

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053482.D
 Acq On : 18 Jan 2019 19:44
 Operator : JC/SP
 Sample : K1199-11MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Jan 19 01:14:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	718296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1101826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1006377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	502164	50.00	ug/l	0.00

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System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	384372	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	7.59	113	336798	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
50) Toluene-d8	10.09	98	1348672	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	479536	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	285388	49.417	ug/l	99
3) Chloromethane	2.06	50	399136	48.339	ug/l	100
4) Vinyl Chloride	2.19	62	384929	48.362	ug/l	99
5) Bromomethane	2.57	94	274569	50.276	ug/l	97
6) Chloroethane	2.71	64	235510	48.941	ug/l	97
7) Trichlorofluoromethane	3.02	101	535192	51.407	ug/l	100
8) Diethyl Ether	3.41	74	215877	55.210	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	333383	50.564	ug/l	99
10) Methyl Iodide	3.96	142	522437	51.852	ug/l	100
11) Tert butyl alcohol	4.78	59	148545	427.590	ug/l	100
12) 1,1-Dichloroethene	3.74	96	330061	51.611	ug/l	99
13) Acrolein	3.61	56	160060	237.378	ug/l	98
14) Allyl chloride	4.33	41	512380	49.326	ug/l	96
15) Acrylonitrile	4.99	53	706320	308.939	ug/l	100
16) Acetone	3.82	43	473788	284.436	ug/l	100
17) Carbon Disulfide	4.06	76	946528	48.944	ug/l	100
18) Methyl Acetate	4.33	43	329742	58.756	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	979674	57.655	ug/l	99
20) Methylene Chloride	4.55	84	386673	50.846	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	360233	52.688	ug/l	94
22) Diisopropyl ether	5.95	45	1162190	53.593	ug/l	99
23) Vinyl Acetate	5.90	43	3738783	280.474	ug/l	99
24) 1,1-Dichloroethane	5.85	63	668996	52.186	ug/l	99
25) 2-Butanone	6.83	43	800334	311.793	ug/l	100
26) 2,2-Dichloropropane	6.83	77	459329	47.456	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	417717	53.428	ug/l	98
28) Bromochloromethane	7.20	49	303426	53.727	ug/l	99
29) Tetrahydrofuran	7.21	42	546938	327.303	ug/l	100
30) Chloroform	7.37	83	665461	53.279	ug/l	99
31) Cyclohexane	7.66	56	607048	48.652	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	556568	52.530	ug/l	100
36) 1,1-Dichloropropene	7.80	75	508940	50.719	ug/l	99
37) Ethyl Acetate	6.93	43	339512	58.809	ug/l	100
38) Carbon Tetrachloride	7.78	117	482977	50.840	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
39) Methylcyclohexane	9.08	83	605794	48.845	ug/l	100	1/21/2019 10:48:38 AM
40) Benzene	8.04	78	1556837	51.056	ug/l	100	
41) Methacrylonitrile	7.19	41	230290m	66.903	ug/l		
42) 1,2-Dichloroethane	8.13	62	470435	52.956	ug/l	99	
43) Isopropyl Acetate	8.17	43	609384	58.703	ug/l	100	
44) Trichloroethene	8.84	130	428768	50.705	ug/l	99	
45) 1,2-Dichloropropane	9.12	63	415796	51.481	ug/l	99	
46) Dibromomethane	9.21	93	247711	53.382	ug/l	99	
47) Bromodichloromethane	9.40	83	514831	52.757	ug/l	100	
48) Methyl methacrylate	9.20	41	314163	58.614	ug/l	98	
49) 1,4-Dioxane	9.20	88	91875	1755.169	ug/l	94	
51) 4-Methyl-2-Pentanone	9.99	43	1790984	316.049	ug/l	100	
52) Toluene	10.16	92	967582	51.112	ug/l	100	
53) t-1,3-Dichloropropene	10.38	75	530703	53.654	ug/l	100	
54) cis-1,3-Dichloropropene	9.84	75	603109	52.014	ug/l	99	
55) 1,1,2-Trichloroethane	10.56	97	360345	55.212	ug/l	100	
56) Ethyl methacrylate	10.43	69	497966	53.607	ug/l	99	
57) 1,3-Dichloropropane	10.71	76	616286	54.585	ug/l	100	
59) 2-Hexanone	10.75	43	1247705	313.649	ug/l	100	
60) Dibromochloromethane	10.90	129	406609	54.928	ug/l	100	
61) 1,2-Dibromoethane	11.01	107	369311	55.950	ug/l	100	
64) Tetrachloroethene	10.63	164	450923	47.546	ug/l	99	
65) Chlorobenzene	11.44	112	1081950	50.792	ug/l	98	
66) 1,1,1,2-Tetrachloroethane	11.51	131	388567	52.434	ug/l	99	
67) Ethyl Benzene	11.51	91	1867331	51.437	ug/l	100	
68) m/p-Xylenes	11.62	106	1429206	104.272	ug/l	100	
69) o-Xylene	11.95	106	698985	52.482	ug/l	99	
70) Stvrene	11.96	104	1157464	53.548	ug/l	100	
71) Bromoform	12.13	173	295346	57.891	ug/l	99	
73) Isopropylbenzene	12.25	105	1847619	50.243	ug/l	100	
74) N-amyl acetate	12.07	43	560962	57.223	ug/l	99	
75) 1,1,2,2-Tetrachloroethane	12.50	83	438461	56.851	ug/l	99	
76) 1,2,3-Trichloropropane	12.55	75	394246m	59.576	ug/l		
77) Bromobenzene	12.53	156	491527	50.725	ug/l	98	
78) n-propylbenzene	12.59	91	2126726	50.382	ug/l	100	
79) 2-Chlorotoluene	12.68	91	1253598	50.102	ug/l	99	
80) 1,3,5-Trimethylbenzene	12.73	105	1525662	50.991	ug/l	100	
81) trans-1,4-Dichloro-2-buten	12.30	75	135738	51.814	ug/l	99	
82) 4-Chlorotoluene	12.77	91	1285695	50.388	ug/l	99	
83) tert-Butylbenzene	12.99	119	1350175	51.092	ug/l	100	
84) 1,2,4-Trimethylbenzene	13.04	105	1567494	51.958	ug/l	100	
85) sec-Butylbenzene	13.17	105	1833256	50.584	ug/l	100	
86) p-Isopropyltoluene	13.29	119	1601922	50.906	ug/l	100	
87) 1,3-Dichlorobenzene	13.28	146	873045	51.220	ug/l	100	
88) 1,4-Dichlorobenzene	13.36	146	867467	50.736	ug/l	99	
89) n-Butylbenzene	13.62	91	1350033	50.330	ug/l	100	
90) Hexachloroethane	13.88	117	259944	52.670	ug/l	97	
91) 1,2-Dichlorobenzene	13.65	146	852956	54.393	ug/l	100	
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69780	71.356	ug/l	99	
93) 1,2,4-Trichlorobenzene	14.91	180	415717	59.525	ug/l	99	

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Manual Integrations
APPROVED

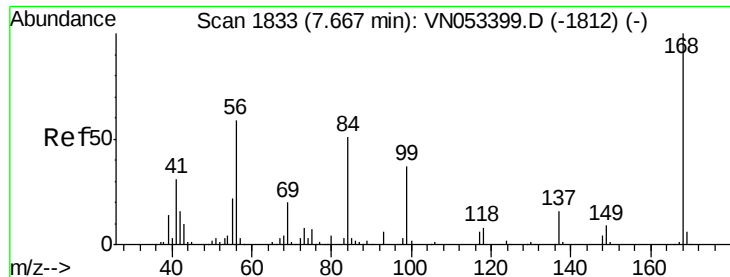
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	257968	52.735	ug/l	99
95) Naphthalene	15.13	128	822032	66.320	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333574	64.646	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tot Ion: 168 Resp: 718296

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7

Instrument :

MSVOA_N

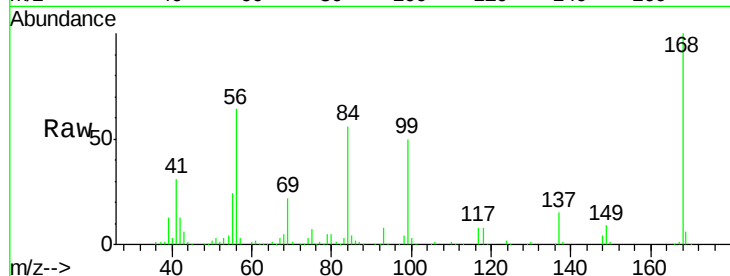
ClientSampleId :

SA-TW521-2327MSD

Manual Integrations

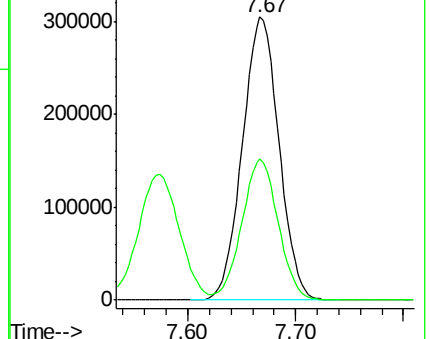
APPROVED

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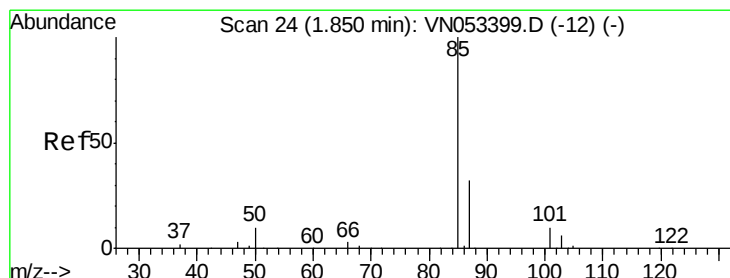
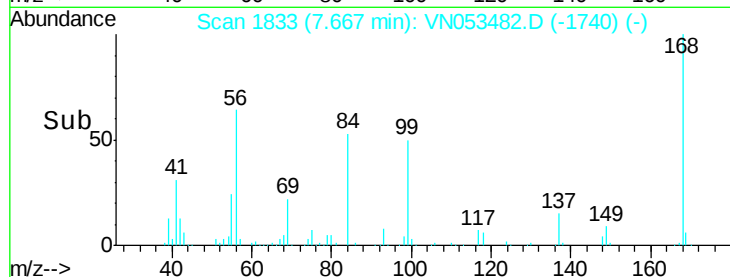


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



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#2

Dichlorodifluoromethane

Concen: 49.417 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053482.D

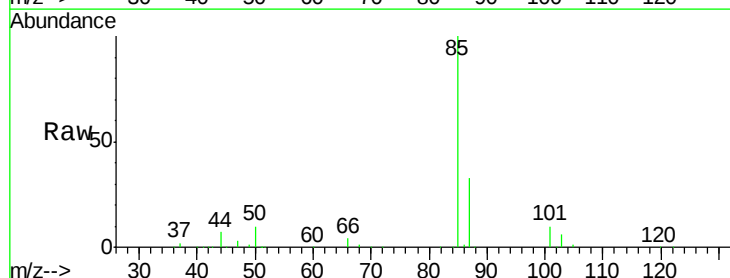
Acq: 18 Jan 2019 19:44

Tgt Ion: 85 Resp: 285388

Ion Ratio Lower Upper

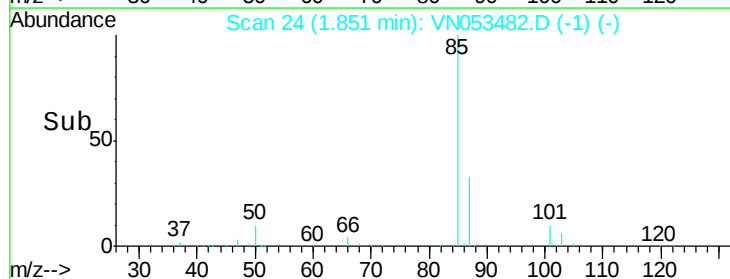
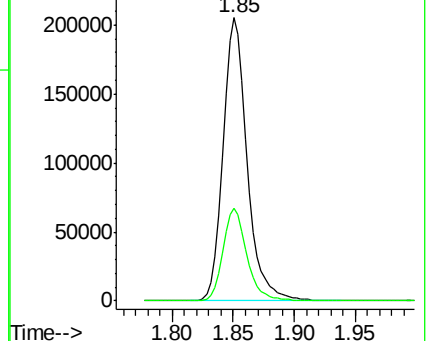
85 100

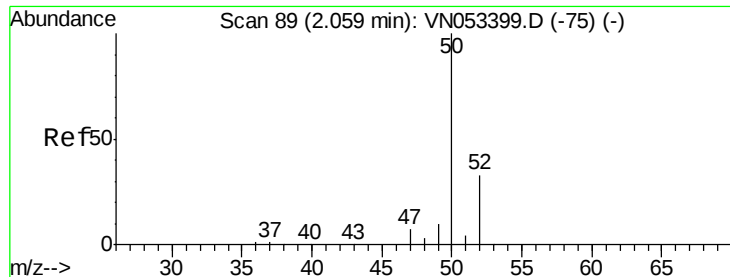
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 48.339 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 50 Resp: 399136

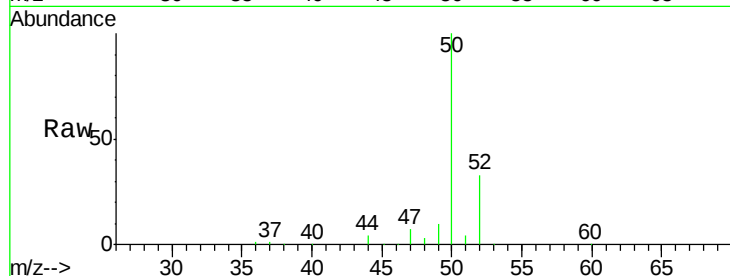
Ion Ratio Lower Upper

50 100

52 33.2 26.6 40.0

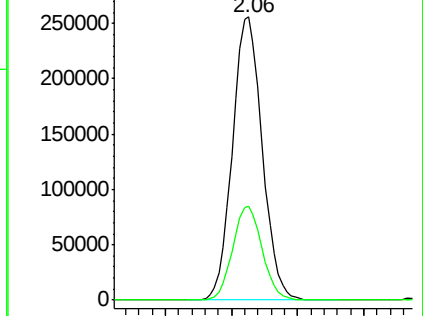
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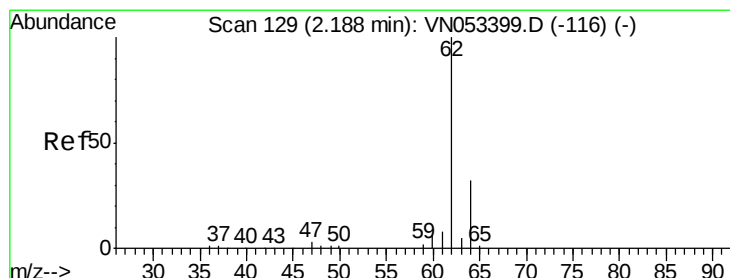
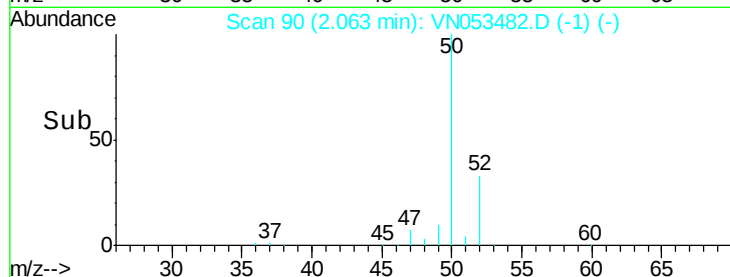


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



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#4

Vinyl Chloride

Concen: 48.362 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053482.D

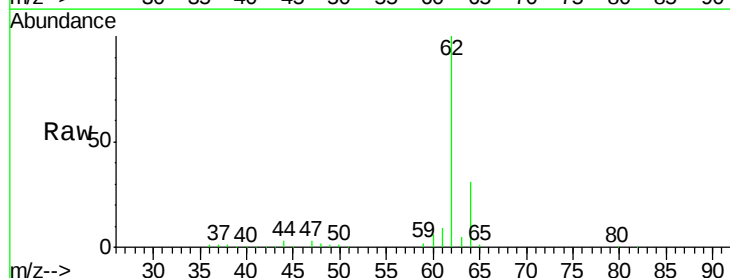
Acq: 18 Jan 2019 19:44

Tgt Ion: 62 Resp: 384929

Ion Ratio Lower Upper

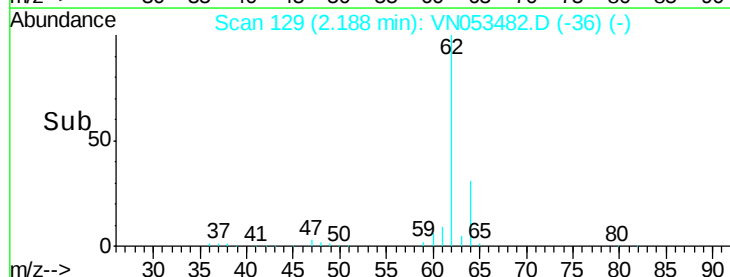
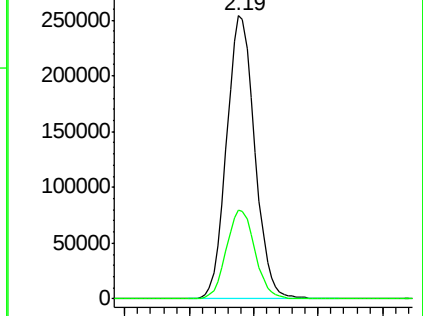
62 100

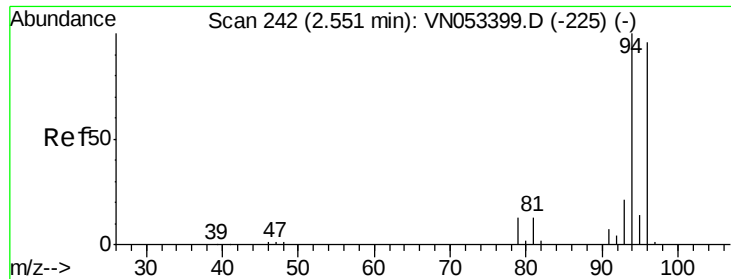
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.276 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 94 Resp: 274569

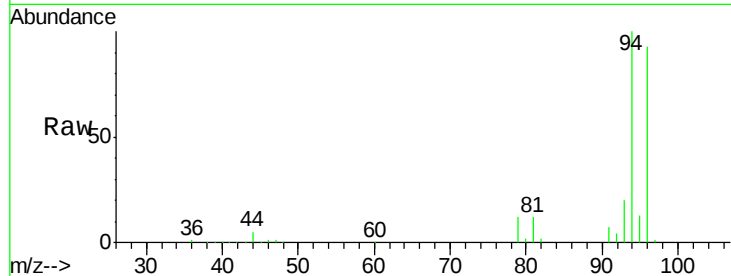
Ion Ratio Lower Upper

94 100

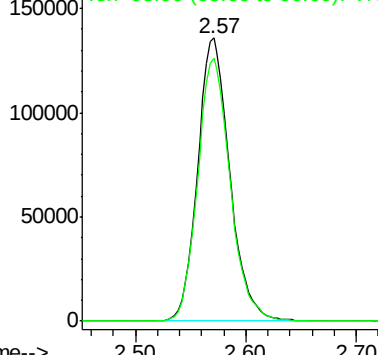
96 92.9 76.8 115.2

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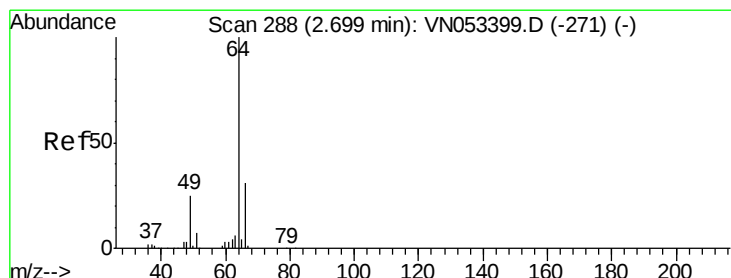
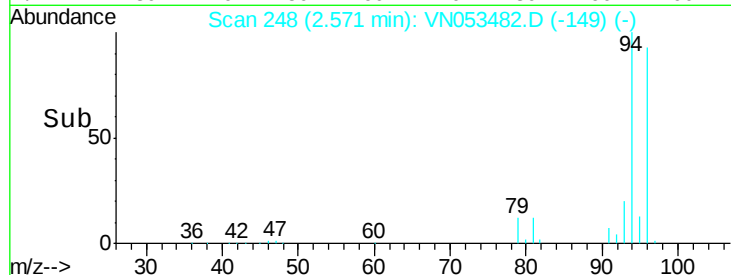
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



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#6

Chloroethane

Concen: 48.941 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053482.D

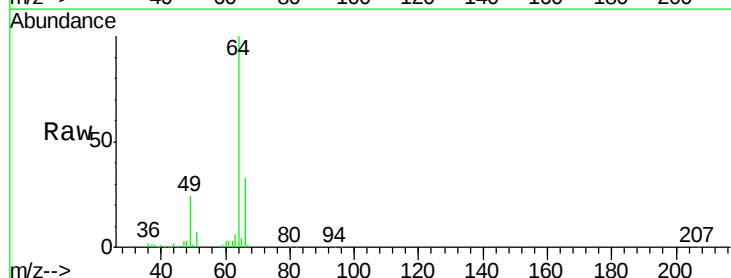
Acq: 18 Jan 2019 19:44

Tgt Ion: 64 Resp: 235510

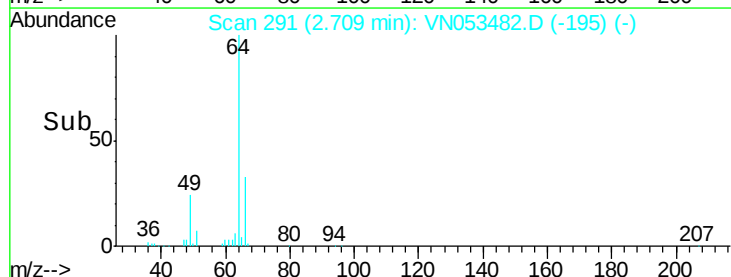
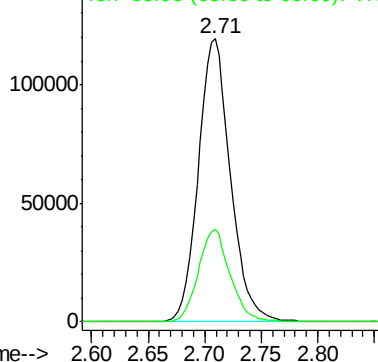
Ion Ratio Lower Upper

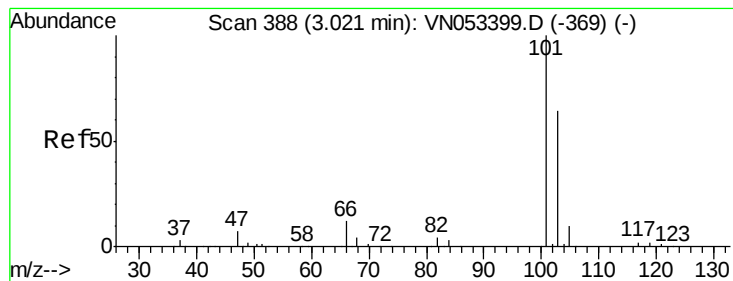
64 100

66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

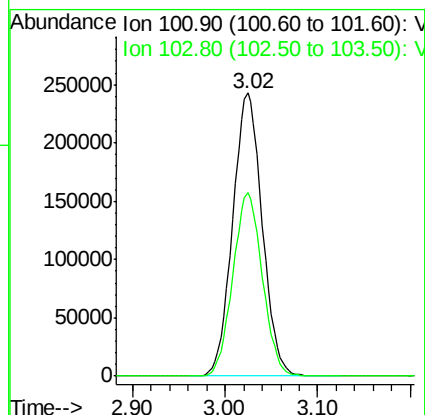
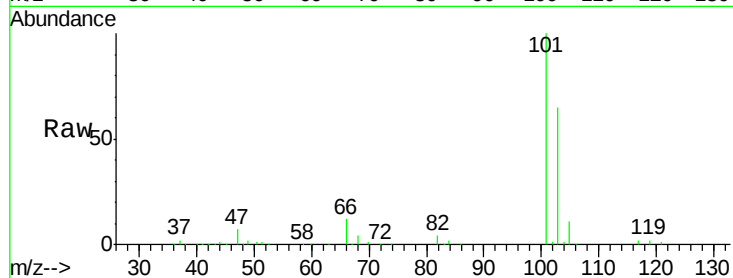
Trichlorofluoromethane
Concen: 51.407 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

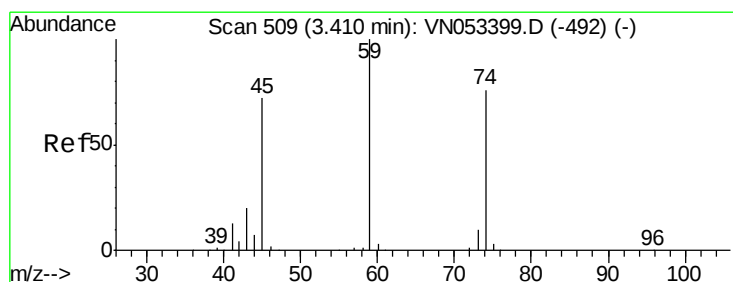
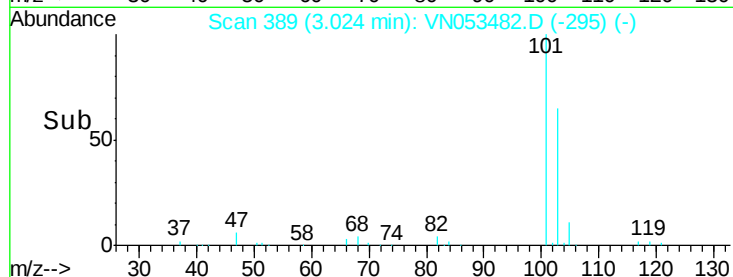
Tot Ion:101 Resp: 535192
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4

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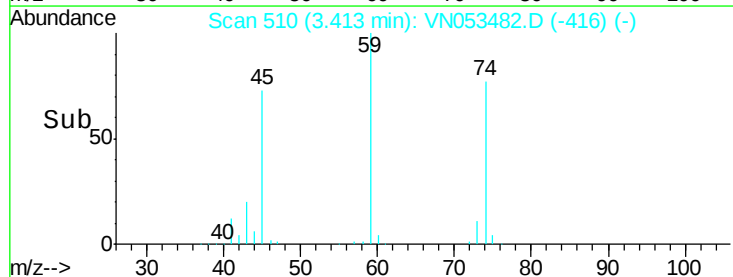
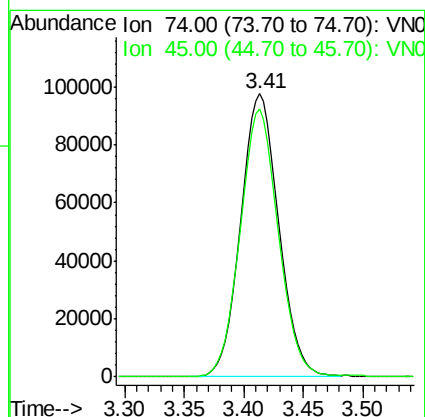
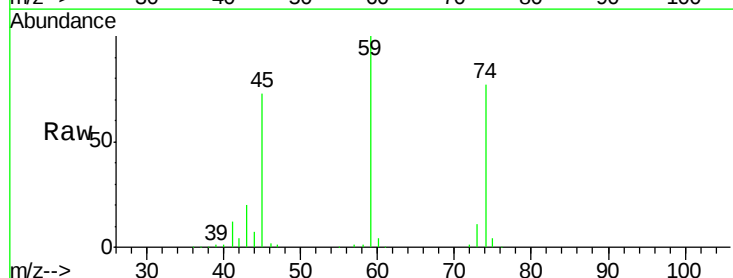
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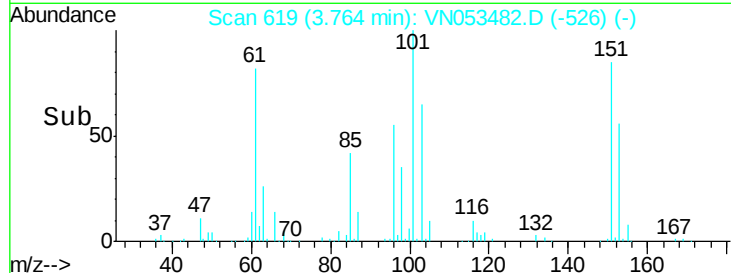
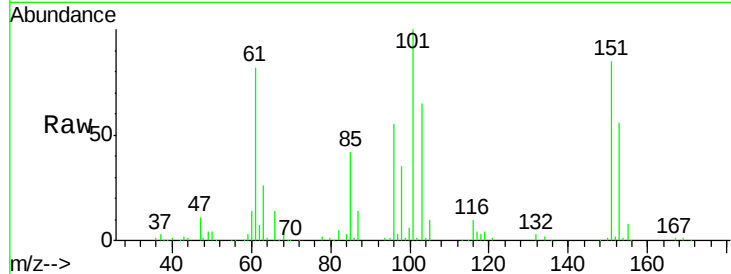
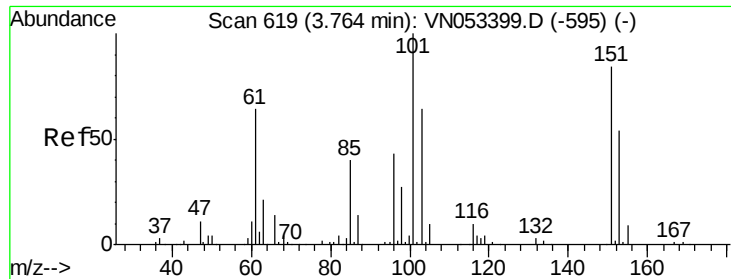


#8

Diethyl Ether
Concen: 55.210 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 74 Resp: 215877
Ion Ratio Lower Upper
74 100
45 95.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.564 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053482.D

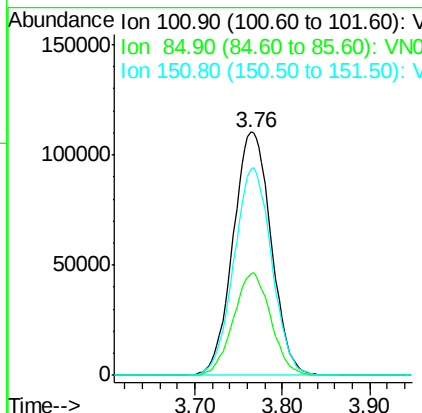
Acq: 18 Jan 2019 19:44

Tot Ion	Ratio	Resp	Lower	Upper
101	100	333383		
85	41.4	32.8	49.2	
151	84.6	66.9	100.3	

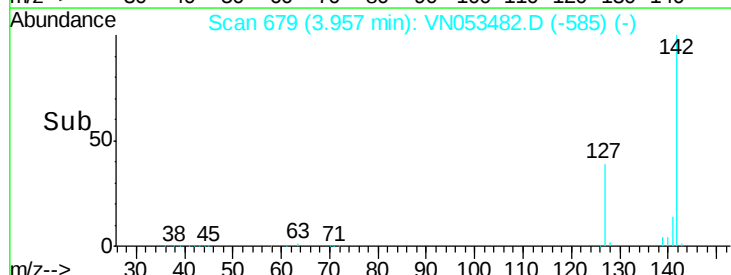
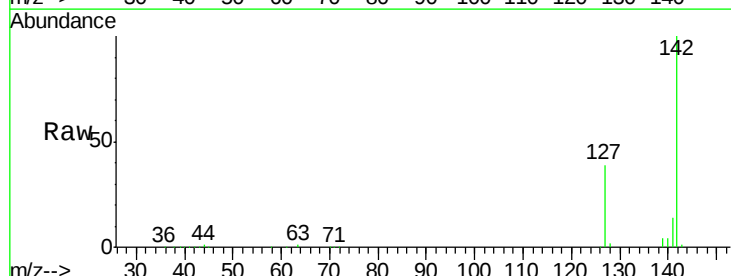
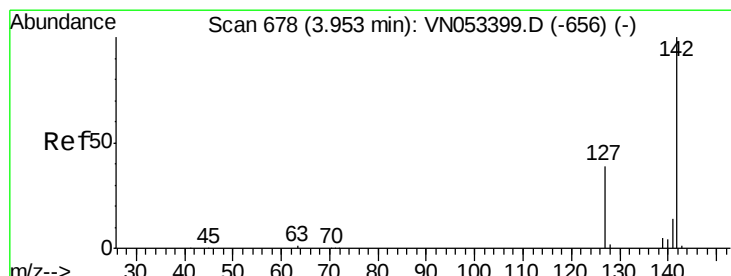
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

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#10

Methyl Iodide

Concen: 51.852 ug/l

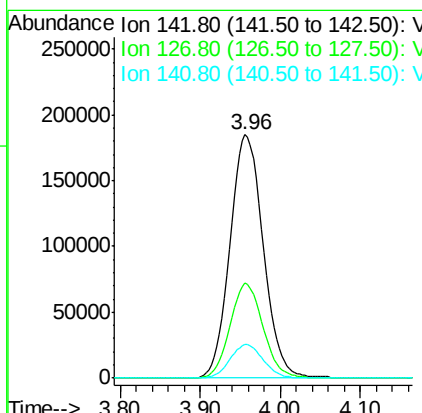
RT: 3.96 min Scan# 679

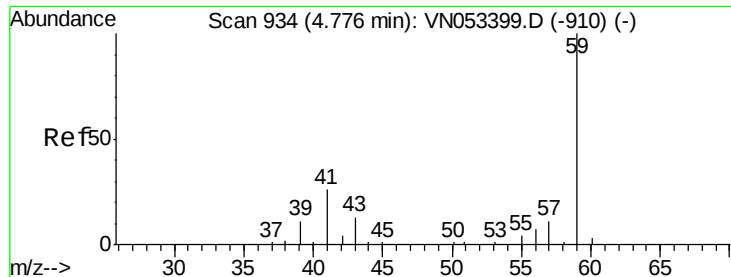
Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	522437		
127	38.6	31.0	46.4	
141	13.9	11.1	16.7	





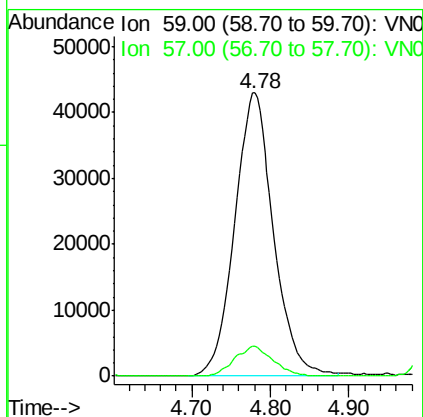
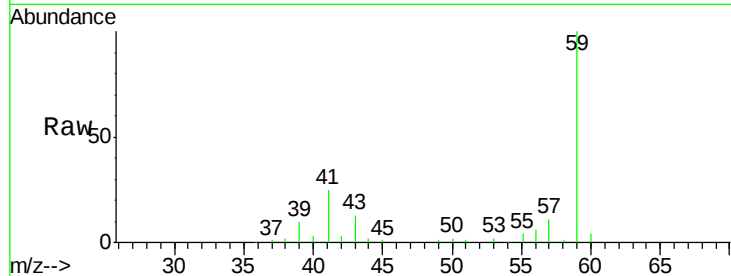
#11
Tert butyl alcohol
Concen: 427.590 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

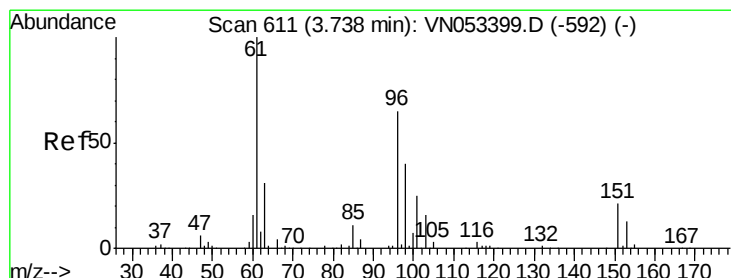
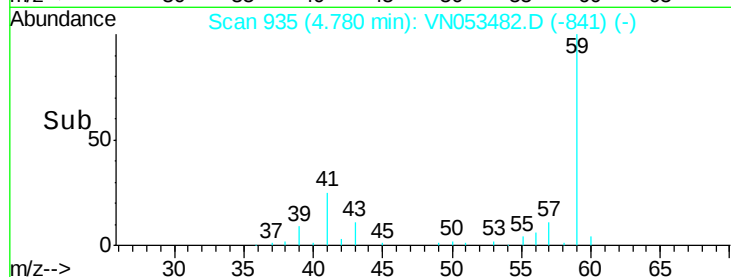
Tot Ion: 59 Resp: 148545
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

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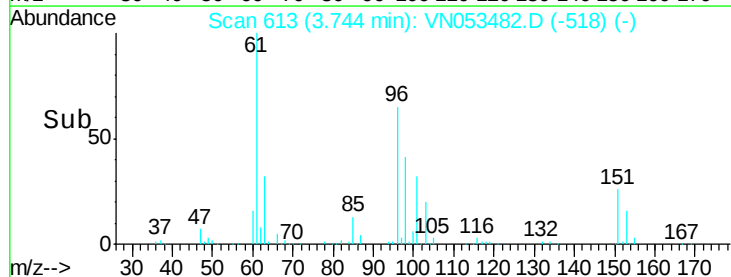
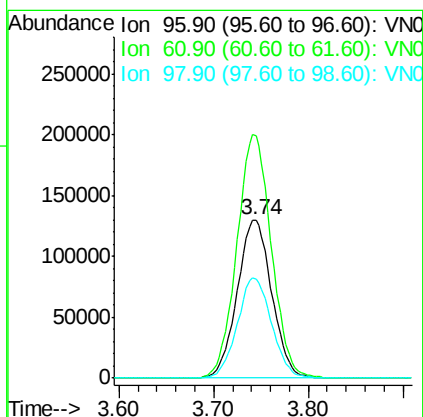
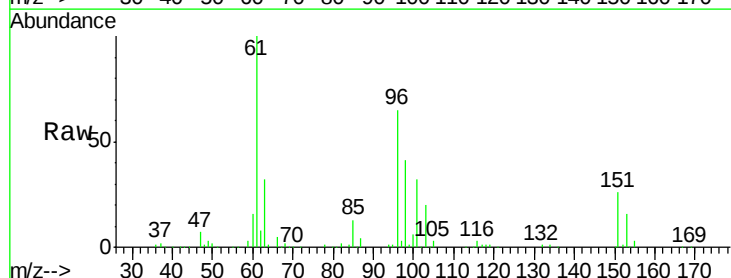


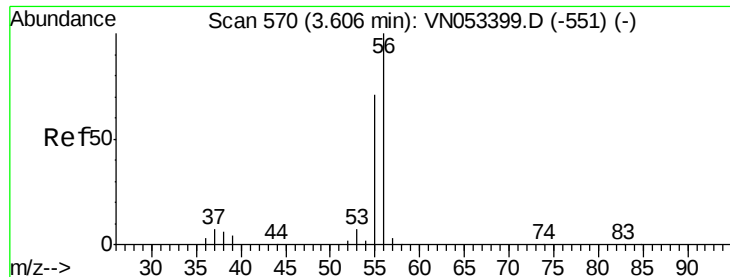
1/21/2019 10:48:38 AM



#12
1,1-Dichloroethene
Concen: 51.611 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 96 Resp: 330061
Ion Ratio Lower Upper
96 100
61 153.3 122.9 184.3
98 62.8 49.4 74.0





#13

Acrolein

Concen: 237.378 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 56 Resp: 160060

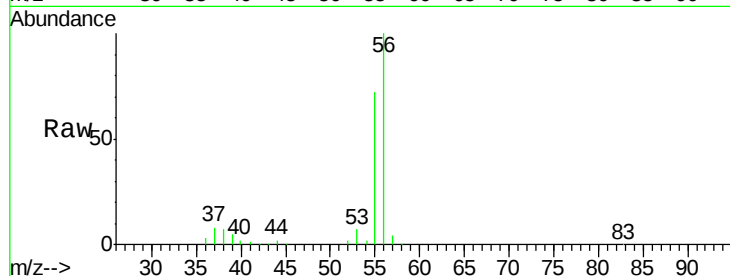
Ion Ratio Lower Upper

56 100

55 70.1 57.4 86.0

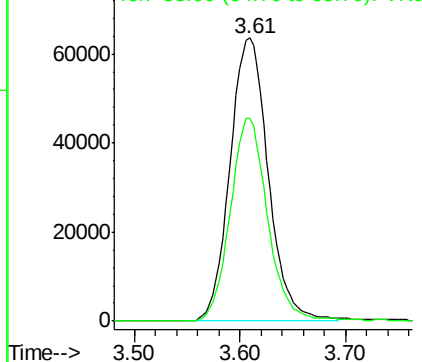
Manual Integrations
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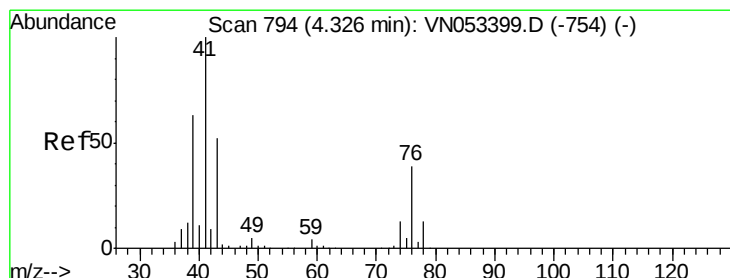
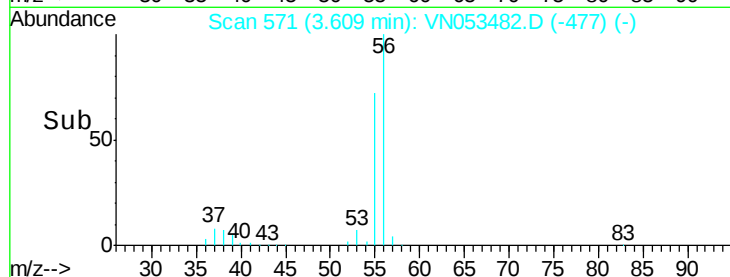


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



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#14

Allyl chloride

Concen: 49.326 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

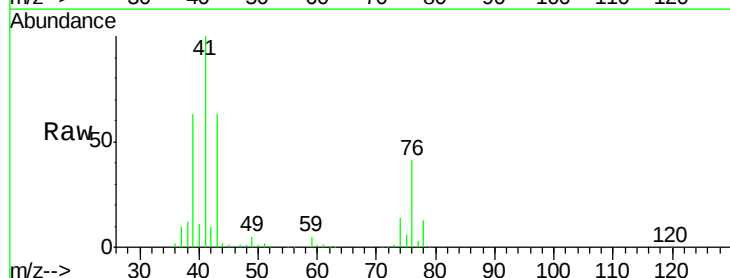
Tgt Ion: 41 Resp: 512380

Ion Ratio Lower Upper

41 100

39 64.5 48.9 73.3

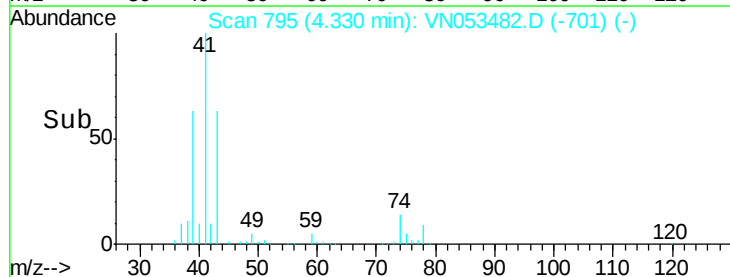
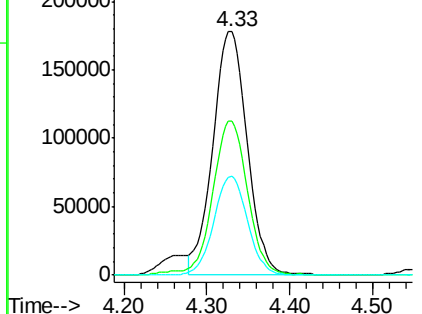
76 39.4 29.4 44.2

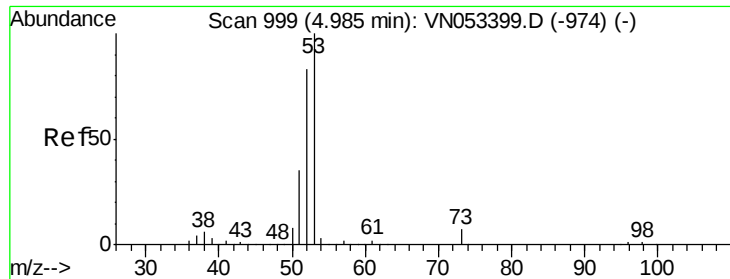


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 308.939 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

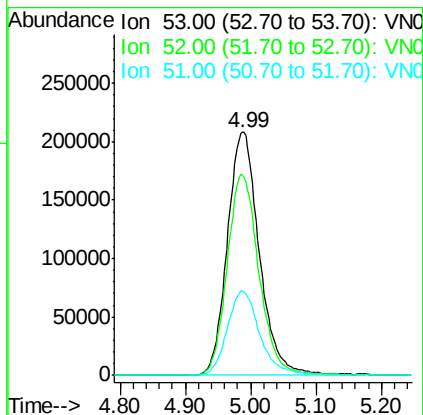
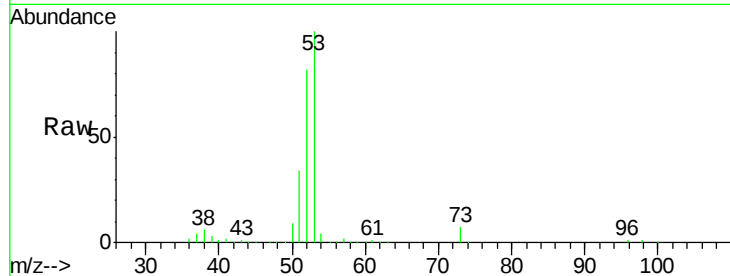
ClientSampleId :

SA-TW521-2327MSD

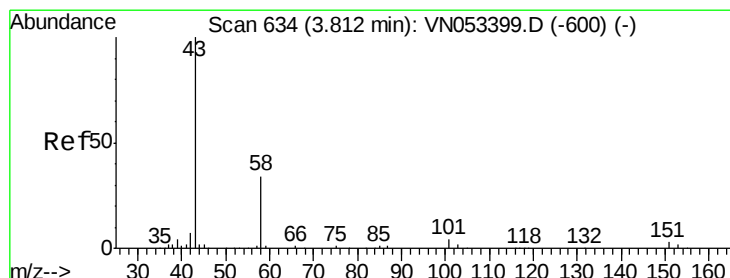
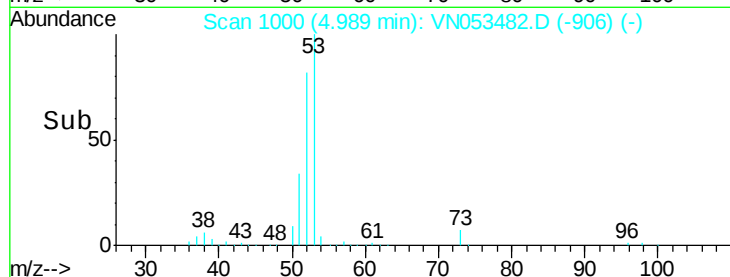
Tot Ion:	53	Resp:	706320
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 284.436 ug/l

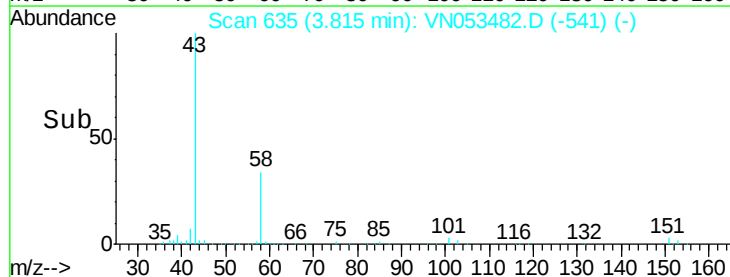
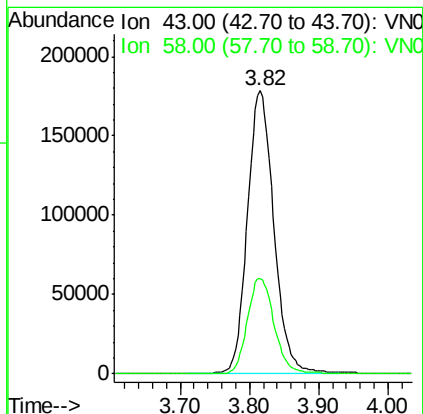
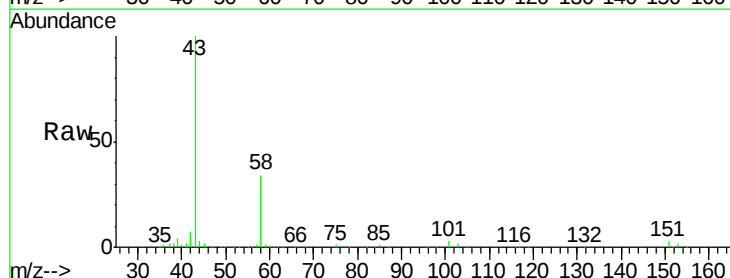
RT: 3.82 min Scan# 635

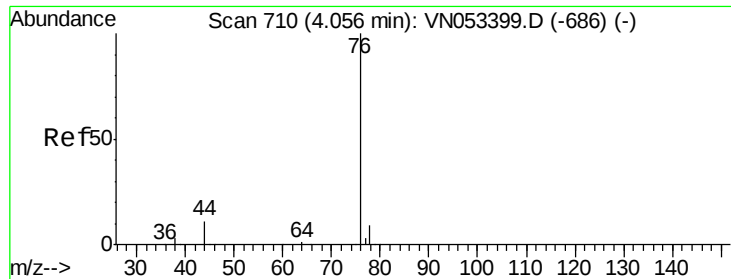
Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tgt Ion:	43	Resp:	473788
Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.1	40.7





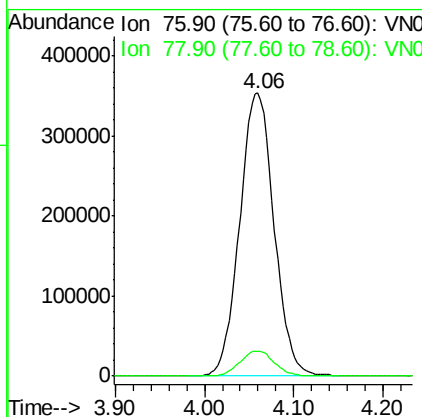
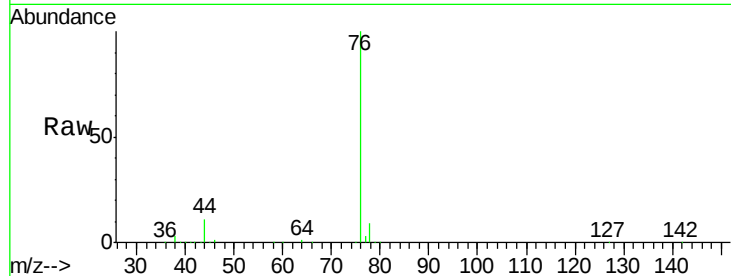
#17
Carbon Disulfide
Concen: 48.944 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

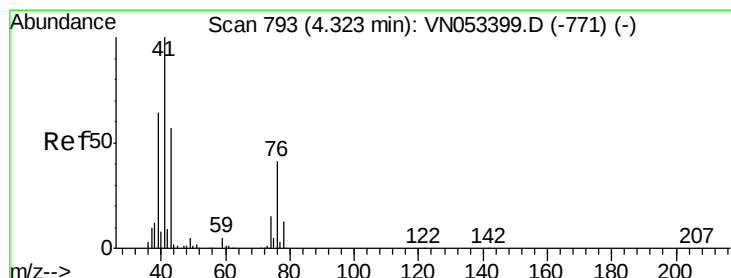
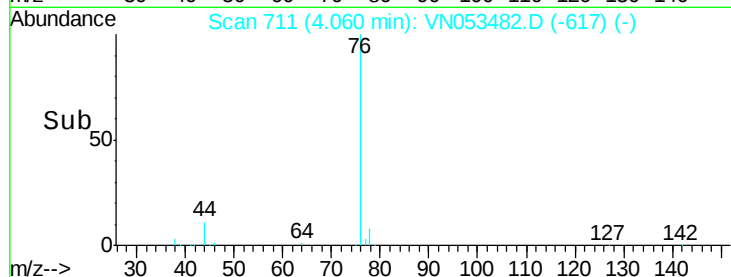
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

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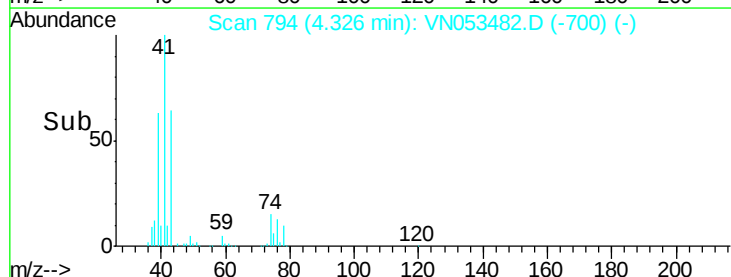
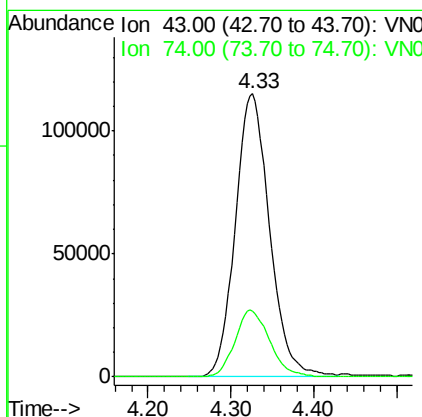
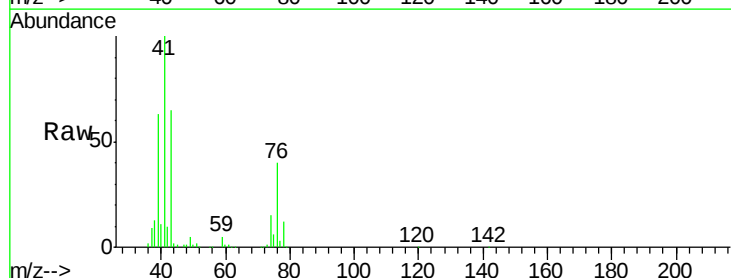


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#18
Methyl Acetate
Concen: 58.756 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.2





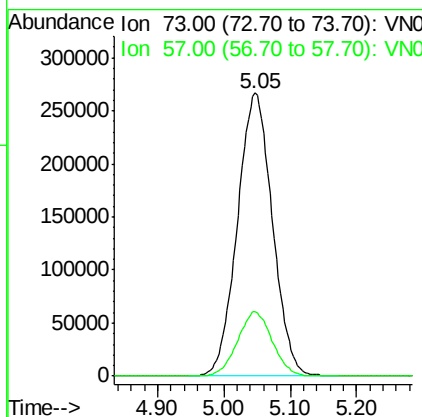
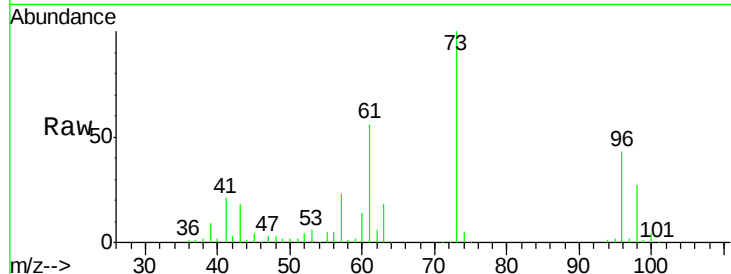
#19
Methvl tert-butvl Ether
Concen: 57.655 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

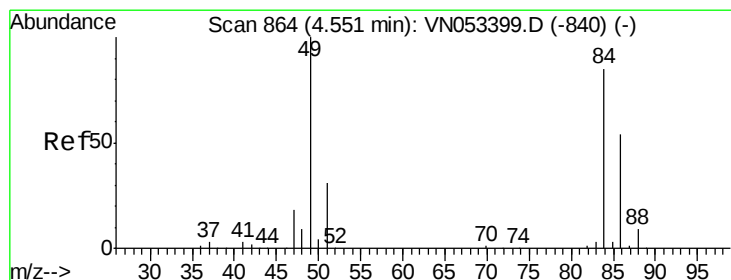
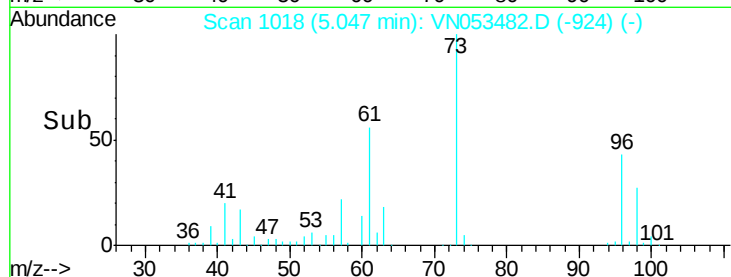
Tot Ion: 73 Resp: 979674
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

Manual Integrations
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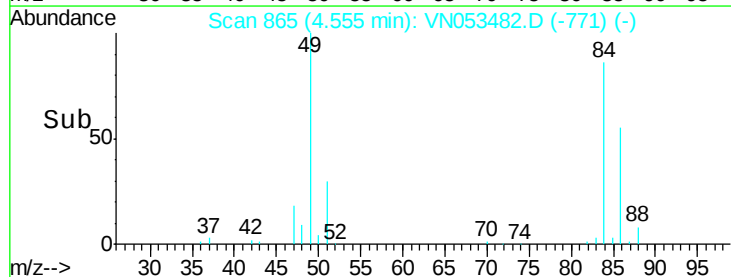
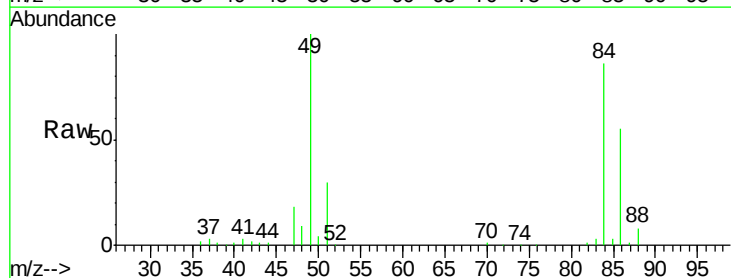
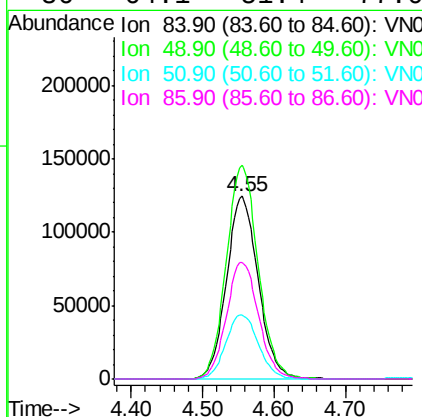


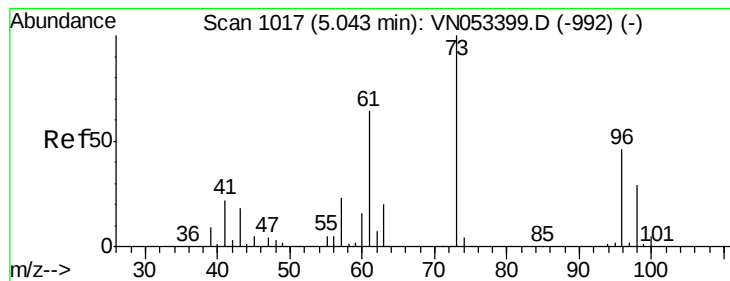
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#20
Methylene Chloride
Concen: 50.846 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 84 Resp: 386673
Ion Ratio Lower Upper
84 100
49 116.8 94.3 141.5
51 35.0 29.4 44.2
86 64.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 52.688 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053482.D

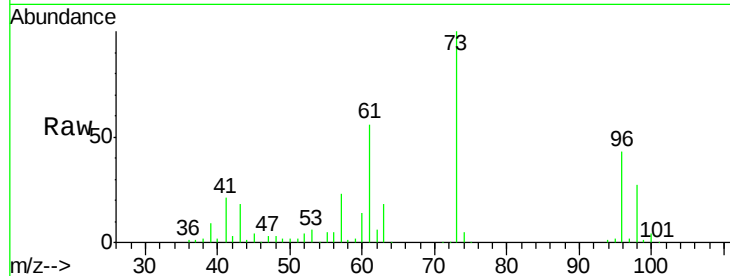
Acq: 18 Jan 2019 19:44

Tot Ion:	96	Resp:	360233
Ion	Ratio	Lower	Upper
96	100		
61	128.0	110.1	165.1
98	61.3	50.0	75.0

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

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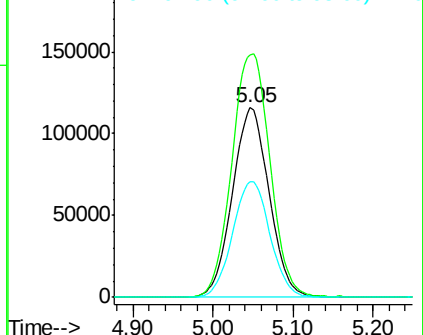


Abundance

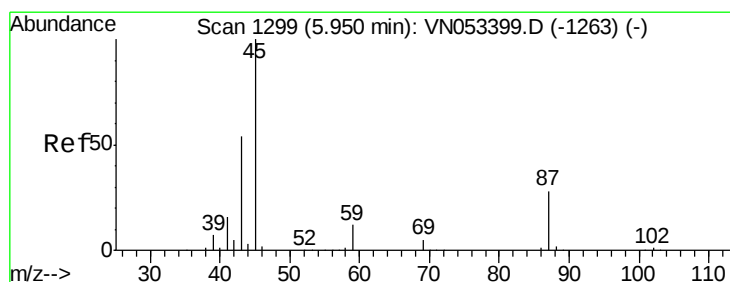
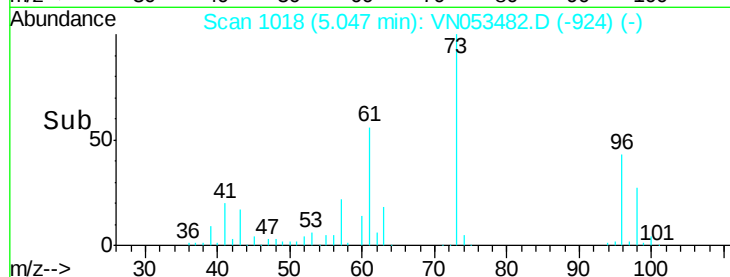
Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



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#22

Diisopropyl ether

Concen: 53.593 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tgt Ion:	45	Resp:	1162190
Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.2	66.4
87	28.3	22.7	34.1
59	11.7	9.4	14.2

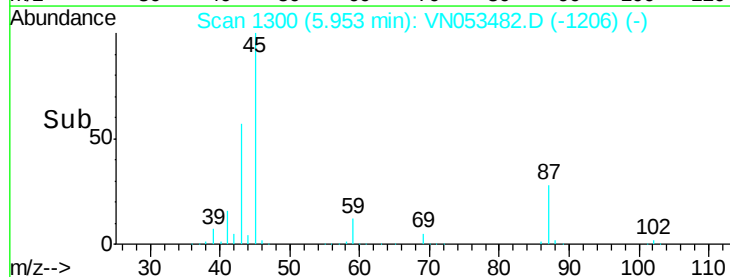
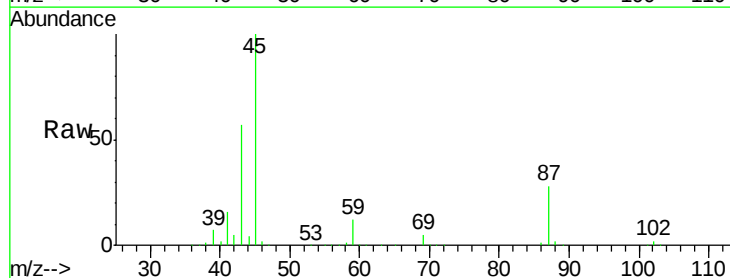
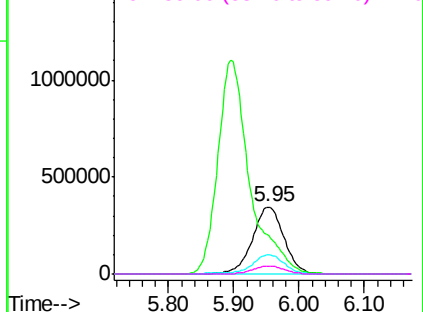
Abundance

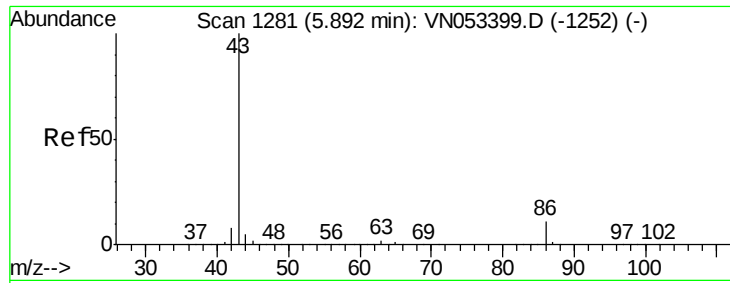
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 280.474 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tot Ion: 43 Resp: 3738783

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6

Instrument :

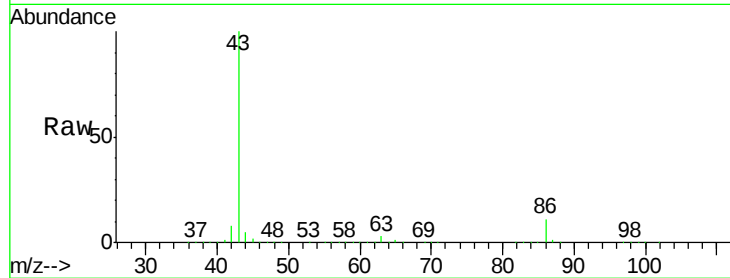
MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

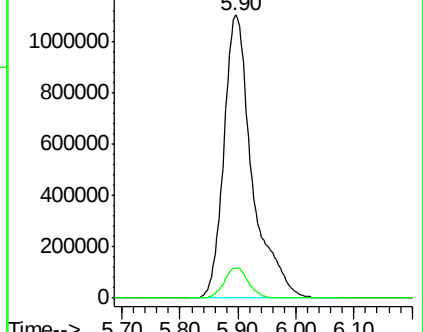
Manual Integrations
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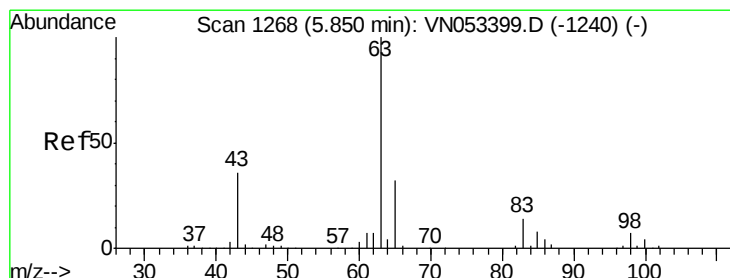
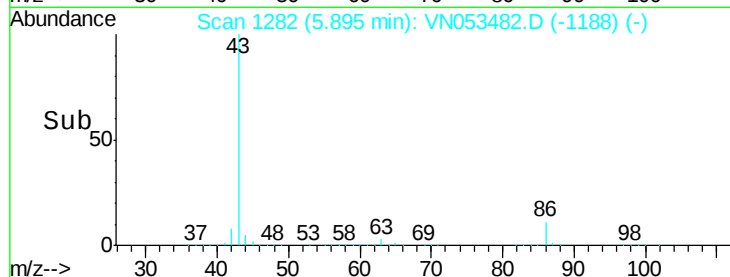


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN053399.D (-1252) (-)



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#24

1,1-Dichloroethane

Concen: 52.186 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

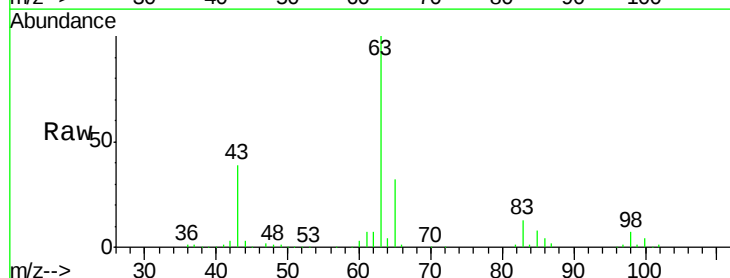
Tgt Ion: 63 Resp: 668996

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

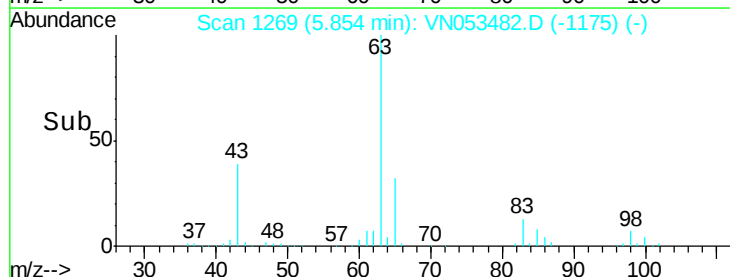
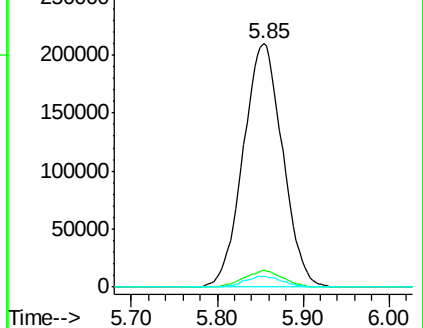
100 4.5 2.1 6.5

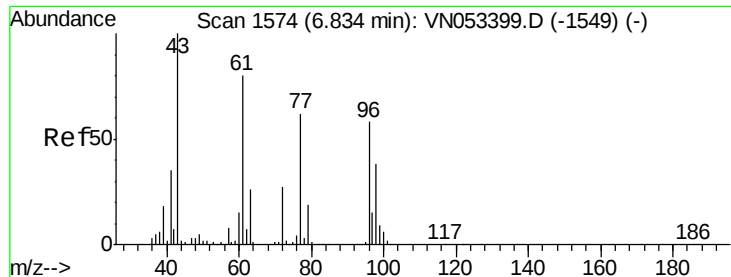


Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN053399.D (-1240) (-)





#25

2-Butanone

Concen: 311.793 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 43 Resp: 800334

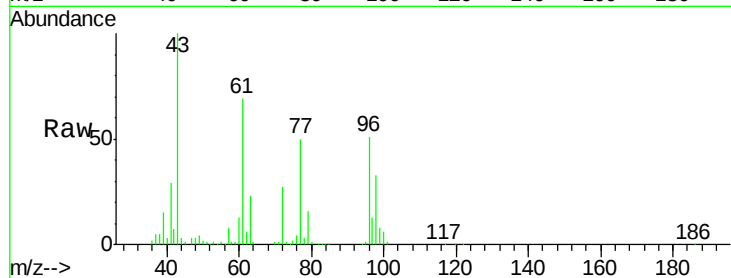
Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1549) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1549) (-)

6.83

300000

250000

200000

150000

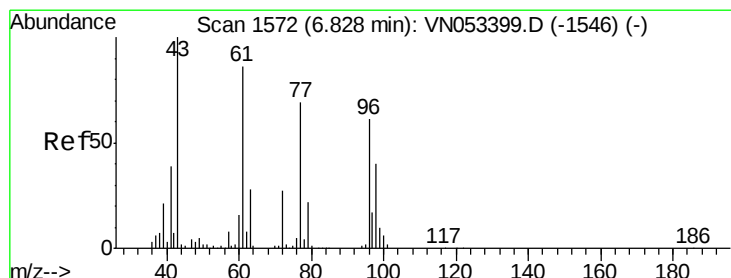
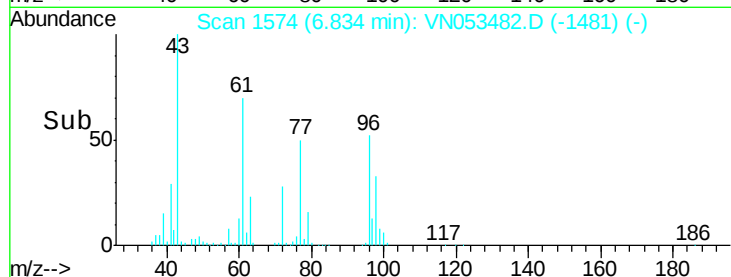
100000

50000

0

Time--> 6.70 6.80 6.90

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#26

2,2-Dichloropropane

Concen: 47.456 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053482.D

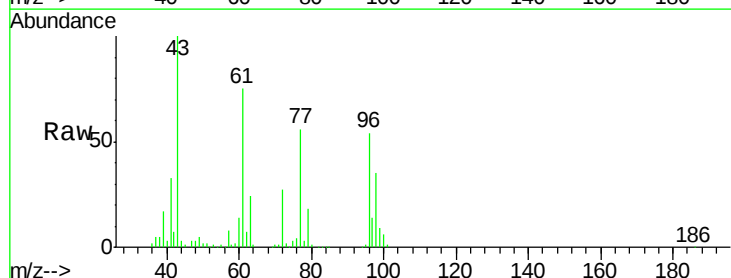
Acq: 18 Jan 2019 19:44

Tgt Ion: 77 Resp: 459329

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN053399.D (-1546) (-)

Ion 96.90 (96.60 to 97.60): VN053399.D (-1546) (-)

6.83

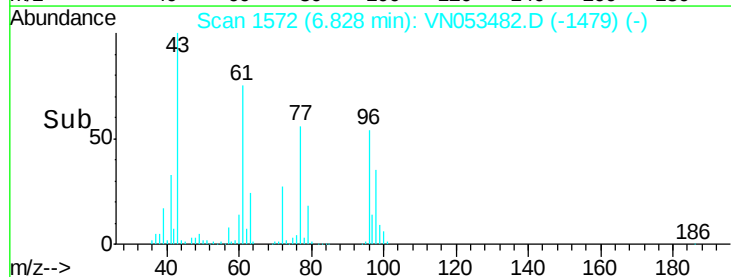
150000

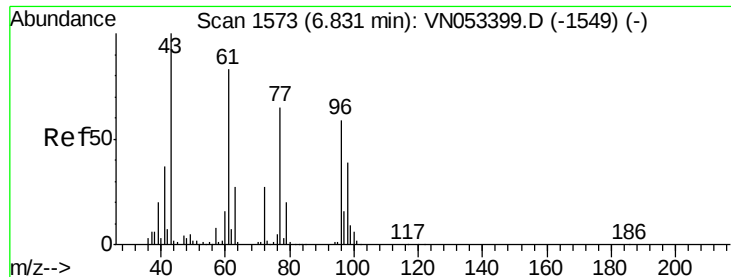
100000

50000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 53.428 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053482.D

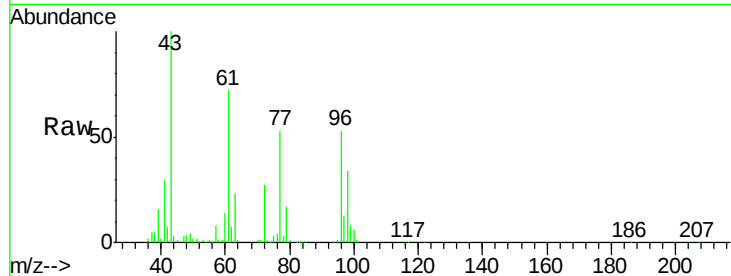
Acq: 18 Jan 2019 19:44

Tot Ion:	96	Resp:	417717
Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	283.8
98	64.3	0.0	129.2

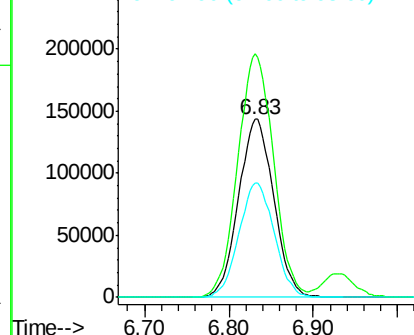
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

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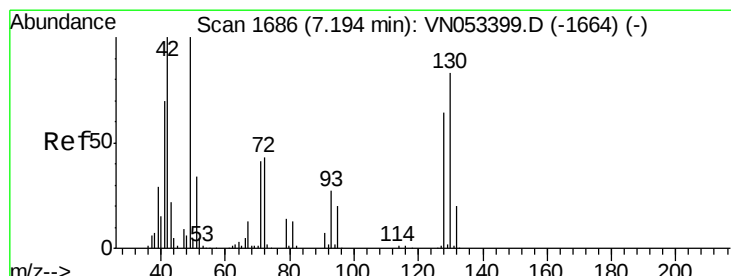
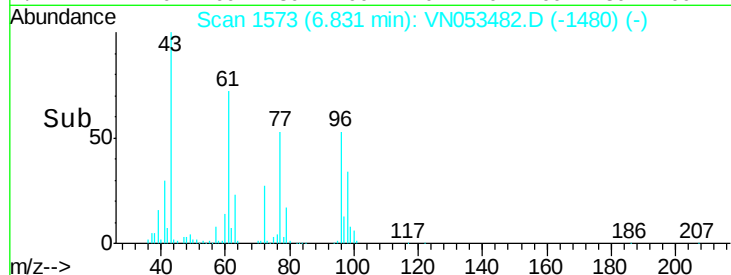
MMDadoda



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



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#28

Bromochloromethane

Concen: 53.727 ug/l

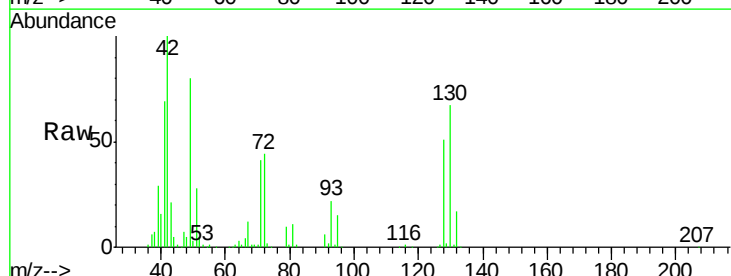
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

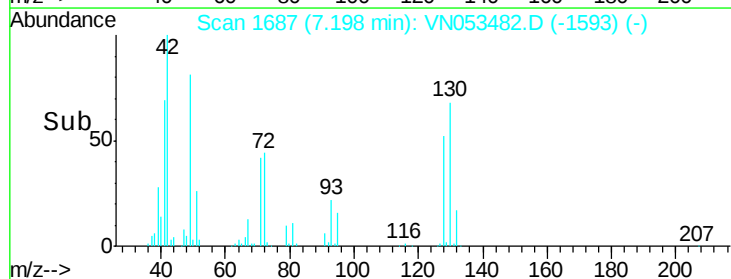
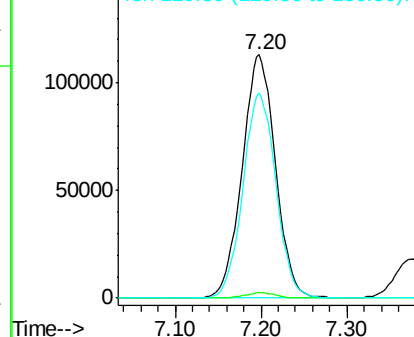
Lab File: VN053482.D

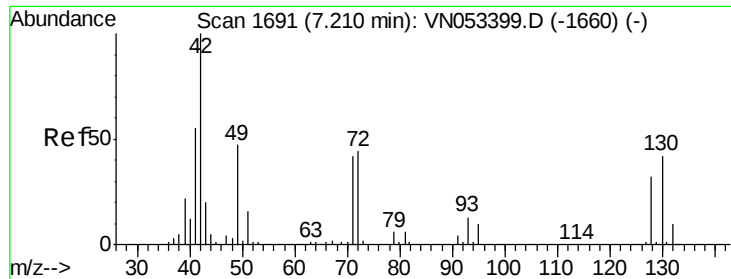
Acq: 18 Jan 2019 19:44

Tgt Ion:	49	Resp:	303426
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.7	66.3	99.5



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





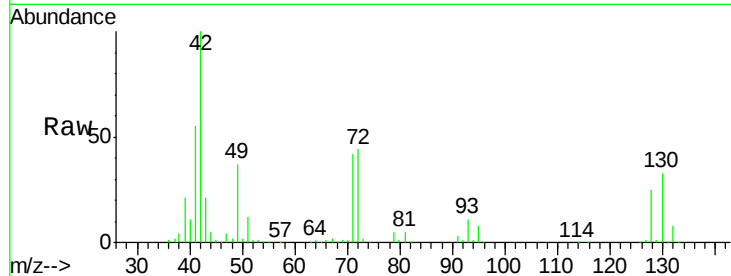
#29
Tetrahydrofuran
Concen: 327.303 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.2	52.8
71	41.6	33.0	49.4

Manual Integrations
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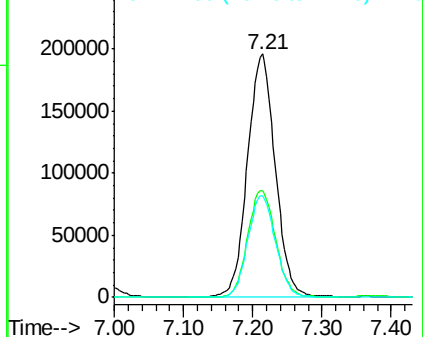


Abundance

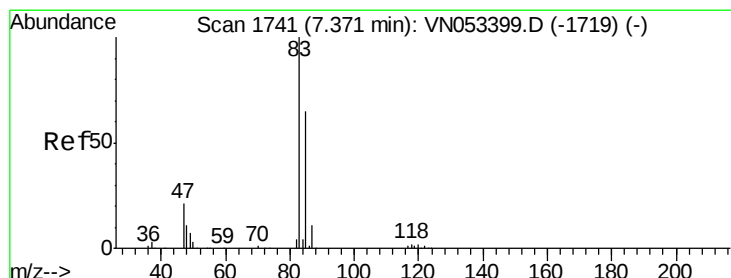
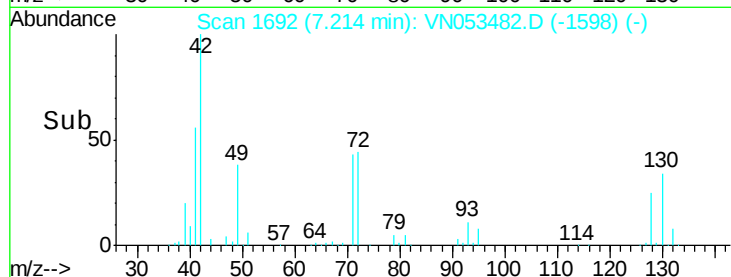
Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC

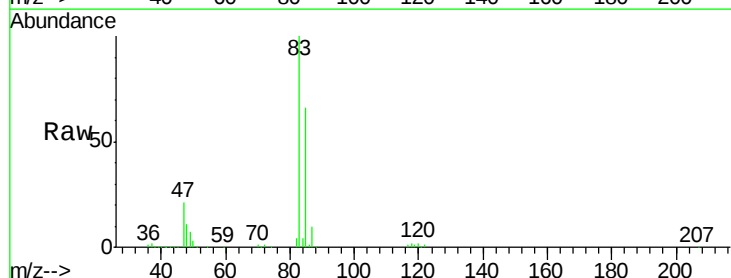


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#30
Chloroform
Concen: 53.279 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

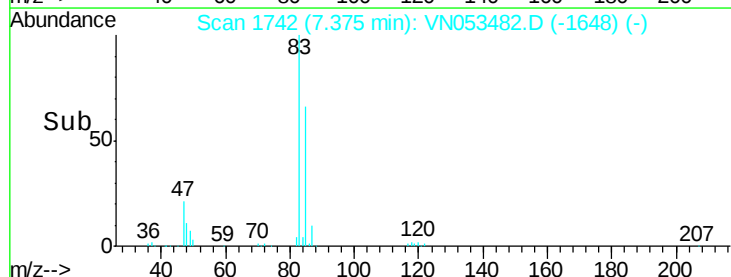
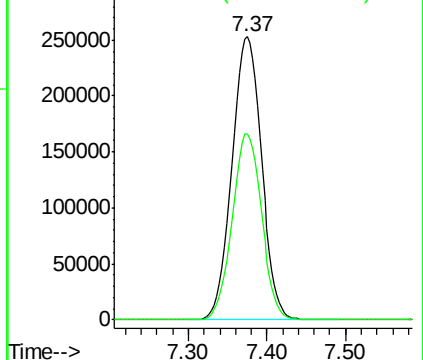
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.2

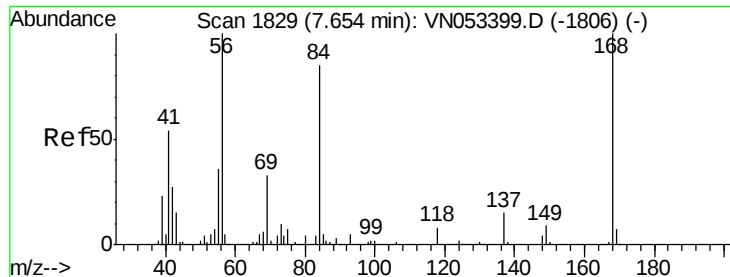


Abundance

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC





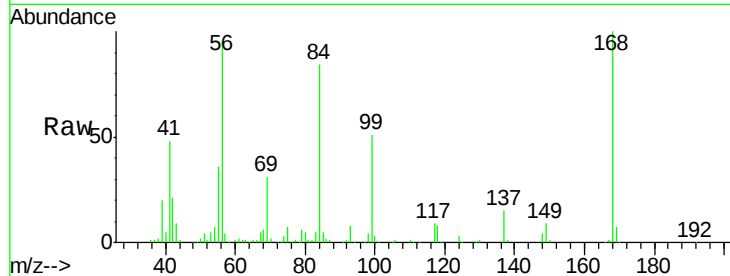
#31
Cyclohexane
Concen: 48.652 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

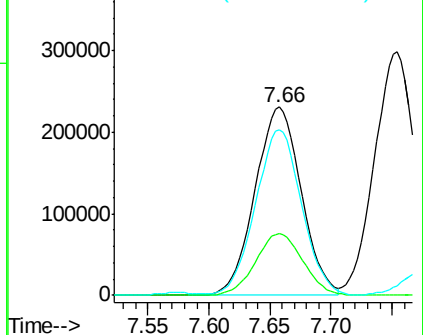
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.4	39.6
84	86.9	67.9	101.9

Manual Integrations
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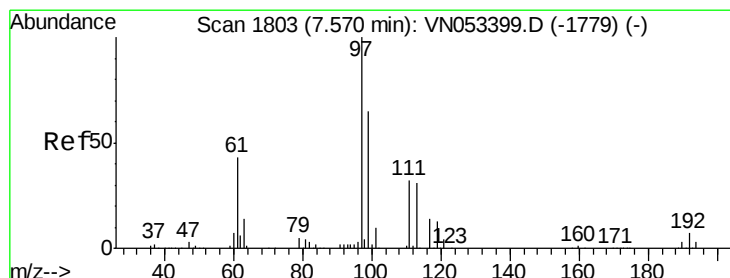
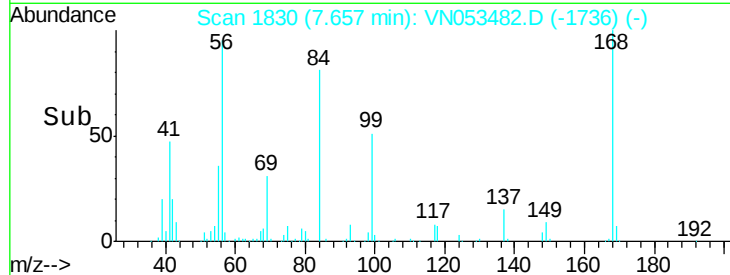
MMDadoda



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

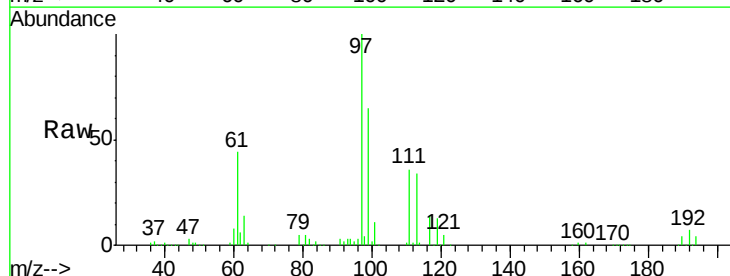


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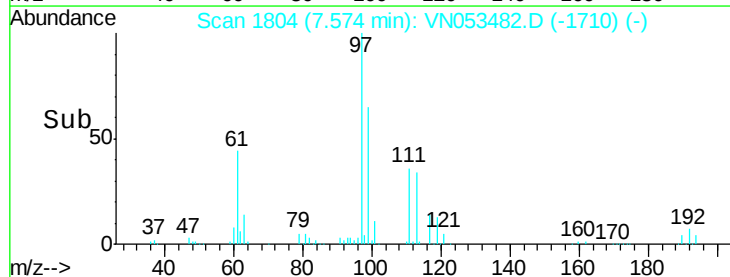
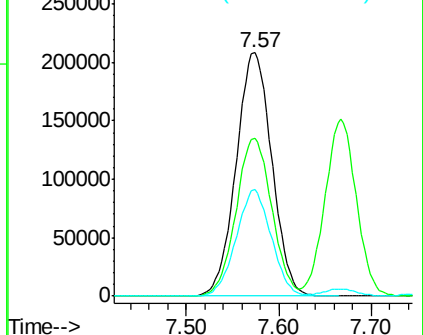


#32
1,1,1-Trichloroethane
Concen: 52.530 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	43.0	34.4	51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





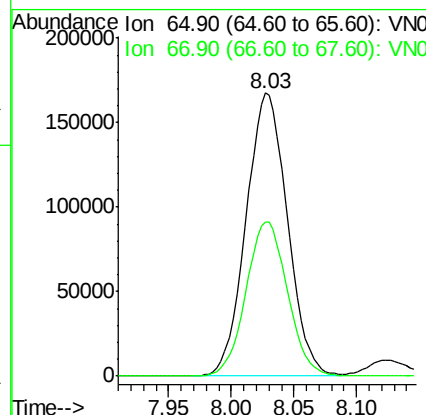
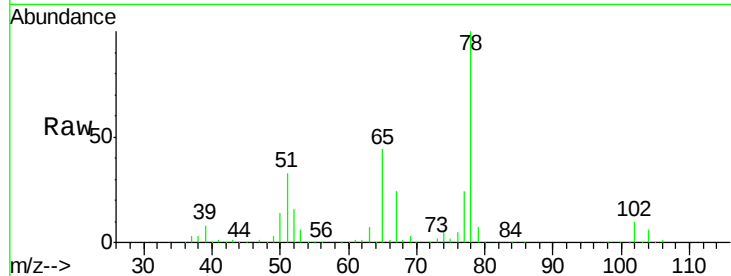
#33
 1,2-Dichloroethane-d4
 Concen: 52.530 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

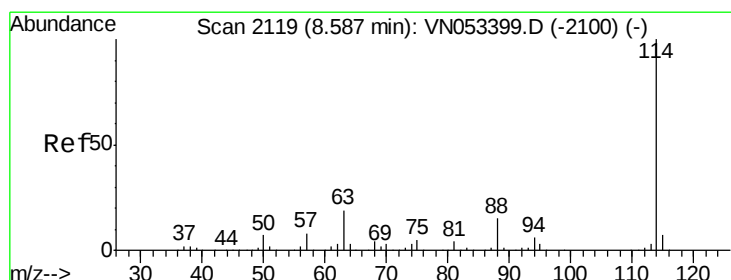
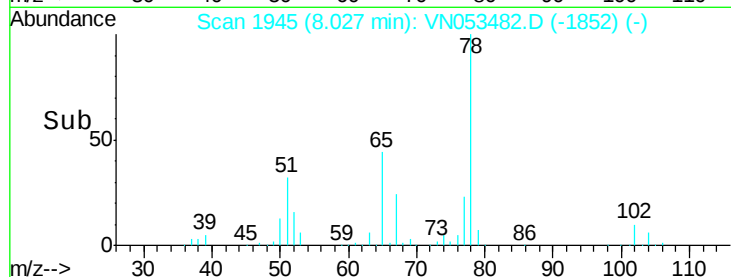
Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	111.2	

Manual Integrations
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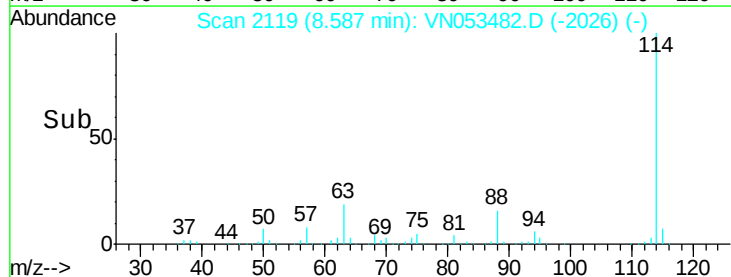
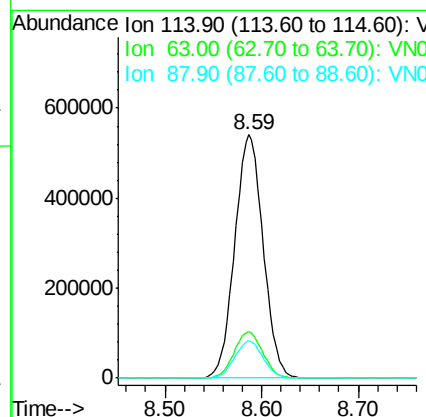
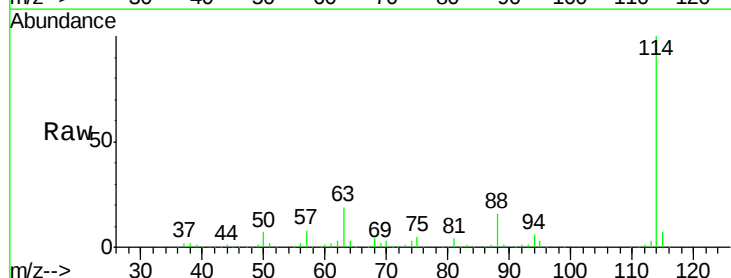


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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	38.6	
88	15.5	0.0	30.4	





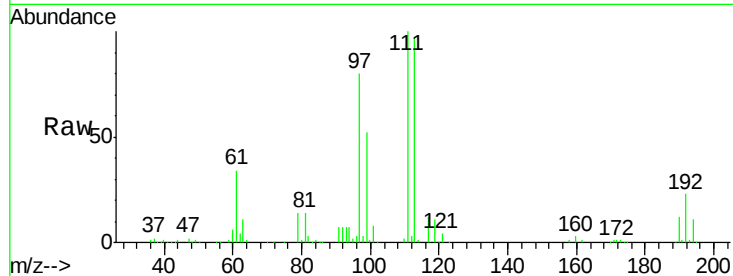
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

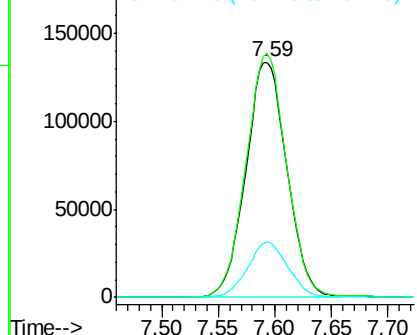
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.1	121.7	
192	23.0	18.2	27.2	

Manual Integrations
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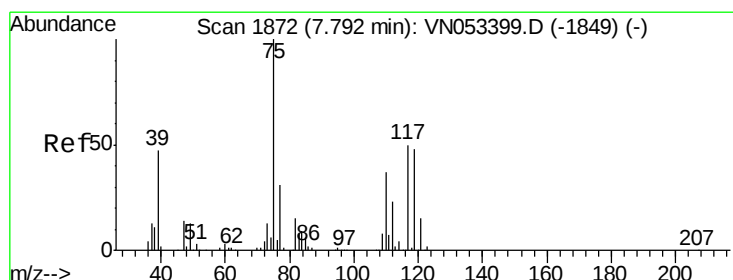
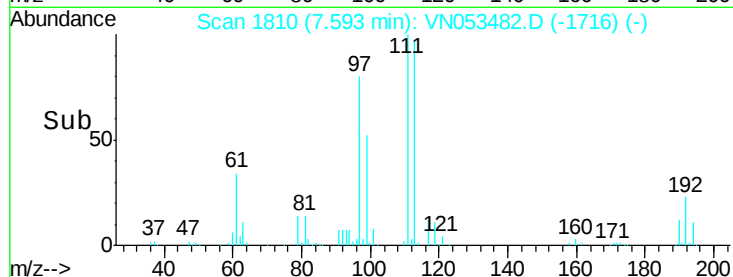
MMDadoda



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

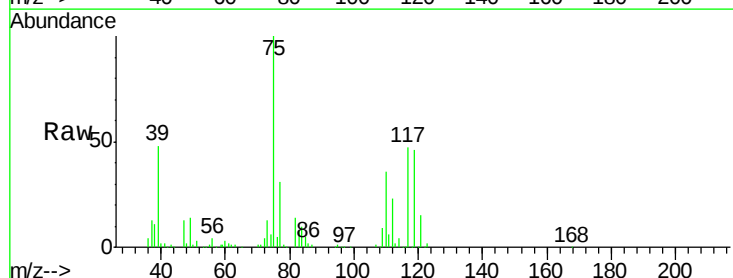


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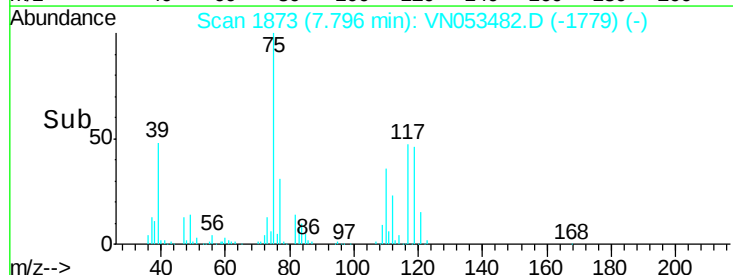
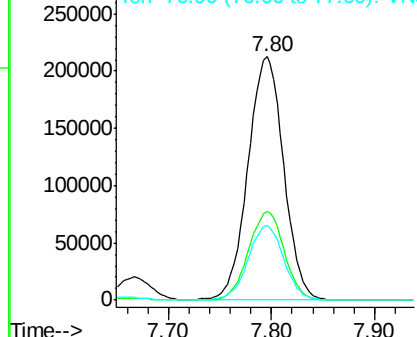


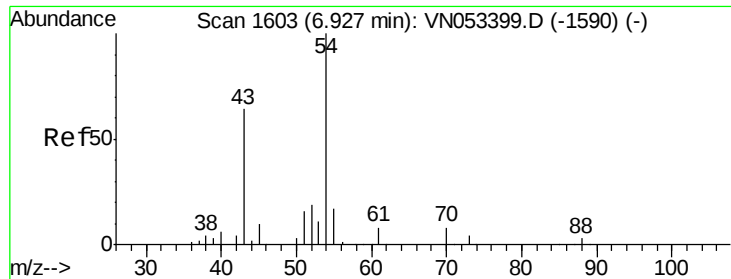
#36
 1,1-Dichloropropene
 Concen: 50.719 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.1	54.3	
77	30.5	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





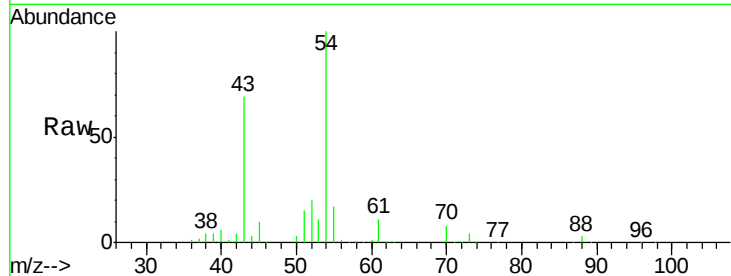
#37
Ethyl Acetate
Concen: 58.809 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

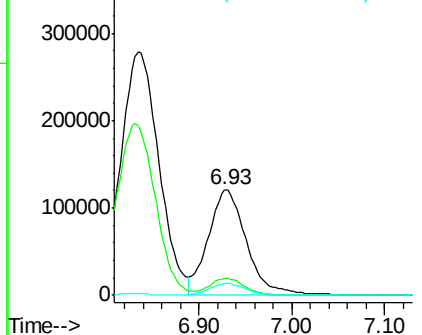
Tot Ion	43	Resp	339512
Ion Ratio	Lower	Upper	
43	100		
61	14.9	11.8	17.6
70	10.5	8.6	12.8

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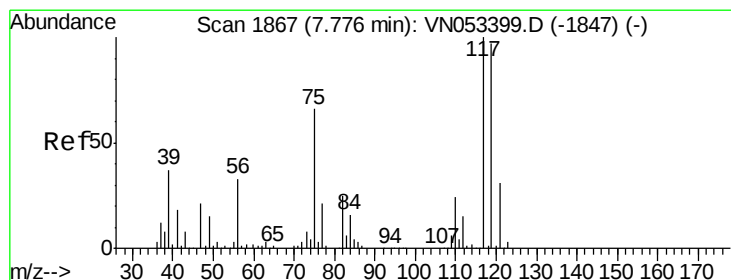
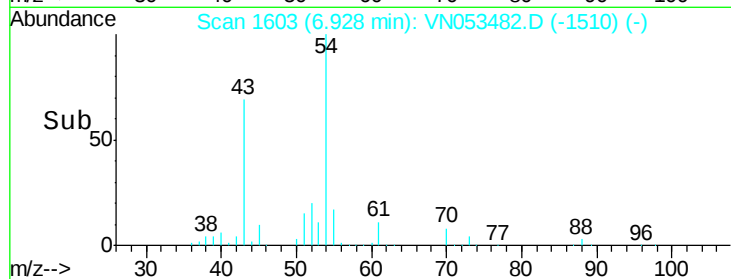
MM Dadoda



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1590) (-)
Ion 60.90 (60.60 to 61.60): VN053399.D (-1590) (-)
Ion 70.00 (69.70 to 70.70): VN053399.D (-1590) (-)

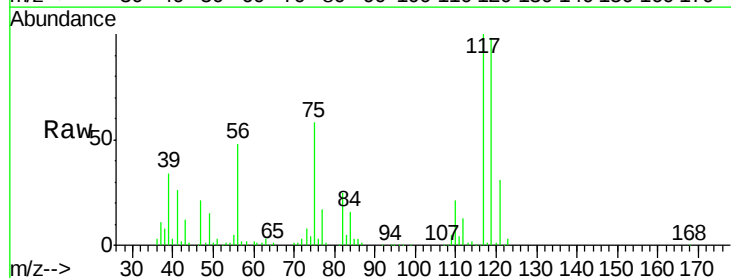


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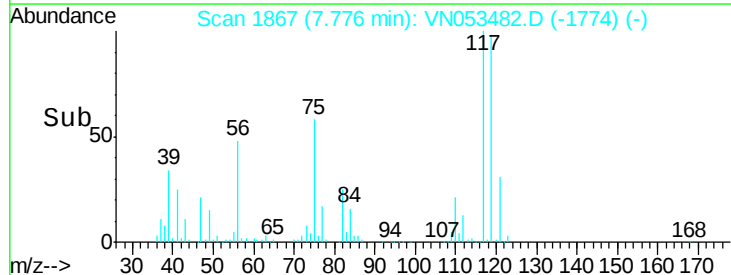
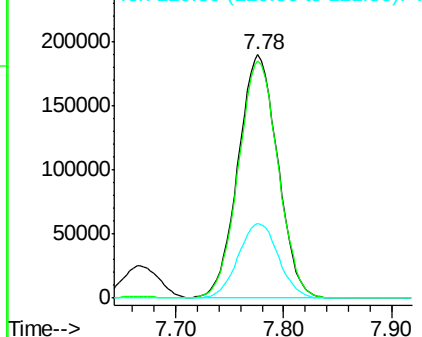


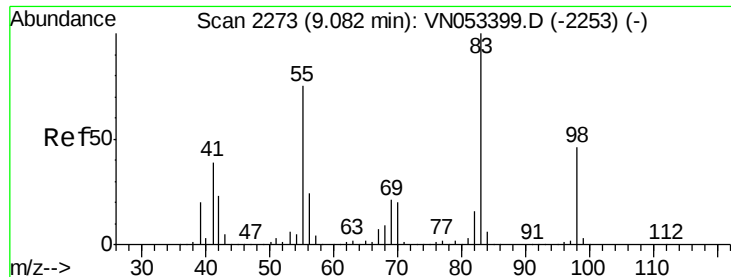
#38
Carbon Tetrachloride
Concen: 50.840 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	117	Resp	482977
Ion Ratio	Lower	Upper	
117	100		
119	97.7	77.2	115.8
121	30.7	24.6	37.0



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)
Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)
Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)





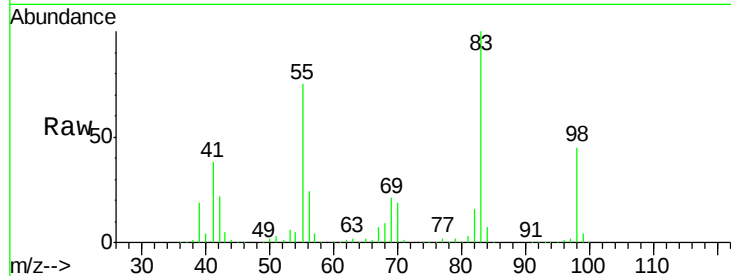
#39
Methvlcvclohexane
Concen: 48.845 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

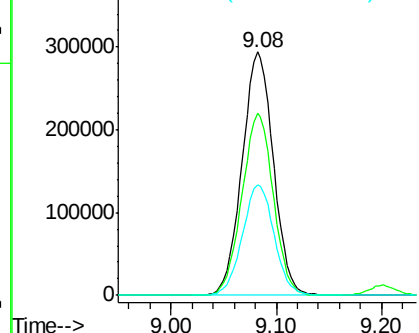
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.1	90.1
98	45.4	36.6	55.0

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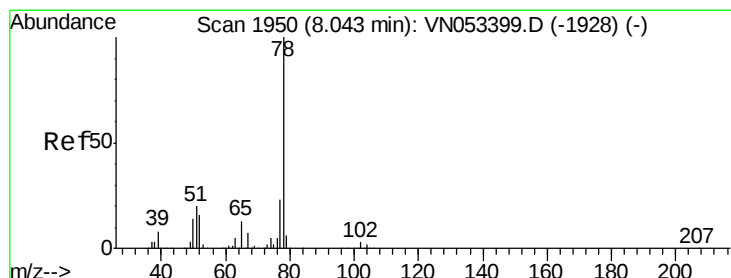
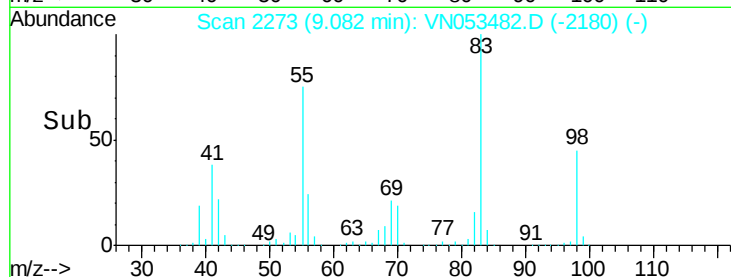
MMDadoda



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

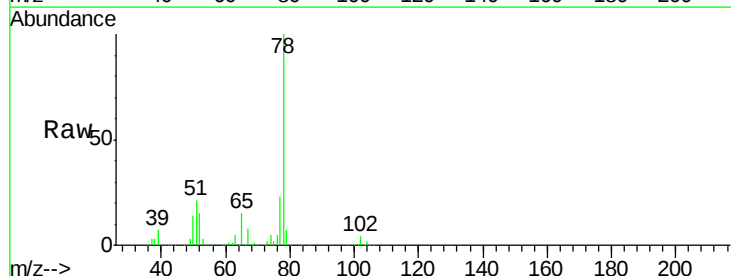


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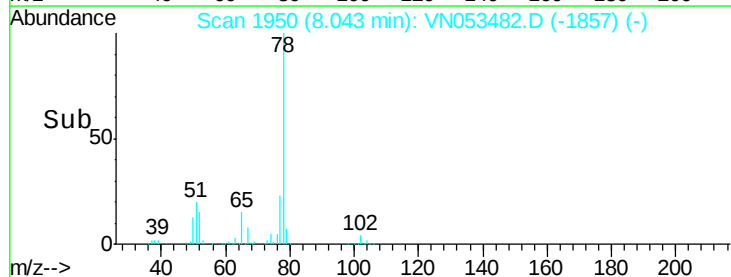
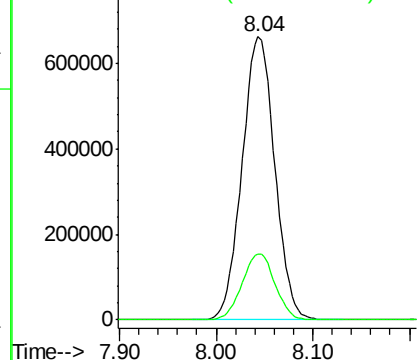


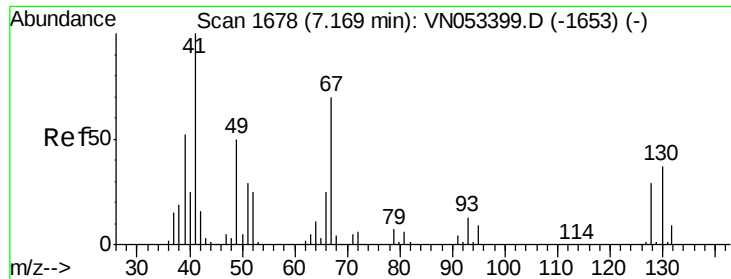
#40
Benzene
Concen: 51.056 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





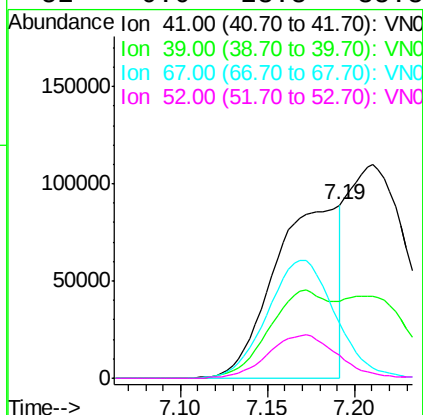
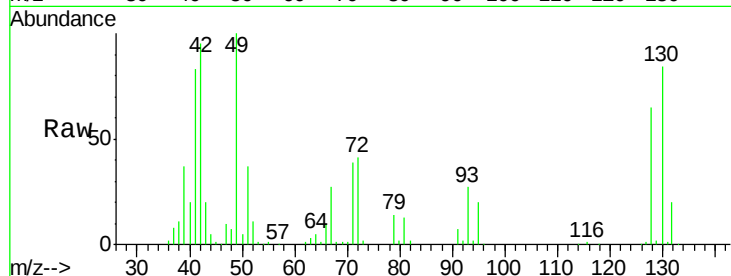
#41
Methacrylonitrile
Concen: 66.903 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

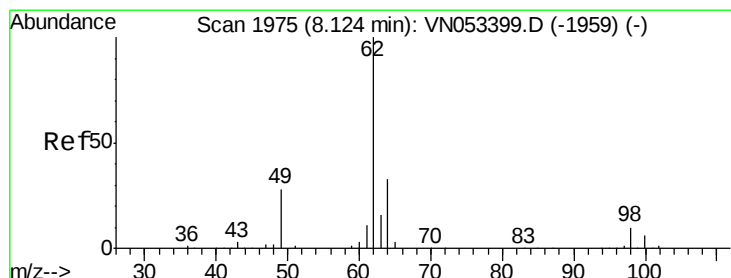
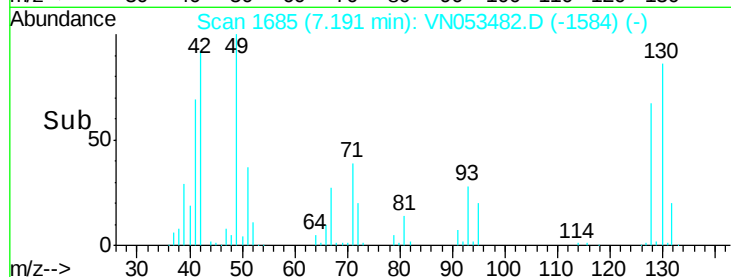
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	46.8	70.2#	
67	0.0	63.0	94.6#	
52	0.0	23.8	35.8#	

Manual Integrations
APPROVED

MMDadoda

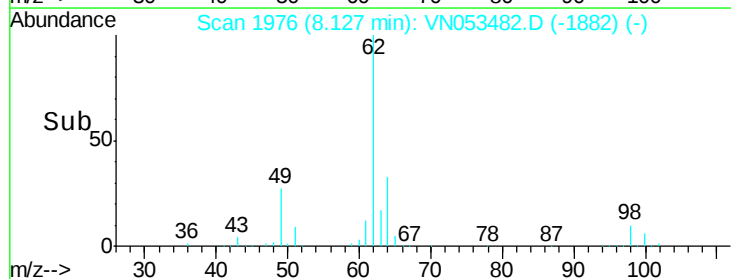
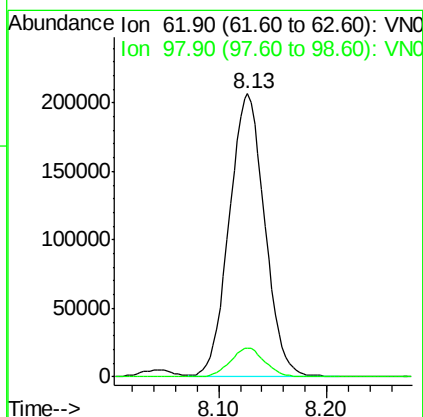
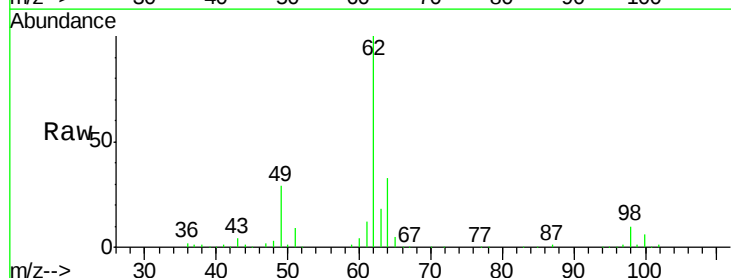


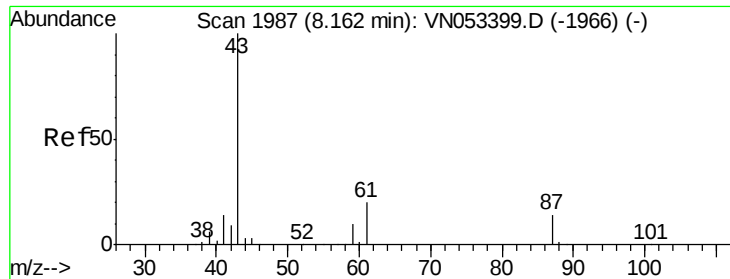
1/21/2019 10:48:38 AM



#42
1,2-Dichloroethane
Concen: 52.956 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





#43

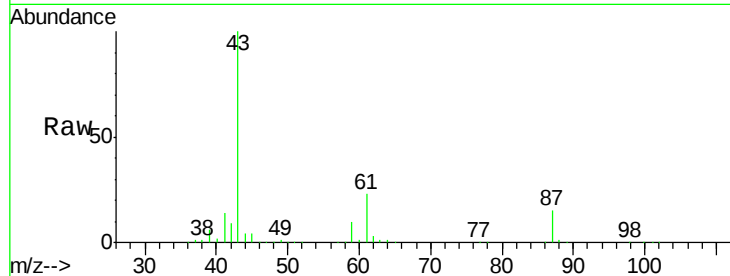
Isopropyl Acetate
 Concen: 58.703 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

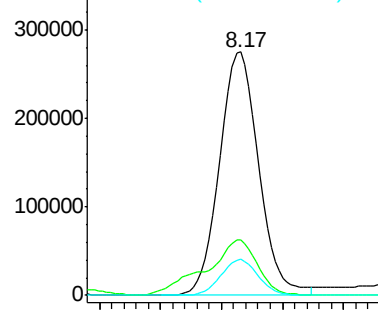
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.9	35.9
87	14.0	11.0	16.6

Manual Integrations
 APPROVED

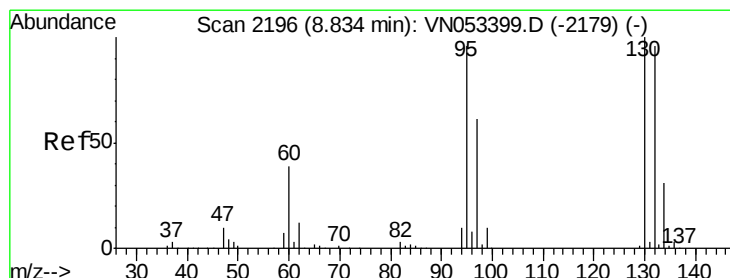
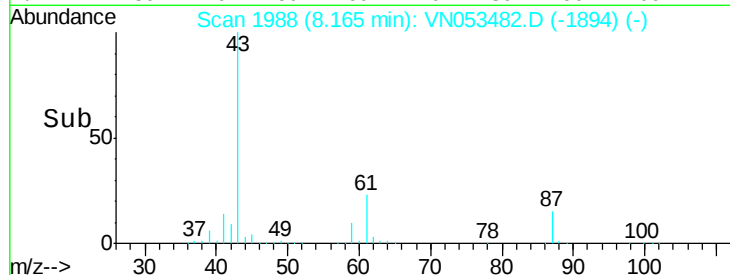
MMDadoda



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)
 Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)
 Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



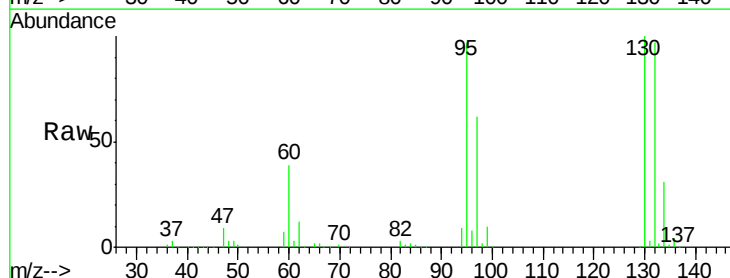
1/21/2019 10:48:38 AM



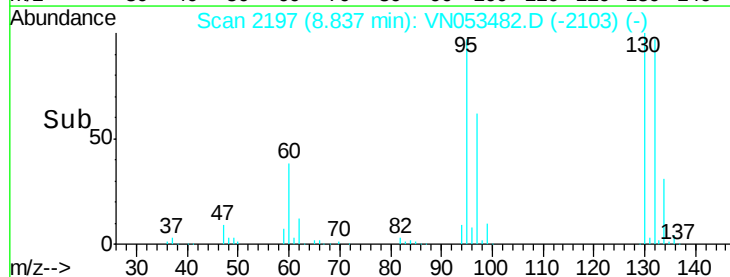
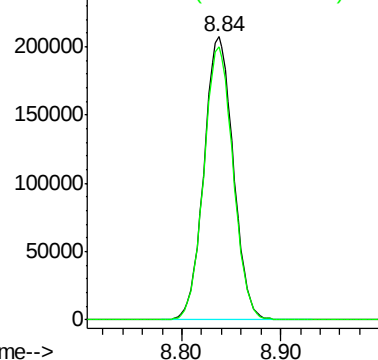
#44

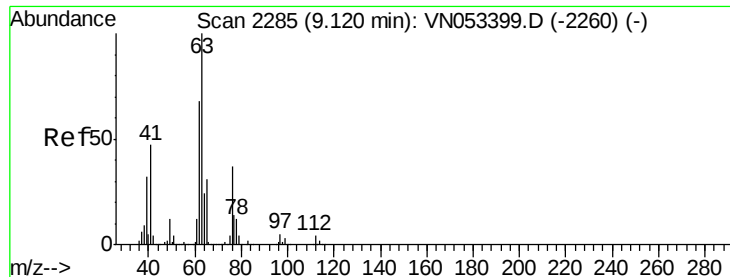
Trichloroethene
 Concen: 50.705 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 51.481 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 63 Resp: 415796

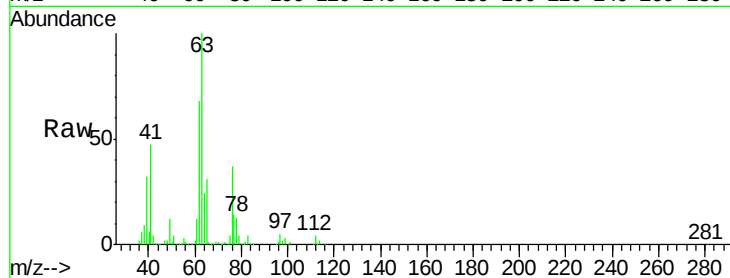
Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.4

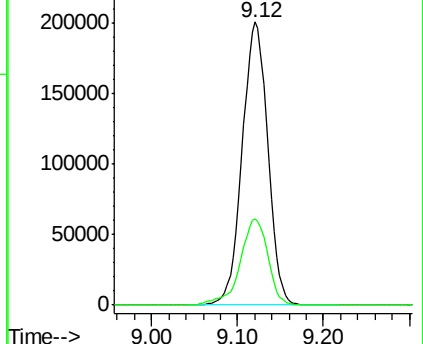
Manual Integrations
APPROVED

MMDadoda

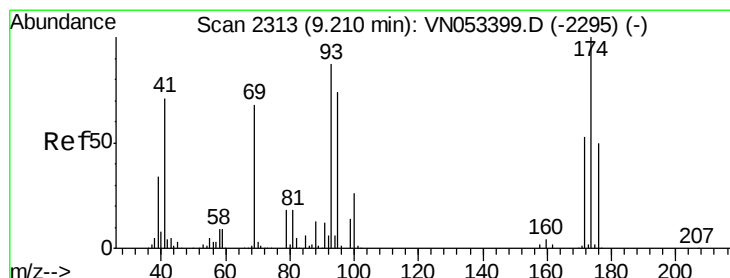
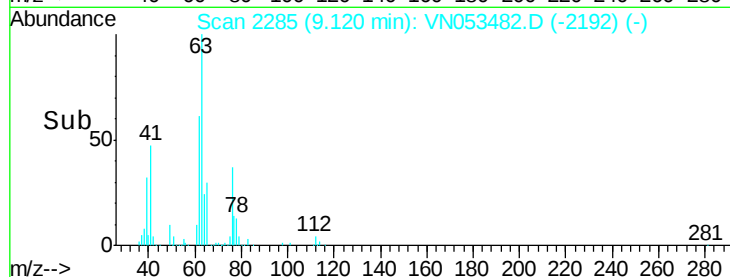


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



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#46

Dibromomethane

Concen: 53.382 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

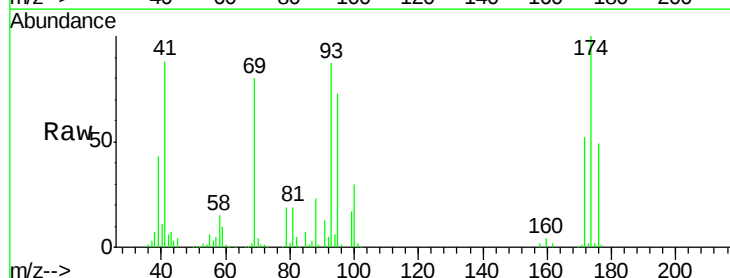
Tgt Ion: 93 Resp: 247711

Ion Ratio Lower Upper

93 100

95 84.0 67.3 100.9

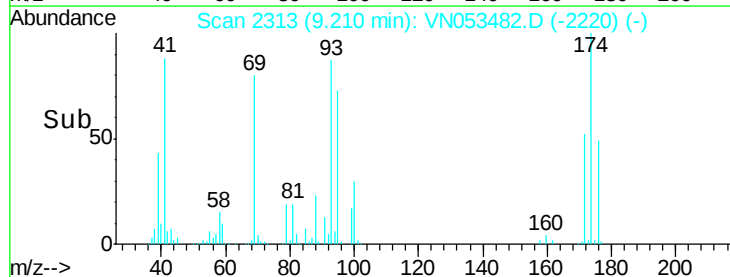
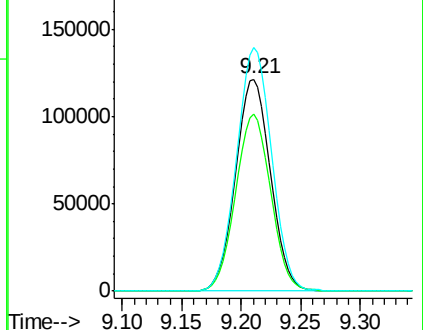
174 115.5 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.757 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

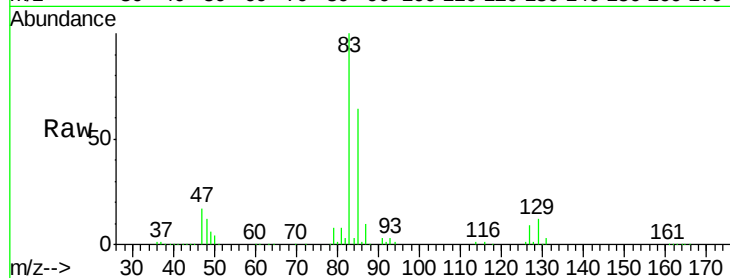
ClientSampleId :

SA-TW521-2327MSD

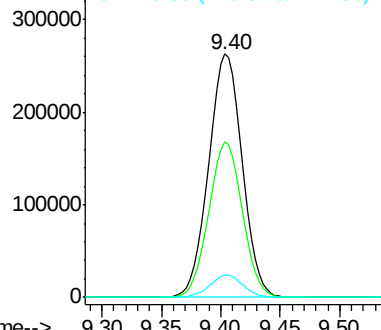
Tot Ion:	83	Resp:	514831
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.0	76.6
127	9.1	7.0	10.6

Manual Integrations
APPROVED

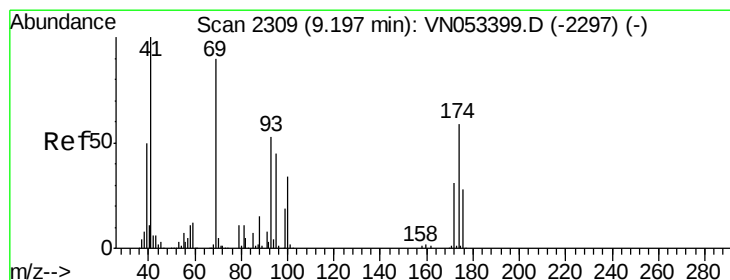
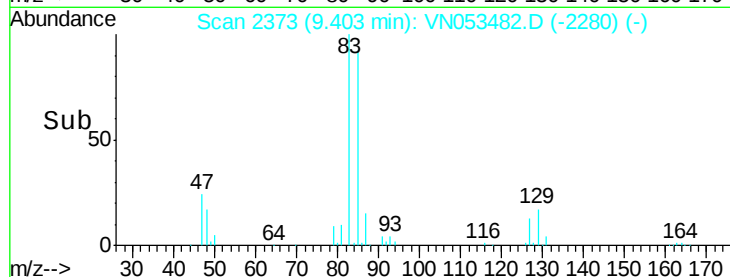
MMDadoda



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)



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#48

Methyl methacrylate

Concen: 58.614 ug/l

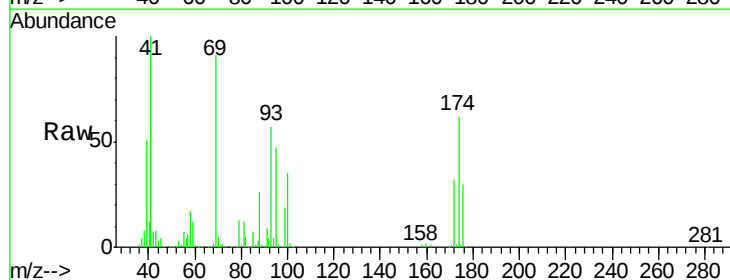
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

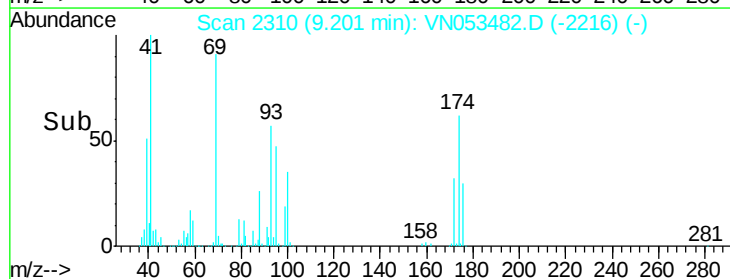
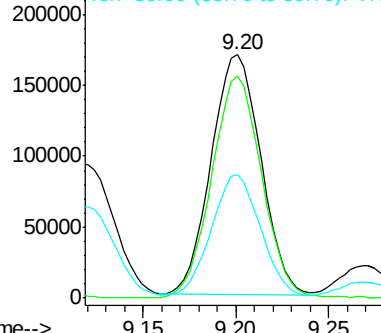
Lab File: VN053482.D

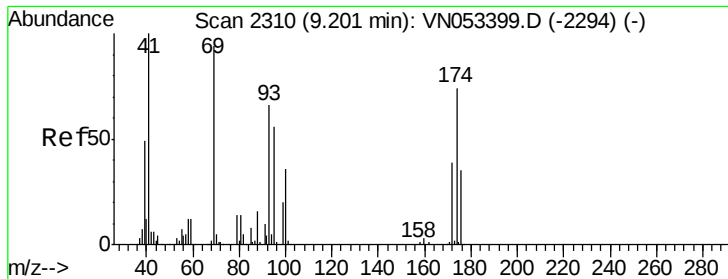
Acq: 18 Jan 2019 19:44

Tgt Ion:	41	Resp:	314163
Ion Ratio	Lower	Upper	
41	100		
69	93.8	73.8	110.6
39	51.6	40.0	60.0



Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)





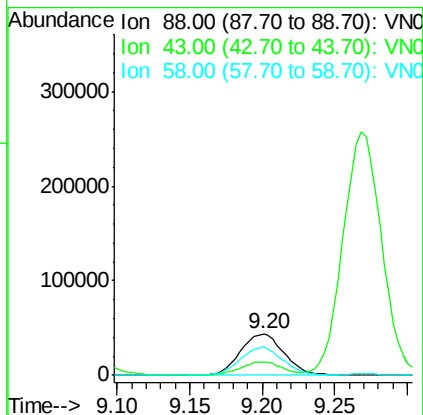
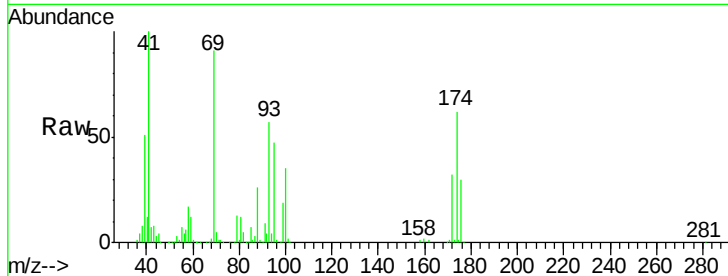
#49
1,4-Dioxane
Concen: 1755.169 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

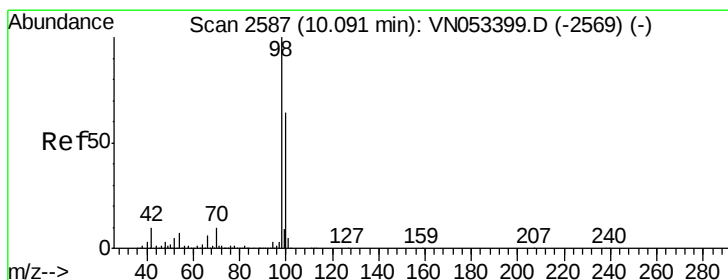
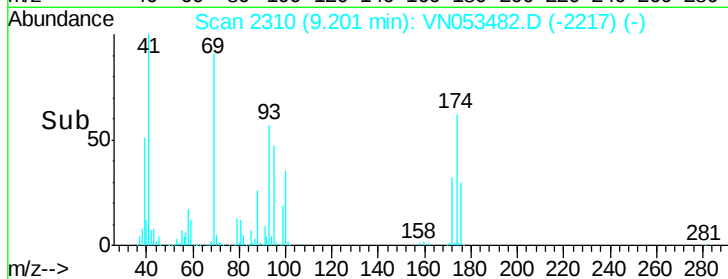
Tot Ion	88	Resp	91875
Ion	Ratio	Lower	Upper
88	100		
43	29.2	27.8	41.6
58	66.9	56.5	84.7

Manual Integrations
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MMDadoda

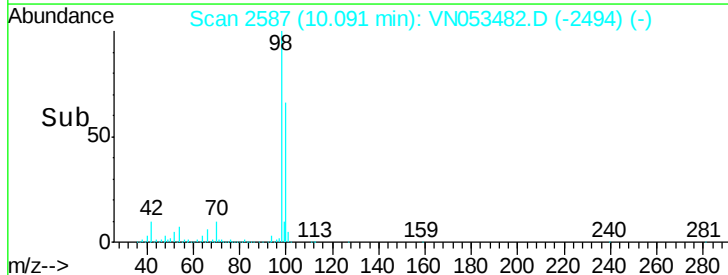
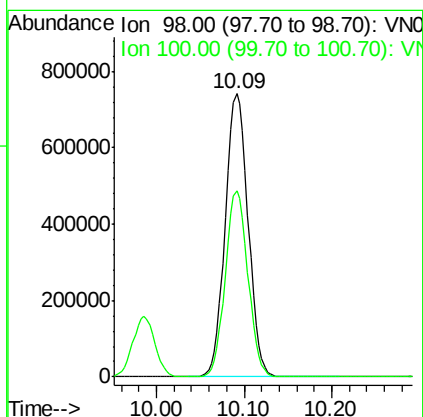
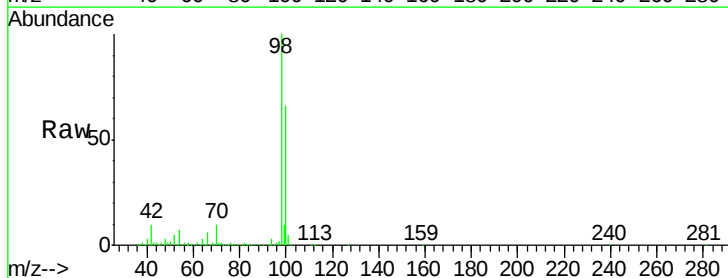


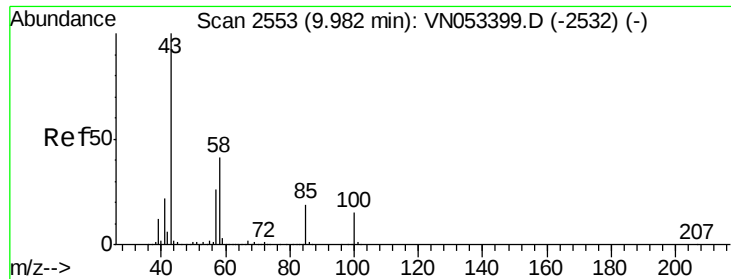
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#50
Toluene-d8
Concen: 1755.169 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	98	Resp	1348672
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0





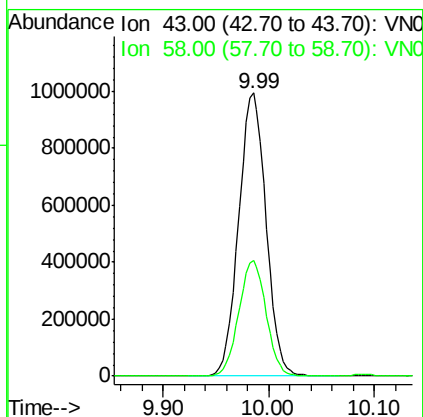
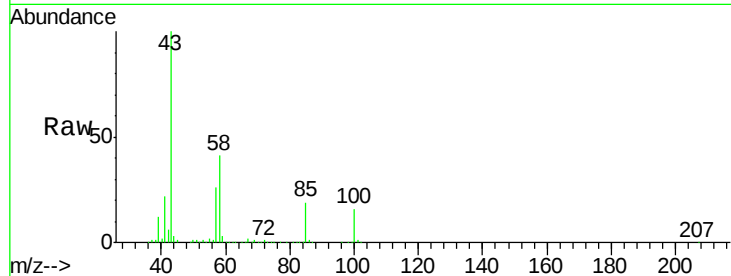
#51
4-Methyl-2-Pentanone
Concen: 316.049 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampled :
SA-TW521-2327MSD

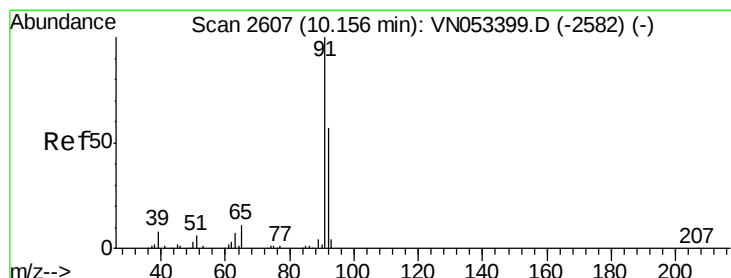
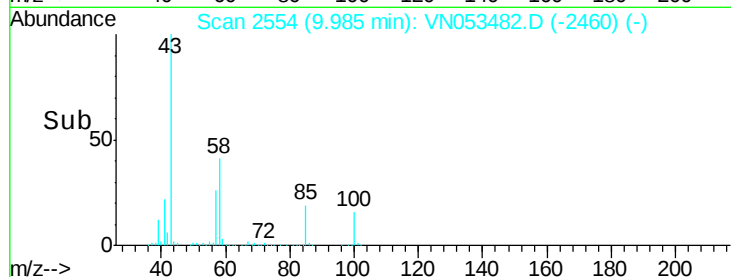
Tot Ion: 43 Resp: 1790984
Ion Ratio Lower Upper
43 100
58 40.8 32.8 49.2

Manual Integrations
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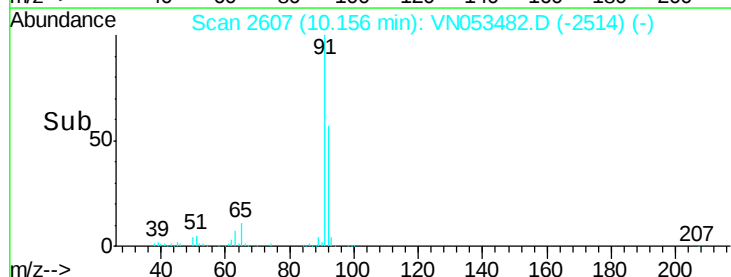
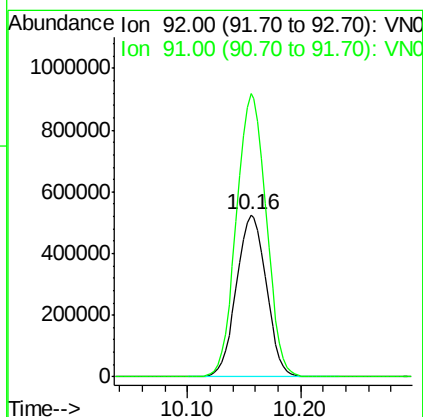
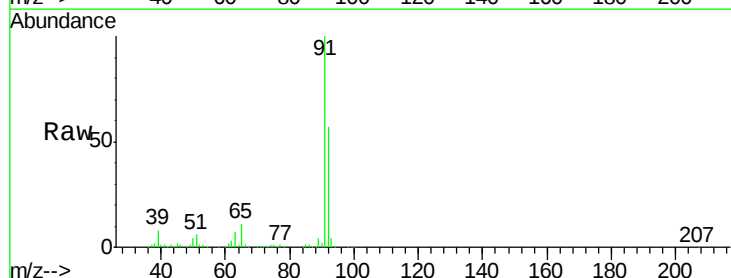


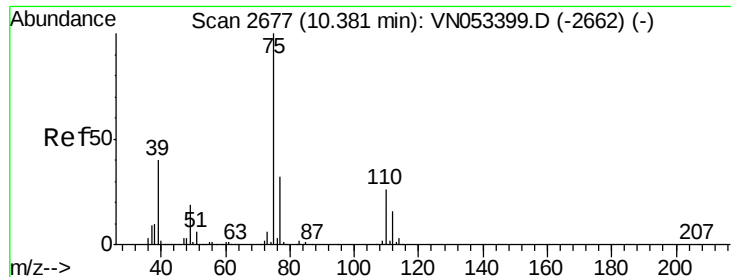
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#52
Toluene
Concen: 51.112 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 92 Resp: 967582
Ion Ratio Lower Upper
92 100
91 174.7 139.9 209.9





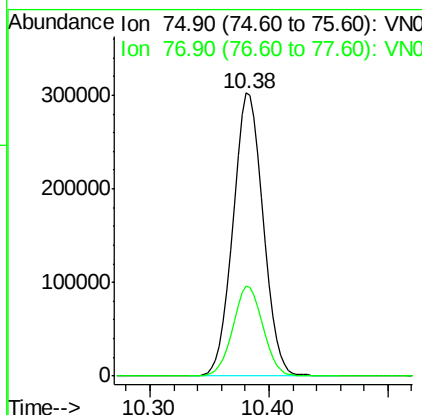
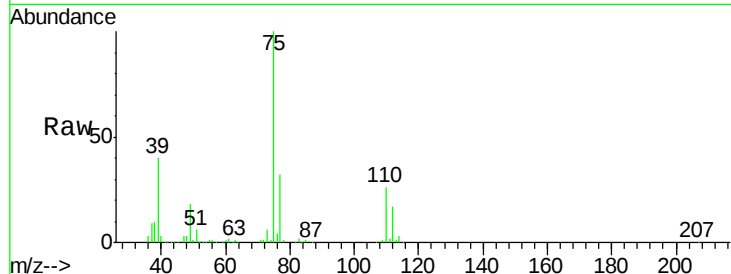
#53
t-1,3-Dichloropropene
Concen: 53.654 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

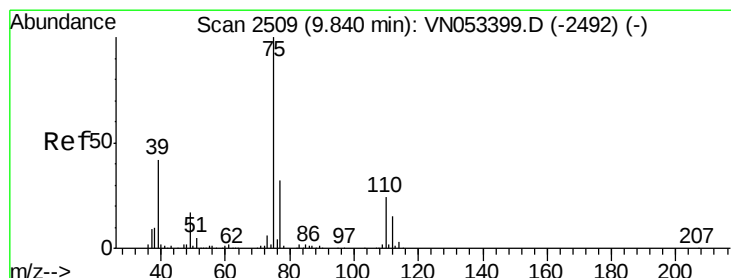
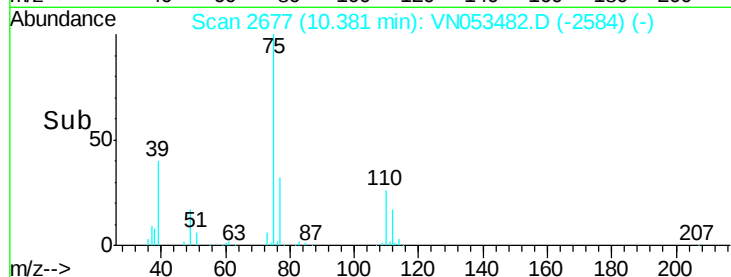
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

Manual Integrations
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MM Dadoda

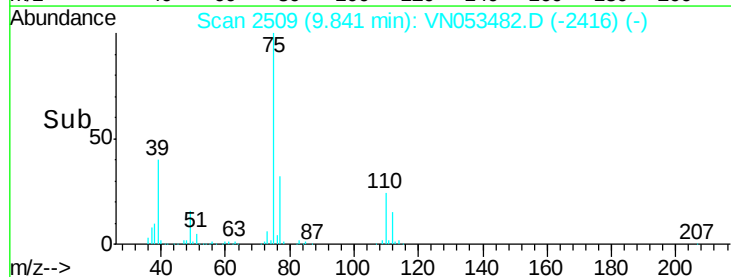
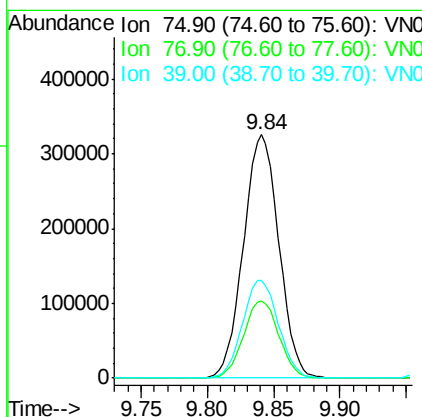
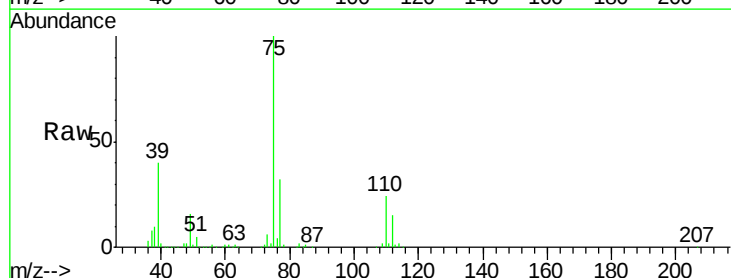


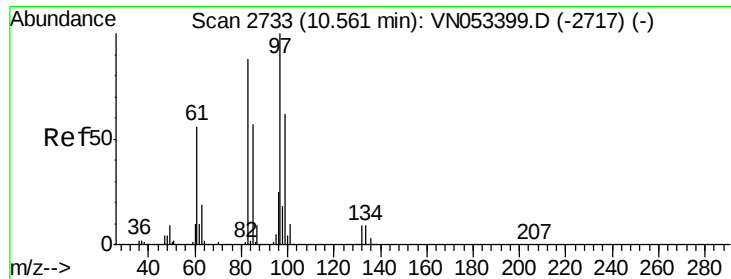
1/21/2019 10:48:38 AM



#54
cis-1,3-Dichloropropene
Concen: 52.014 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	40.4	33.4	50.0





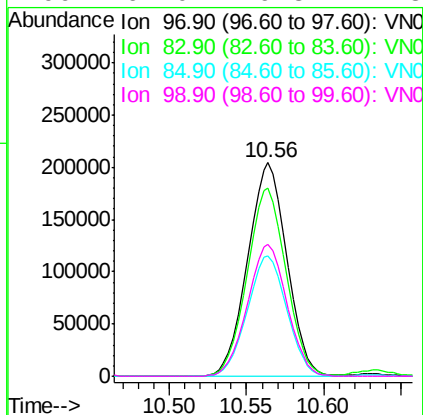
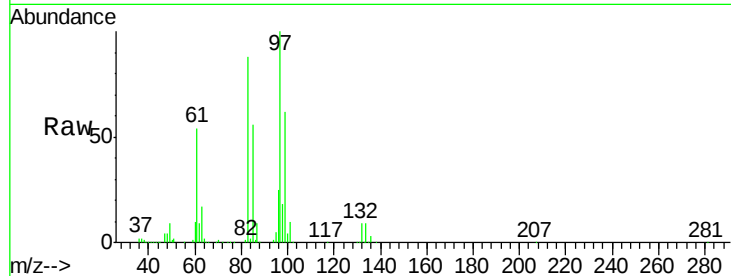
#55
 1,1,2-Trichloroethane
 Concen: 55.212 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

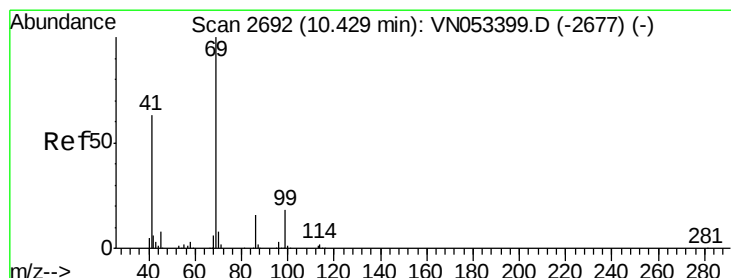
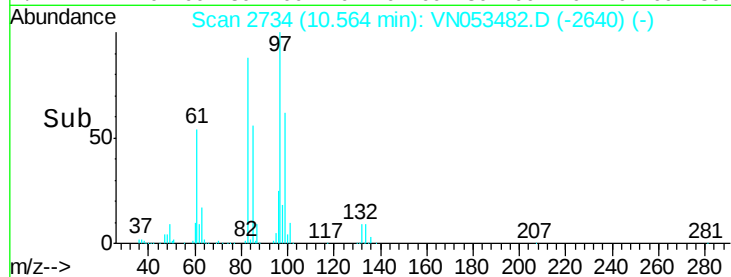
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		360345		
83	88.0	70.1	105.1		
85	56.4	45.4	68.0		
99	62.0	49.8	74.8		

Manual Integrations
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MMDadoda

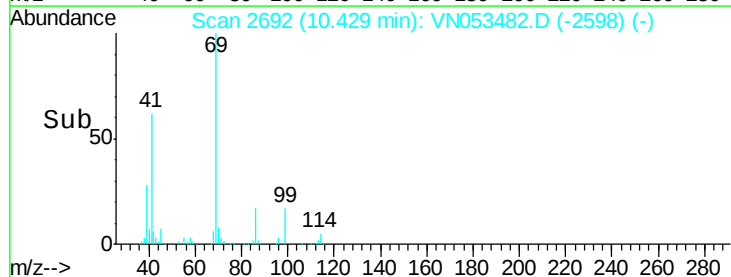
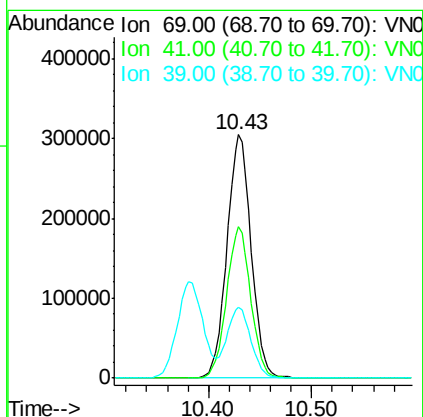
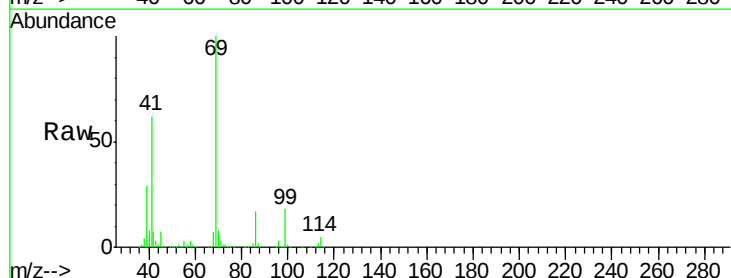


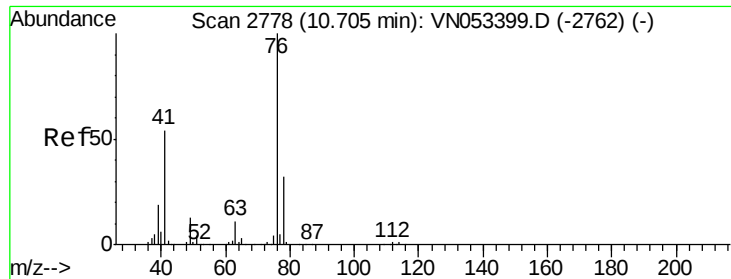
1/21/2019 10:48:38 AM



#56
 Ethyl methacrylate
 Concen: 53.607 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		497966		
41	61.1	49.4	74.0		
39	29.1	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 54.585 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 76 Resp: 616286

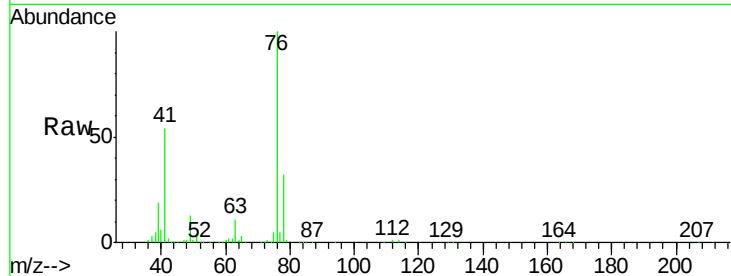
Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN053399.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN053399.D (-2762) (-)

10.71

300000

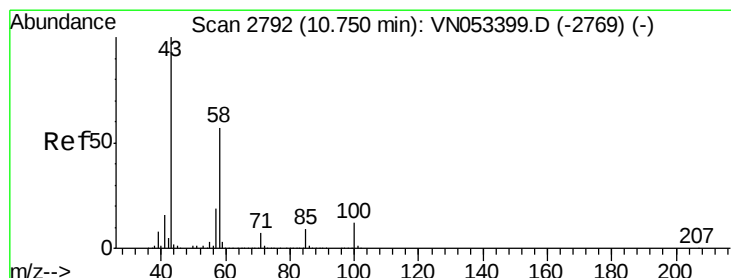
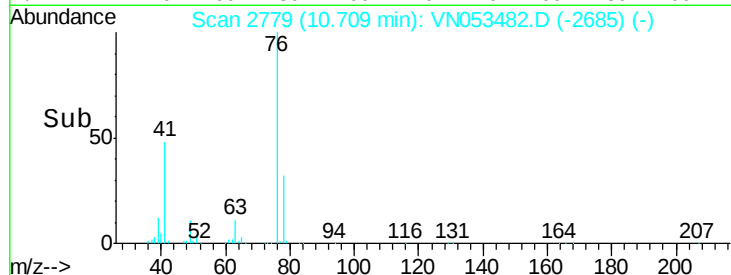
200000

100000

0

Time--> 10.60 10.70 10.80

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#59

2-Hexanone

Concen: 313.649 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053482.D

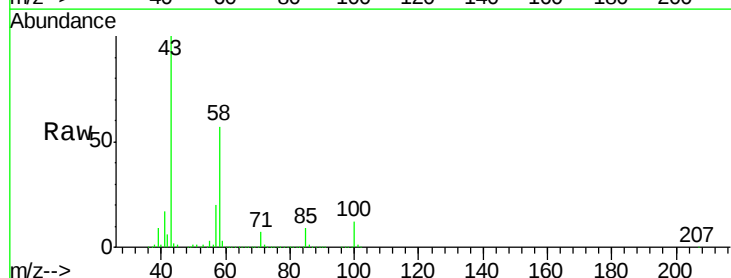
Acq: 18 Jan 2019 19:44

Tgt Ion: 43 Resp: 1247705

Ion Ratio Lower Upper

43 100

58 57.0 28.6 85.8



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2769) (-)

10.75

800000

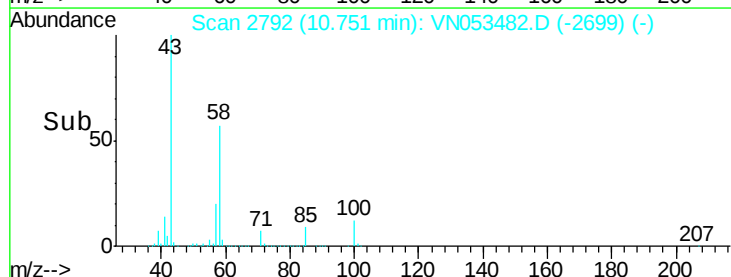
600000

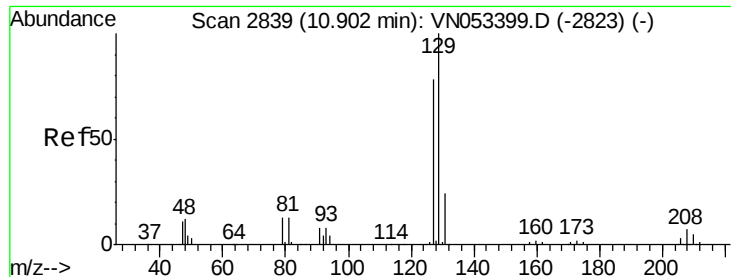
400000

200000

0

Time--> 10.70 10.80





#60

Dibromochloromethane

Concen: 54.928 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion:129 Resp: 406609

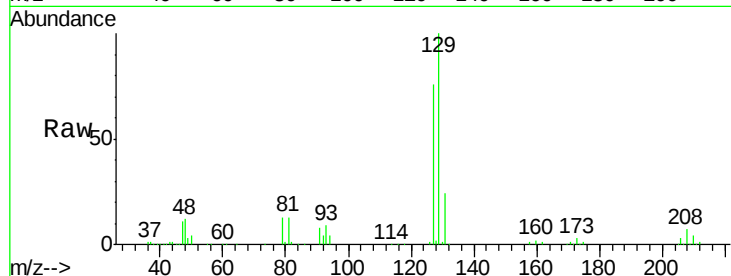
Ion Ratio Lower Upper

129 100

127 76.8 38.6 115.8

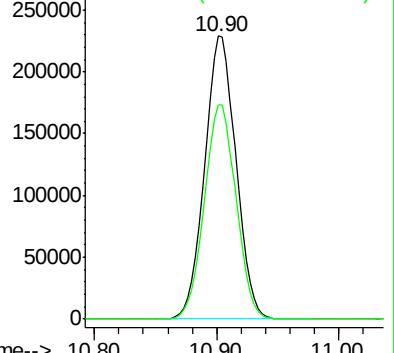
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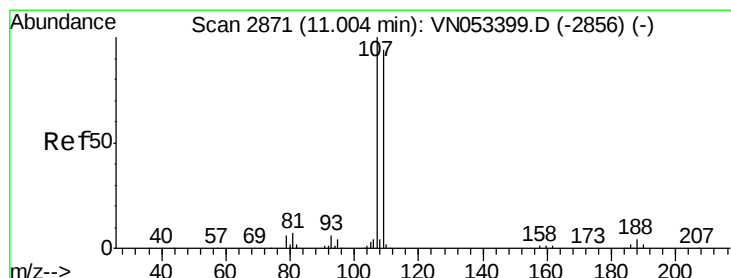
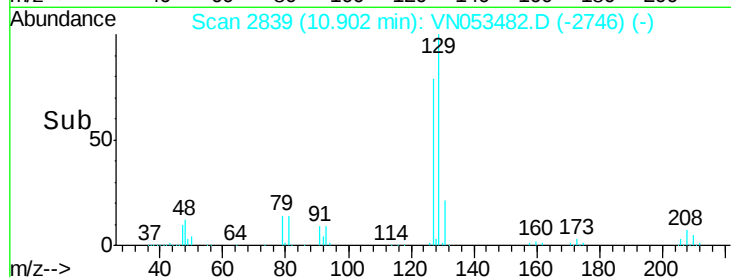


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



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#61

1,2-Dibromoethane

Concen: 55.950 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053482.D

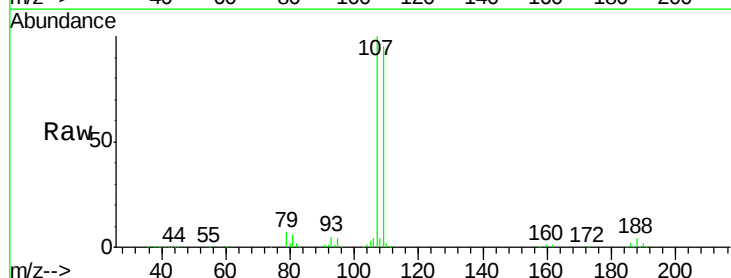
Acq: 18 Jan 2019 19:44

Tgt Ion:107 Resp: 369311

Ion Ratio Lower Upper

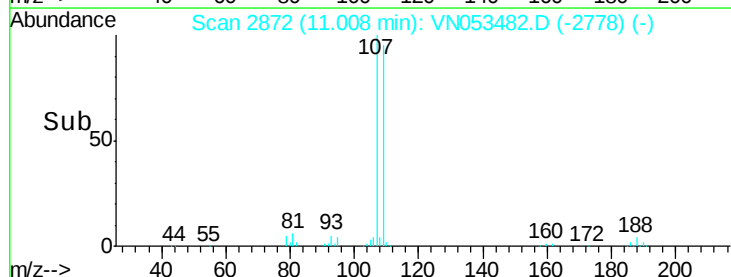
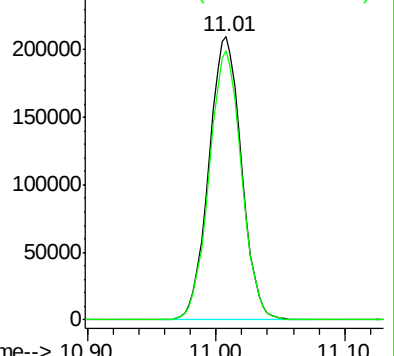
107 100

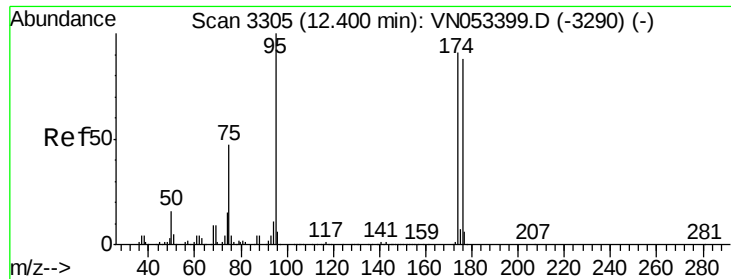
109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 55.950 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

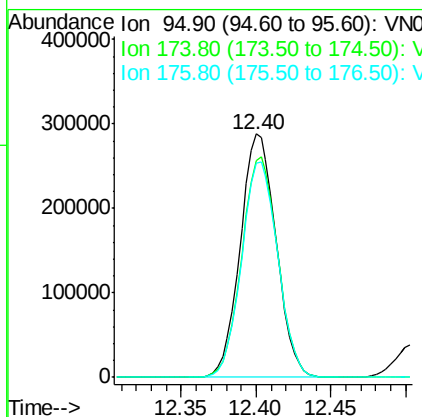
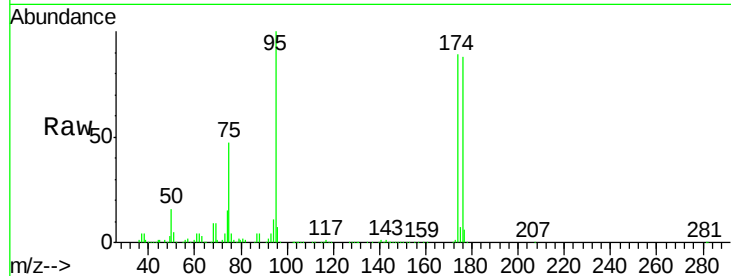
ClientSampleId :

SA-TW521-2327MSD

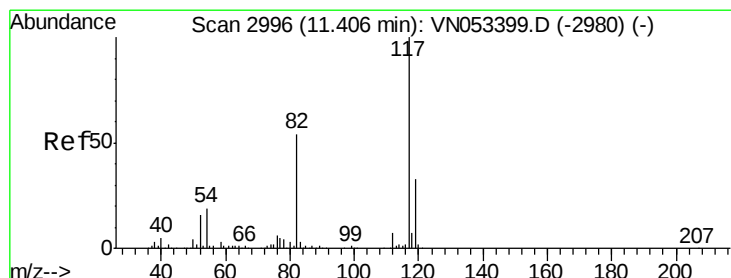
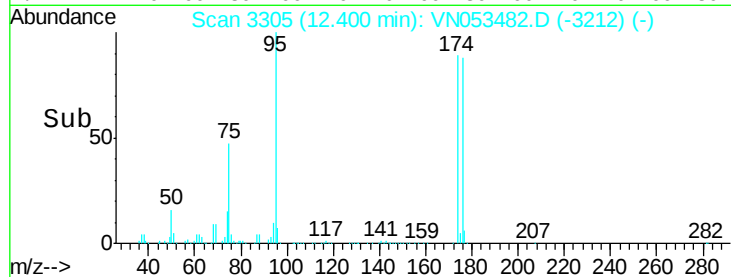
Tot Ion:	95	Resp:	479536
Ion Ratio	Lower	Upper	
95	100		
174	91.2	0.0	183.2
176	89.6	0.0	177.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

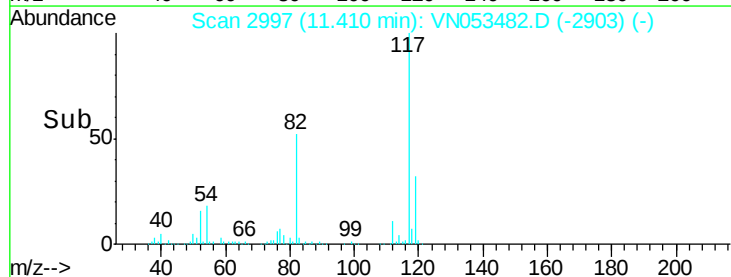
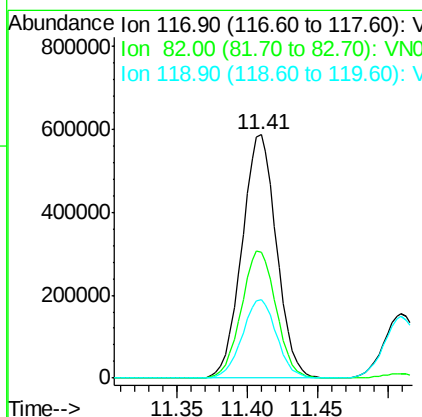
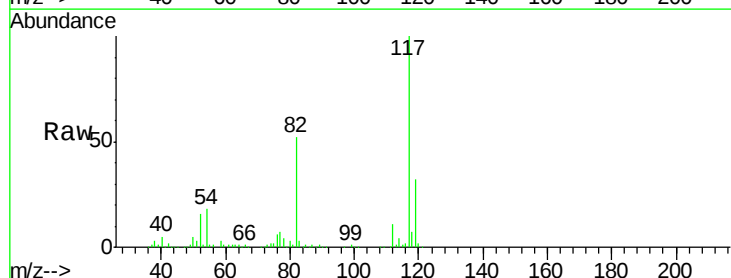
RT: 11.41 min Scan# 2997

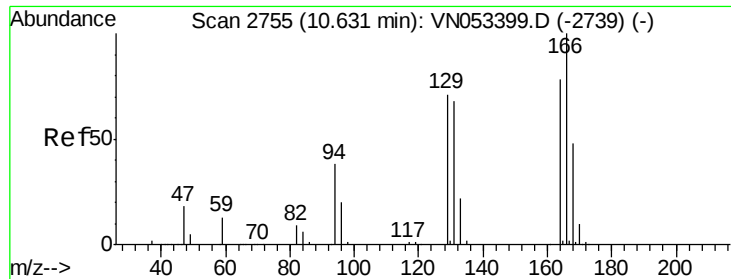
Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tgt Ion:	117	Resp:	1006377
Ion Ratio	Lower	Upper	
117	100		
82	51.9	42.9	64.3
119	32.1	26.0	39.0





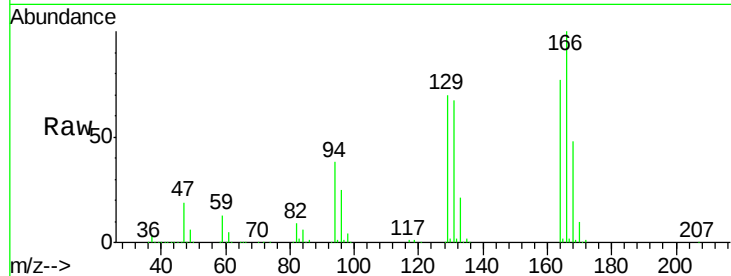
#64
Tetrachloroethene
Concen: 47.546 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.2	102.2	153.4
129	90.4	72.6	109.0
131	86.6	69.5	104.3

Manual Integrations
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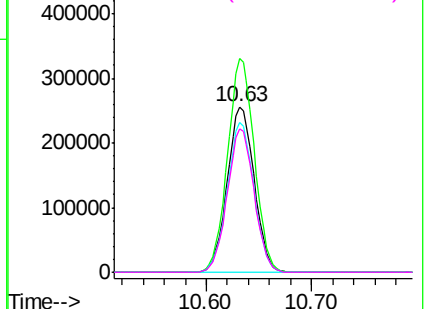
Abundance

Ion 163.80 (163.50 to 164.50): V

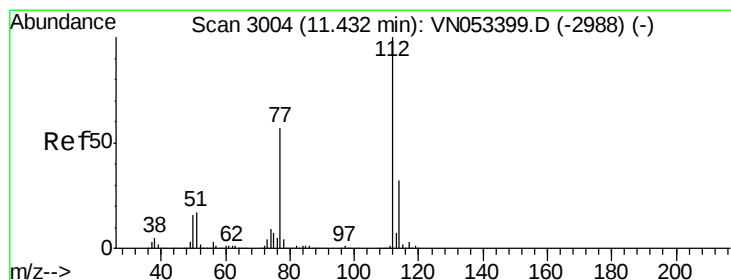
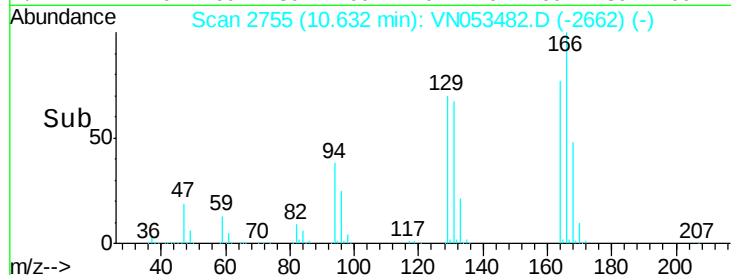
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

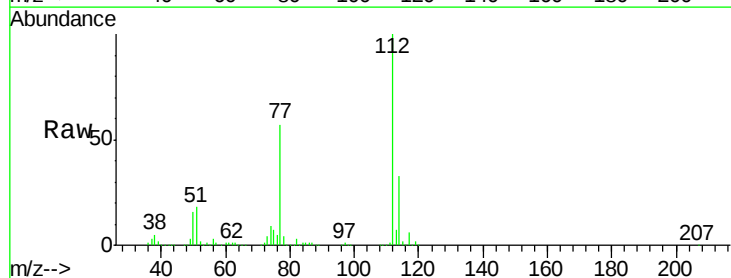


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#65
Chlorobenzene
Concen: 50.792 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

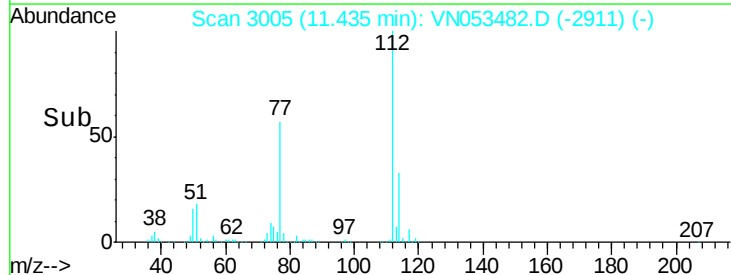
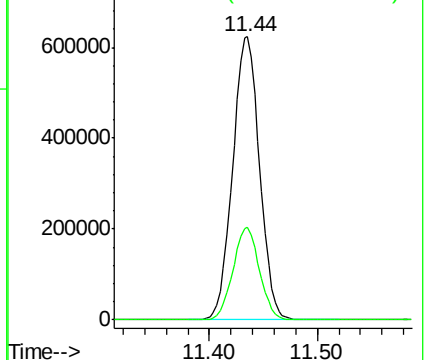
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.3	37.9

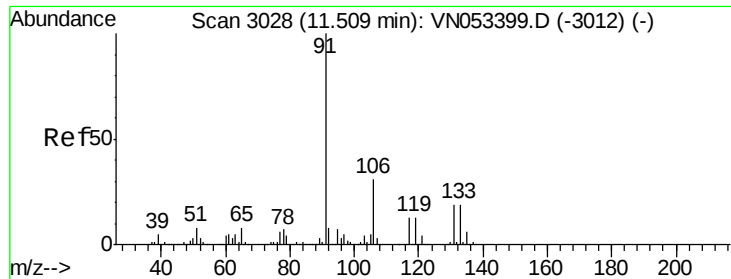


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.434 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

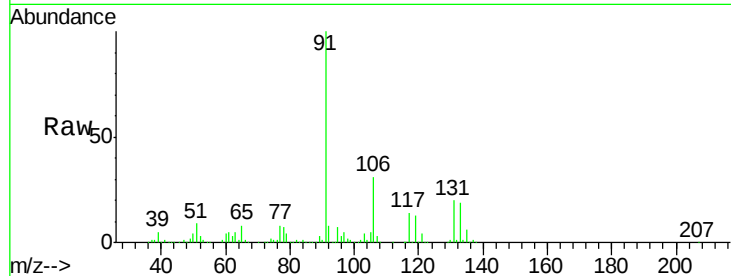
ClientSampleId :

SA-TW521-2327MSD

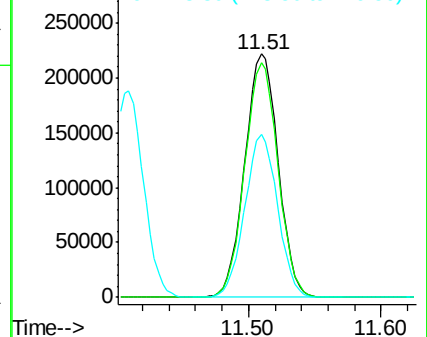
Tot Ion:	131	Resp:	388567
Ion Ratio	Lower	Upper	
131	100		
133	95.9	48.0	144.0
119	65.6	33.5	100.5

Manual Integrations
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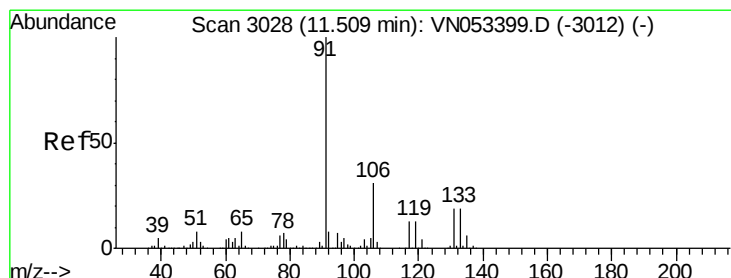
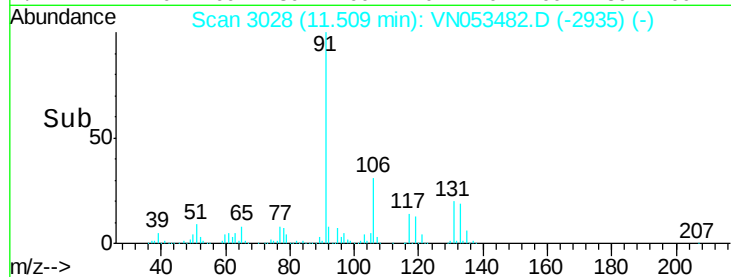
MMDadoda



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



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#67

Ethyl Benzene

Concen: 51.437 ug/l

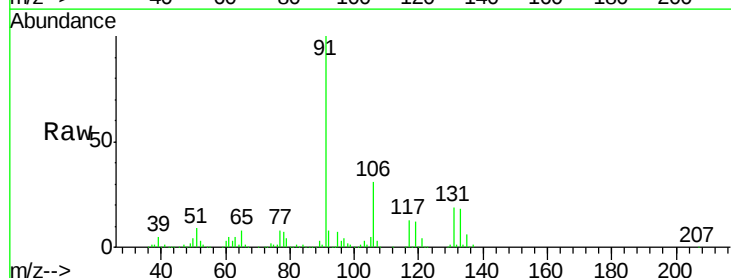
RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

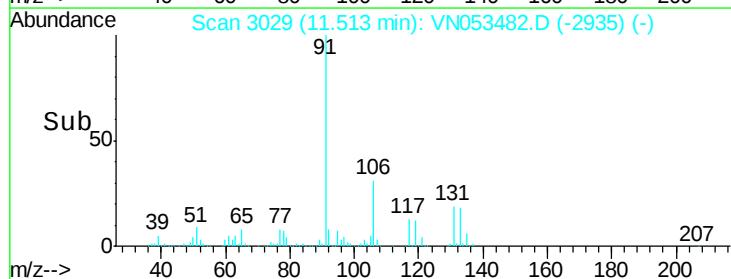
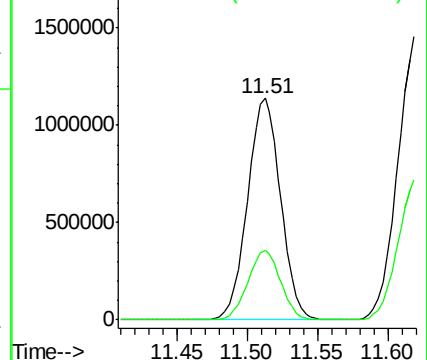
Lab File: VN053482.D

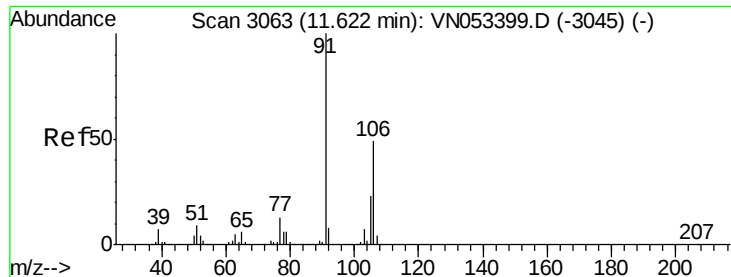
Acq: 18 Jan 2019 19:44

Tgt Ion:	91	Resp:	1867331
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.0	37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V





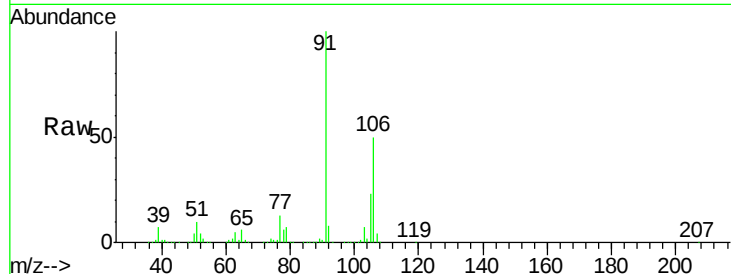
#68
m/p-Xvlenes
Concen: 104.272 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

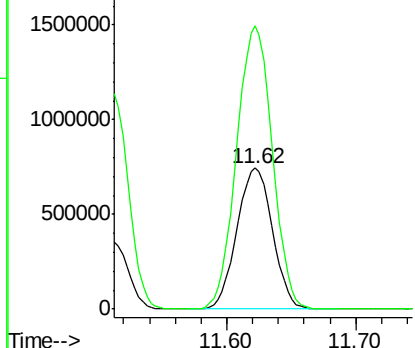
Tot Ion:106 Resp: 1429206
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2

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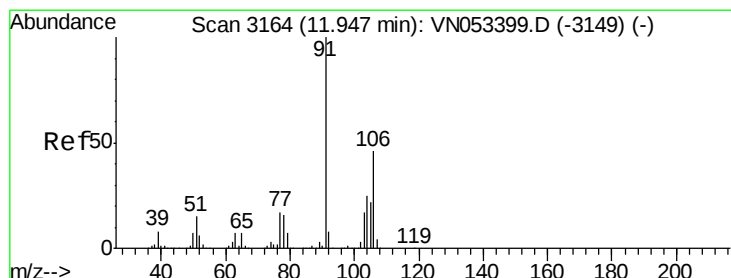
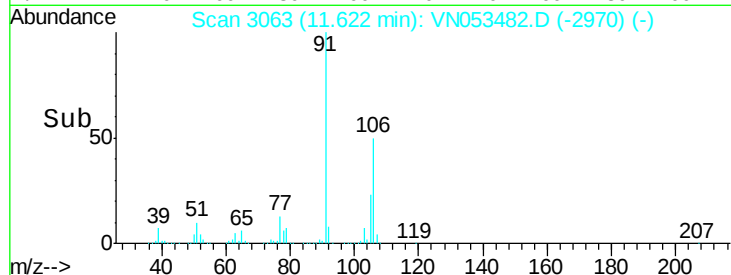
MMDadoda



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

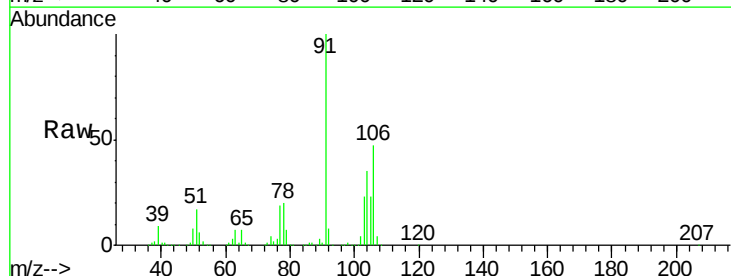


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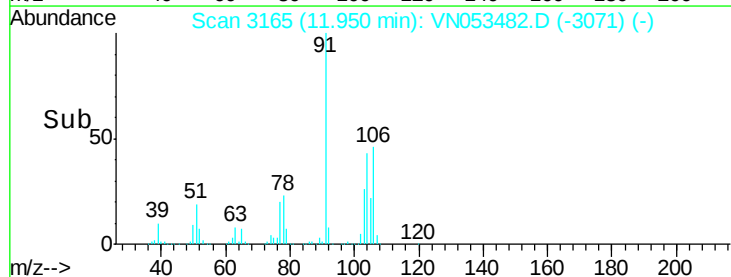
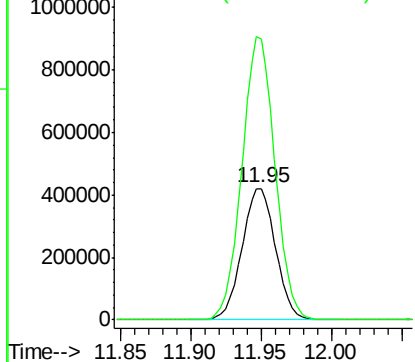


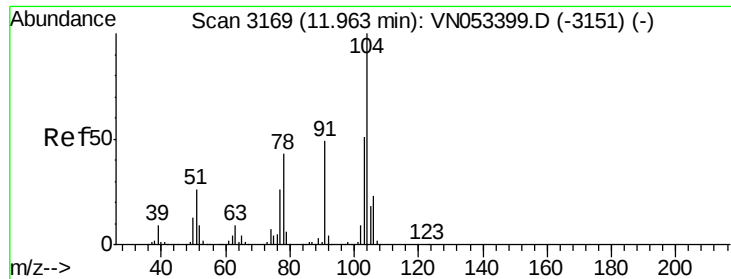
#69
o-Xylene
Concen: 52.482 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion:106 Resp: 698985
Ion Ratio Lower Upper
106 100
91 212.5 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 53.548 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion:104 Resp: 1157464

Ion Ratio Lower Upper

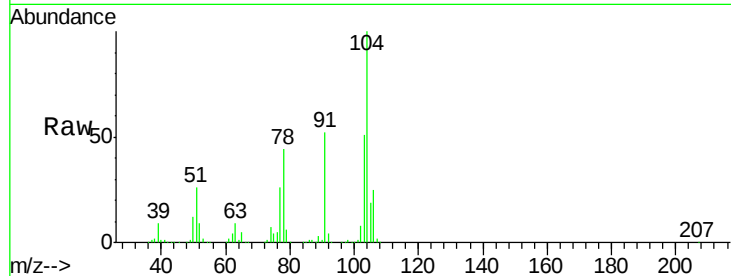
104 100

78 47.7 38.2 57.2

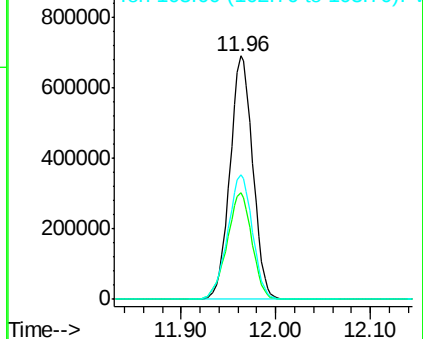
103 55.6 44.4 66.6

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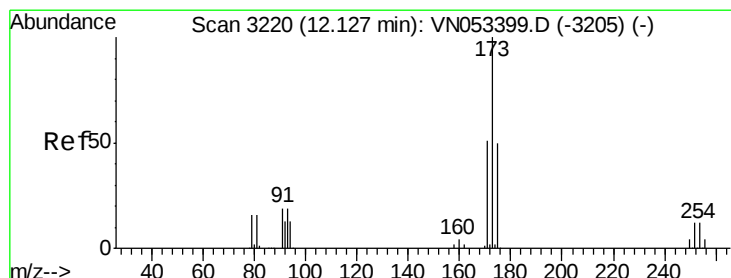
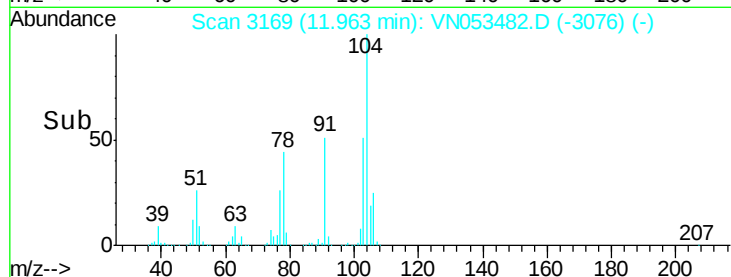
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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



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#71

Bromoform

Concen: 57.891 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

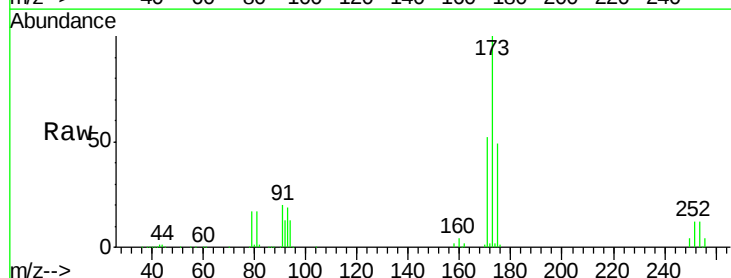
Tgt Ion:173 Resp: 295346

Ion Ratio Lower Upper

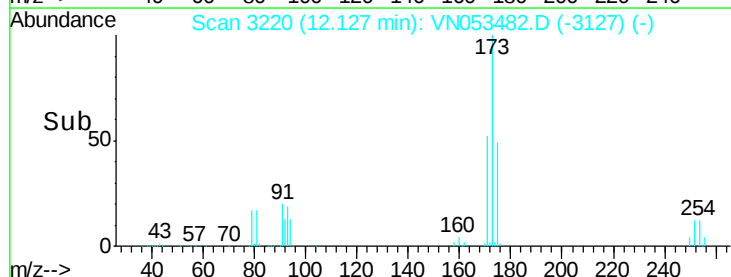
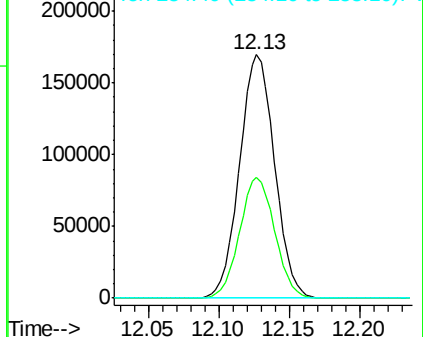
173 100

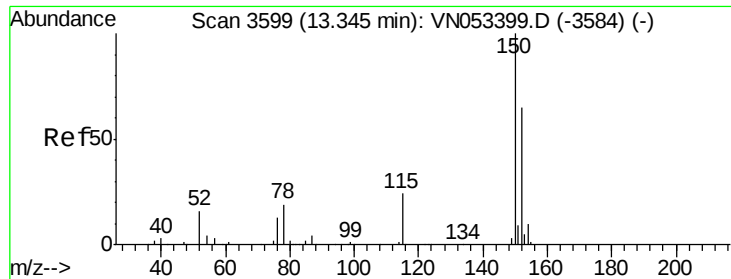
175 49.7 24.6 74.0

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion:152 Resp: 502164

Ion Ratio Lower Upper

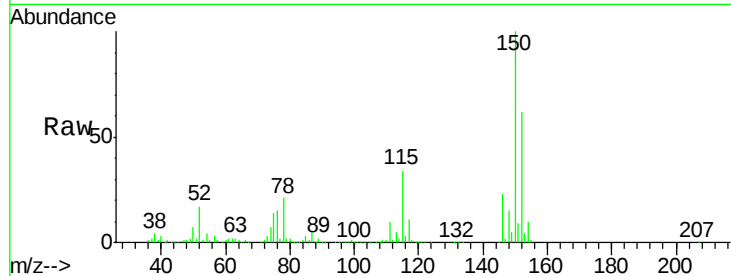
152 100

115 55.9 27.8 83.4

150 175.4 0.0 349.0

Manual Integrations
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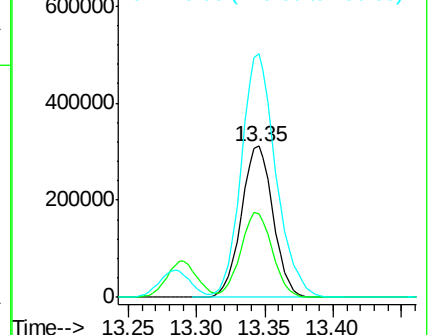
MMDadoda



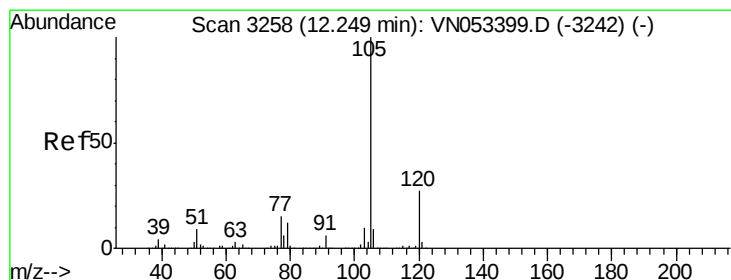
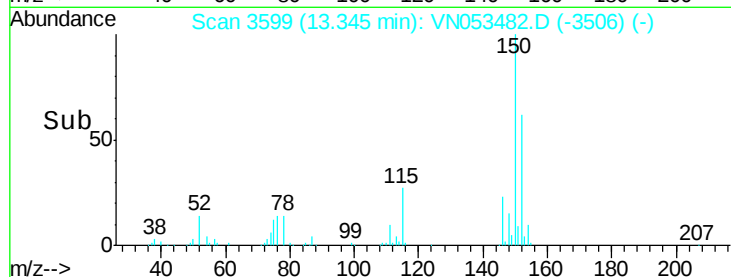
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



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#73

Isopropylbenzene

Concen: 50.243 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053482.D

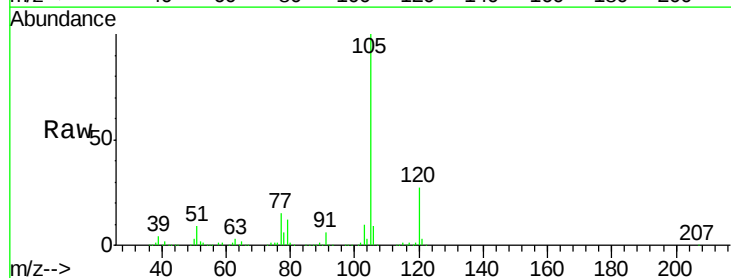
Acq: 18 Jan 2019 19:44

Tgt Ion:105 Resp: 1847619

Ion Ratio Lower Upper

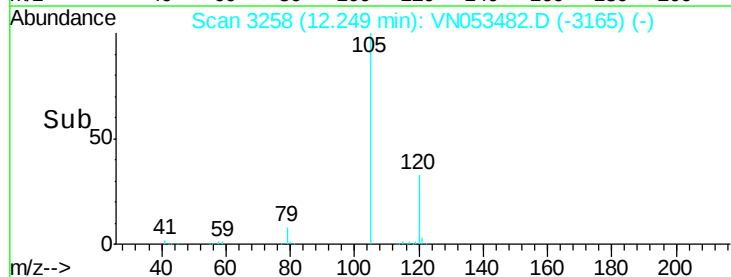
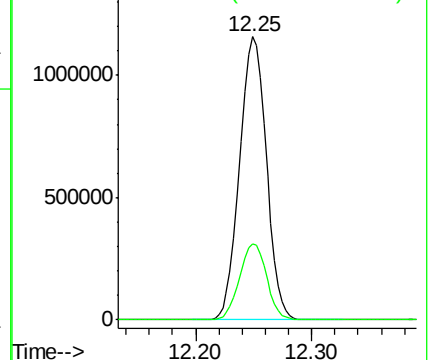
105 100

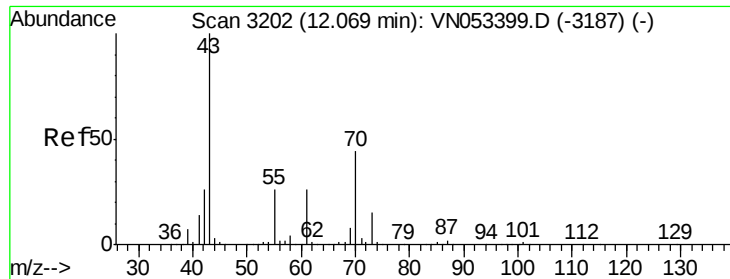
120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 57.223 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

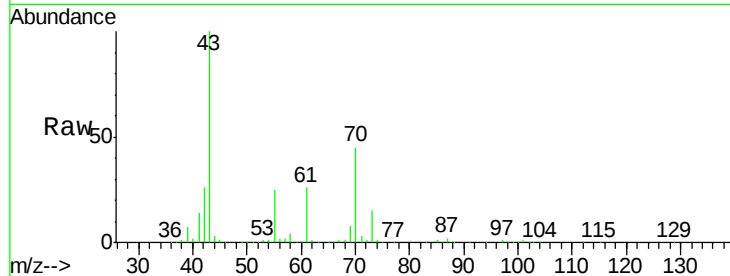
ClientSampleId :

SA-TW521-2327MSD

Tot Ion:	43	Resp:	560962
Ion	Ratio	Lower	Upper
43	100		
70	44.9	35.4	53.2
55	25.7	20.9	31.3
61	25.7	20.5	30.7

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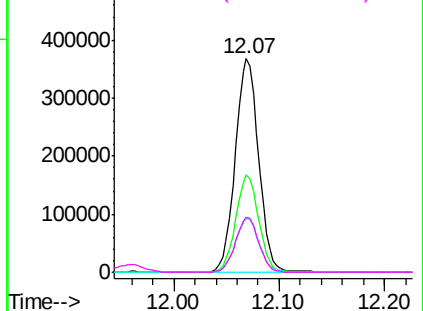


Abundance Ion 43.00 (42.70 to 43.70): VN0

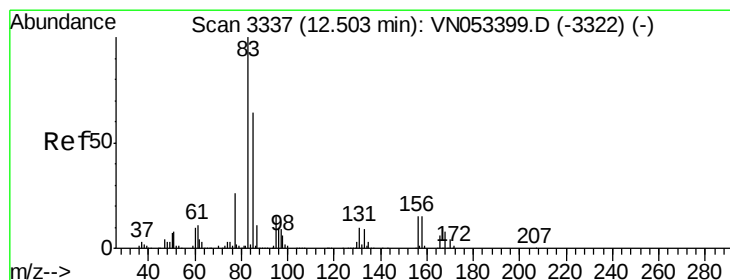
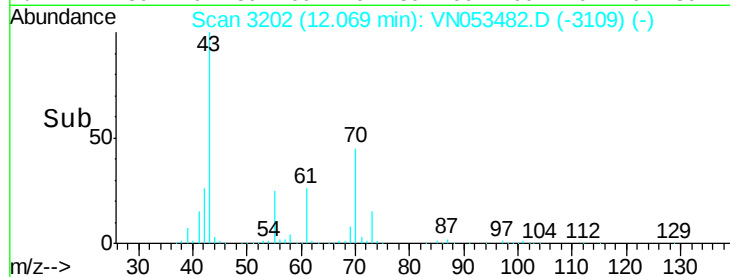
Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



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#75

1,1,2,2-Tetrachloroethane

Concen: 56.851 ug/l

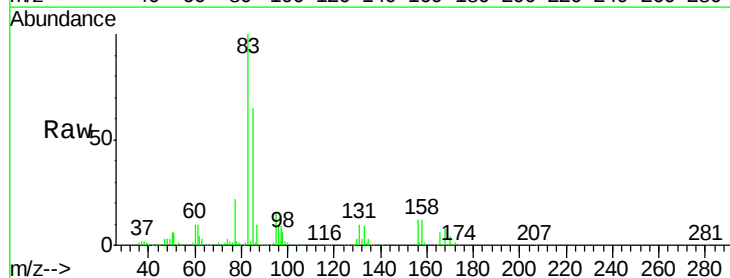
RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

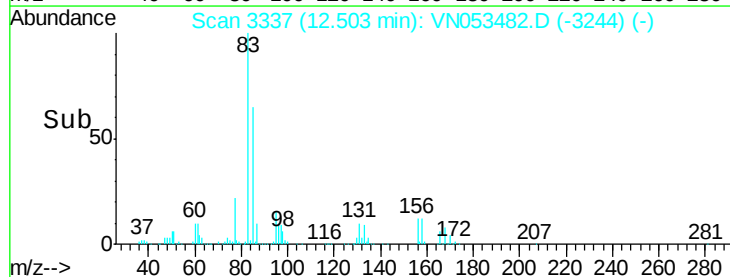
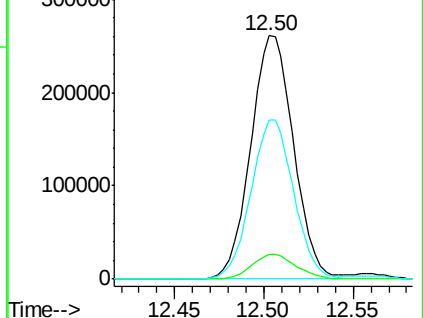
Tgt Ion:	83	Resp:	438461
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.3	15.8
85	64.9	32.1	96.3

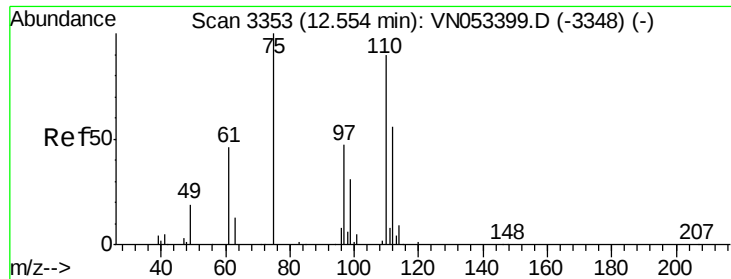


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





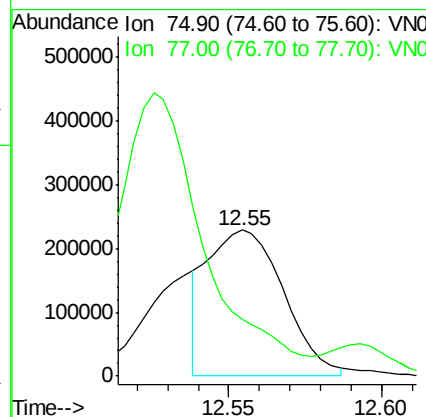
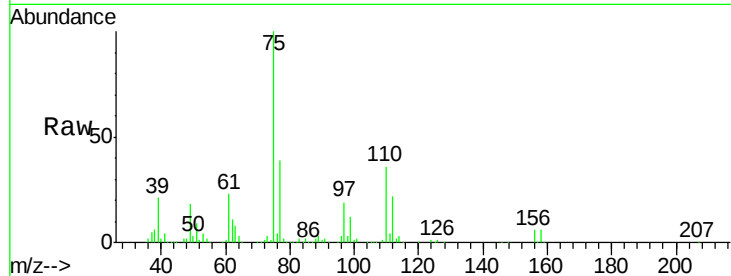
#76
 1,2,3-Trichloropropane
 Concen: 59.576 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

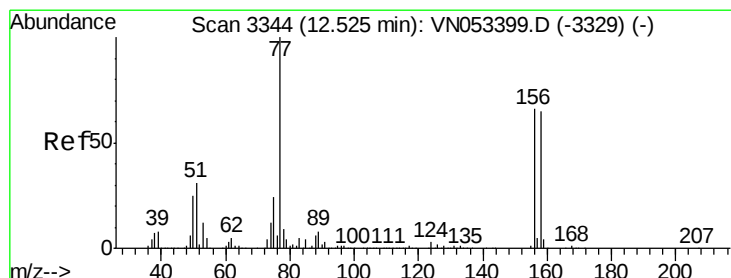
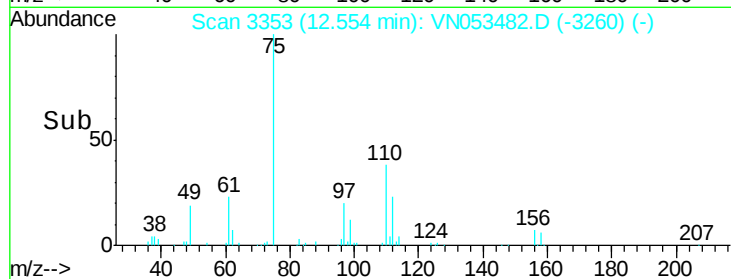
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

Manual Integrations
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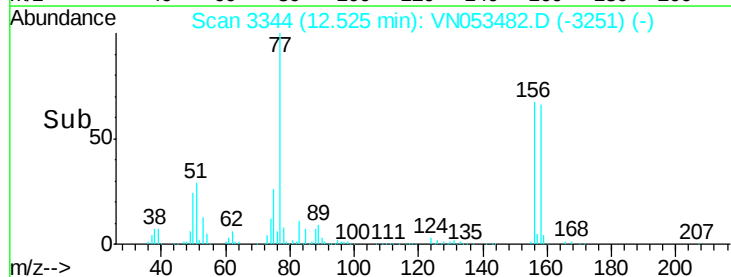
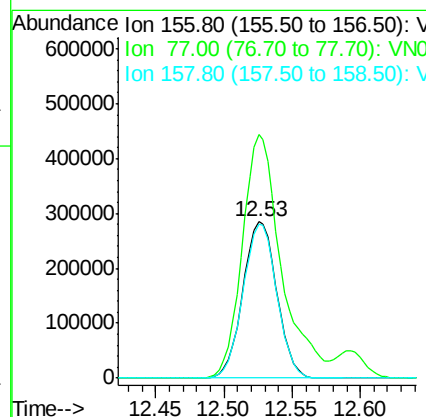
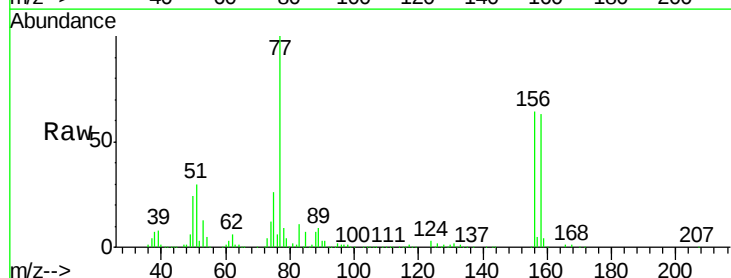


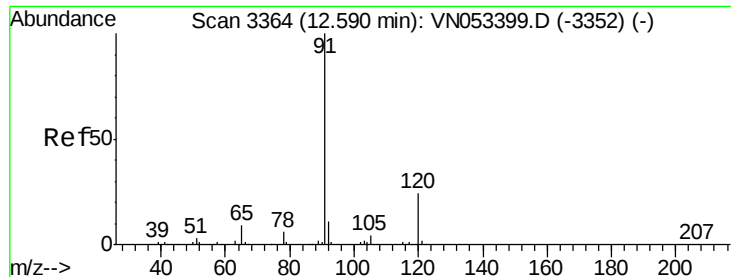
1/21/2019 10:48:38 AM



#77
 Bromobenzene
 Concen: 50.725 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
156	100		
77	179.9	87.9	263.8
158	97.9	48.8	146.4





#78

n-propylbenzene

Concen: 50.382 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 91 Resp: 2126726

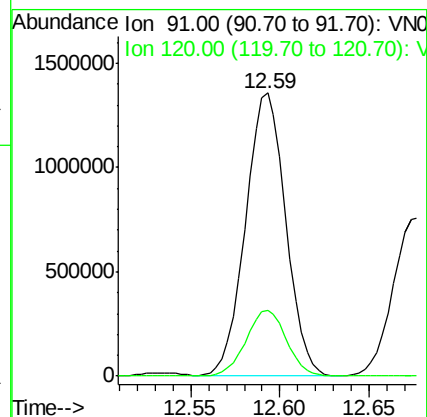
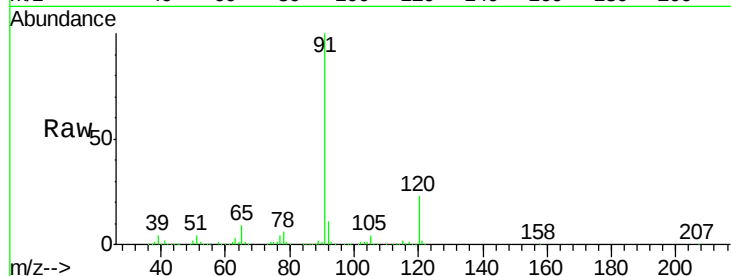
Ion Ratio Lower Upper

91 100

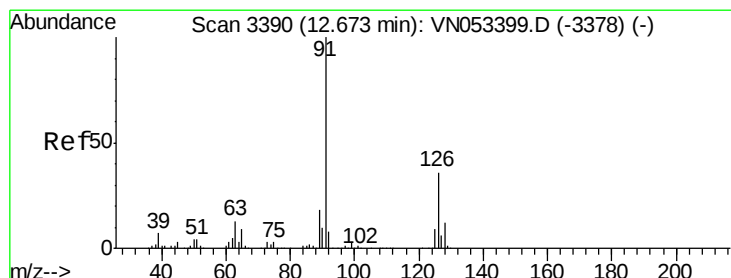
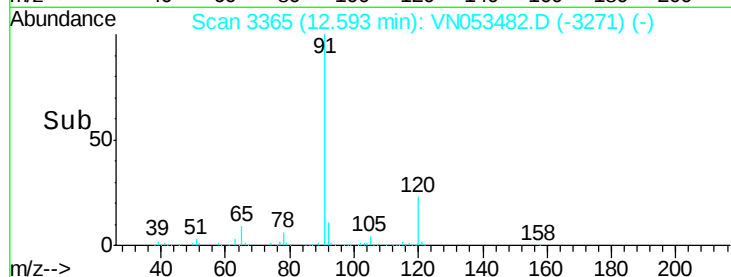
120 23.5 11.9 35.5

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#79

2-Chlorotoluene

Concen: 50.102 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053482.D

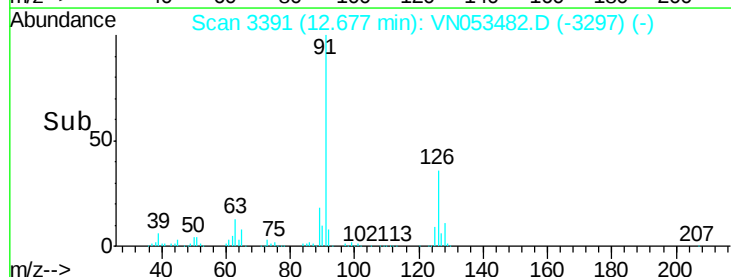
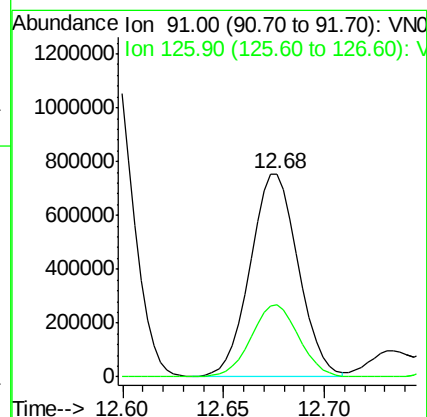
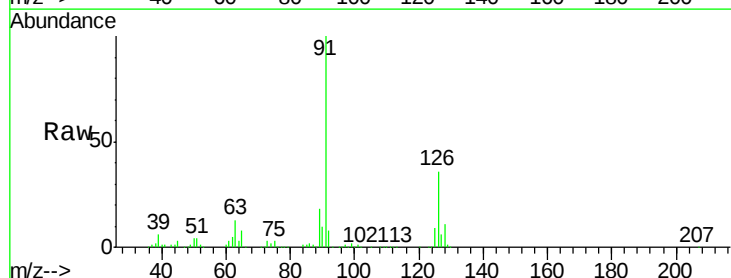
Acq: 18 Jan 2019 19:44

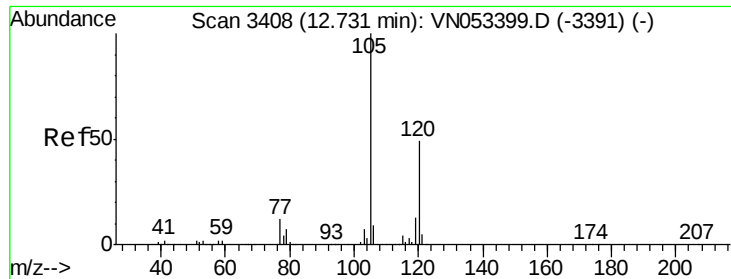
Tgt Ion: 91 Resp: 1253598

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7





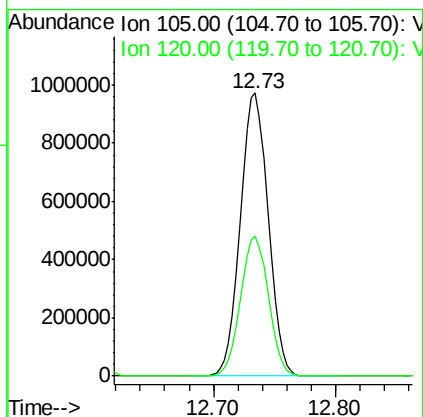
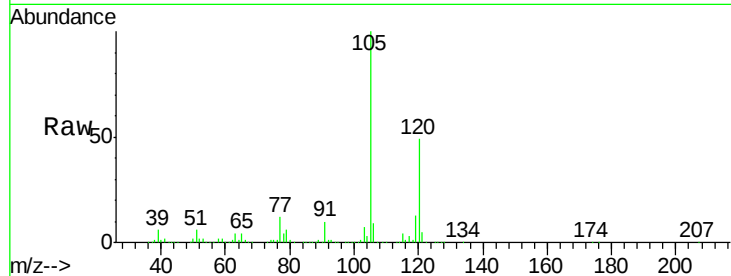
#80
1,3,5-Trimethylbenzene
Concen: 50.991 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

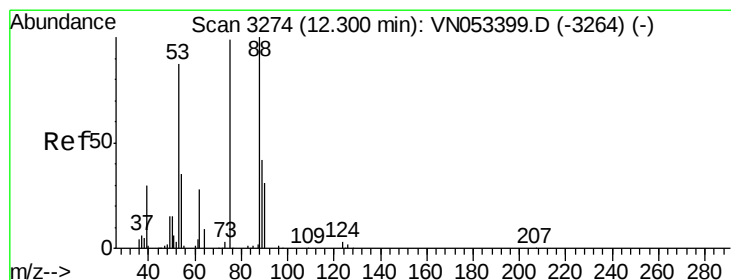
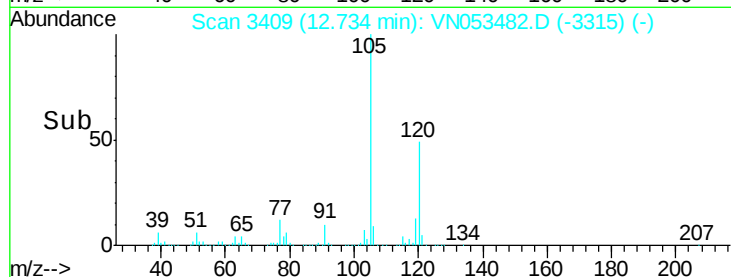
Tot Ion:105 Resp: 1525662
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.6

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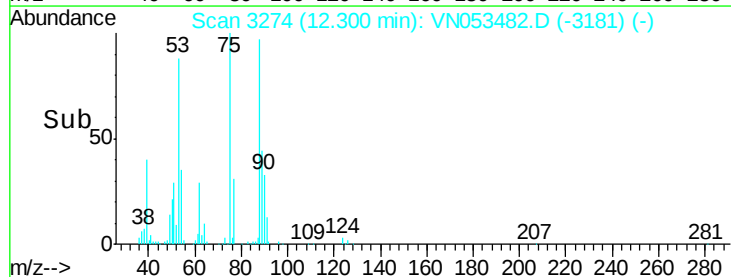
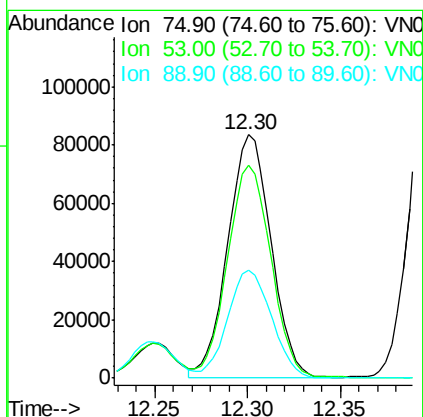
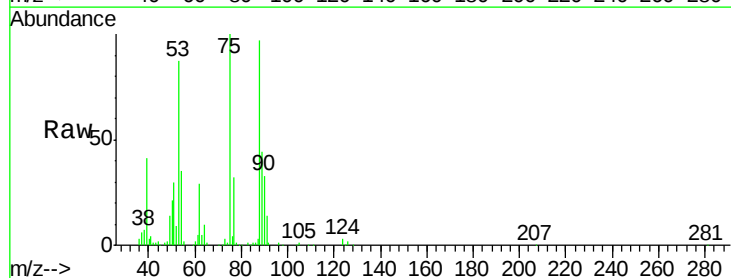


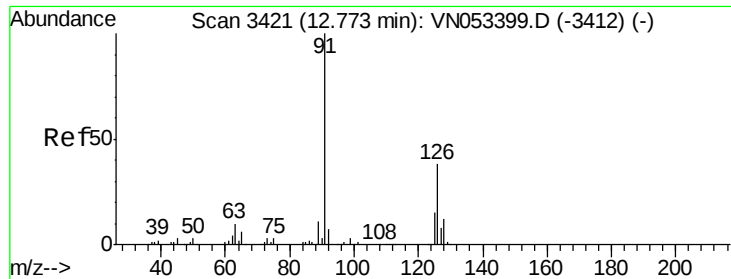
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#81
trans-1,4-Dichloro-2-butene
Concen: 51.814 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 75 Resp: 135738
Ion Ratio Lower Upper
75 100
53 87.8 69.8 104.6
89 45.0 35.6 53.4





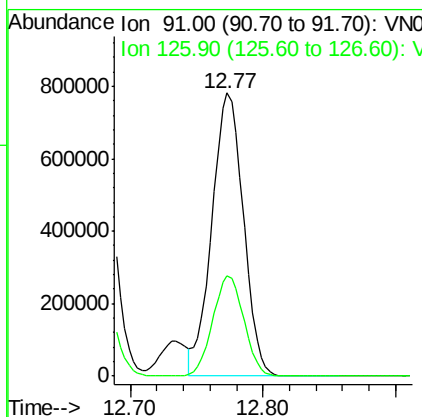
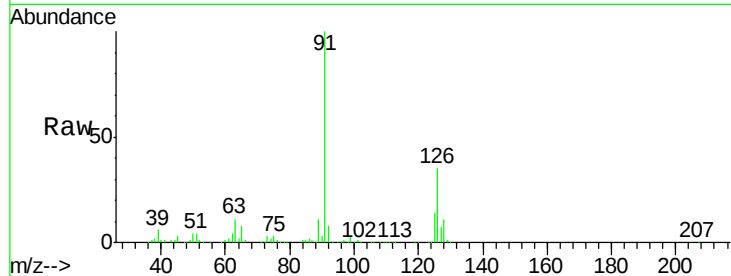
#82
4-Chlorotoluene
Concen: 50.388 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

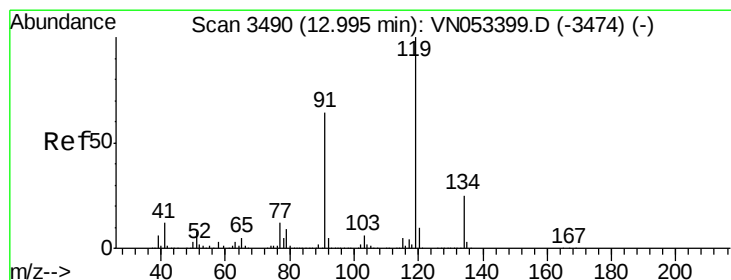
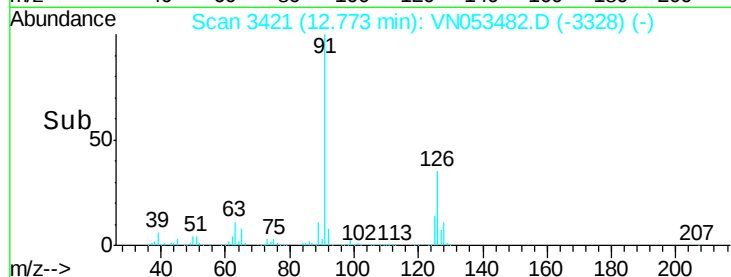
Tot Ion: 91 Resp: 1285695
Ion Ratio Lower Upper
91 100
126 35.0 17.6 52.9

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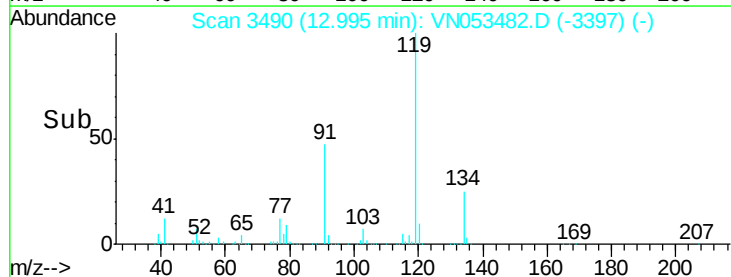
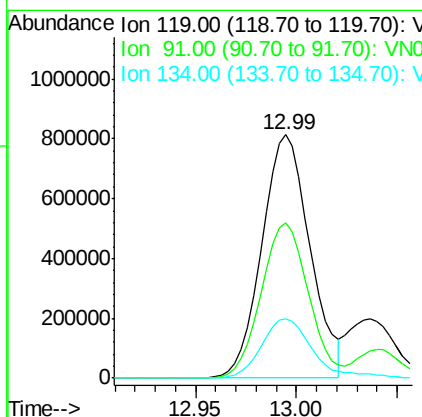
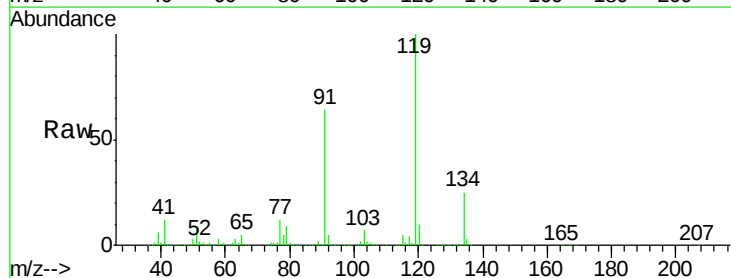


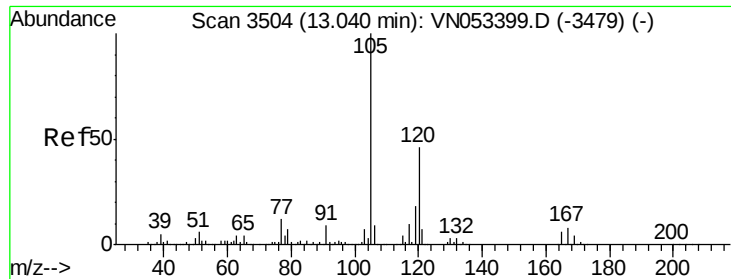
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#83
tert-Butylbenzene
Concen: 51.092 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 119 Resp: 1350175
Ion Ratio Lower Upper
119 100
91 62.8 31.3 93.8
134 25.9 12.9 38.7





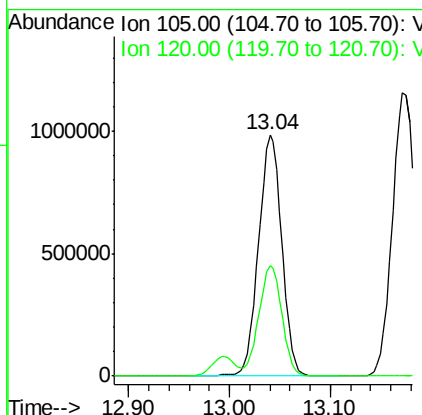
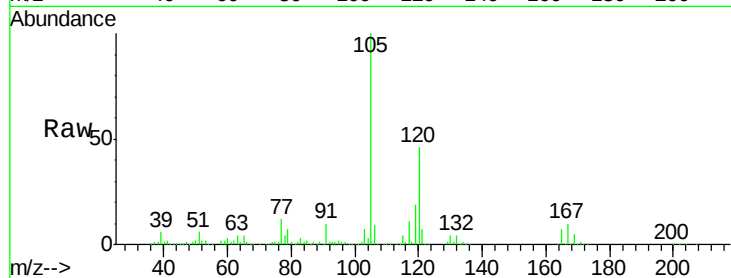
#84
 1,2,4-Trimethylbenzene
 Concen: 51.958 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

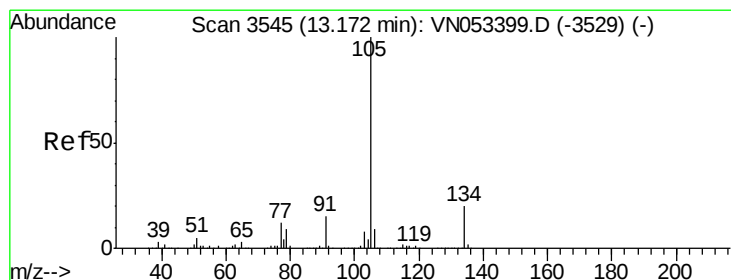
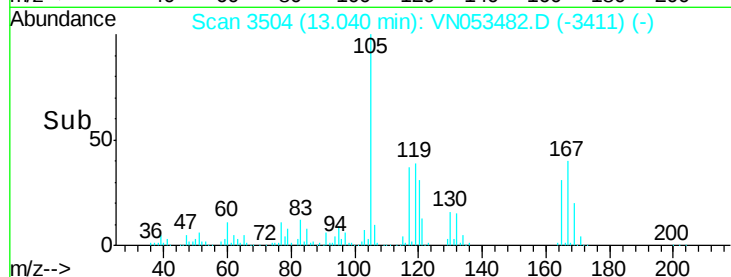
Tot Ion:105 Resp: 1567494
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.0 69.0

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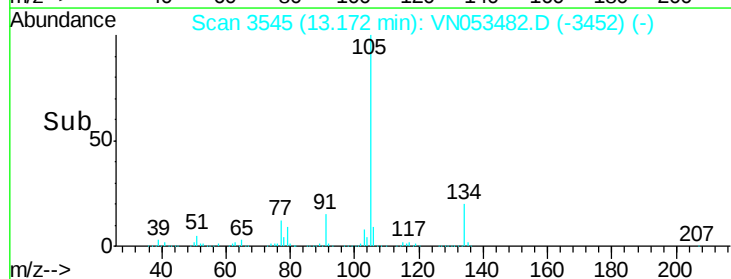
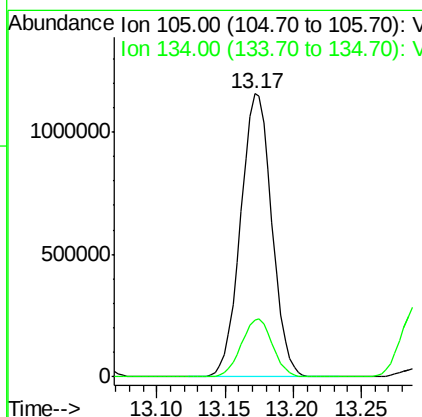
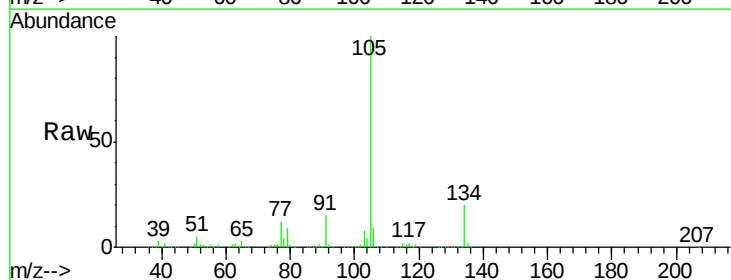


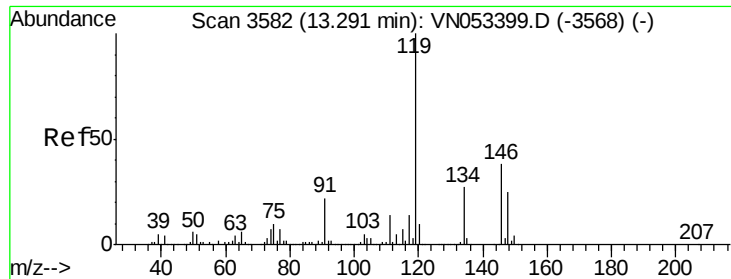
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#85
 sec-Butylbenzene
 Concen: 50.584 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion:105 Resp: 1833256
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6





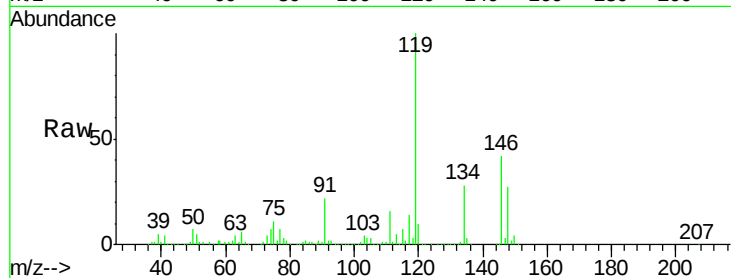
#86
 p-Isopropyltoluene
 Concen: 50.906 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

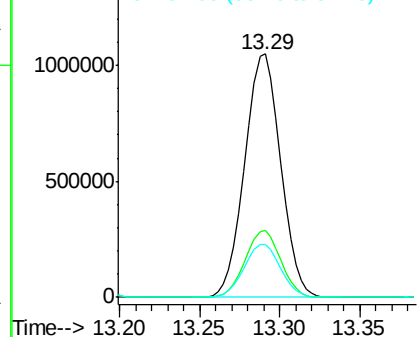
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.4
91	22.0	11.0	33.0

Manual Integrations
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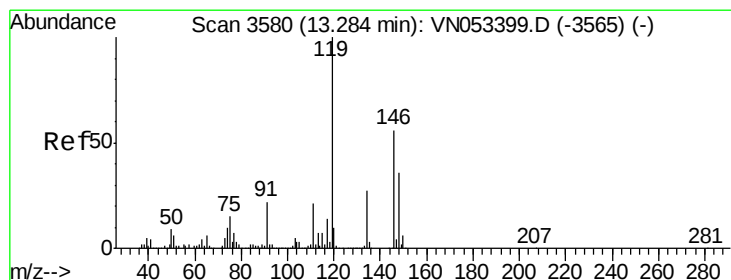
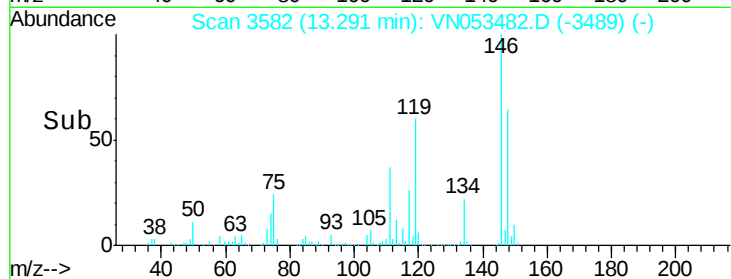
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Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

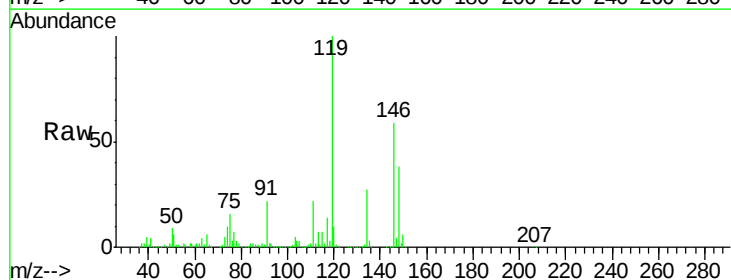


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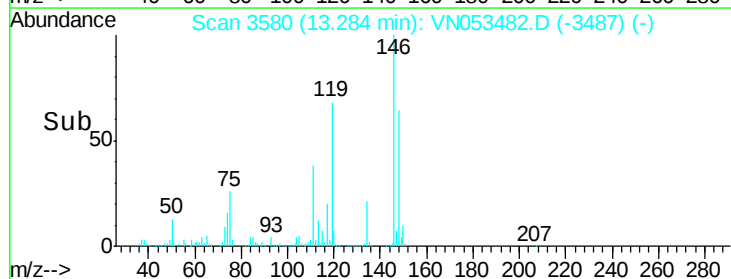
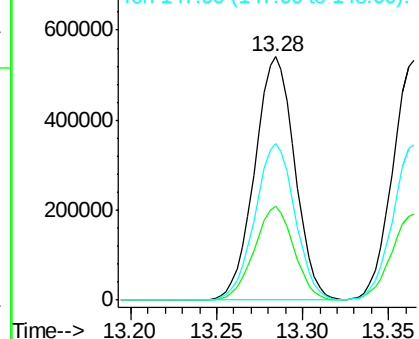


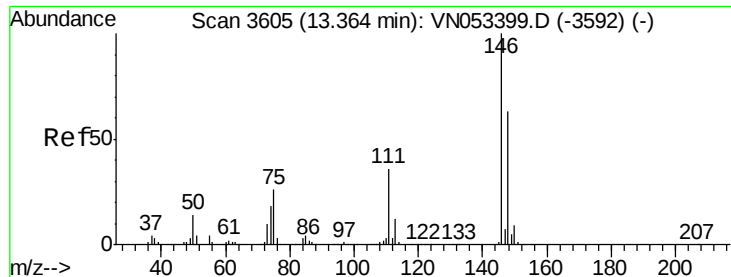
#87
 1,3-Dichlorobenzene
 Concen: 51.220 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.1	32.0	96.2



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





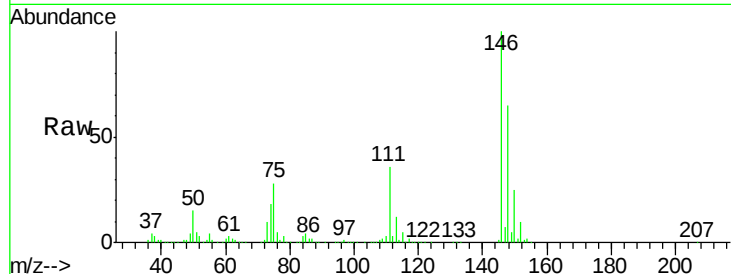
#88
 1,4-Dichlorobenzene
 Concen: 50.736 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	64.2	32.4	97.0

Manual Integrations
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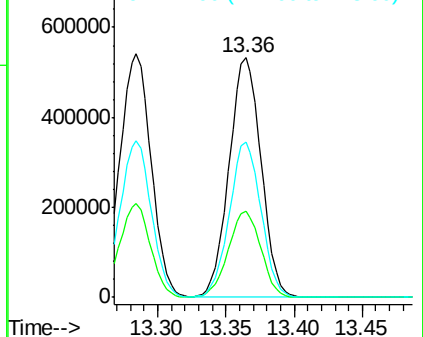


Abundance

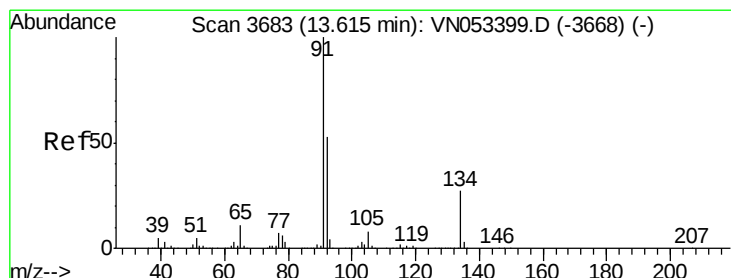
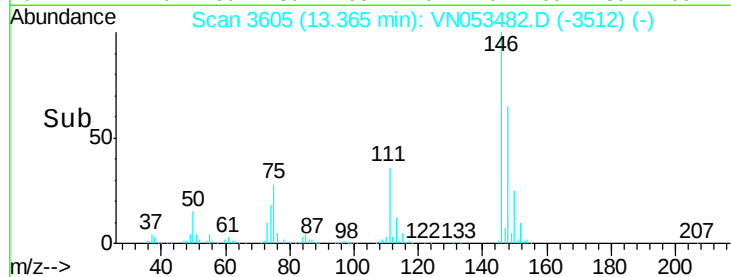
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

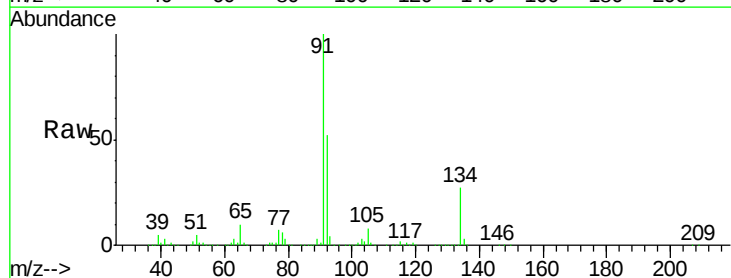


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#89
 n-Butylbenzene
 Concen: 50.330 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	27.1	13.5	40.5

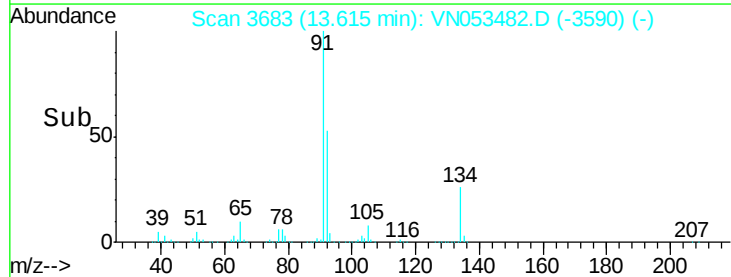
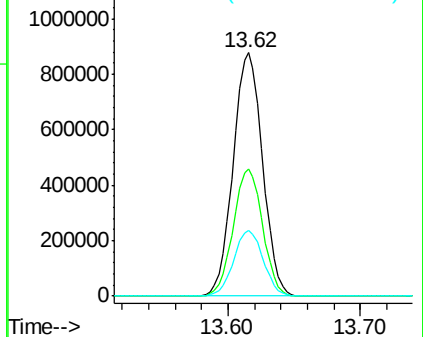


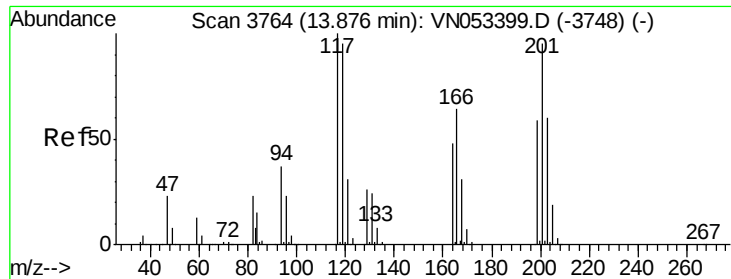
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





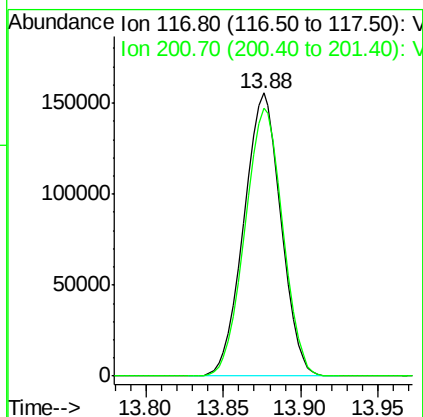
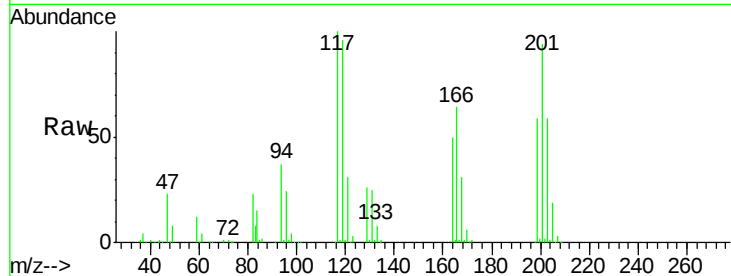
#90
Hexachloroethane
Concen: 52.670 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

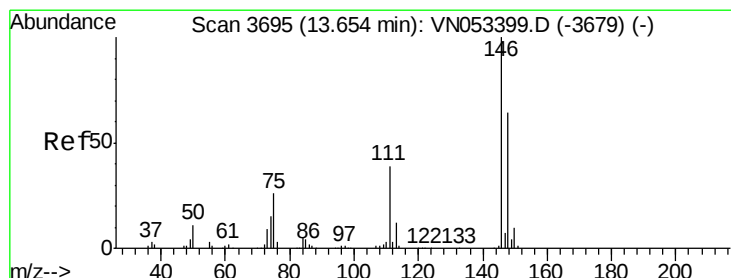
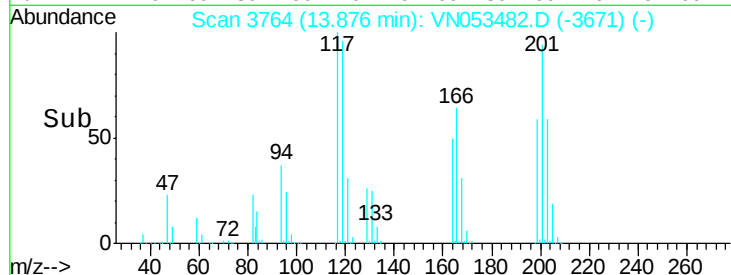
Tot Ion	Ratio	Lower	Upper
117	100		
201	96.3	46.8	140.4

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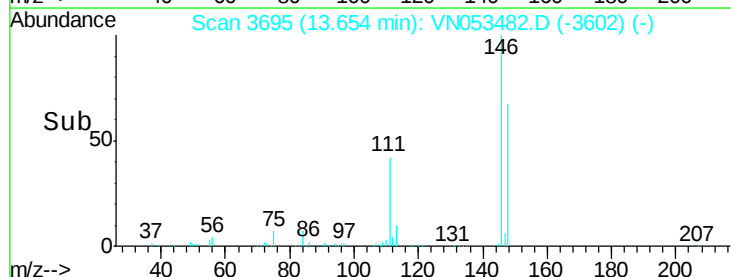
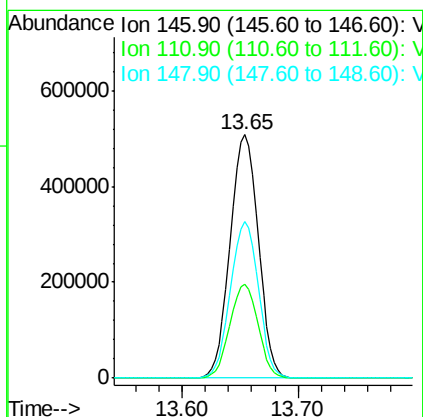
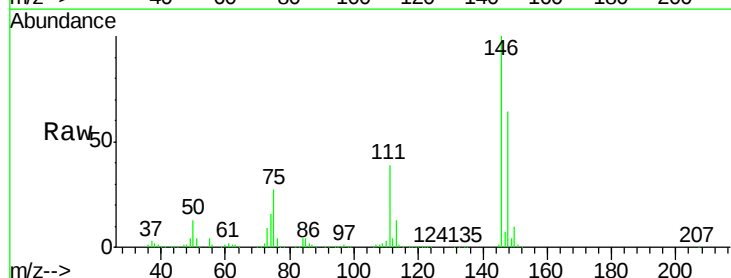


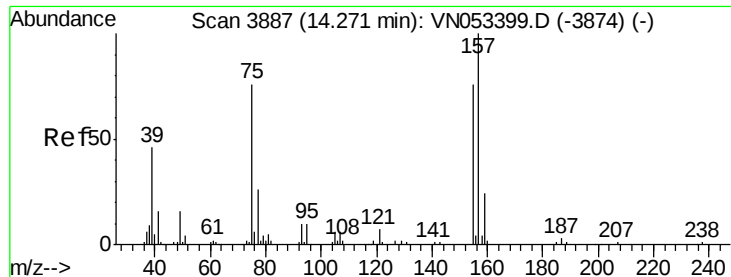
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#91
1,2-Dichlorobenzene
Concen: 54.393 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.1	31.9	95.9





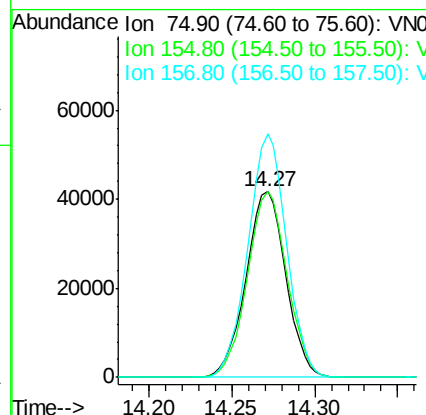
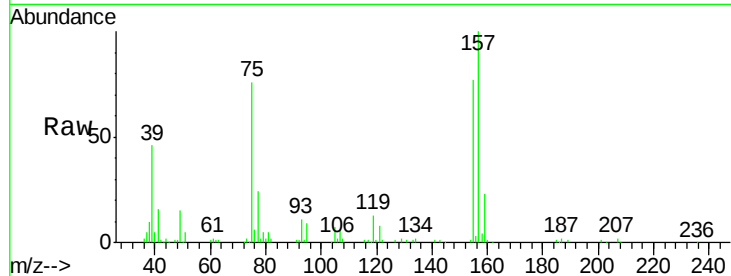
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.356 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

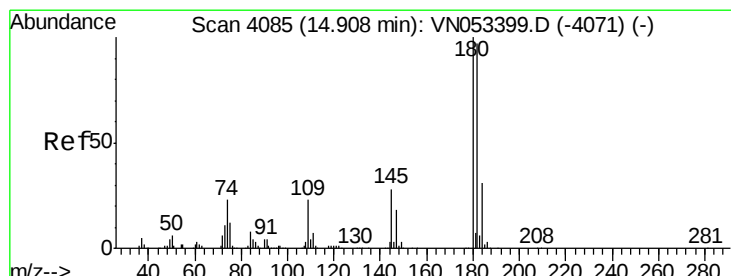
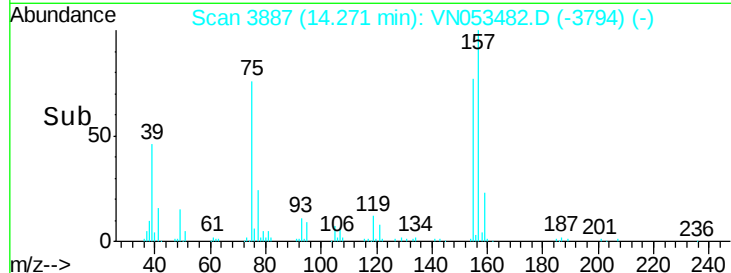
Tot Ion	Ratio	Lower	Upper
75	100		
155	99.4	48.9	146.7
157	126.5	63.7	191.3

Manual Integrations
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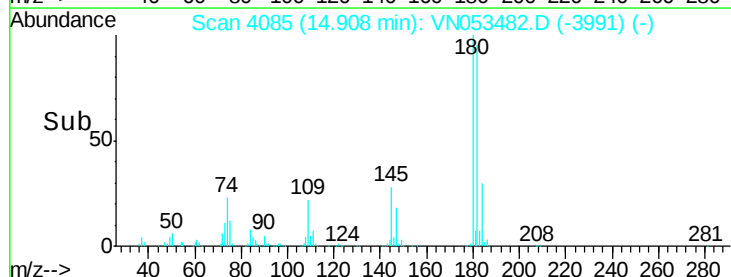
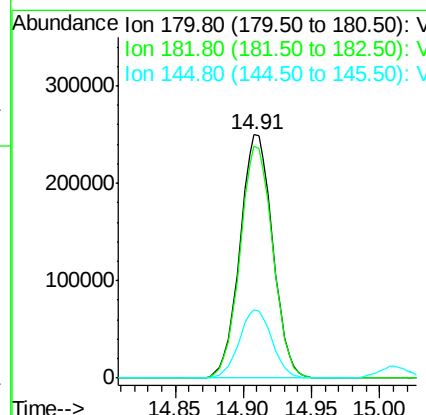
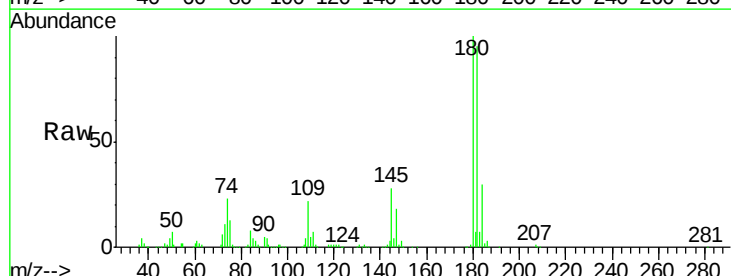


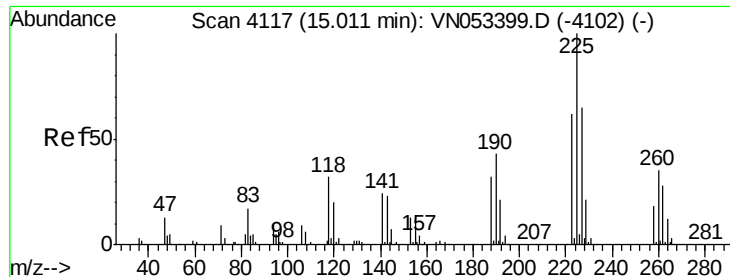
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#93
 1,2,4-Trichlorobenzene
 Concen: 59.525 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.3
145	28.1	13.9	41.6





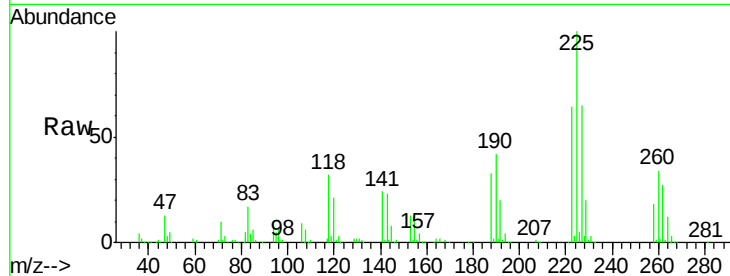
#94
Hexachlorobutadiene
Concen: 52.735 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

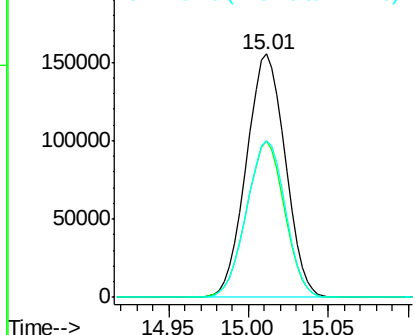
Tot Ion	Ratio	Resp Lower	Upper
225	100		
223	63.0	31.1	93.2
227	64.3	32.0	96.2

Manual Integrations
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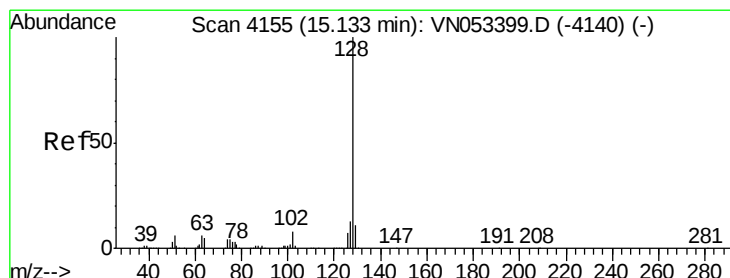
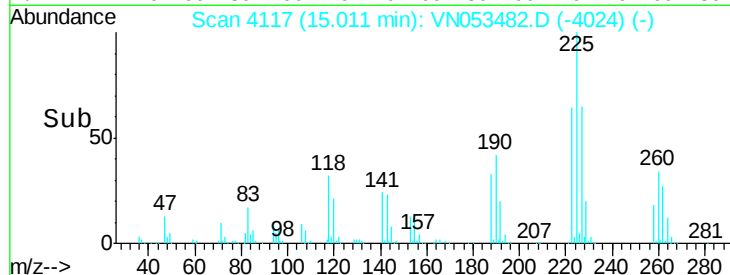
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

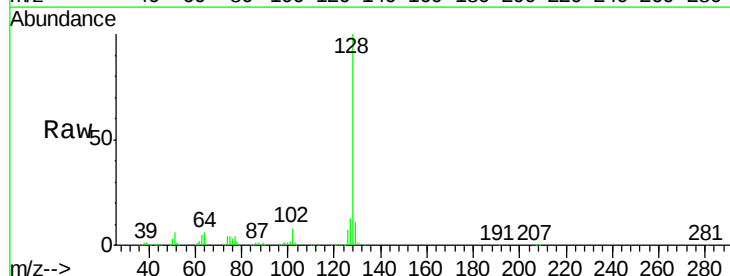


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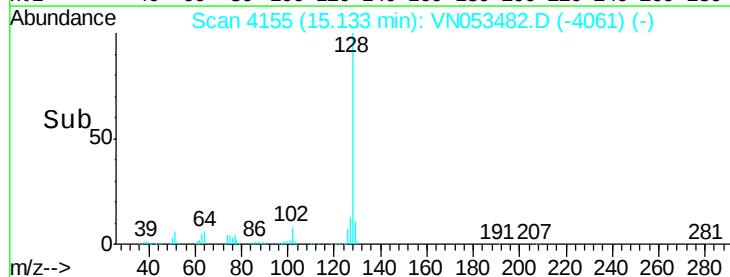
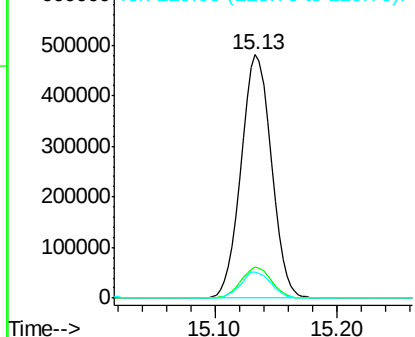


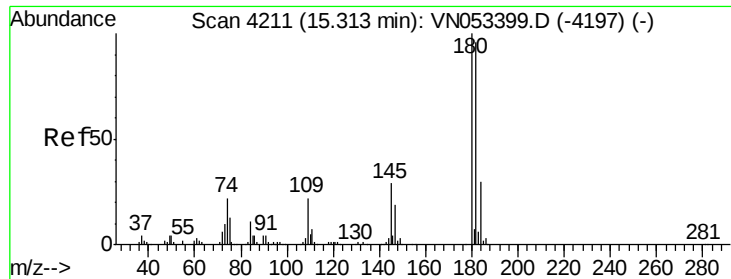
#95
Naphthalene
Concen: 66.320 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





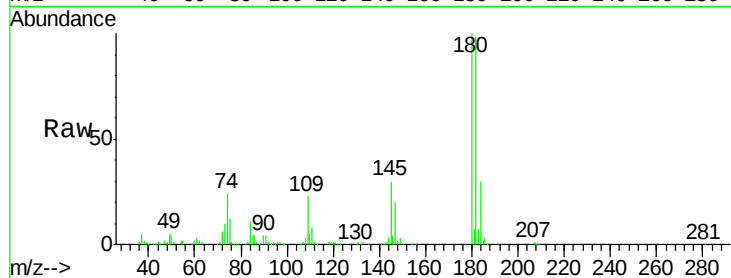
#96
 1,2,3-Trichlorobenzene
 Concen: 64.646 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

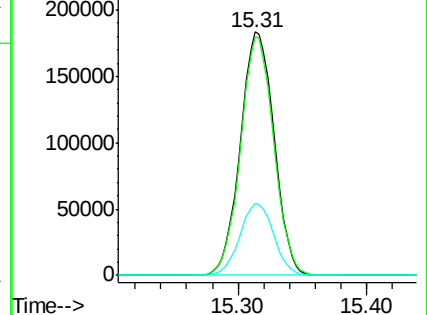
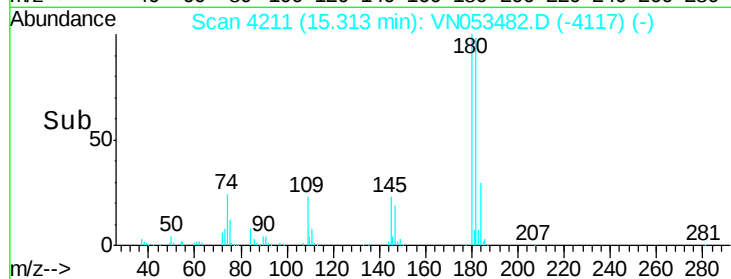
Tot Ion:	180	Resp:	333574
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.8
145	29.6	14.7	44.1

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



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