

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053504.D
 Acq On : 21 Jan 2019 14:04
 Operator : JC/SP
 Sample : VN0121MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:41 AM

Quant Time: Jan 22 04:55:45 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	7.66	168	714097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1074855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	976503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	370451	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.59	113	330250	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.09	98	1341448	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.40	95	467479	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109545	19.080	ug/l	99
3) Chloromethane	2.06	50	153686	18.722	ug/l	99
4) Vinyl Chloride	2.19	62	149021	18.833	ug/l	98
5) Bromomethane	2.55	94	107435	19.788	ug/l	99
6) Chloroethane	2.70	64	93019	19.444	ug/l	98
7) Trichlorofluoromethane	3.02	101	206527	19.954	ug/l	100
8) Diethyl Ether	3.41	74	80032	20.588	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131202	20.016	ug/l	99
10) Methyl Iodide	3.95	142	192274	19.195	ug/l	100
11) Tert butyl alcohol	4.77	59	31077	89.982	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	125085	19.674	ug/l	97
13) Acrolein	3.60	56	57260	99.975	ug/l	98
14) Allyl chloride	4.32	41	207073	20.052	ug/l	99
15) Acrylonitrile	4.98	53	232231	102.173	ug/l	99
16) Acetone	3.81	43	153823	92.890	ug/l	100
17) Carbon Disulfide	4.06	76	349552	18.181	ug/l	99
18) Methyl Acetate	4.32	43	113438	20.332	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	344232	20.378	ug/l	100
20) Methylene Chloride	4.55	84	148691	19.667	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	135303	19.906	ug/l	98
22) Diisopropyl ether	5.95	45	447832	20.773	ug/l	100
23) Vinyl Acetate	5.89	43	1358572	102.516	ug/l	100
24) 1,1-Dichloroethane	5.85	63	257731	20.223	ug/l	99
25) 2-Butanone	6.83	43	250386	98.119	ug/l	100
26) 2,2-Dichloropropane	6.82	77	183138	19.032	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158342	20.372	ug/l	100
28) Bromochloromethane	7.19	49	111370	19.836	ug/l	100
29) Tetrahydrofuran	7.21	42	166254	100.076	ug/l	99
30) Chloroform	7.37	83	256873	20.687	ug/l	99
31) Cyclohexane	7.65	56	239030	19.134	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	211507	20.080	ug/l	98
36) 1,1-Dichloropropene	7.79	75	196637	20.088	ug/l	99
37) Ethyl Acetate	6.92	43	111629	19.821	ug/l	98
38) Carbon Tetrachloride	7.77	117	183094	19.757	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	229711	18.986	ug/l	99
40) Benzene	8.04	78	600722	20.195	ug/l	98
41) Methacrylonitrile	7.17	41	65067	19.851	ug/l	96
42) 1,2-Dichloroethane	8.12	62	176563	20.374	ug/l	99
43) Isopropyl Acetate	8.16	43	207358	20.476	ug/l	99
44) Trichloroethene	8.83	130	167618	20.319	ug/l	98
45) 1,2-Dichloropropane	9.12	63	156824	19.904	ug/l	100
46) Dibromomethane	9.21	93	91126	20.131	ug/l	99
47) Bromodichloromethane	9.40	83	189762	19.934	ug/l	98
48) Methyl methacrylate	9.20	41	104231	19.935	ug/l	99
49) 1,4-Dioxane	9.20	88	17440	341.532	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	571473	103.376	ug/l	99
52) Toluene	10.15	92	369626	20.015	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	190156	19.707	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	226479	20.022	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	131453	20.646	ug/l	98
56) Ethyl methacrylate	10.43	69	162942	19.349	ug/l	100
57) 1,3-Dichloropropane	10.71	76	226600	20.574	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	450953	101.243	ug/l	100
59) 2-Hexanone	10.75	43	379973	97.915	ug/l	100
60) Dibromochloromethane	10.90	129	144305	19.983	ug/l	99
61) 1,2-Dibromoethane	11.00	107	129948	20.181	ug/l	100
64) Tetrachloroethene	10.63	164	188255	20.457	ug/l	99
65) Chlorobenzene	11.43	112	415678	20.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144638	20.115	ug/l	99
67) Ethyl Benzene	11.51	91	694561	19.718	ug/l	99
68) m/p-Xylenes	11.62	106	545645	41.027	ug/l	99
69) o-Xylene	11.95	106	266815	20.646	ug/l	97
70) Styrene	11.96	104	427903	20.402	ug/l	99
71) Bromoform	12.13	173	98582	19.914	ug/l #	99
73) Isopropylbenzene	12.25	105	696948	19.582	ug/l	100
74) N-amyl acetate	12.07	43	185711	19.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143823	19.268	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128047m	19.992	ug/l	
77) Bromobenzene	12.52	156	185856	19.817	ug/l	98
78) n-propylbenzene	12.59	91	808118	19.780	ug/l	99
79) 2-Chlorotoluene	12.67	91	481479	19.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	579892	20.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42759	18.573	ug/l	95
82) 4-Chlorotoluene	12.77	91	486726	19.709	ug/l	99
83) tert-Butylbenzene	12.99	119	516271	20.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	589514	20.190	ug/l	99
85) sec-Butylbenzene	13.17	105	701816	20.008	ug/l	100
86) p-Isopropyltoluene	13.29	119	610929	20.059	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334048	20.249	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324939	19.636	ug/l	99
89) n-Butylbenzene	13.61	91	504521	19.433	ug/l	100
90) Hexachloroethane	13.87	117	92361	19.336	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	321090	21.156	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20597	21.762	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133254	21.564	ug/l	98
94) Hexachlorobutadiene	15.01	225	104964	22.170	ug/l	99
95) Naphthalene	15.13	128	220960	21.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	97631	22.273	ug/l	98

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

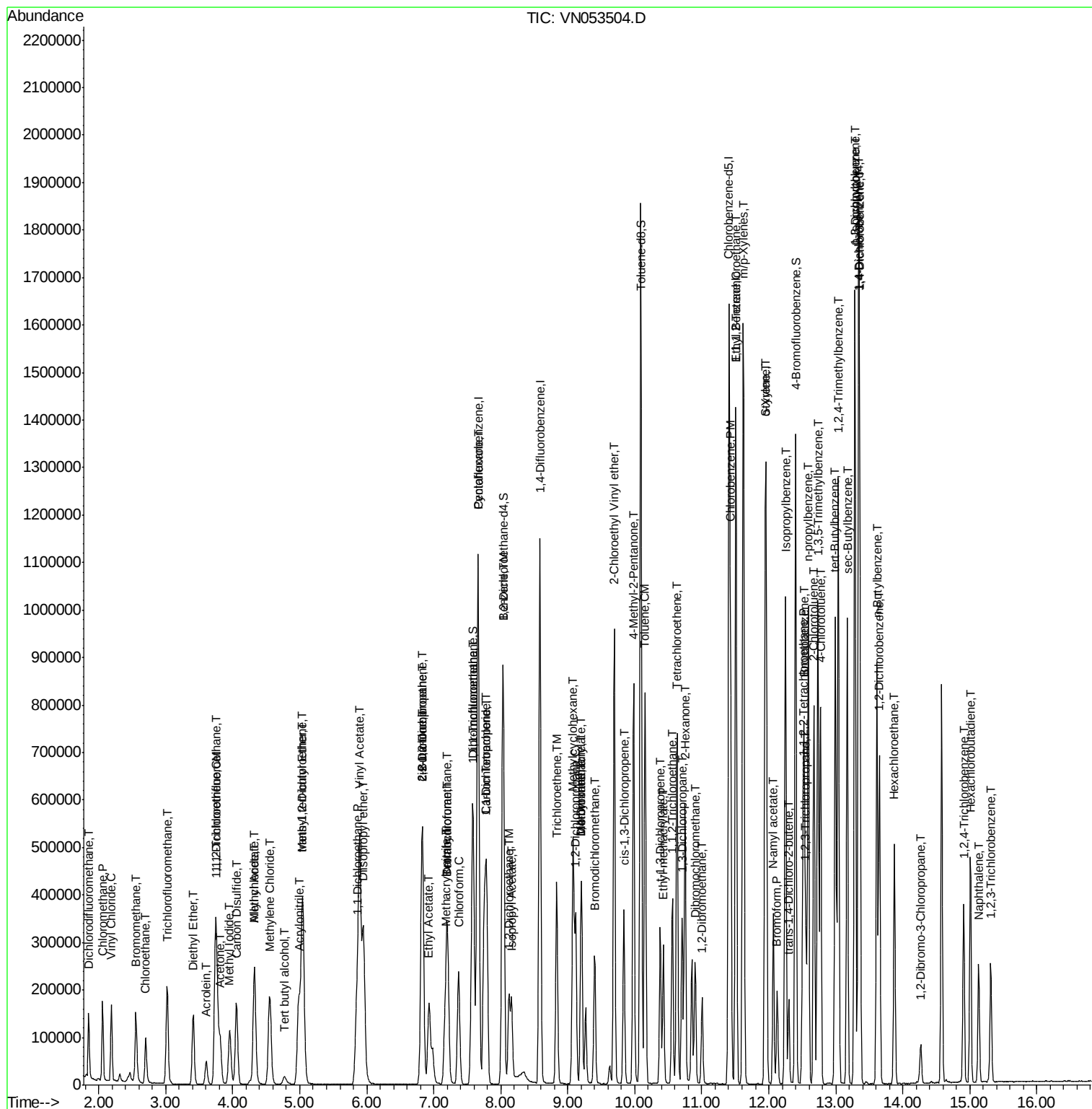
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Data File : VN053504.D
Acq On : 21 Jan 2019 14:04
Operator : JC/SP
Sample : VN0121MBS01
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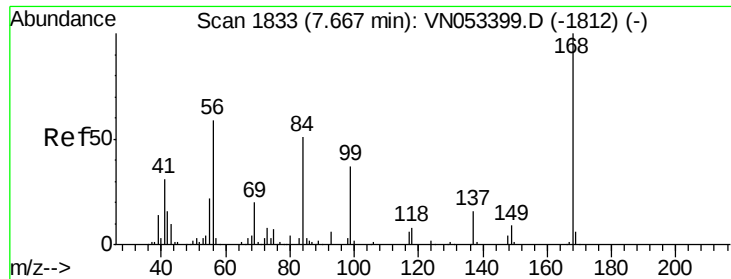
Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion:168 Resp: 714097

Ion Ratio Lower Upper

168 100

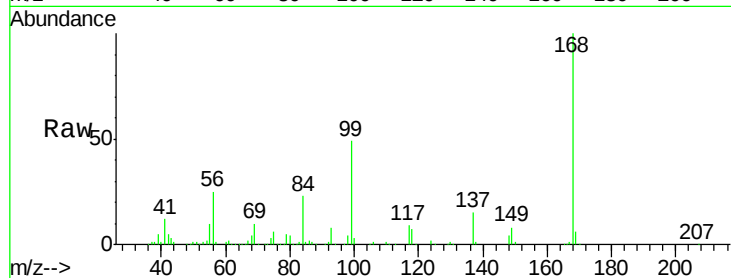
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Manual Integrations

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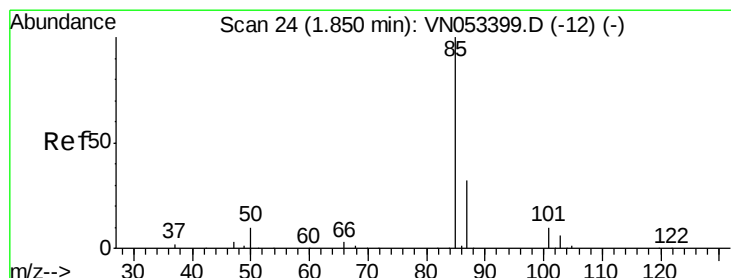
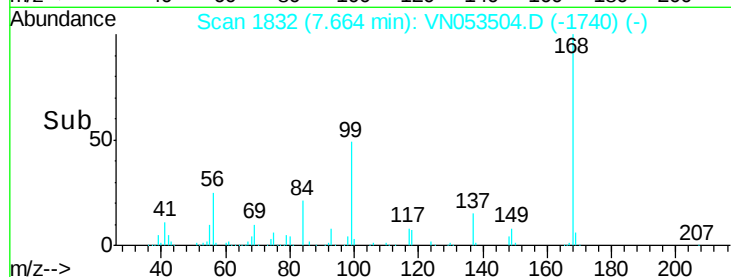
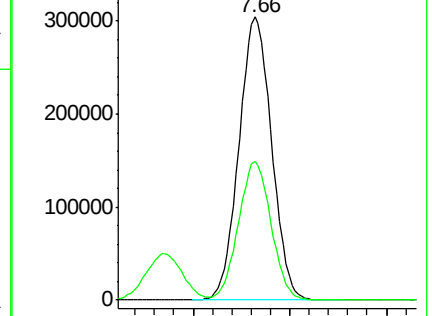
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.080 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053504.D

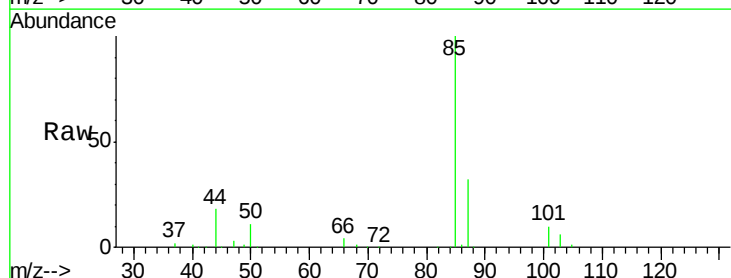
Acq: 21 Jan 2019 14:04

Tgt Ion: 85 Resp: 109545

Ion Ratio Lower Upper

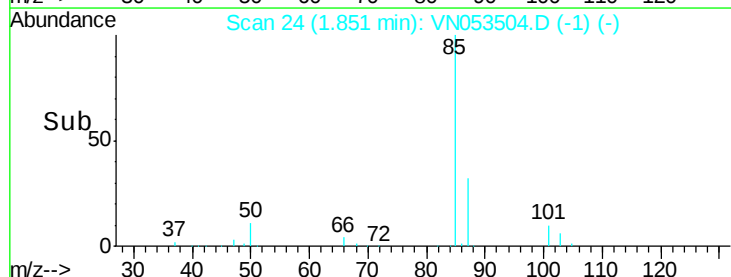
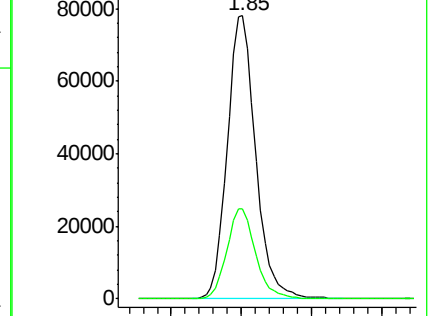
85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.722 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 50 Resp: 153686

Ion Ratio Lower Upper

50 100

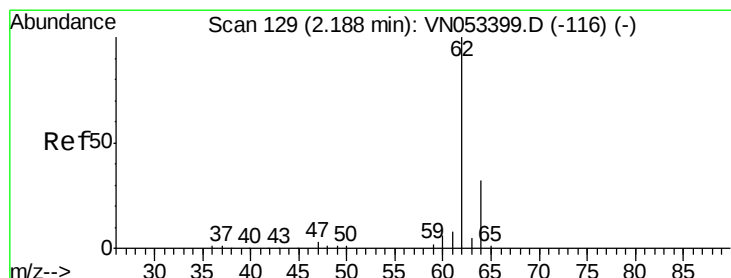
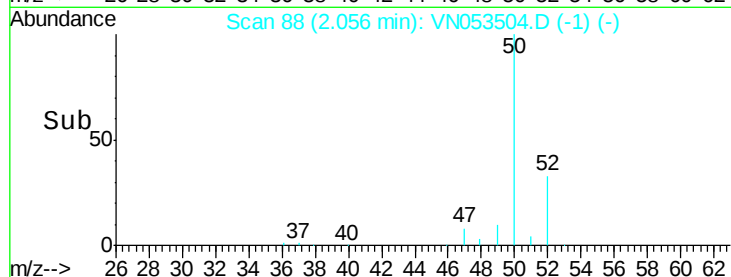
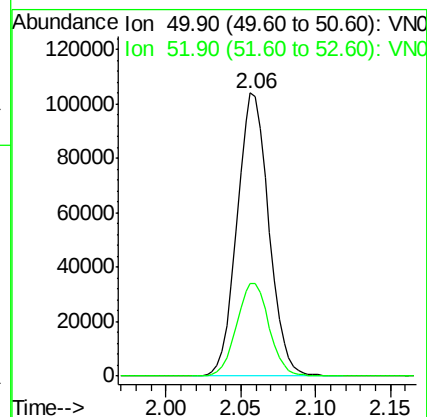
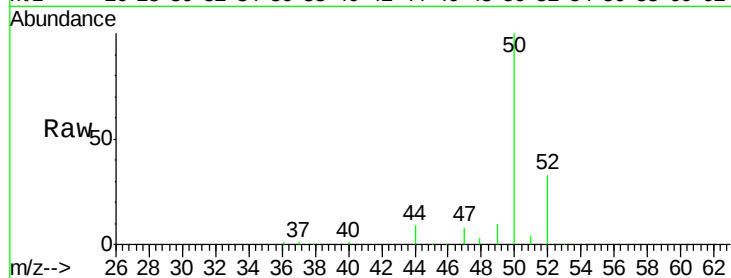
52 32.8 26.6 40.0

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#4

Vinyl Chloride

Concen: 18.833 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053504.D

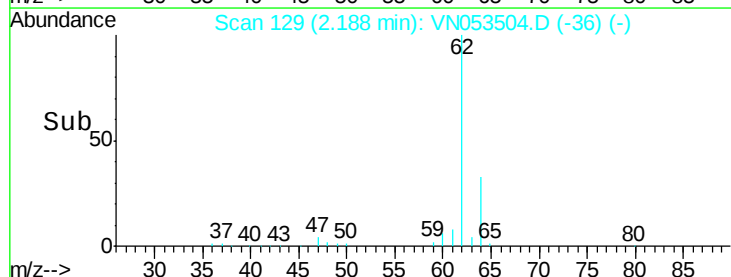
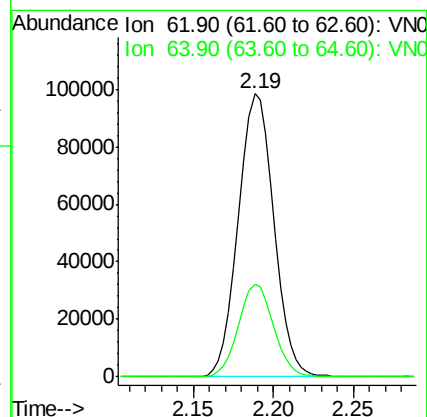
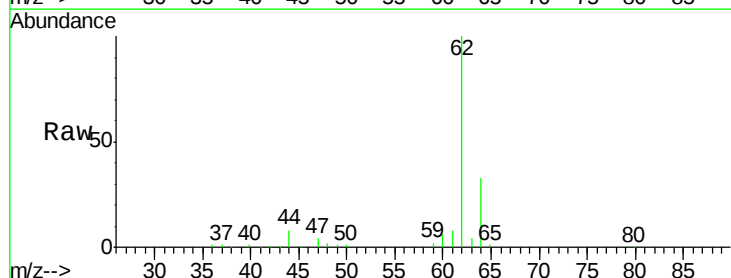
Acq: 21 Jan 2019 14:04

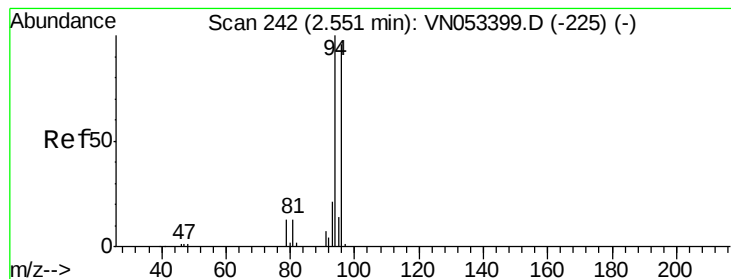
Tgt Ion: 62 Resp: 149021

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 19.788 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 107435

Ion Ratio Lower Upper

94 100

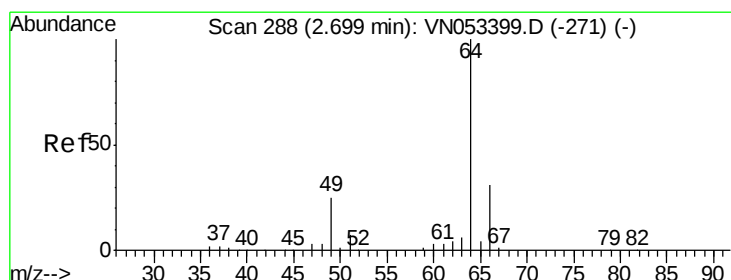
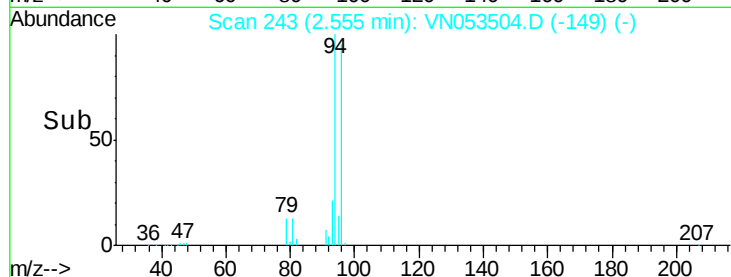
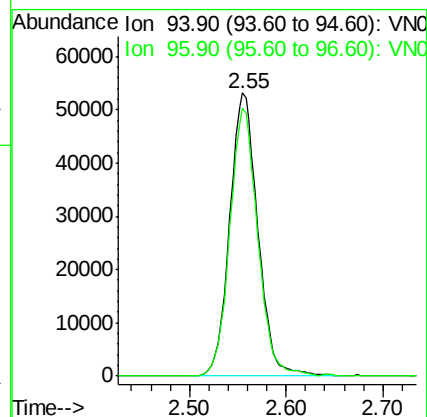
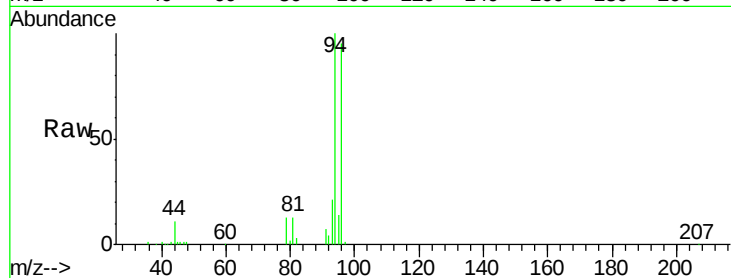
96 94.7 76.8 115.2

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#6

Chloroethane

Concen: 19.444 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN053504.D

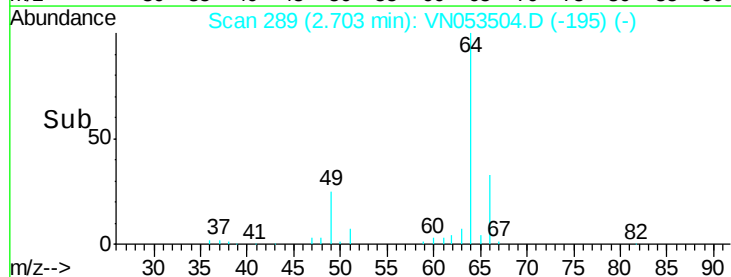
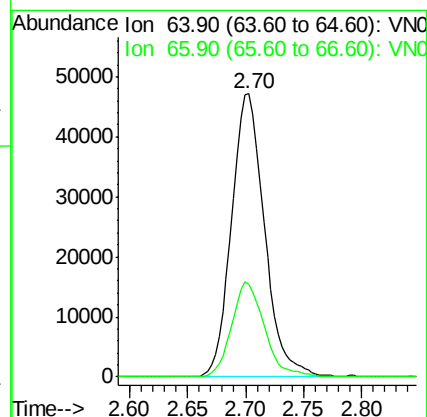
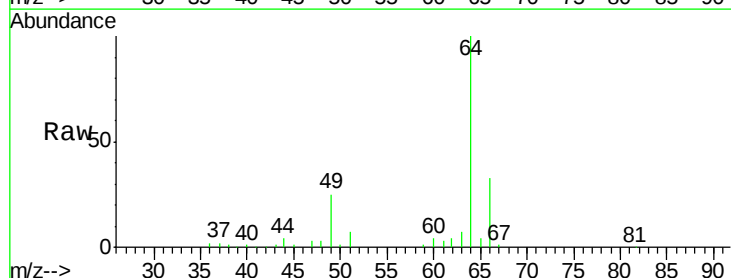
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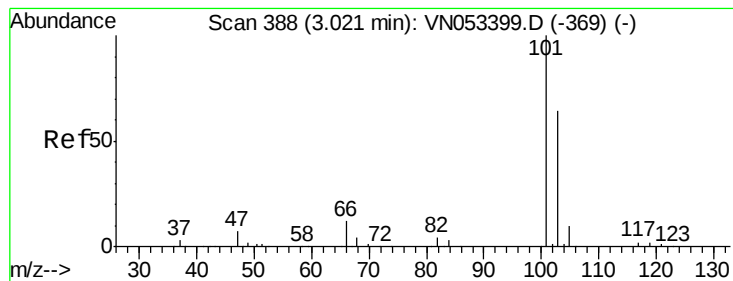
Tgt Ion: 64 Resp: 93019

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





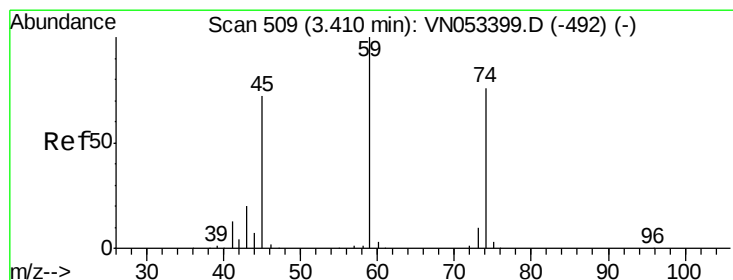
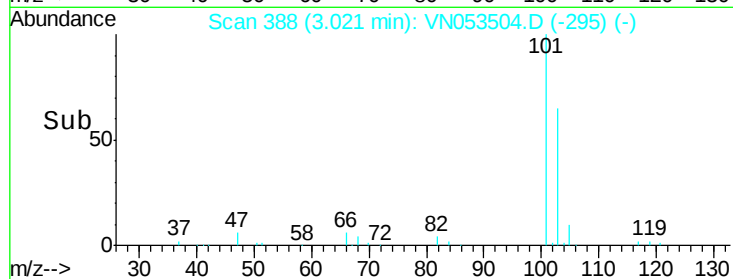
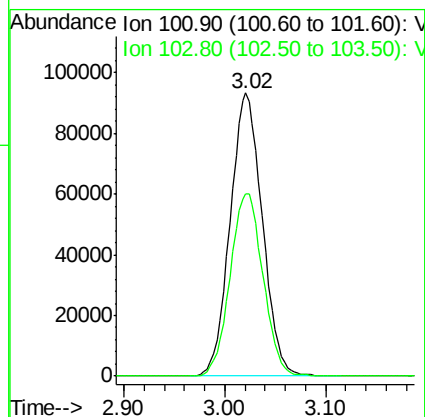
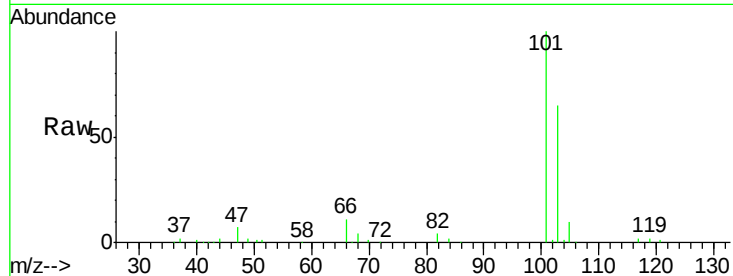
#7
 Trichlorofluoromethane
 Concen: 19.954 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 206527
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4

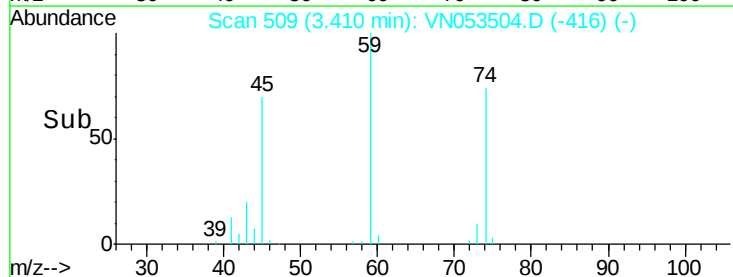
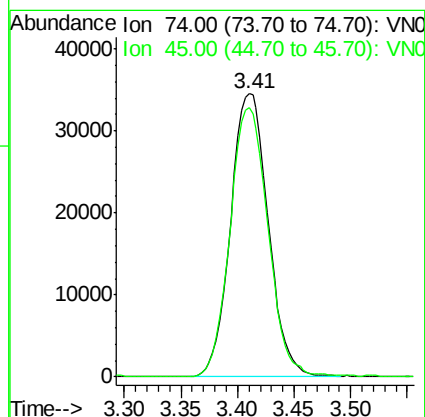
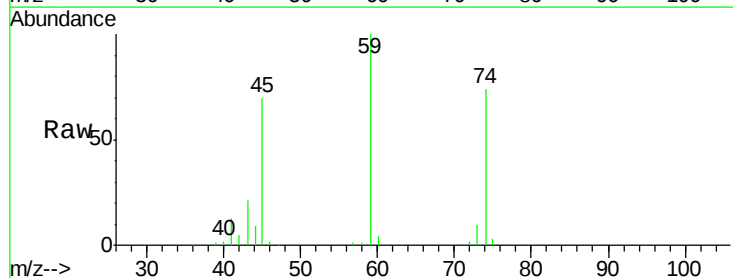
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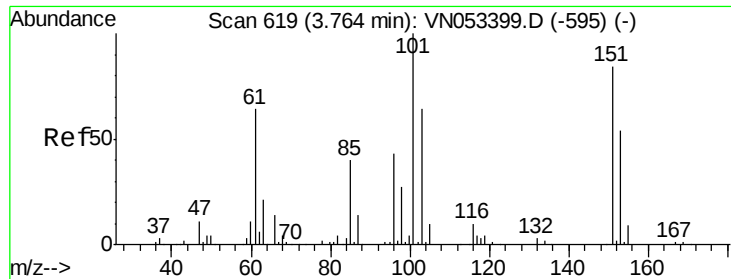
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#8
 Diethyl Ether
 Concen: 20.588 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053504.D
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Tgt Ion: 74 Resp: 80032
 Ion Ratio Lower Upper
 74 100
 45 96.2 47.9 143.7





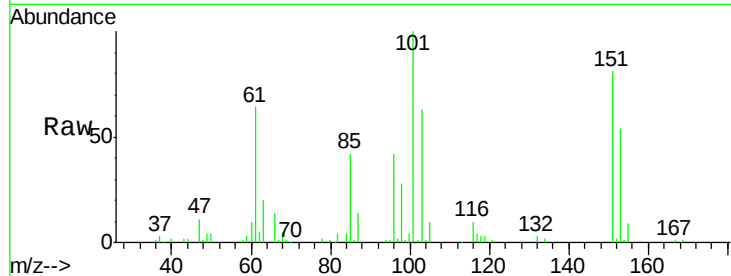
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 1,1,2-Trichlorotrifluoroethane
 Concen: 20.016 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	131202		
85	42.3	32.8	49.2	
151	83.7	66.9	100.3	

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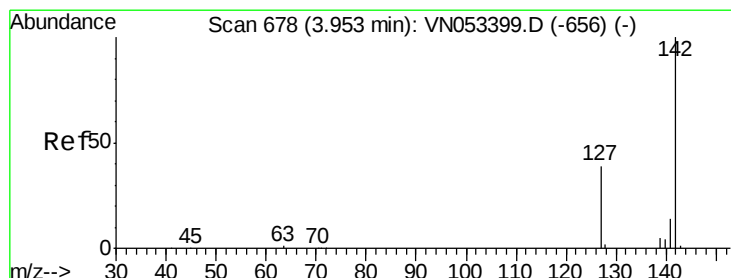
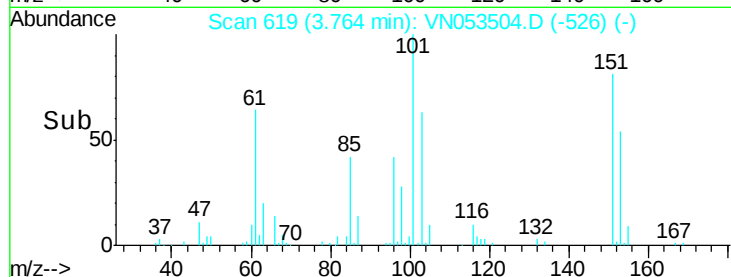
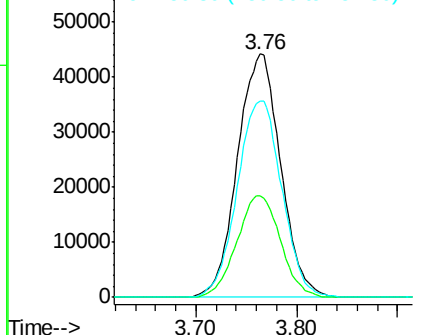


Abundance

Ion 100.90 (100.60 to 101.60): V

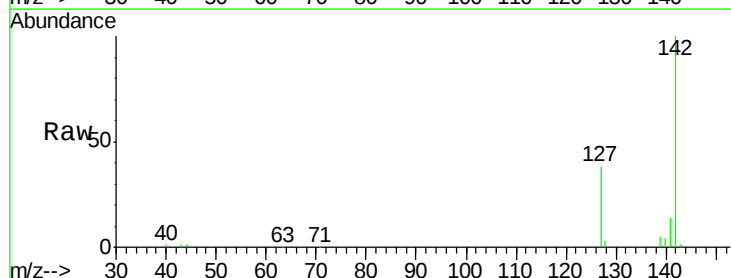
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 19.195 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	192274		
127	38.7	31.0	46.4	
141	13.8	11.1	16.7	

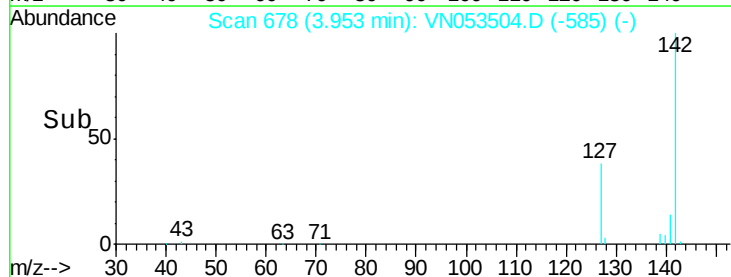
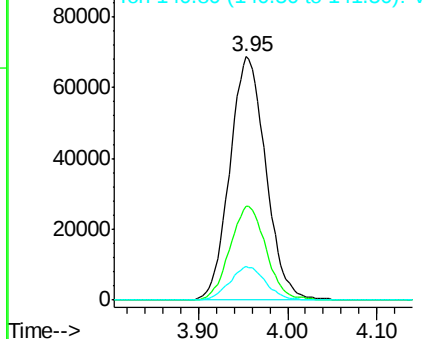


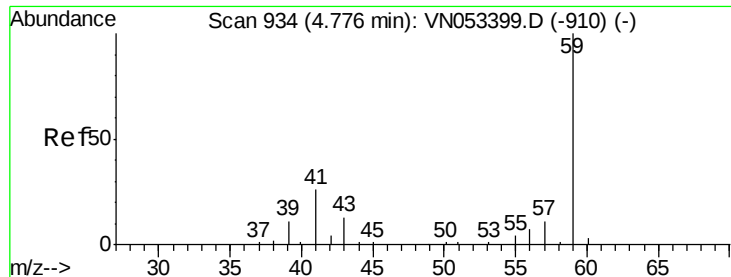
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

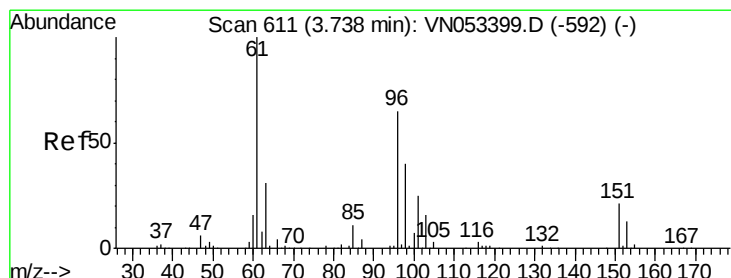
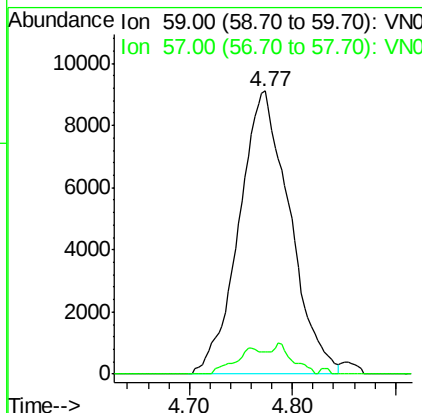
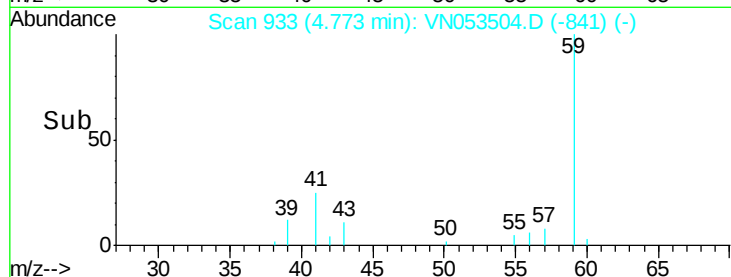
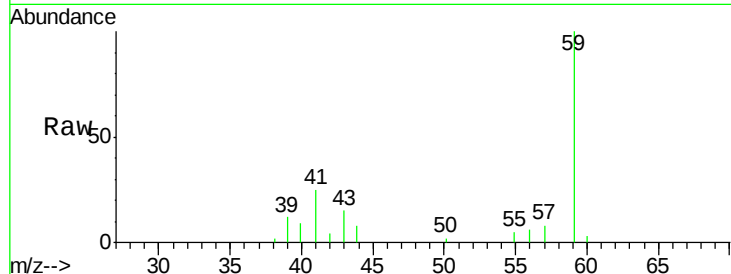
Tert butyl alcohol
 Concen: 89.982 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

Manual Integrations
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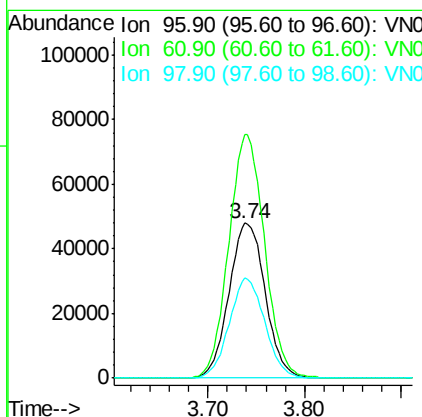
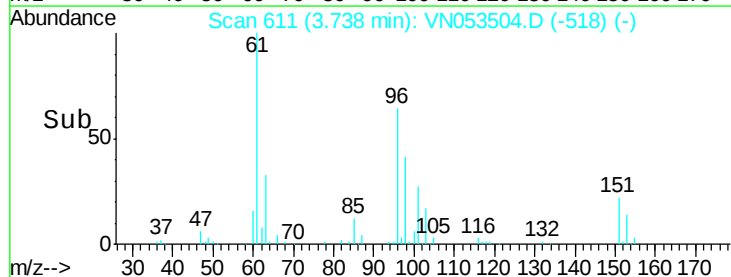
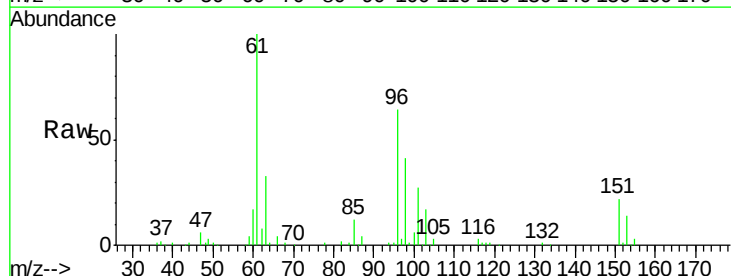
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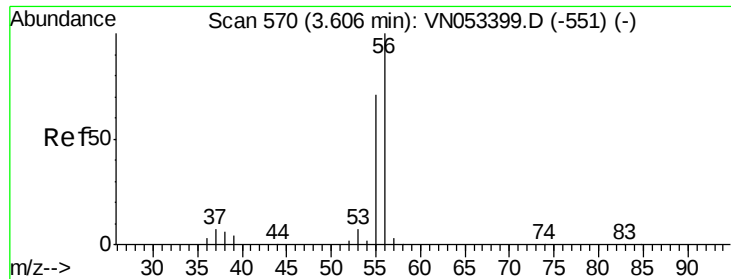


#12

1,1-Dichloroethene
 Concen: 19.674 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	122.9	184.3
98	64.5	49.4	74.0





#13

Acrolein

Concen: 99.975 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 56 Resp: 57260

Ion Ratio Lower Upper

56 100

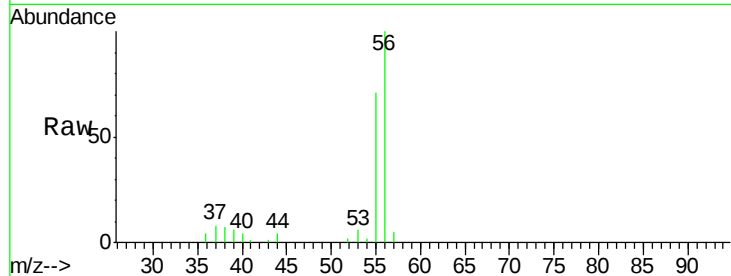
55 70.1 57.4 86.0

Manual Integrations

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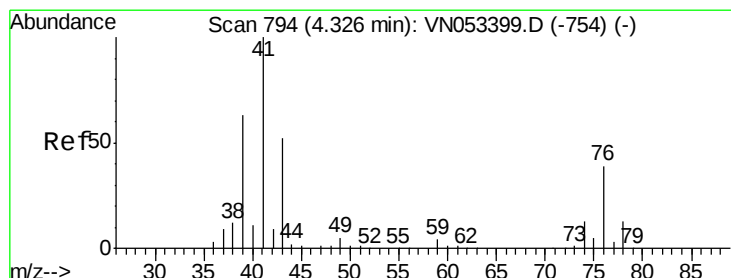
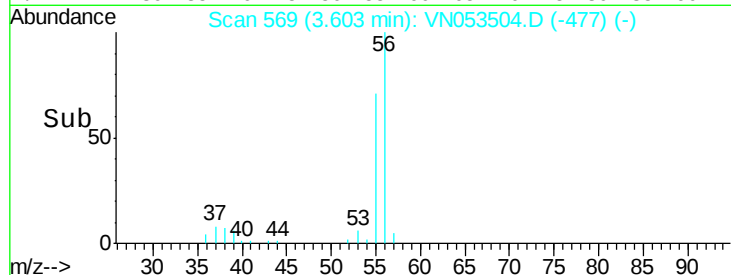
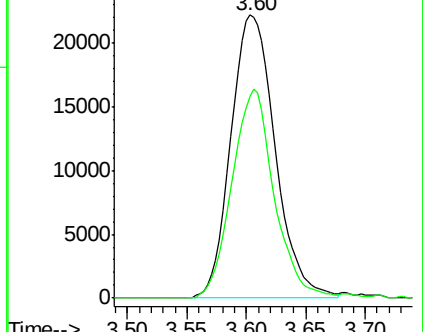
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 55.00 (54.70 to 55.70): VNC



#14

Allyl chloride

Concen: 20.052 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

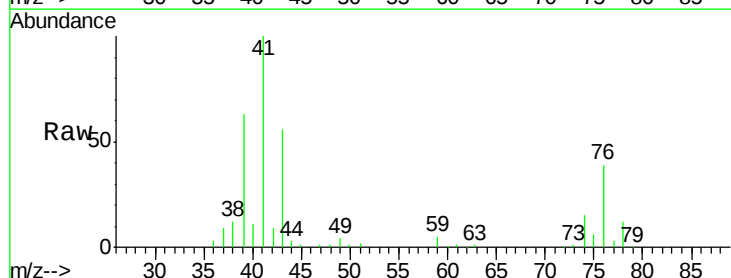
Tgt Ion: 41 Resp: 207073

Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

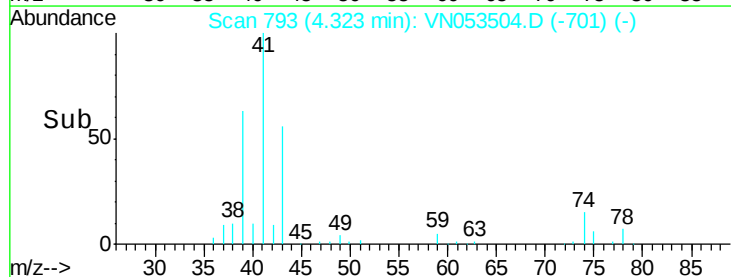
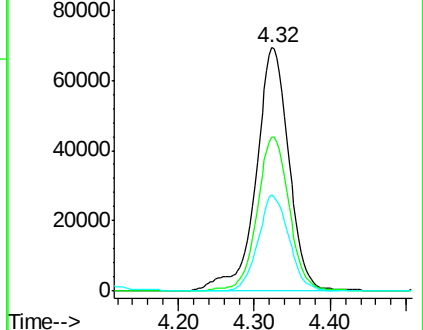
76 37.1 29.4 44.2

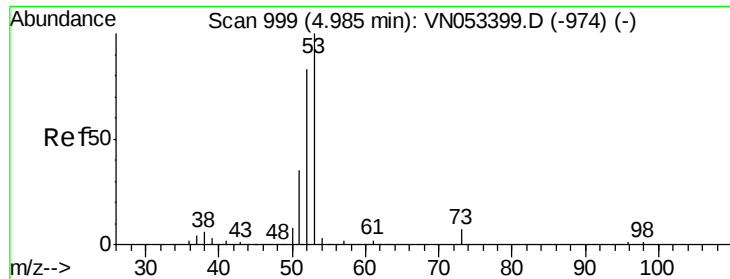


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 75.90 (75.60 to 76.60): VNC





#15

Acrylonitrile

Concen: 102.173 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

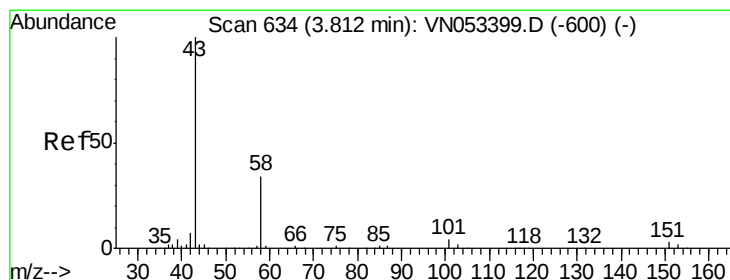
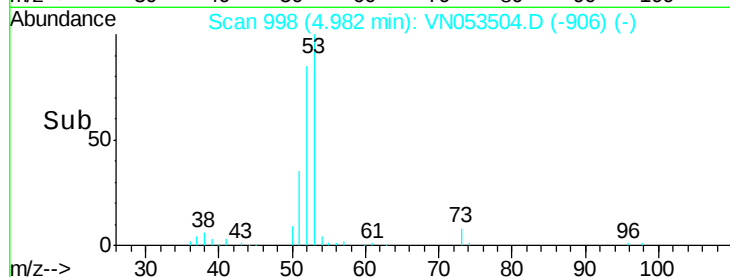
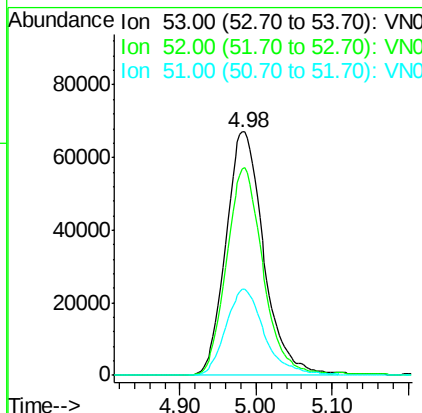
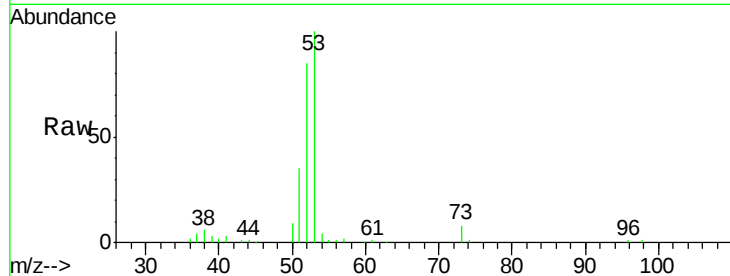
ClientSampleId :

VN0121MBSD01

Tot Ion:	53	Resp:	232231
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	36.1	28.3	42.5

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#16

Acetone

Concen: 92.890 ug/l

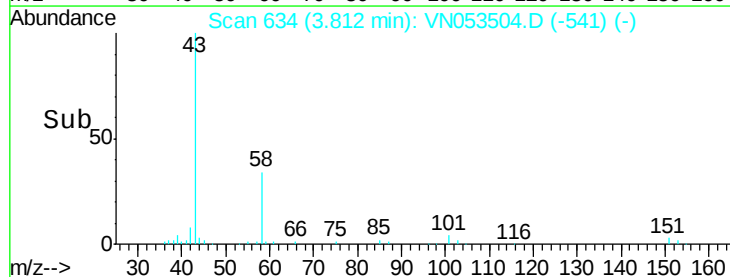
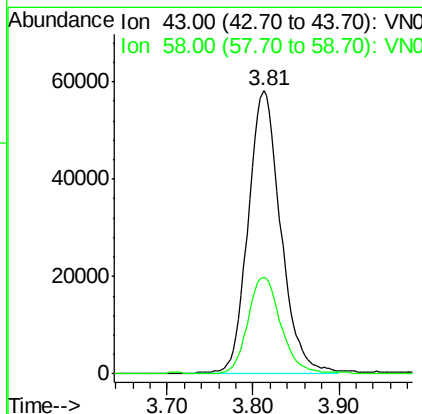
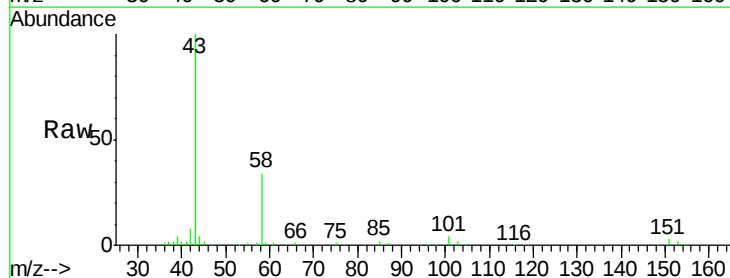
RT: 3.81 min Scan# 634

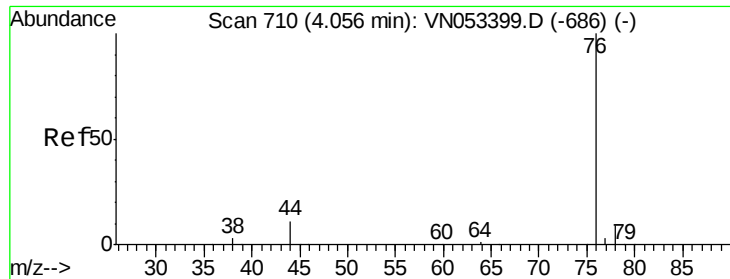
Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion:	43	Resp:	153823
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.1	40.7





#17

Carbon Disulfide

Concen: 18.181 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 76 Resp: 349552

Ion Ratio Lower Upper

76 100

78 9.5

7.3

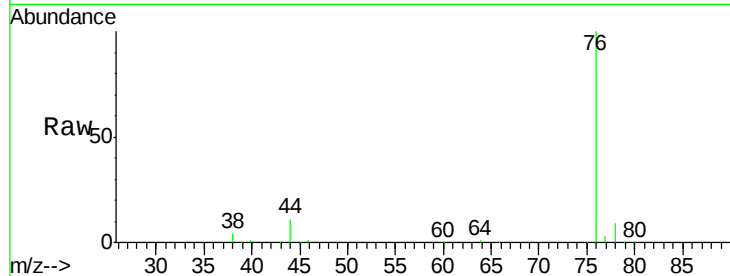
10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

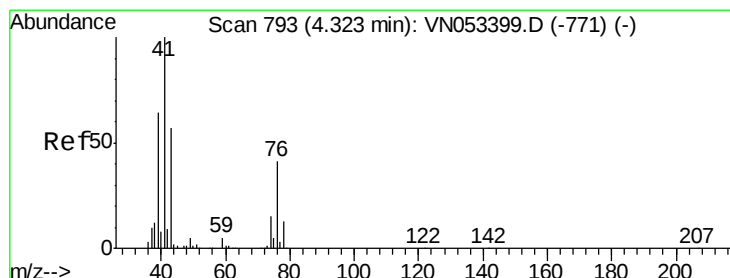
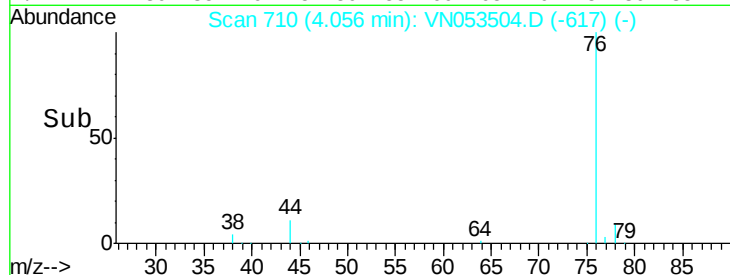
100000

50000

0

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 20.332 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion: 43 Resp: 113438

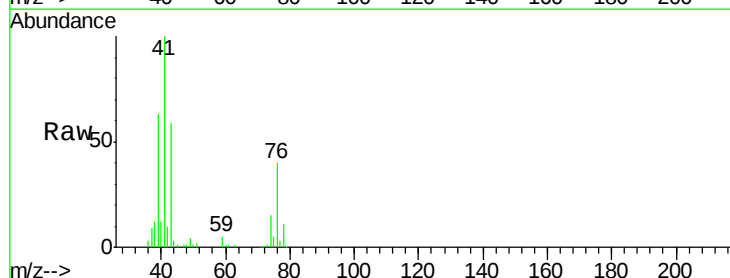
Ion Ratio Lower Upper

43 100

74 25.1

19.4

29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

30000

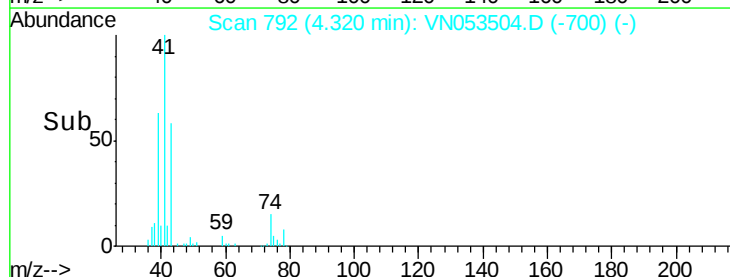
20000

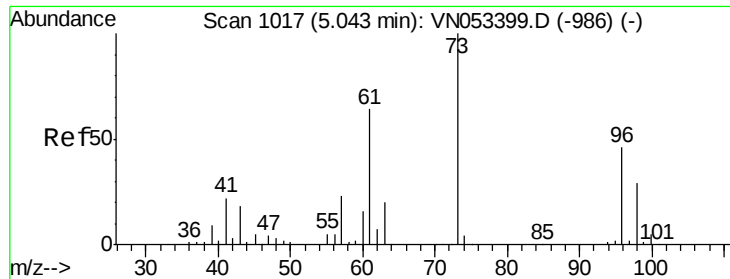
10000

0

4.20 4.30 4.40

Time-->





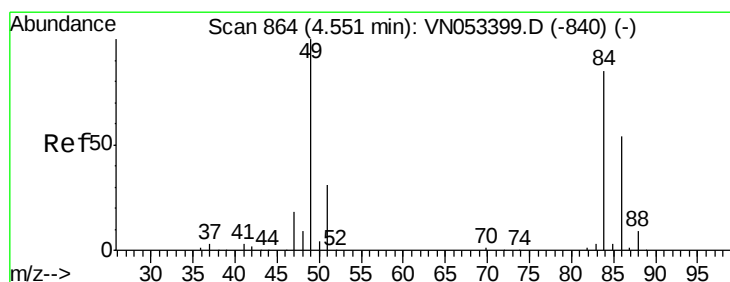
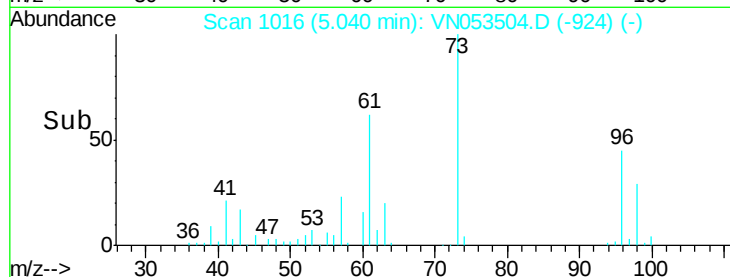
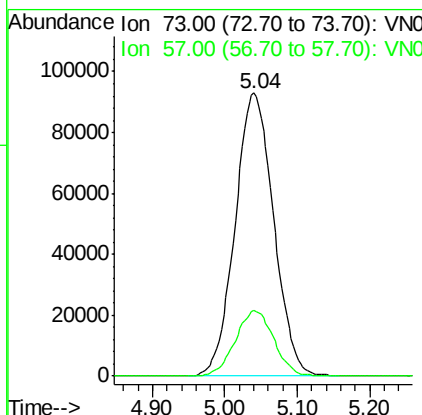
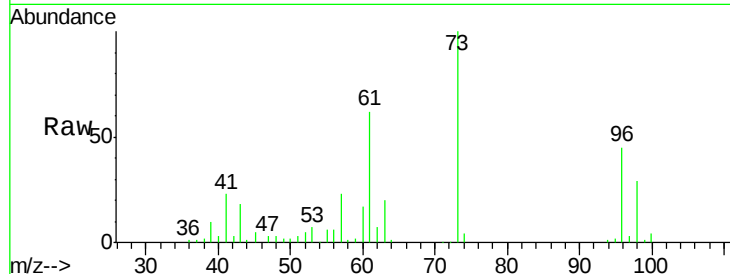
#19
Methvl tert-butvl Ether
Concen: 20.378 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion: 73 Resp: 344232
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

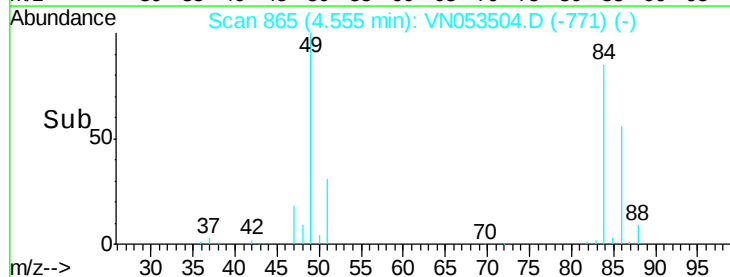
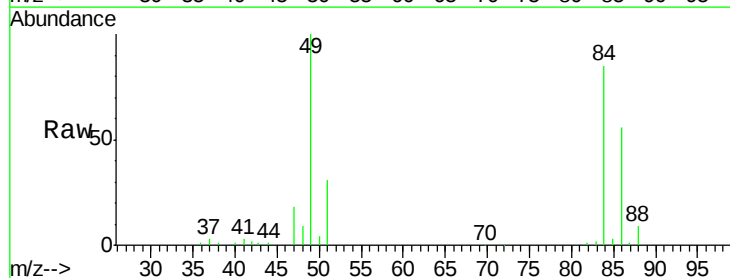
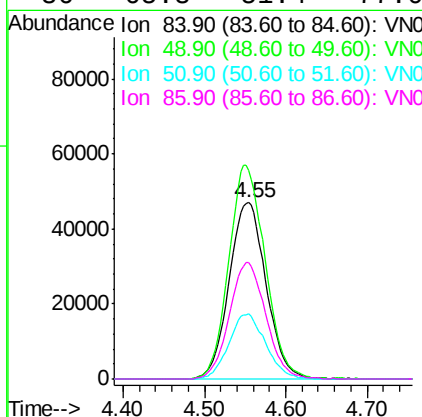
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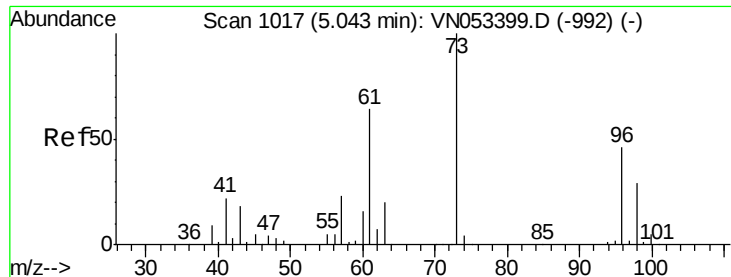
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#20
Methylene Chloride
Concen: 19.667 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 84 Resp: 148691
Ion Ratio Lower Upper
84 100
49 118.3 94.3 141.5
51 36.8 29.4 44.2
86 65.8 51.4 77.0





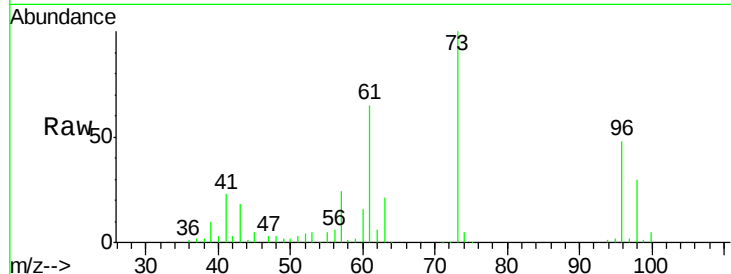
#21
trans-1,2-Dichloroethene
Concen: 19.906 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	110.1	165.1
98	61.9	50.0	75.0

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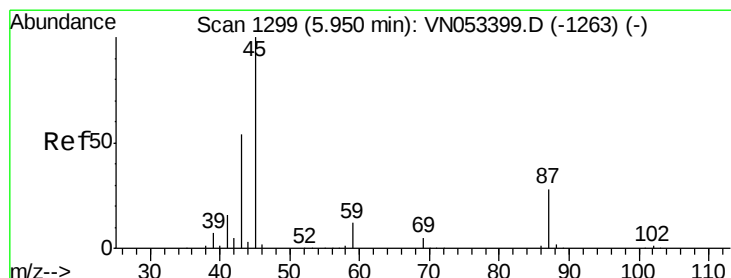
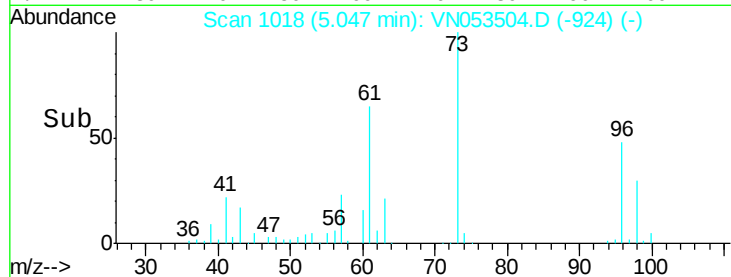
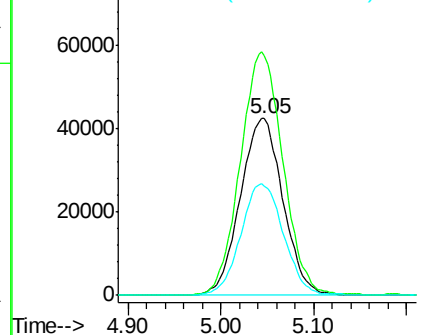


Abundance

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



#22
Diisopropyl ether
Concen: 20.773 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.2	66.4
87	28.8	22.7	34.1
59	12.1	9.4	14.2

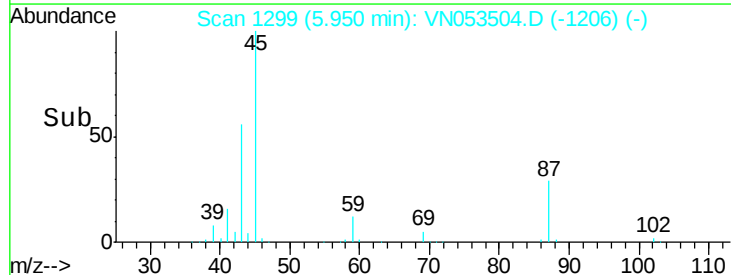
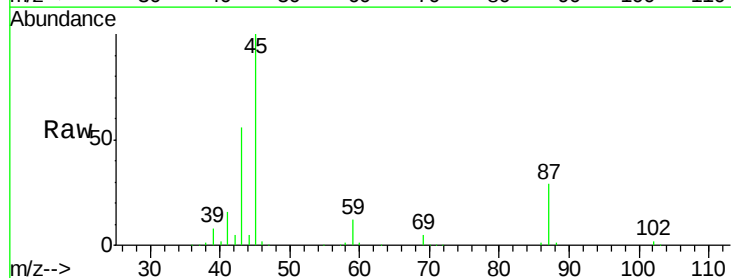
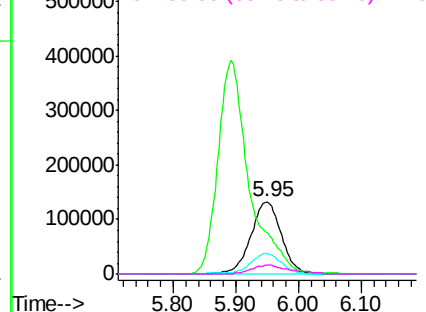
Abundance

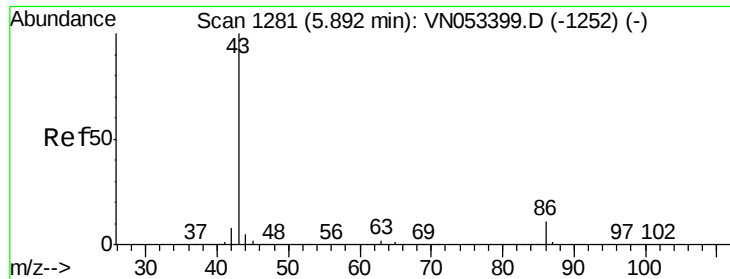
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





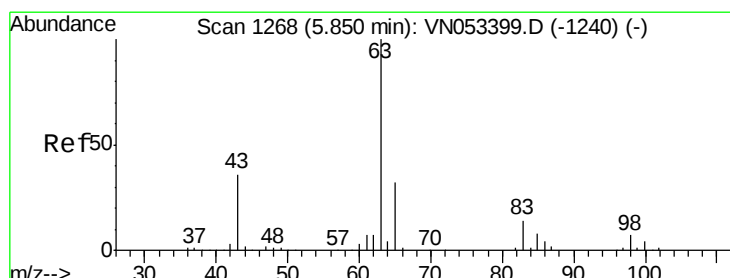
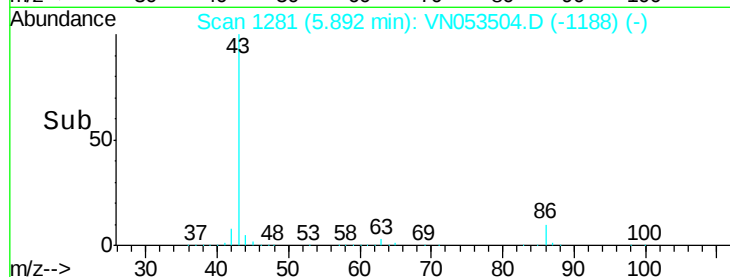
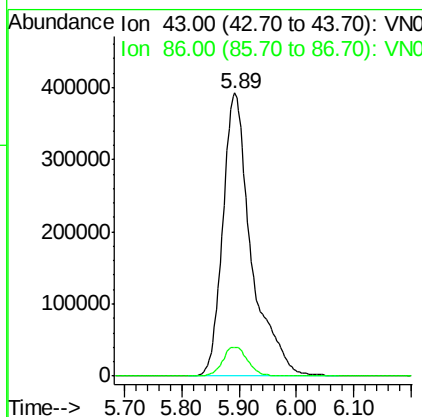
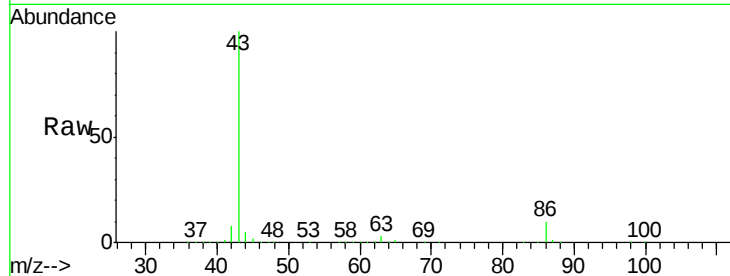
#23
 Vinyl Acetate
 Concen: 102.516 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion: 43 Resp: 1358572
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.4 12.6

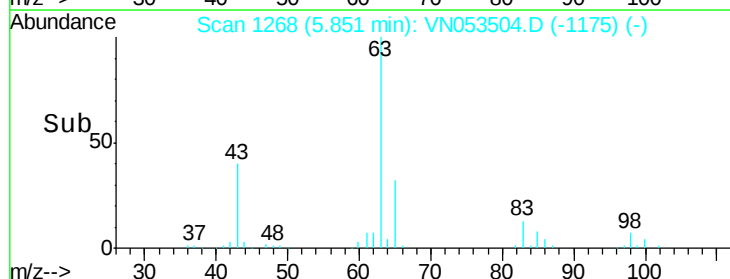
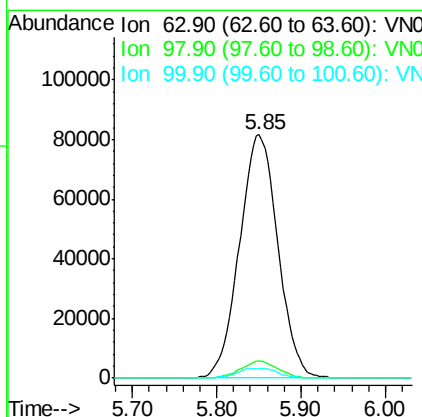
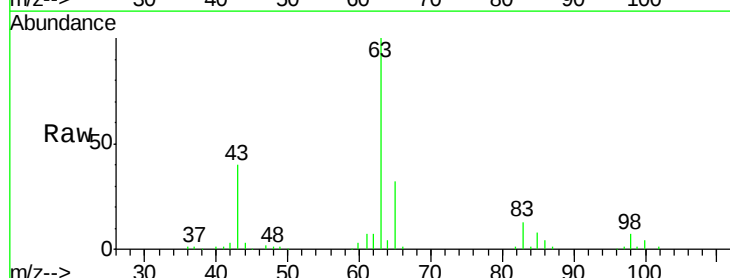
Manual Integrations
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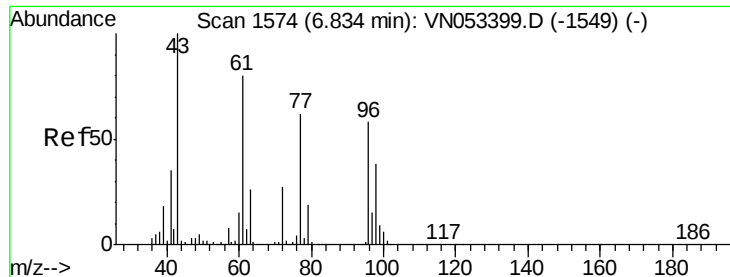
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.223 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 63 Resp: 257731
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 98.119 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 43 Resp: 250386

Ion Ratio Lower Upper

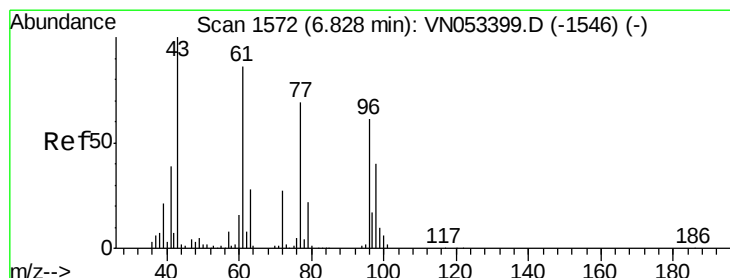
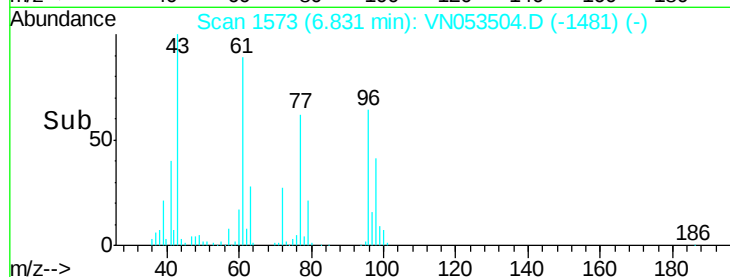
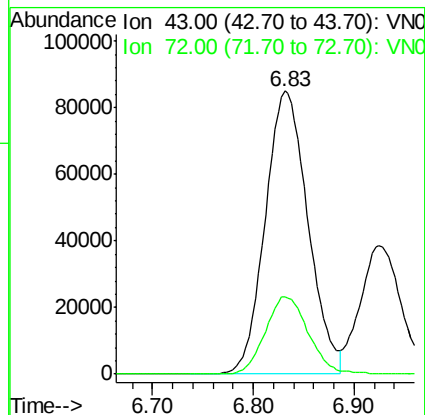
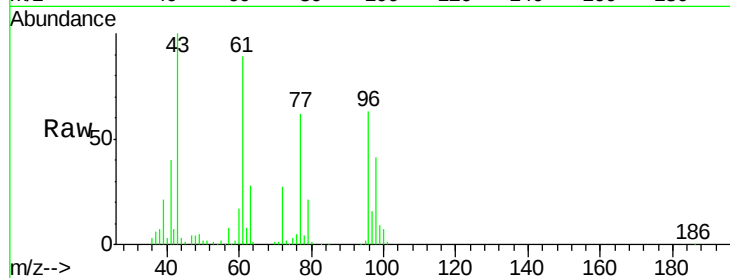
43 100

72 27.4 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 19.032 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN053504.D

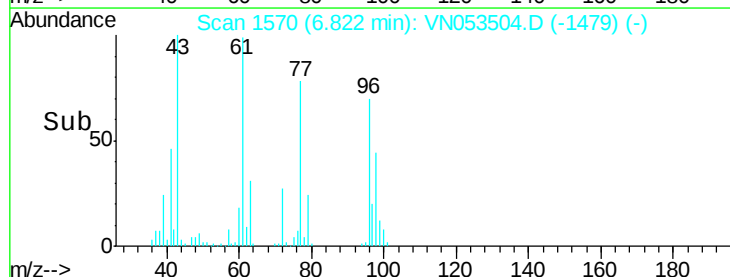
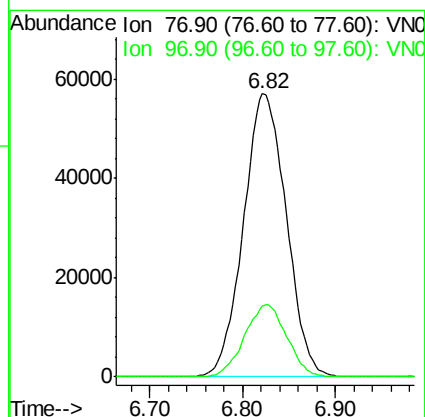
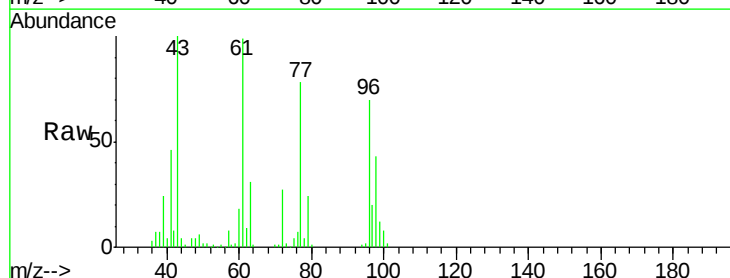
Acq: 21 Jan 2019 14:04

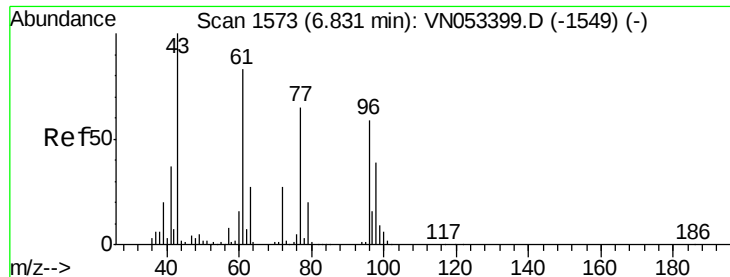
Tgt Ion: 77 Resp: 183138

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.372 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

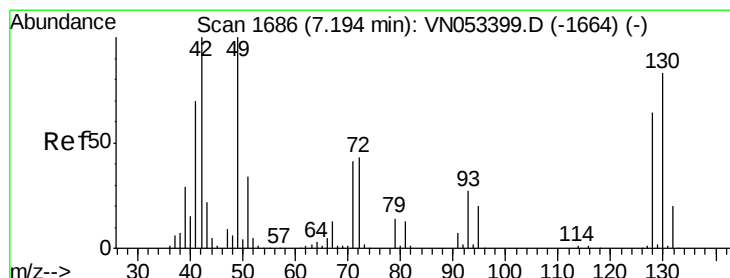
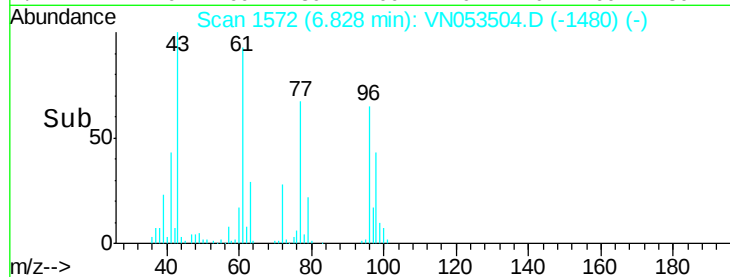
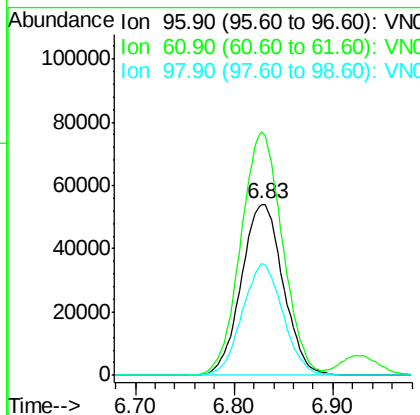
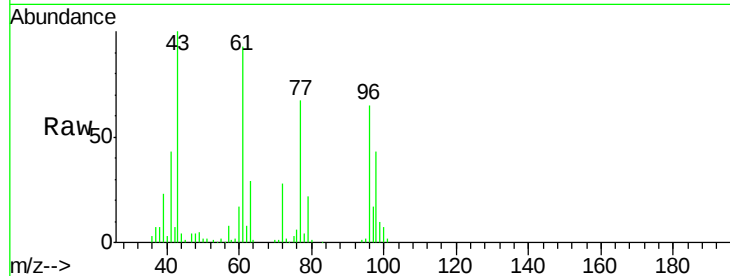
ClientSampleId :

VN0121MBSD01

Tot Ion:	96	Resp:	158342
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	283.8
98	63.9	0.0	129.2

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#28

Bromochloromethane

Concen: 19.836 ug/l

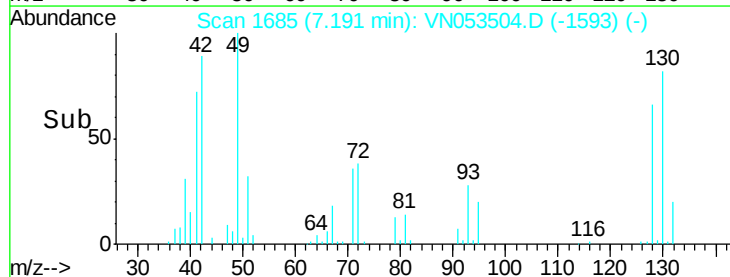
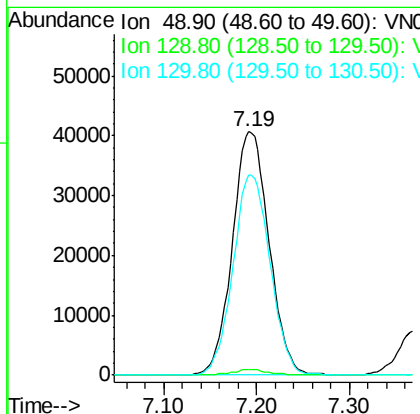
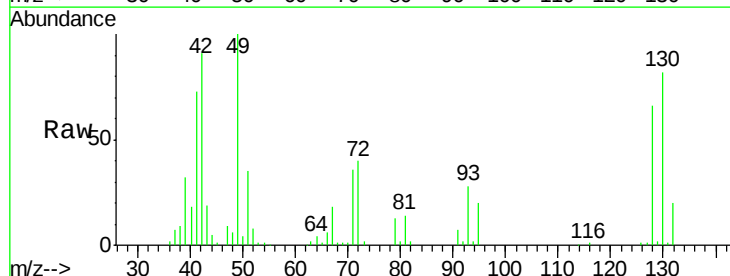
RT: 7.19 min Scan# 1685

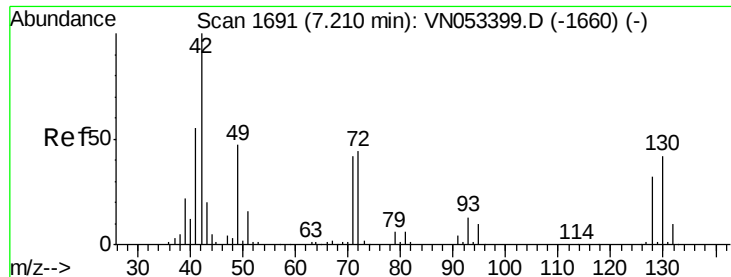
Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion:	49	Resp:	111370
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.3	66.3	99.5





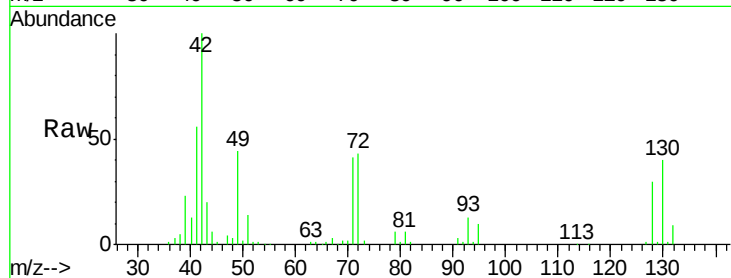
#29
Tetrahydrofuran
Concen: 100.076 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

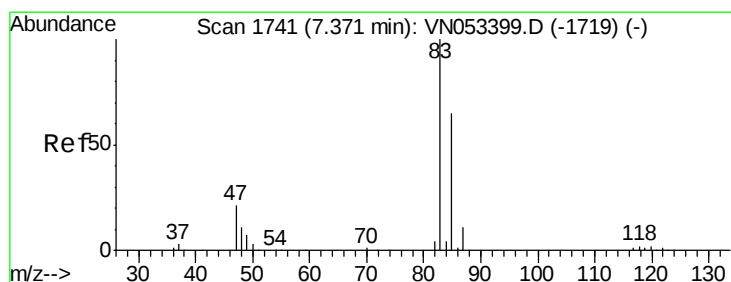
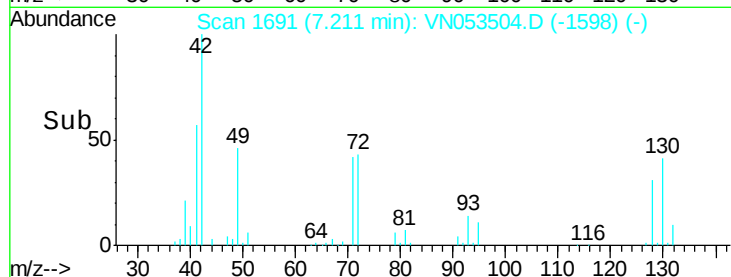
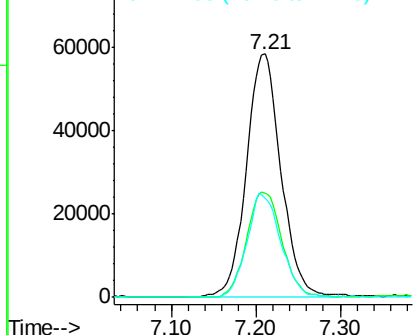
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.2	52.8
71	41.8	33.0	49.4

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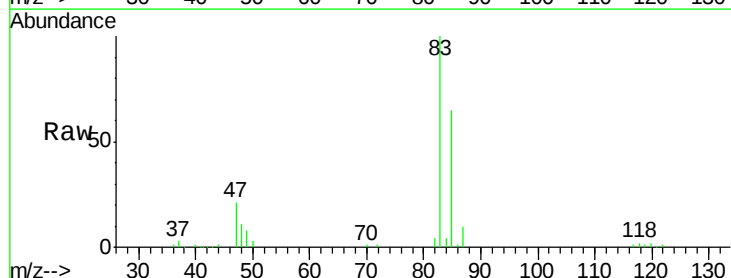


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

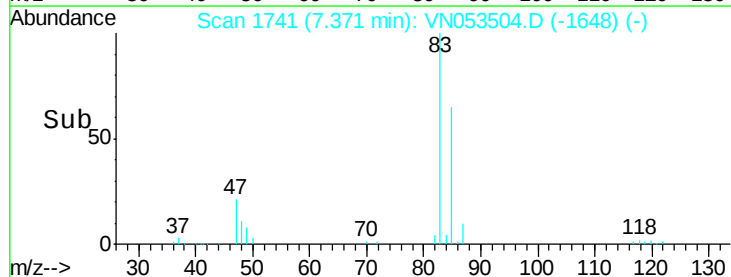
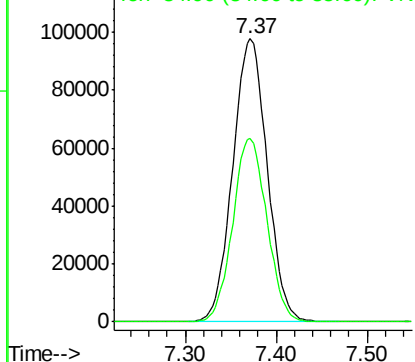


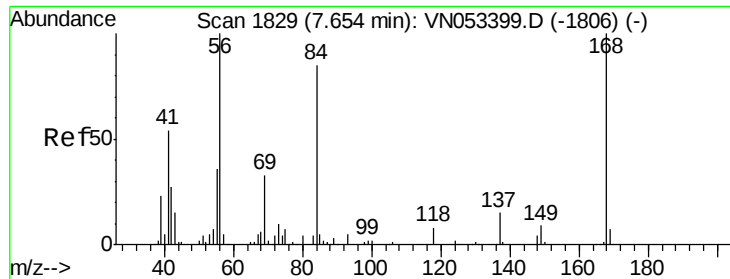
#30
Chloroform
Concen: 20.687 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





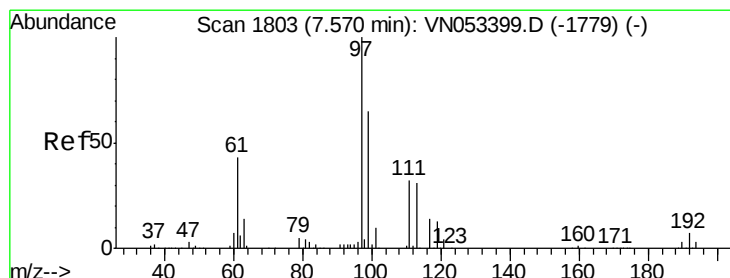
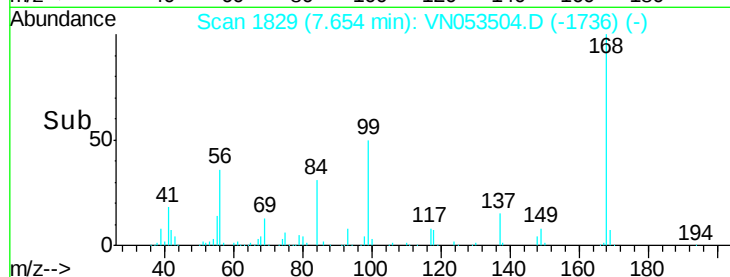
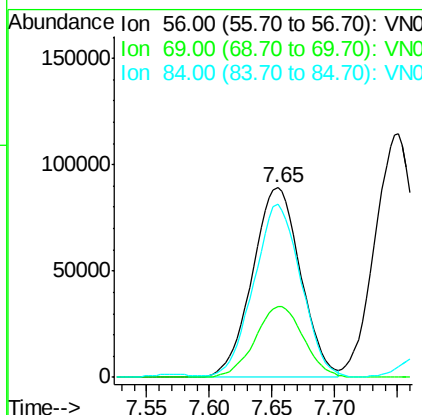
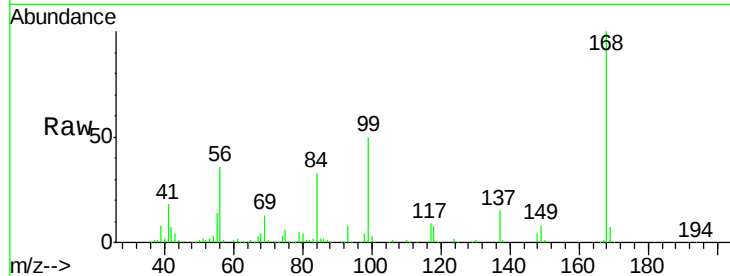
#31
Cyclohexane
Concen: 19.134 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.4	39.6
84	89.7	67.9	101.9

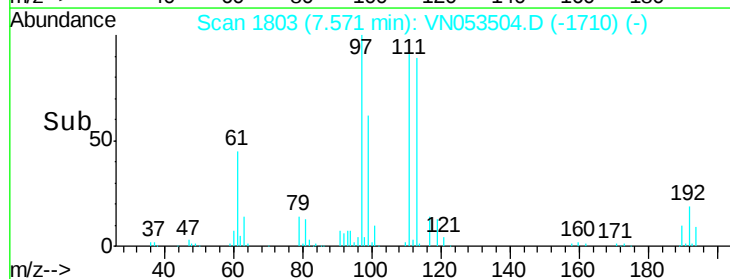
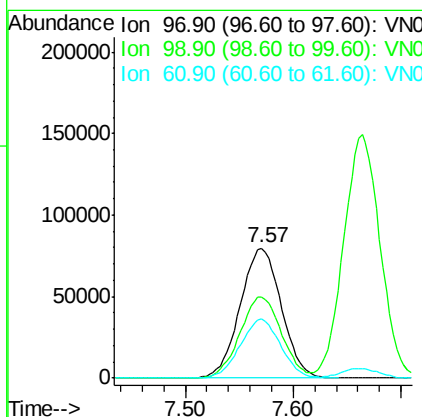
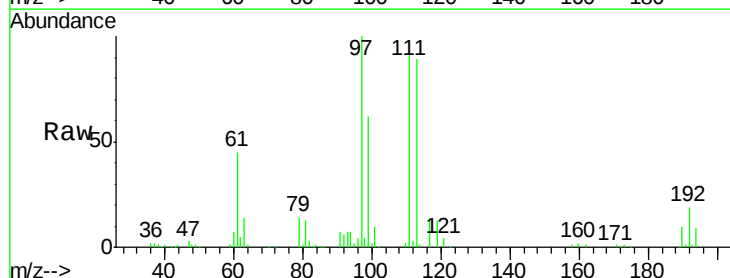
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#32
1,1,1-Trichloroethane
Concen: 20.080 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.0	78.0
61	44.6	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 20.080 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 65 Resp: 370451

Ion Ratio Lower Upper

65 100

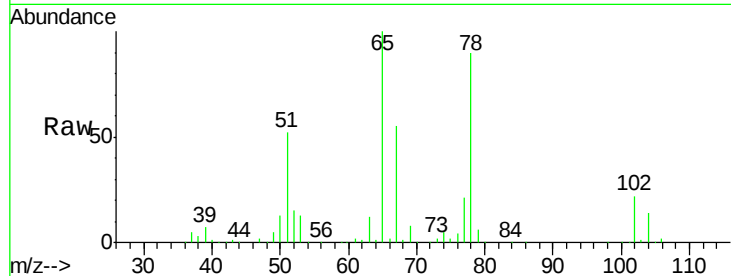
67 55.1 0.0 111.2

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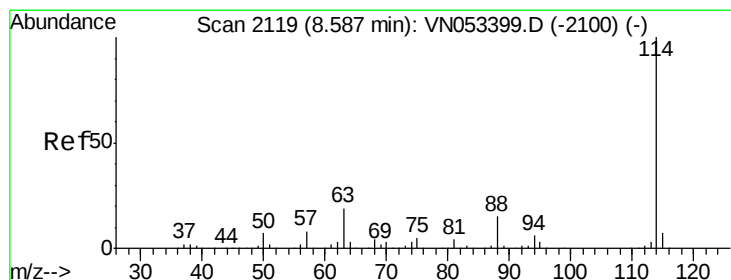
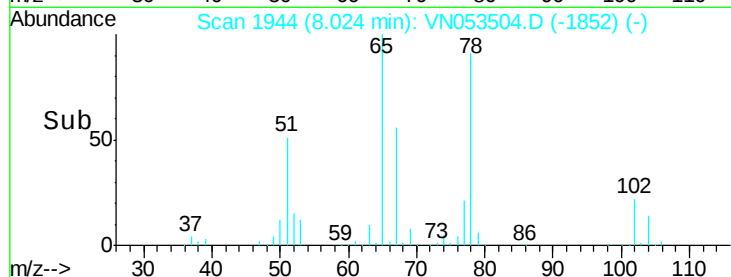
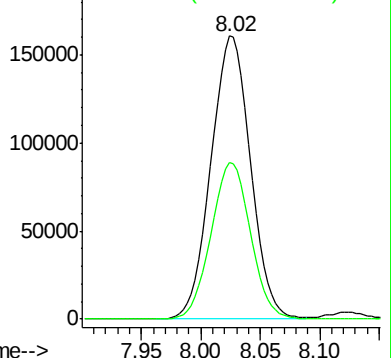
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Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

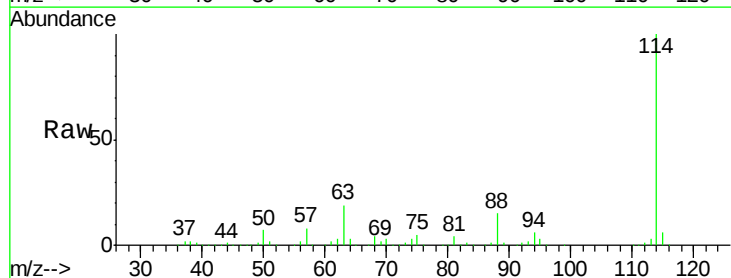
Tgt Ion: 114 Resp: 1074855

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

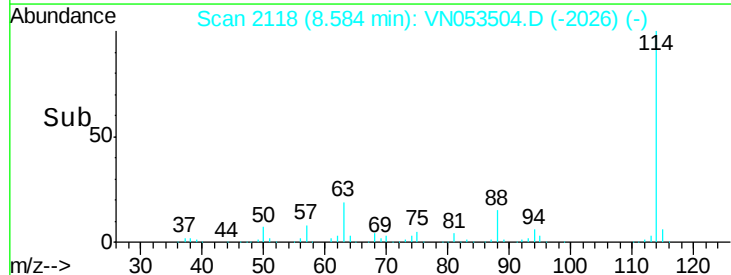
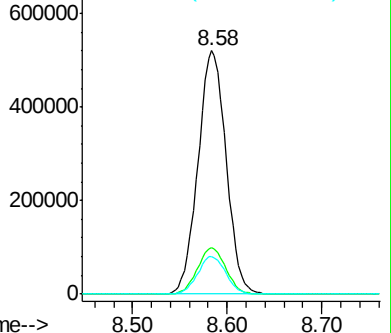
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)





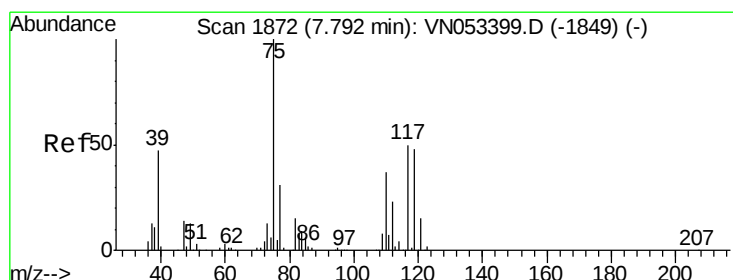
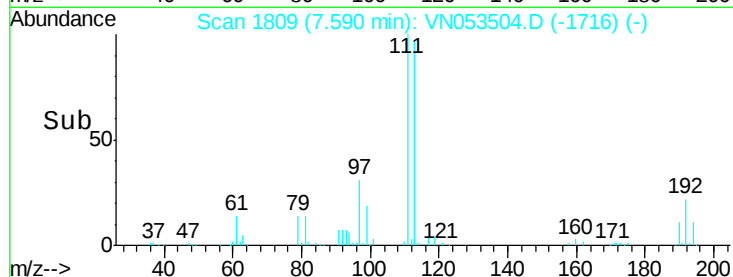
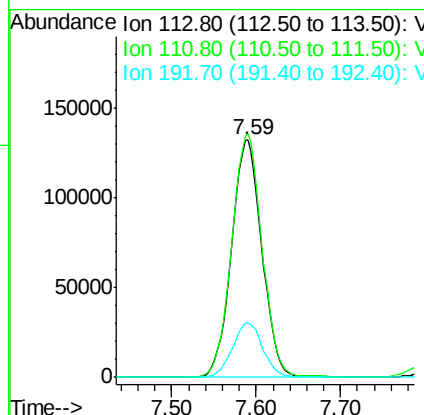
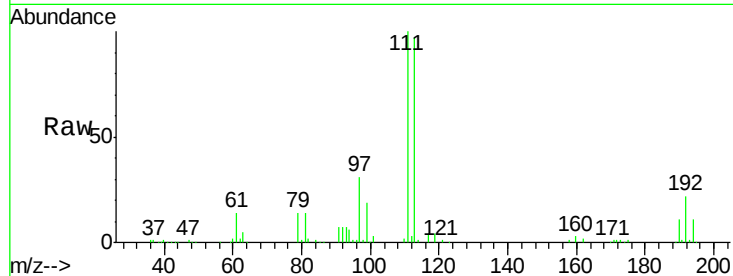
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.1	121.7	
192	23.0	18.2	27.2	

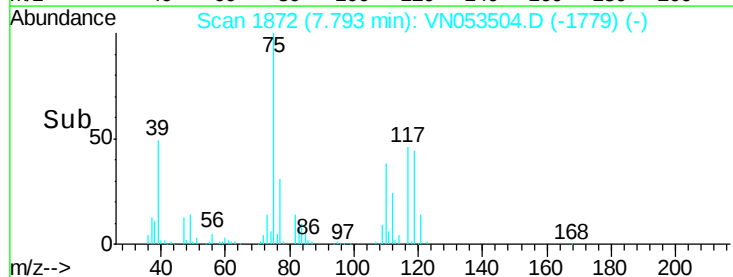
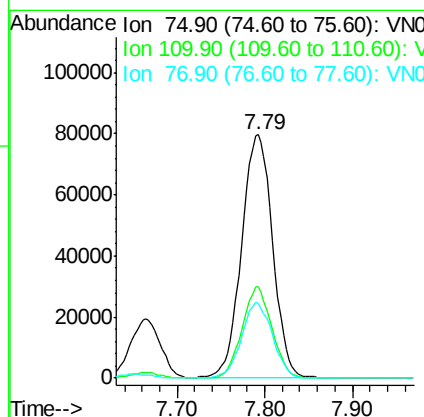
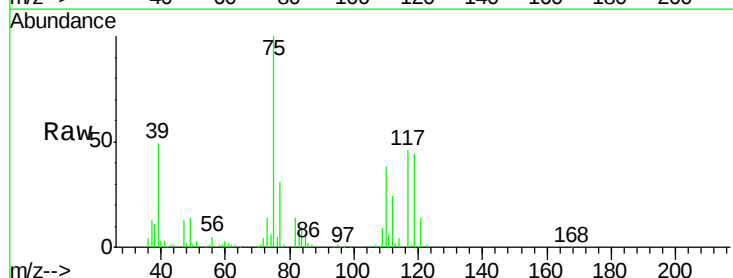
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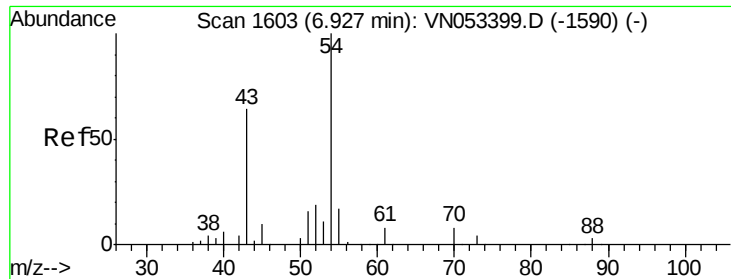
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 1/22/2019 9:47:41 AM



#36
 1,1-Dichloropropene
 Concen: 20.088 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.9	18.1	54.3	
77	30.8	25.1	37.7	





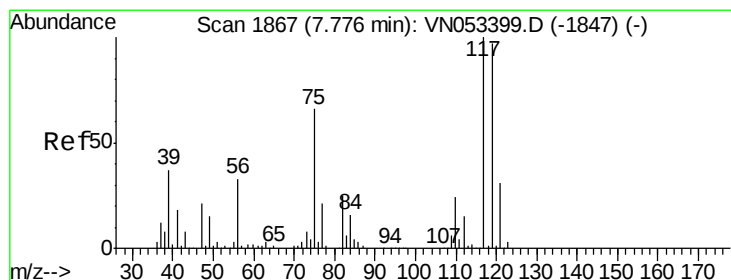
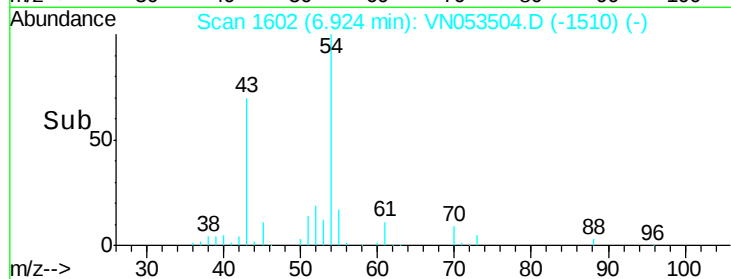
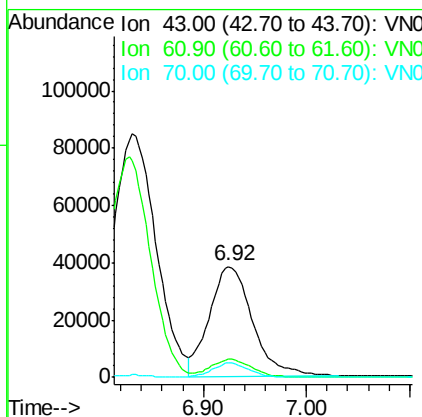
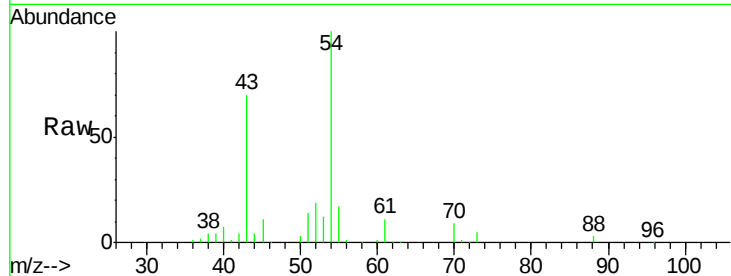
#37
Ethyl Acetate
Concen: 19.821 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	43	61	70	Resp	111629	Lower	Upper
Ion Ratio	100	15.6	11.3				
		11.8	8.6				
		17.6	12.8				

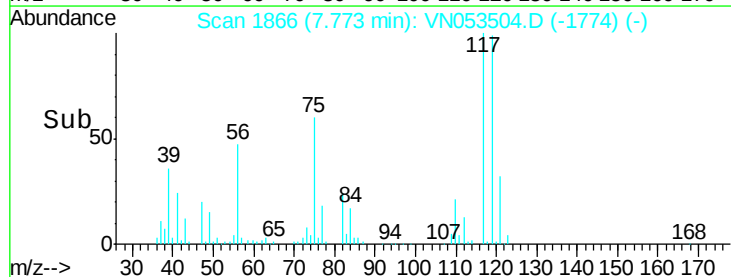
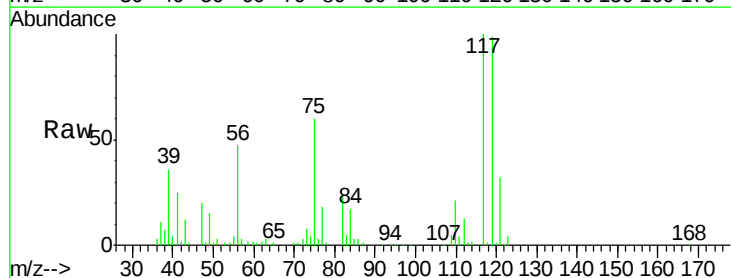
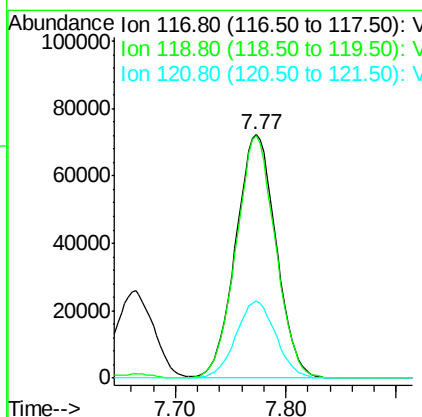
Manual Integrations
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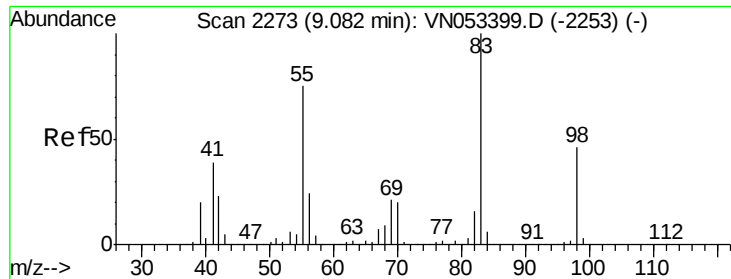
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#38
Carbon Tetrachloride
Concen: 19.757 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	117	119	121	Resp	183094	Lower	Upper
Ion Ratio	100	99.4	31.6				
		77.2	24.6				
		115.8	37.0				





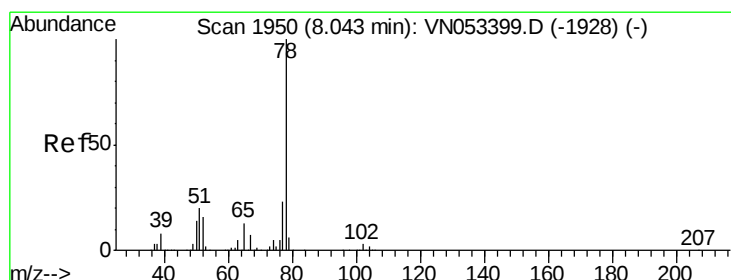
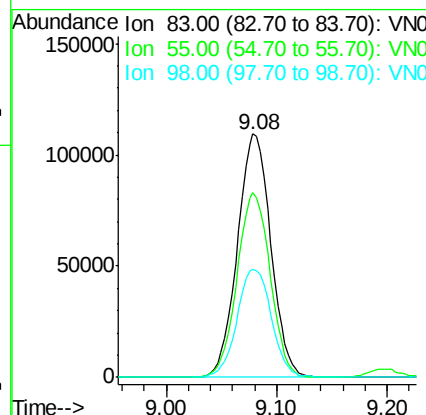
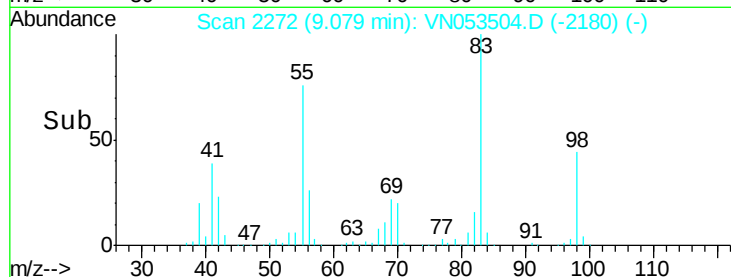
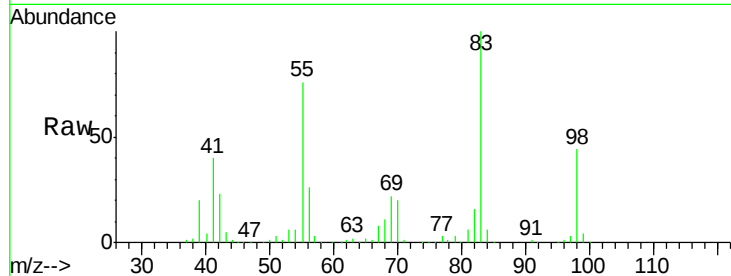
#39
Methvlcvclohexane
Concen: 18.986 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229711		
55	75.9	60.1	90.1	
98	44.5	36.6	55.0	

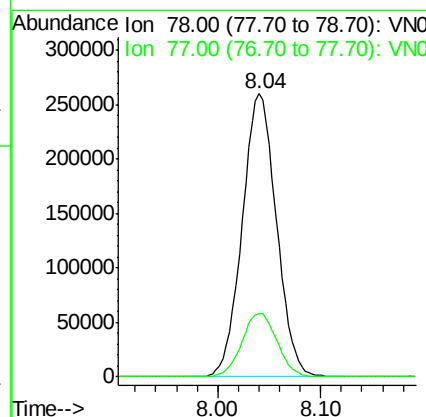
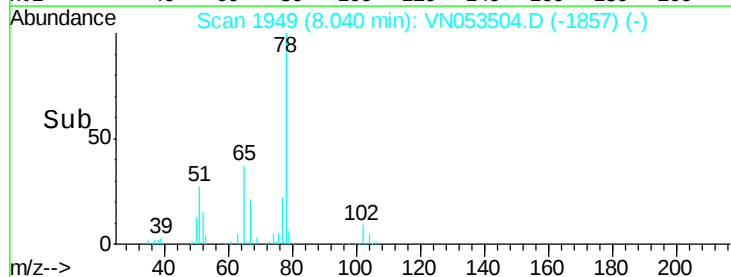
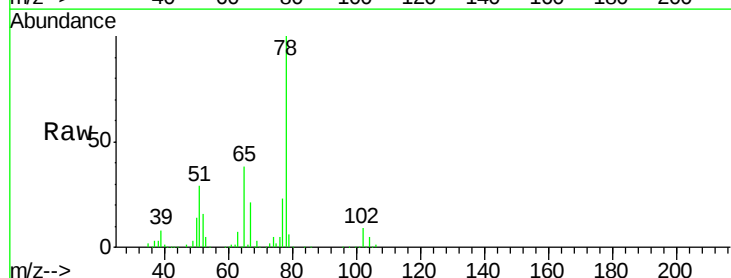
Manual Integrations
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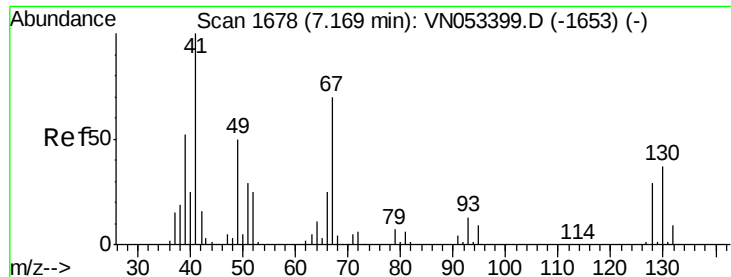
MMDadoda
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#40
Benzene
Concen: 20.195 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	600722		
77	22.5	18.8	28.2	





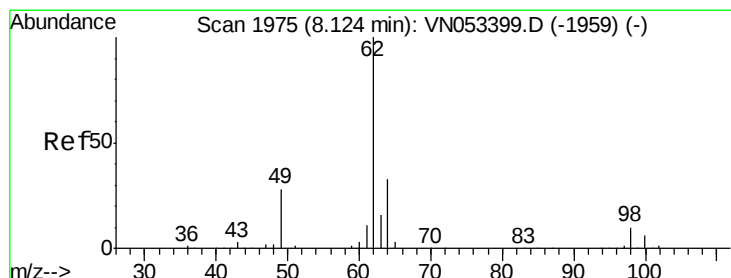
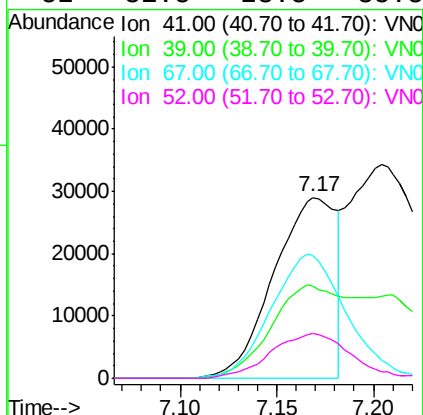
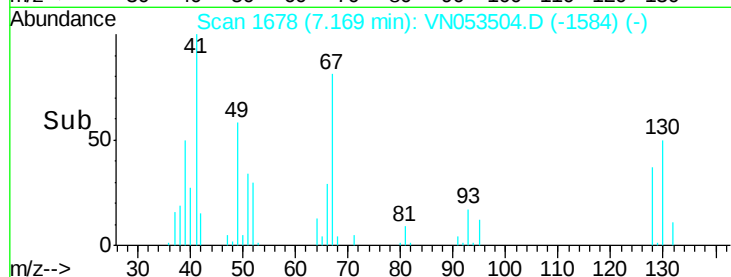
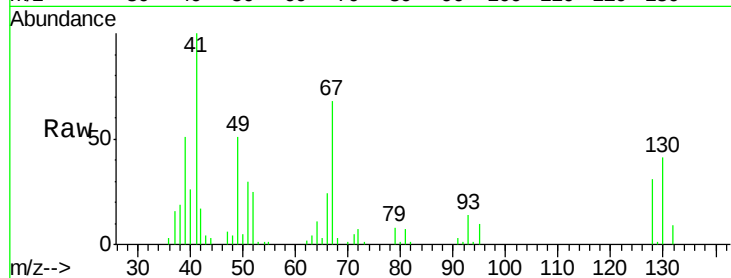
#41
Methacrylonitrile
Concen: 19.851 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.3	46.8	70.2	
67	83.3	63.0	94.6	
52	31.8	23.8	35.8	

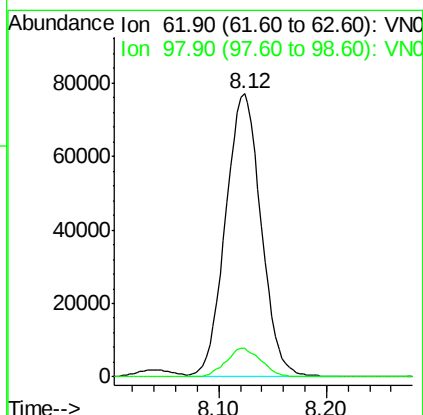
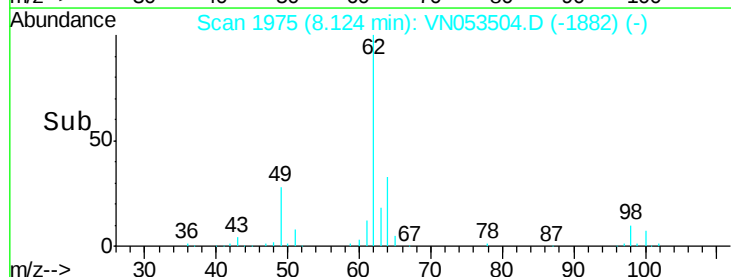
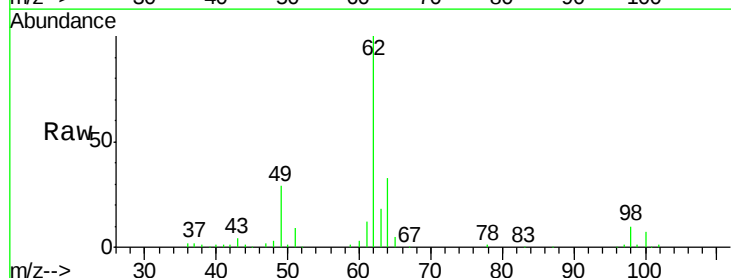
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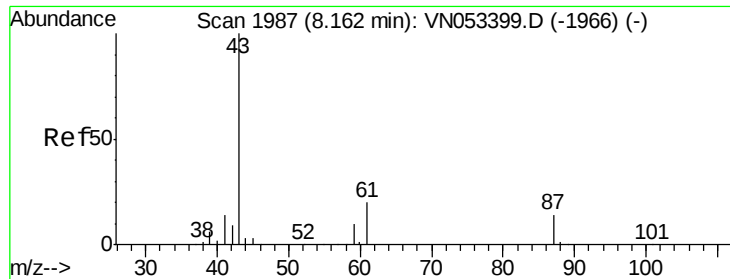
MMDadoda
1/22/2019 9:47:41 AM



#42
1,2-Dichloroethane
Concen: 20.374 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.6	





#43

Isopropyl Acetate

Concen: 20.476 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

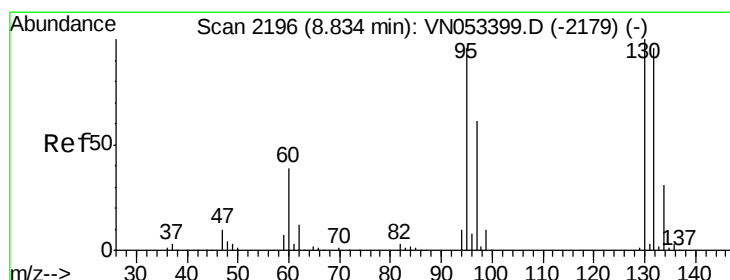
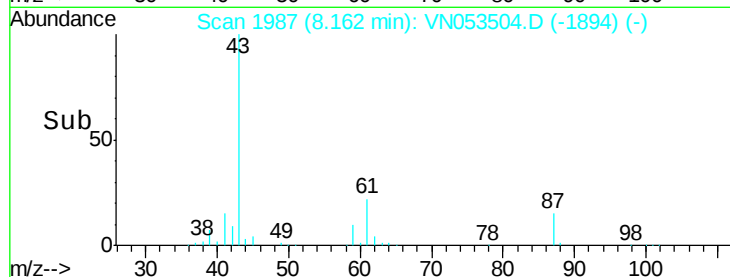
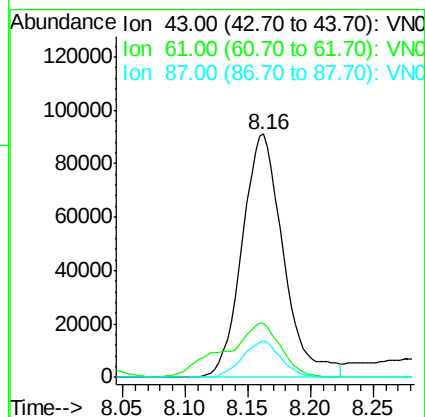
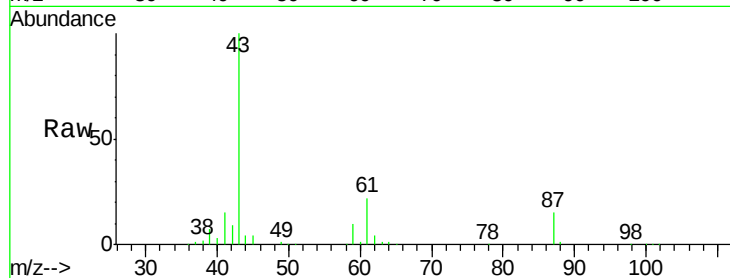
ClientSampleId :

VN0121MBSD01

Tot Ion:	43	Resp:	207358
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.9	35.9
87	13.9	11.0	16.6

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#44

Trichloroethene

Concen: 20.319 ug/l

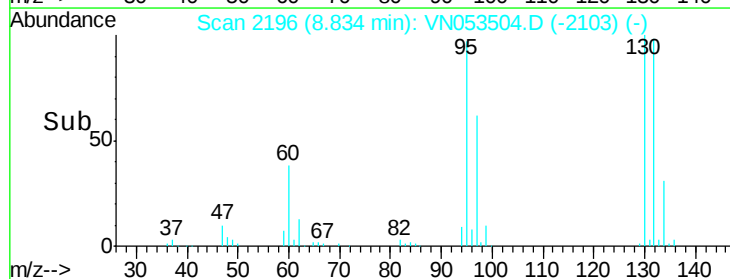
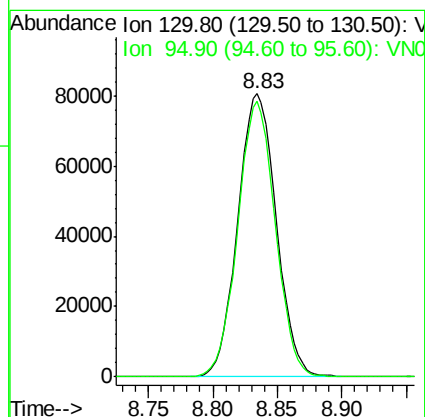
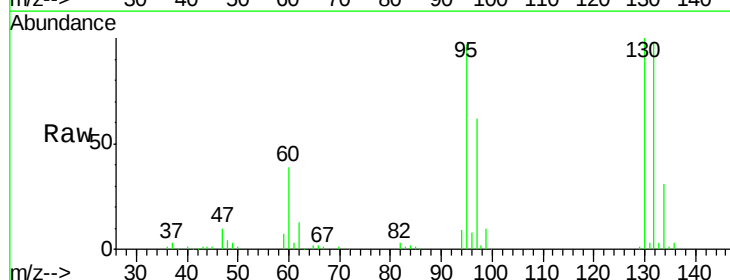
RT: 8.83 min Scan# 2196

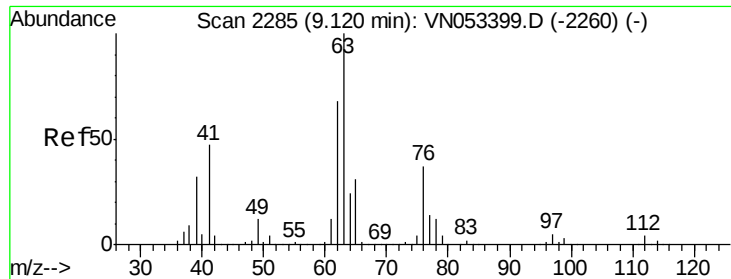
Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion:	130	Resp:	167618
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	191.4





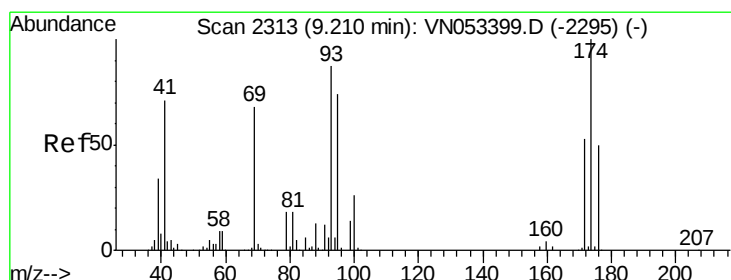
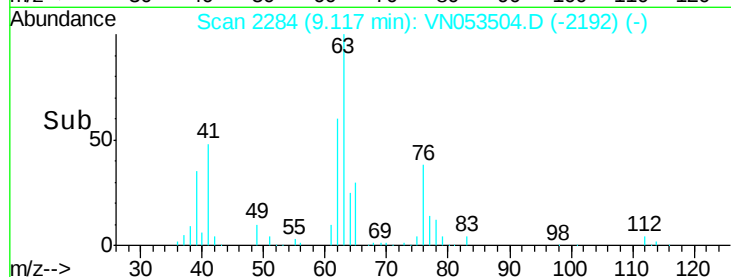
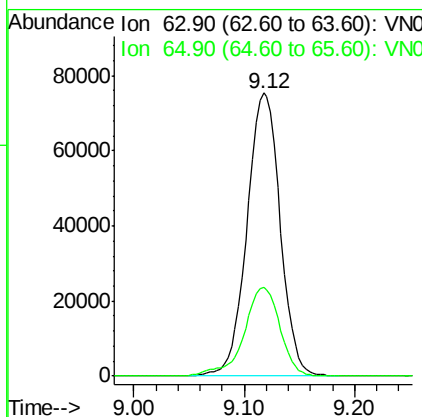
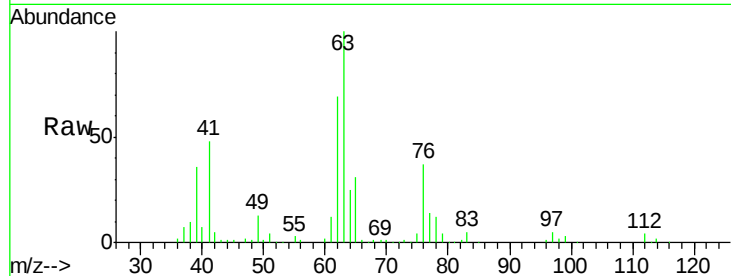
#45
 1,2-Dichloropropane
 Concen: 19.904 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion: 63 Resp: 156824
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4

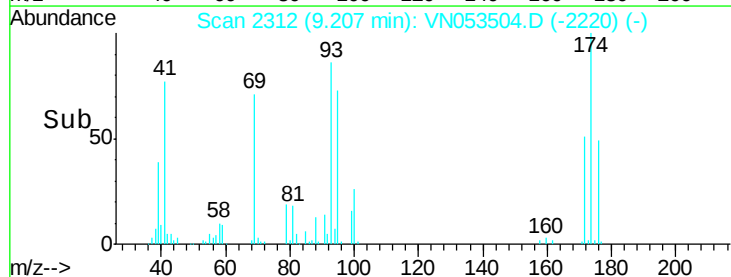
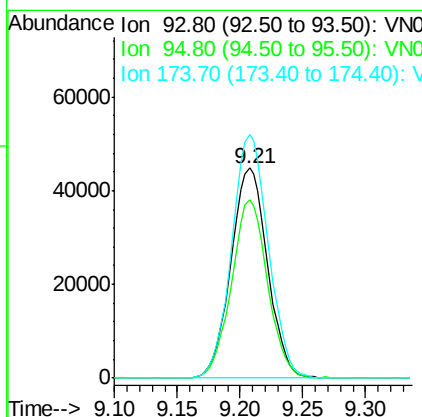
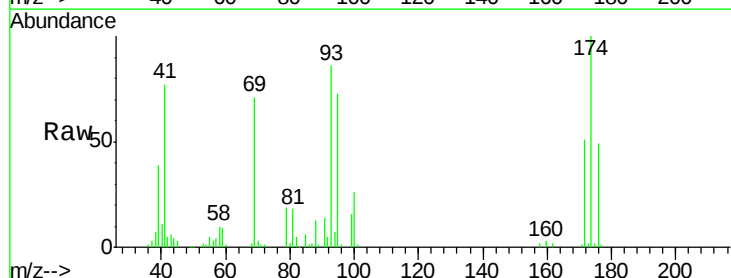
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#46
 Dibromomethane
 Concen: 20.131 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion: 93 Resp: 91126
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.3 100.9
 174 115.6 91.0 136.4





#47

Bromodichloromethane

Concen: 19.934 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

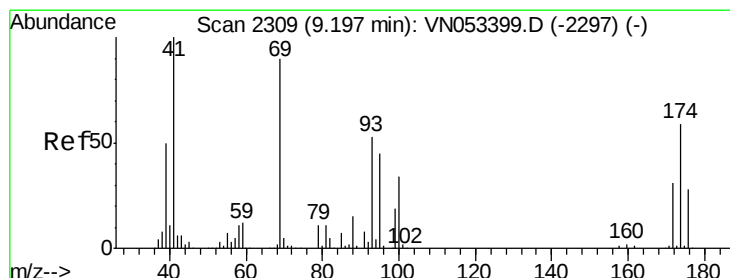
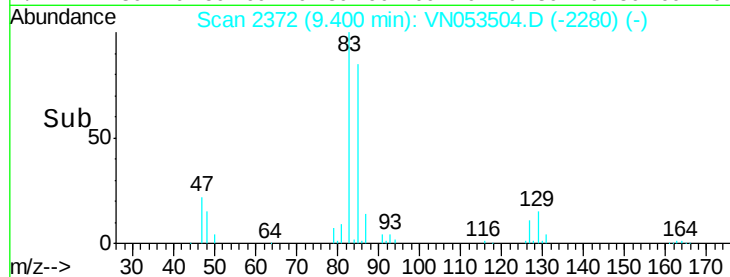
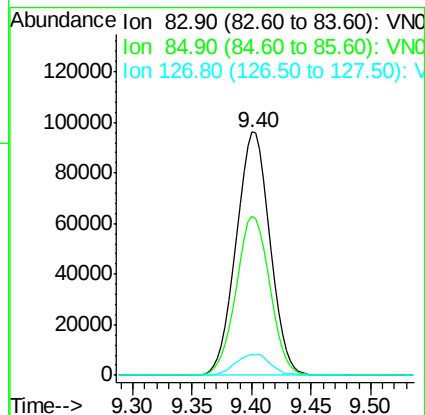
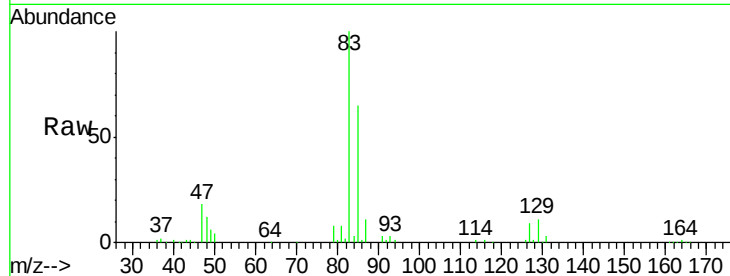
ClientSampleId :

VN0121MBSD01

Tot Ion:	83	Resp:	189762
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.0	76.6
127	8.6	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.935 ug/l

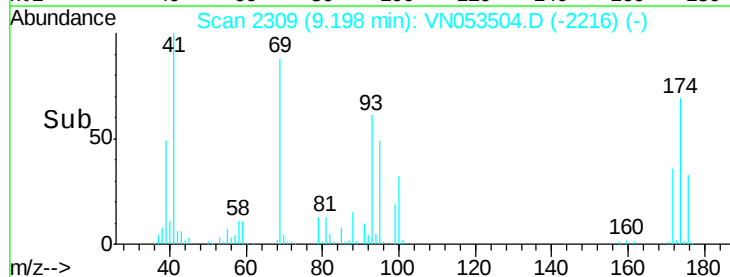
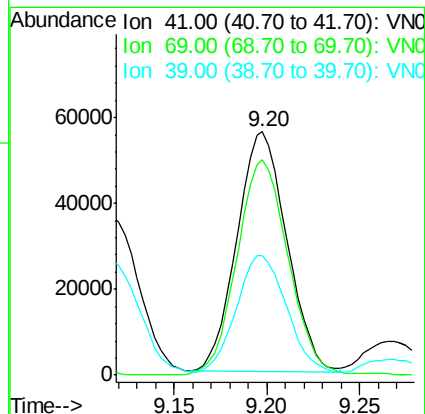
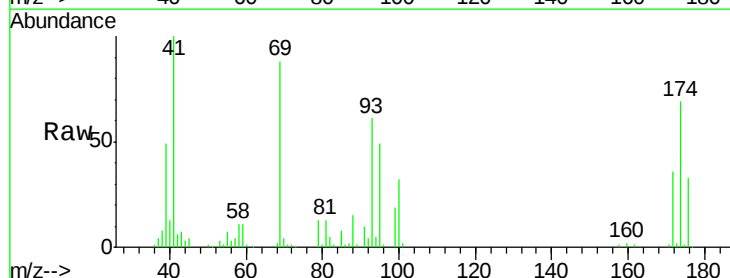
RT: 9.20 min Scan# 2309

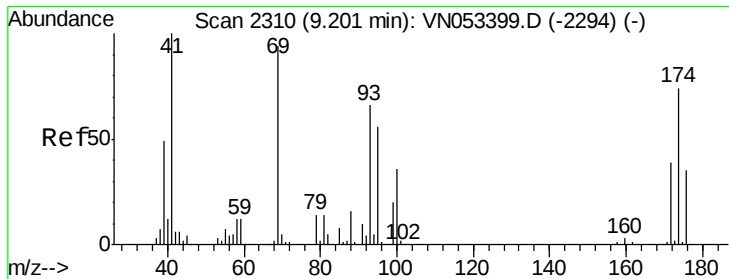
Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion:	41	Resp:	104231
Ion Ratio	Lower	Upper	
41	100		
69	92.5	73.8	110.6
39	51.7	40.0	60.0





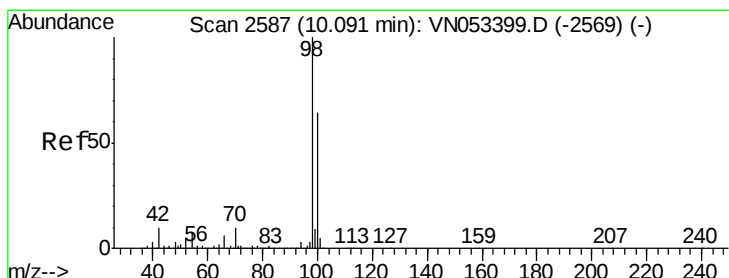
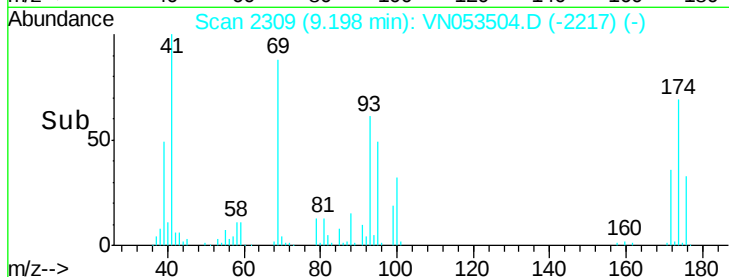
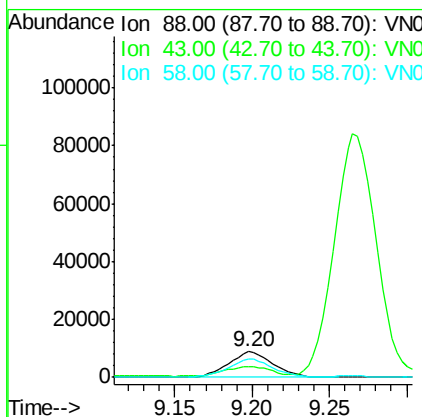
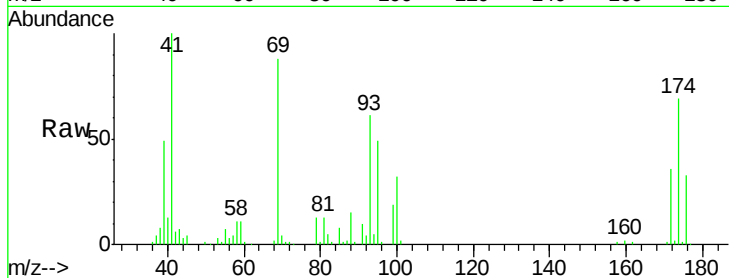
#49
 1,4-Dioxane
 Concen: 341.532 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	88	Resp	17440
Ion	Ratio	Lower	Upper
88	100		
43	41.5	27.8	41.6
58	71.5	56.5	84.7

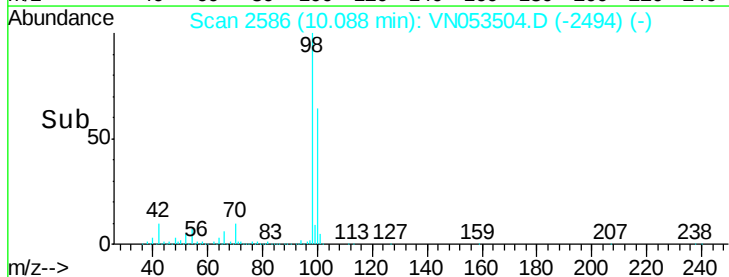
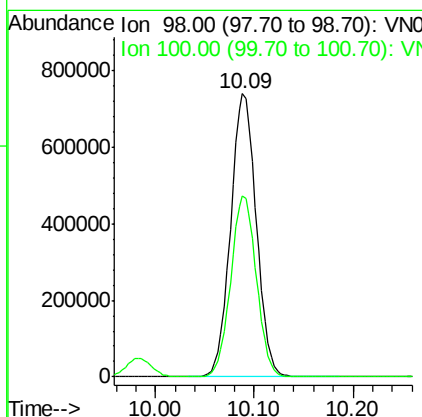
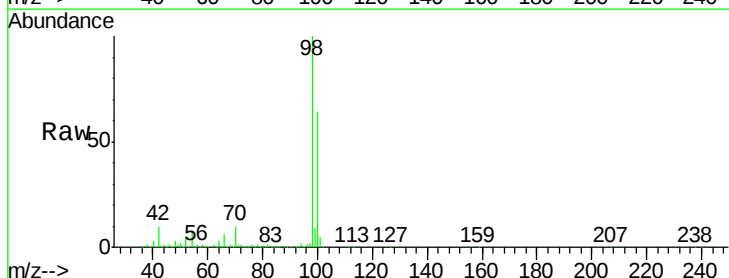
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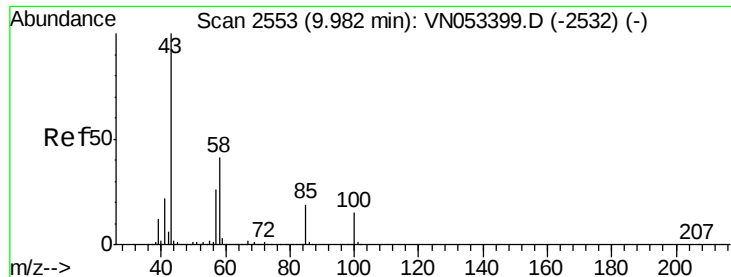
MMDadoda
 1/22/2019 9:47:41 AM



#50
 Toluene-d8
 Concen: 341.532 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	98	Resp	1341448
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.0





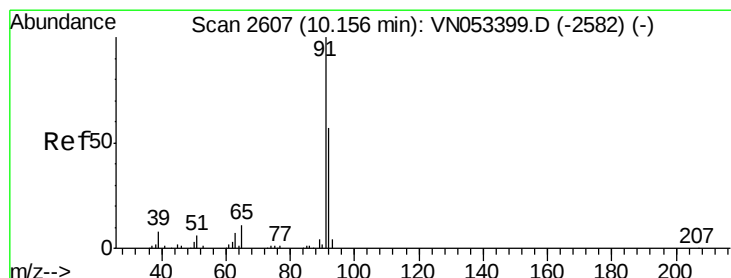
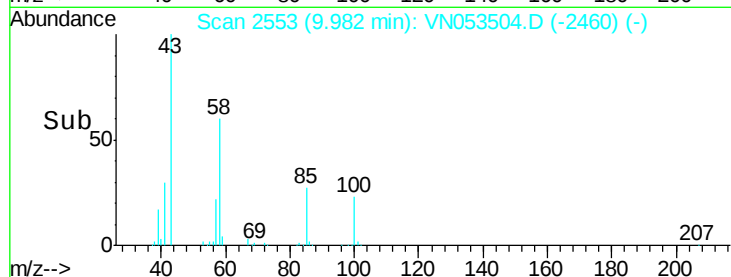
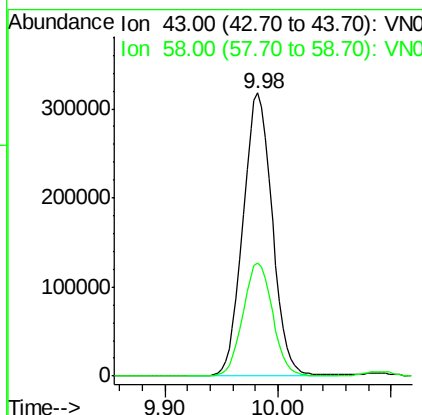
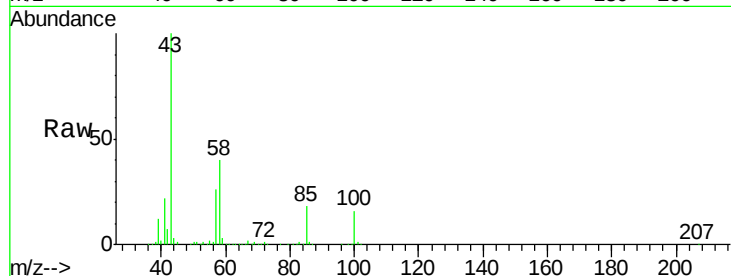
#51
4-Methyl-2-Pentanone
Concen: 103.376 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0121MBSD01

Tot Ion	43	Resp	571473
Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.8	49.2

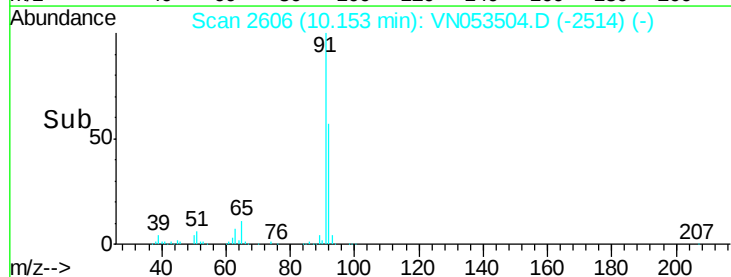
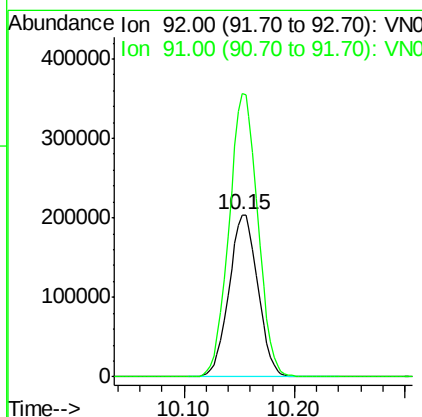
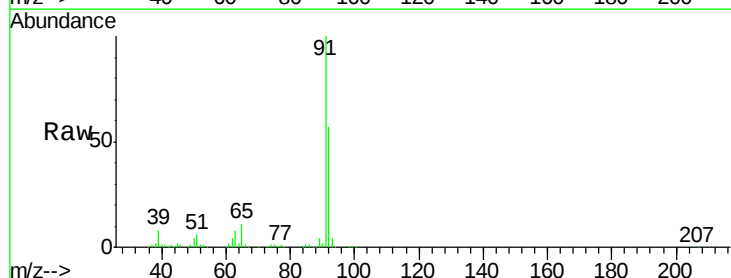
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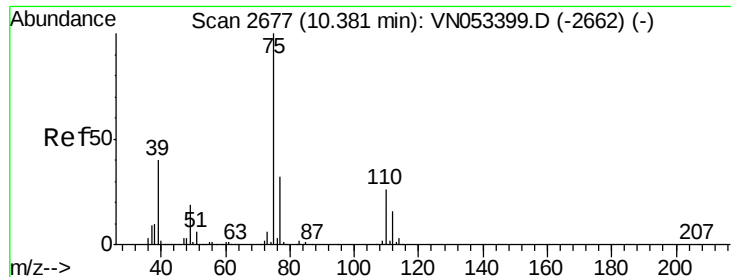
MMDadoda
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#52
Toluene
Concen: 20.015 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	92	Resp	369626
Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.9	209.9





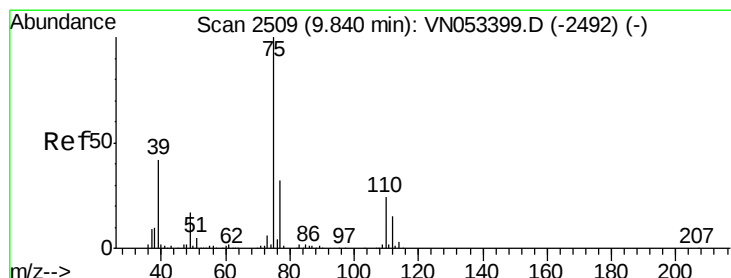
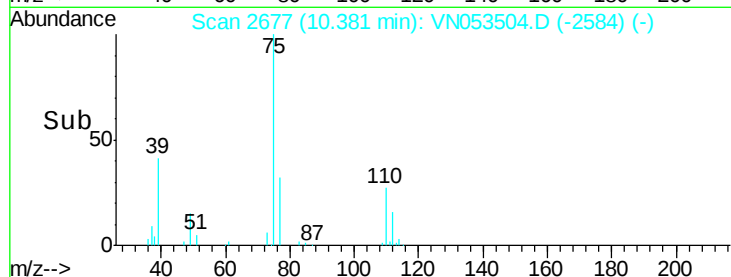
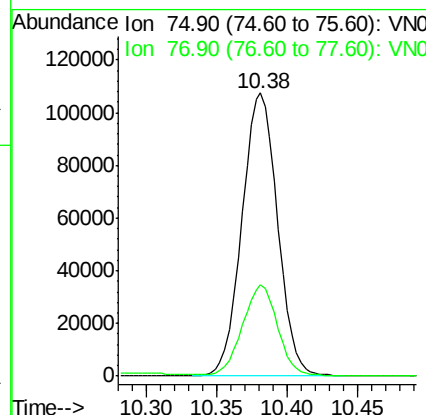
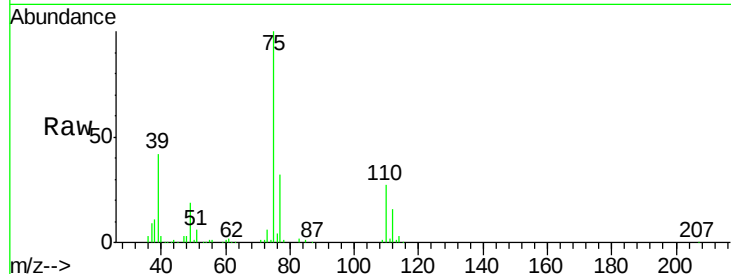
#53
t-1,3-Dichloropropene
Concen: 19.707 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3

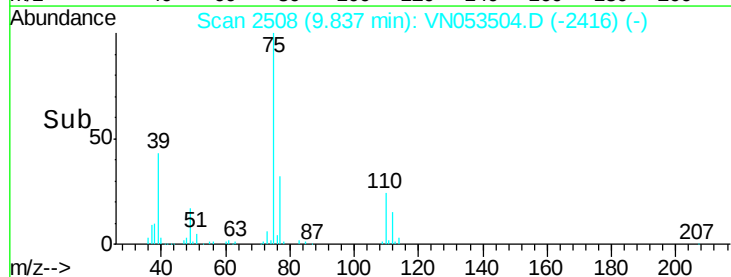
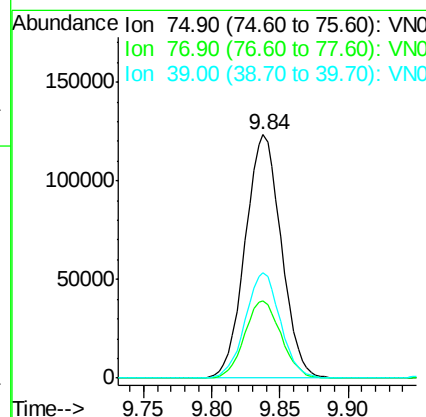
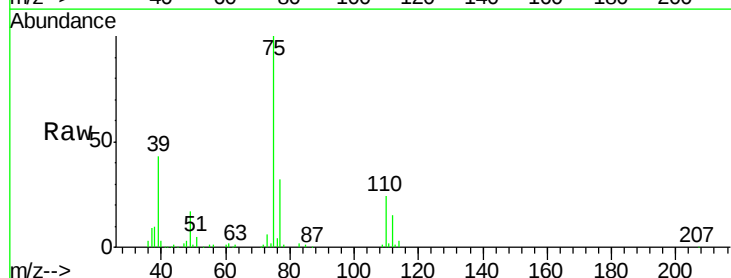
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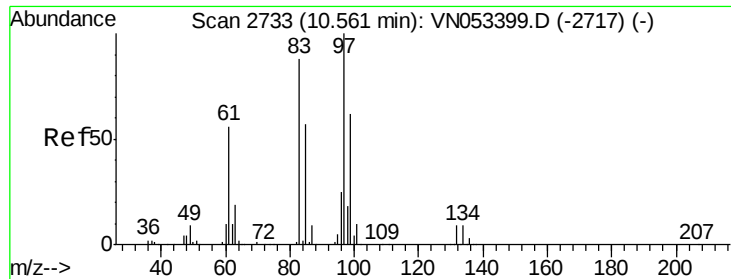
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#54
cis-1,3-Dichloropropene
Concen: 20.022 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	43.3	33.4	50.0





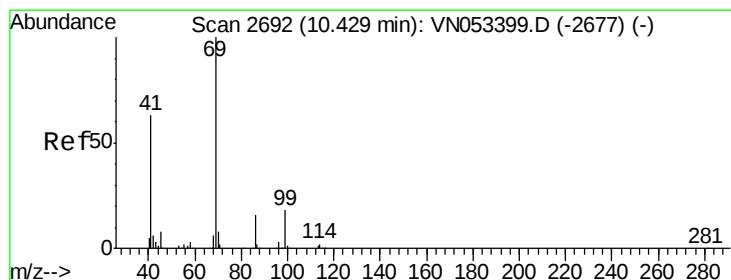
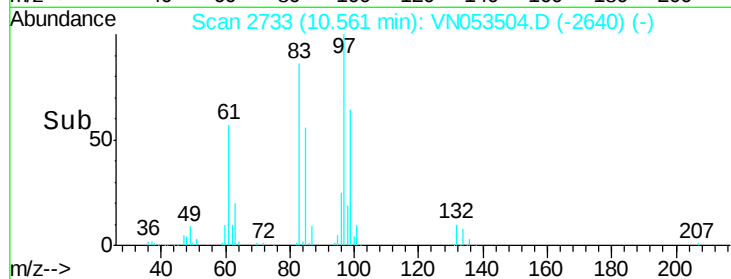
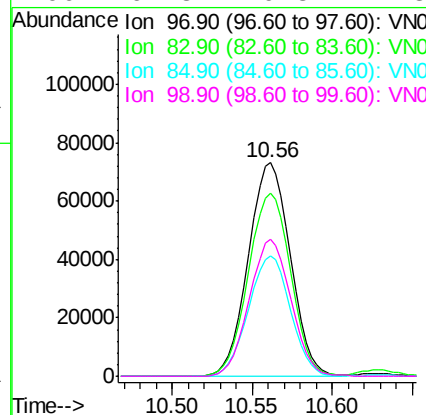
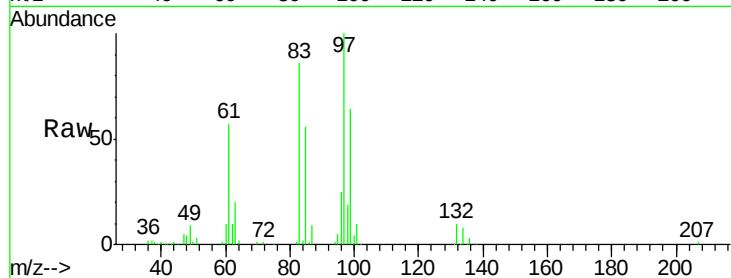
#55
 1,1,2-Trichloroethane
 Concen: 20.646 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.1	105.1
85	56.3	45.4	68.0
99	64.3	49.8	74.8

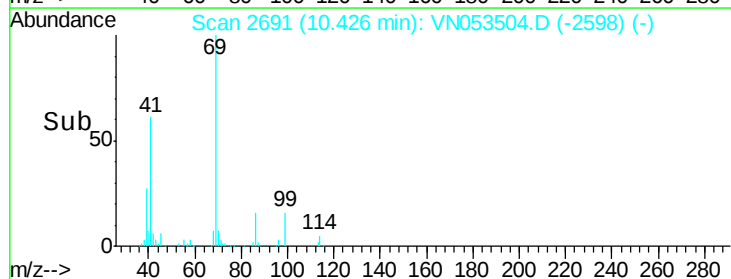
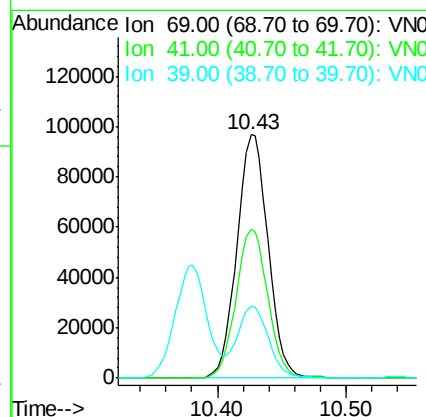
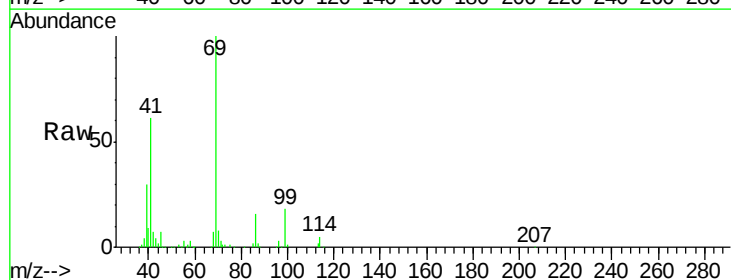
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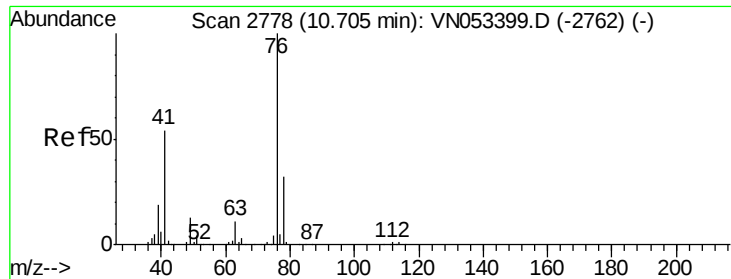
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 1/22/2019 9:47:41 AM



#56
 Ethyl methacrylate
 Concen: 19.349 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.4	74.0
39	29.1	23.3	34.9





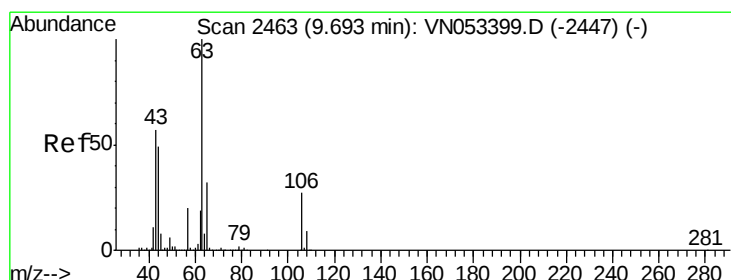
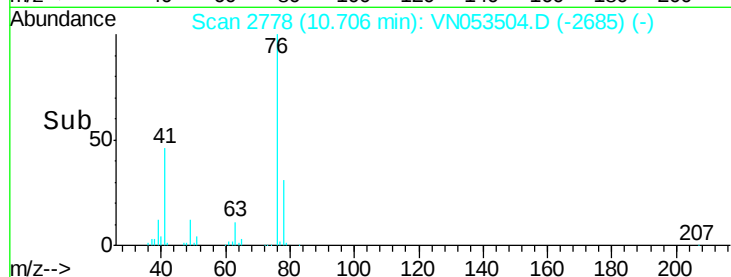
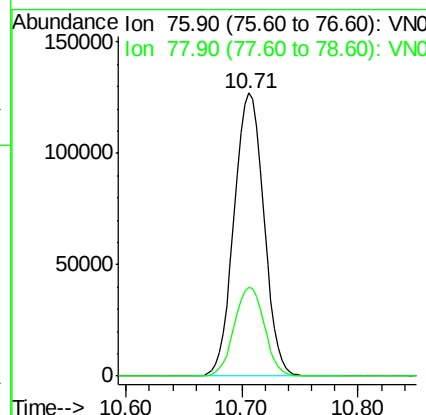
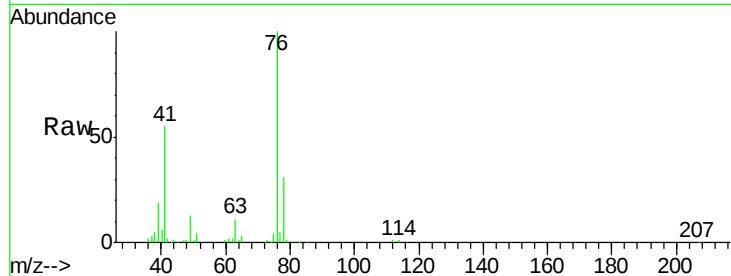
#57
 1,3-Dichloropropane
 Concen: 20.574 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

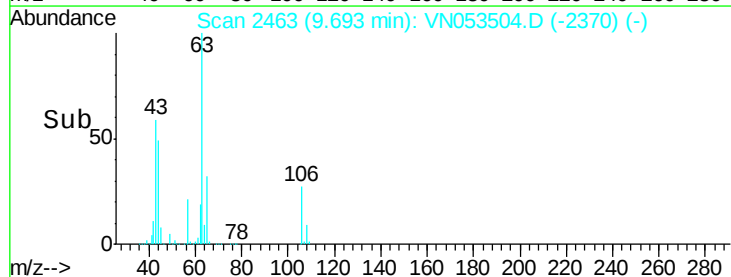
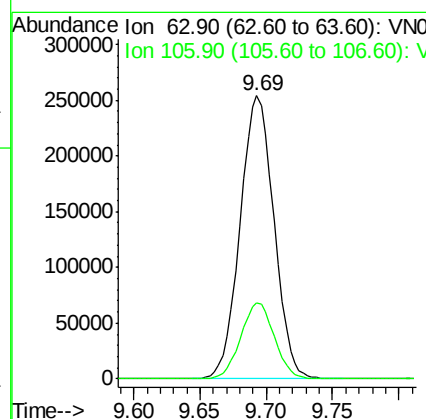
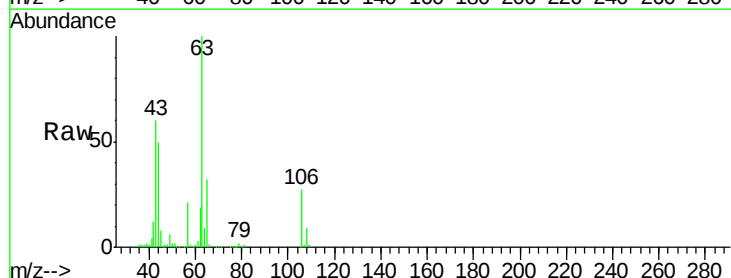
Manual Integrations
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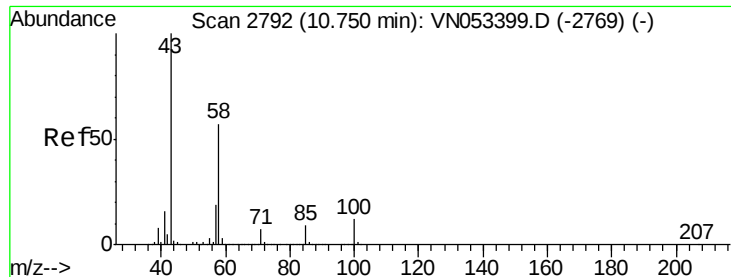
MMDadoda
 1/22/2019 9:47:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.243 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





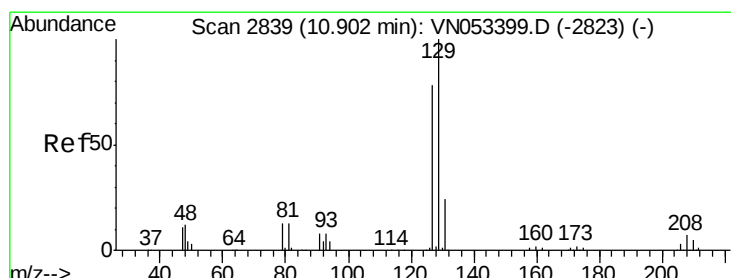
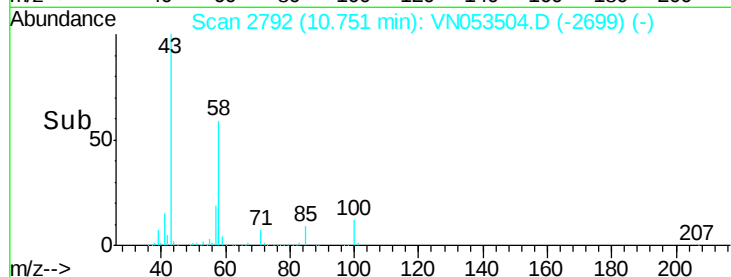
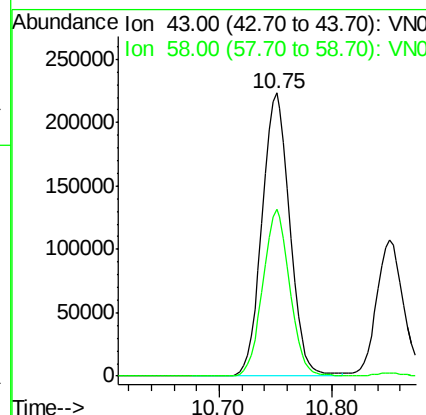
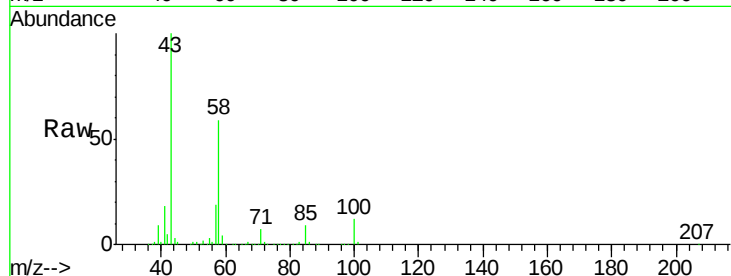
#59
2-Hexanone
Concen: 97.915 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion: 43 Resp: 379973
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8

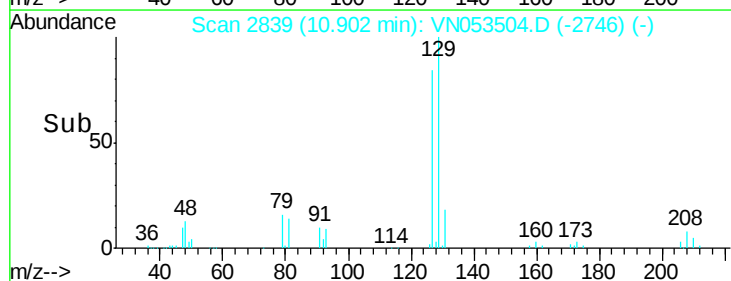
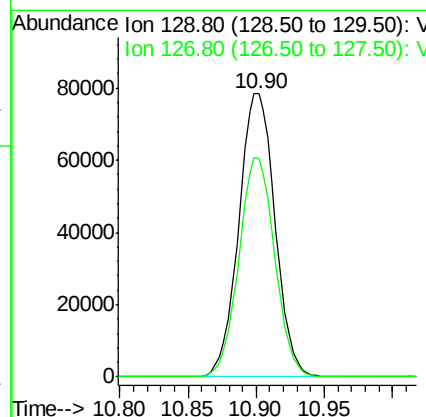
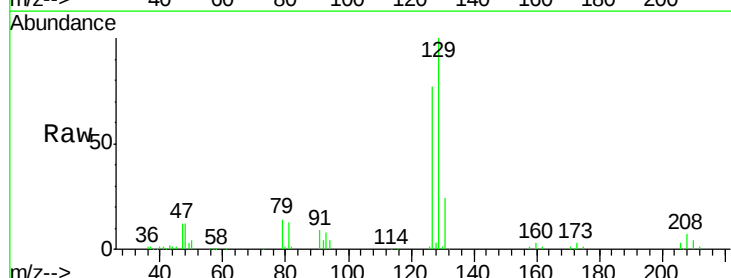
Manual Integrations
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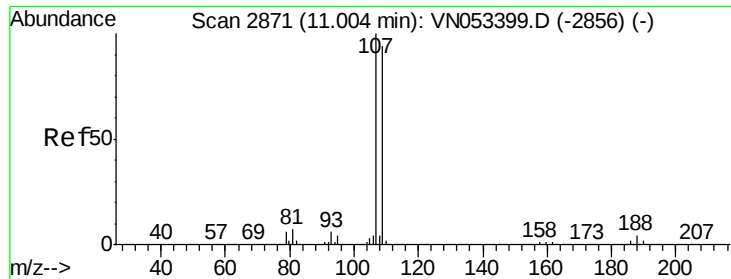
MMDadoda
1/22/2019 9:47:41 AM



#60
Dibromochloromethane
Concen: 19.983 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion: 129 Resp: 144305
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





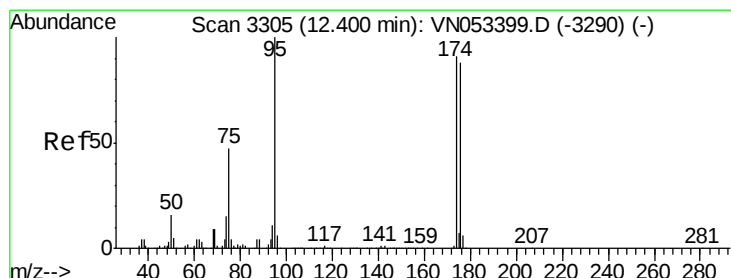
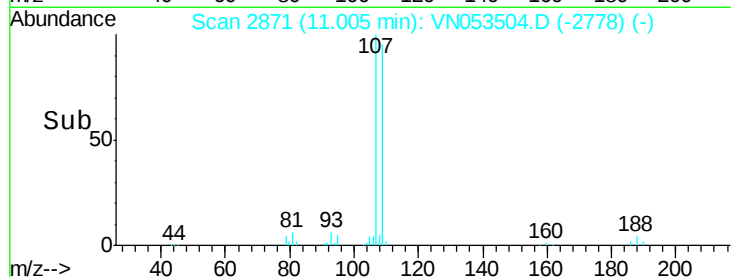
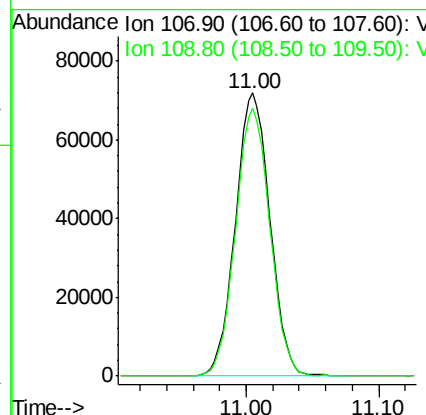
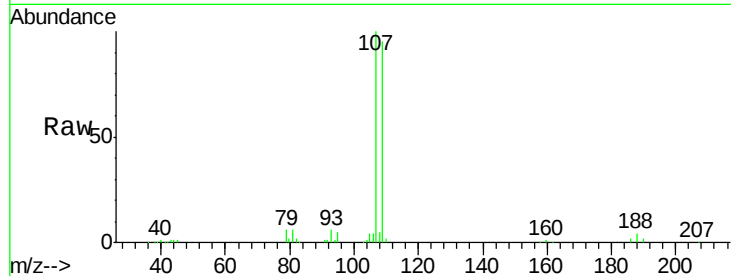
#61
 1,2-Dibromoethane
 Concen: 20.181 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.7	113.5

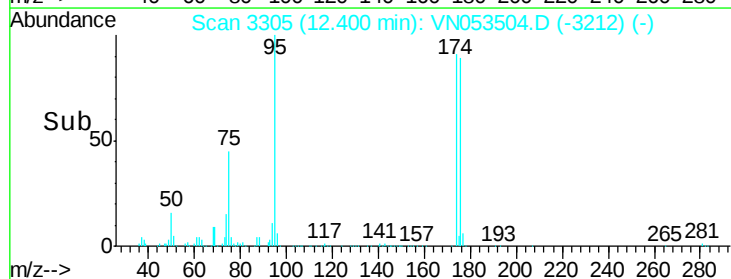
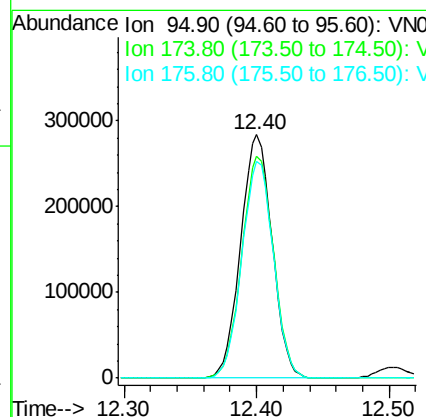
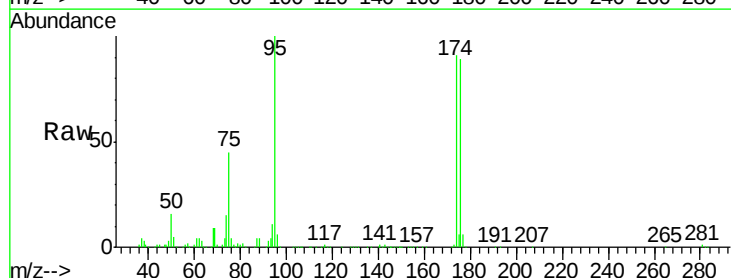
Manual Integrations
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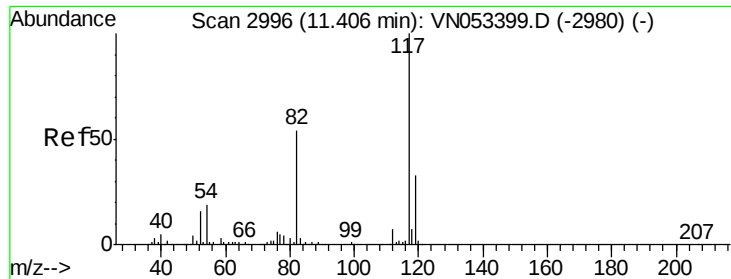
MMDadoda
 1/22/2019 9:47:41 AM



#62
 4-Bromofluorobenzene
 Concen: 20.181 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	183.2
176	89.3	0.0	177.4





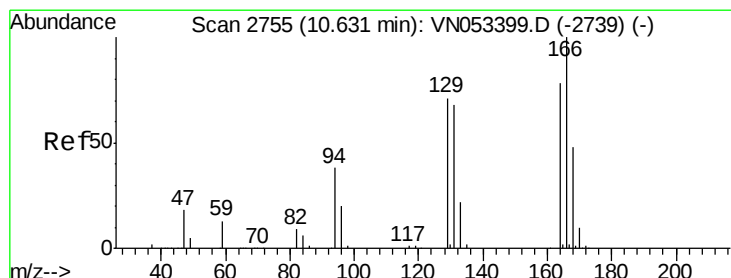
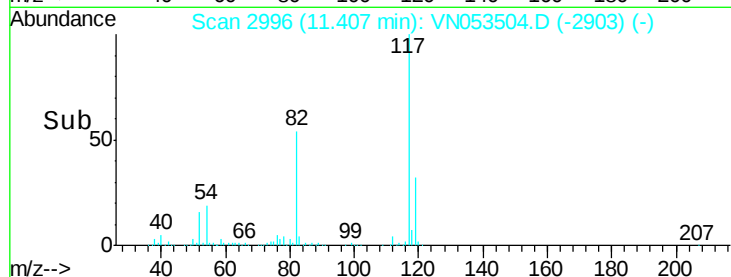
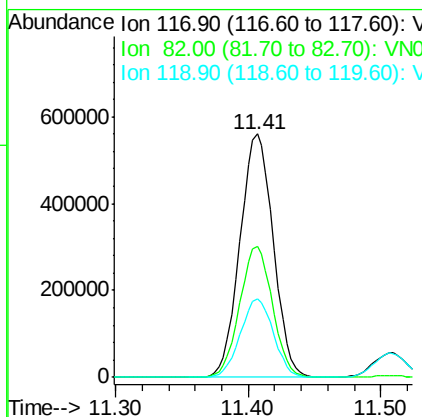
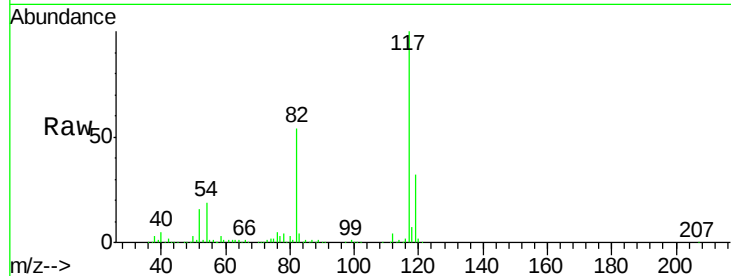
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.9	64.3
119	32.1	26.0	39.0

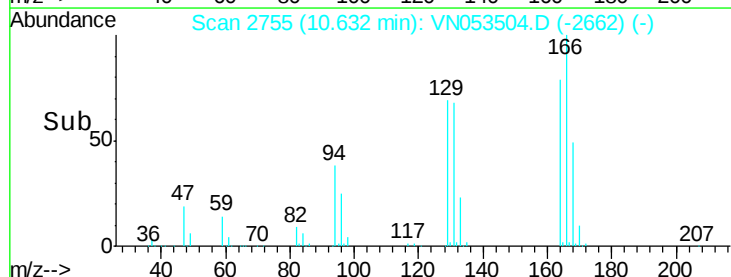
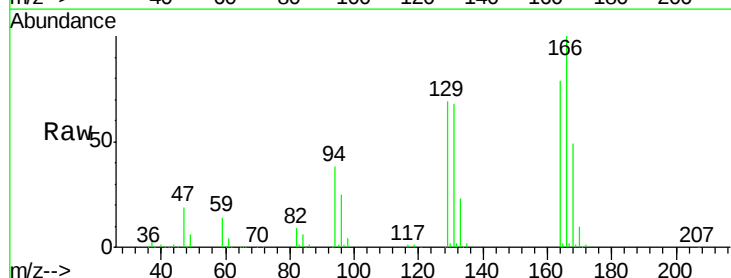
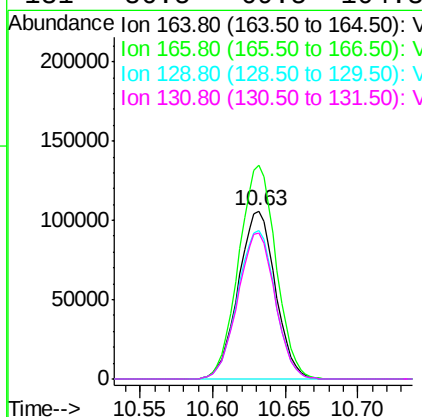
Manual Integrations
APPROVED

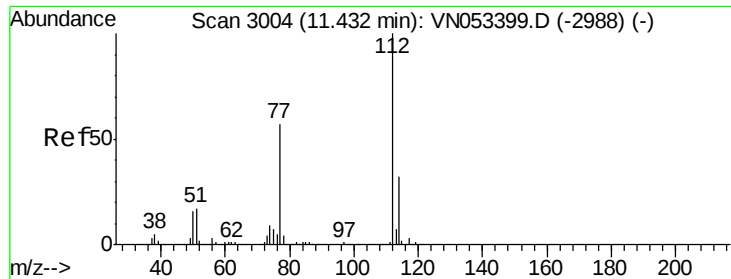
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#64
Tetrachloroethene
Concen: 20.457 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.2	153.4
129	88.1	72.6	109.0
131	86.5	69.5	104.3





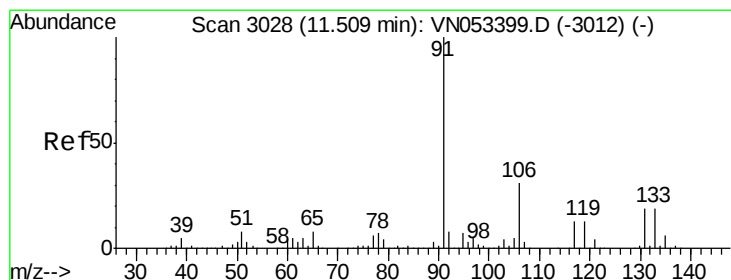
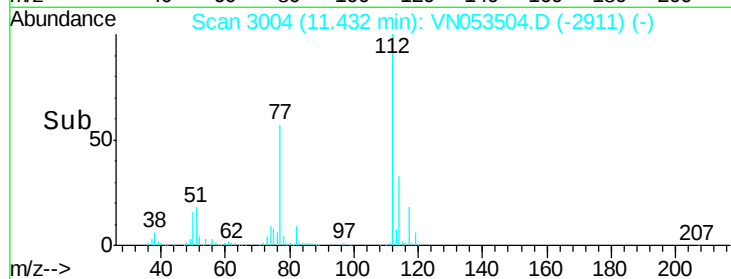
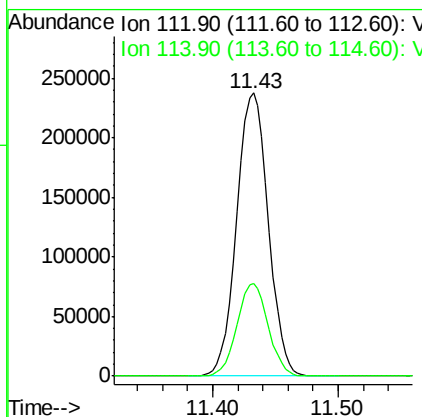
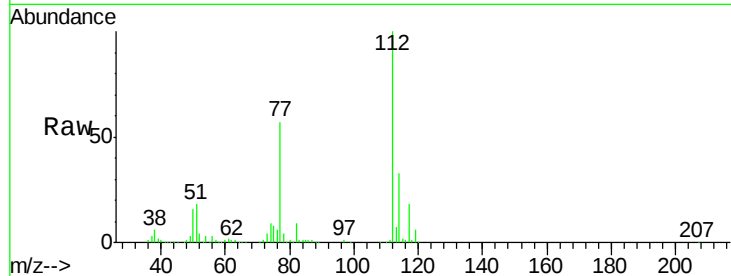
#65
Chlorobenzene
Concen: 20.111 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion:112 Resp: 415678
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9

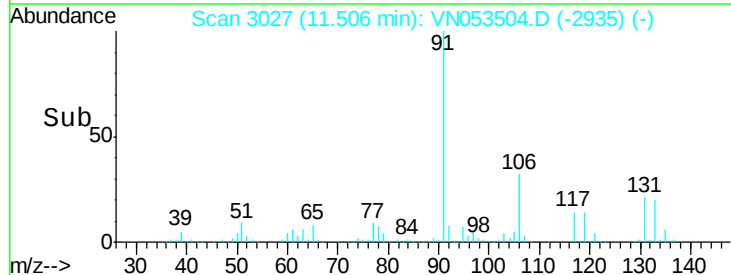
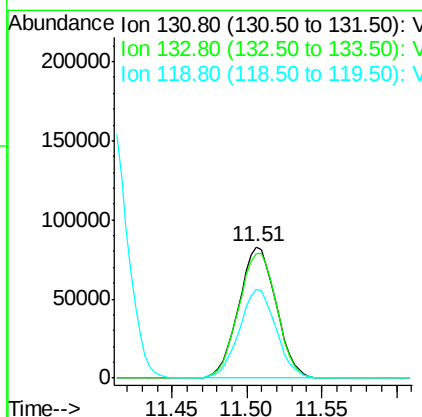
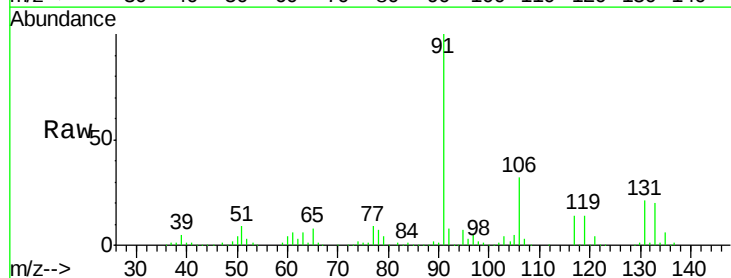
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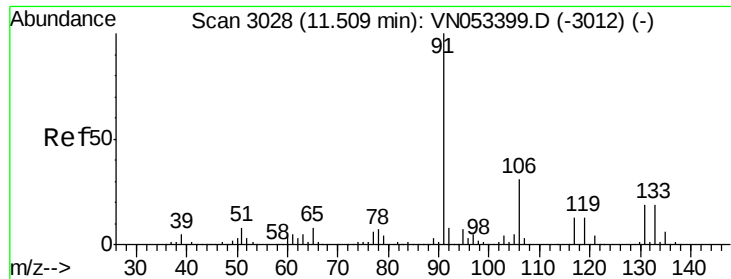
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.115 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion:131 Resp: 144638
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 66.4 33.5 100.5





#67

Ethyl Benzene

Concen: 19.718 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 91 Resp: 694561

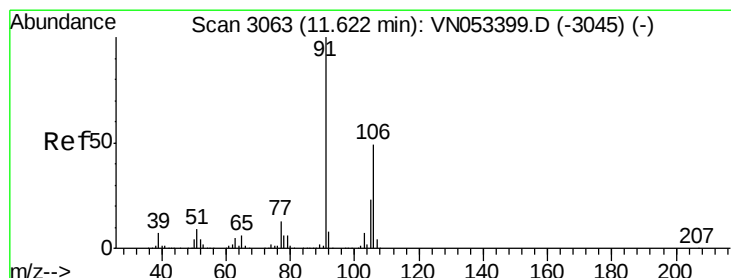
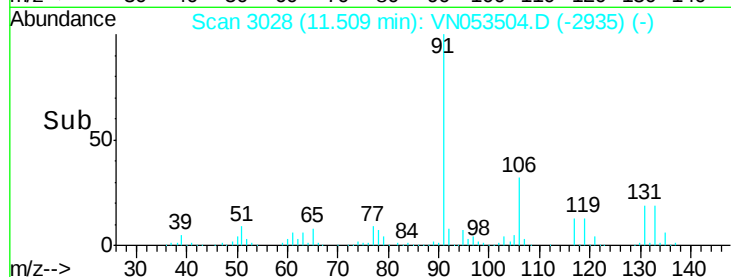
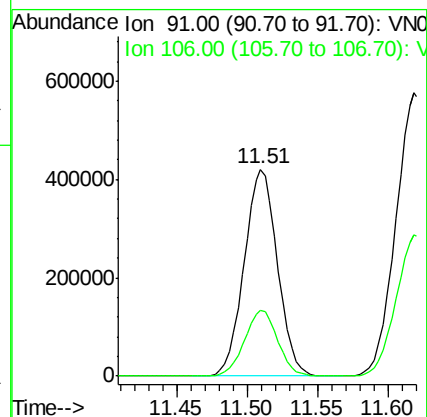
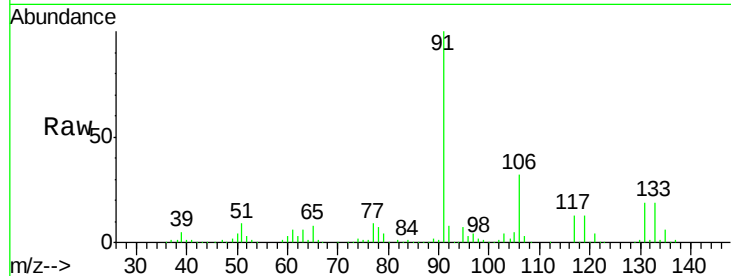
Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.6

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#68

m/p-Xylenes

Concen: 41.027 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053504.D

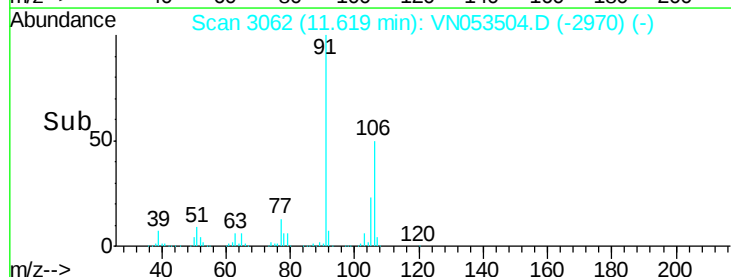
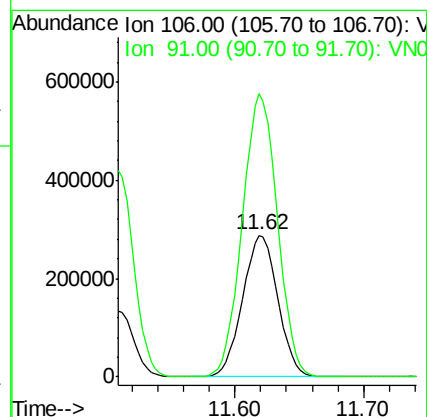
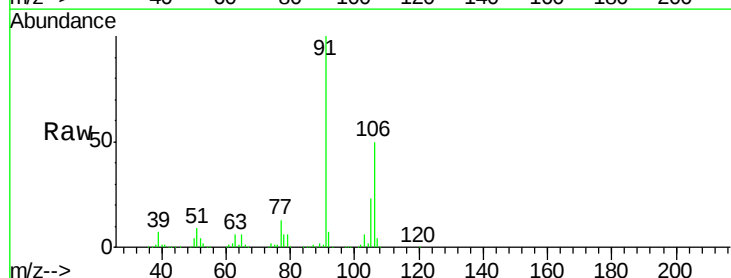
Acq: 21 Jan 2019 14:04

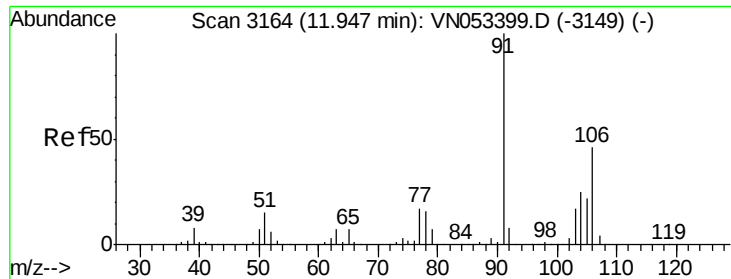
Tgt Ion: 106 Resp: 545645

Ion Ratio Lower Upper

106 100

91 199.8 161.4 242.2





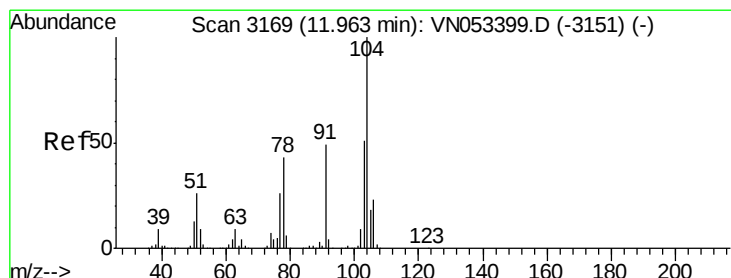
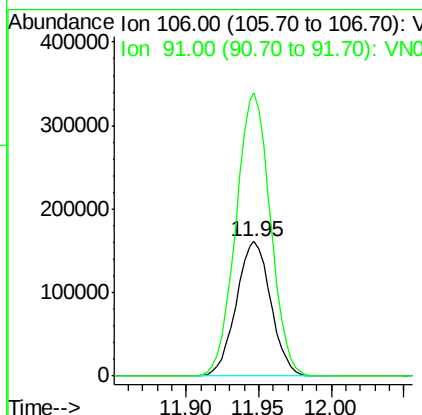
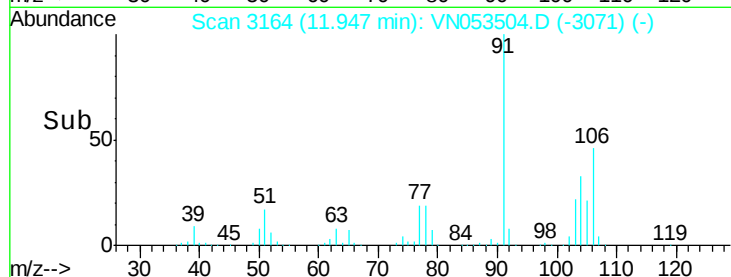
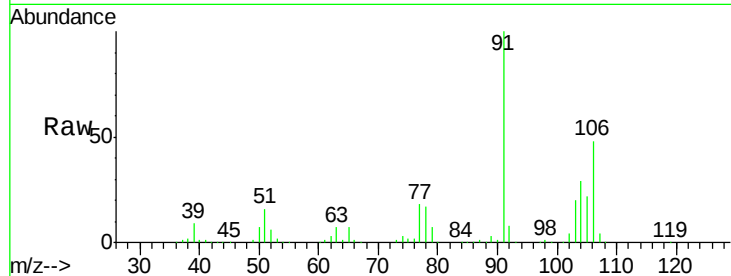
#69
o-Xylene
Concen: 20.646 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion:106 Resp: 266815
Ion Ratio Lower Upper
106 100
91 209.9 106.9 320.8

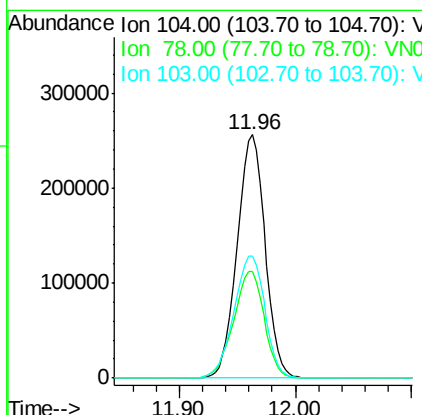
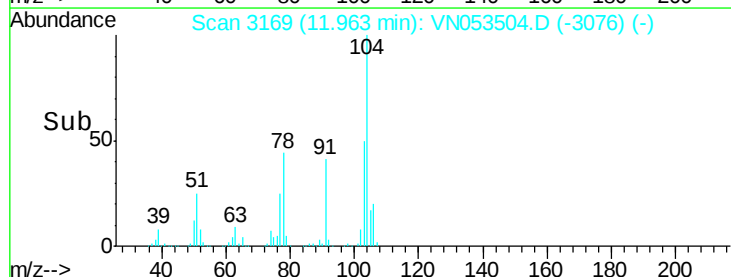
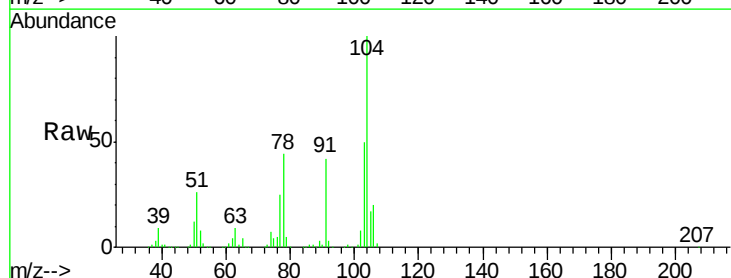
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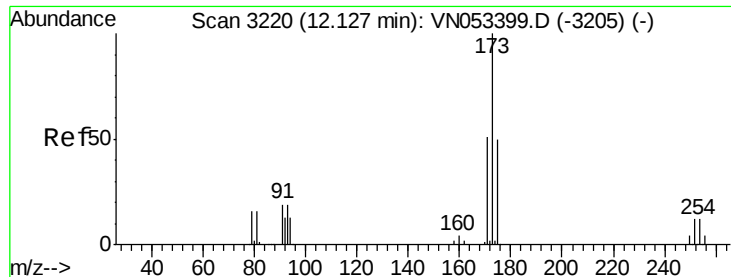
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#70
Styrene
Concen: 20.402 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion:104 Resp: 427903
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.7 44.4 66.6





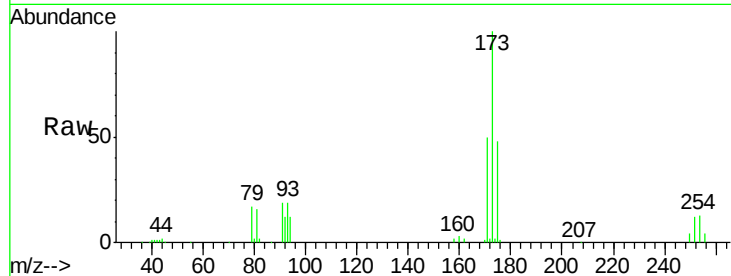
#71
Bromoform
Concen: 19.914 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

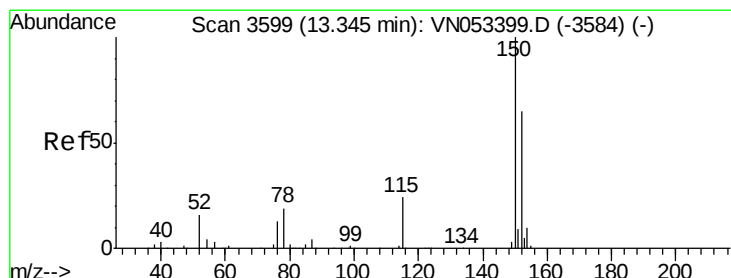
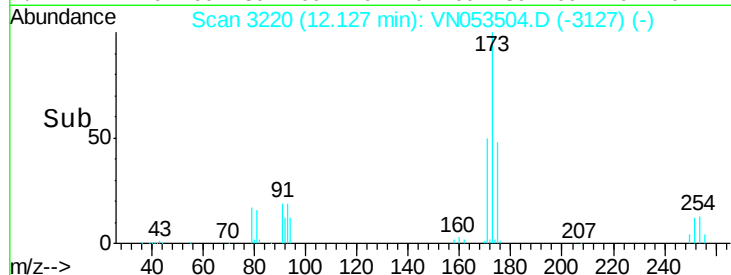
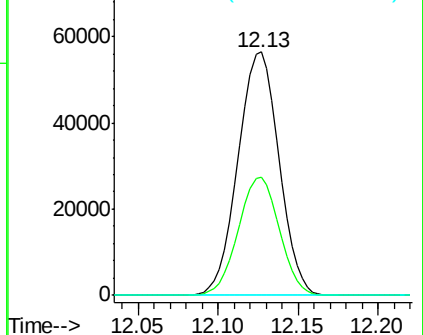
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.0	0.2	0.2#

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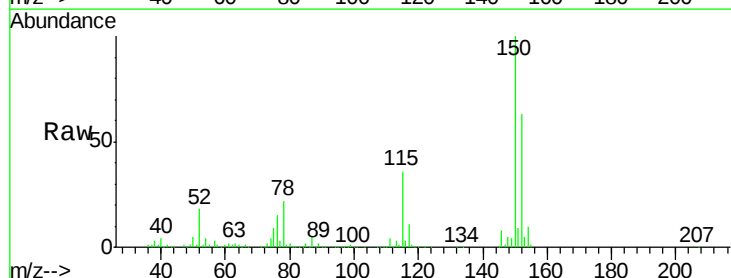


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

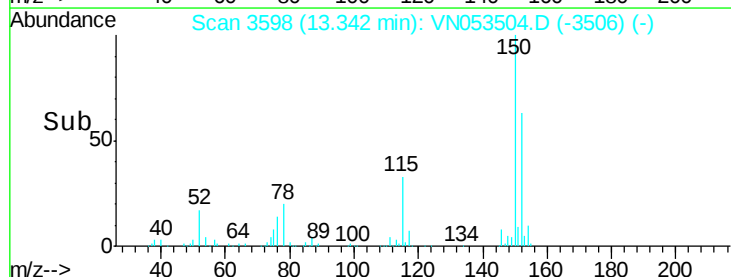
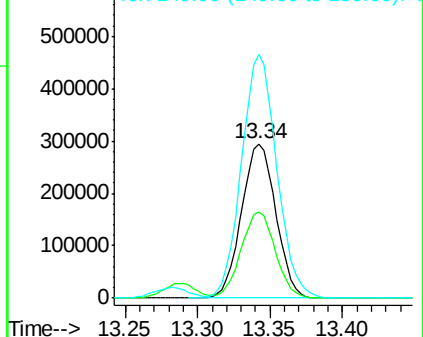


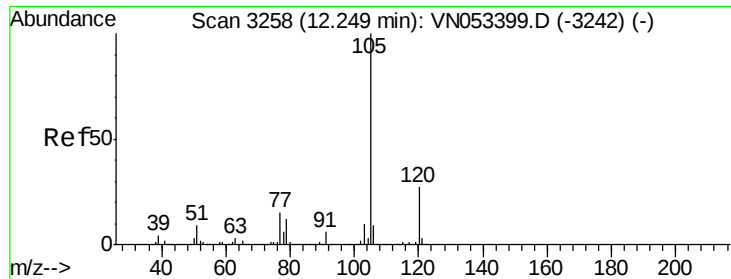
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	162.1	0.0	349.0



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





#73

Isopropylbenzene

Concen: 19.582 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleID :

VN0121MBSD01

Tot Ion:105 Resp: 696948

Ion Ratio Lower Upper

105 100

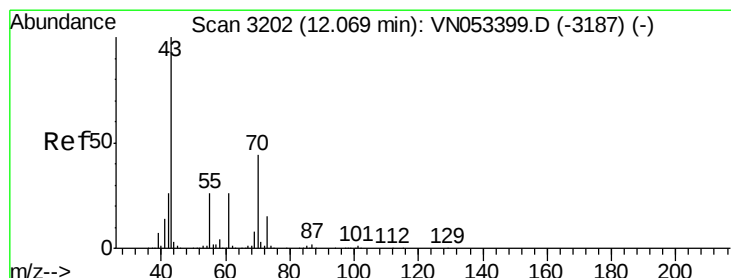
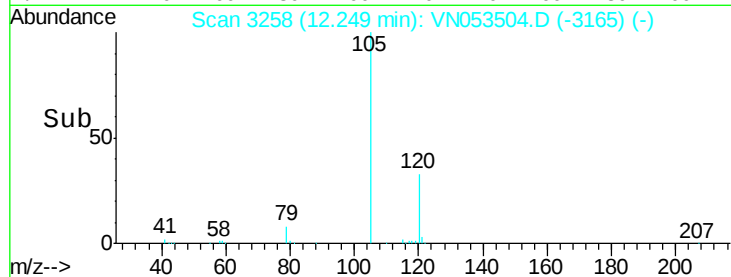
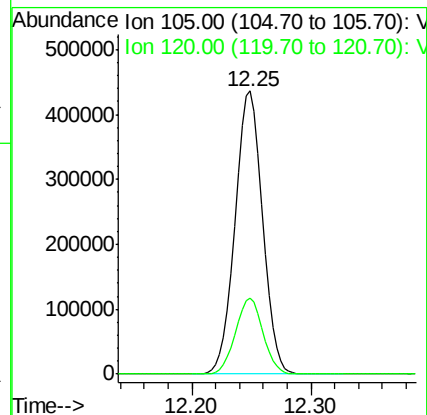
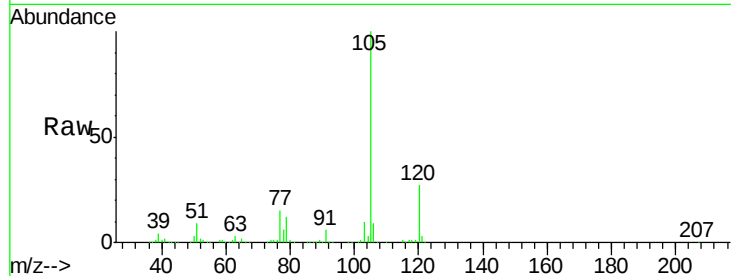
120 26.9 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.573 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion: 43 Resp: 185711

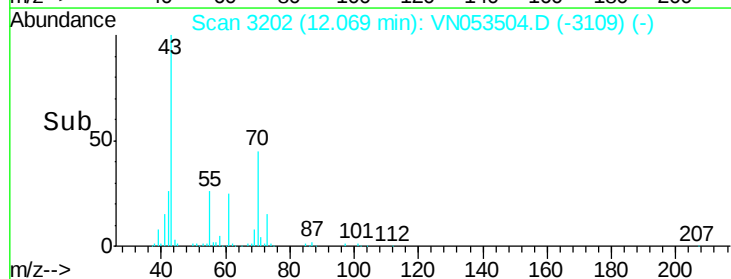
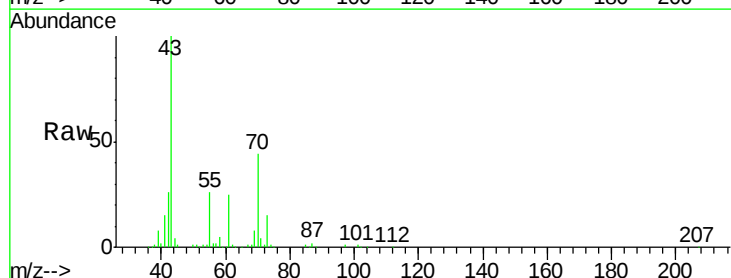
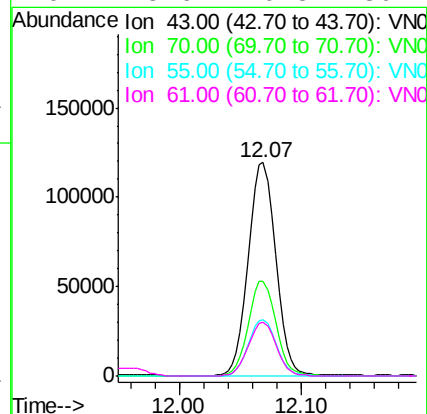
Ion Ratio Lower Upper

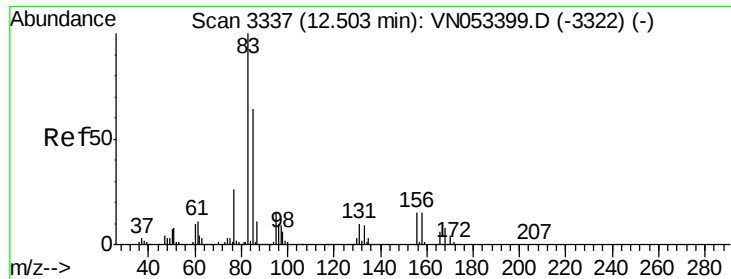
43 100

70 44.8 35.4 53.2

55 27.1 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.268 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 83 Resp: 143823

Ion Ratio Lower Upper

83 100

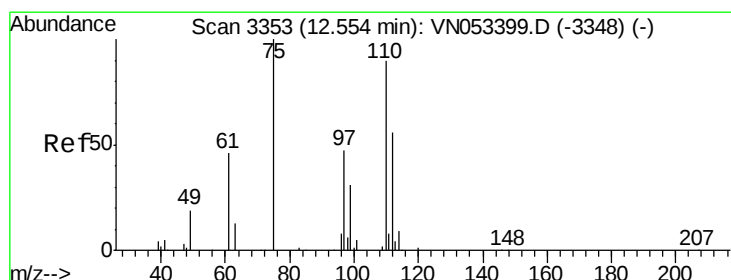
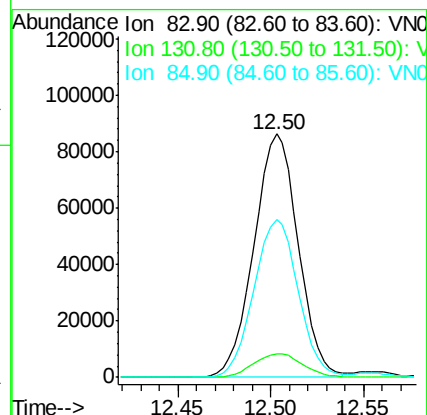
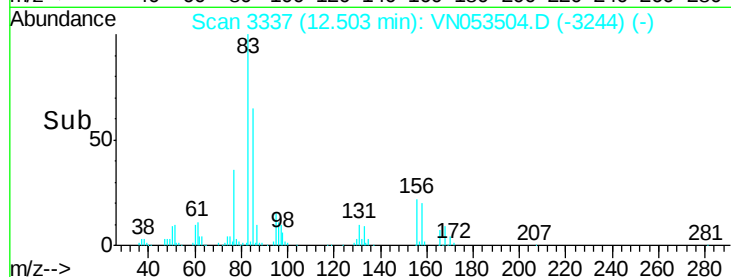
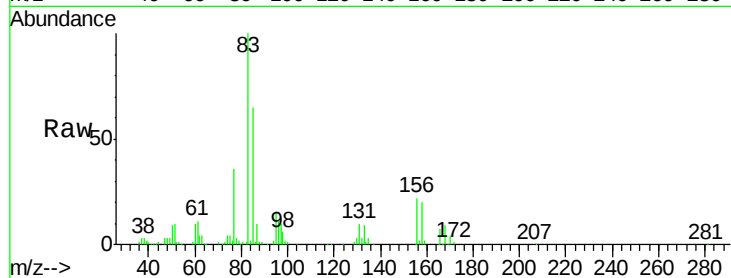
131 10.6 5.3 15.8

85 65.0 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 19.992 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053504.D

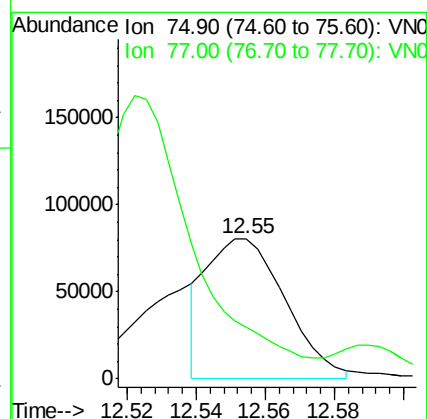
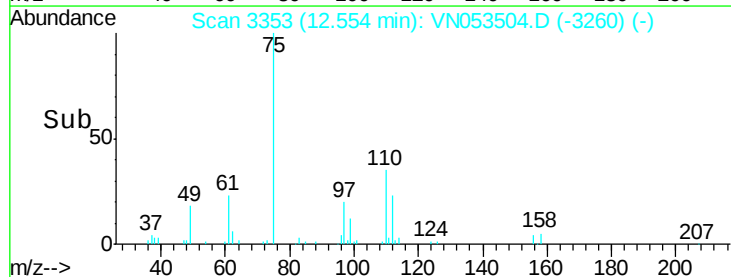
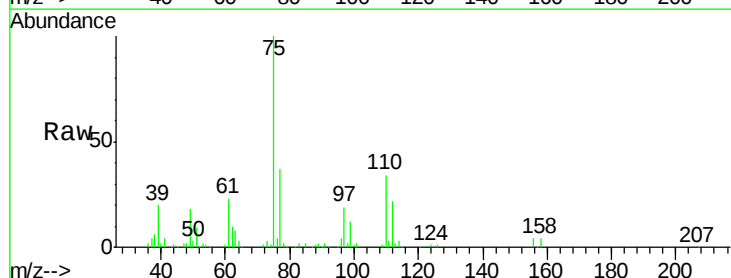
Acq: 21 Jan 2019 14:04

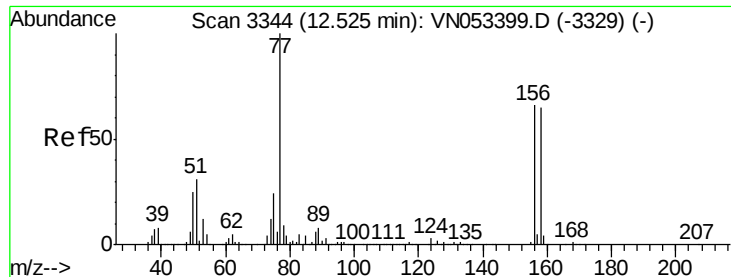
Tgt Ion: 75 Resp: 128047

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.817 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

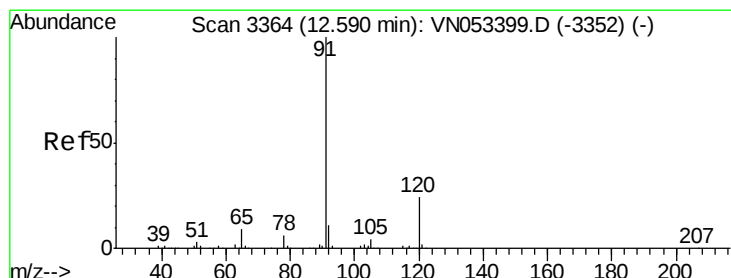
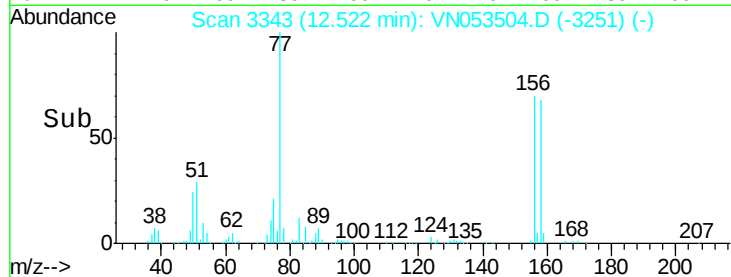
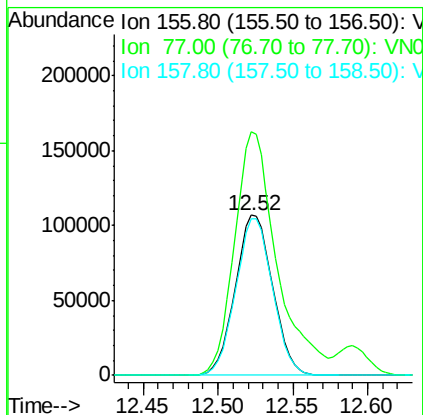
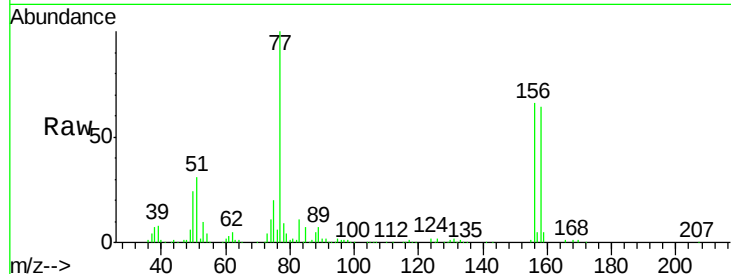
ClientSampleId :

VN0121MBSD01

Tot Ion:	156	Resp:	185856
Ion Ratio	Lower	Upper	
156	100		
77	173.1	87.9	263.8
158	96.6	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.780 ug/l

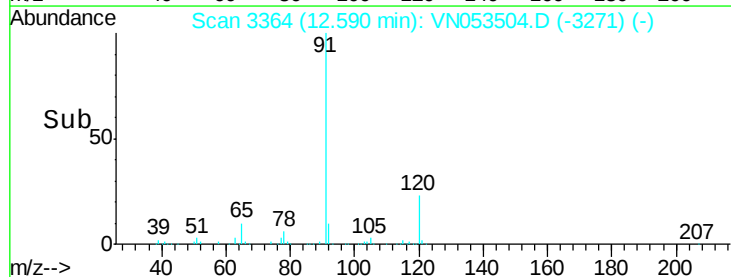
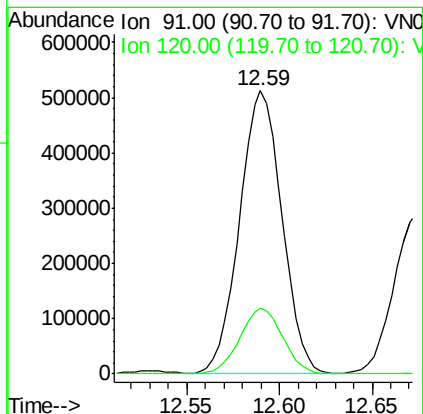
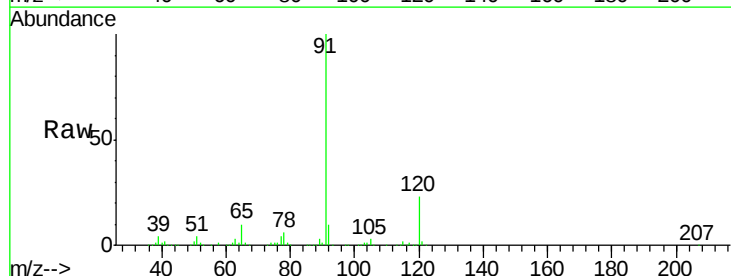
RT: 12.59 min Scan# 3364

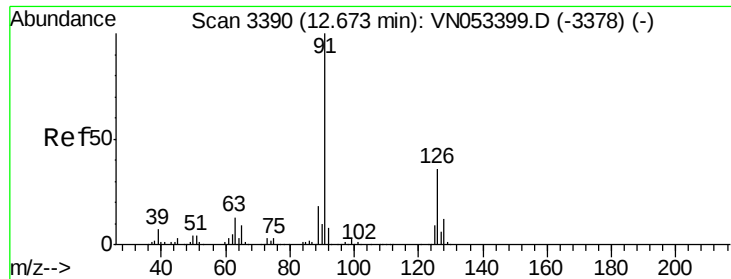
Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion:	91	Resp:	808118
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.882 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion: 91 Resp: 481479

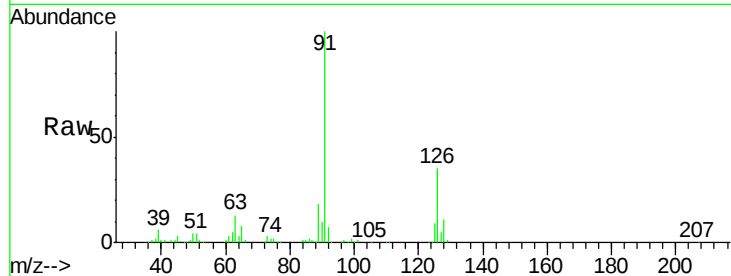
Ion Ratio Lower Upper

91 100

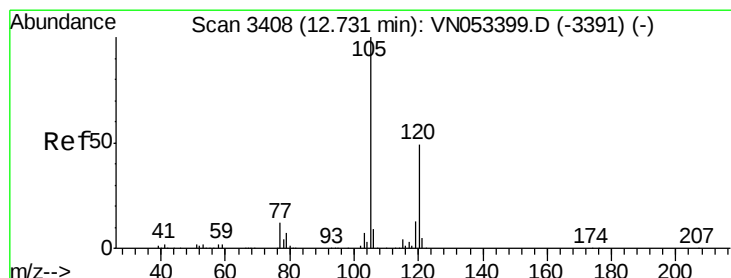
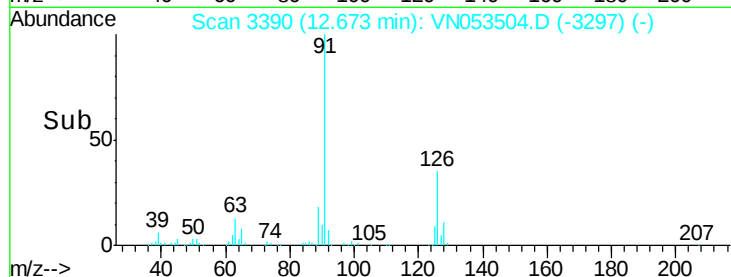
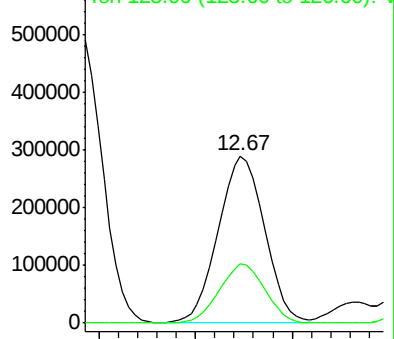
126 35.1 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.025 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053504.D

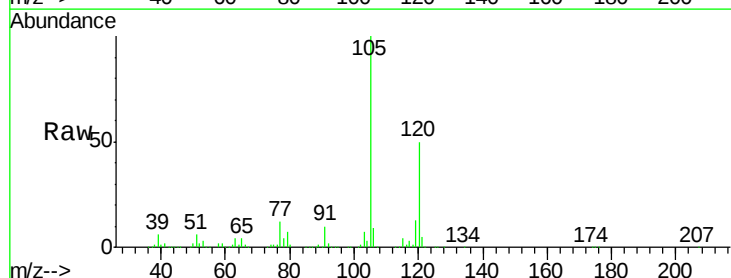
Acq: 21 Jan 2019 14:04

Tgt Ion: 105 Resp: 579892

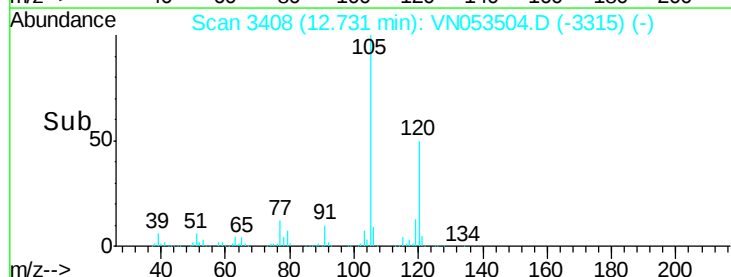
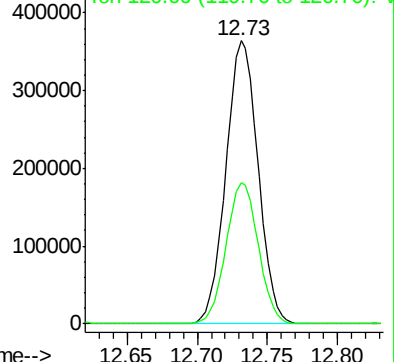
Ion Ratio Lower Upper

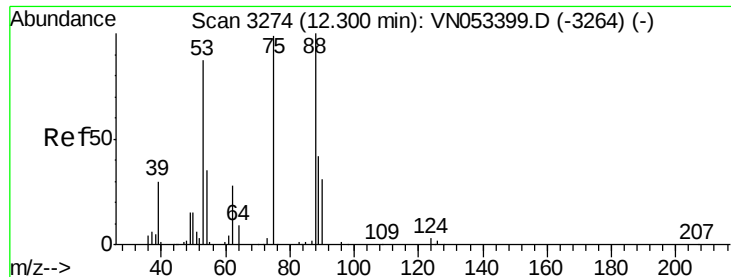
105 100

120 50.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.573 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

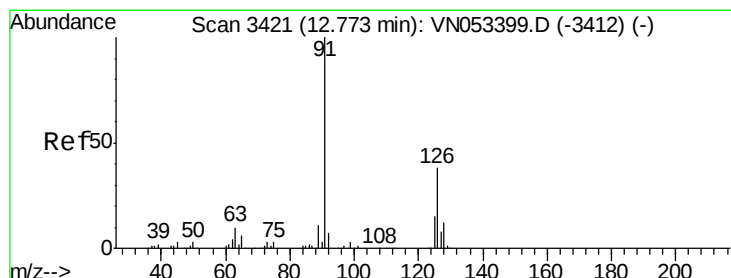
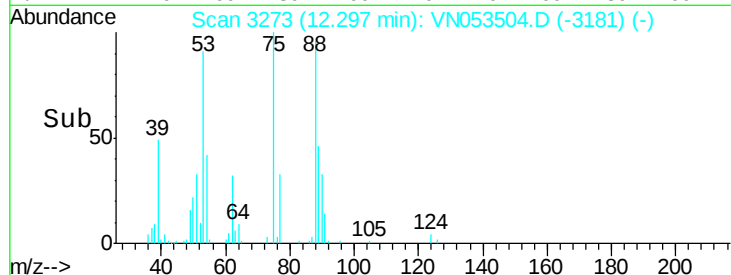
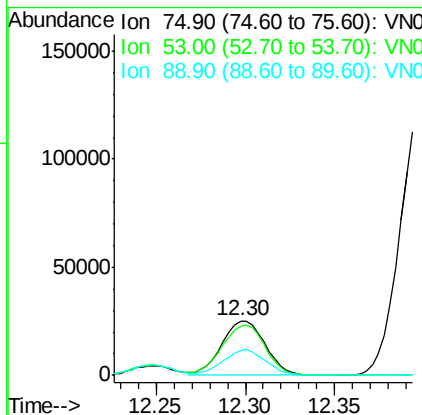
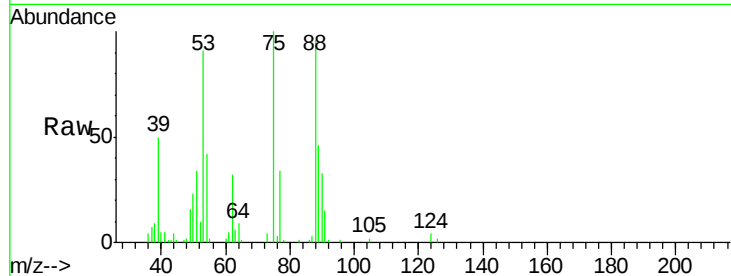
ClientSampleId :

VN0121MBSD01

Tot Ion:	75	Resp:	42759
Ion	Ratio	Lower	Upper
75	100		
53	93.1	69.8	104.6
89	45.2	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.709 ug/l

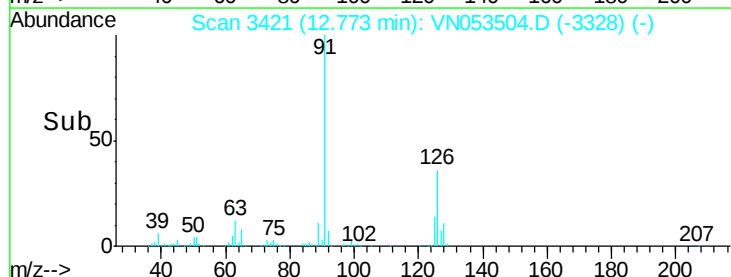
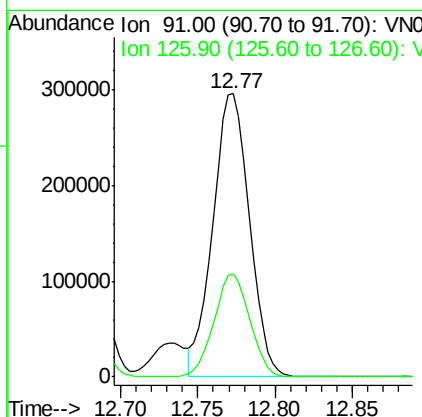
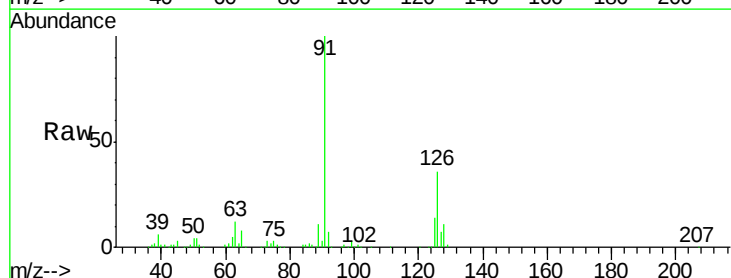
RT: 12.77 min Scan# 3421

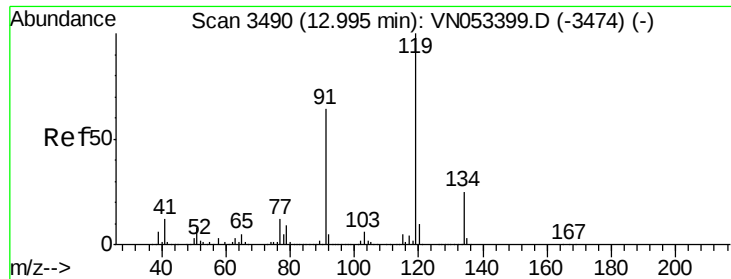
Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion:	91	Resp:	486726
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.9





#83

tert-Butylbenzene

Concen: 20.185 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

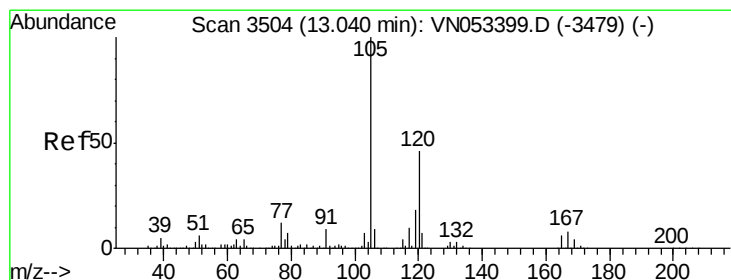
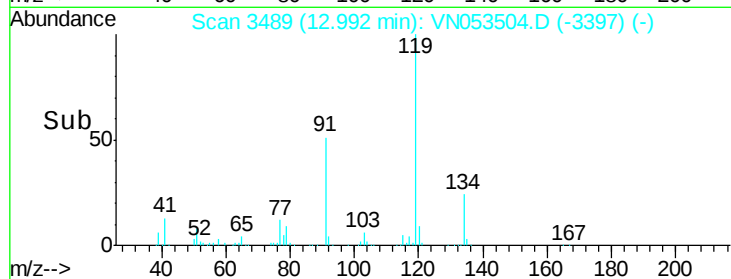
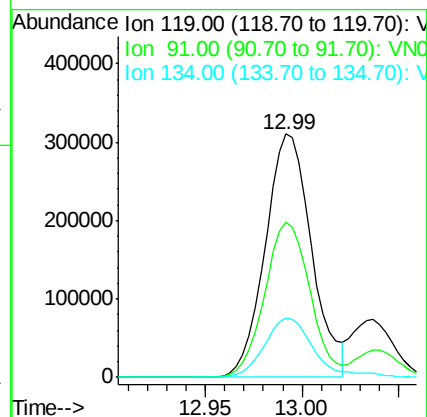
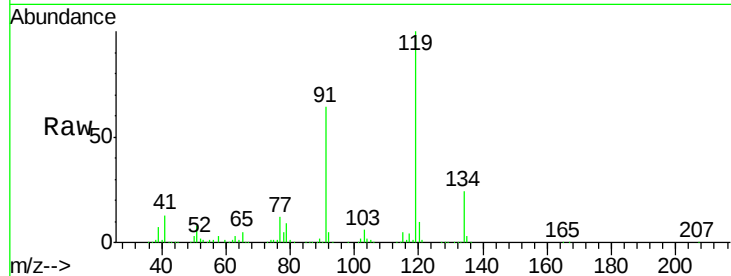
ClientSampleId :

VN0121MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		516271		
91	62.3	31.3	93.8		
134	26.0	12.9	38.7		

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#84

1,2,4-Trimethylbenzene

Concen: 20.190 ug/l

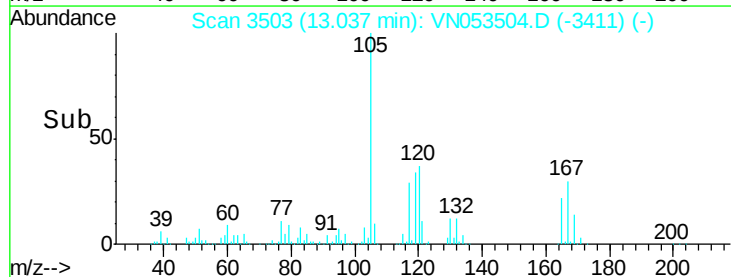
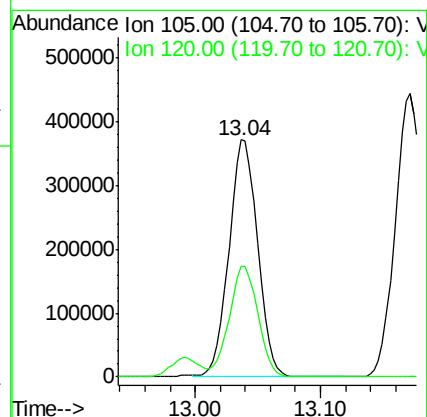
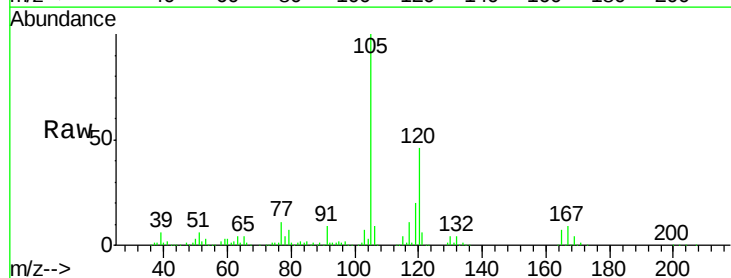
RT: 13.04 min Scan# 3503

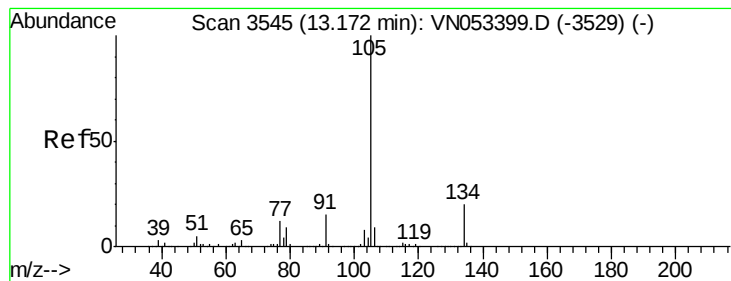
Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		589514		
120	46.5	23.0	69.0		





#85

sec-Butylbenzene

Concen: 20.008 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBSD01

Tot Ion:105 Resp: 701816

Ion Ratio Lower Upper

105 100

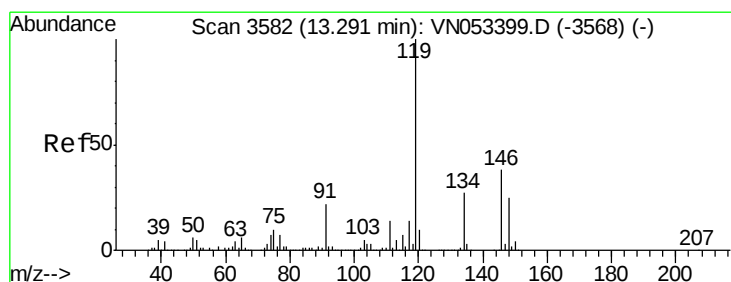
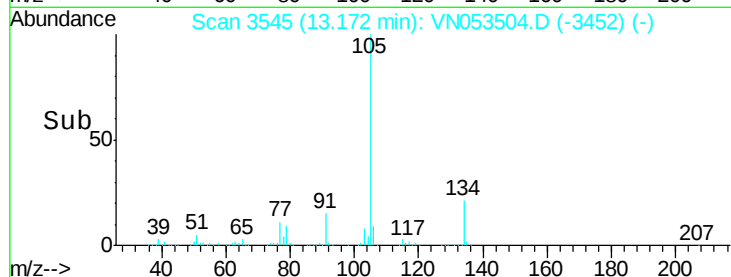
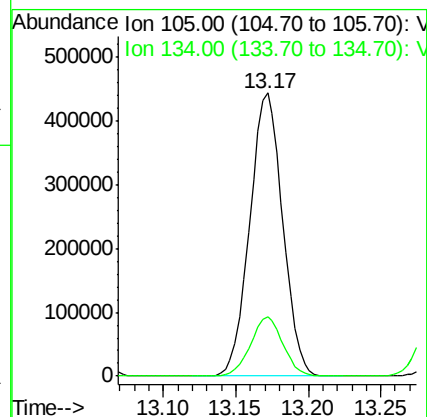
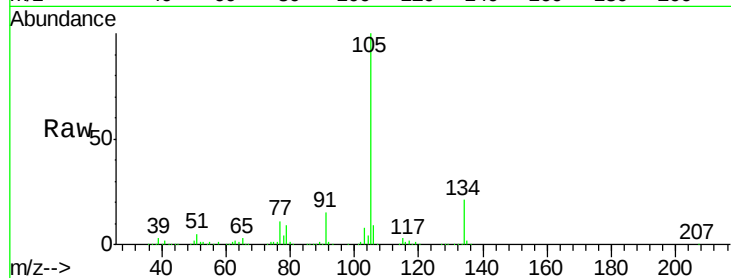
134 20.4 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.059 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053504.D

Acq: 21 Jan 2019 14:04

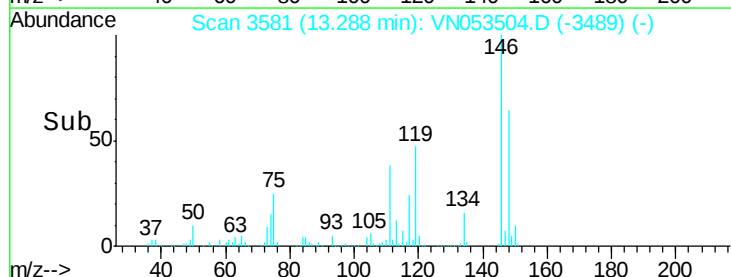
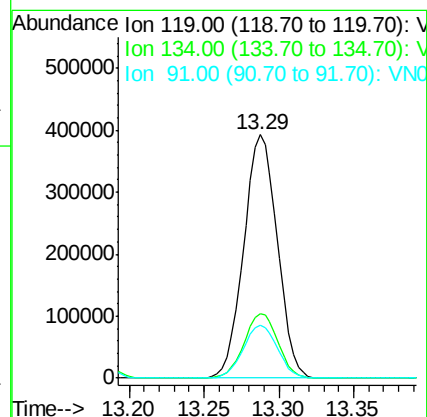
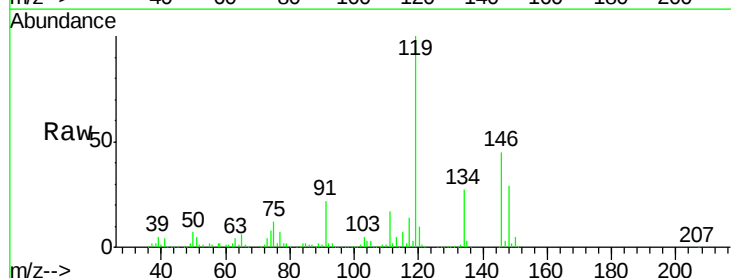
Tgt Ion:119 Resp: 610929

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.3 11.0 33.0





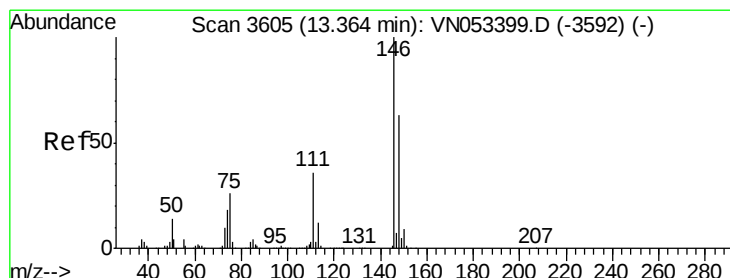
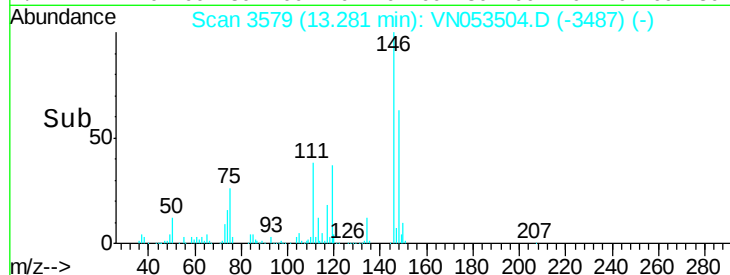
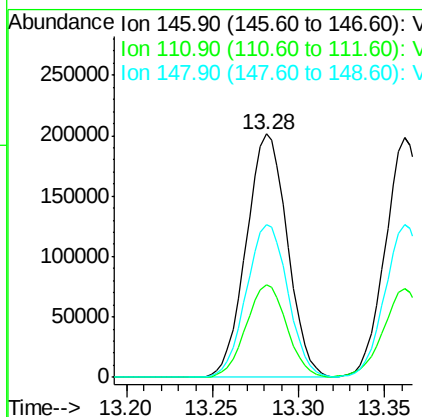
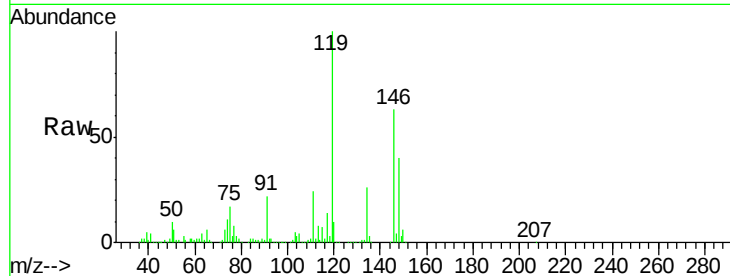
#87
 1,3-Dichlorobenzene
 Concen: 20.249 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.4	32.0	96.2

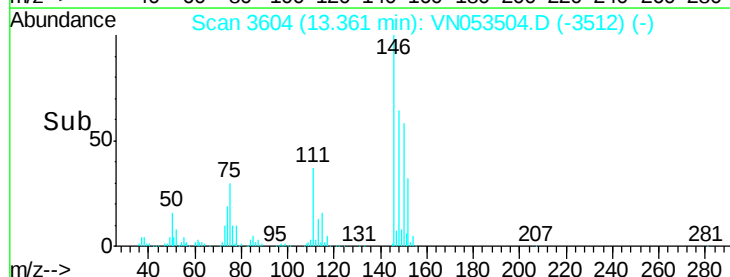
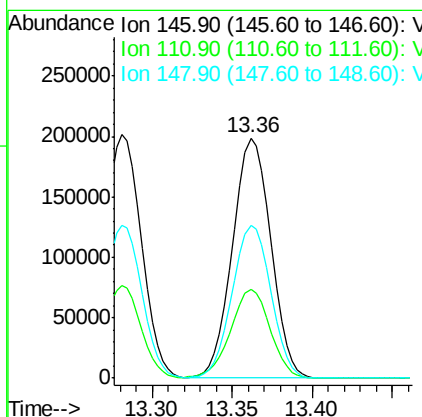
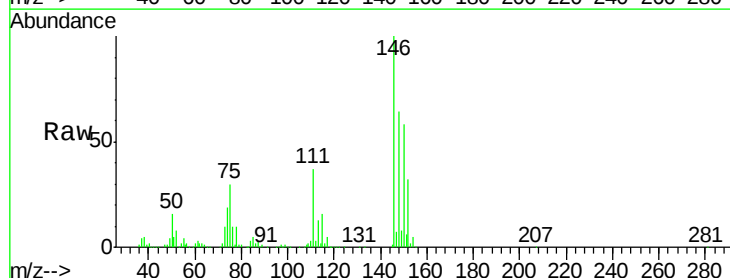
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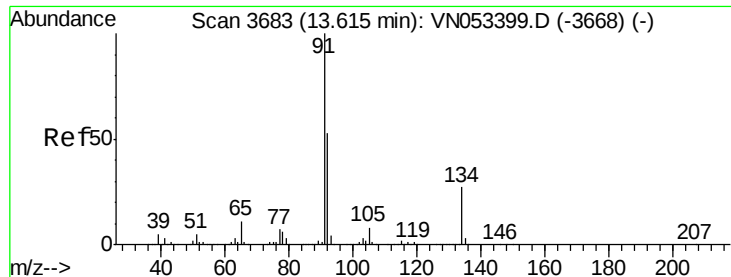
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#88
 1,4-Dichlorobenzene
 Concen: 19.636 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.3	32.4	97.0





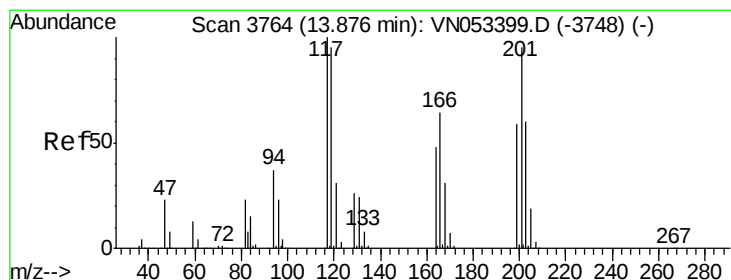
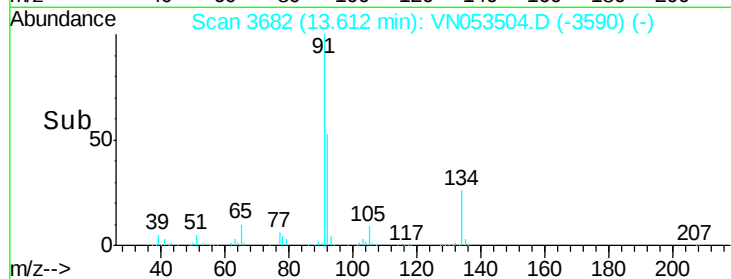
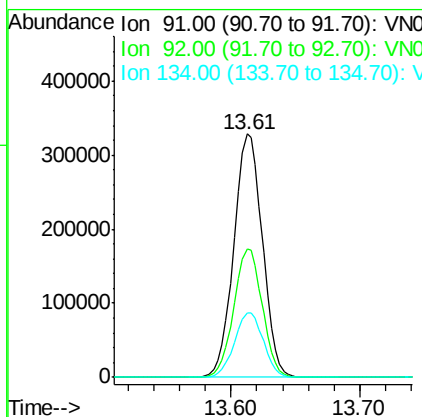
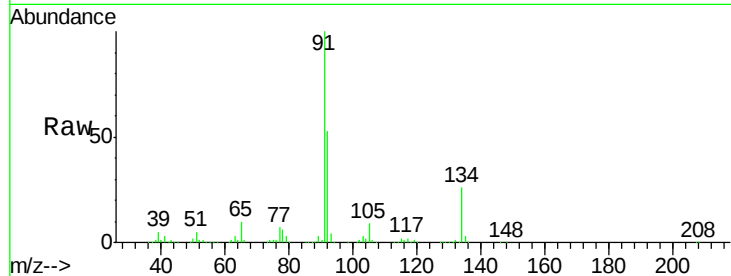
#89
n-Butylbenzene
Concen: 19.433 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.9	13.5	40.5

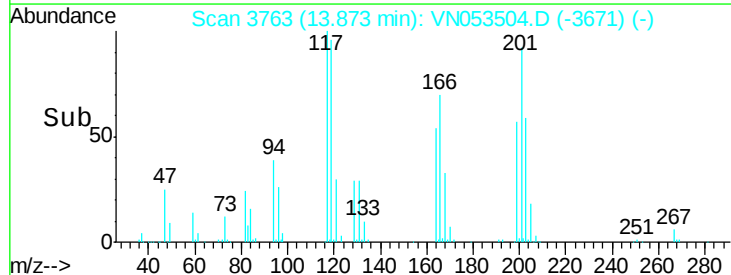
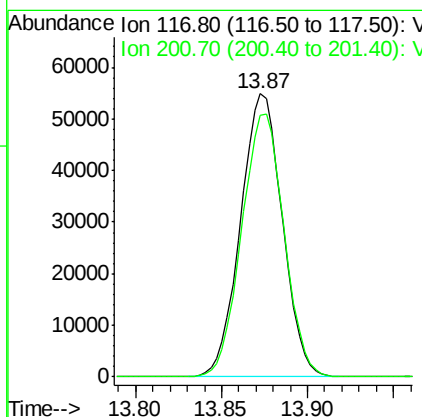
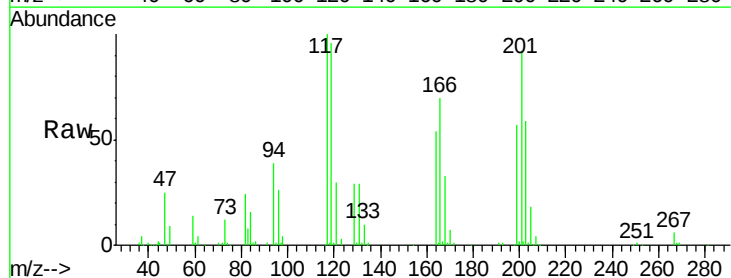
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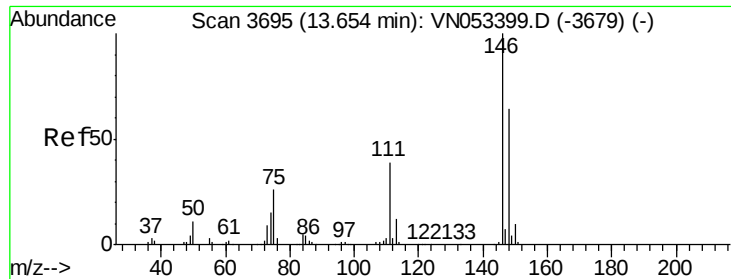
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#90
Hexachloroethane
Concen: 19.336 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.1	46.8	140.4





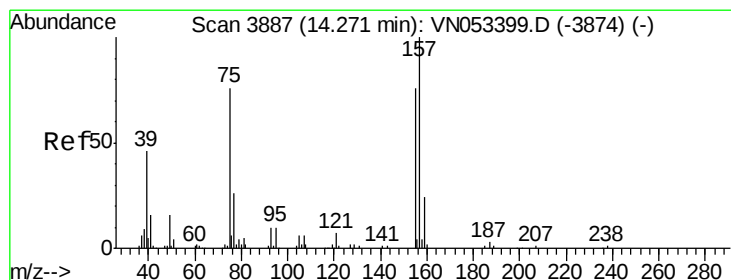
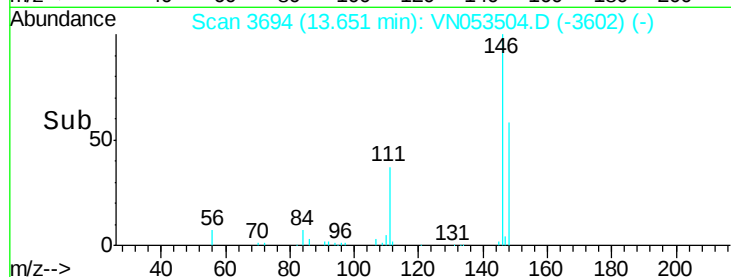
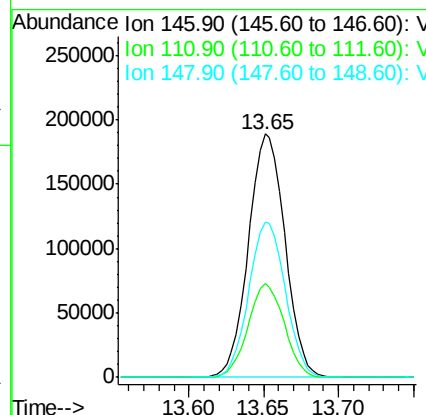
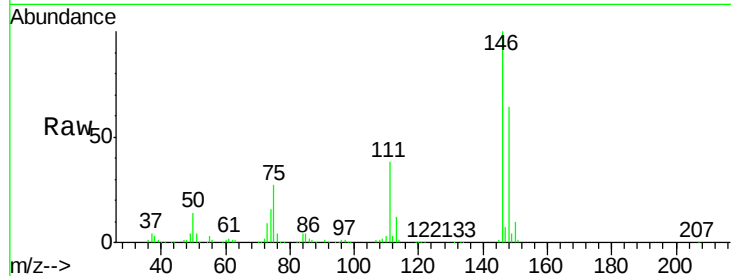
#91
 1,2-Dichlorobenzene
 Concen: 21.156 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	64.0	31.9	95.9

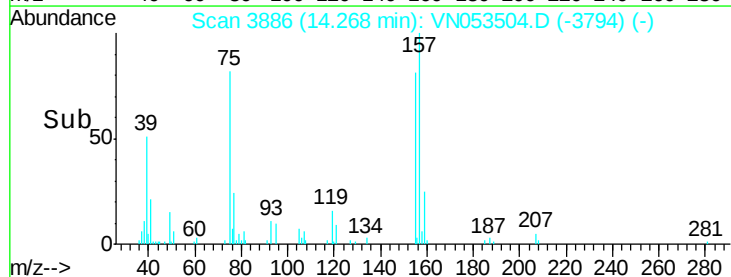
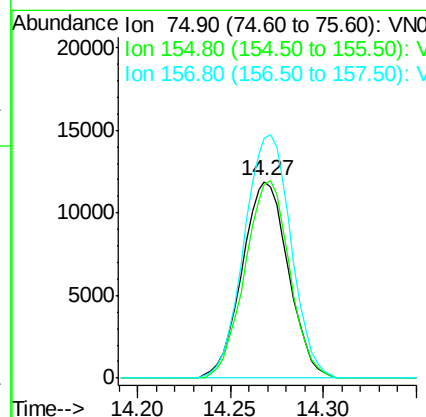
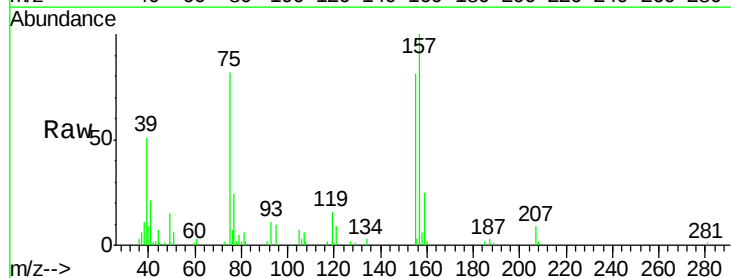
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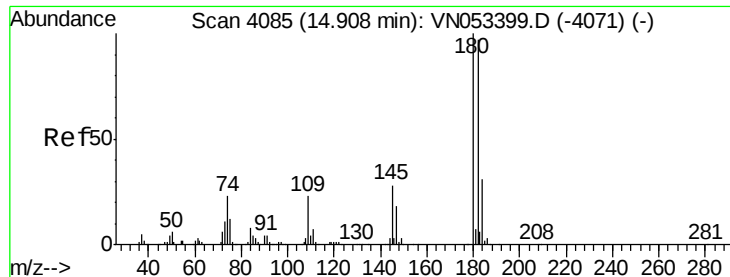
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.762 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.9	146.7
157	125.4	63.7	191.3





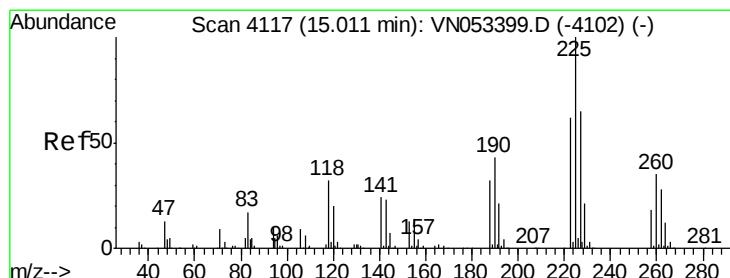
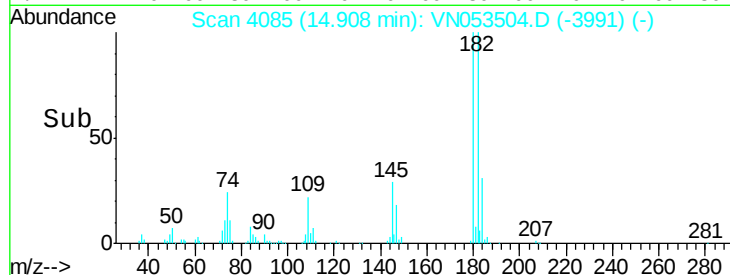
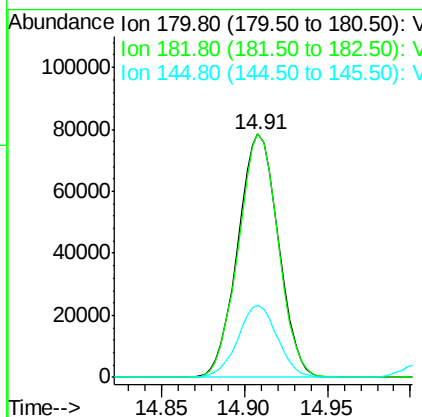
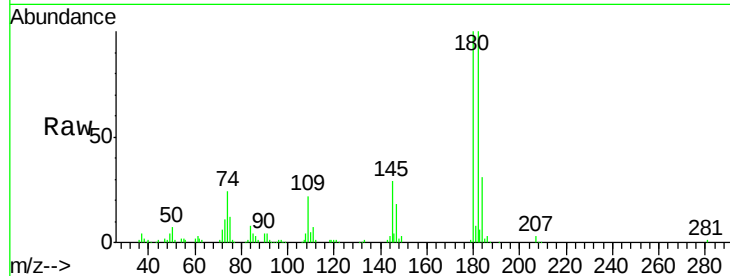
#93
 1,2,4-Trichlorobenzene
 Concen: 21.564 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.1	144.3
145	28.9	13.9	41.6

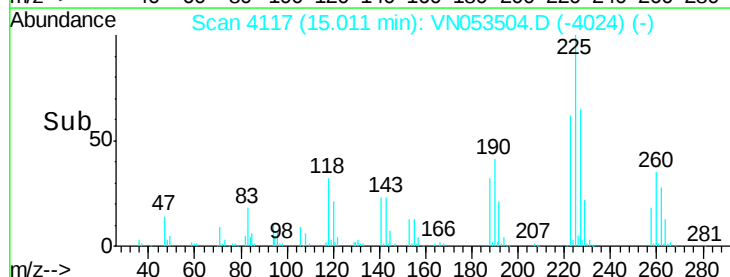
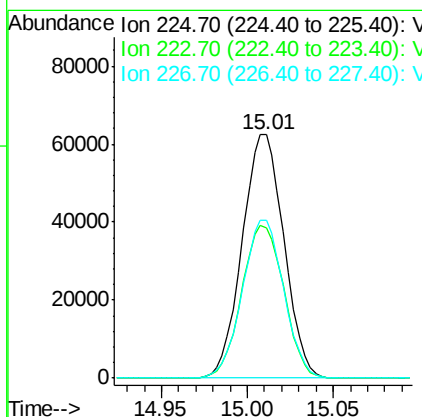
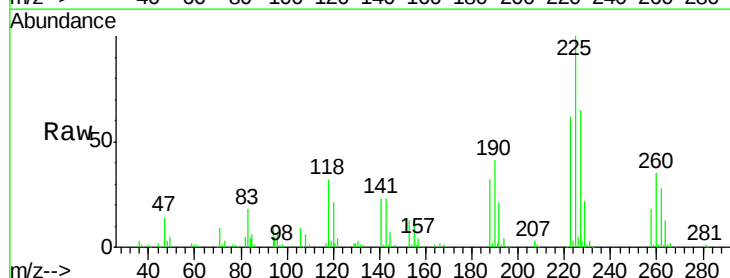
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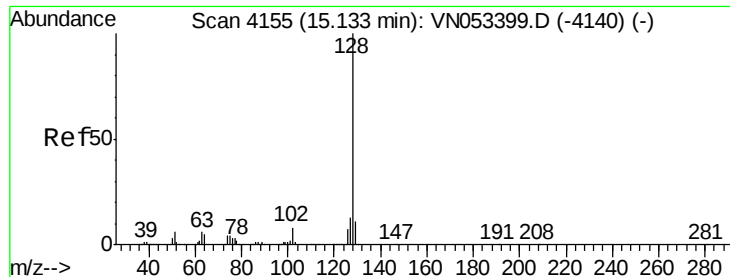
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#94
 Hexachlorobutadiene
 Concen: 22.170 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053504.D
 Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.2
227	64.4	32.0	96.2





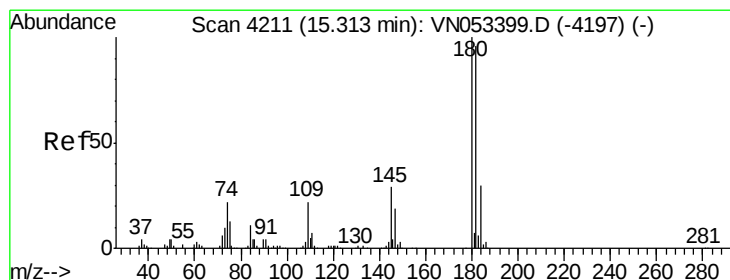
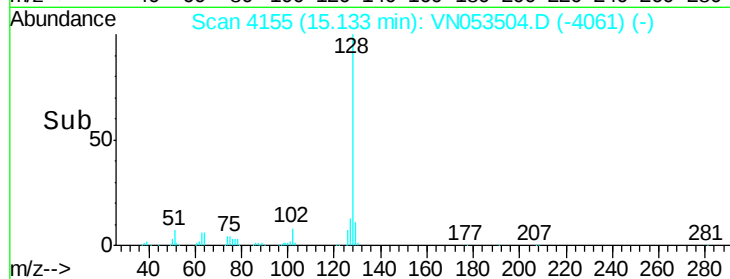
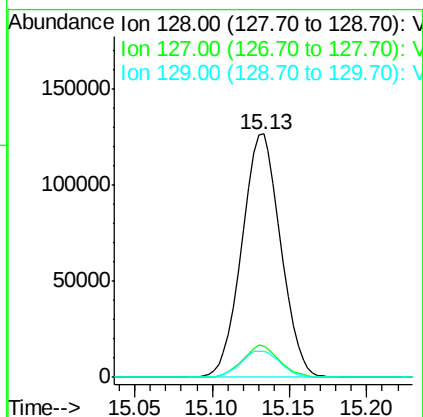
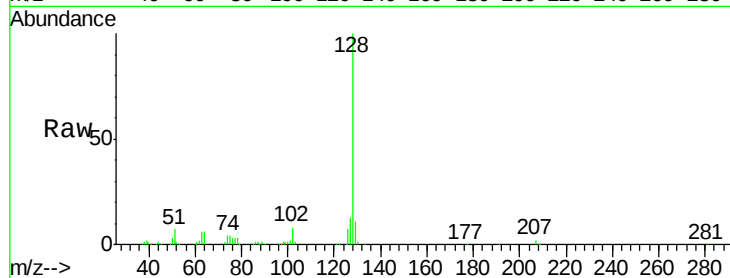
#95
Naphthalene
Concen: 21.264 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.273 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053504.D
Acq: 21 Jan 2019 14:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.8
145	29.2	14.7	44.1

