

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053397.D
 Acq On : 15 Jan 2019 9:42
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:39 AM

Quant Time: Jan 16 03:00:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	892591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1348063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1229388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	571670	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	44970	5.10	ug/l	0.00
Spiked Amount			Recovery	=	10.20%	
35) Dibromofluoromethane	7.59	113	37772	4.91	ug/l	0.00
Spiked Amount			Recovery	=	9.82%	
50) Toluene-d8	10.09	98	158278	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	54884	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	35122	4.894	ug/l	98
3) Chloromethane	2.06	50	50406	4.913	ug/l	98
4) Vinyl Chloride	2.19	62	49503	5.005	ug/l	97
5) Bromomethane	2.56	94	34555	5.092	ug/l	97
6) Chloroethane	2.70	64	30800	5.151	ug/l	97
7) Trichlorofluoromethane	3.02	101	63859	4.936	ug/l	100
8) Diethyl Ether	3.41	74	23754	4.889	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	40790	4.979	ug/l	98
10) Methyl Iodide	3.95	142	56533	4.515	ug/l	99
11) Tert butyl alcohol	4.78	59	9906	22.947	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	39030	4.911	ug/l	96
13) Acrolein	3.61	56	14030	37.878	ug/l	100
14) Allyl chloride	4.33	41	62294	4.826	ug/l	96
15) Acrylonitrile	4.99	53	68135	23.982	ug/l	99
16) Acetone	3.82	43	51537	24.898	ug/l	98
17) Carbon Disulfide	4.06	76	114812	4.777	ug/l	100
18) Methyl Acetate	4.33	43	33158	4.755	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	100417	4.756	ug/l	97
20) Methylene Chloride	4.56	84	49021	5.187	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	40886	4.812	ug/l	99
22) Diisopropyl ether	5.95	45	130987	4.861	ug/l	99
23) Vinyl Acetate	5.90	43	385743	23.287	ug/l	99
24) 1,1-Dichloroethane	5.85	63	77981	4.895	ug/l	99
25) 2-Butanone	6.83	43	78732	24.683	ug/l	100
26) 2,2-Dichloropropane	6.82	77	59276	4.928	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	47749	4.915	ug/l	97
28) Bromochloromethane	7.19	49	34458	4.910	ug/l	99
29) Tetrahydrofuran	7.21	42	48277	23.249	ug/l	99
30) Chloroform	7.37	83	78969	5.088	ug/l	100
31) Cyclohexane	7.65	56	83506	5.186	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	63811	4.847	ug/l	99
36) 1,1-Dichloropropene	7.79	75	59832	4.874	ug/l	98
37) Ethyl Acetate	6.93	43	31992	4.492	ug/l	97
38) Carbon Tetrachloride	7.77	117	55320	4.760	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	69852	4.603	ug/l	95
40) Benzene	8.04	78	185979	4.985	ug/l	100
41) Methacrylonitrile	7.17	41	17832	4.049	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	54793	5.041	ug/l	99
43) Isopropyl Acetate	8.16	43	63607	4.796	ug/l #	90
44) Trichloroethene	8.84	130	51526	4.980	ug/l	97
45) 1,2-Dichloropropane	9.12	63	48712	4.930	ug/l	100
46) Dibromomethane	9.21	93	28007	4.933	ug/l	99
47) Bromodichloromethane	9.40	83	58256	4.879	ug/l	95
48) Methyl methacrylate	9.20	41	29684	4.527	ug/l	99
49) 1,4-Dioxane	9.19	88	6177	96.450	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	162802	23.481	ug/l	99
52) Toluene	10.15	92	115047	4.967	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	54774	4.526	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	66156	4.663	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	39352	4.928	ug/l	96
56) Ethyl methacrylate	10.43	69	45349	5.895	ug/l	96
57) 1,3-Dichloropropane	10.71	76	68446	4.955	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	129063	23.103	ug/l	99
59) 2-Hexanone	10.75	43	114088	23.441	ug/l	100
60) Dibromochloromethane	10.90	129	41310	4.561	ug/l	98
61) 1,2-Dibromoethane	11.00	107	38315	4.744	ug/l	97
64) Tetrachloroethene	10.63	164	58521	5.051	ug/l	99
65) Chlorobenzene	11.43	112	127803	4.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	44104	4.872	ug/l	97
67) Ethyl Benzene	11.51	91	215752	4.865	ug/l	99
68) m/p-Xylenes	11.62	106	162635	9.713	ug/l	99
69) o-Xylene	11.95	106	79308	4.875	ug/l	99
70) Styrene	11.96	104	126576	4.794	ug/l	99
71) Bromoform	12.13	173	29675	4.762	ug/l #	98
73) Isopropylbenzene	12.25	105	208071	4.970	ug/l	99
74) N-amyl acetate	12.07	43	50774	4.550	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	43006	4.898	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	36875m	5.123	ug/l	
77) Bromobenzene	12.53	156	55703	5.050	ug/l	98
78) n-propylbenzene	12.59	91	232464	4.838	ug/l	100
79) 2-Chlorotoluene	12.67	91	141609	4.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	169334	4.971	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	11380	6.163	ug/l	92
82) 4-Chlorotoluene	12.77	91	144945	4.990	ug/l	98
83) tert-Butylbenzene	12.99	119	146464	4.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	169650	4.940	ug/l	100
85) sec-Butylbenzene	13.17	105	206427	5.003	ug/l	99
86) p-Isopropyltoluene	13.29	119	171542	4.788	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	96545	4.975	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	95477	4.905	ug/l	94
89) n-Butylbenzene	13.61	91	142136	4.655	ug/l	99
90) Hexachloroethane	13.87	117	25670	4.569	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	88720	4.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5423	4.871	ug/l	94

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ClientSampleId :
VSTDICC005

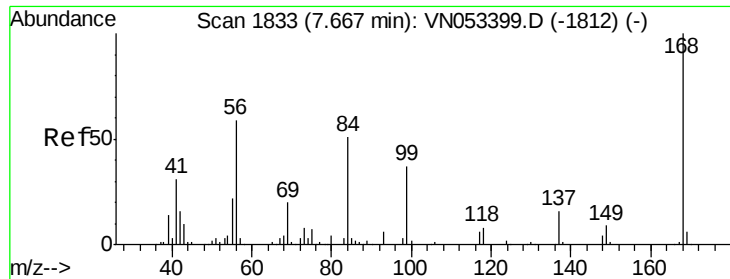
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27053	6.011	ug/l	96
94) Hexachlorobutadiene	15.01	225	28184	5.061	ug/l	95
95) Naphthalene	15.13	128	42395	6.765	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	19475	7.019	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 892591

Ion Ratio Lower Upper

168 100

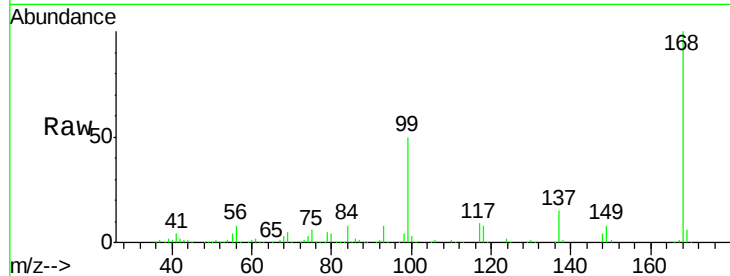
99 49.4 39.1 58.7

Manual Integrations

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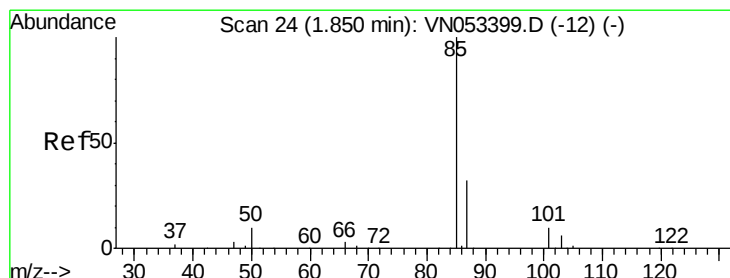
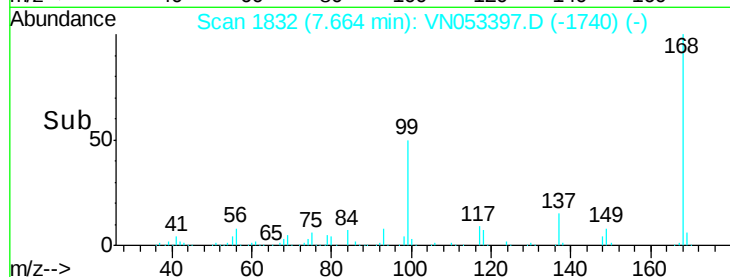
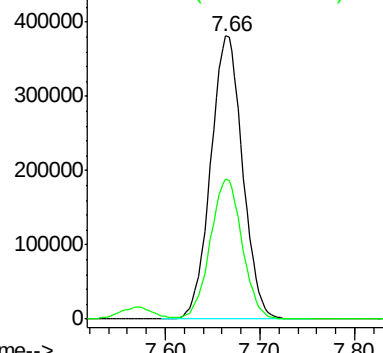
MMDadoda

1/16/2019 9:50:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 4.894 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053397.D

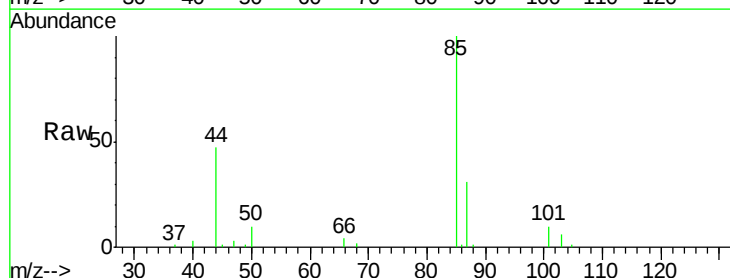
Acq: 15 Jan 2019 9:42

Tgt Ion: 85 Resp: 35122

Ion Ratio Lower Upper

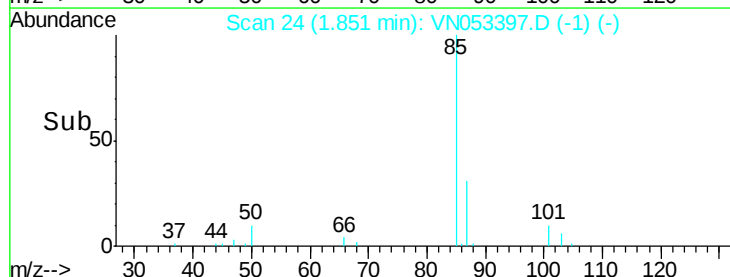
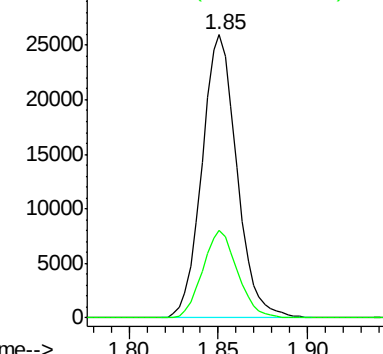
85 100

87 31.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 4.913 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 50406

Ion Ratio Lower Upper

50 100

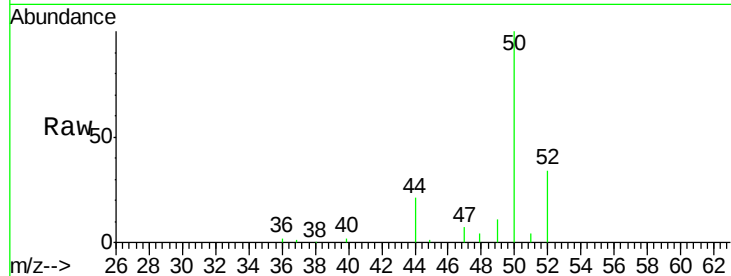
52 34.4 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VN053397.D (-75) (-)

Ion 51.90 (51.60 to 52.60): VN053397.D (-75) (-)

2.06

40000

30000

20000

10000

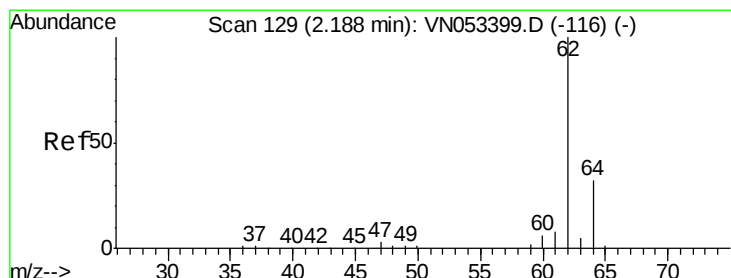
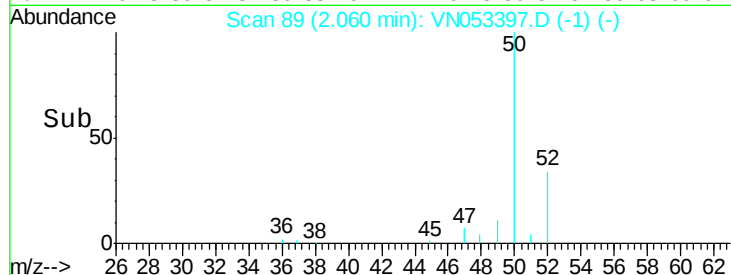
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Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 5.005 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053397.D

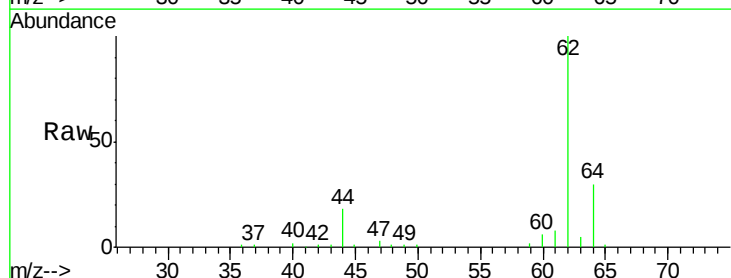
Acq: 15 Jan 2019 9:42

Tgt Ion: 62 Resp: 49503

Ion Ratio Lower Upper

62 100

64 30.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN053397.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN053397.D (-116) (-)

2.19

40000

30000

20000

10000

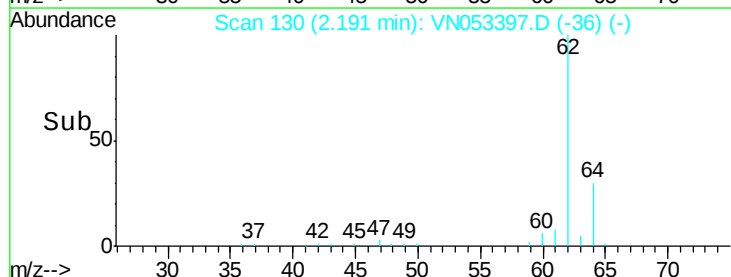
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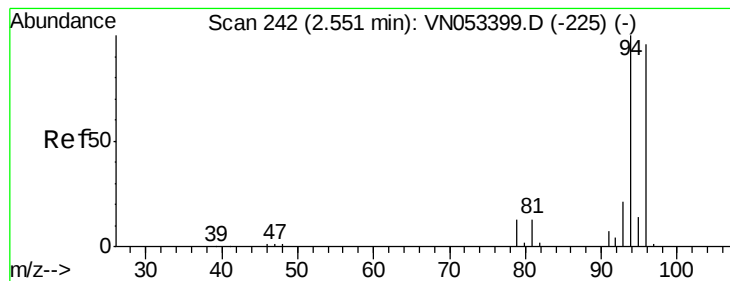
Time-->

2.15

2.20

2.25





#5

Bromomethane

Concen: 5.092 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 34555

Ion Ratio Lower Upper

94 100

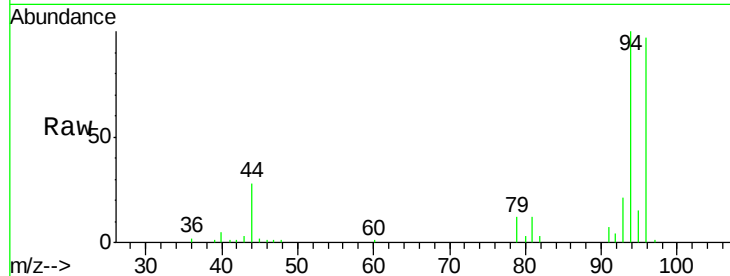
96 96.9 74.9 112.3

Manual Integrations

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1/16/2019 9:50:39 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

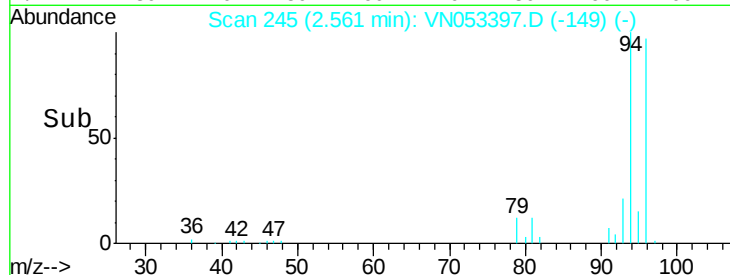
15000

10000

5000

0

Time-->



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

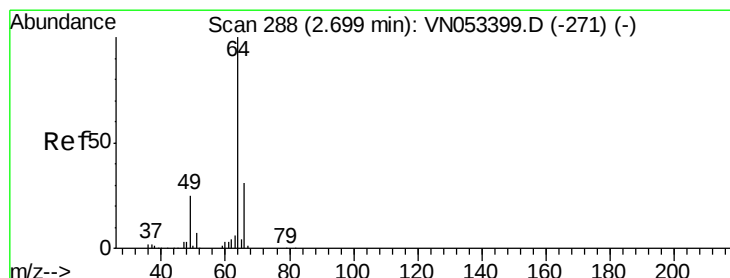
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 5.151 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN053397.D

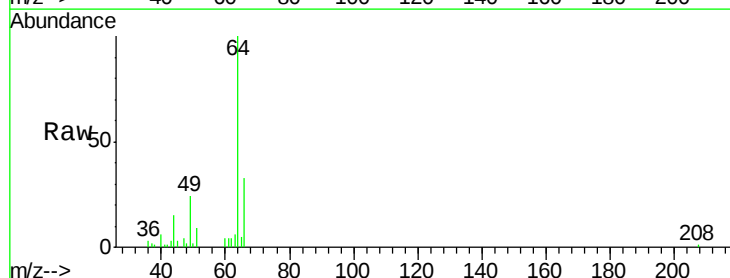
Acq: 15 Jan 2019 9:42

Tgt Ion: 64 Resp: 30800

Ion Ratio Lower Upper

64 100

66 33.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

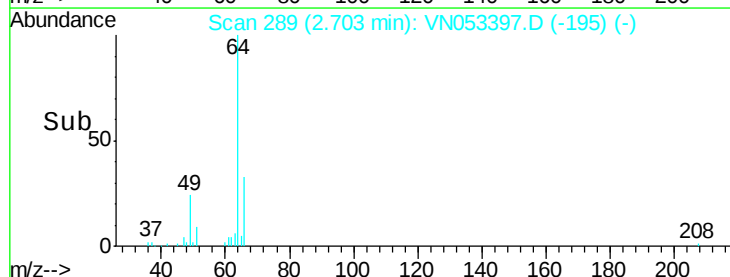
15000

10000

5000

0

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

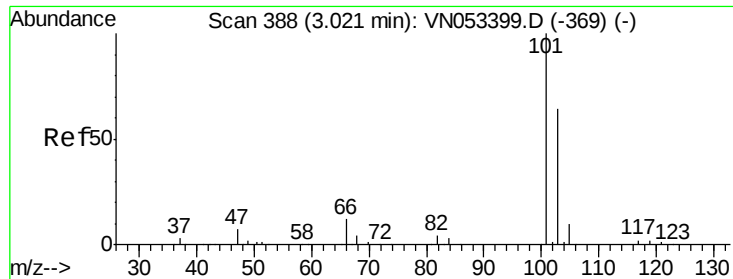
15000

10000

5000

0

Time-->



#7

Trichlorofluoromethane

Concen: 4.936 ug/l

RT: 3.02 min Scan# 388

Delta R.T. 0.00 min

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Acq: 15 Jan 2019 9:42

Instrument :

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ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 63859

Ion Ratio Lower Upper

101 100

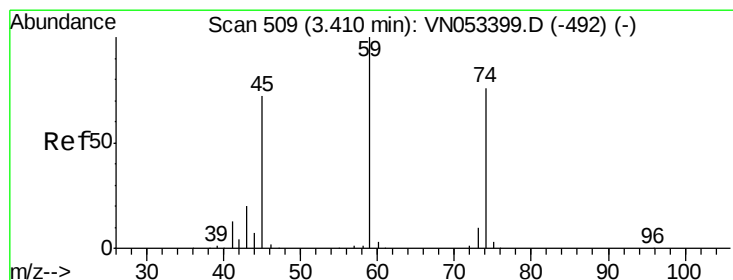
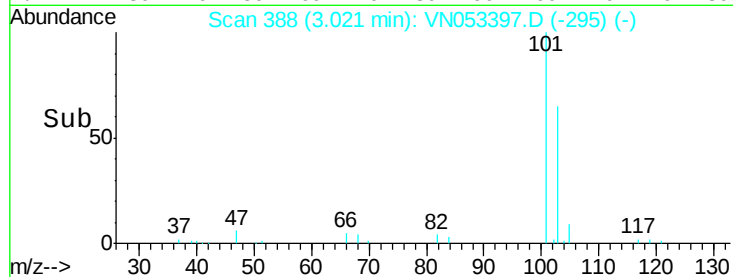
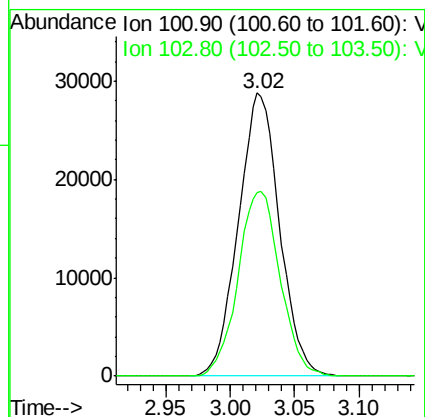
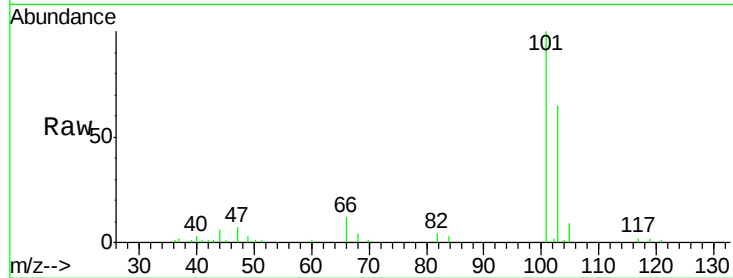
103 64.9 52.1 78.1

Manual Integrations

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#8

Diethyl Ether

Concen: 4.889 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN053397.D

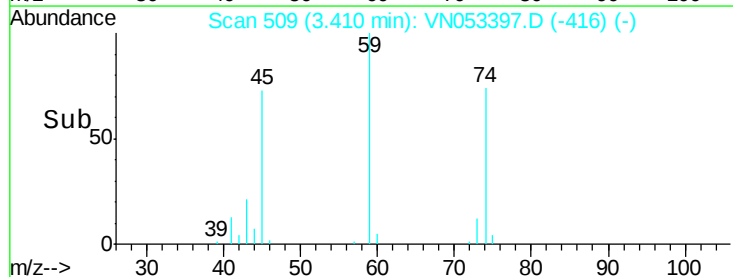
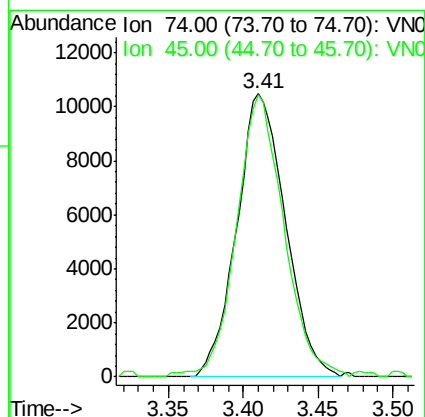
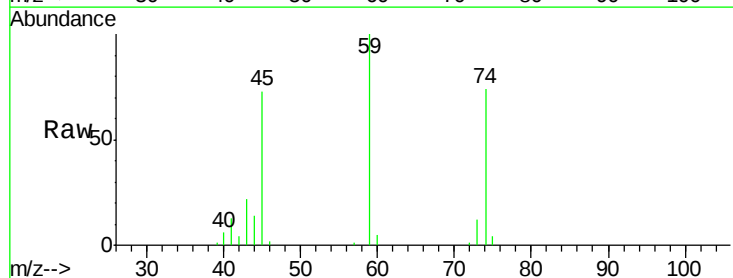
Acq: 15 Jan 2019 9:42

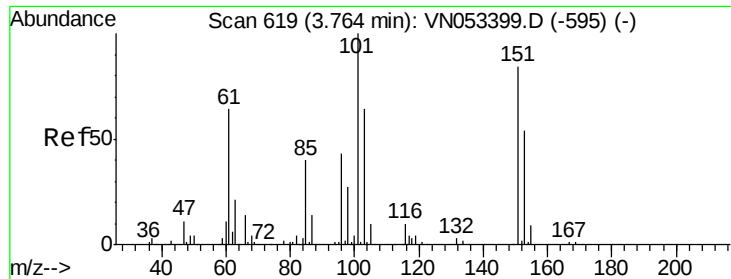
Tgt Ion: 74 Resp: 23754

Ion Ratio Lower Upper

74 100

45 96.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.979 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053397.D

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Instrument :

MSVOA_N

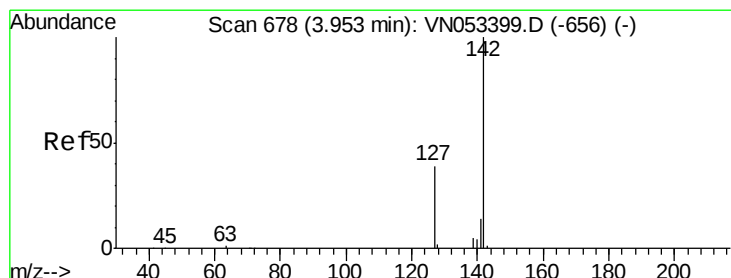
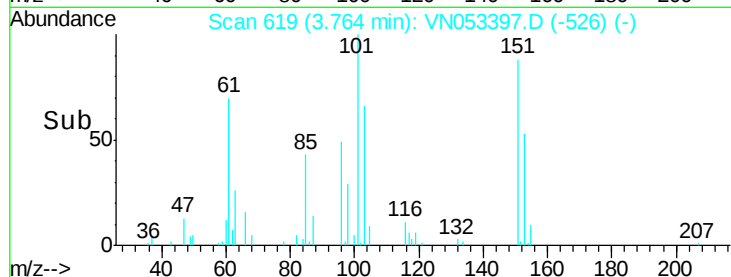
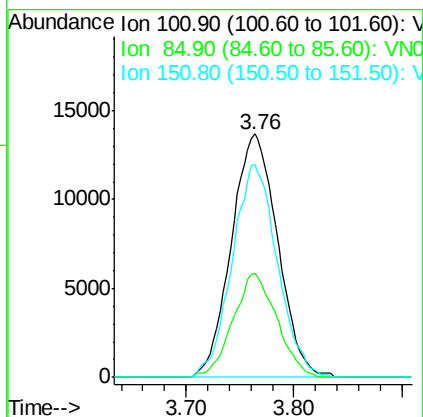
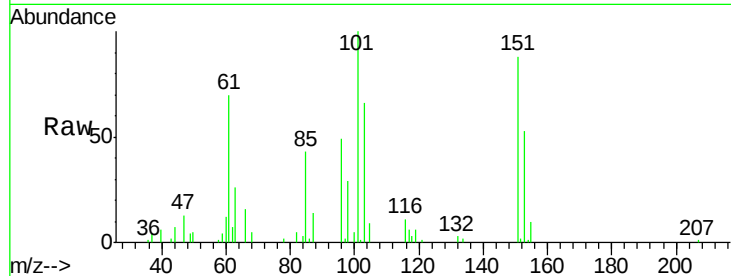
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	40790
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.3	49.9
151	85.7	67.0	100.4

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#10

Methyl Iodide

Concen: 4.515 ug/l

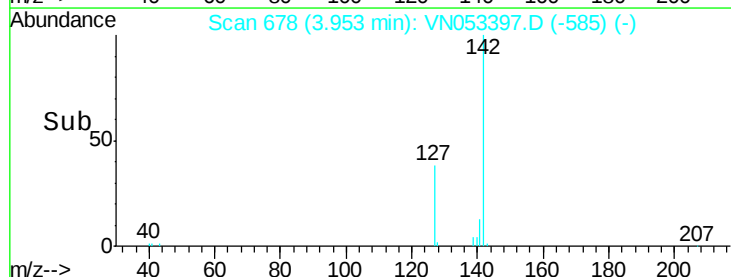
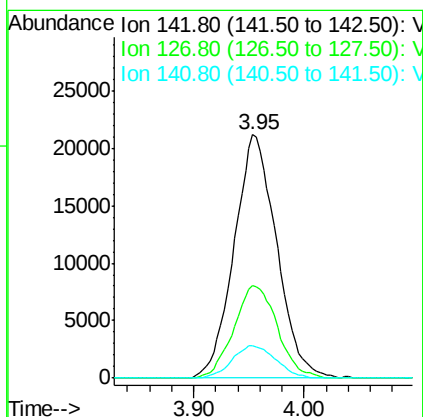
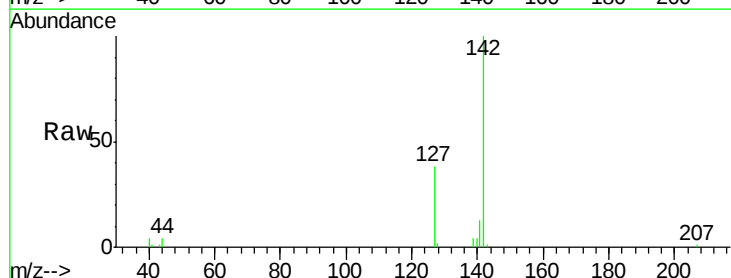
RT: 3.95 min Scan# 678

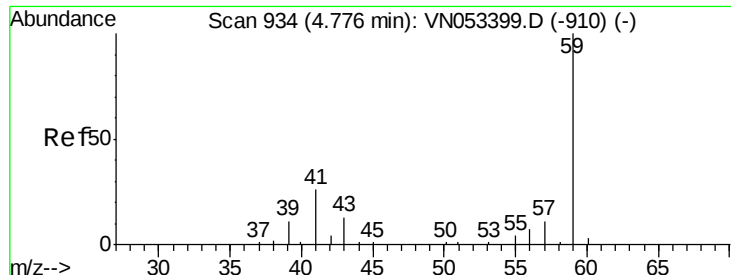
Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion:	142	Resp:	56533
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.9	46.3
141	13.5	11.2	16.8





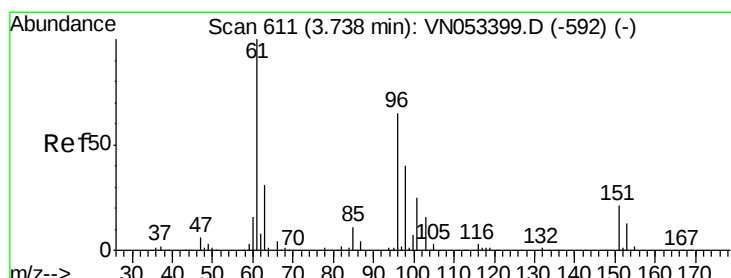
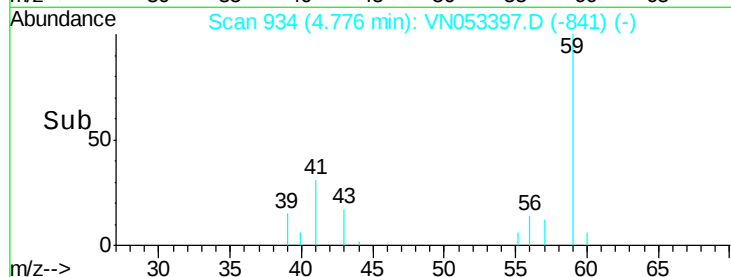
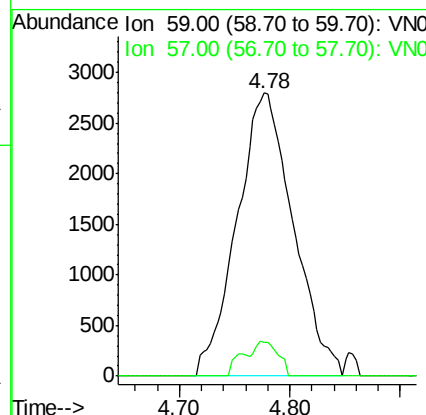
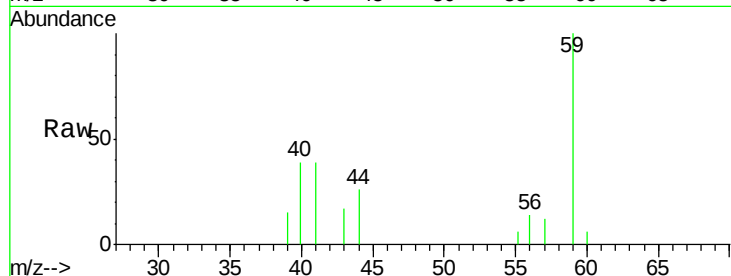
#11
Tert butyl alcohol
Concen: 22.947 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 9906
Ion Ratio Lower Upper
59 100
57 5.2 8.0 12.0#

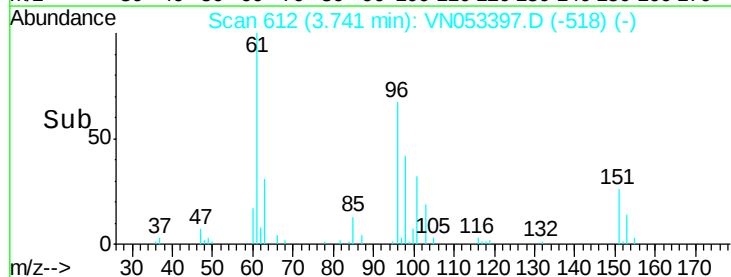
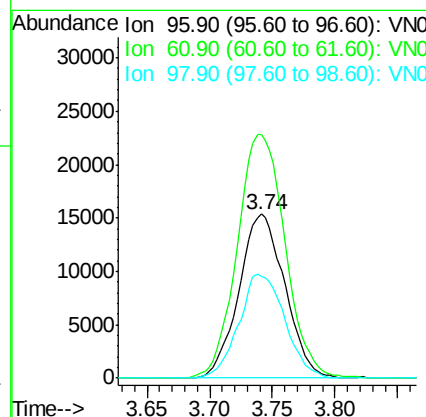
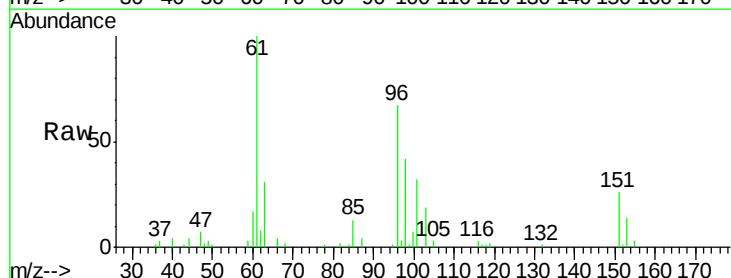
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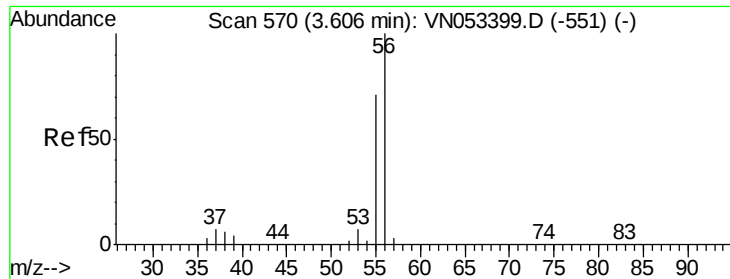
MMDadoda
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#12
1,1-Dichloroethene
Concen: 4.911 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion: 96 Resp: 39030
Ion Ratio Lower Upper
96 100
61 147.6 123.2 184.8
98 62.0 50.5 75.7





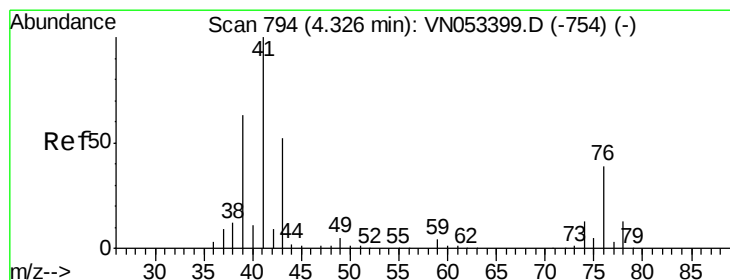
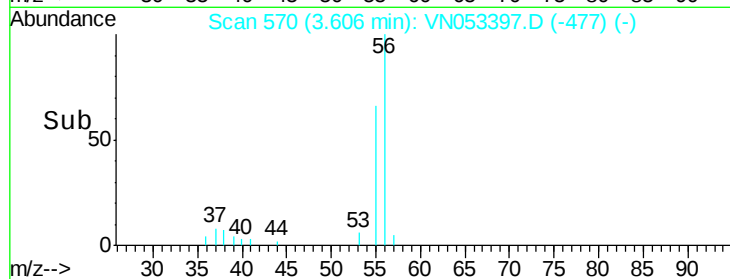
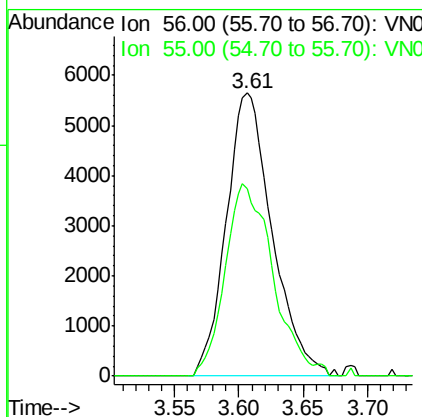
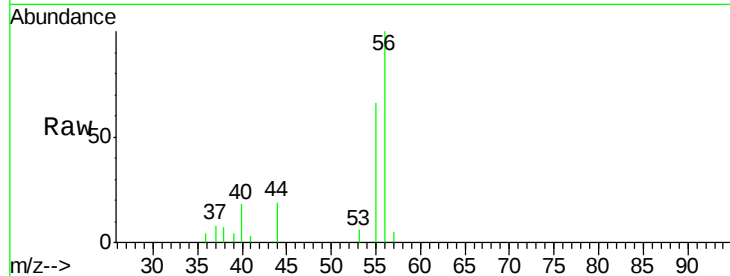
#13
Acrolein
Concen: 37.878 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
14030							

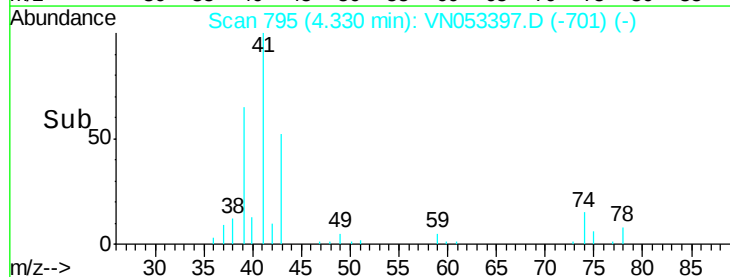
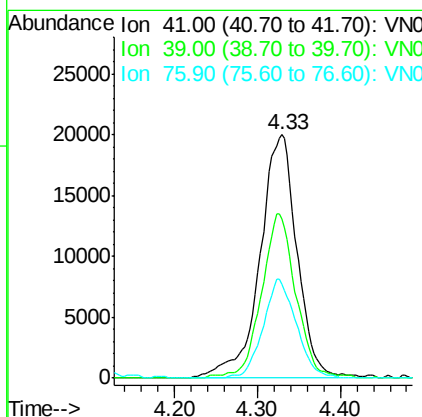
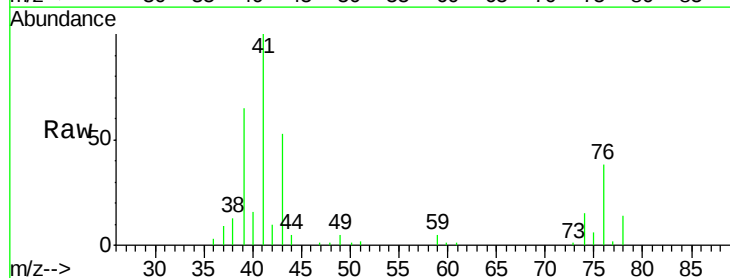
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#14
Allyl chloride
Concen: 4.826 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	41	39	76	Ratio	100	62.3	36.4	Resp	Lower	Upper
62294										





#15

Acrylonitrile

Concen: 23.982 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

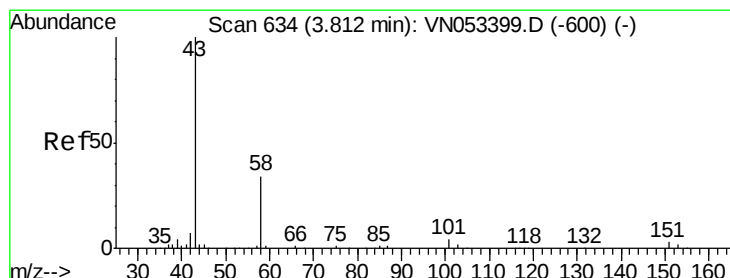
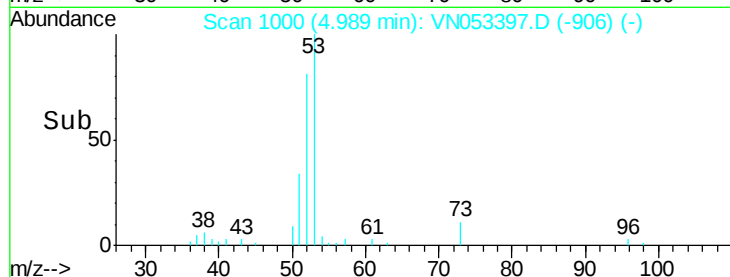
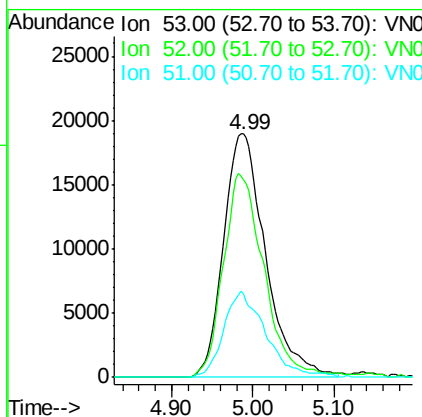
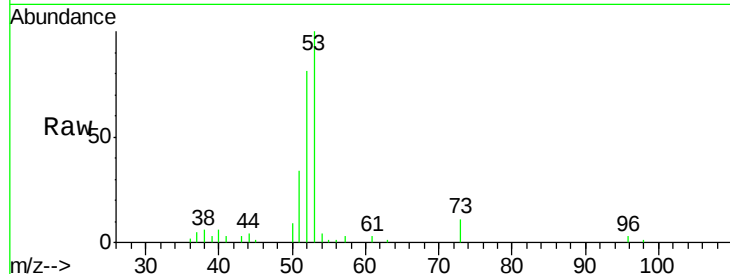
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	68135
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.2	97.8
51	35.4	28.0	42.0

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#16

Acetone

Concen: 24.898 ug/l

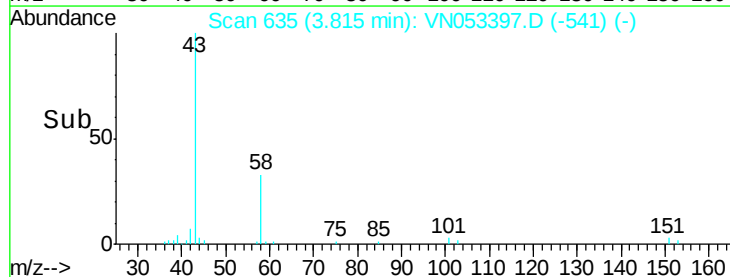
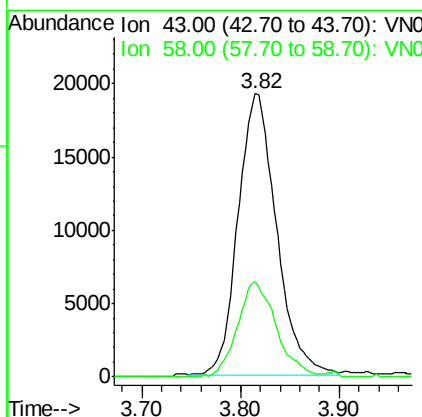
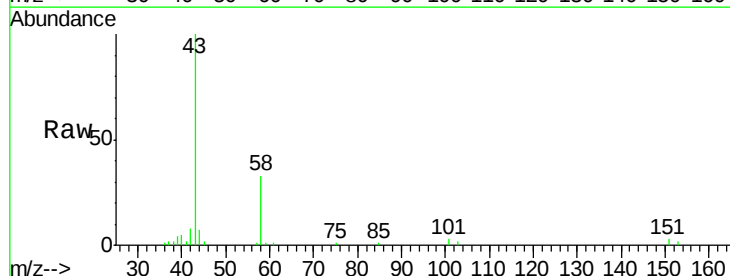
RT: 3.82 min Scan# 635

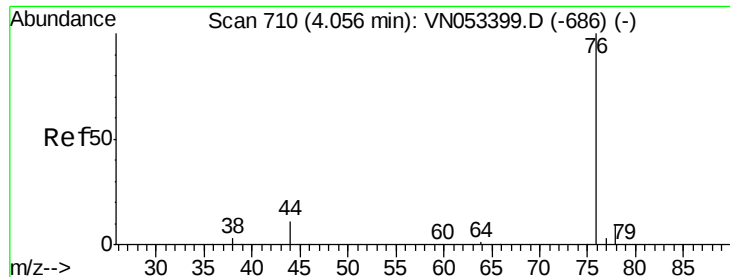
Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion:	43	Resp:	51537
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.8	41.6





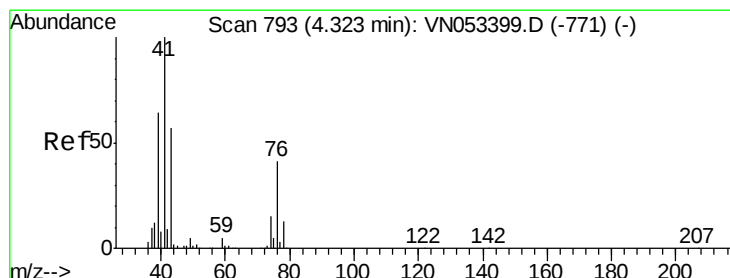
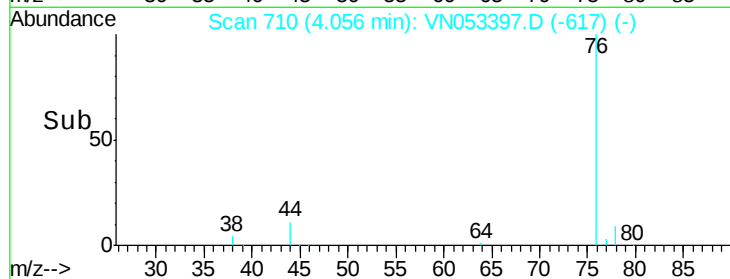
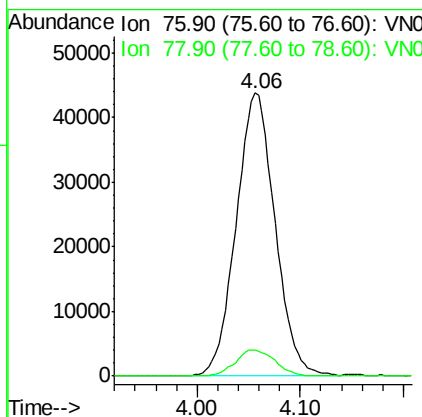
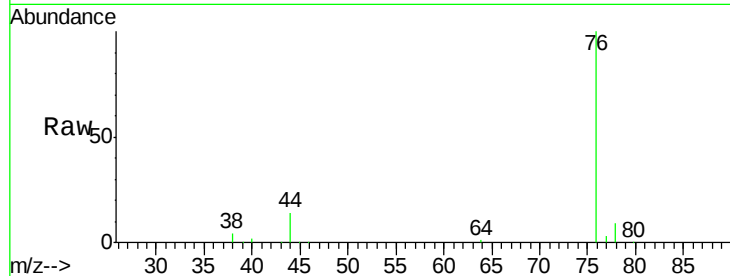
#17
Carbon Disulfide
Concen: 4.777 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

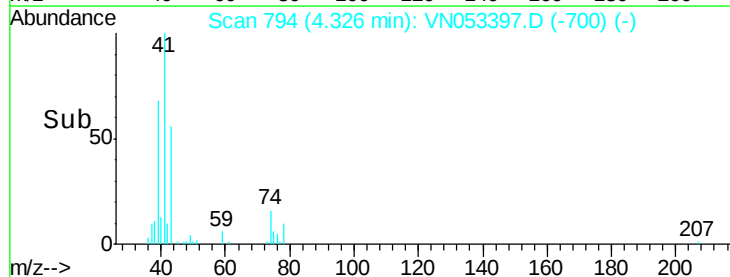
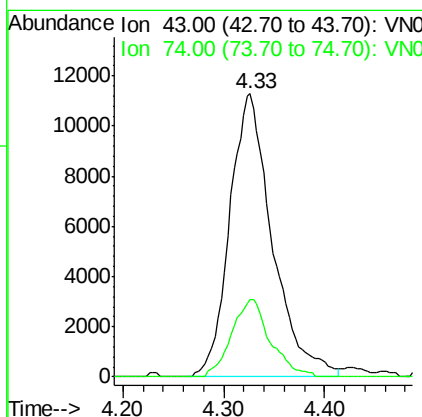
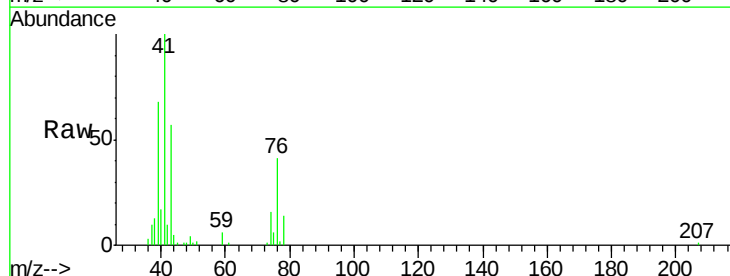
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#18
Methyl Acetate
Concen: 4.755 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





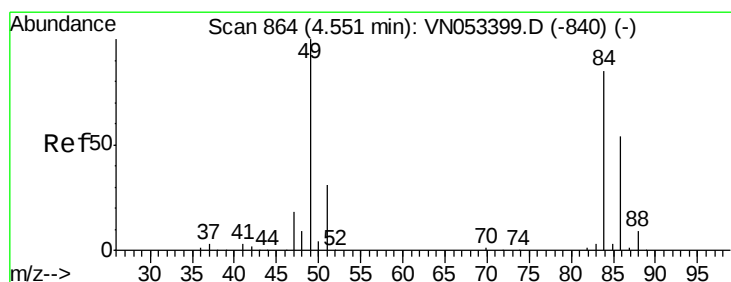
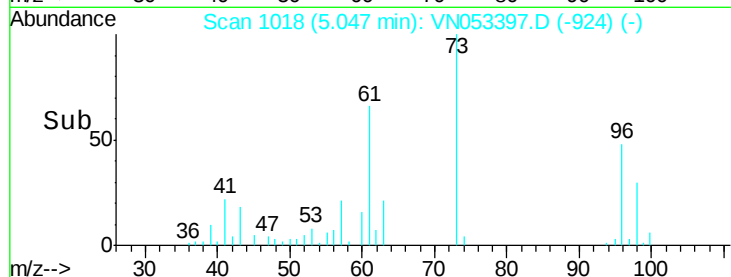
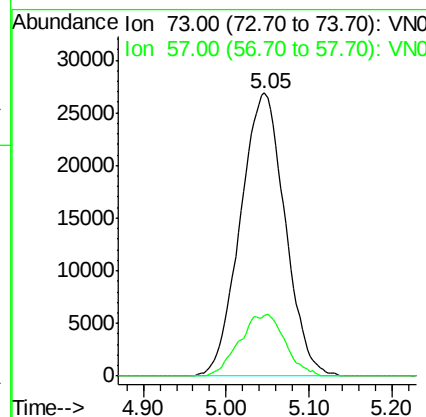
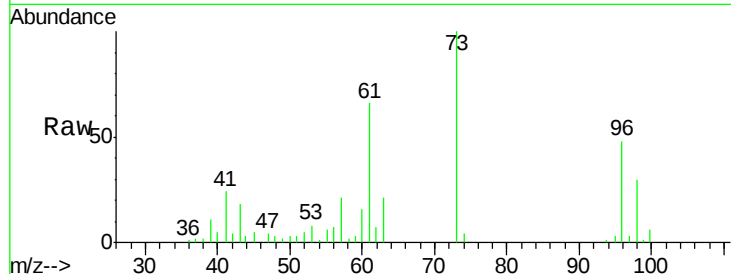
#19
Methvl tert-butvl Ether
Concen: 4.756 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 100417
Ion Ratio Lower Upper
73 100
57 21.4 18.5 27.7

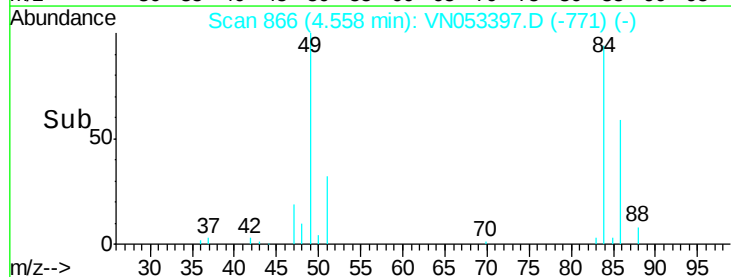
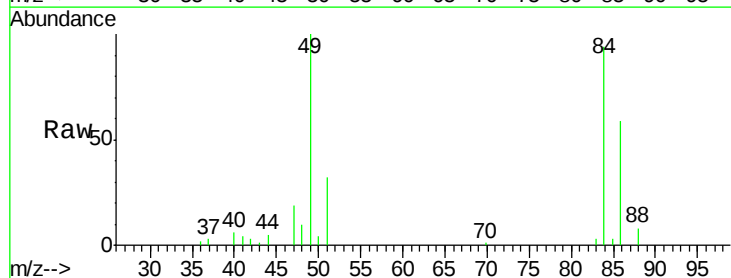
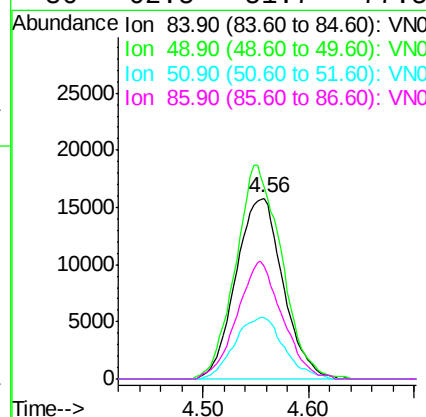
Manual Integrations
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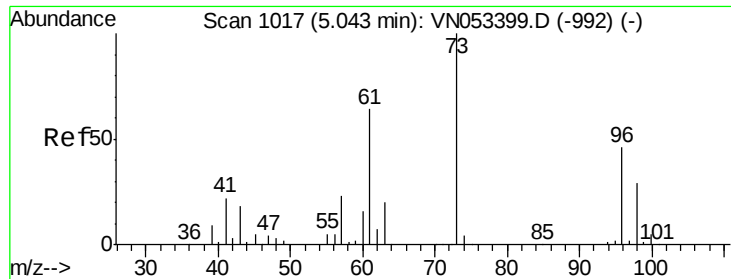
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#20
Methylene Chloride
Concen: 5.187 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion: 84 Resp: 49021
Ion Ratio Lower Upper
84 100
49 106.1 95.3 142.9
51 33.9 29.0 43.6
86 62.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 4.812 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 40886

Ion Ratio Lower Upper

96 100

61 139.2 110.2 165.4

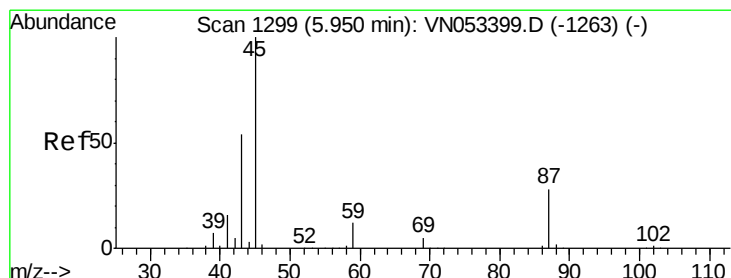
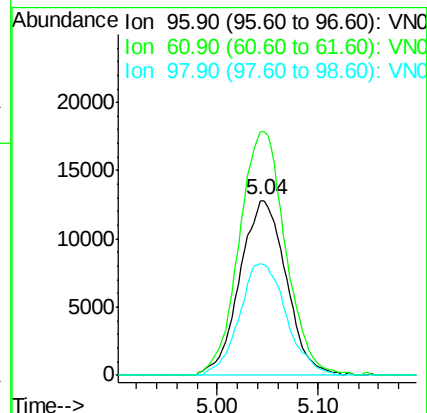
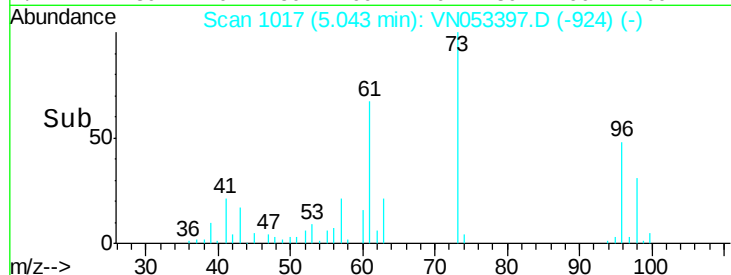
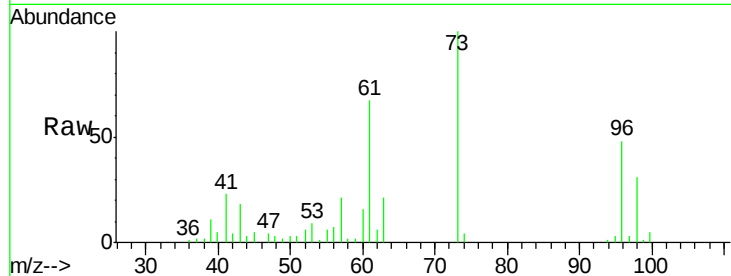
98 63.8 50.7 76.1

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#22

Diisopropyl ether

Concen: 4.861 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion: 45 Resp: 130987

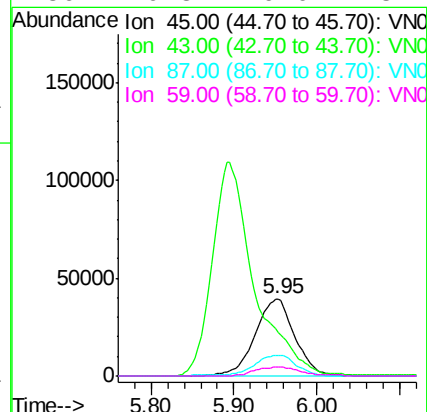
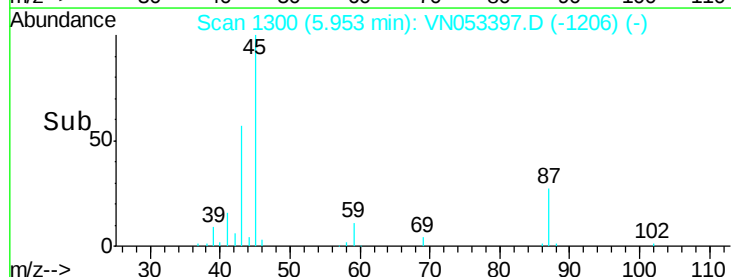
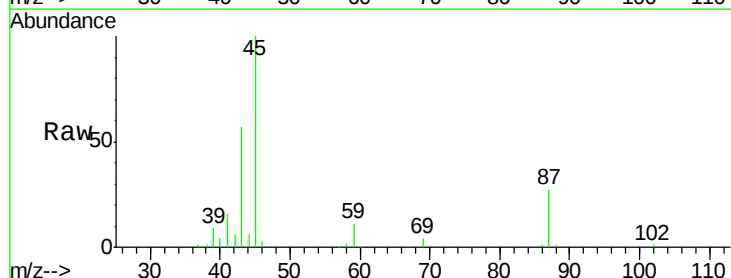
Ion Ratio Lower Upper

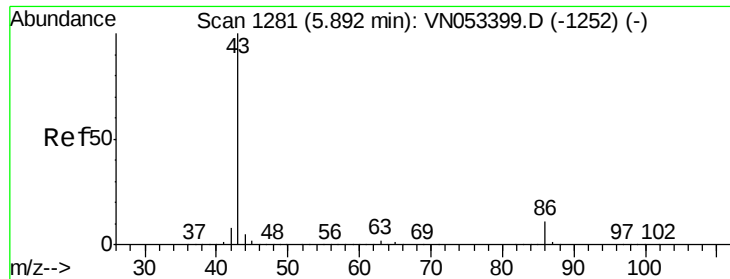
45 100

43 54.6 43.0 64.6

87 26.8 22.1 33.1

59 10.8 9.0 13.4





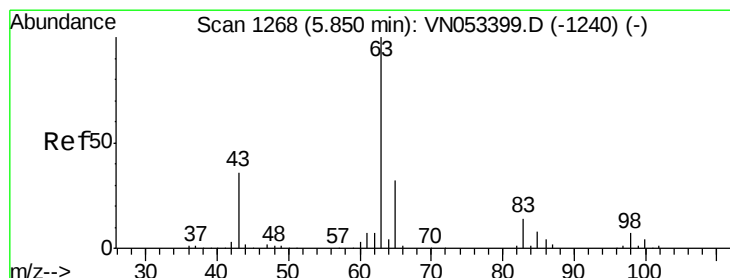
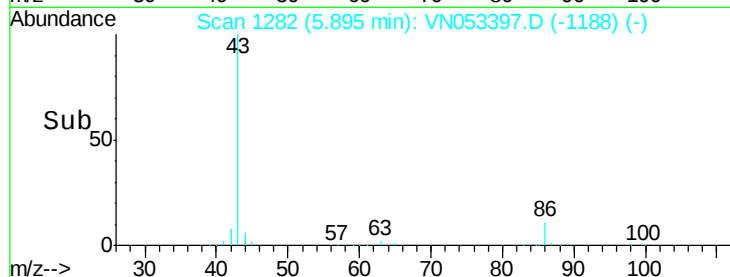
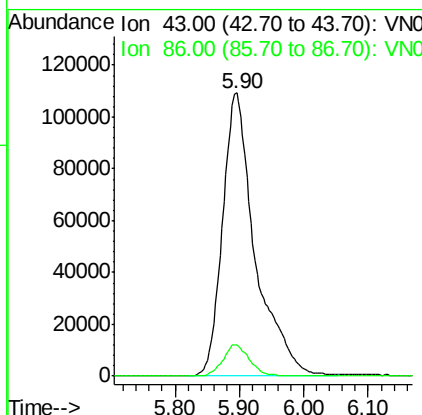
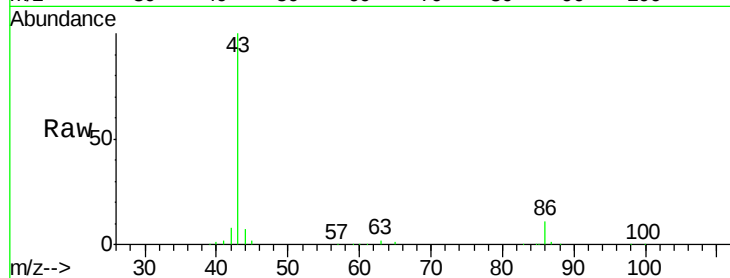
#23
 Vinyl Acetate
 Concen: 23.287 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	385743
Ion Ratio	100	Lower	Upper
43	100		
86	10.9	8.4	12.6

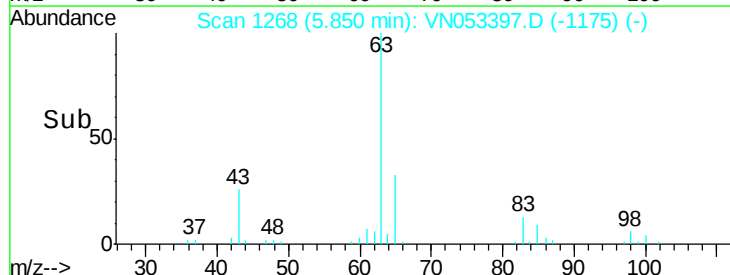
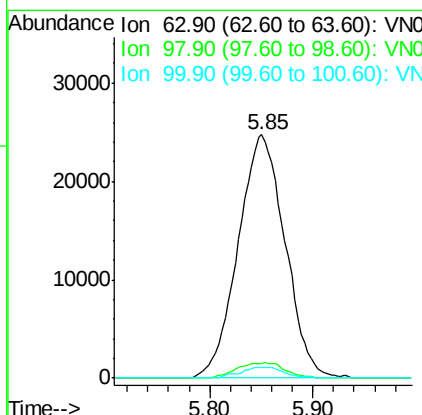
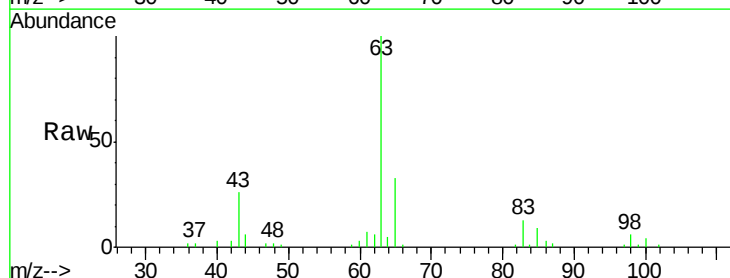
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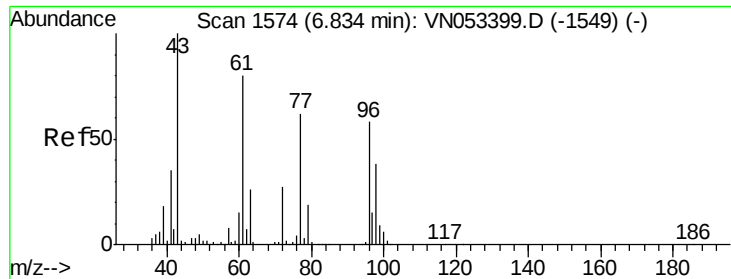
MMDadoda
 1/16/2019 9:50:39 AM



#24
 1,1-Dichloroethane
 Concen: 4.895 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	63	Resp	77981
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	4.2	2.1	6.5





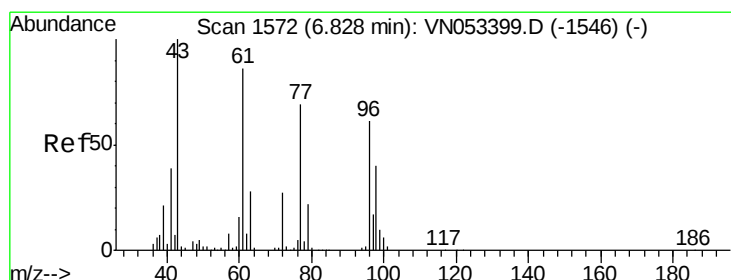
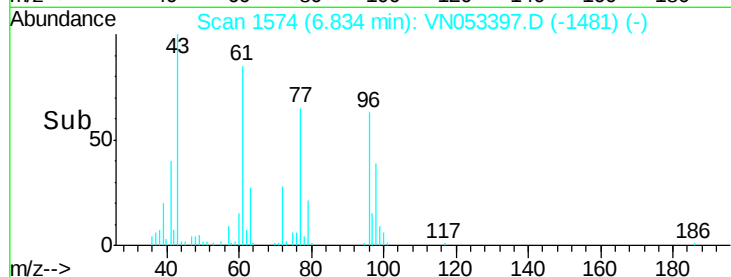
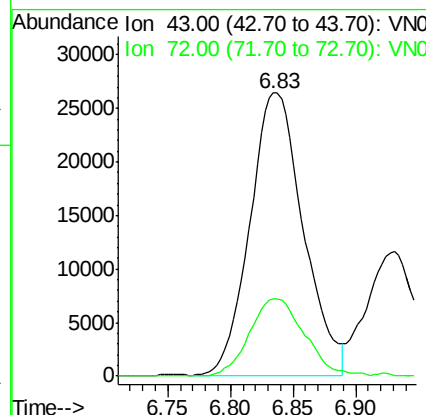
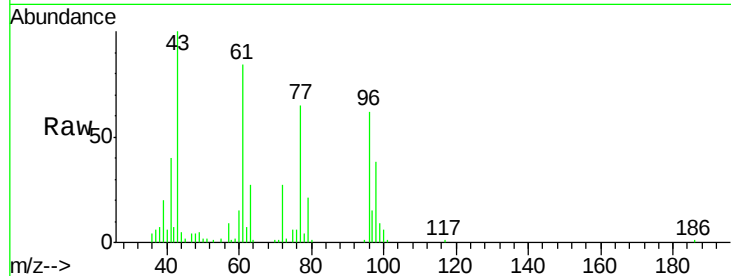
#25
 2-Butanone
 Concen: 24.683 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 43 Resp: 78732
 Ion Ratio Lower Upper
 43 100
 72 27.3 22.0 33.0

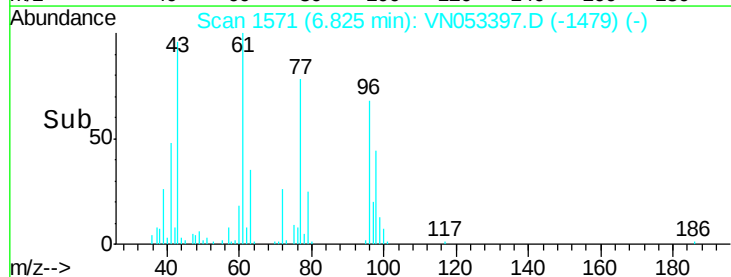
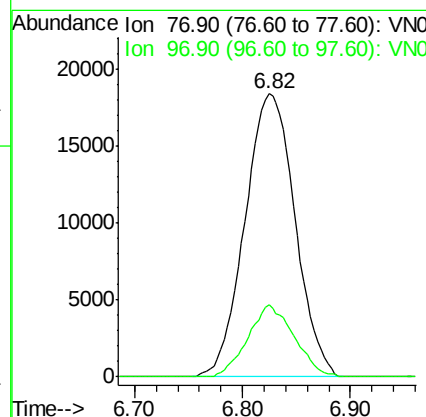
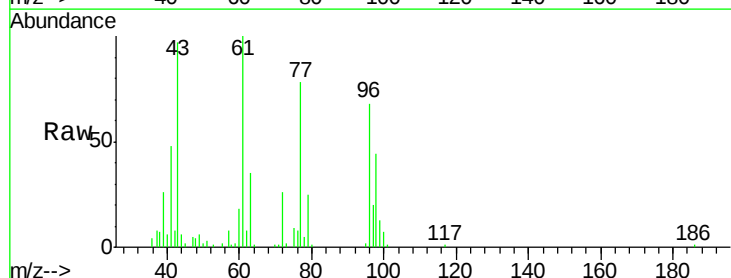
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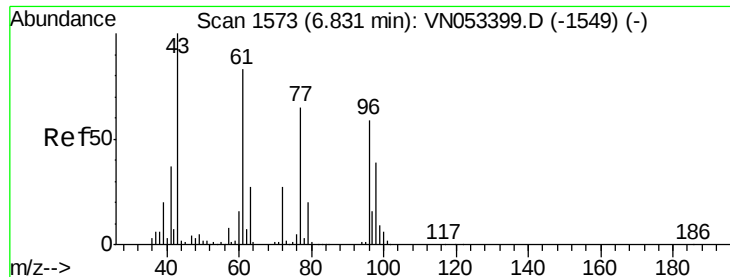
MMDadoda
 1/16/2019 9:50:39 AM



#26
 2,2-Dichloropropane
 Concen: 4.928 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion: 77 Resp: 59276
 Ion Ratio Lower Upper
 77 100
 97 23.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 4.915 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

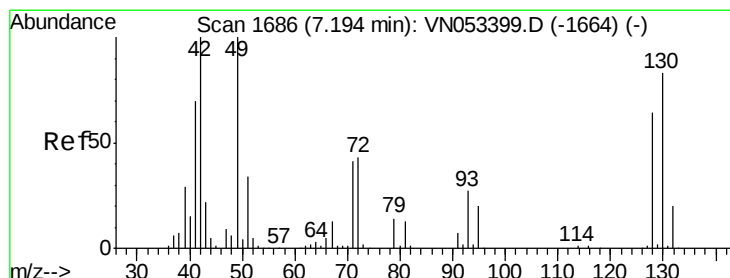
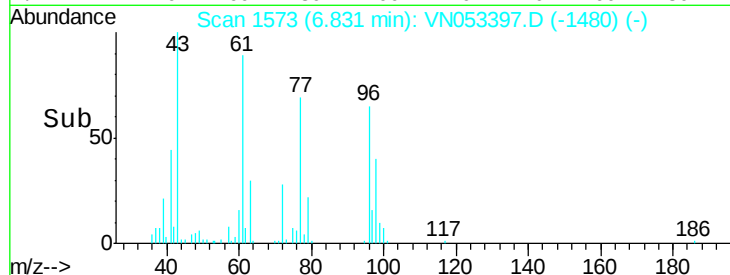
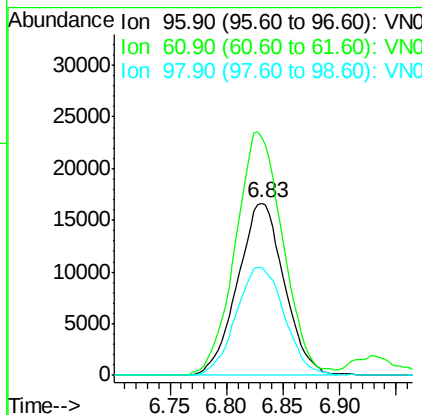
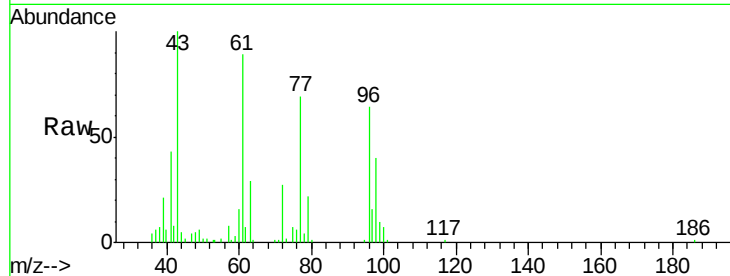
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	47749
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	280.6
98	65.0	0.0	127.6

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#28

Bromochloromethane

Concen: 4.910 ug/l

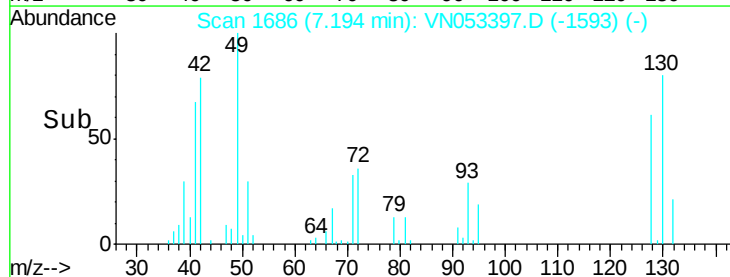
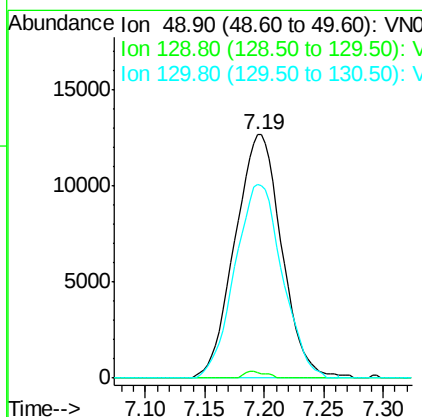
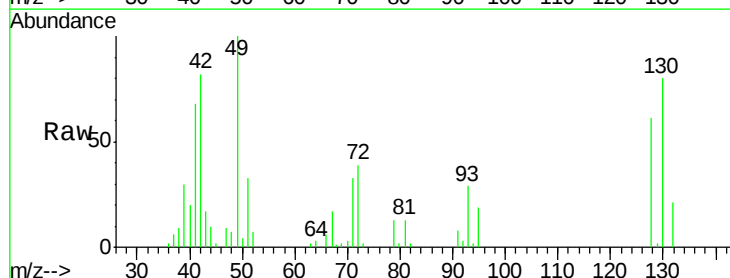
RT: 7.19 min Scan# 1686

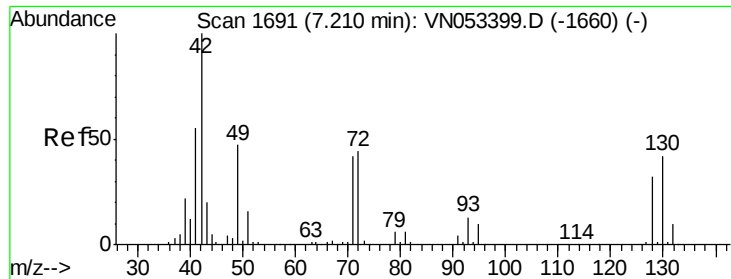
Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion:	49	Resp:	34458
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	80.8	65.4	98.0





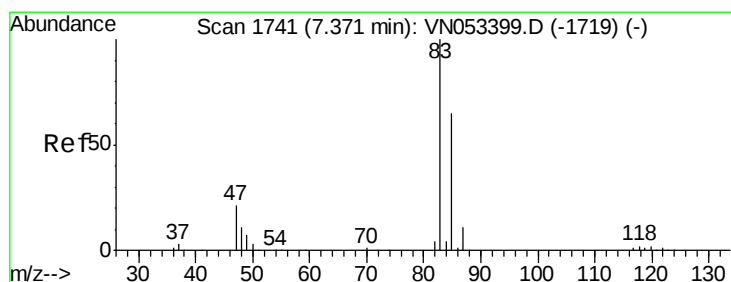
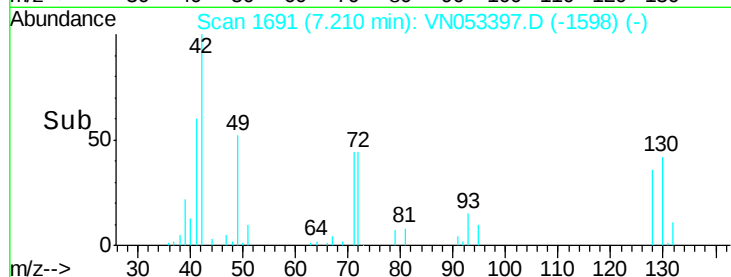
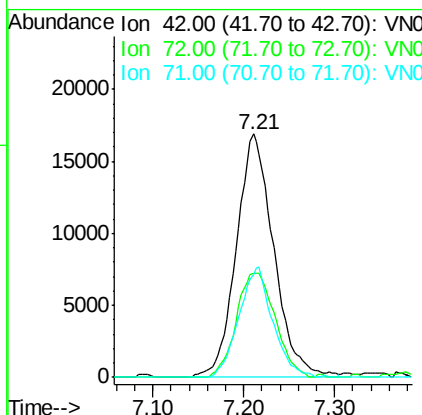
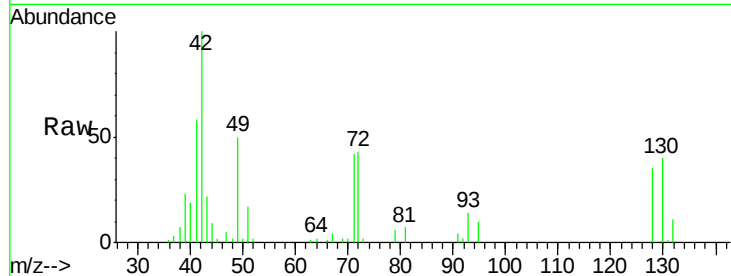
#29
Tetrahydrofuran
Concen: 23.249 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.0	33.8	50.8

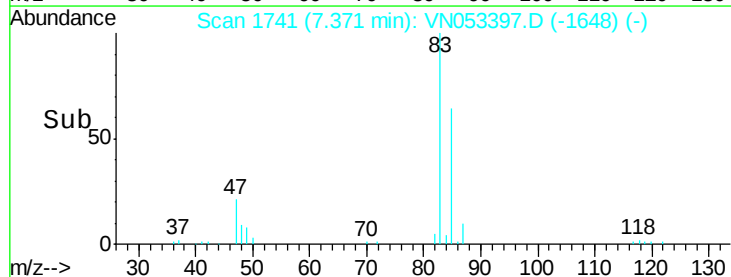
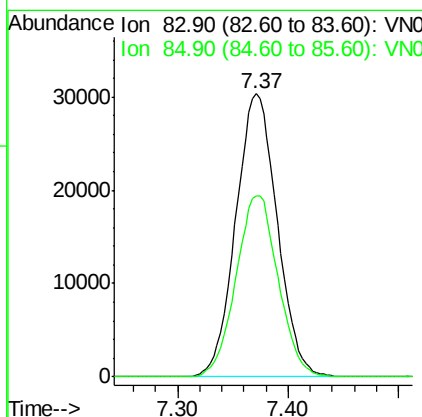
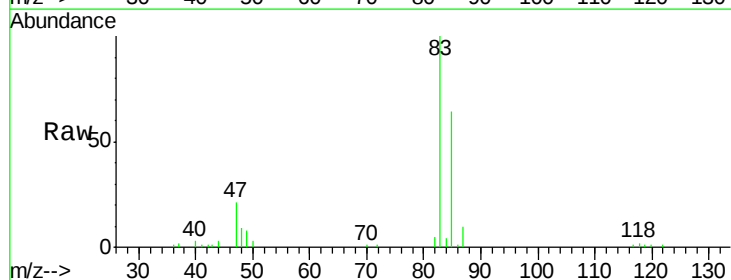
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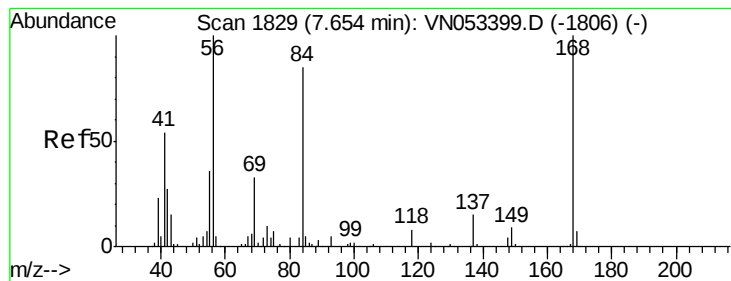
MMDadoda
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#30
Chloroform
Concen: 5.088 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





#31

Cyclohexane

Concen: 5.186 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

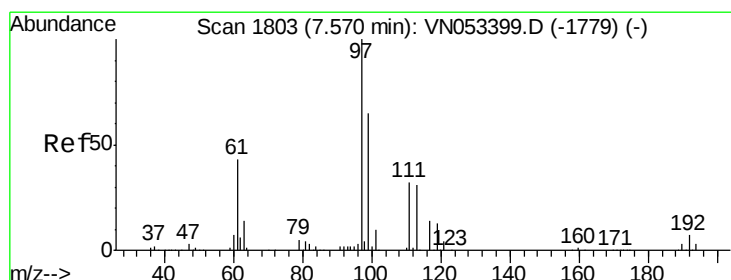
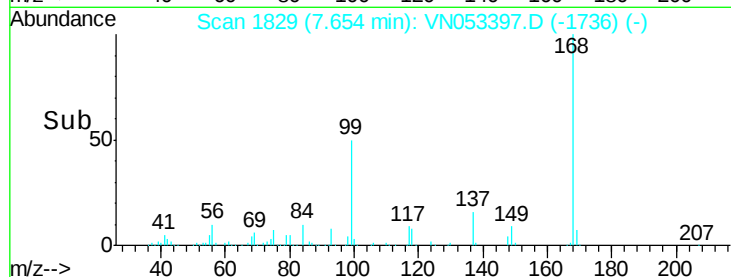
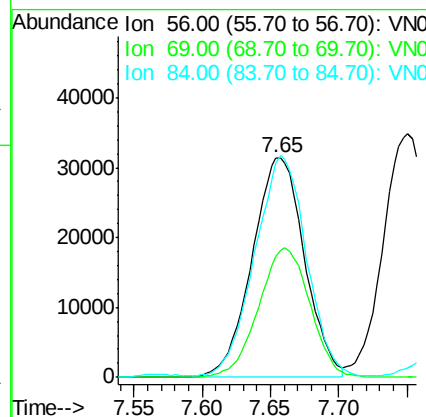
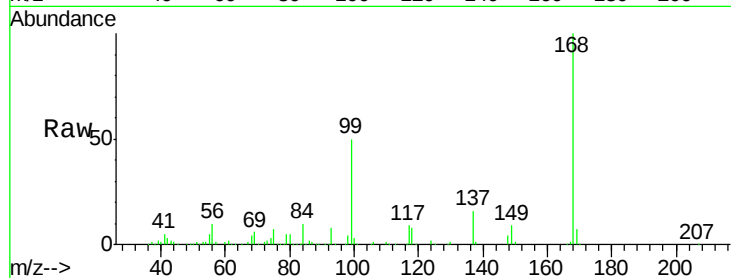
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	83506
Ion Ratio	Lower	Upper	
56	100		
69	55.1	26.7	40.1#
84	96.8	68.2	102.4

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#32

1,1,1-Trichloroethane

Concen: 4.847 ug/l

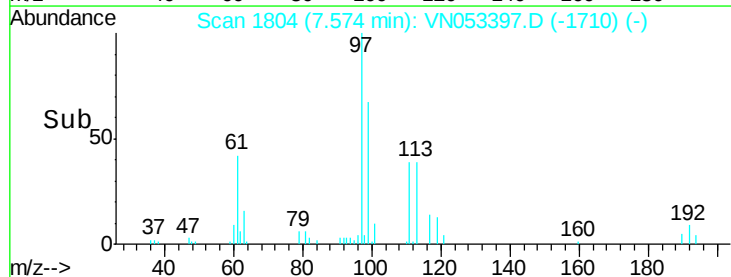
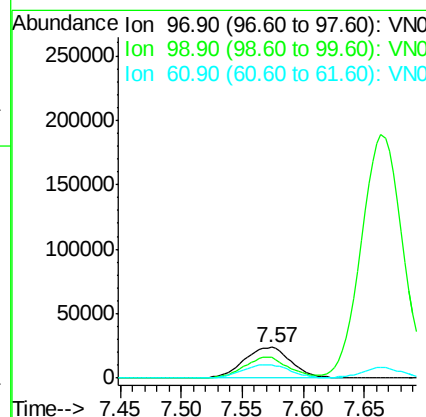
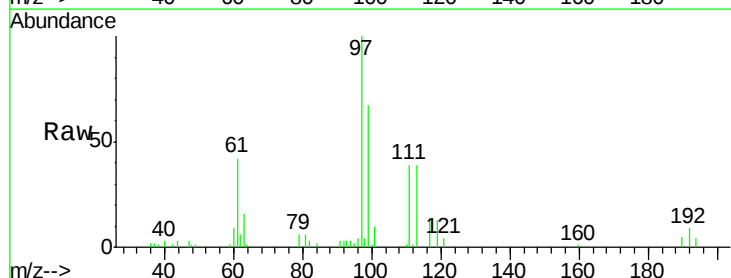
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion:	97	Resp:	63811
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.6	77.4
61	43.9	34.6	52.0





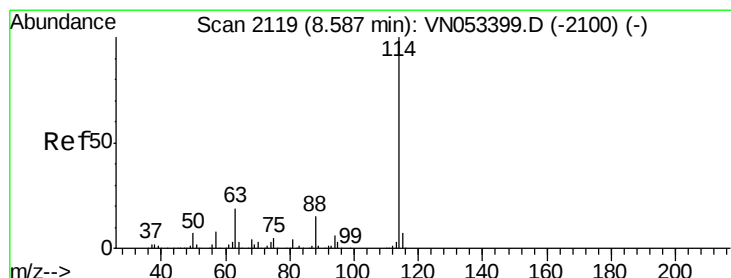
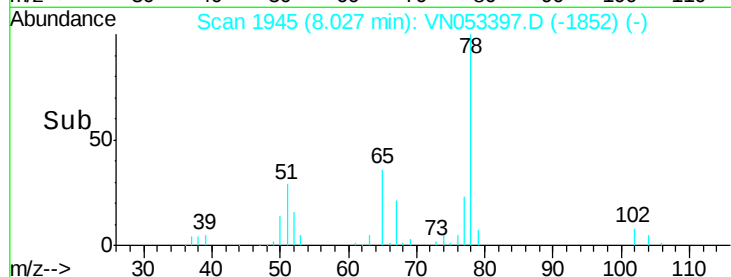
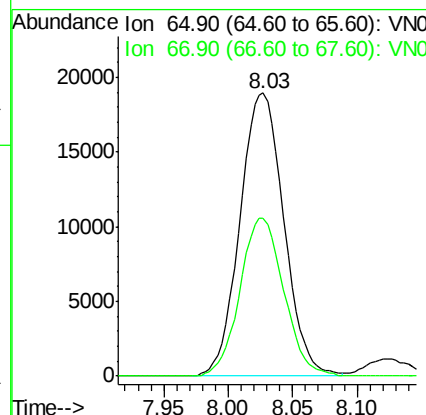
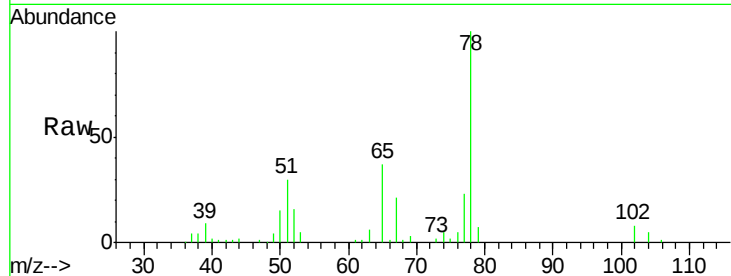
#33
 1,2-Dichloroethane-d4
 Concen: 4.847 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	111.0	

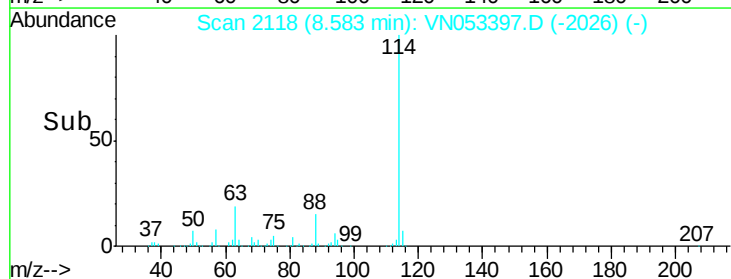
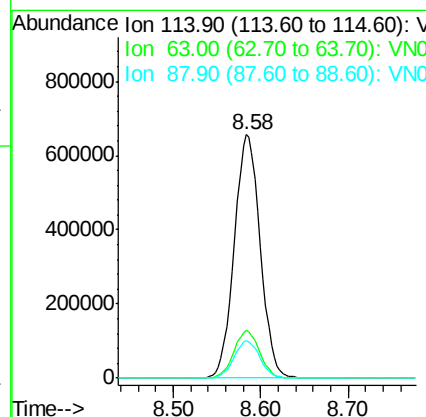
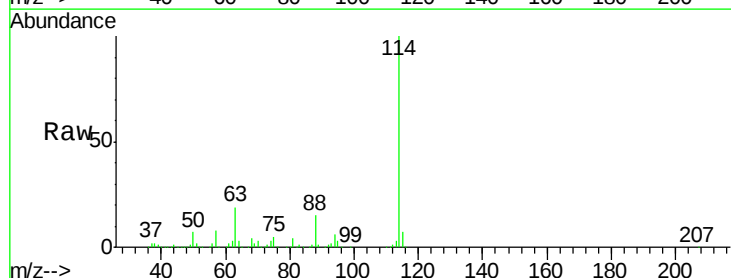
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	39.0	
88	15.4	0.0	30.8	





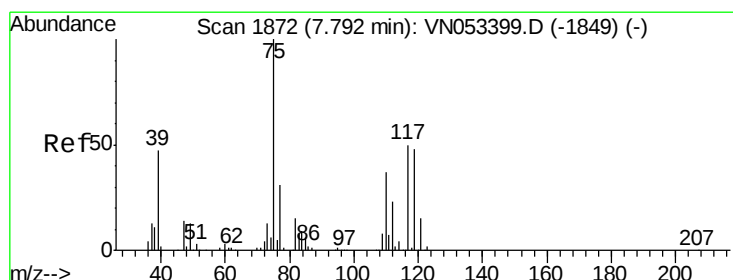
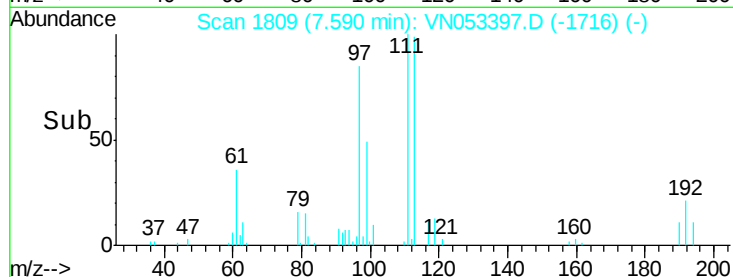
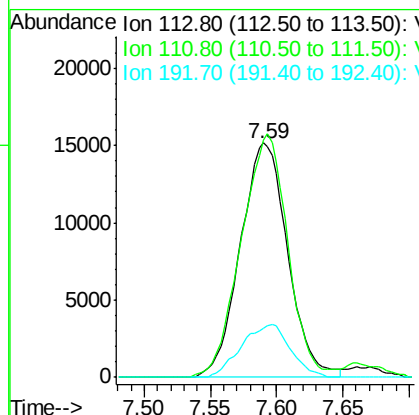
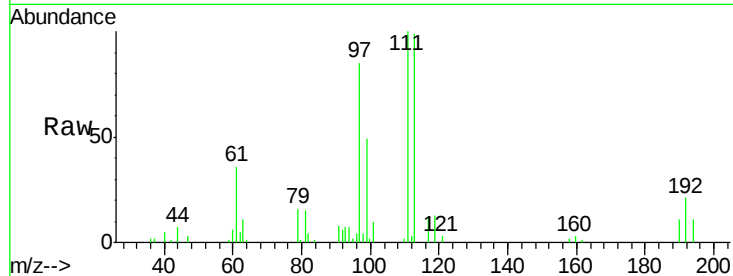
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	23.2	17.9	26.9

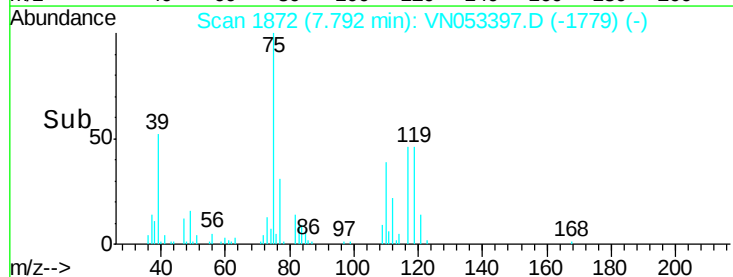
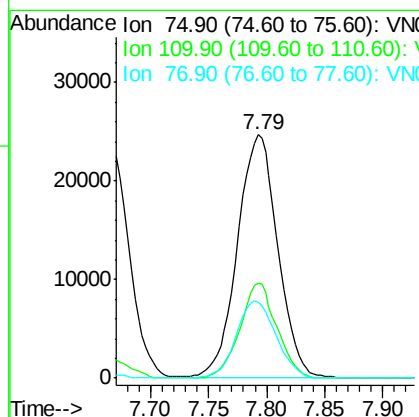
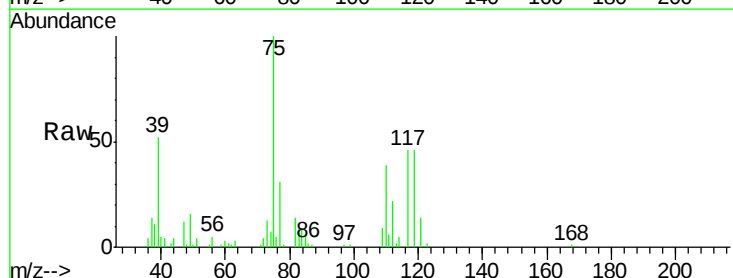
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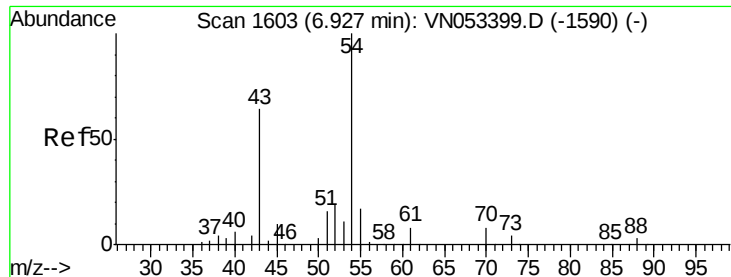
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#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.4	55.0
77	30.9	25.3	37.9





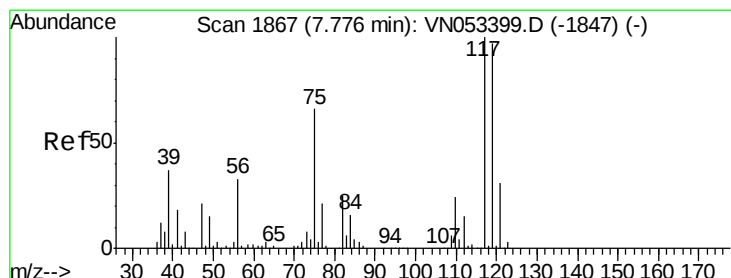
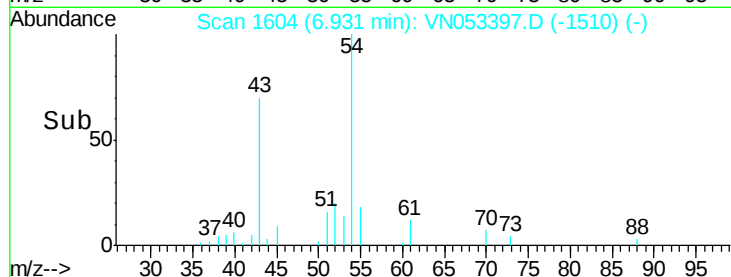
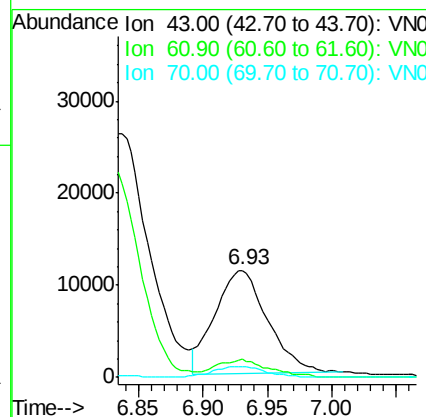
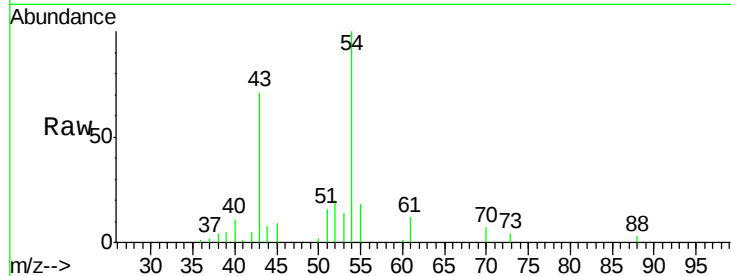
#37
Ethyl Acetate
Concen: 4.492 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	16.7	11.9	17.9	
70	10.4	8.6	13.0	

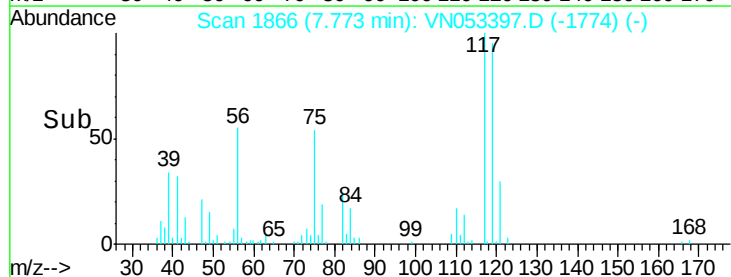
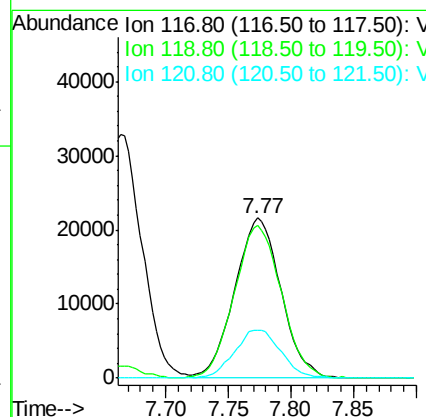
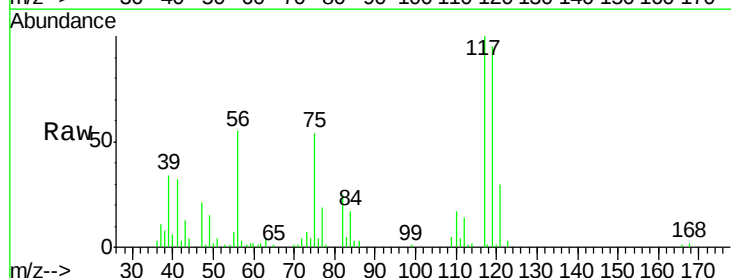
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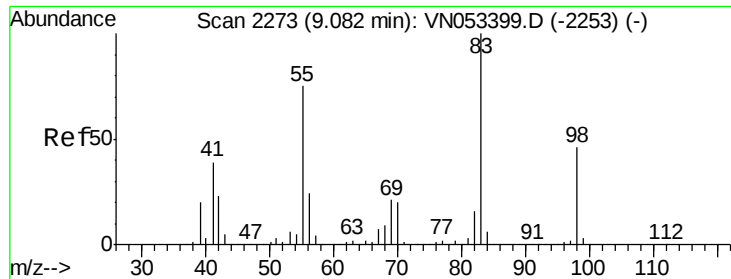
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.760 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.4	76.6	115.0	
121	29.8	25.0	37.4	





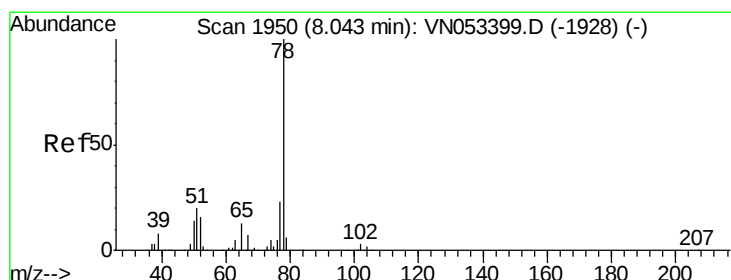
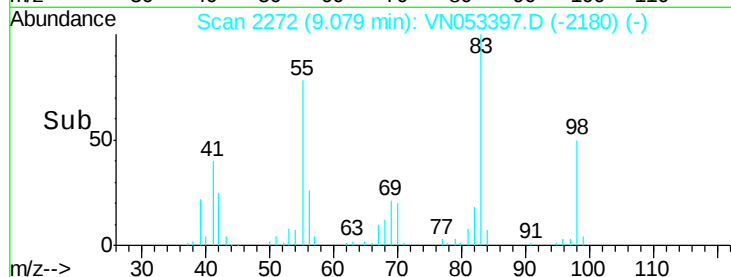
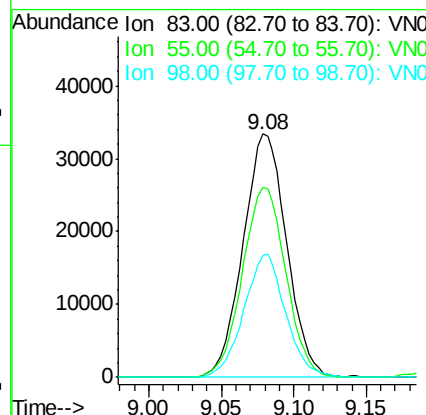
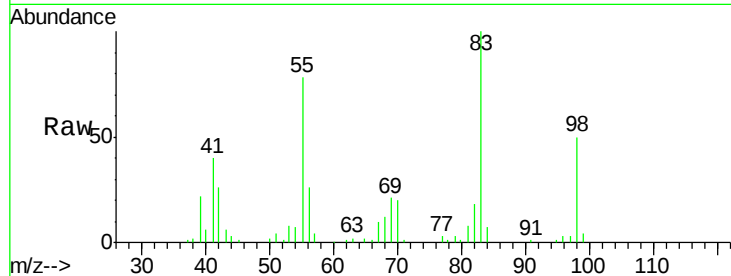
#39
Methylvlcyclohexane
Concen: 4.603 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp:	69852
Ion	Ratio	Lower	Upper
83	100		
55	78.1	60.1	90.1
98	49.9	36.7	55.1

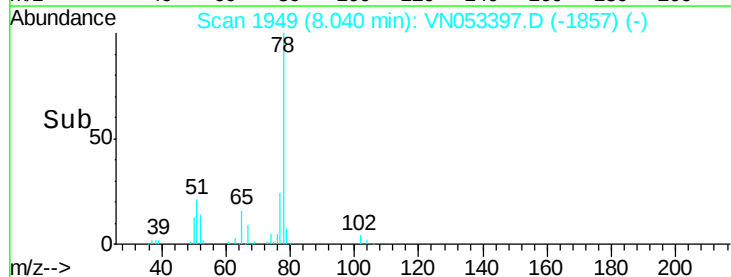
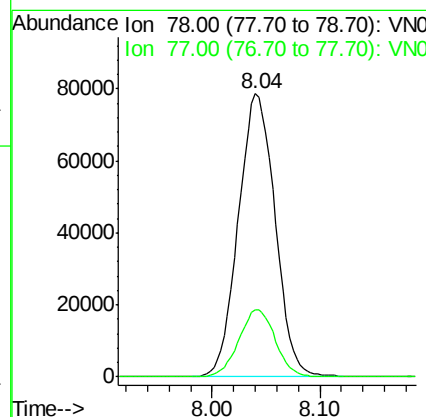
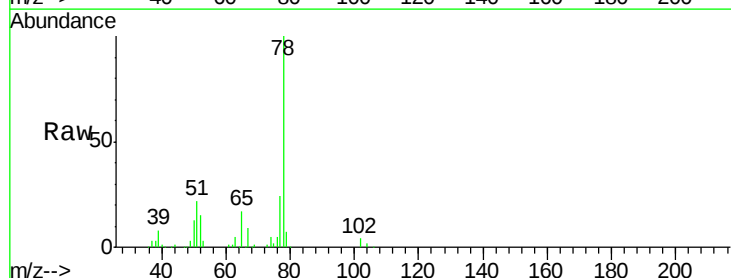
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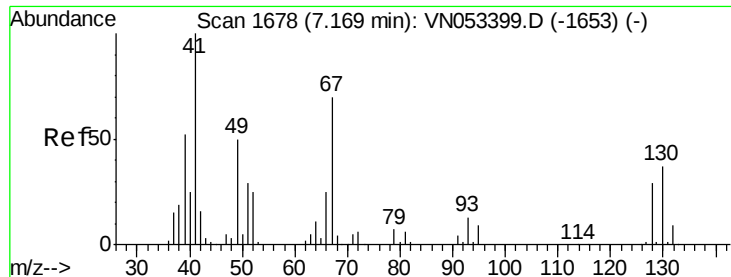
MMDadoda
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#40
Benzene
Concen: 4.985 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	78.00	Resp:	185979
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 4.049 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 17832

Ion Ratio Lower Upper

41 100

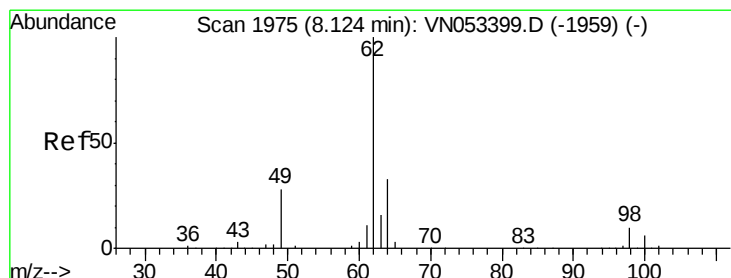
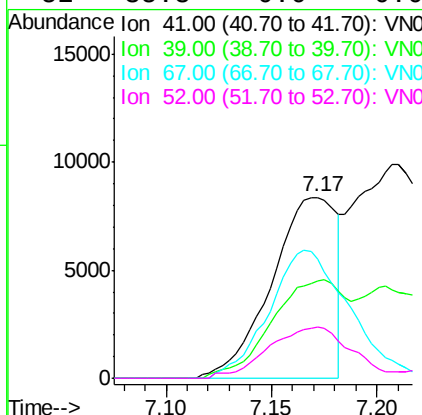
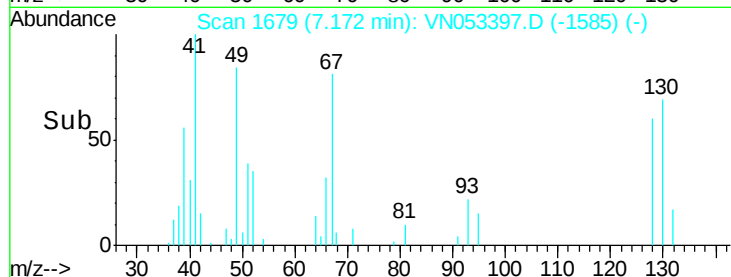
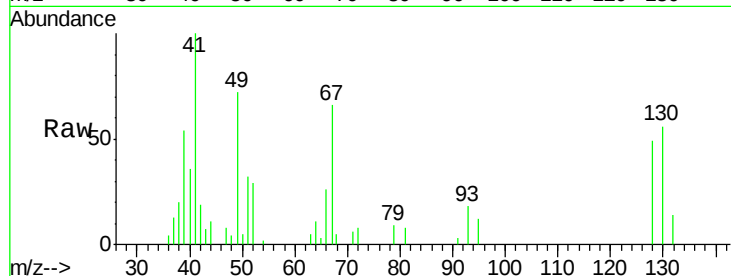
39 62.5 0.0 0.0#

67 87.4 0.0 0.0#

52 35.8 0.0 0.0#

Manual Integrations
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1/16/2019 9:50:39 AM



#42

1,2-Dichloroethane

Concen: 5.041 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053397.D

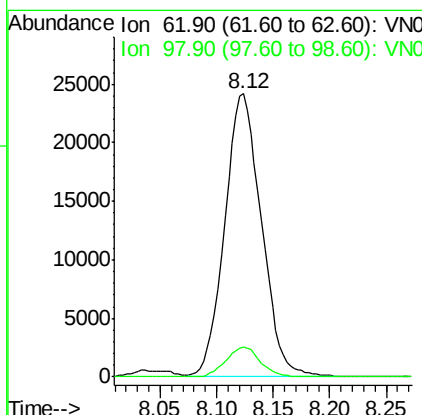
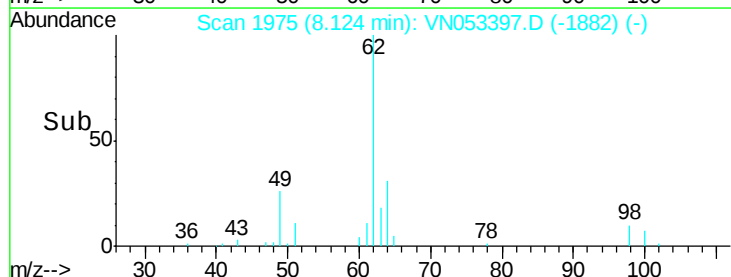
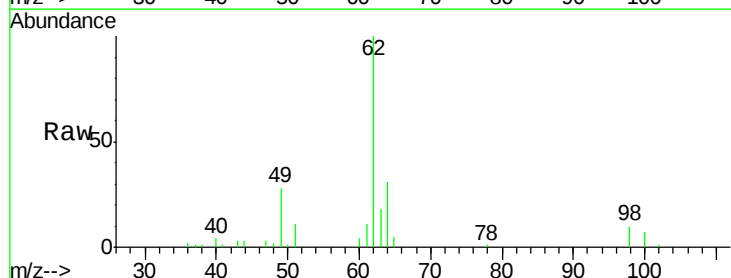
Acq: 15 Jan 2019 9:42

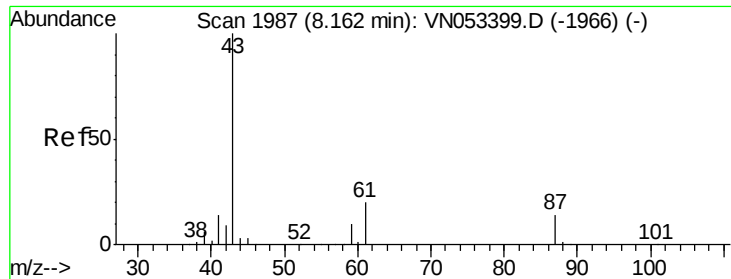
Tgt Ion: 62 Resp: 54793

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 4.796 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

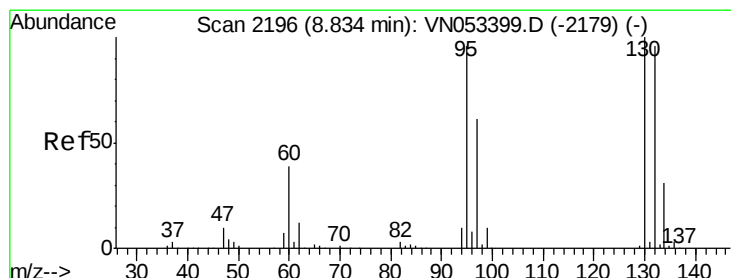
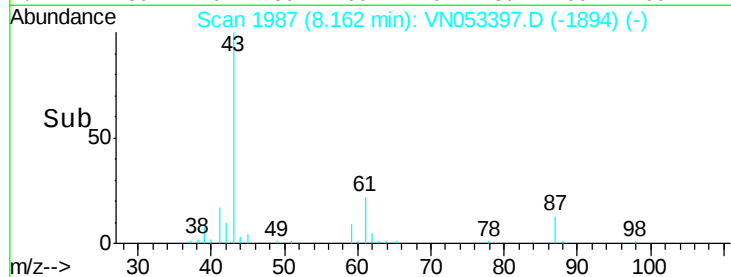
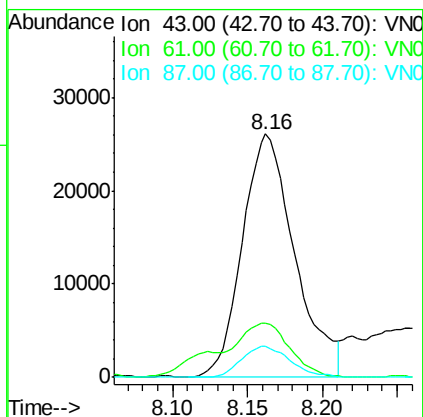
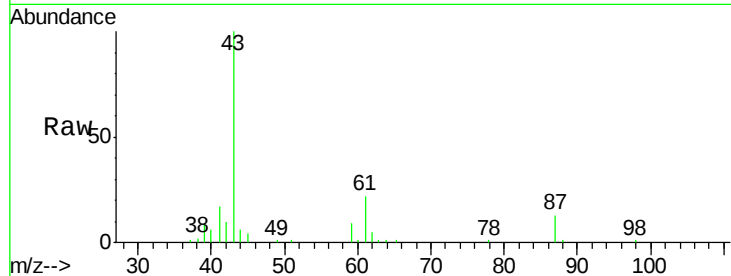
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	63607
Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.3	34.9#
87	11.7	10.8	16.2

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 4.980 ug/l

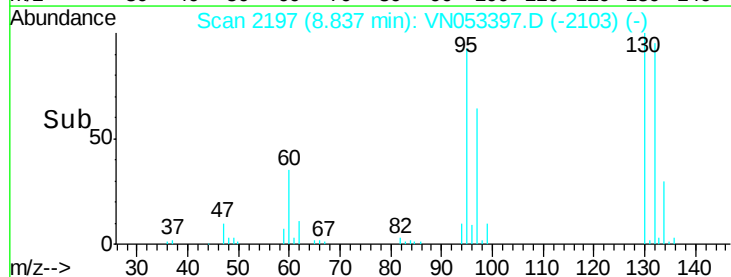
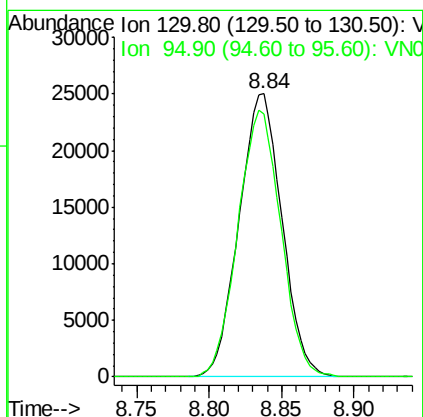
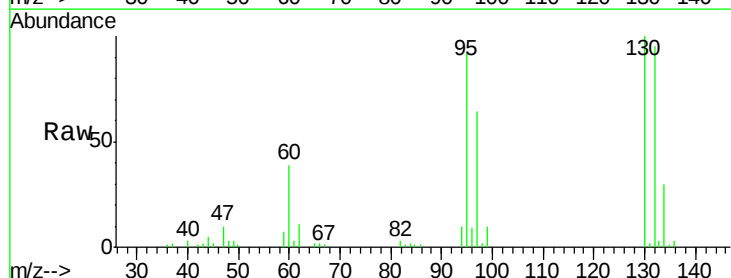
RT: 8.84 min Scan# 2197

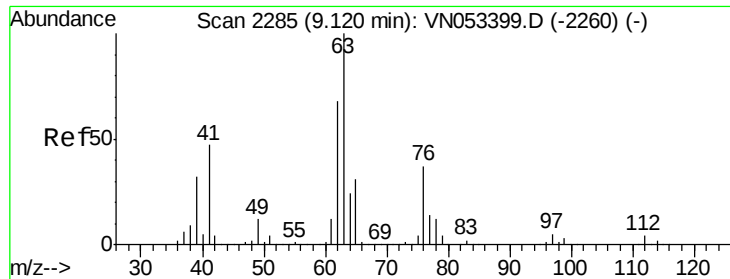
Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion:	130	Resp:	51526
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	191.8





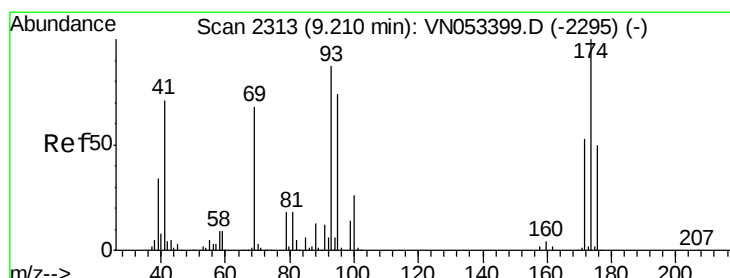
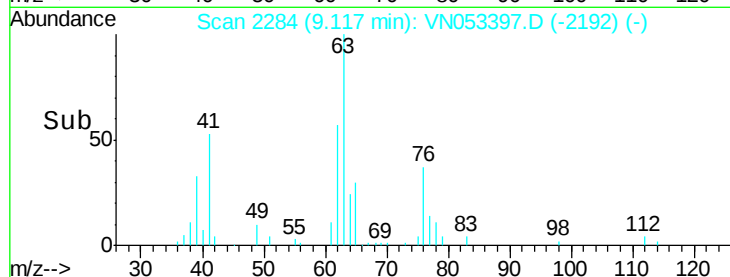
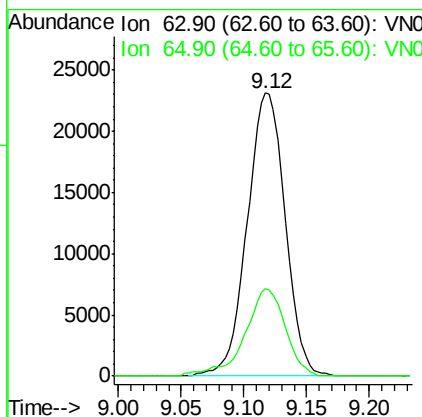
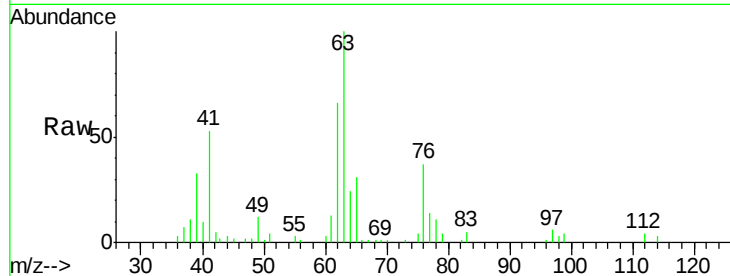
#45
 1,2-Dichloropropane
 Concen: 4.930 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 48712
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

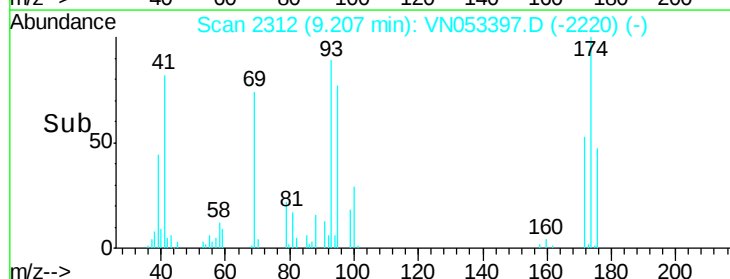
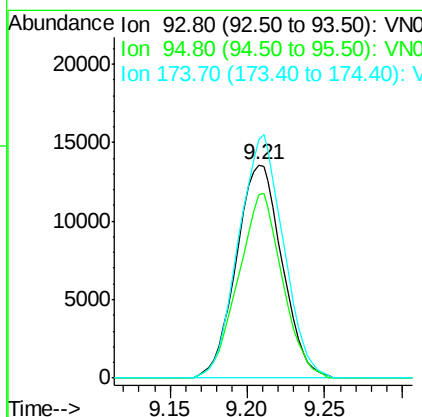
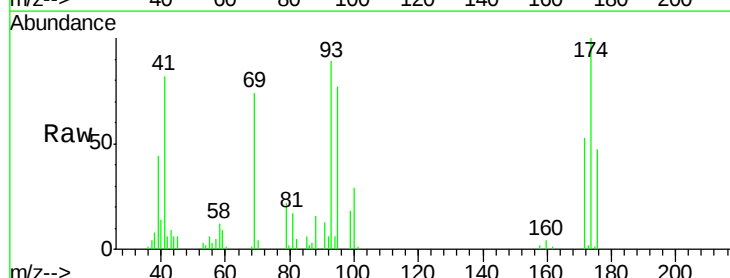
Manual Integrations
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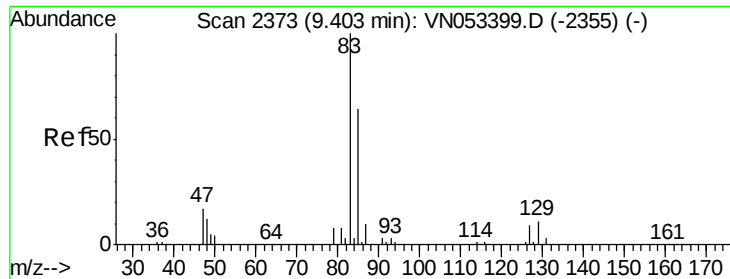
MMDadoda
 1/16/2019 9:50:39 AM



#46
 Dibromomethane
 Concen: 4.933 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion: 93 Resp: 28007
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 111.6 91.4 137.0





#47

Bromodichloromethane

Concen: 4.879 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

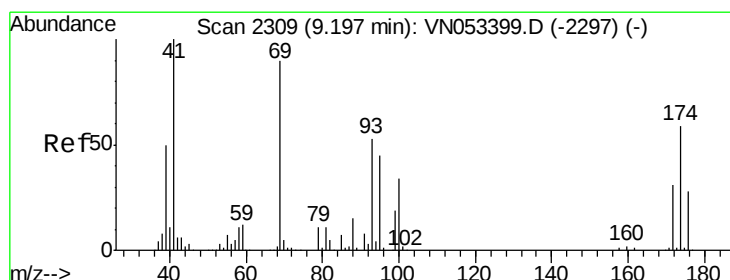
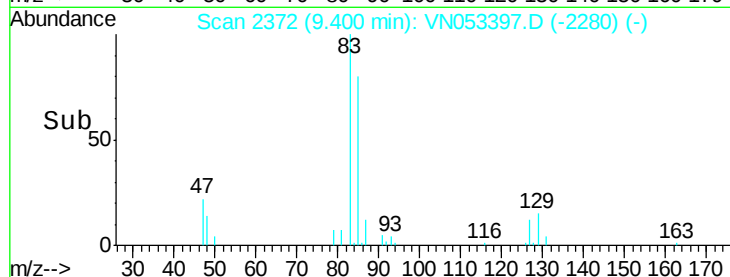
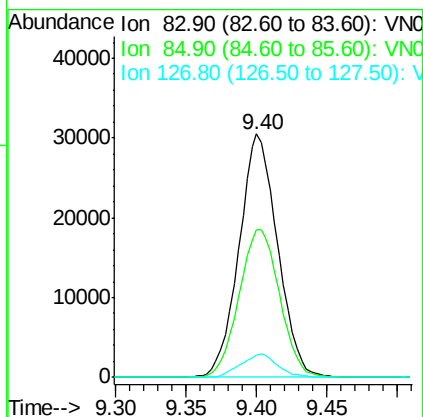
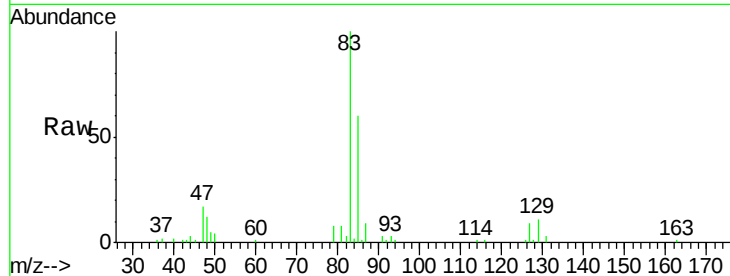
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	58256
Ion Ratio	Lower	Upper	
83	100		
85	60.5	51.7	77.5
127	9.0	7.0	10.6

Manual Integrations
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MMDadoda
1/16/2019 9:50:39 AM



#48

Methyl methacrylate

Concen: 4.527 ug/l

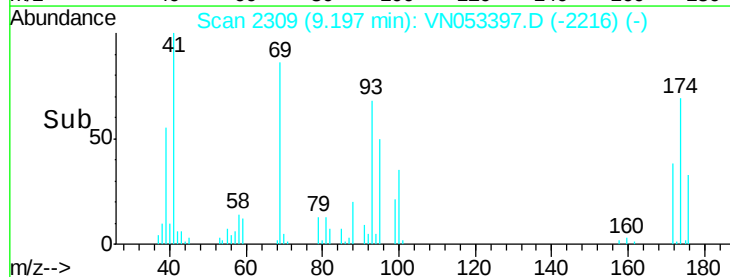
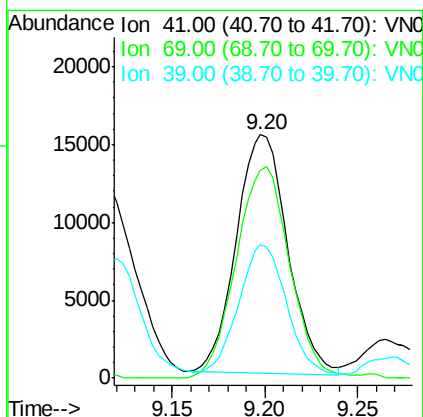
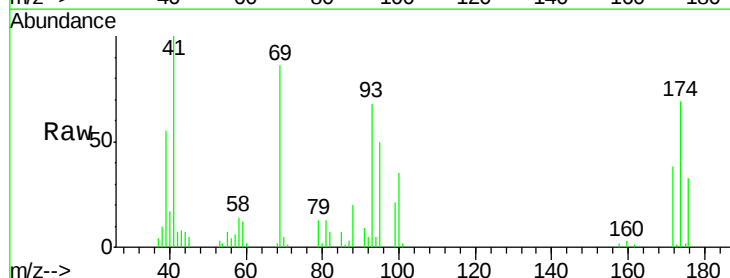
RT: 9.20 min Scan# 2309

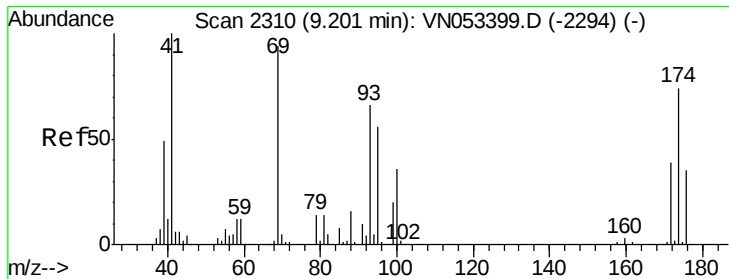
Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion:	41	Resp:	29684
Ion Ratio	Lower	Upper	
41	100		
69	92.1	73.5	110.3
39	50.9	41.6	62.4





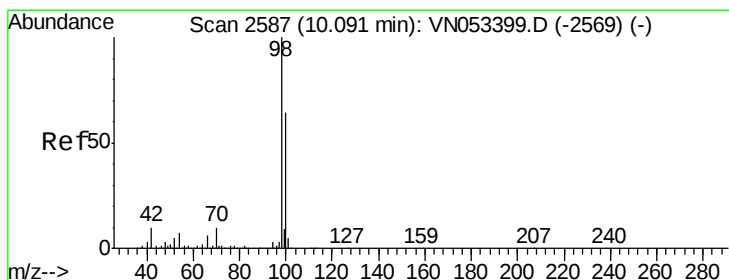
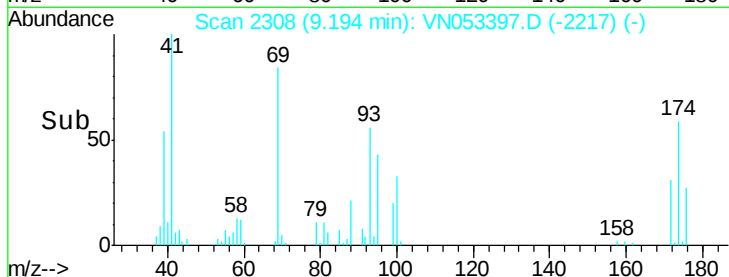
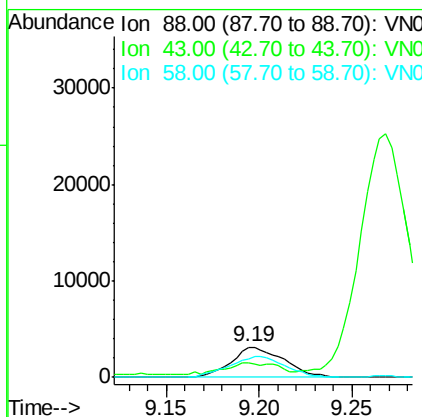
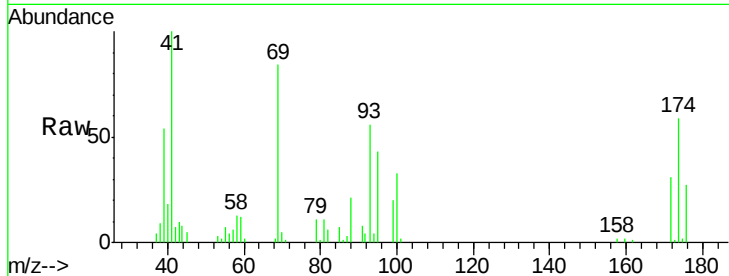
#49
 1,4-Dioxane
 Concen: 96.450 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	26.2	39.4#
58	72.9	55.5	83.3

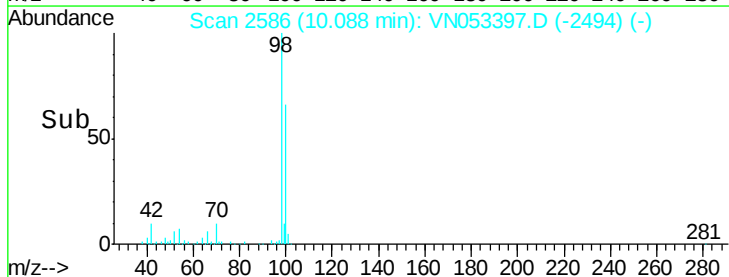
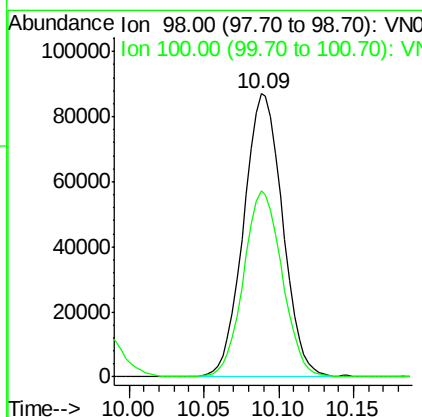
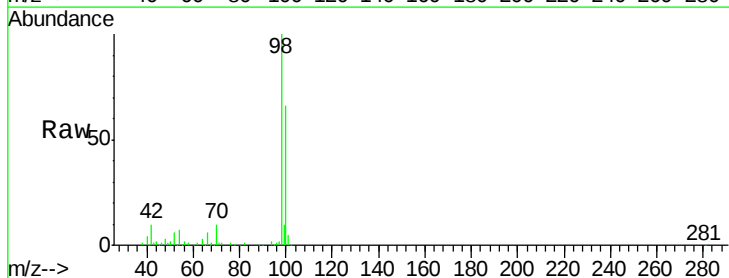
Manual Integrations
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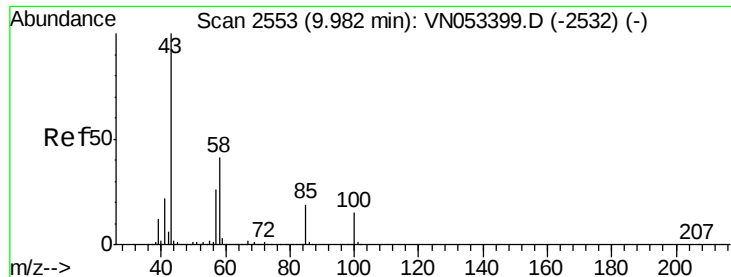
MMDadoda
 1/16/2019 9:50:39 AM



#50
 Toluene-d8
 Concen: 96.450 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3





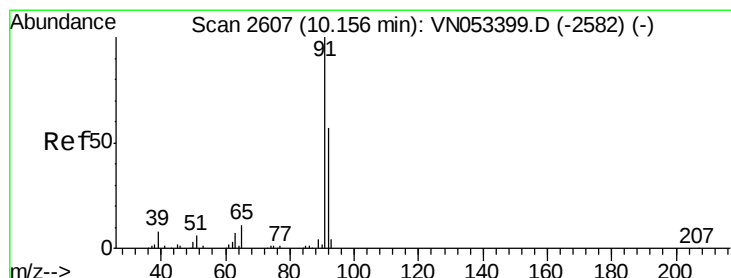
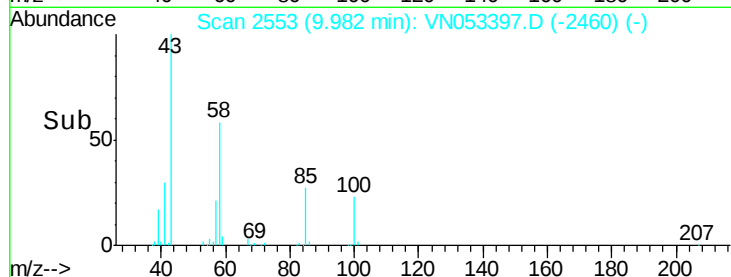
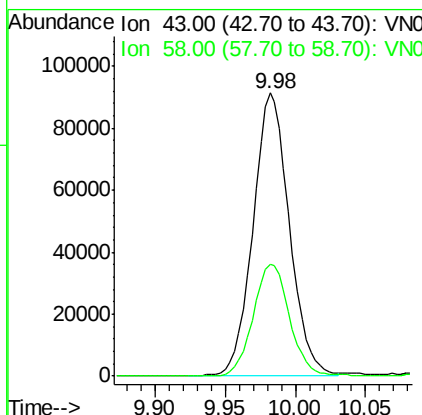
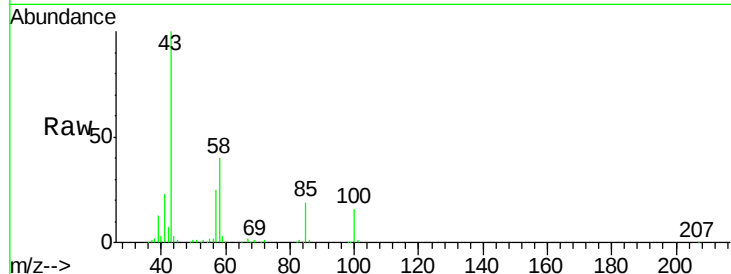
#51
4-Methyl-2-Pentanone
Concen: 23.481 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.7	49.1

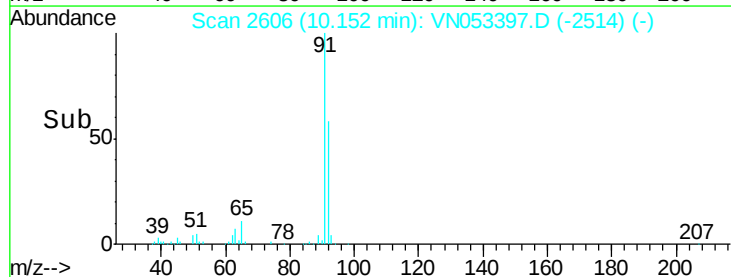
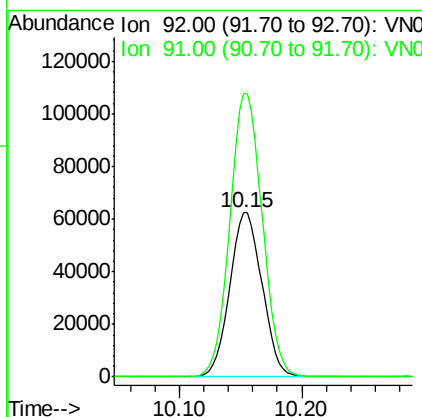
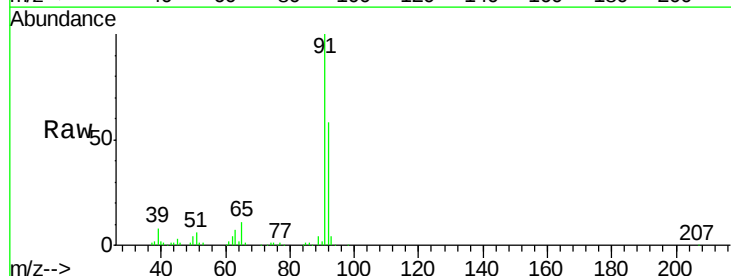
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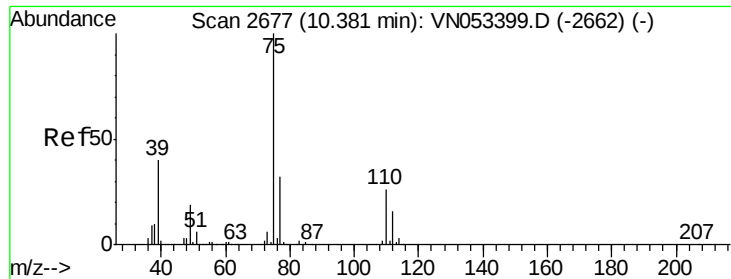
MMDadoda
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#52
Toluene
Concen: 4.967 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.6	208.0





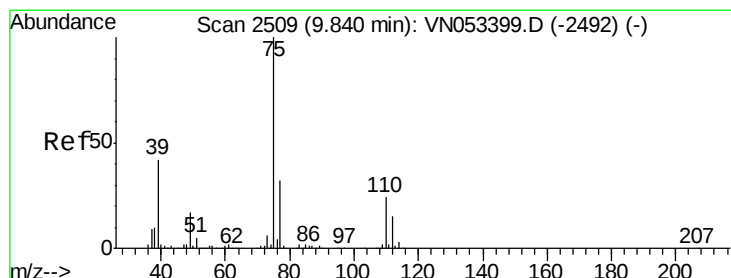
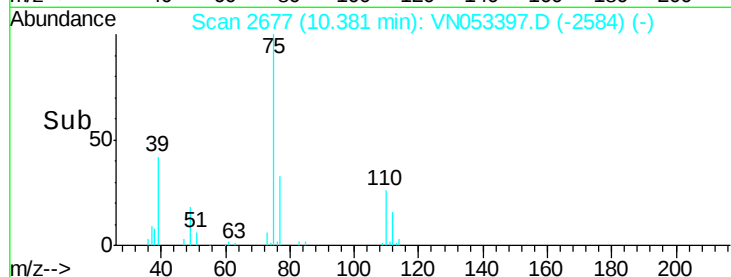
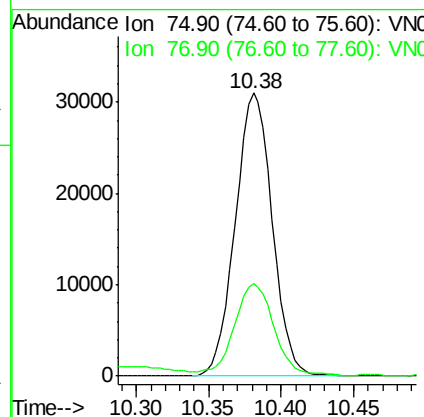
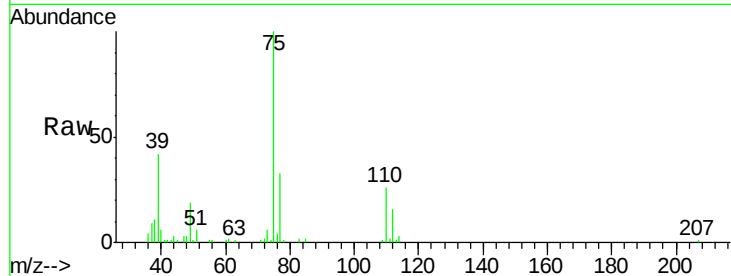
#53
 t-1,3-Dichloropropene
 Concen: 4.526 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4

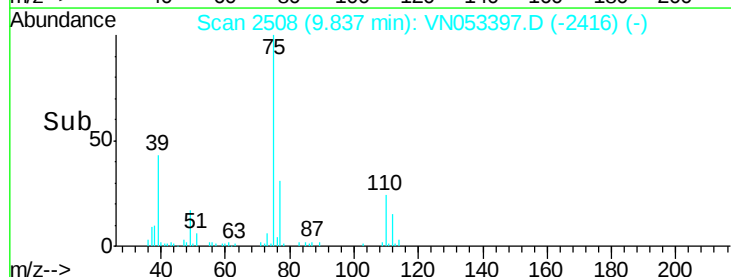
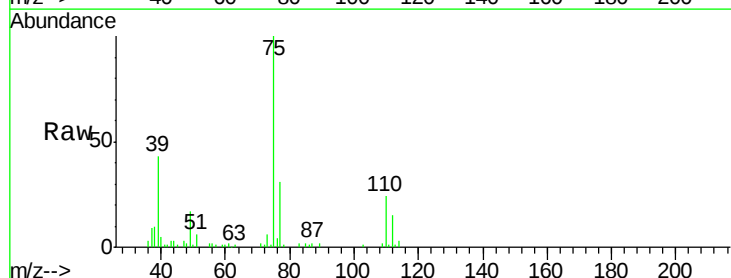
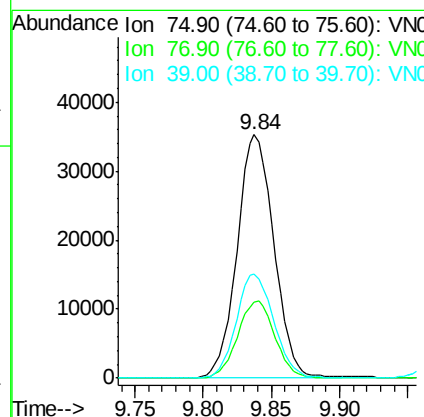
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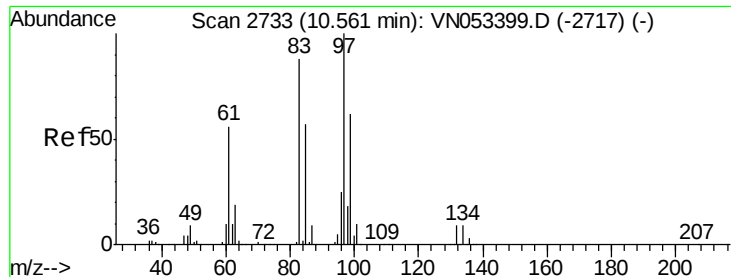
MMDadoda
 1/16/2019 9:50:39 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.663 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	43.0	33.1	49.7





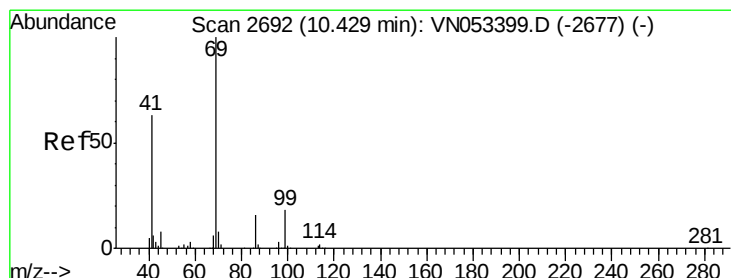
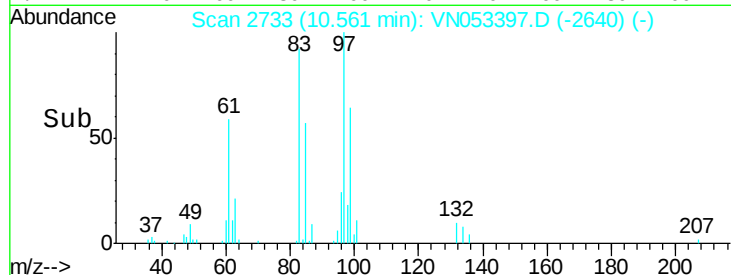
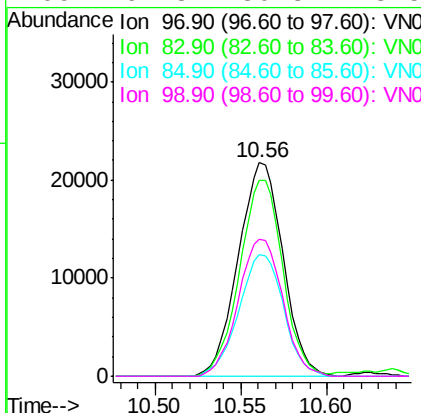
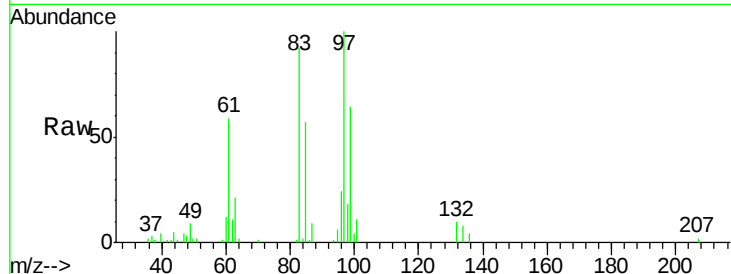
#55
 1,1,2-Trichloroethane
 Concen: 4.928 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		39352		
83	91.9	69.1	103.7		
85	56.8	44.2	66.4		
99	64.3	50.3	75.5		

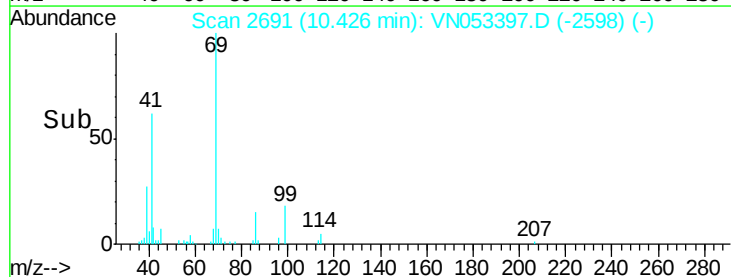
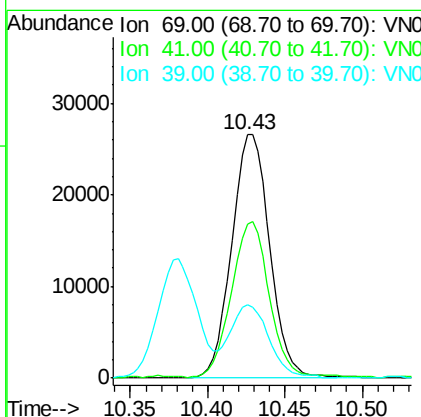
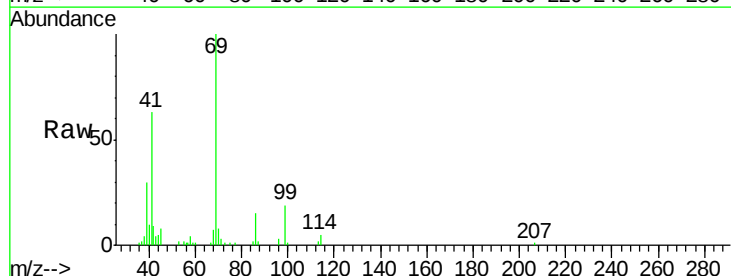
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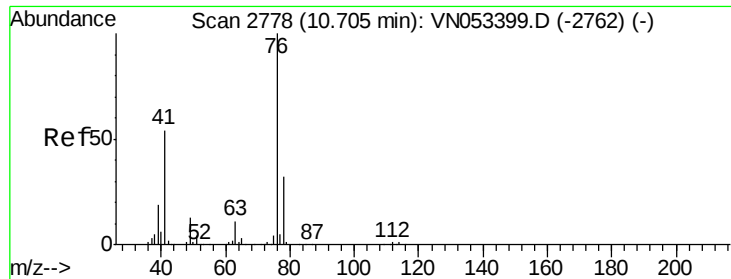
MMDadoda
 1/16/2019 9:50:39 AM



#56
 Ethyl methacrylate
 Concen: 5.895 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		45349		
41	65.2	49.2	73.8		
39	31.1	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 4.955 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 68446

Ion Ratio Lower Upper

76 100

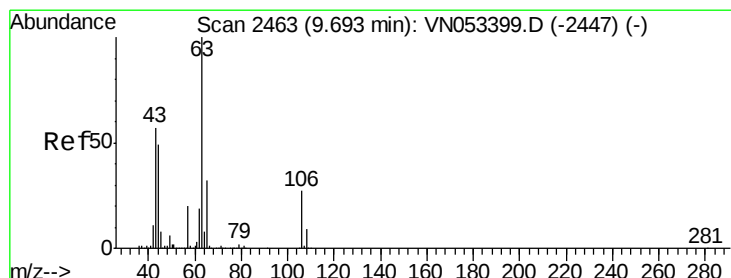
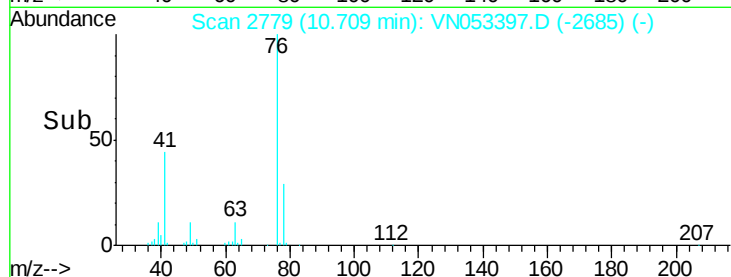
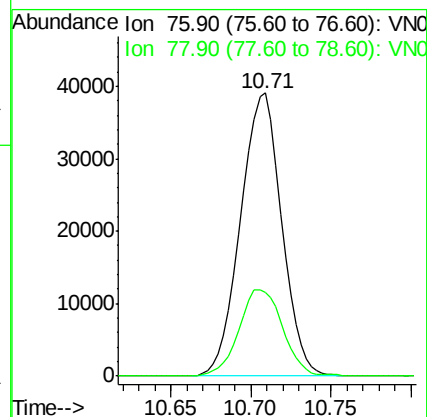
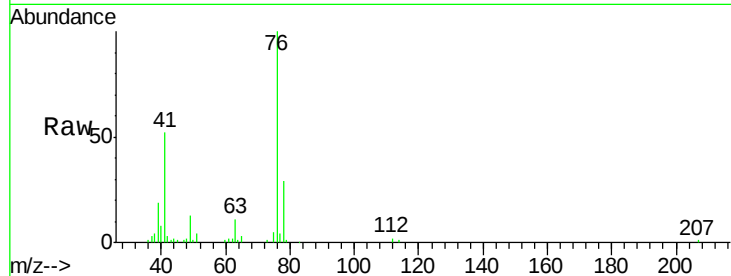
78 32.5 25.8 38.8

Manual Integrations

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MMDadoda

1/16/2019 9:50:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 23.103 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053397.D

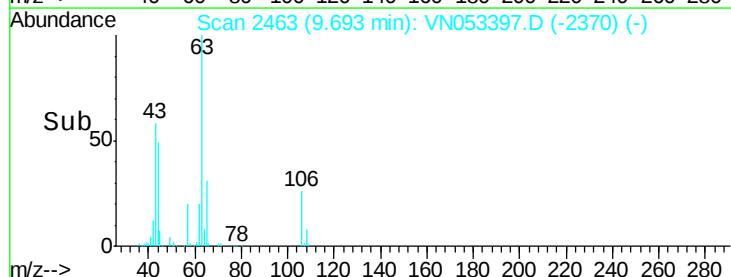
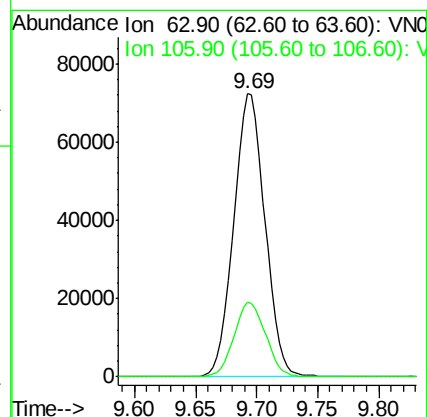
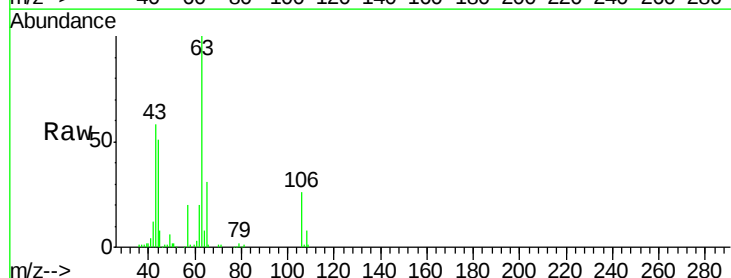
Acq: 15 Jan 2019 9:42

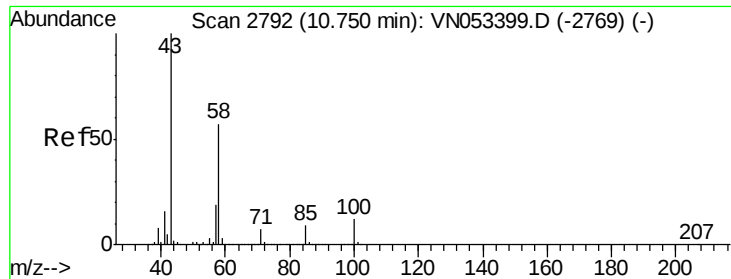
Tgt Ion: 63 Resp: 129063

Ion Ratio Lower Upper

63 100

106 26.5 21.7 32.5





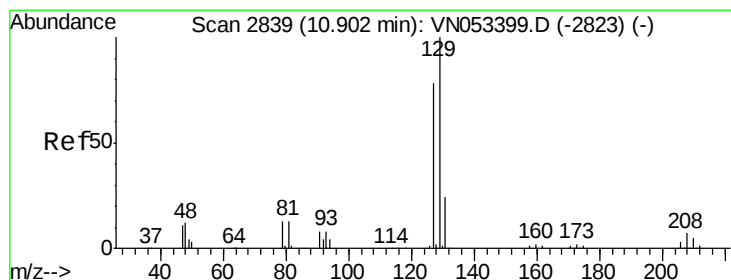
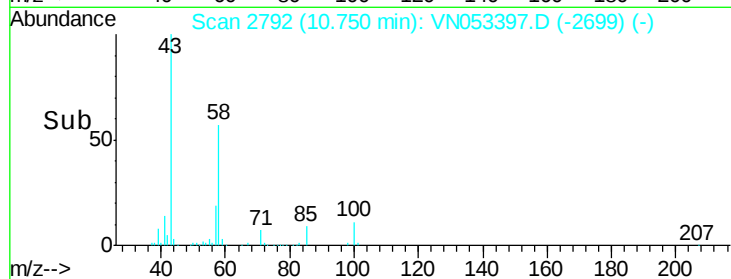
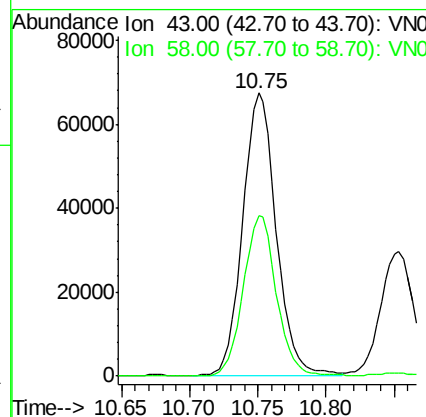
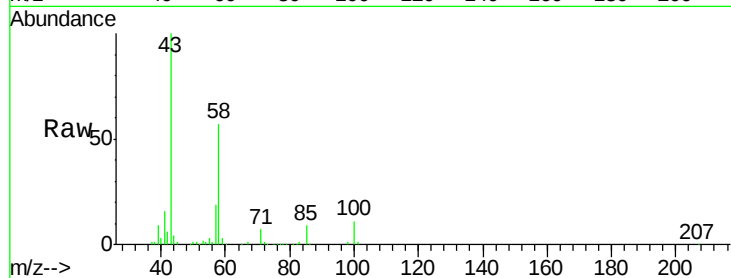
#59
2-Hexanone
Concen: 23.441 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.3	85.0

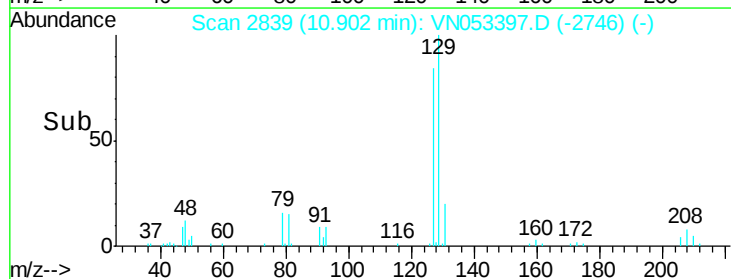
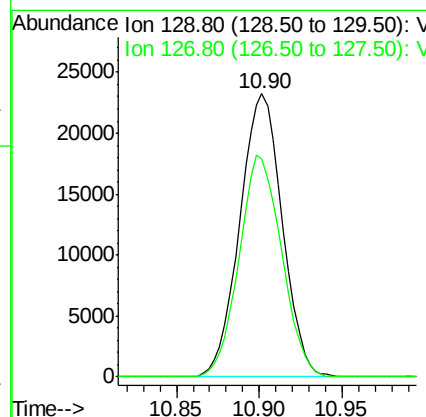
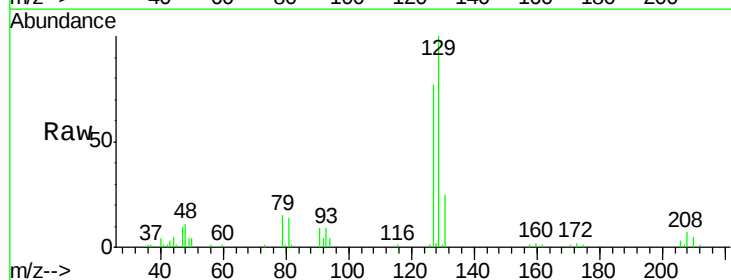
Manual Integrations
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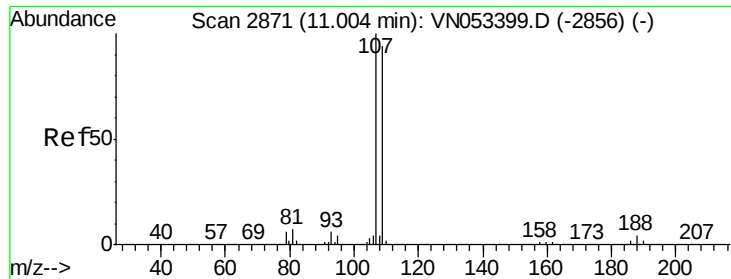
MMDadoda
1/16/2019 9:50:39 AM



#60
Dibromochloromethane
Concen: 4.561 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.4	115.2





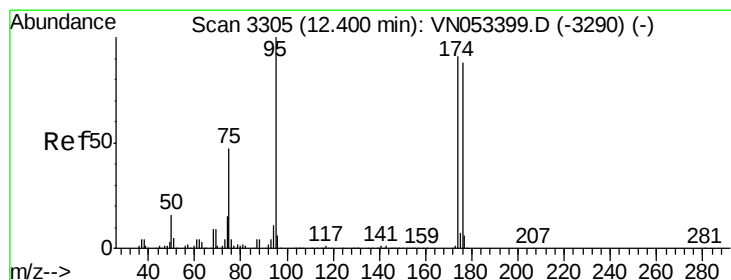
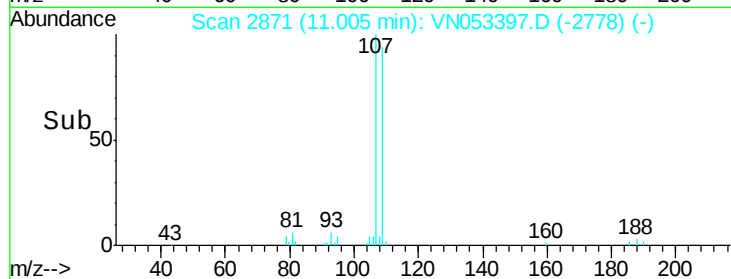
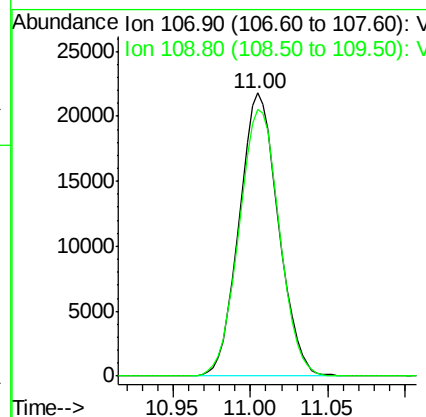
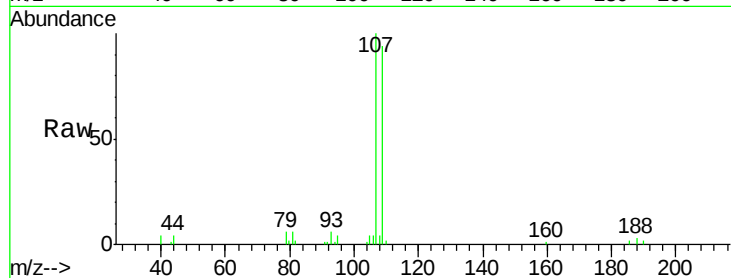
#61
 1,2-Dibromoethane
 Concen: 4.744 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	75.0	112.6

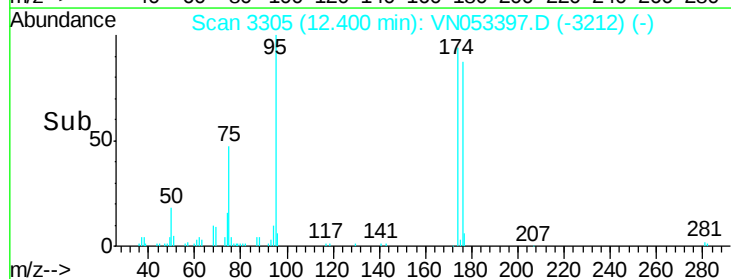
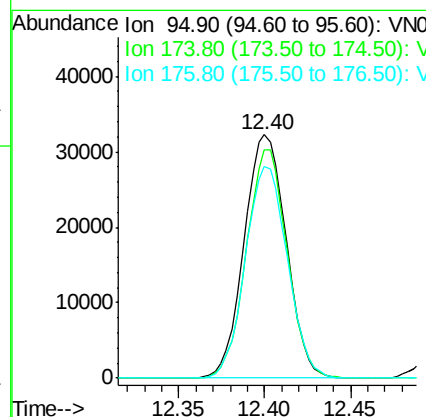
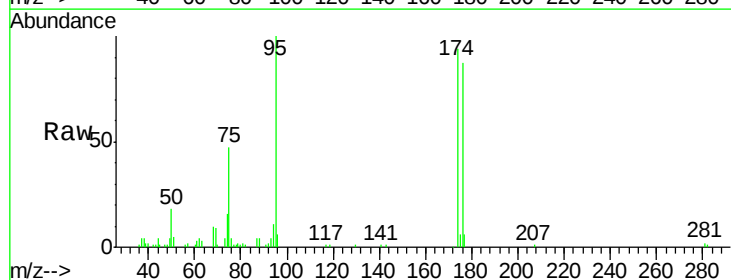
Manual Integrations
 APPROVED

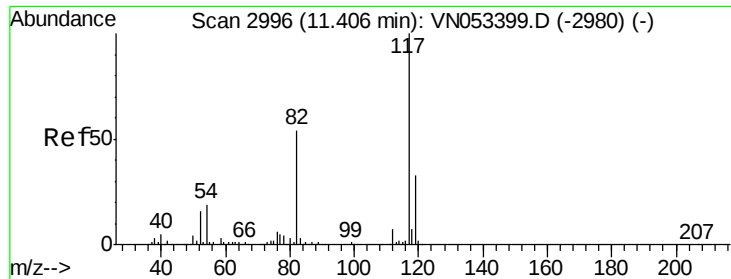
MMDadoda
 1/16/2019 9:50:39 AM



#62
 4-Bromofluorobenzene
 Concen: 4.744 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	180.4
176	86.9	0.0	175.6





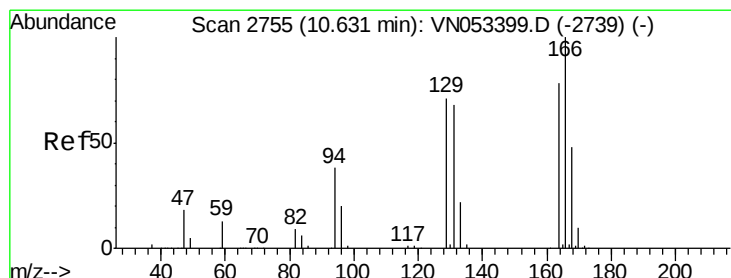
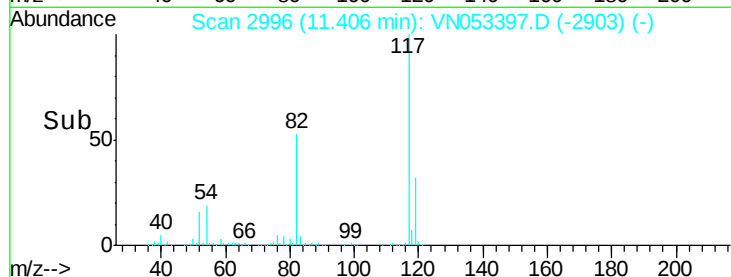
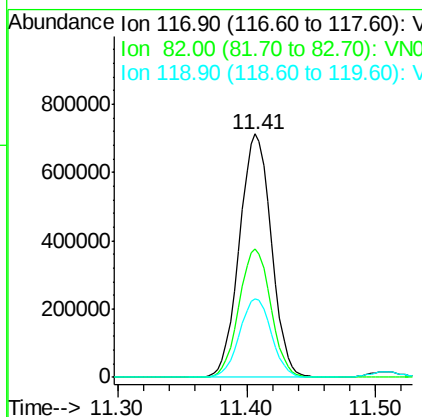
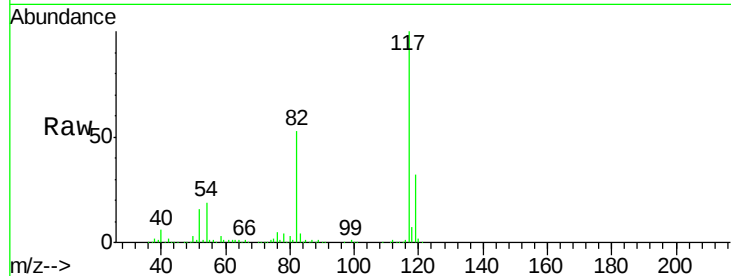
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.9	64.3
119	32.5	25.6	38.4

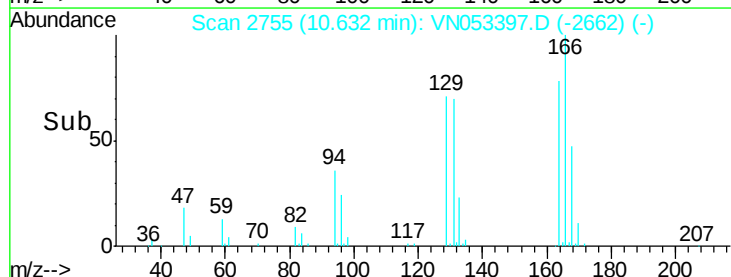
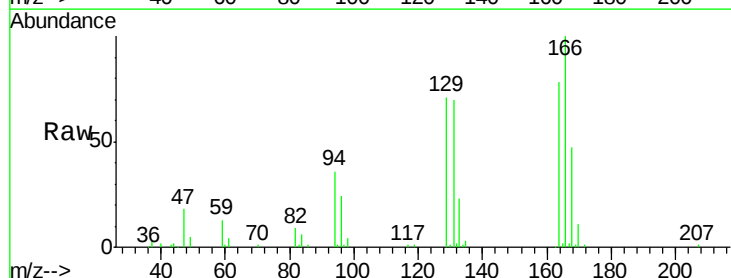
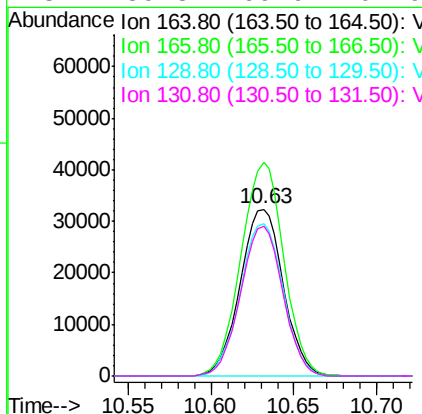
Manual Integrations
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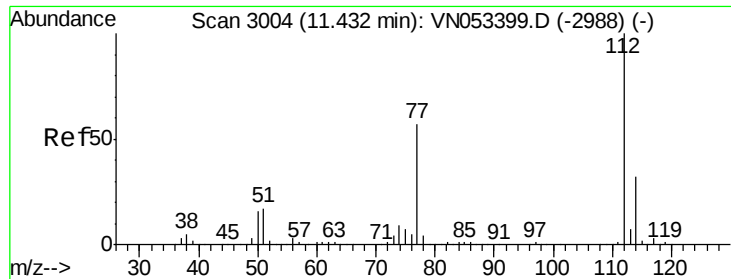
MMDadoda
1/16/2019 9:50:39 AM



#64
Tetrachloroethene
Concen: 5.051 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.7	152.5
129	90.9	72.1	108.1
131	89.8	69.9	104.9





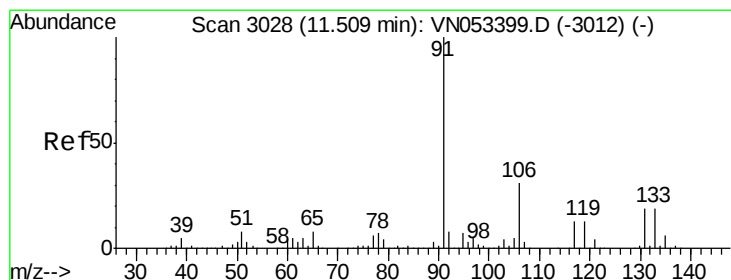
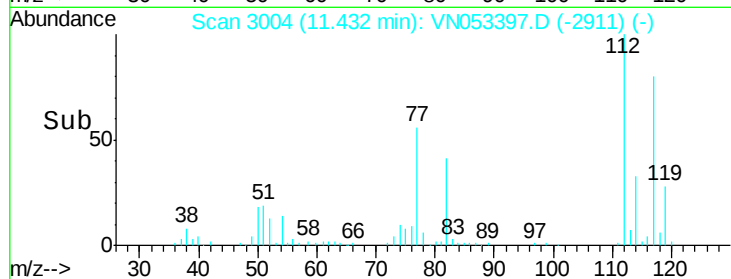
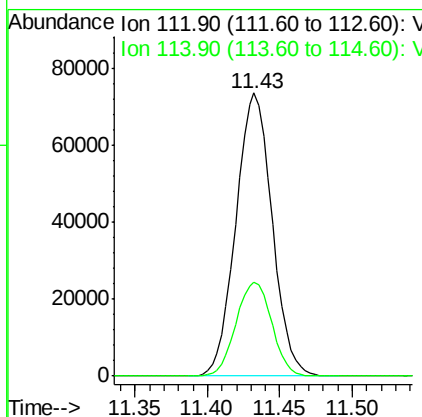
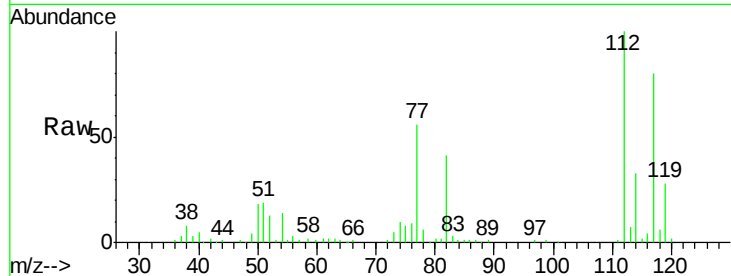
#65
Chlorobenzene
Concen: 4.911 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 127803
Ion Ratio Lower Upper
112 100
114 33.1 25.6 38.4

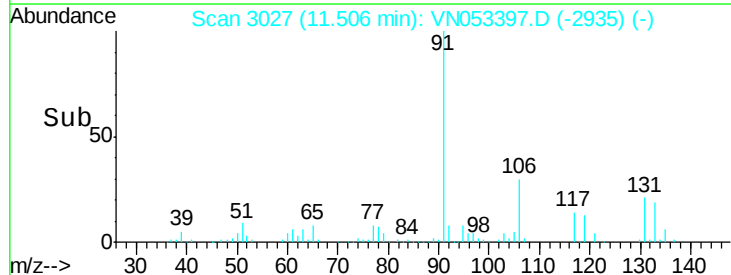
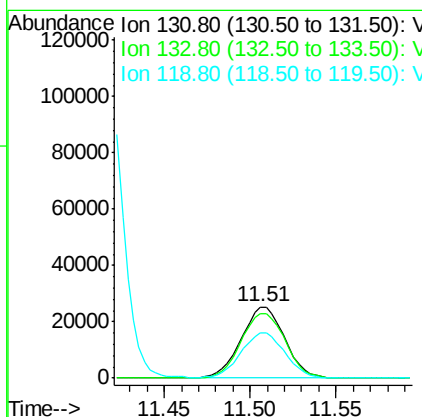
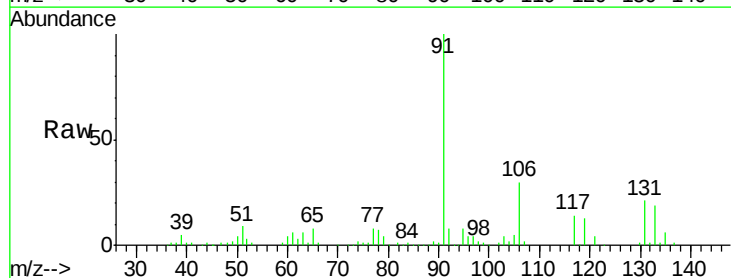
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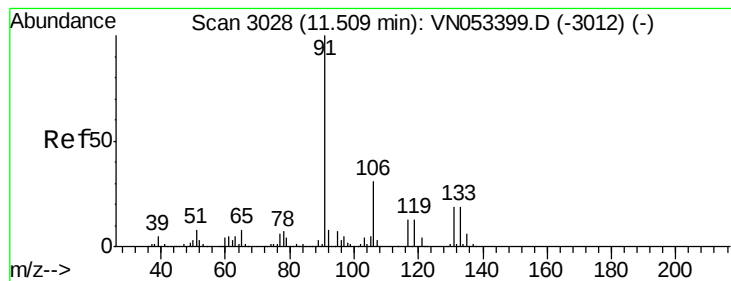
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.872 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion:131 Resp: 44104
Ion Ratio Lower Upper
131 100
133 93.1 48.0 144.0
119 65.1 33.3 99.9





#67

Ethyl Benzene

Concen: 4.865 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 215752

Ion Ratio Lower Upper

91 100

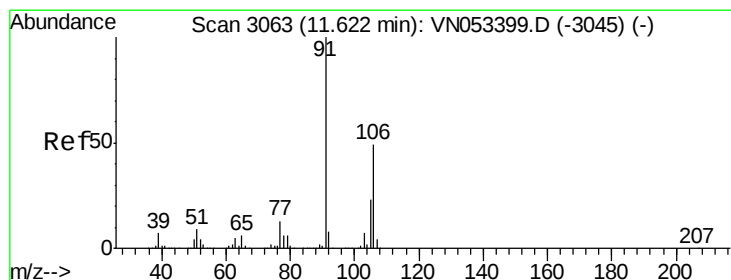
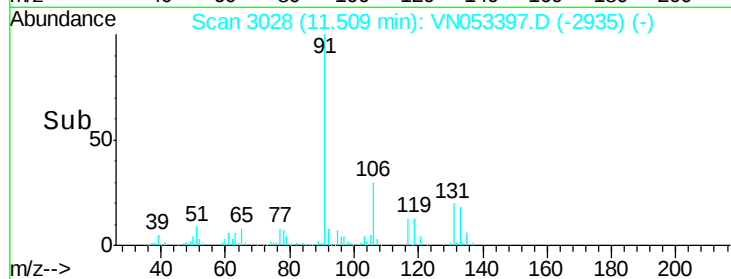
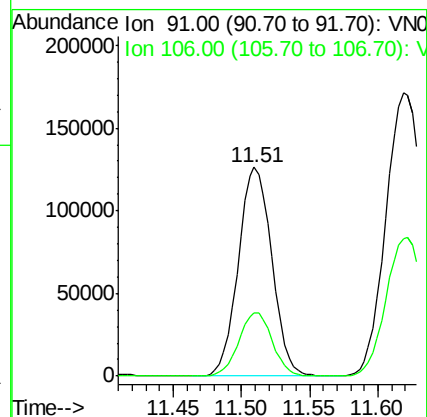
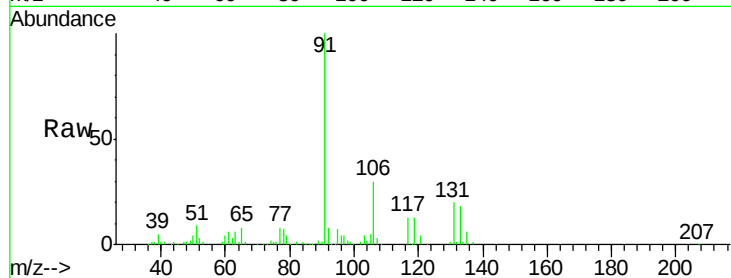
106 30.5 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 9.713 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053397.D

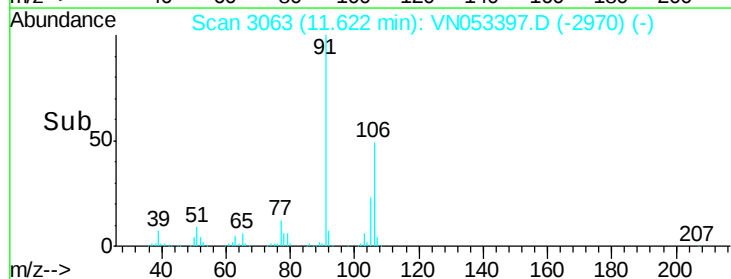
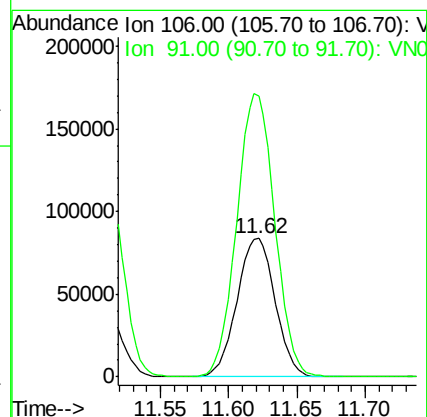
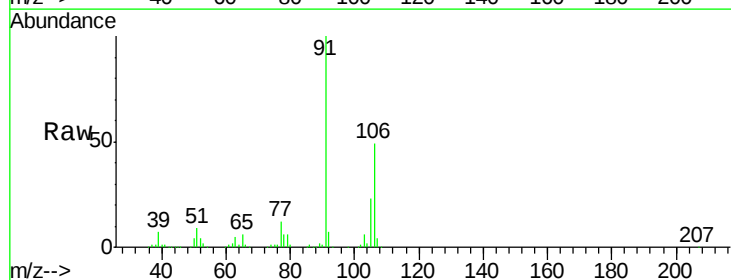
Acq: 15 Jan 2019 9:42

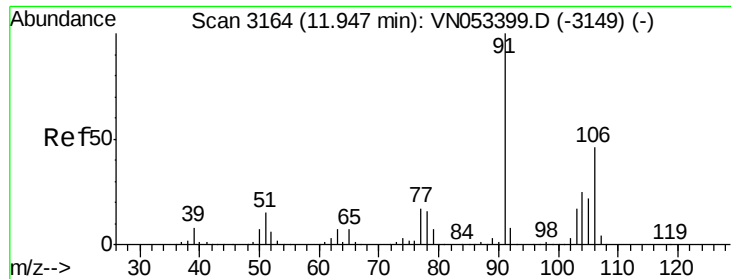
Tgt Ion: 106 Resp: 162635

Ion Ratio Lower Upper

106 100

91 203.3 161.4 242.2





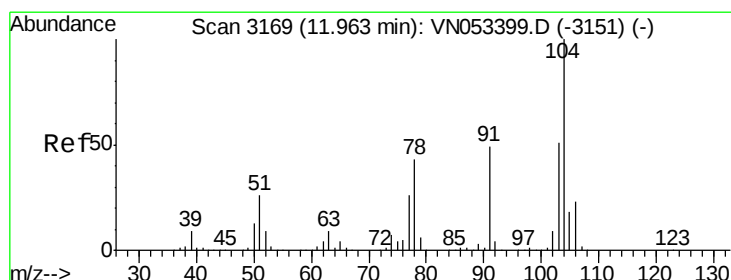
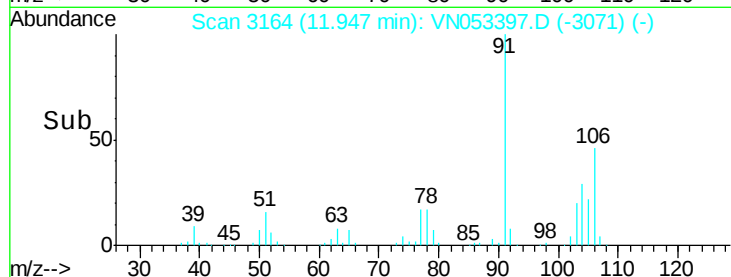
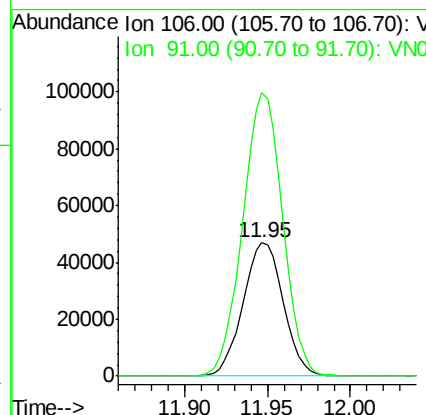
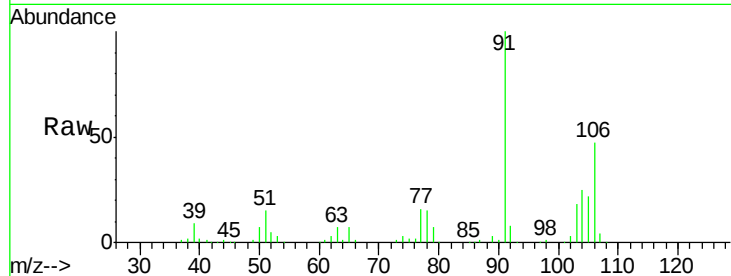
#69
o-Xylene
Concen: 4.875 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 79308
Ion Ratio Lower Upper
106 100
91 211.2 106.8 320.4

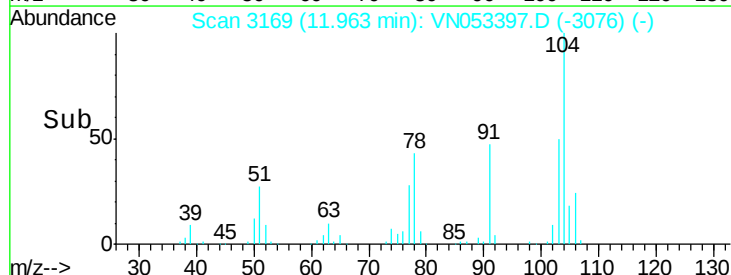
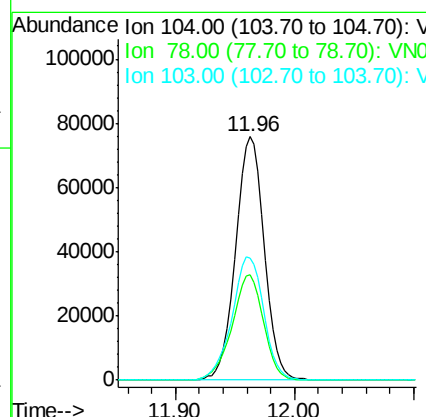
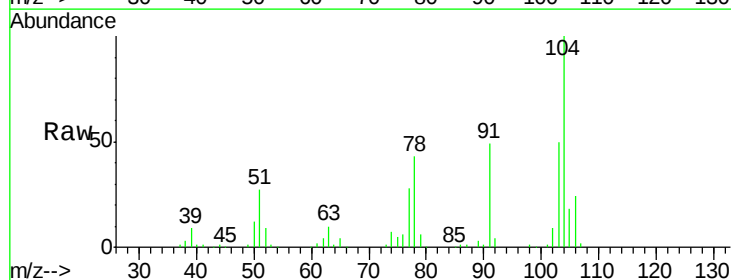
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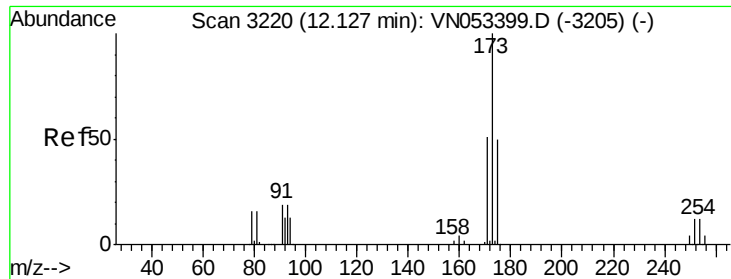
MMDadoda
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#70
Styrene
Concen: 4.794 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion:104 Resp: 126576
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 56.0 44.5 66.7





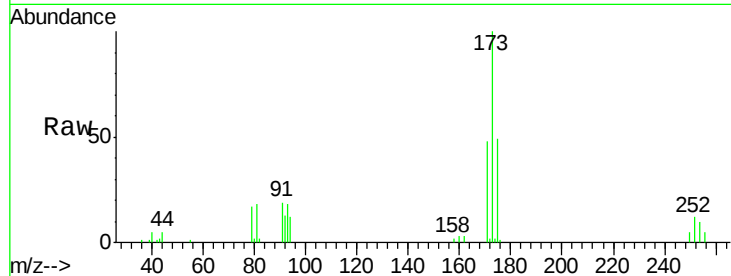
#71
Bromoform
Concen: 4.762 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

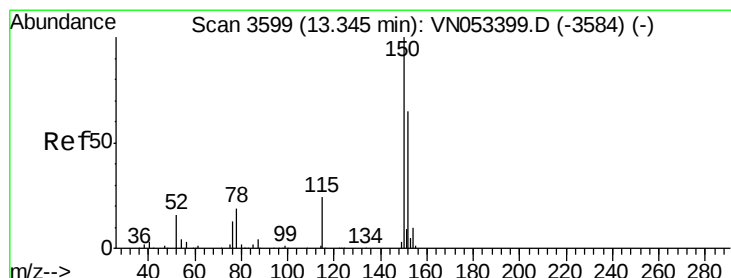
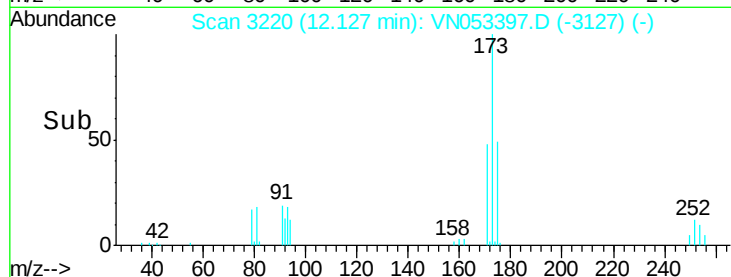
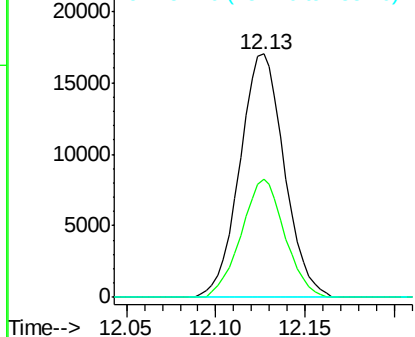
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.3	72.8
254	0.0	0.2	0.2

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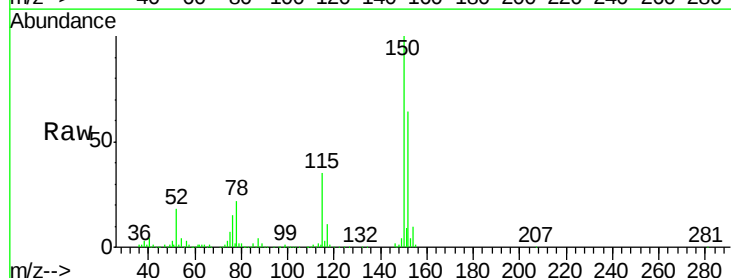


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

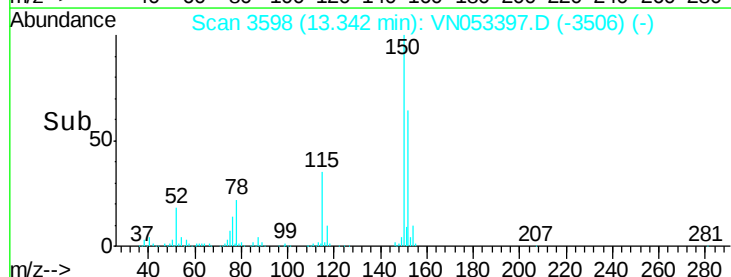
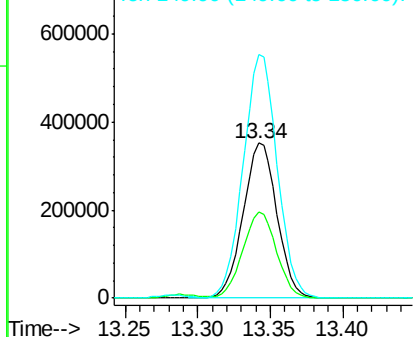


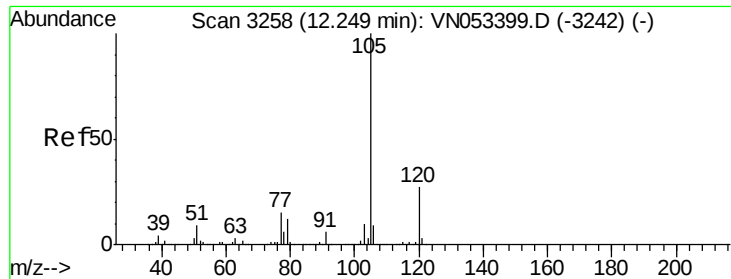
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.0	84.0
150	158.1	0.0	346.6



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





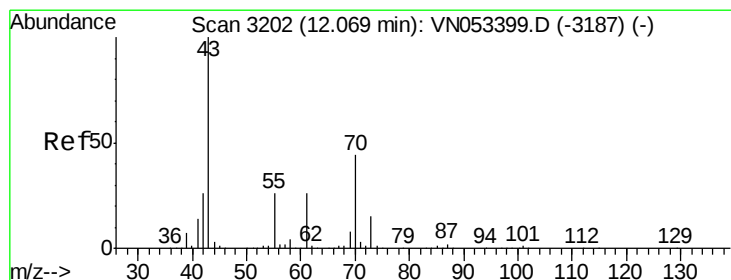
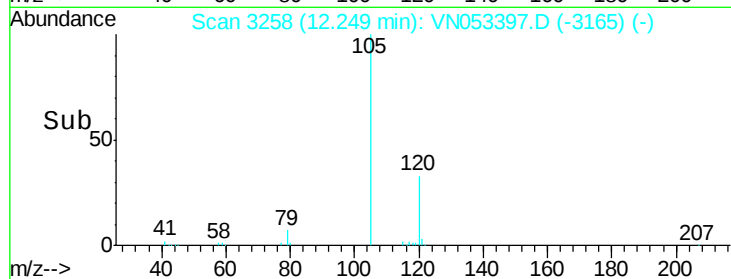
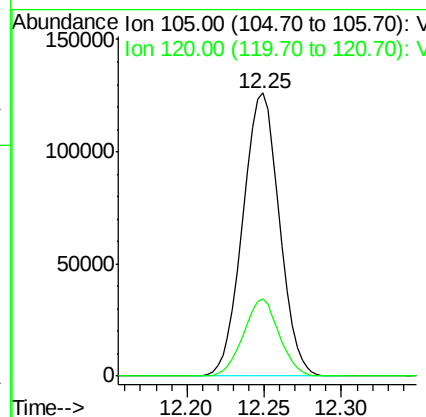
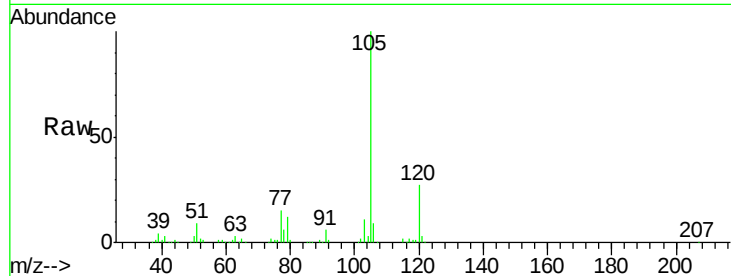
#73
Isopropylbenzene
Concen: 4.970 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.2

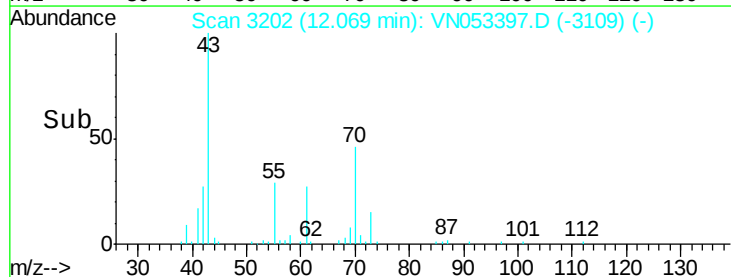
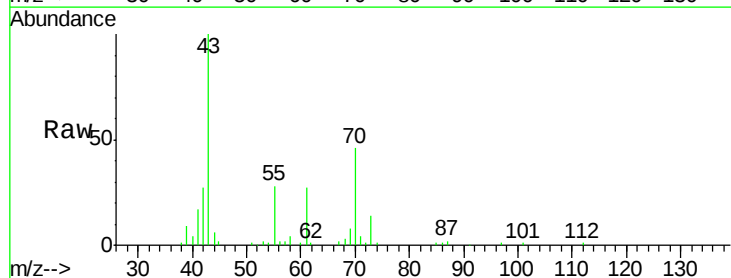
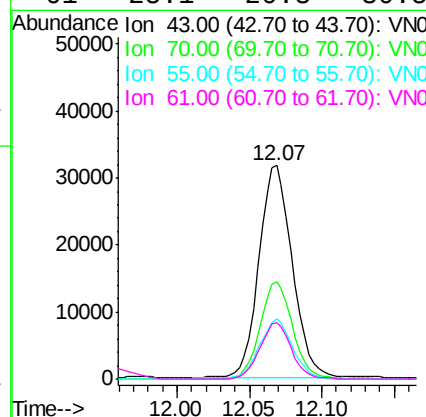
Manual Integrations
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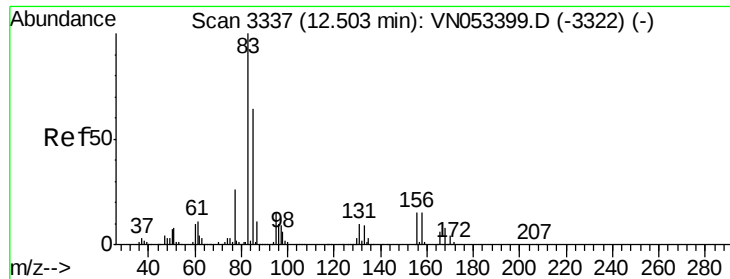
MMDadoda
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#74
N-ethyl acetate
Concen: 4.550 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.0	52.6
55	27.7	20.0	30.0
61	25.1	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.898 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 43006

Ion Ratio Lower Upper

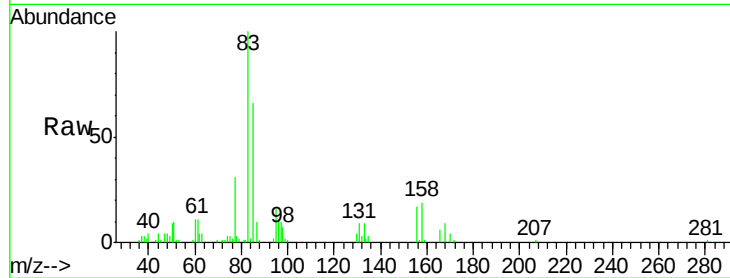
83 100

131 10.6 5.3 15.9

85 67.7 32.3 96.8

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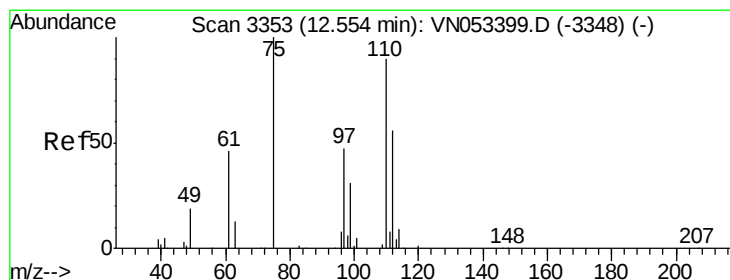
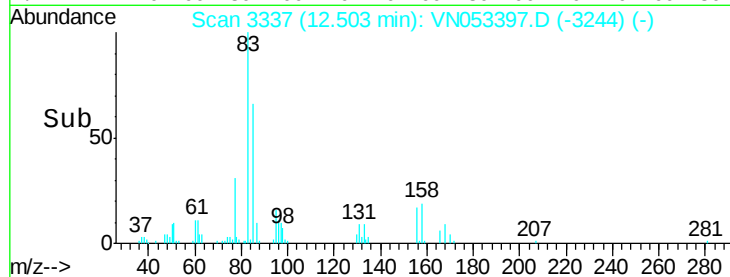
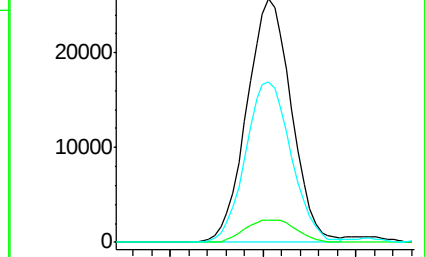
MMDadoda
1/16/2019 9:50:39 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 5.123 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053397.D

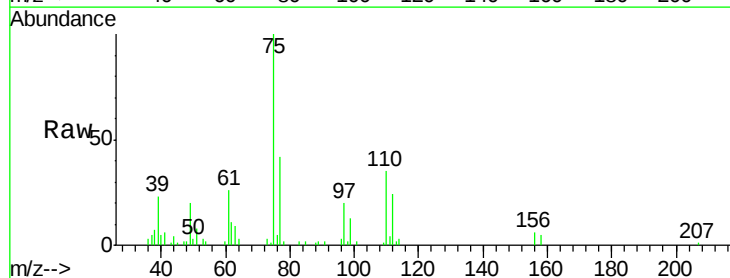
Acq: 15 Jan 2019 9:42

Tgt Ion: 75 Resp: 36875

Ion Ratio Lower Upper

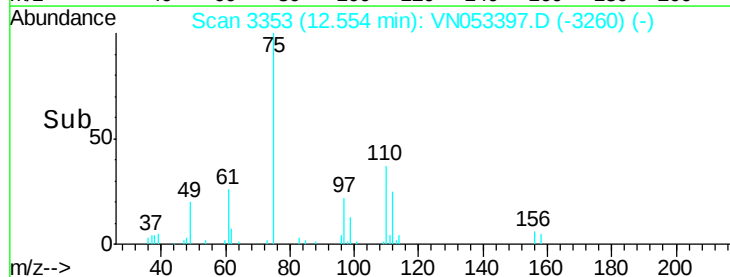
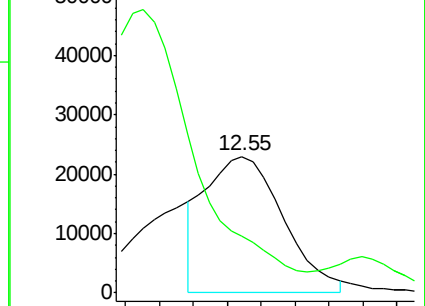
75 100

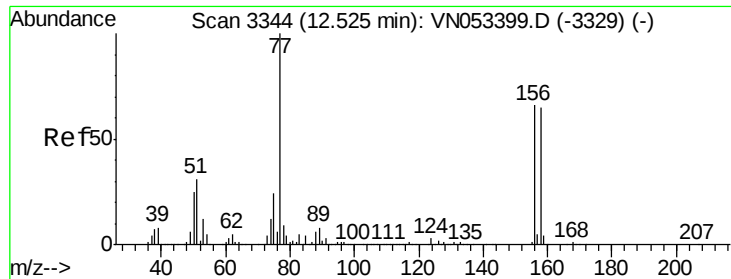
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 5.050 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

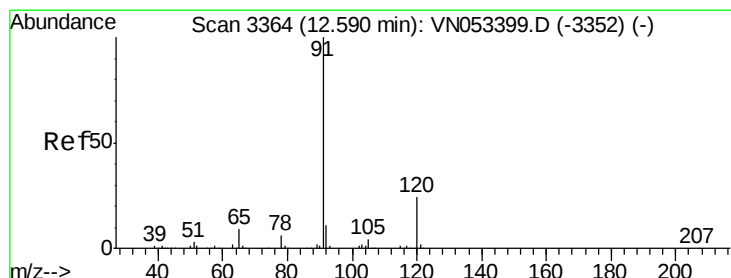
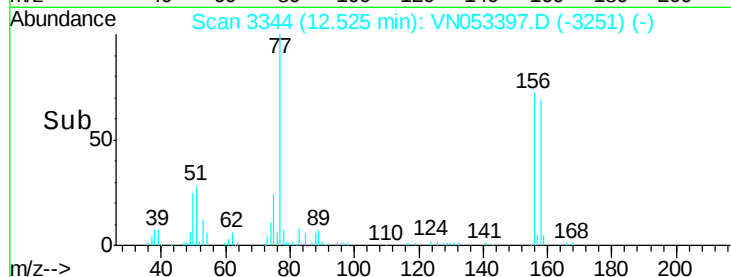
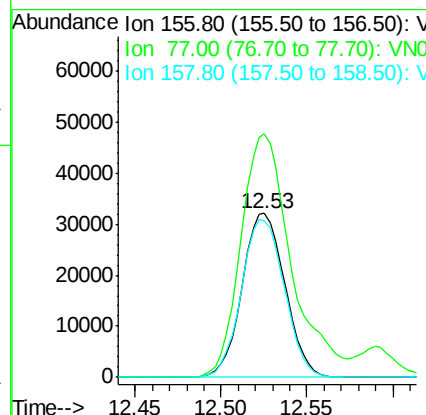
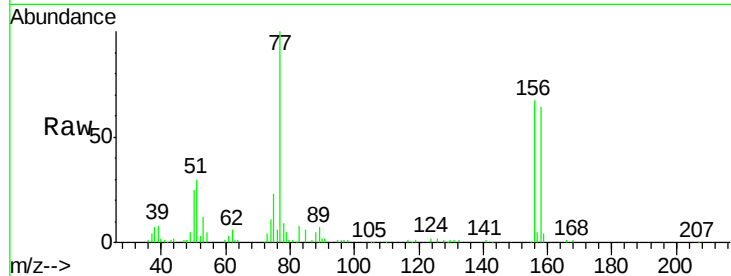
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.1	89.3	268.1	
158	96.6	48.9	146.8	

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#78

n-propylbenzene

Concen: 4.838 ug/l

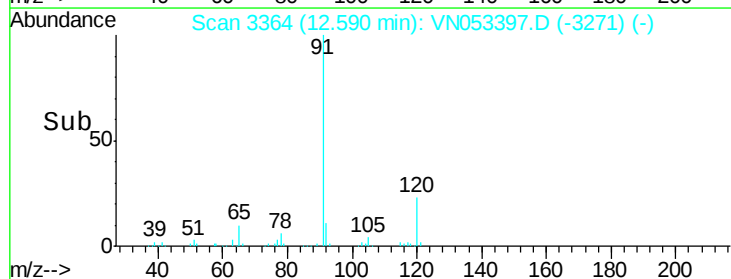
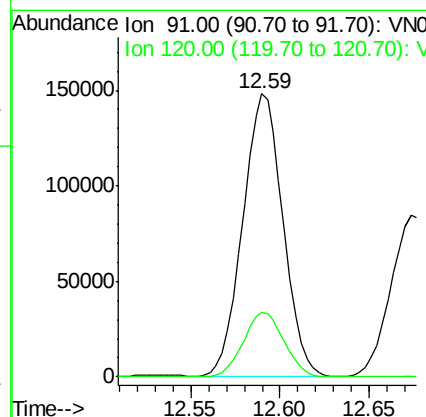
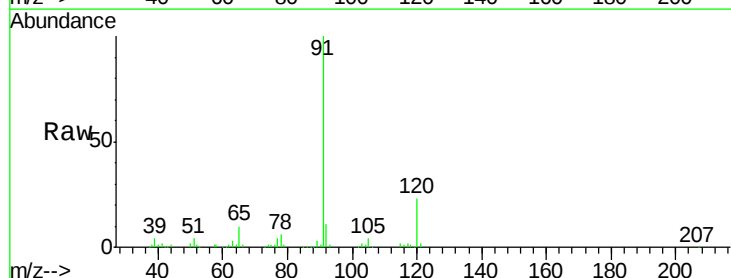
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	11.5	34.5	





#79

2-Chlorotoluene

Concen: 4.972 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053397.D

Acq: 15 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 141609

Ion Ratio Lower Upper

91 100

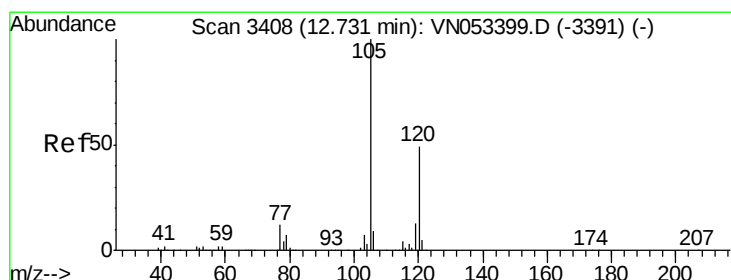
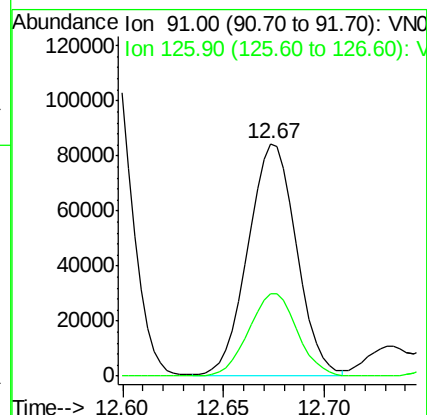
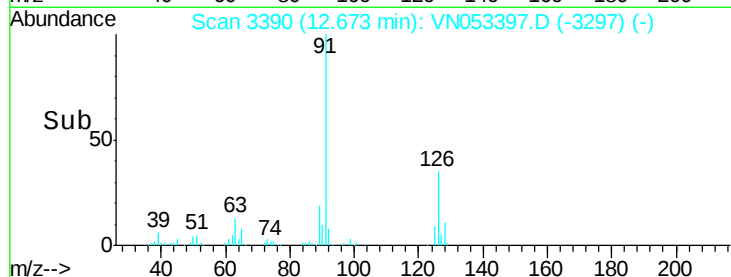
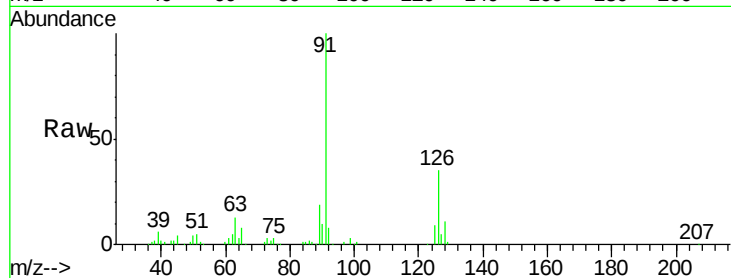
126 35.7 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.971 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053397.D

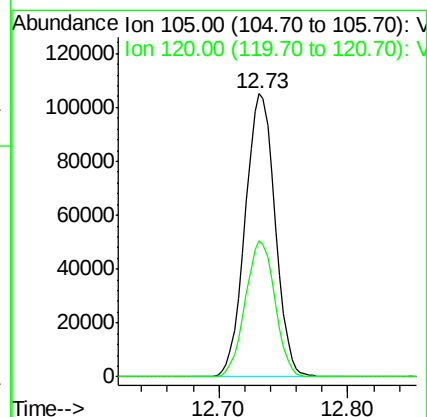
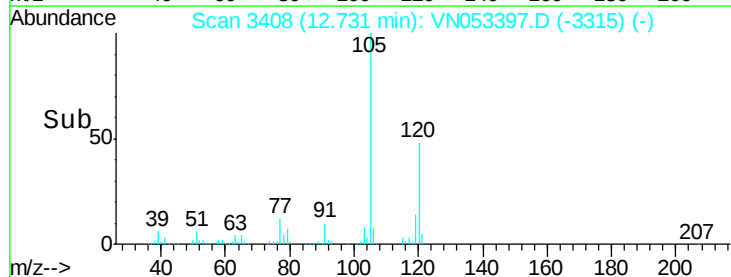
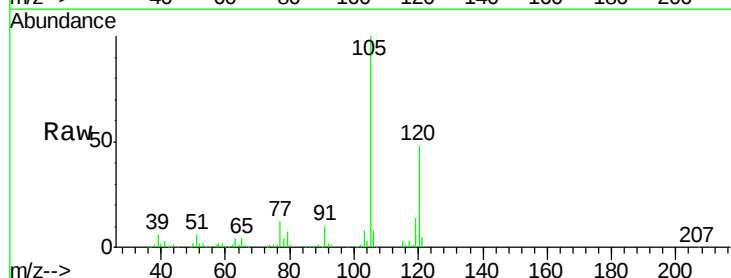
Acq: 15 Jan 2019 9:42

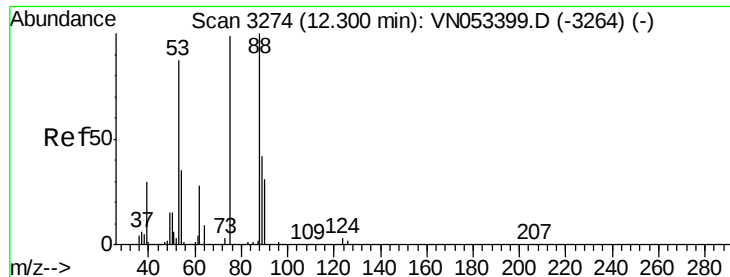
Tgt Ion: 105 Resp: 169334

Ion Ratio Lower Upper

105 100

120 47.7 24.7 74.1





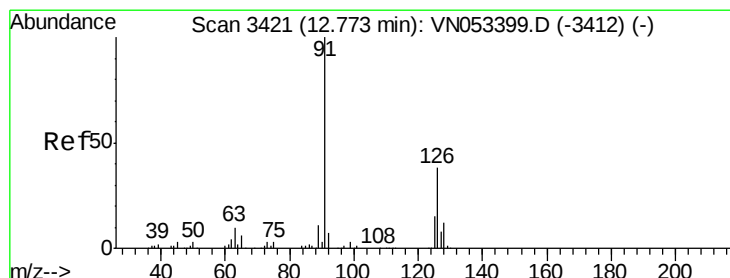
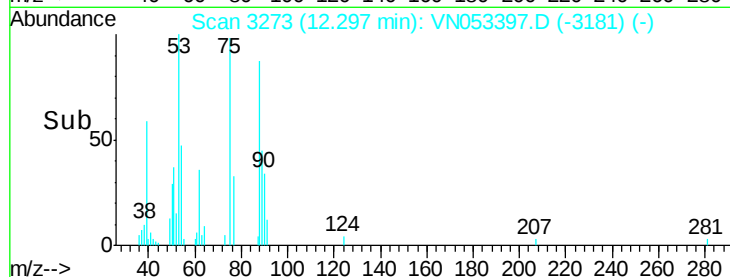
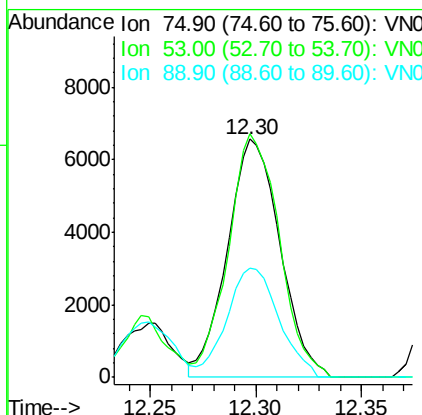
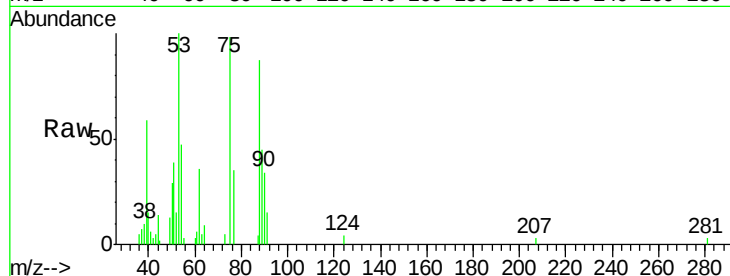
#81
trans-1,4-Dichloro-2-butene
Concen: 6.163 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	70.5	105.7
89	45.1	35.4	53.0

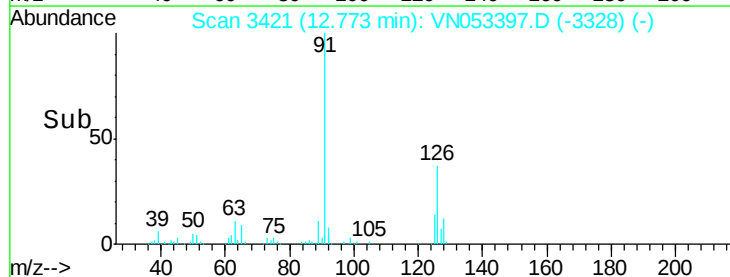
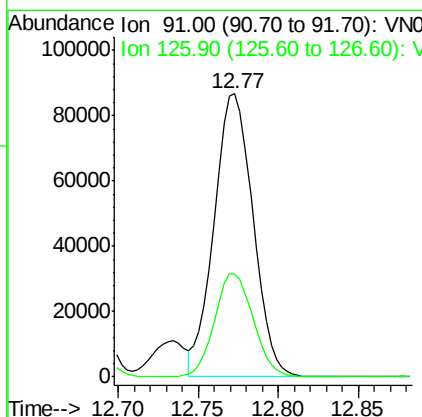
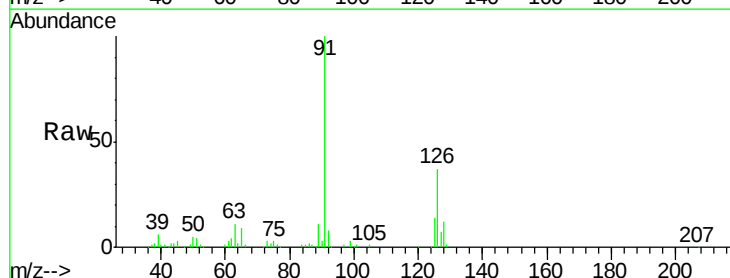
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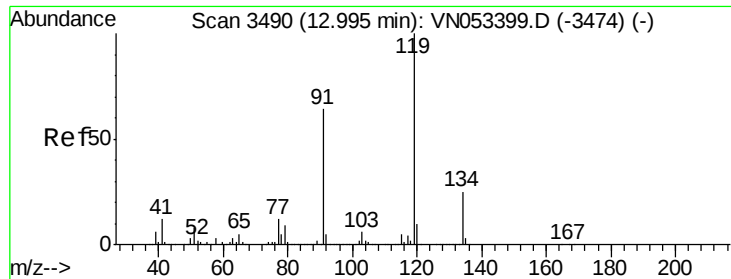
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.990 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.4	52.2





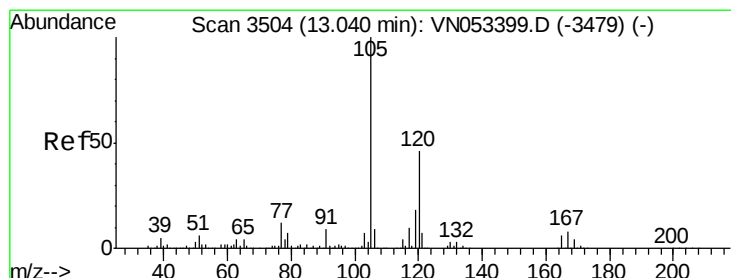
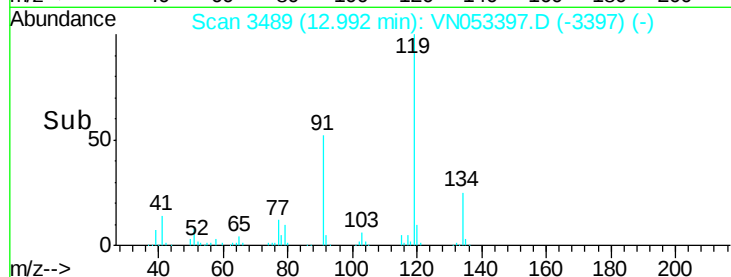
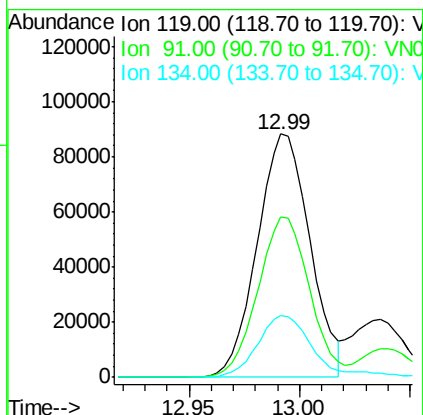
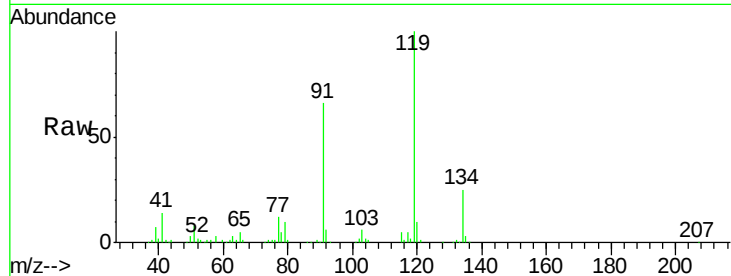
#83
 tert-Butylbenzene
 Concen: 4.869 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.6	95.0
134	25.1	12.9	38.6

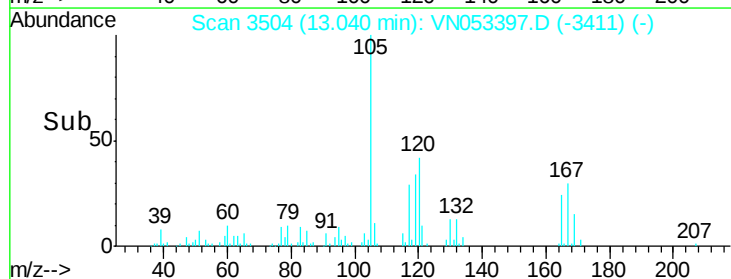
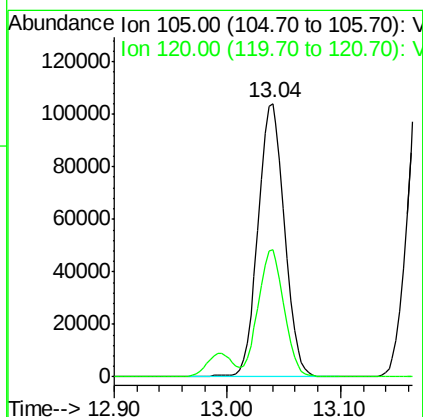
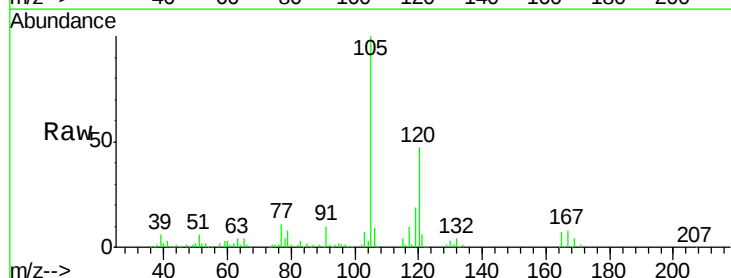
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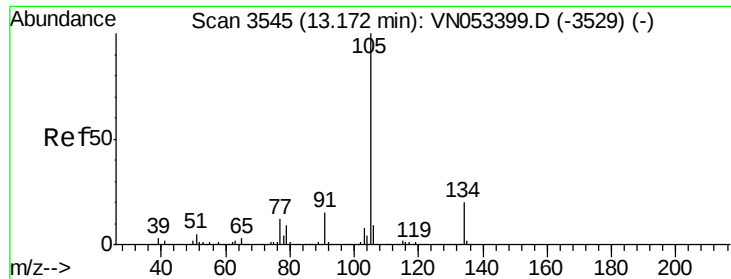
MMDadoda
 1/16/2019 9:50:39 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.940 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.0	69.0





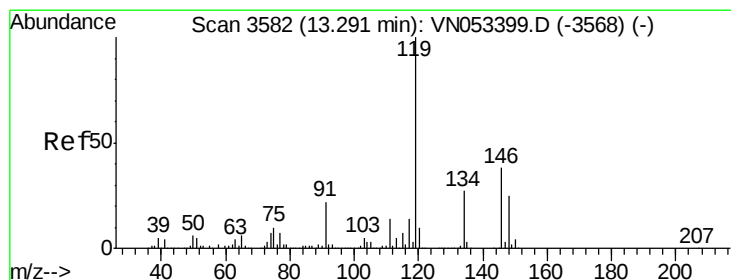
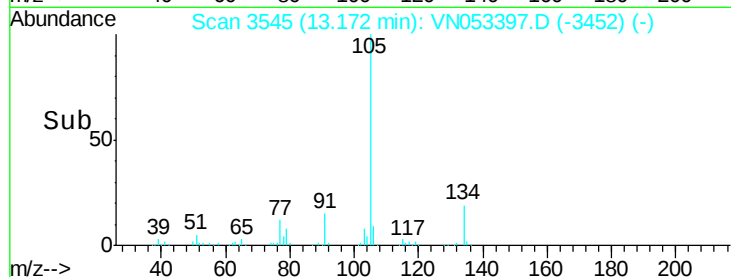
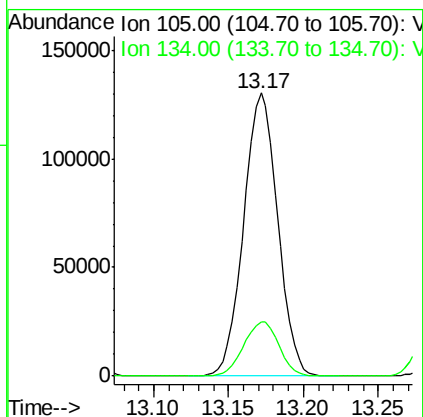
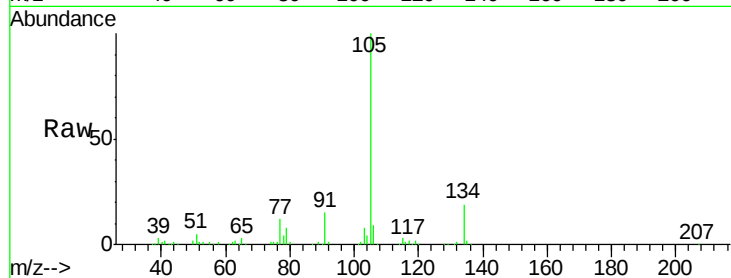
#85
 sec-Butylbenzene
 Concen: 5.003 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.6

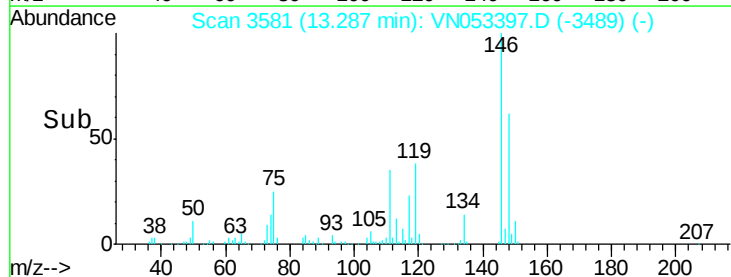
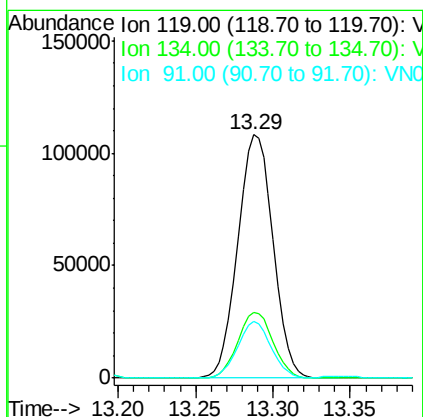
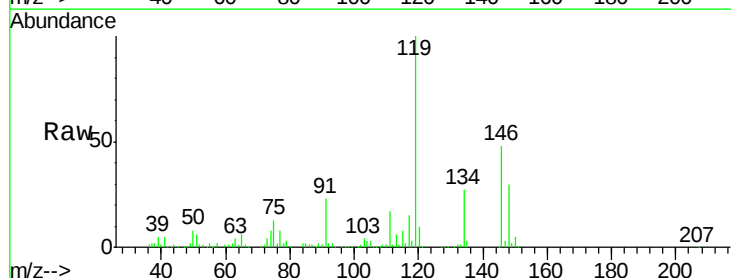
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 4.788 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	22.2	11.1	33.1





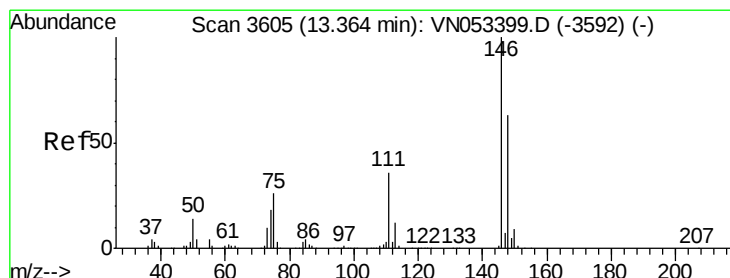
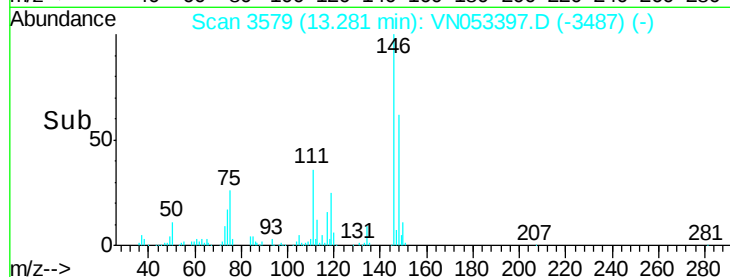
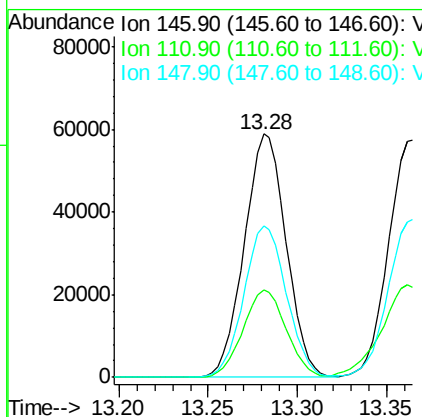
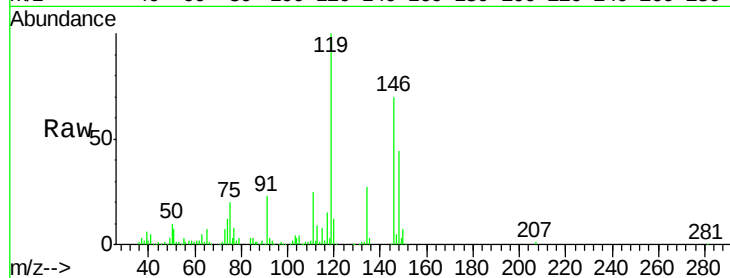
#87
 1,3-Dichlorobenzene
 Concen: 4.975 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	63.3	32.0	96.2

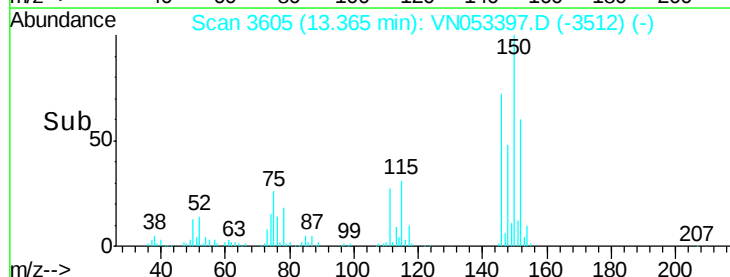
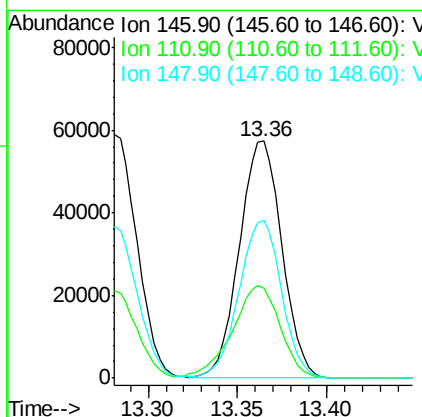
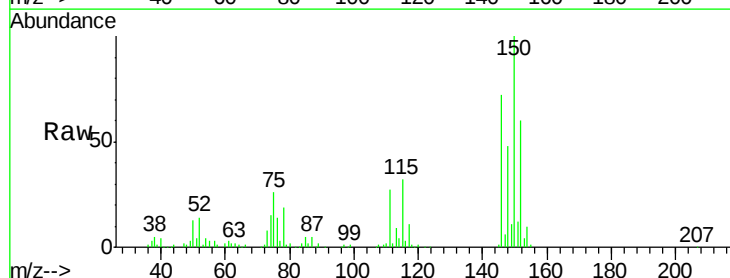
Manual Integrations
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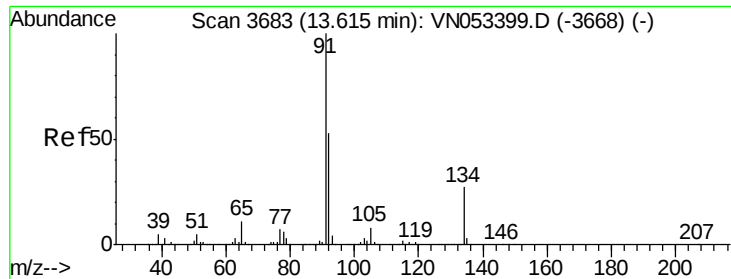
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 4.905 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	18.6	55.8
148	66.5	32.0	96.0





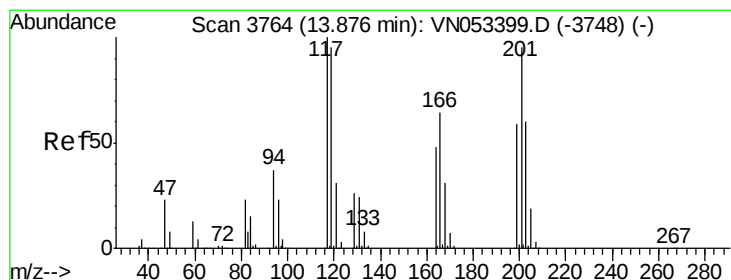
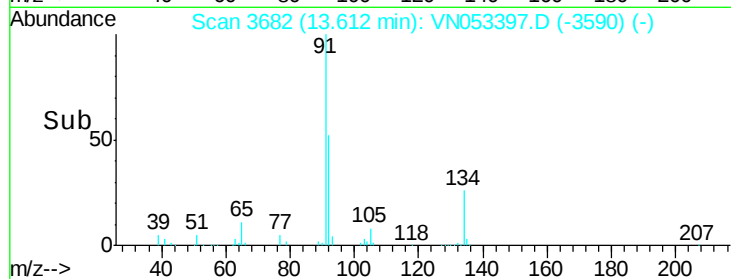
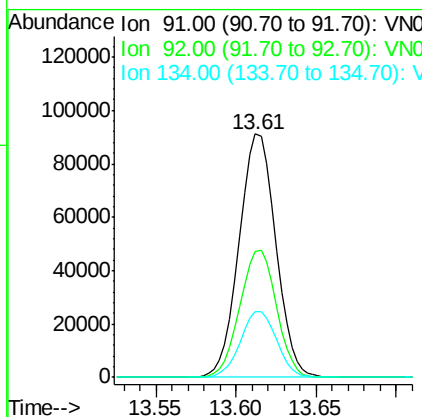
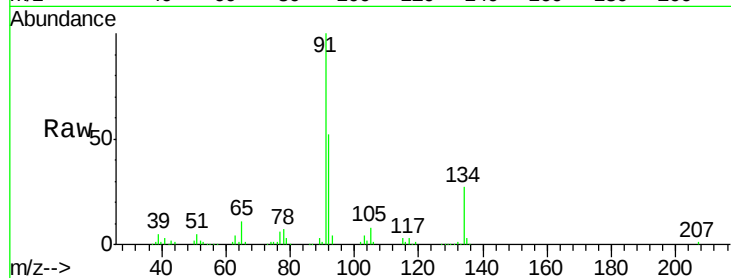
#89
n-Butylbenzene
Concen: 4.655 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.8	13.5	40.5

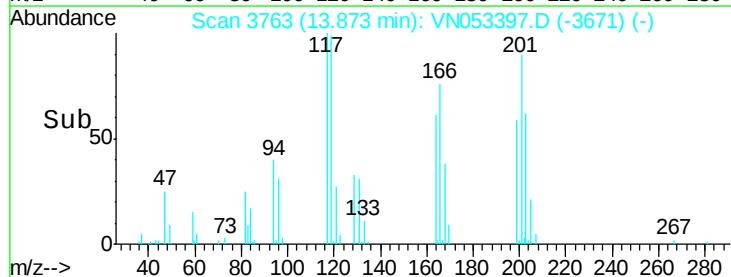
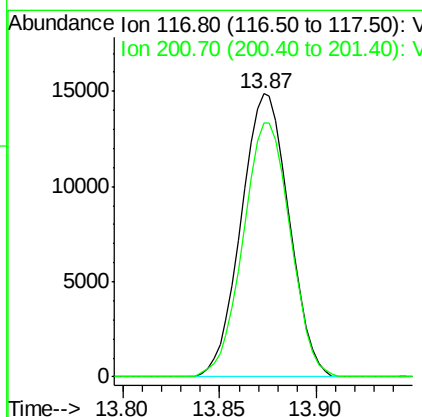
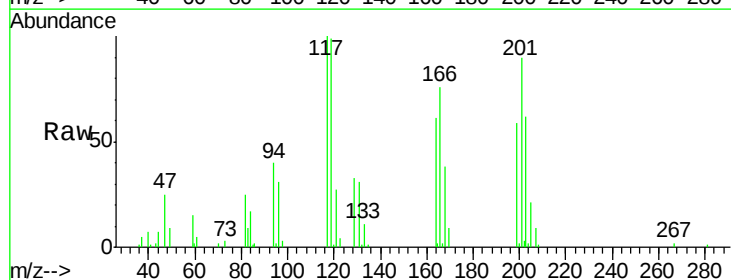
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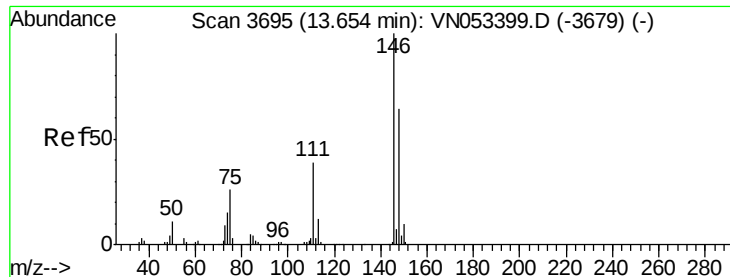
MMDadoda
1/16/2019 9:50:39 AM



#90
Hexachloroethane
Concen: 4.569 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	46.1	138.3





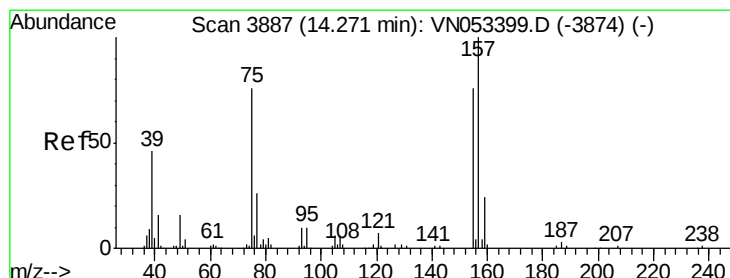
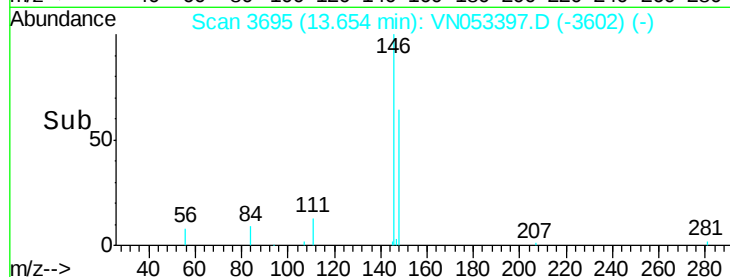
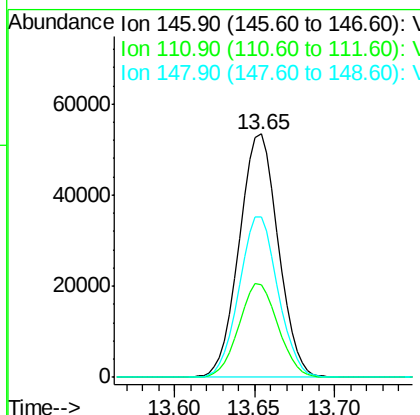
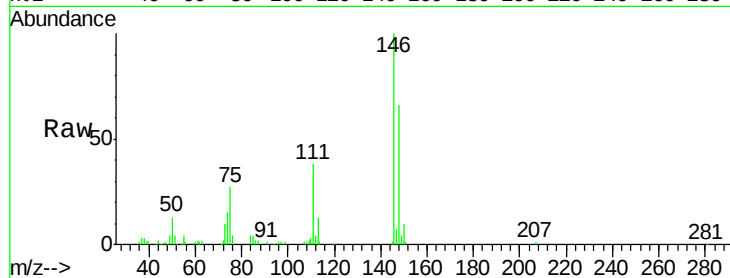
#91
 1,2-Dichlorobenzene
 Concen: 4.970 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	65.5	32.2	96.6

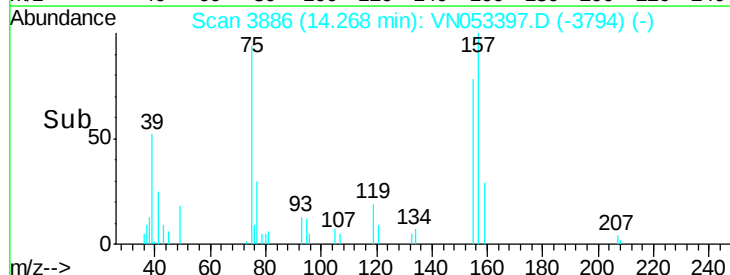
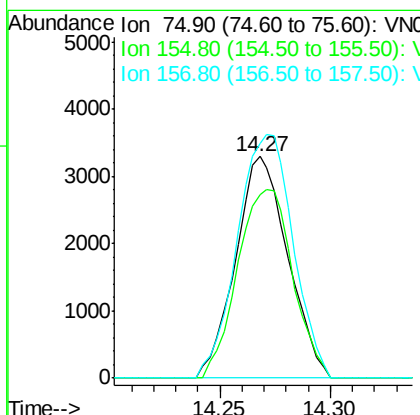
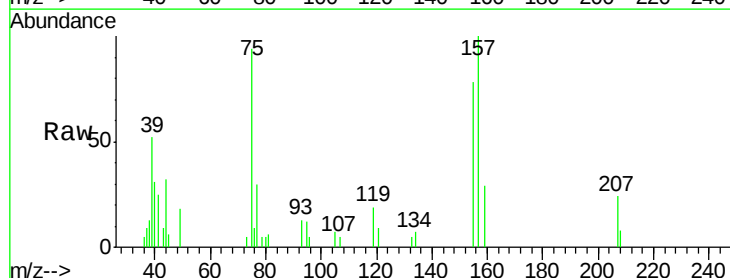
Manual Integrations
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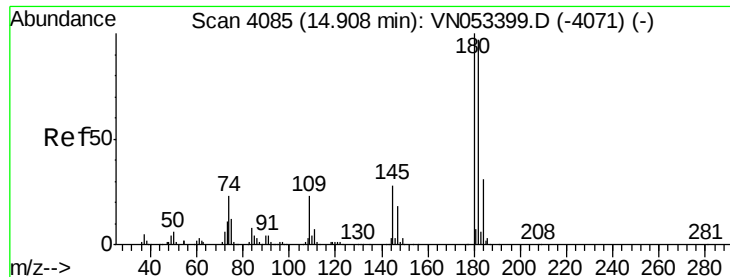
MMDadoda
 1/16/2019 9:50:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.871 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	48.1	144.3
157	117.4	61.5	184.4





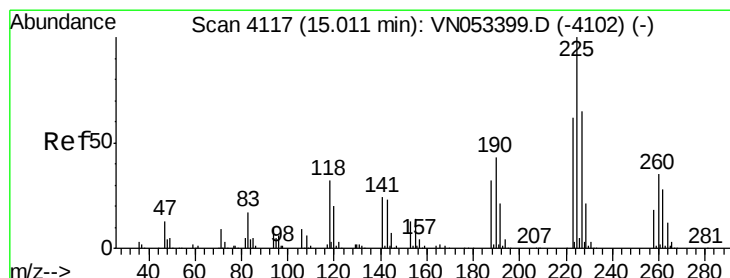
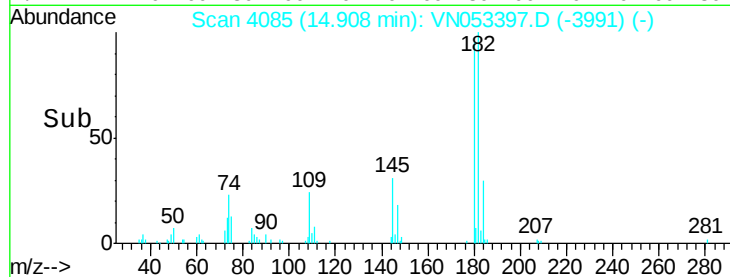
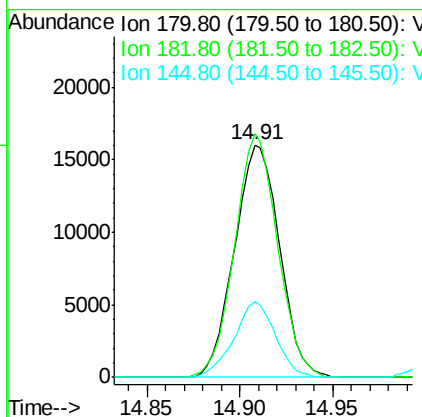
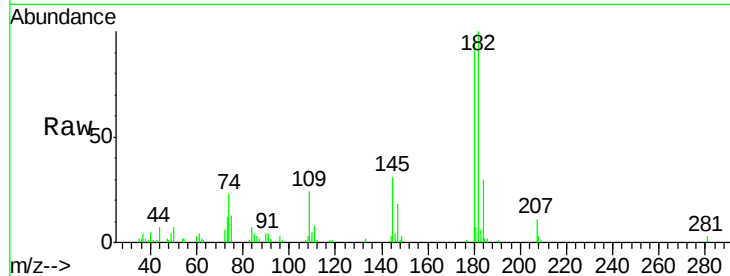
#93
 1,2,4-Trichlorobenzene
 Concen: 6.011 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.5	47.8	143.4	
145	30.1	14.4	43.0	

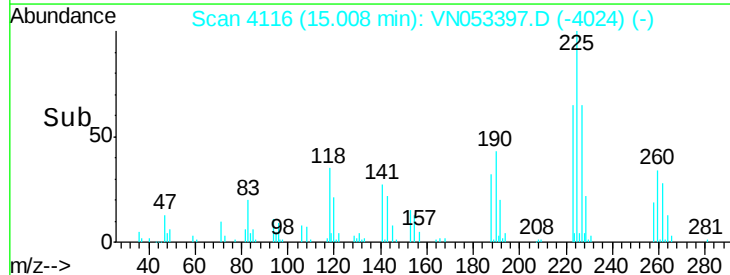
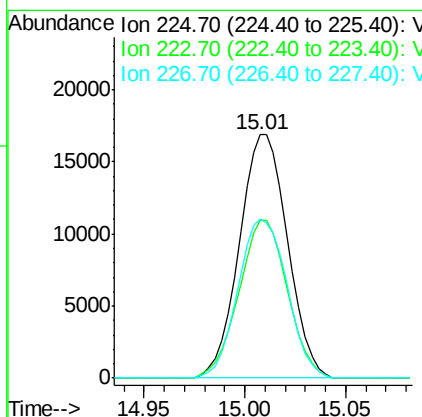
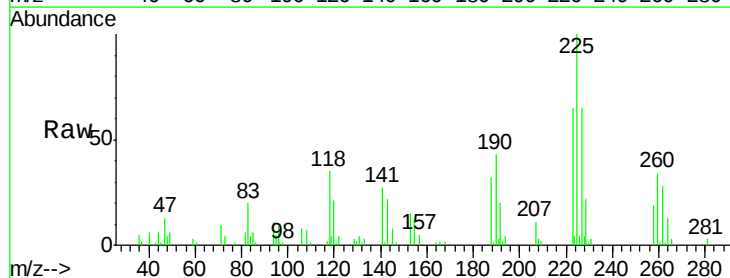
Manual Integrations
 APPROVED

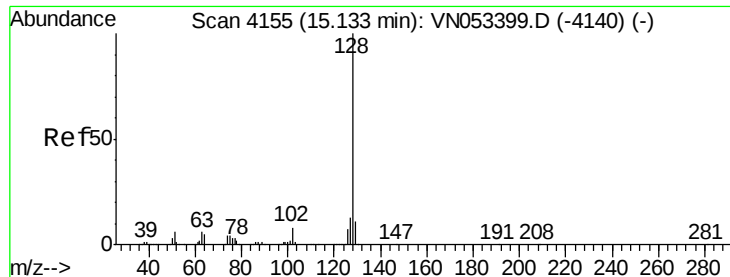
MMDadoda
 1/16/2019 9:50:39 AM



#94
 Hexachlorobutadiene
 Concen: 5.061 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053397.D
 Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.3	30.9	92.8	
227	66.7	31.4	94.2	





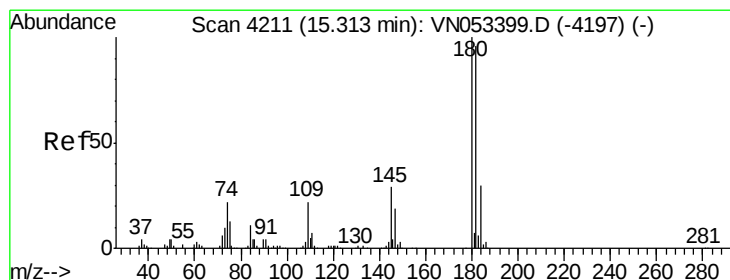
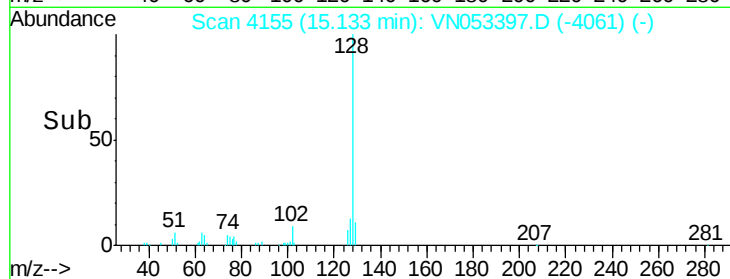
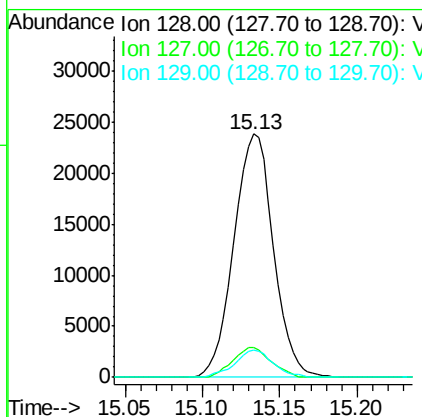
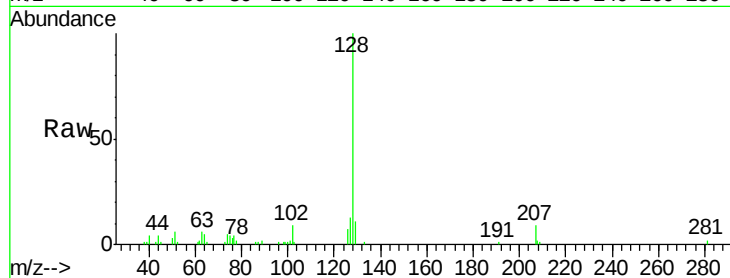
#95
Naphthalene
Concen: 6.765 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:50:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 7.019 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053397.D
Acq: 15 Jan 2019 9:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.4	145.0
145	28.6	14.9	44.5

