

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051232.D
 Acq On : 15 Sep 2018 19:11
 Operator : MD\SY
 Sample : PB112879ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:17:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	417473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	663128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	164910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	232920	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	248434	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.09	98	849313	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
62) 4-Bromofluorobenzene	12.40	95	224449	35.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.78%	

Target Compounds

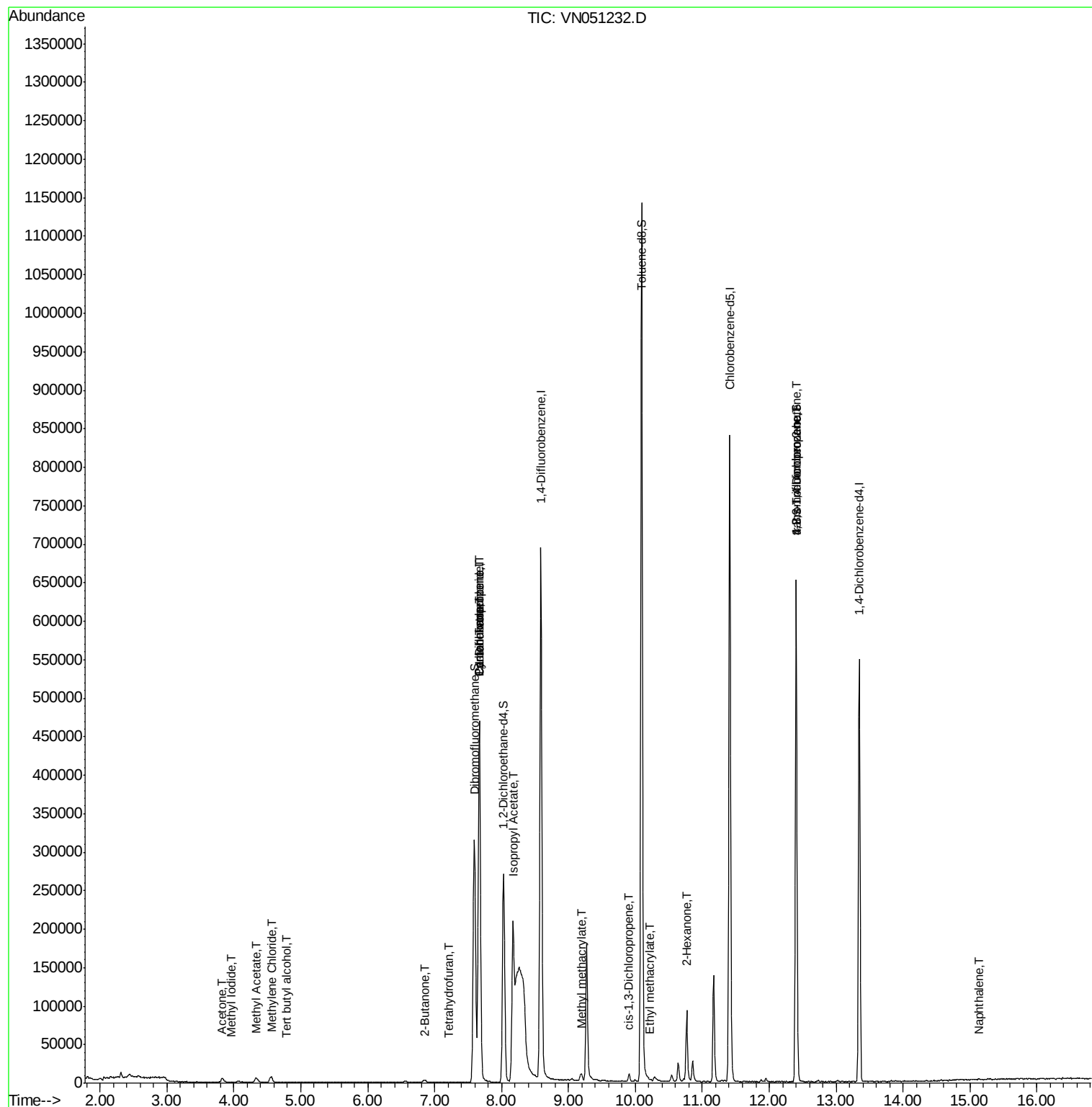
						Qvalue
3) Chloromethane	2.06	50	1857	Below Cal		94
5) Bromomethane	2.57	94	1953	Below Cal		82
10) Methyl Iodide	3.96	142	126	5.66 ug/l	#	44
11) Tert butyl alcohol	4.78	59	142	0.40 ug/l	#	73
16) Acetone	3.82	43	8783	1.85 ug/l		93
18) Methyl Acetate	4.33	43	12908	3.47 ug/l		99
20) Methylene Chloride	4.56	84	6055	1.18 ug/l		88
25) 2-Butanone	6.85	43	5570	3.05 ug/l	#	85
29) Tetrahydrofuran	7.22	42	565	0.50 ug/l	#	31
31) Cyclohexane	7.67	56	6535	0.63 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	27543	3.78 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	35940	5.02 ug/l	#	17
43) Isopropyl Acetate	8.17	43	259822	34.92 ug/l	#	78
48) Methyl methacrylate	9.18	41	5904	1.63 ug/l	#	19
54) cis-1,3-Dichloropropene	9.90	75	1815	0.22 ug/l	#	63
56) Ethyl methacrylate	10.22	69	1509	2.67 ug/l		87
59) 2-Hexanone	10.77	43	12495	4.48 ug/l		61
76) 1,2,3-Trichloropropane	12.40	75	105188	40.87 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	105188	121.14 ug/l	#	15
95) Naphthalene	15.15	128	29	5.35 ug/l	#	69

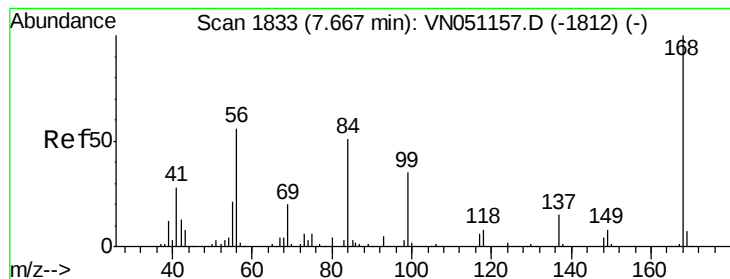
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 11 02:27:09 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051232.D

Acq: 15 Sep 2018 19:11

Instrument :

MSVOA_N

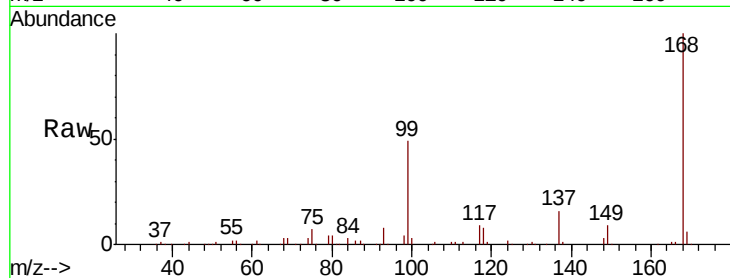
ClientSampled :

Tot Ion:168 Resp: 417473

Ion Ratio Lower Upper

168 100

99 49.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

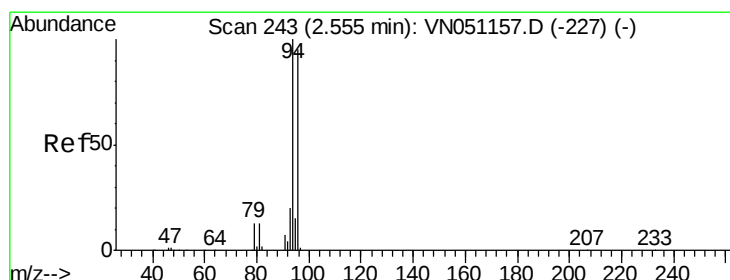
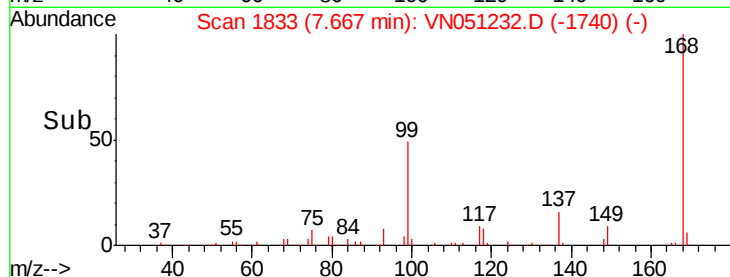
50000

0

7.67

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051232.D

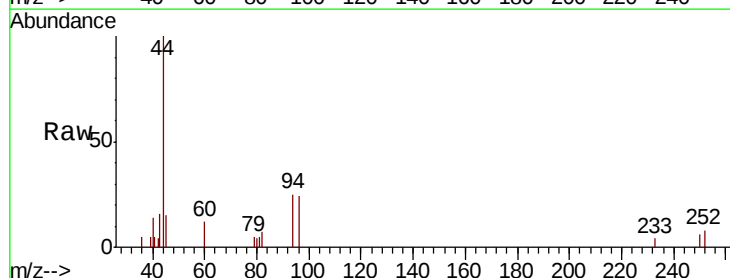
Acq: 15 Sep 2018 19:11

Tgt Ion: 94 Resp: 1953

Ion Ratio Lower Upper

94 100

96 77.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

1000

800

600

400

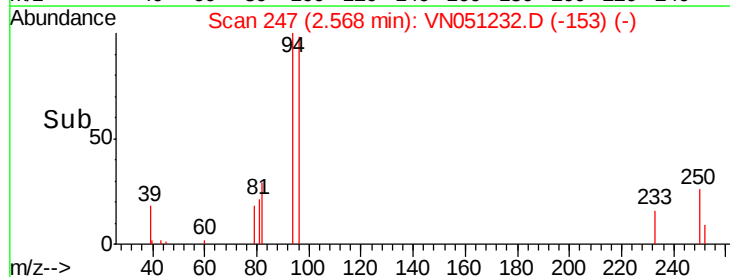
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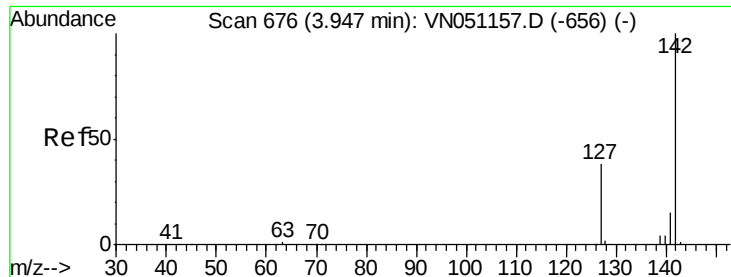
0

2.57

2.55 2.60

Time-->

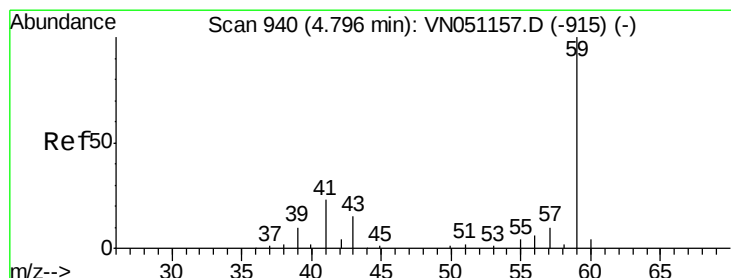
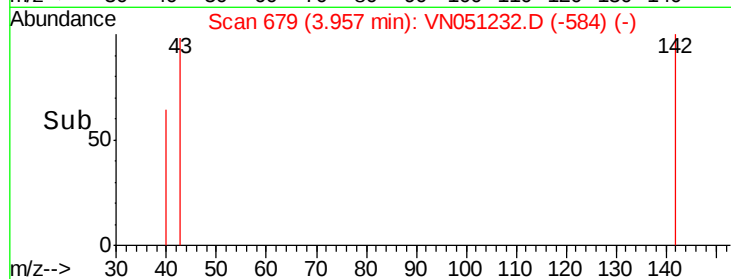
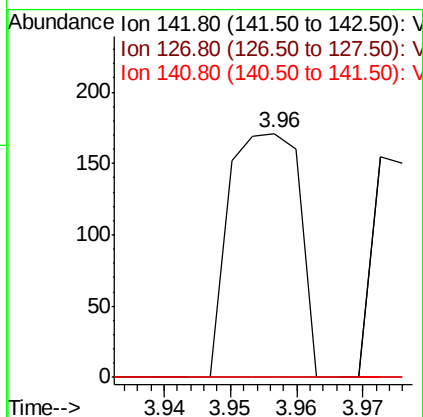
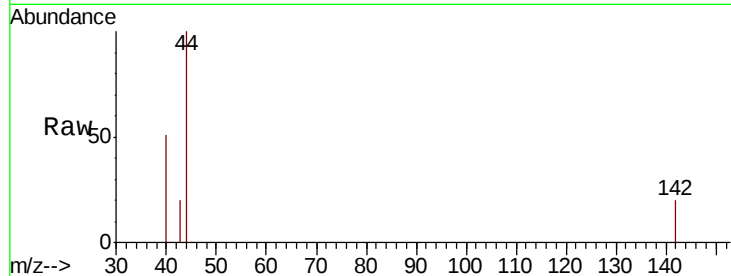




#10
Methyl Iodide
Concen: 5.66 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.01 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

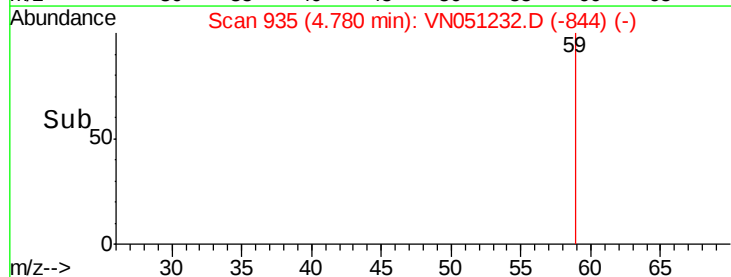
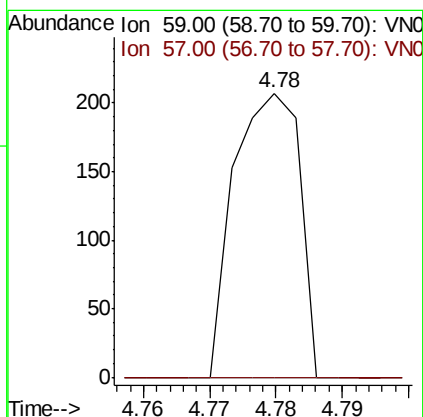
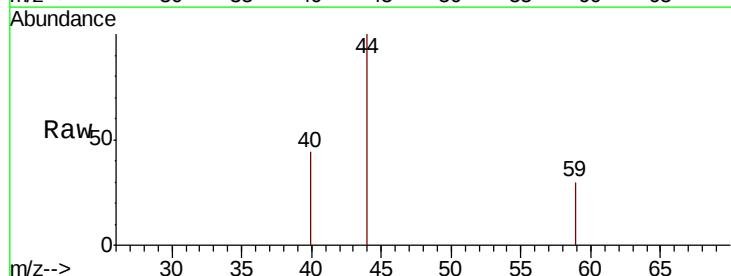
Instrument :
MSVOA_N
ClientSampleId :

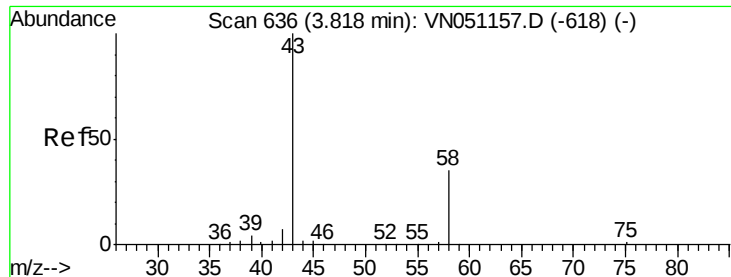
Tot Ion:142 Resp: 126
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

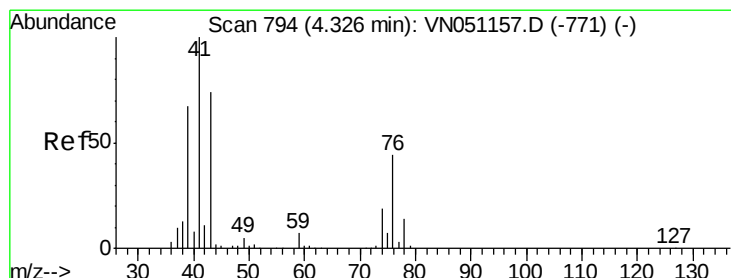
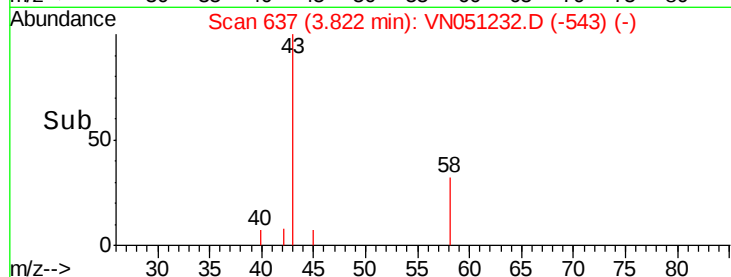
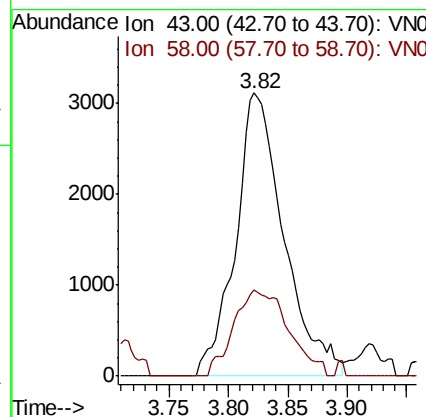
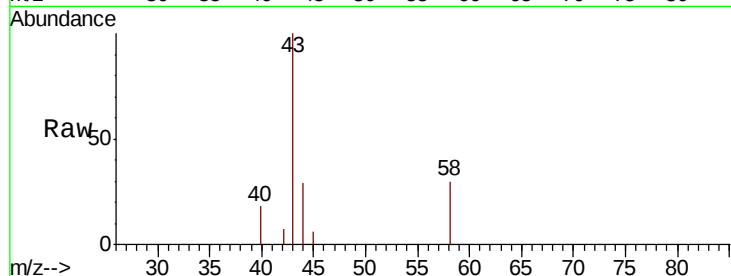




#16
Acetone
Concen: 1.85 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

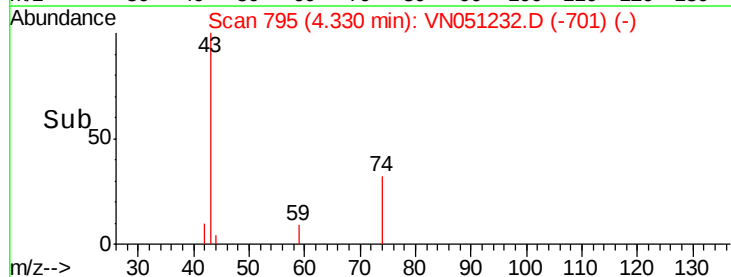
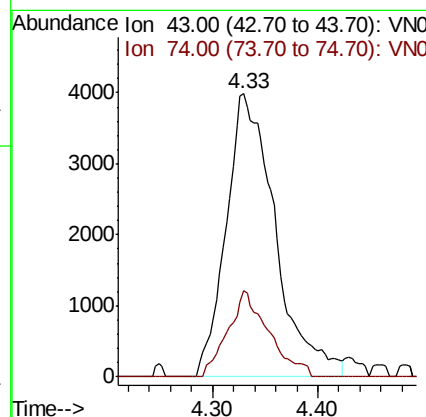
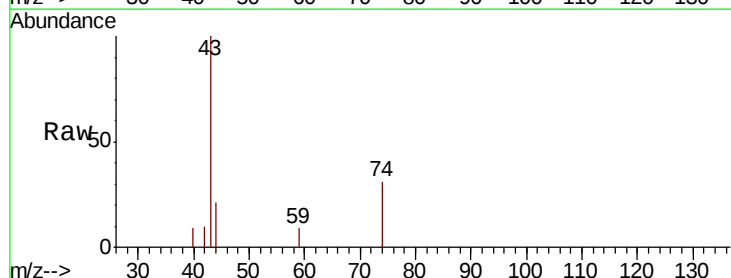
Instrument :
MSVOA_N
ClientSampled :

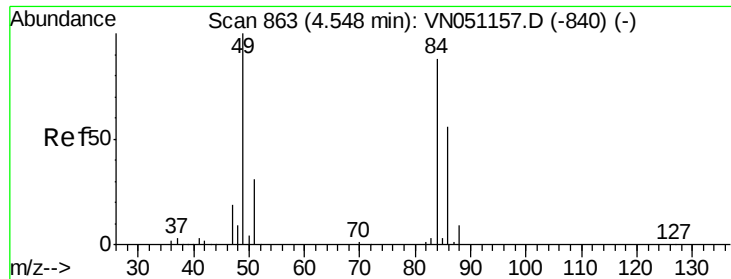
Tot Ion: 43 Resp: 8783
Ion Ratio Lower Upper
43 100
58 30.4 27.8 41.6



#18
Methyl Acetate
Concen: 3.47 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 43 Resp: 12908
Ion Ratio Lower Upper
43 100
74 25.2 20.7 31.1

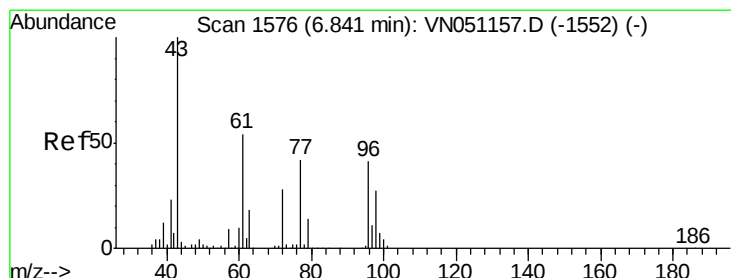
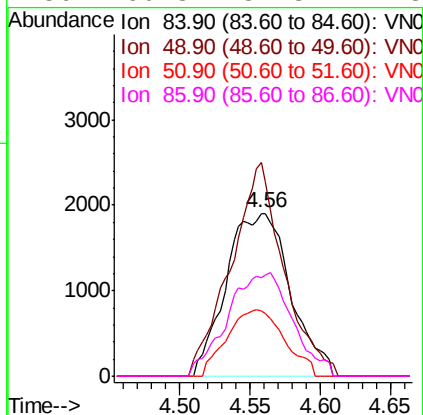
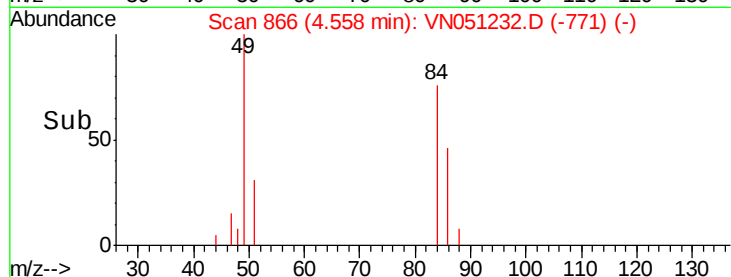
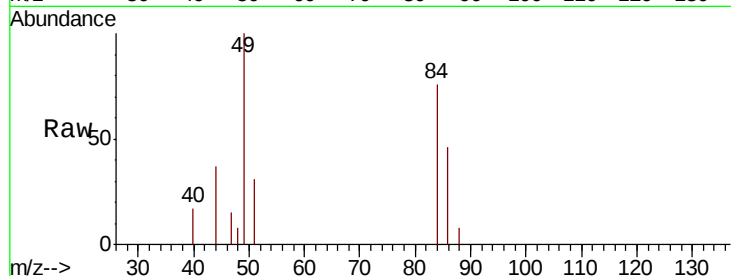




#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

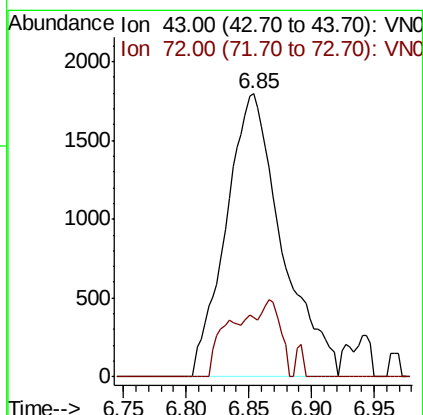
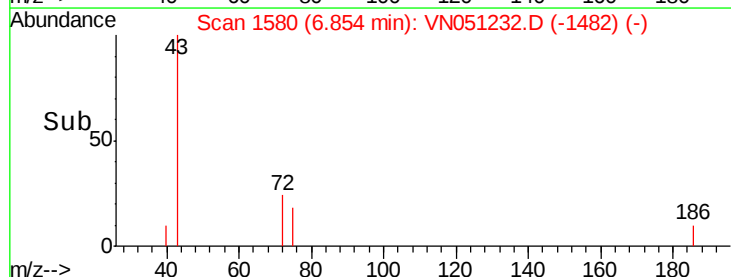
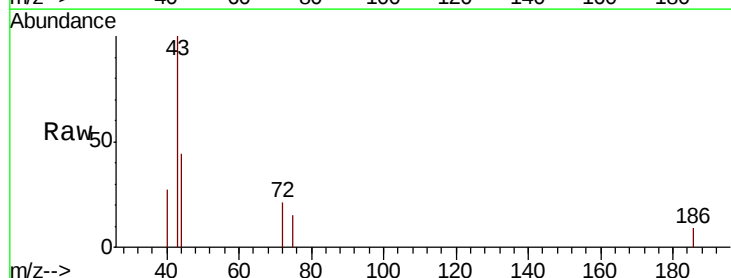
Instrument :
MSVOA_N
ClientSampled :

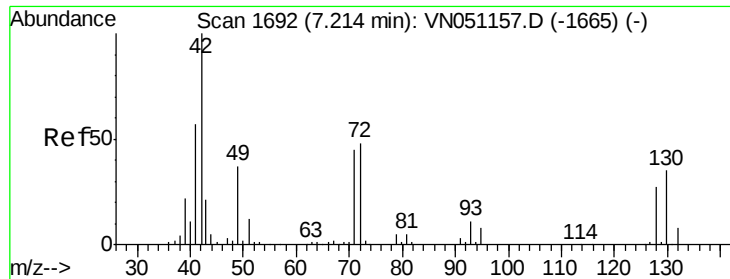
Tot Ion: 84 Resp: 6055
Ion Ratio Lower Upper
84 100
49 131.0 90.2 135.2
51 40.2 28.4 42.6
86 60.3 51.8 77.8



#25
2-Butanone
Concen: 3.05 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 43 Resp: 5570
Ion Ratio Lower Upper
43 100
72 20.8 23.0 34.6#

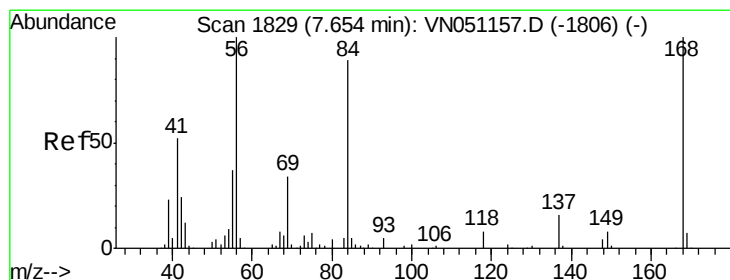
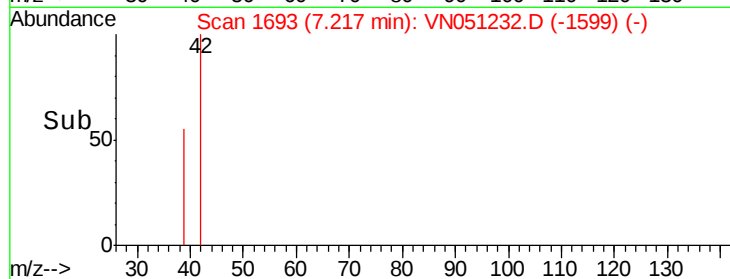
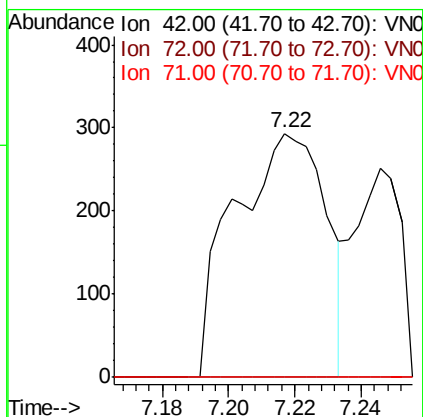
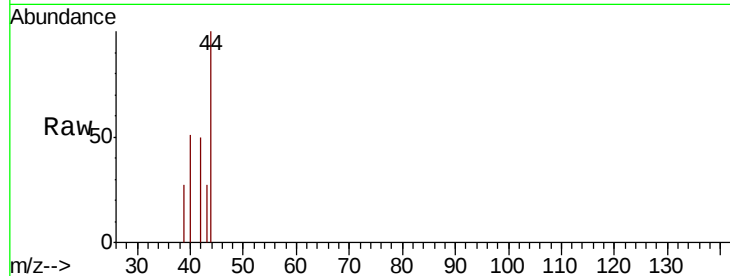




#29
Tetrahydrofuran
Concen: 0.50 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

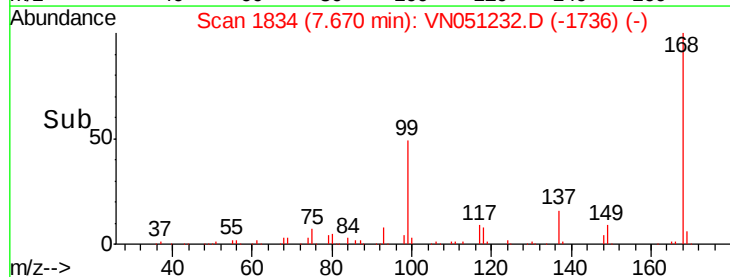
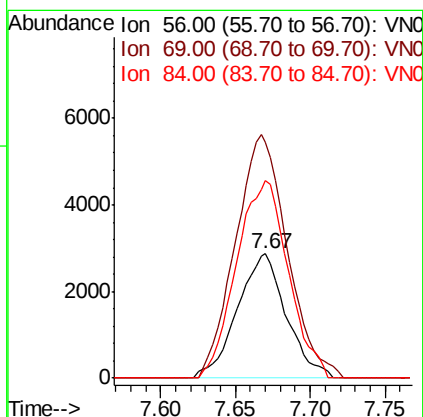
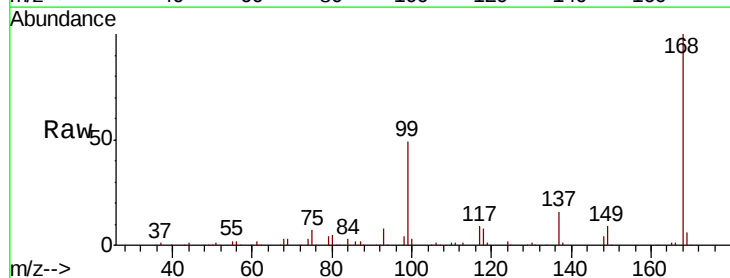
Instrument :
MSVOA_N
ClientSampled :

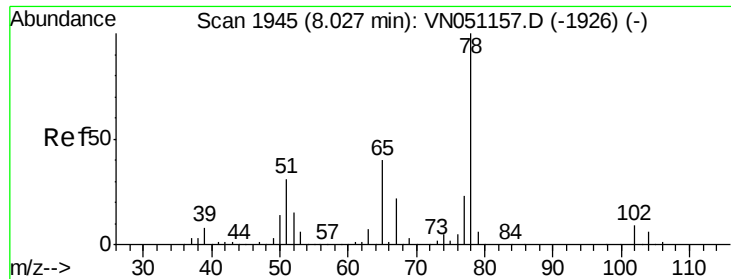
Tot Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 0.0 34.7 52.1#



#31
Cyclohexane
Concen: 0.63 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 56 Resp: 6535
Ion Ratio Lower Upper
56 100
69 190.7 26.3 39.5#
84 159.5 69.4 104.0#

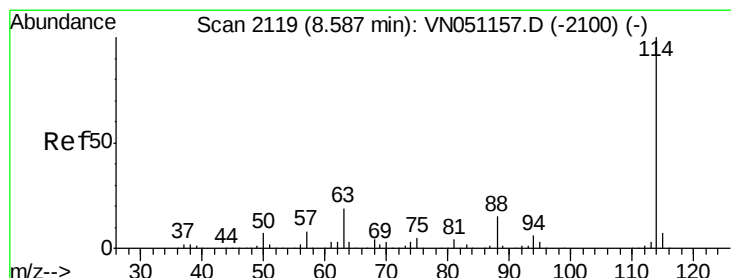
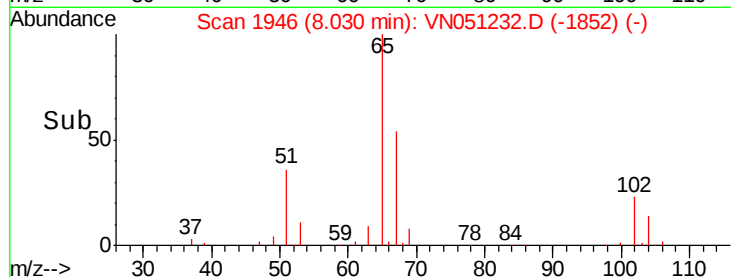
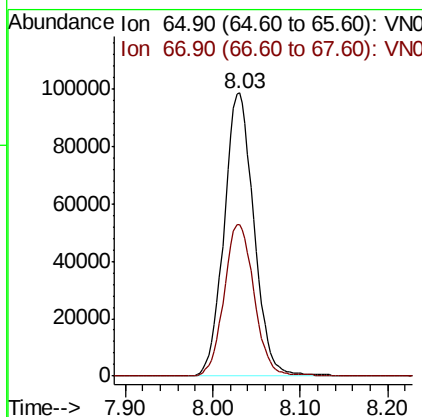
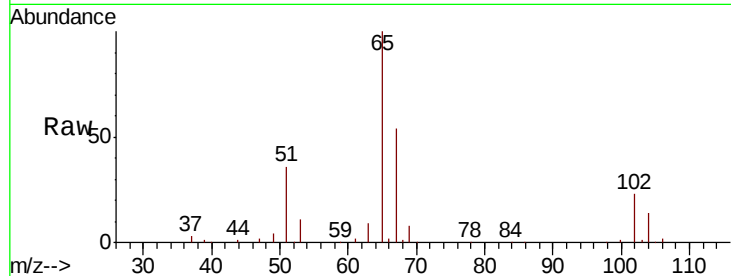




#33
 1,2-Dichloroethane-d4
 Concen: 50.14 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

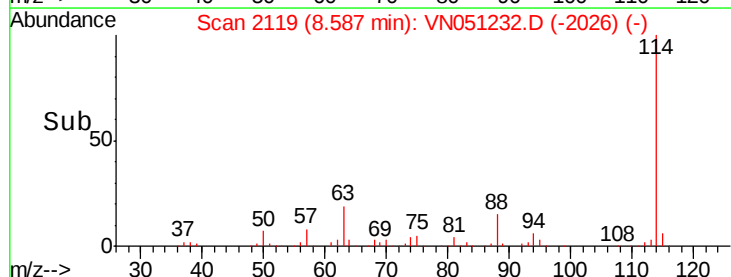
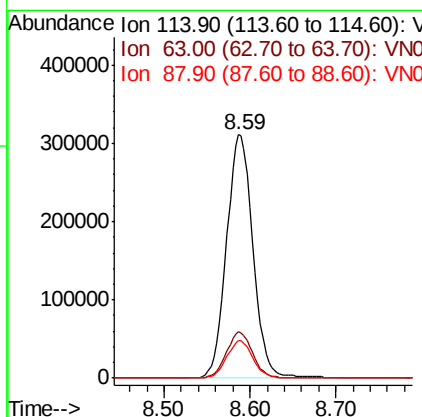
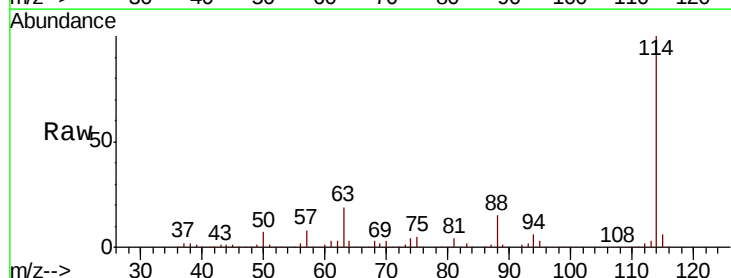
Instrument :
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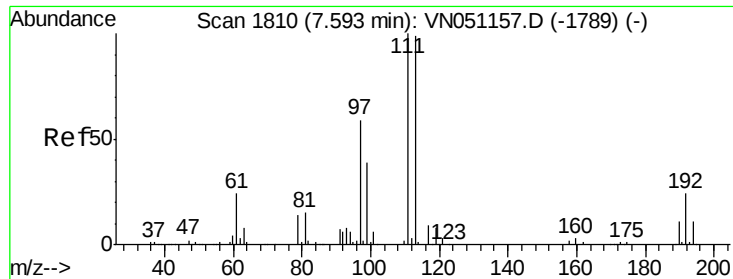
Tot Ion: 65 Resp: 232920
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

Tgt Ion: 114 Resp: 663128
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.3 0.0 30.8

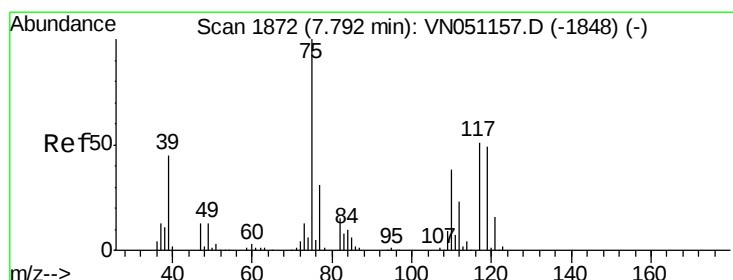
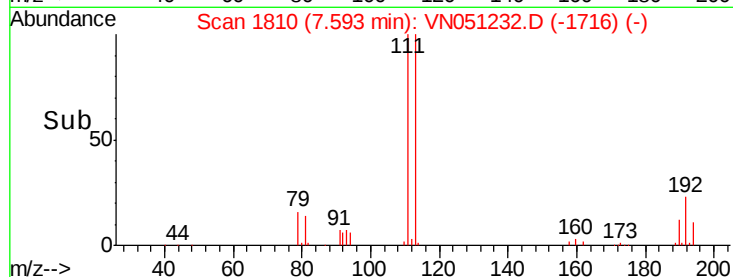
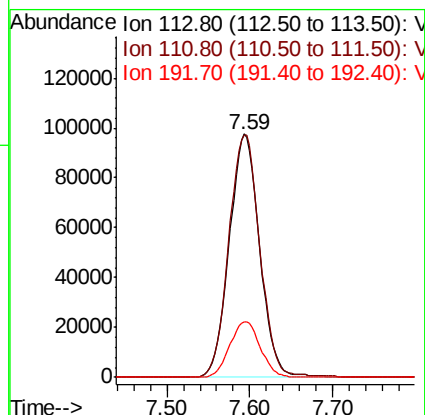
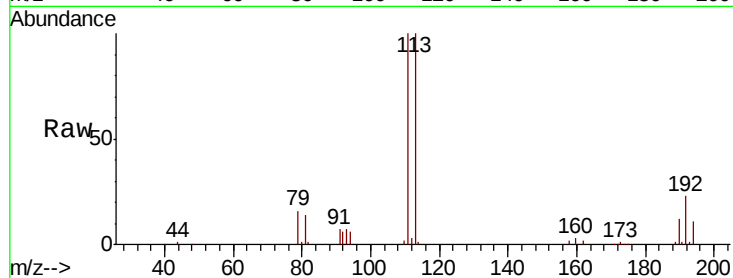




#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

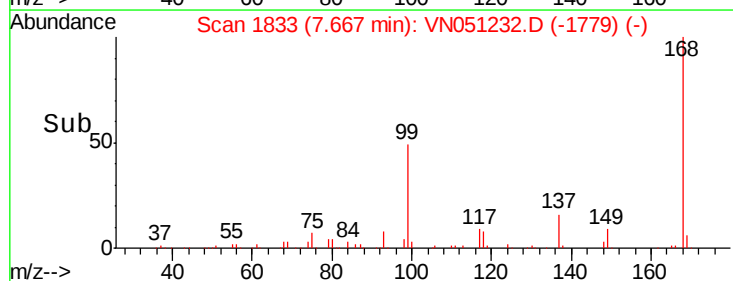
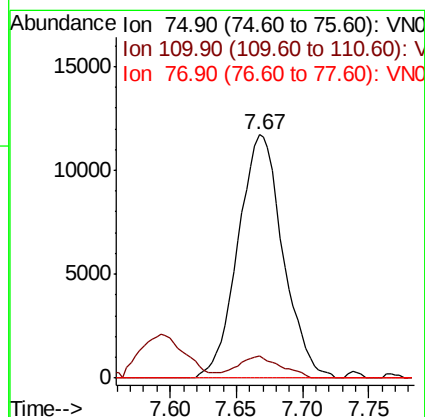
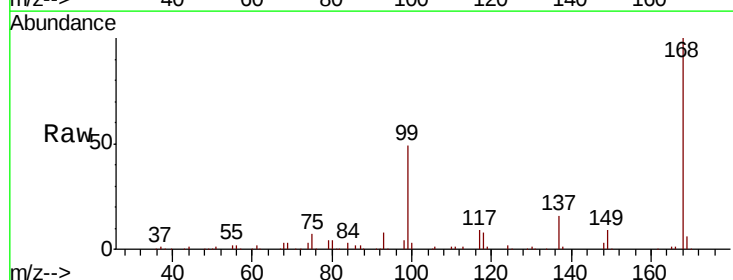
Instrument :
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 ClientSampleId :

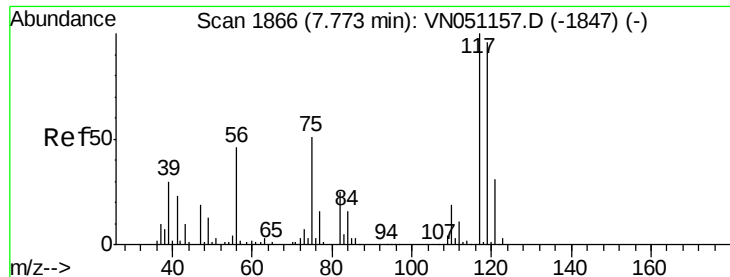
Tot Ion:113 Resp: 248434
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.6
 192 23.1 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

Tgt Ion: 75 Resp: 27543
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.6 55.8#
 77 0.0 25.2 37.8#

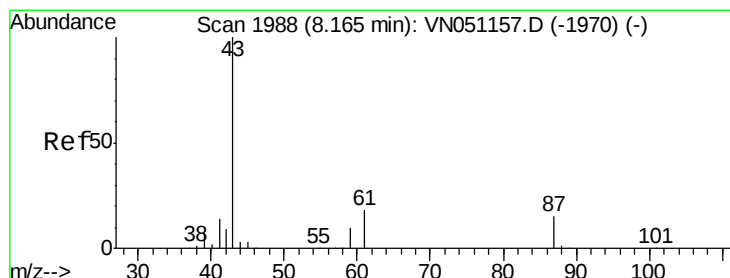
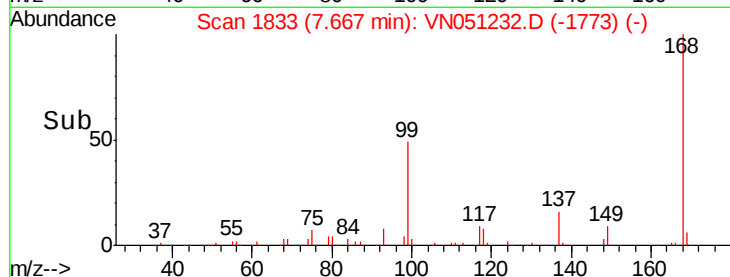
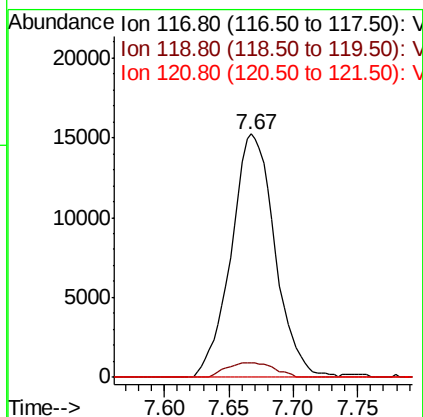
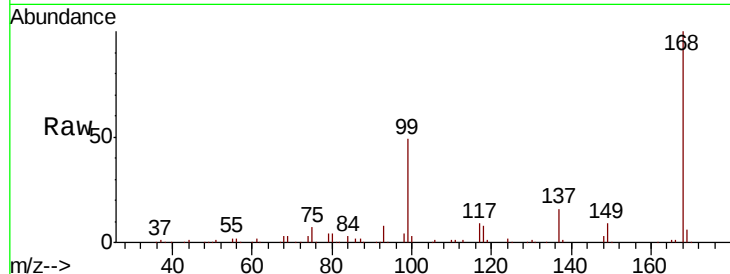




#38
Carbon Tetrachloride
Concen: 5.02 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

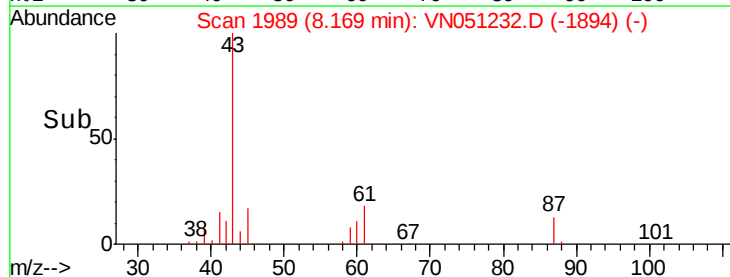
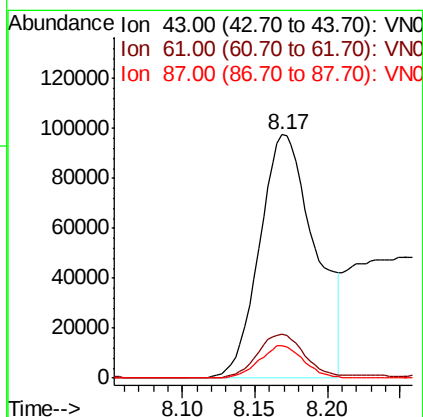
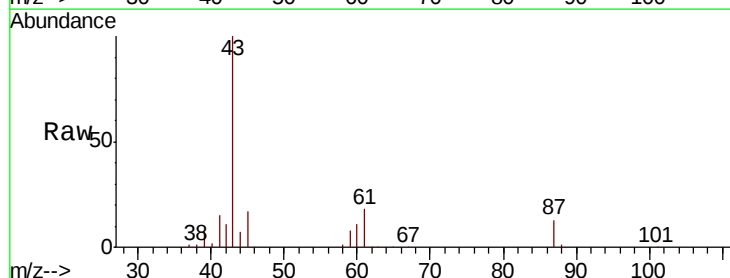
Instrument :
MSVOA_N
ClientSampled :

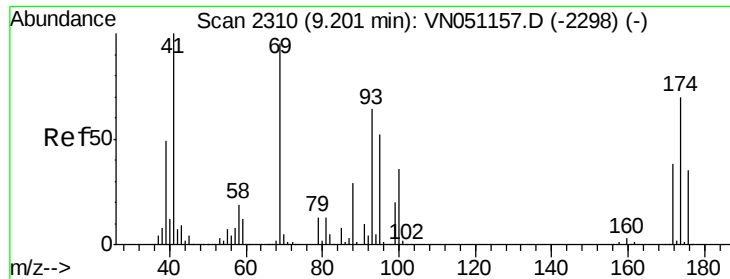
Tot Ion:117 Resp: 35940
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 34.92 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 43 Resp: 259822
Ion Ratio Lower Upper
43 100
61 15.9 25.0 37.6#
87 10.6 11.8 17.8#

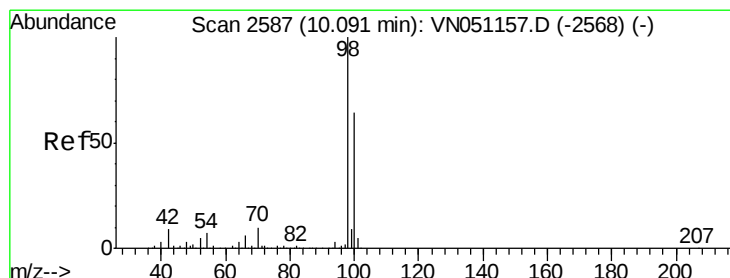
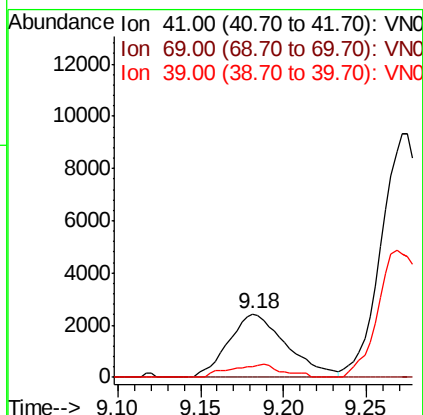
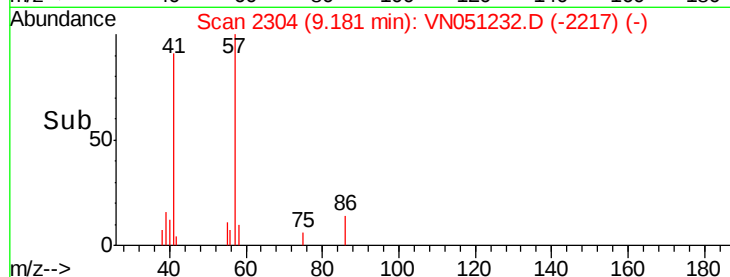
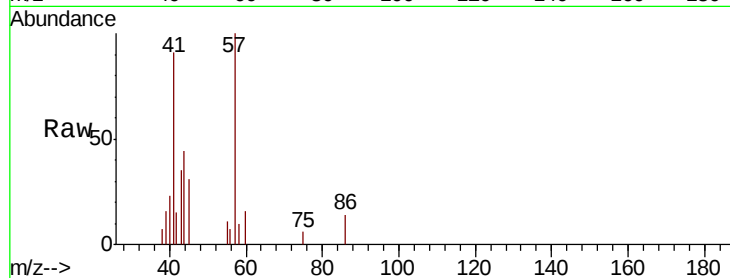




#48
Methyl methacrylate
Concen: 1.63 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

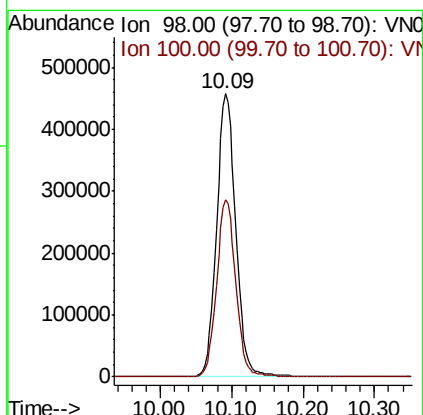
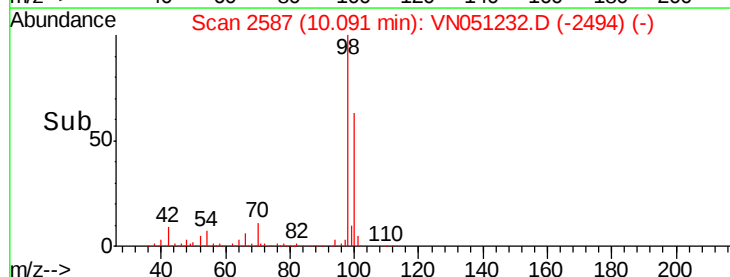
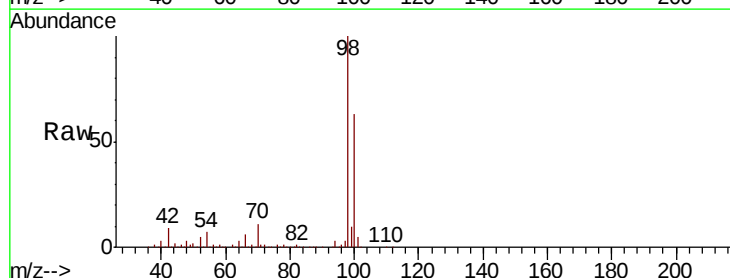
Instrument :
MSVOA_N
ClientSampled :

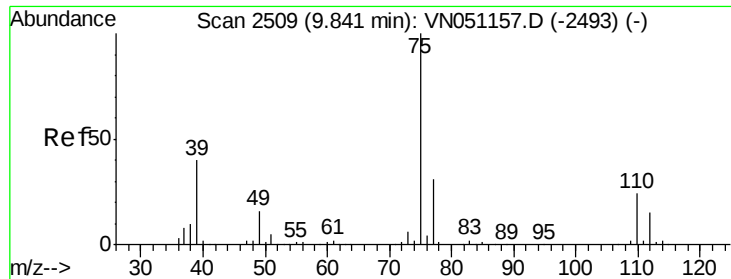
Tot Ion: 41 Resp: 5904
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 18.4 41.6 62.4#



#50
Toluene-d8
Concen: 44.92 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 98 Resp: 849313
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0





#54

cis-1,3-Dichloropropene

Concen: 0.22 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN051232.D

Acq: 15 Sep 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

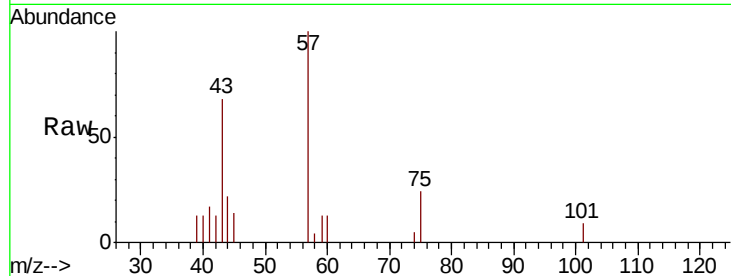
Tot Ion: 75 Resp: 1815

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

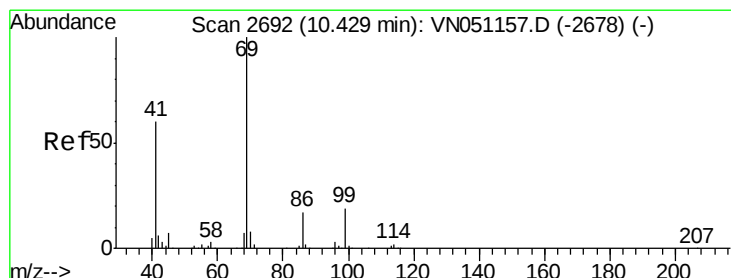
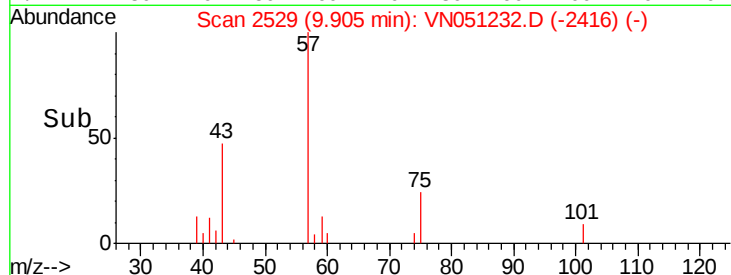
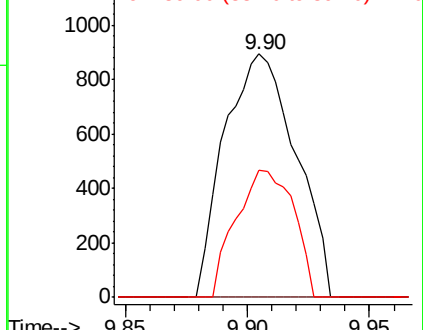
39 52.5 31.9 47.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 2.67 ug/l

RT: 10.22 min Scan# 2628

Delta R.T. -0.21 min

Lab File: VN051232.D

Acq: 15 Sep 2018 19:11

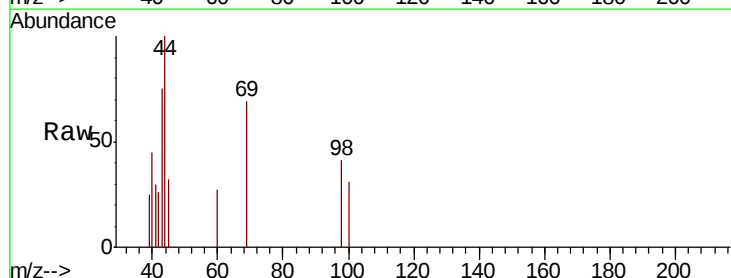
Tgt Ion: 69 Resp: 1509

Ion Ratio Lower Upper

69 100

41 47.9 47.8 71.8

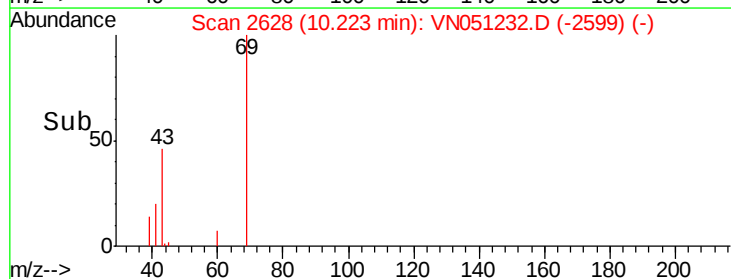
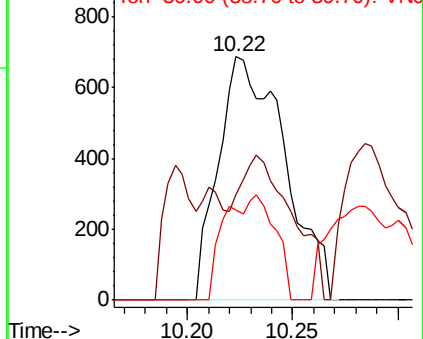
39 32.7 23.0 34.4

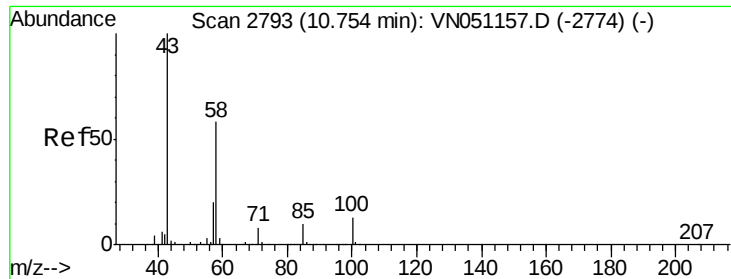


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

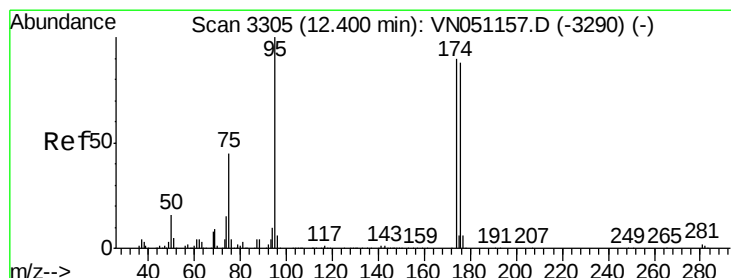
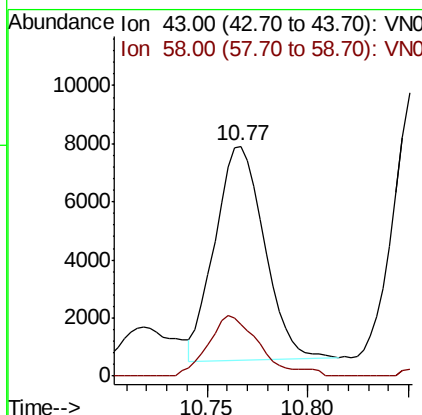
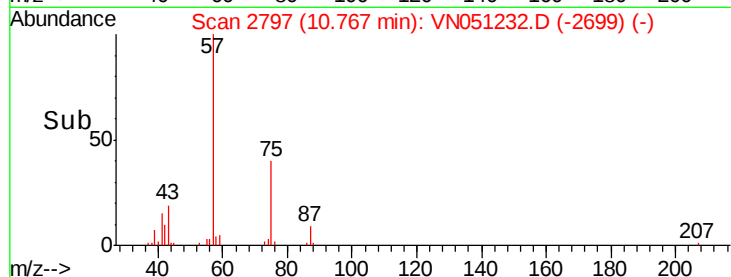
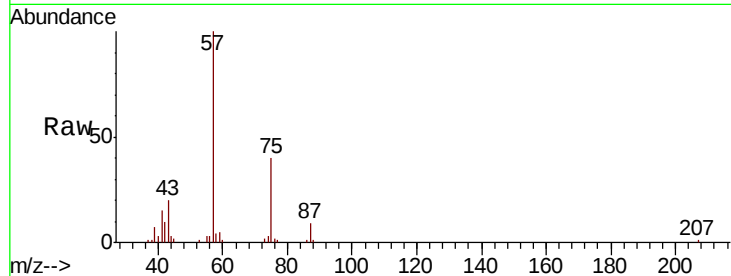




#59
2-Hexanone
Concen: 4.48 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

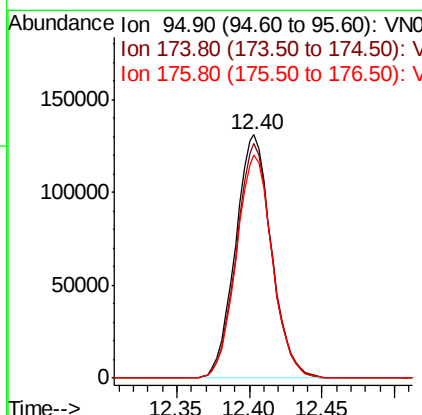
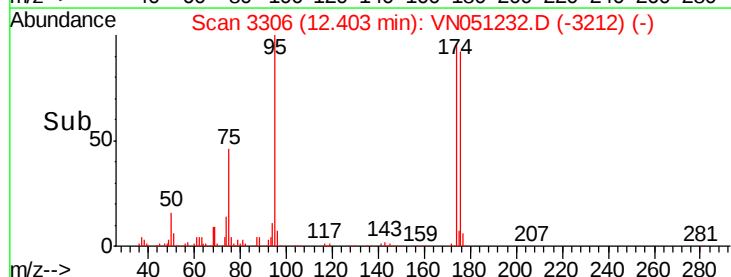
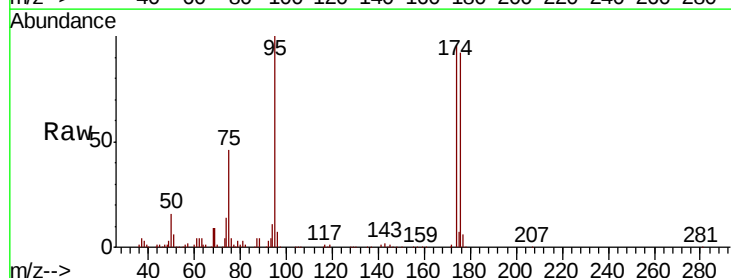
Instrument :
MSVOA_N
ClientSampled :

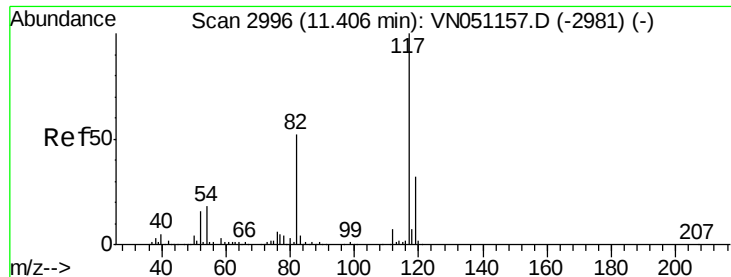
Tot Ion: 43 Resp: 12495
Ion Ratio Lower Upper
43 100
58 29.6 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 35.89 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion: 95 Resp: 224449
Ion Ratio Lower Upper
95 100
174 96.0 0.0 184.8
176 92.1 0.0 178.6

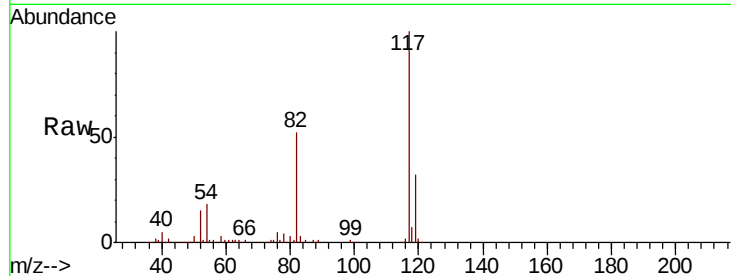




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.6
119	32.1	26.2	39.2

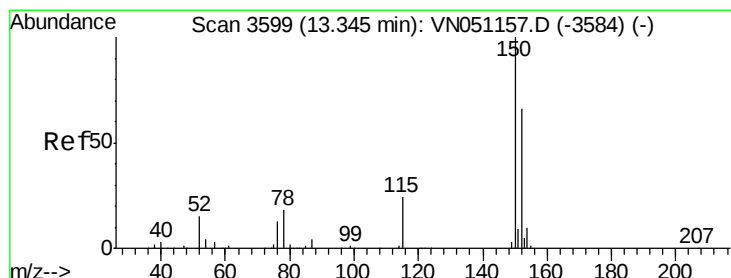
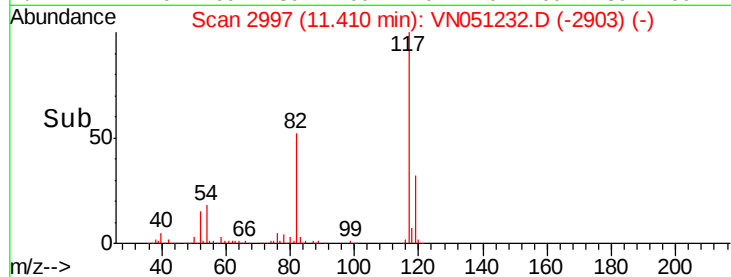
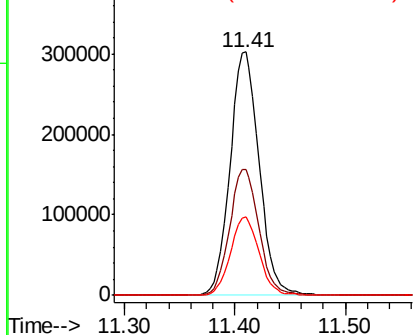


Abundance

Ion 116.90 (116.60 to 117.60): V

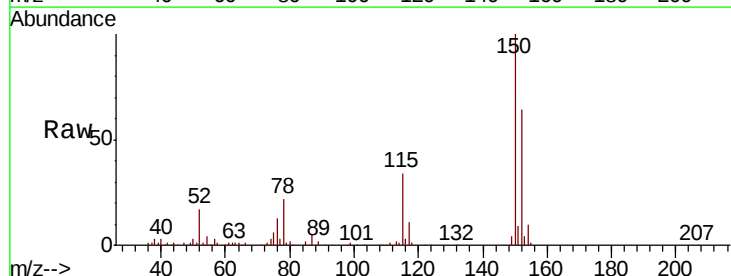
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051232.D
Acq: 15 Sep 2018 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.2	84.7
150	158.5	0.0	349.0

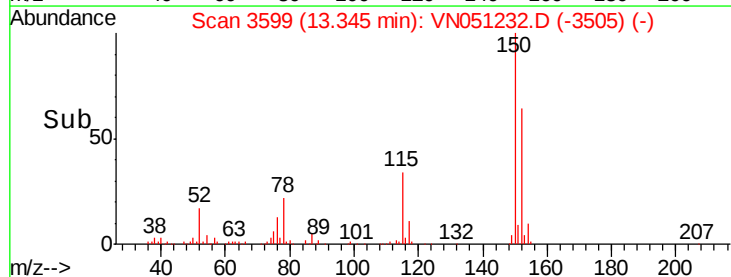
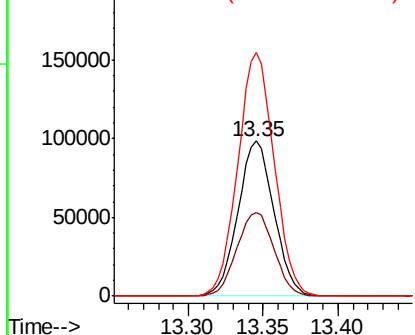


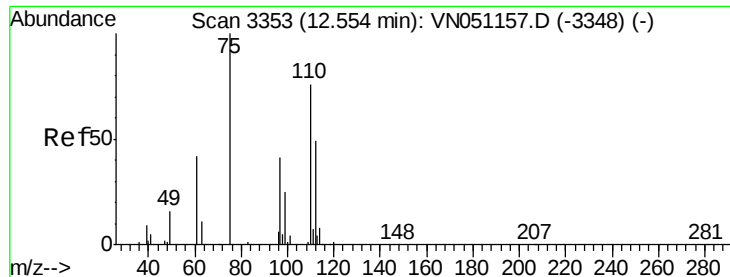
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

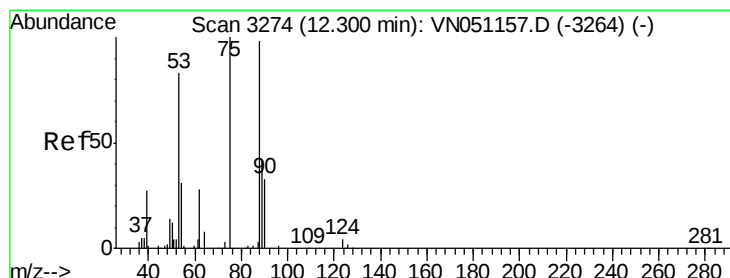
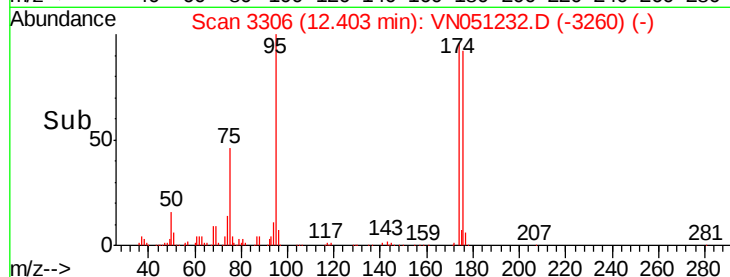
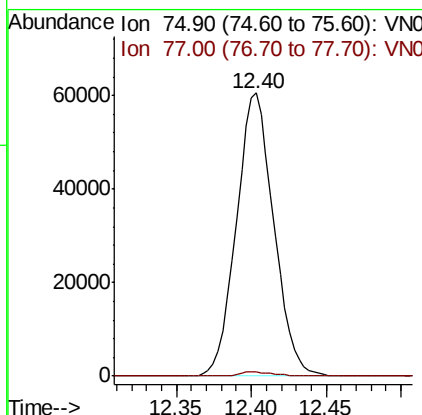
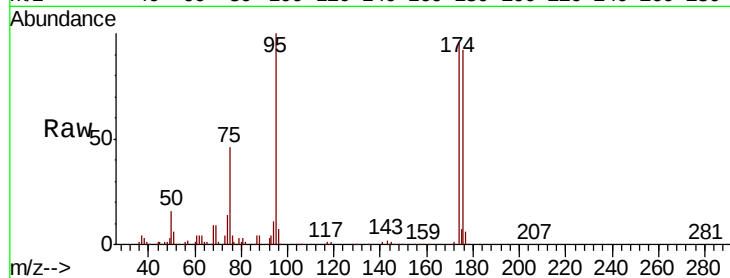




#76
 1,2,3-Trichloropropane
 Concen: 40.87 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

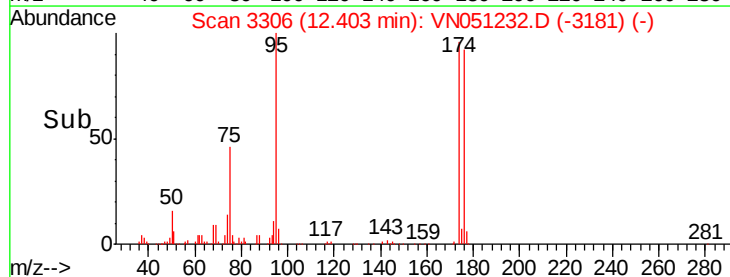
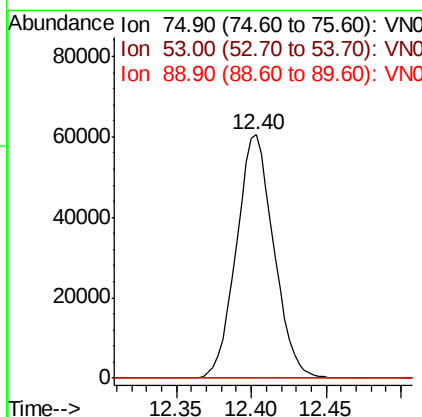
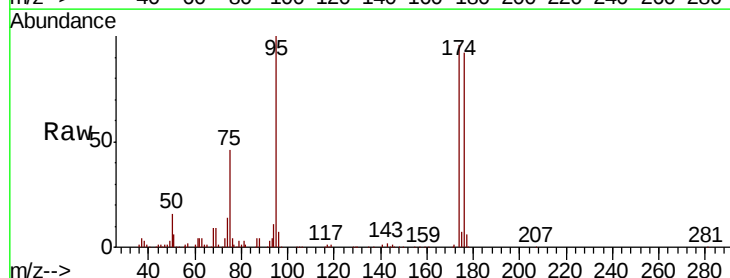
Instrument :
 MSVOA_N
 ClientSampled :

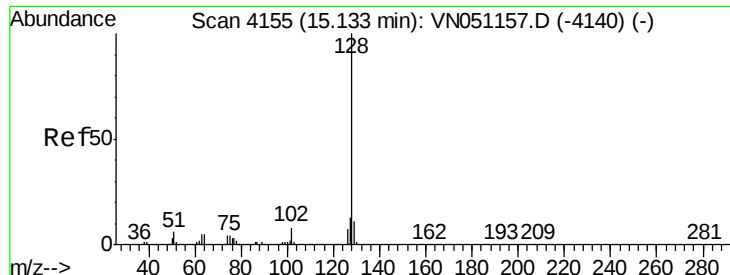
Tot Ion: 75 Resp: 105188
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.14 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

Tgt Ion: 75 Resp: 105188
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.8 101.8#
 89 0.0 36.0 54.0#

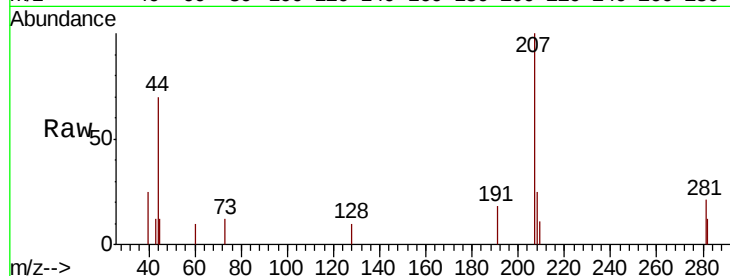




#95
 Naphthalene
 Concen: 5.35 ug/l
 RT: 15.15 min Scan# 4159
 Delta R.T. 0.01 min
 Lab File: VN051232.D
 Acq: 15 Sep 2018 19:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

