

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
 Data File : VN067933.D
 Acq On : 27 Jul 2021 17:12
 Operator : JC/MD
 Sample : M3147-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 05:21:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

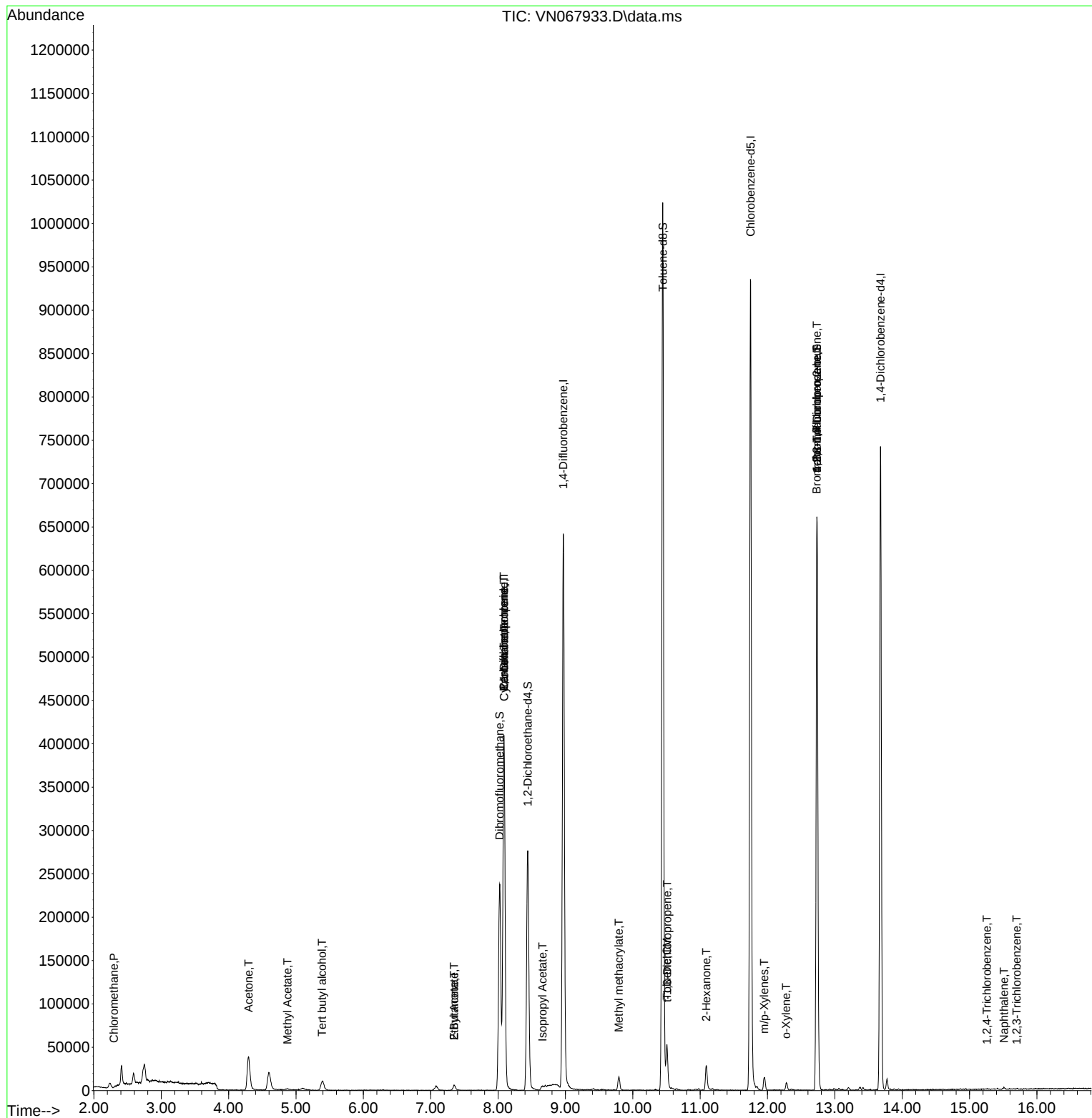
Internal Standards						
1) Pentafluorobenzene	8.088	168	294889	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	570135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	546029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	193141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	236162	52.991	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.980%			
35) Dibromofluoromethane	8.024	113	175943	51.078	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.160%			
50) Toluene-d8	10.446	98	716858	49.719	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.440%			
62) 4-Bromofluorobenzene	12.734	95	238839	46.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.780%			
Target Compounds			Qvalue			
3) Chloromethane	2.298	50	917	0.231	ug/l	96
5) Bromomethane	2.842	94	24	Below Cal		90
6) Chloroethane	3.054	64	63	Below Cal	#	44
11) Tert butyl alcohol	5.388	59	9702	15.149	ug/l	# 85
13) Acrolein	4.049	56	52	Below Cal	#	47
16) Acetone	4.296	43	73788	52.618	ug/l	100
18) Methyl Acetate	4.873	43	1937	0.492	ug/l	# 65
20) Methylene Chloride	5.093	84	208	Below Cal	#	34
25) 2-Butanone	7.348	43	9787	4.203	ug/l	98
31) Cyclohexane	8.091	56	7770	1.243	ug/l	# 2
36) 1,1-Dichloropropene	8.086	75	26845	5.069	ug/l	# 50
37) Ethyl Acetate	7.348	43	9787	1.907	ug/l	# 69
38) Carbon Tetrachloride	8.086	117	33536	6.420	ug/l	# 16
43) Isopropyl Acetate	8.660	43	3356	0.372	ug/l	# 58
48) Methyl methacrylate	9.794	41	6600	1.653	ug/l	# 34
52) Toluene	10.508	92	19659	1.893	ug/l	98
53) t-1,3-Dichloropropene	10.510	75	149	1.766	ug/l	# 59
59) 2-Hexanone	11.090	43	22382	5.782	ug/l	98
68) m/p-Xylenes	11.950	106	4956	0.642	ug/l	86
69) o-Xylene	12.278	106	2303	0.303	ug/l	98
71) Bromoform	12.731	173	562	3.326	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	132754	33.657	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	132754	108.514	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.257	180	131	2.713	ug/l	# 1
95) Naphthalene	15.509	128	2904	3.301	ug/l	# 89
96) 1,2,3-Trichlorobenzene	15.700	180	112	2.667	ug/l	# 60

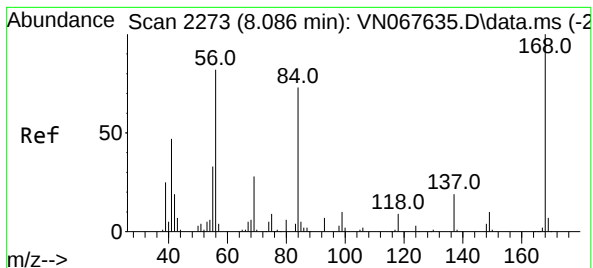
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067933.D

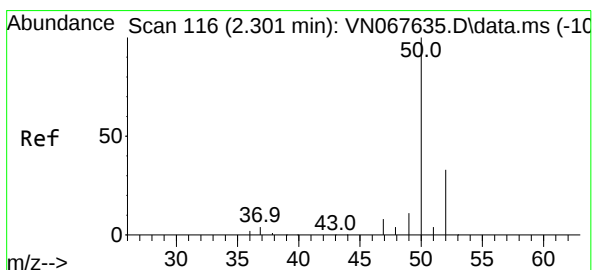
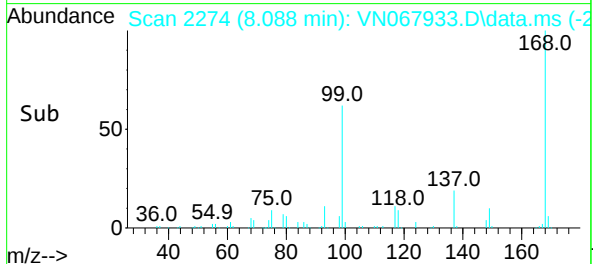
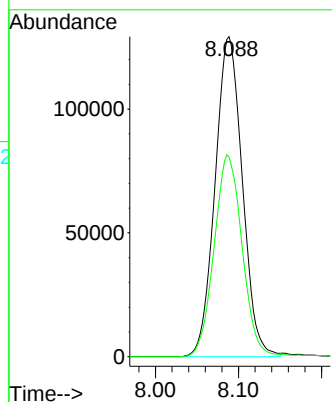
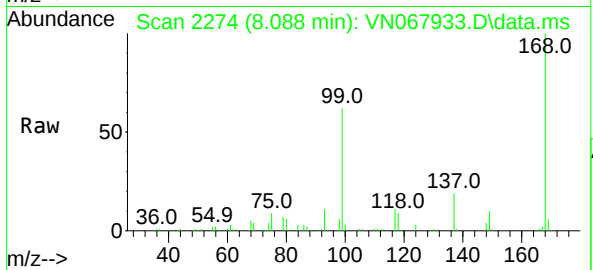
Acq: 27 Jul 2021 17:12

Tgt Ion:168 Resp: 294889

Ion Ratio Lower Upper

168 100

99 62.4 62.9 94.3#



#3

Chloromethane

Concen: 0.231 ug/l

RT: 2.298 min Scan# 115

Delta R.T. -0.003 min

Lab File: VN067933.D

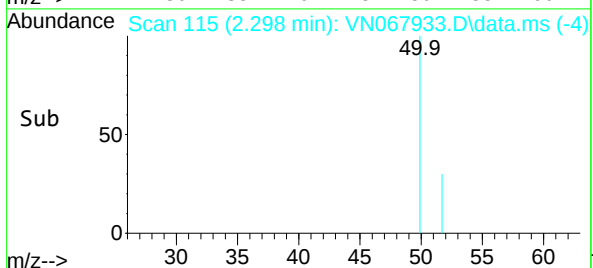
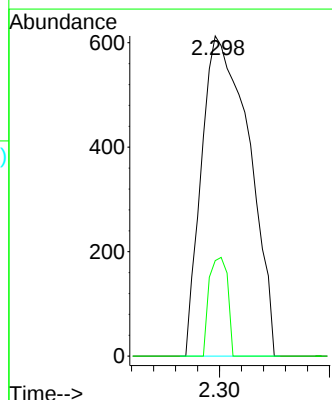
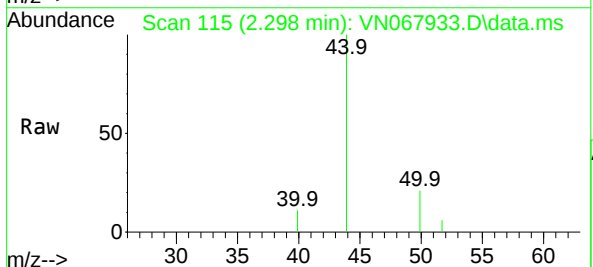
Acq: 27 Jul 2021 17:12

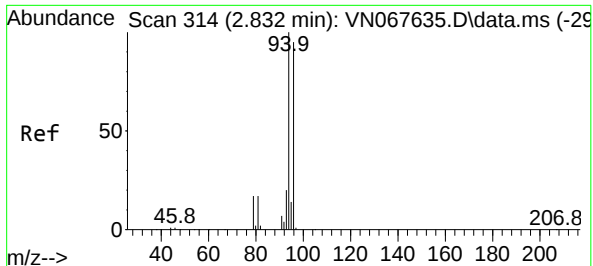
Tgt Ion: 50 Resp: 917

Ion Ratio Lower Upper

50 100

52 29.9 25.6 38.4

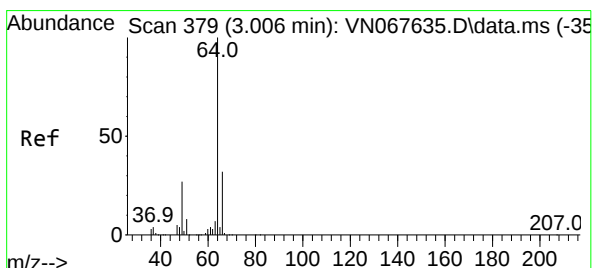
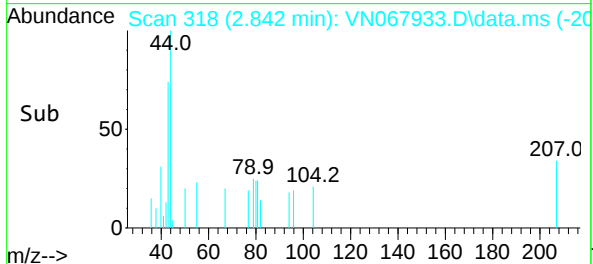
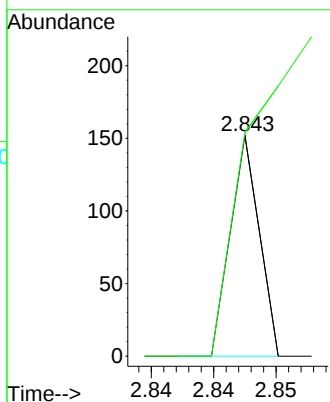
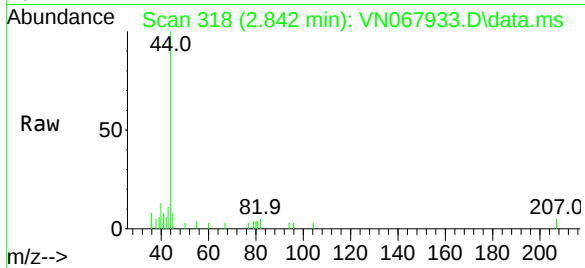




#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.010 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

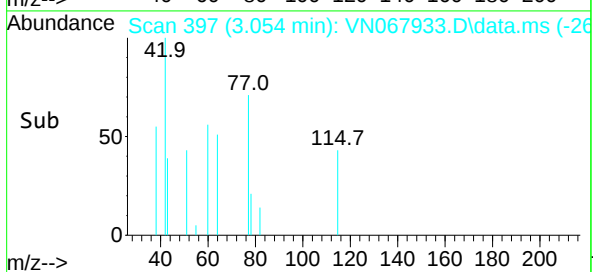
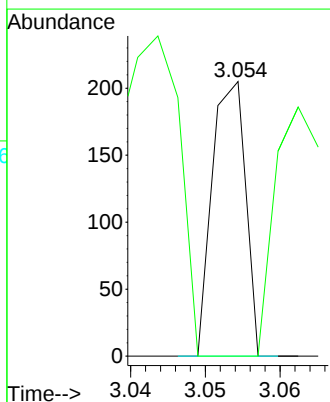
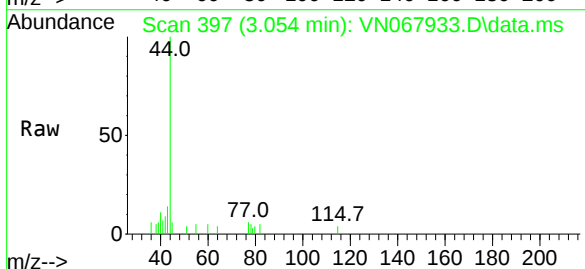
Instrument :
MSVOA_N
ClientSampled :

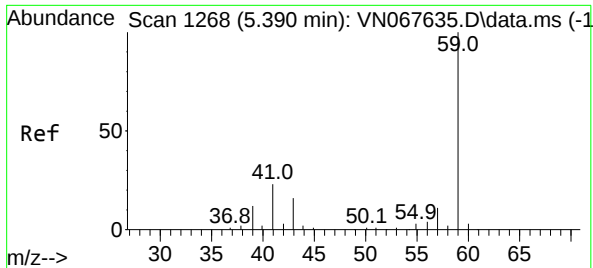
Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 101.3 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.054 min Scan# 397
Delta R.T. 0.048 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

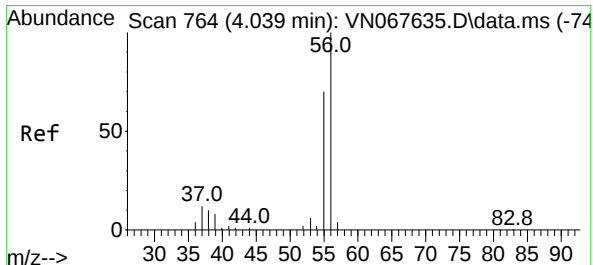
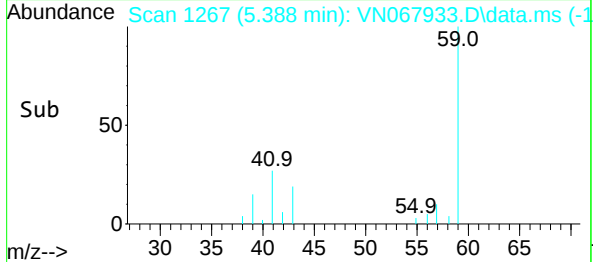
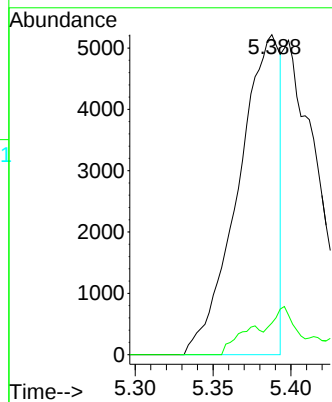
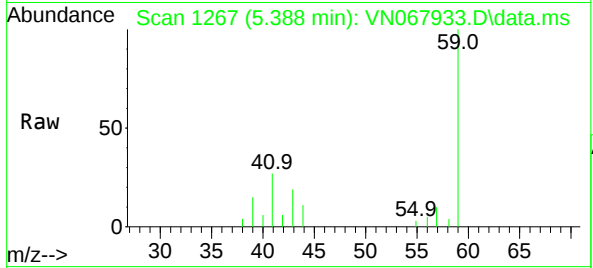




#11
Tert butyl alcohol
Concen: 15.149 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

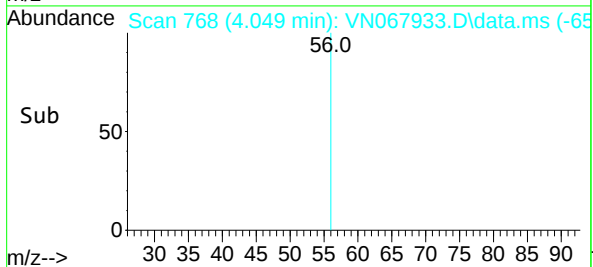
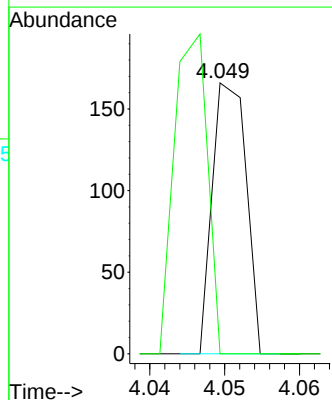
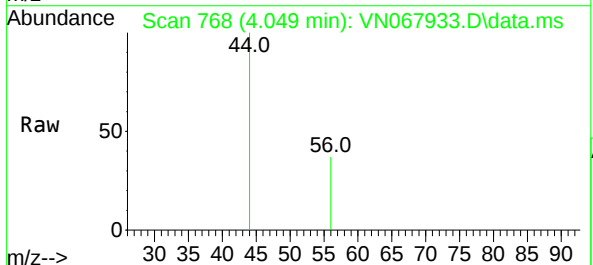
Instrument :
MSVOA_N
ClientSampled :

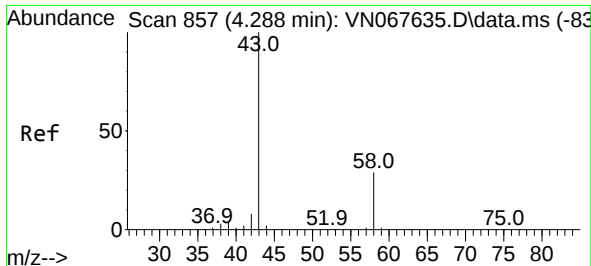
Tgt Ion: 59 Resp: 9702
Ion Ratio Lower Upper
59 100
57 5.3 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 115.4 57.4 86.0#

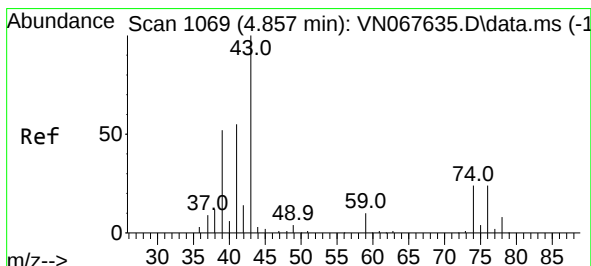
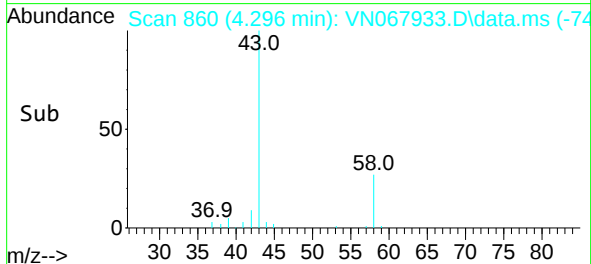
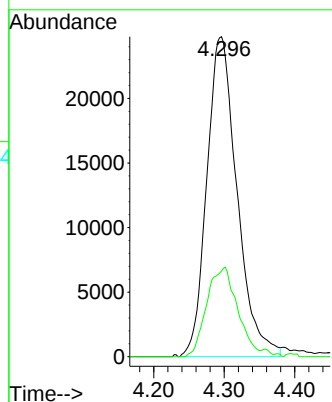
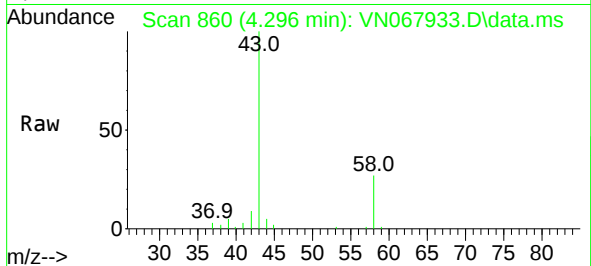




#16
Acetone
Concen: 52.618 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

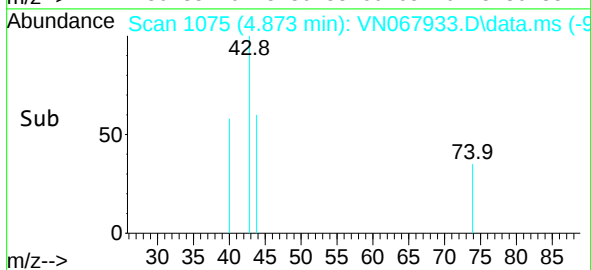
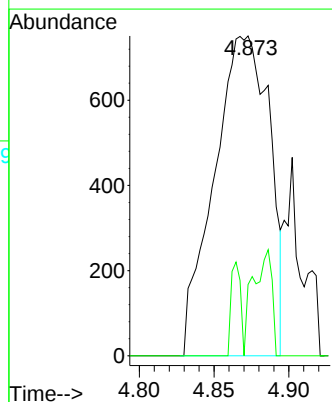
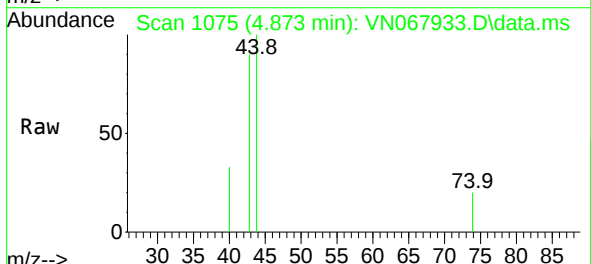
Instrument :
MSVOA_N
ClientSampled :

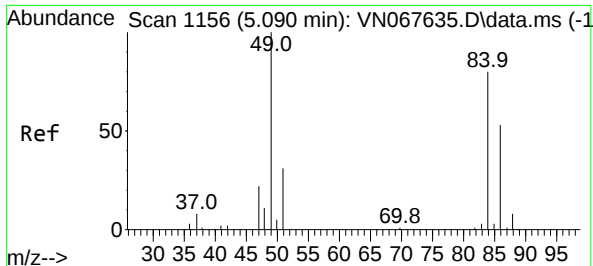
Tgt Ion: 43 Resp: 73788
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.016 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

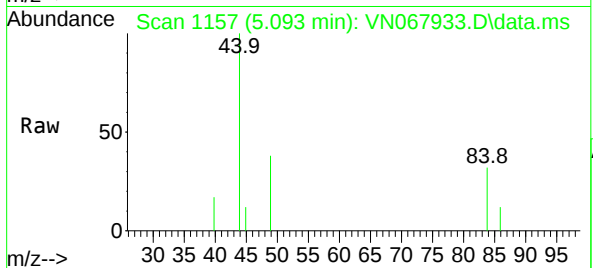
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
74 5.0 17.4 26.0#



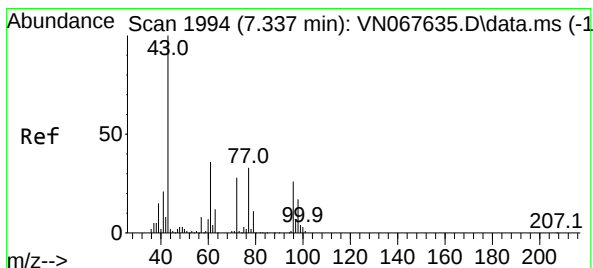
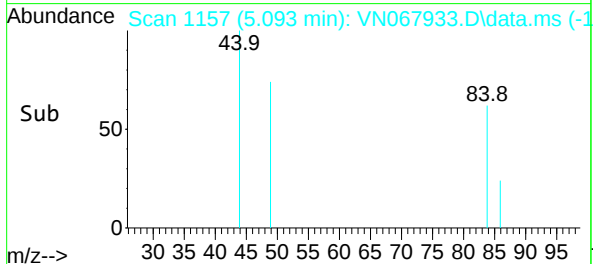
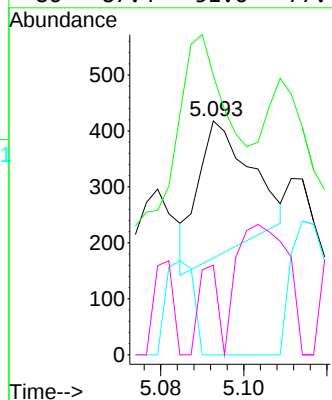


#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Instrument :
MSVOA_N
ClientSampled :

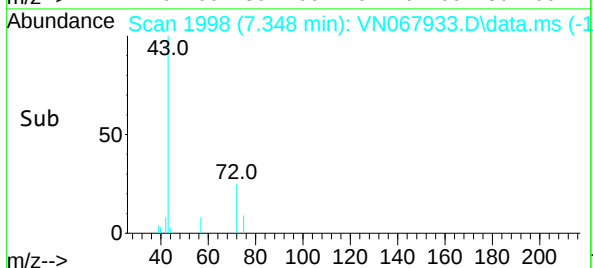
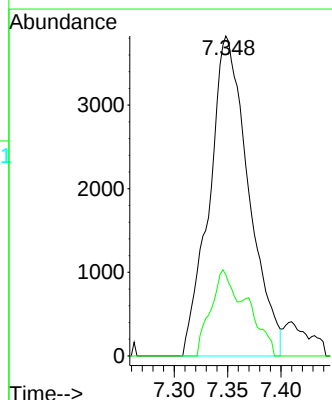
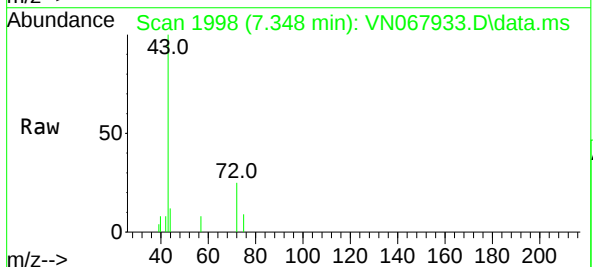


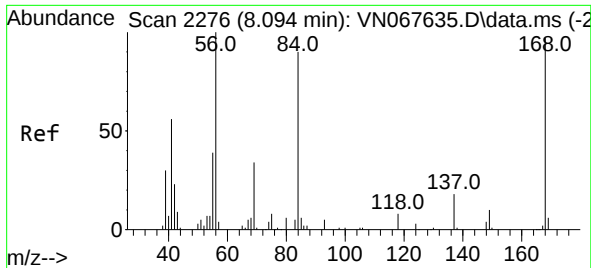
Tgt Ion:	84	Resp:	208
Ion	Ratio	Lower	Upper
84	100		
49	38.3	110.9	166.3#
51	0.0	32.6	49.0#
86	87.4	51.6	77.4#



#25
2-Butanone
Concen: 4.203 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion:	43	Resp:	9787
Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.7	29.5

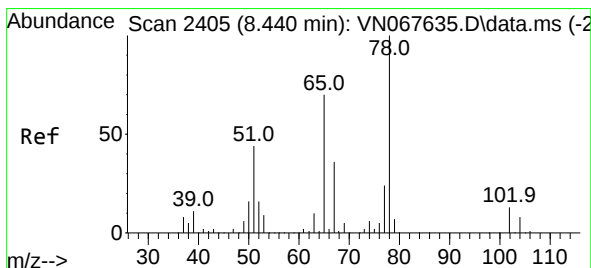
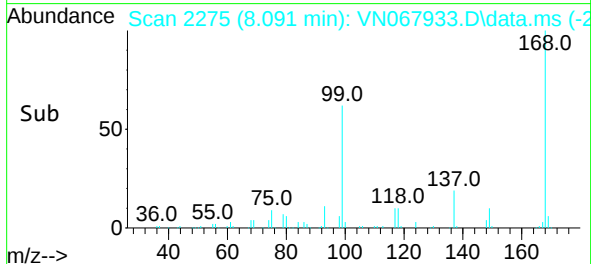
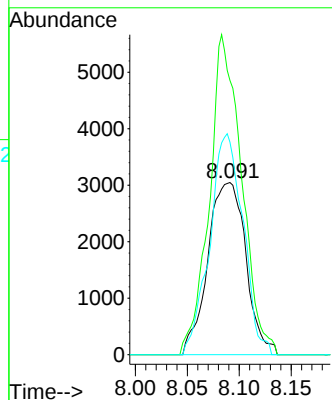
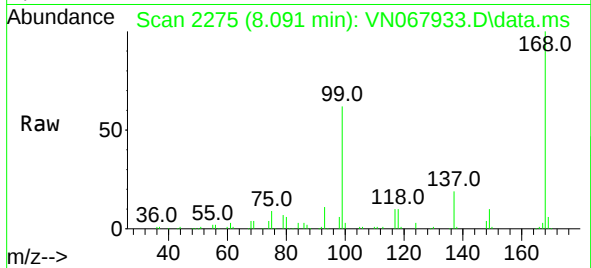




#31
Cyclohexane
Concen: 1.243 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

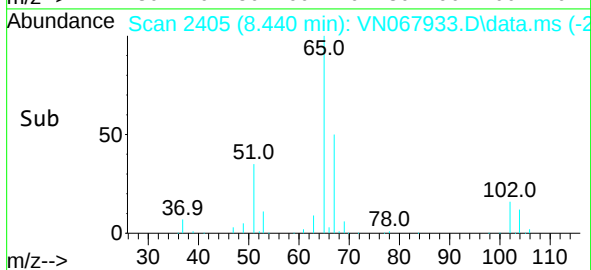
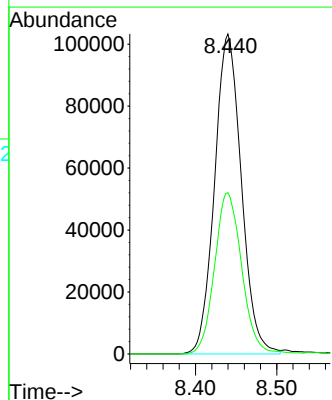
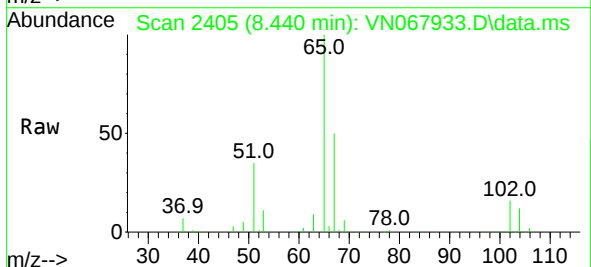
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MSVOA_N
ClientSampleId :

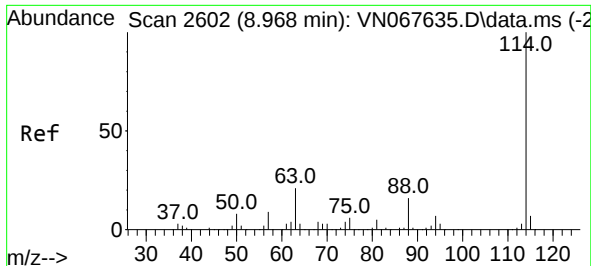
Tgt Ion: 56 Resp: 7770
Ion Ratio Lower Upper
56 100
69 159.3 27.3 40.9#
84 123.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.991 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion: 65 Resp: 236162
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

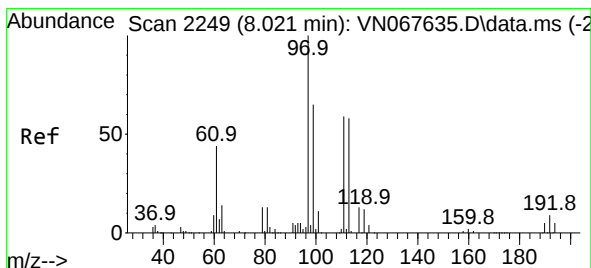
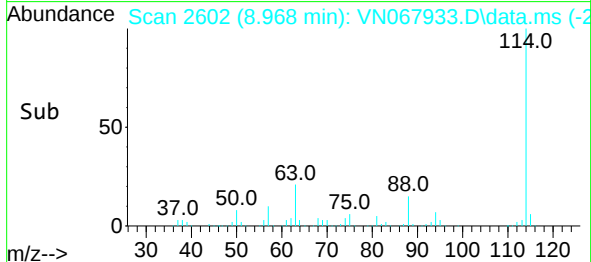
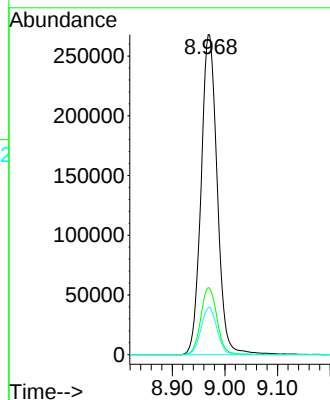
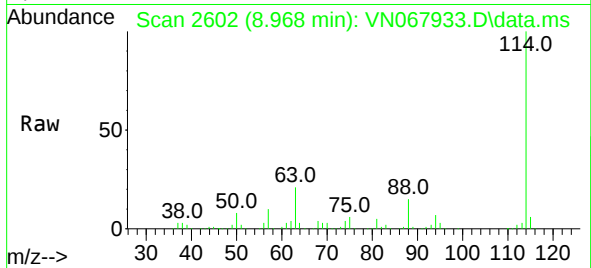




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

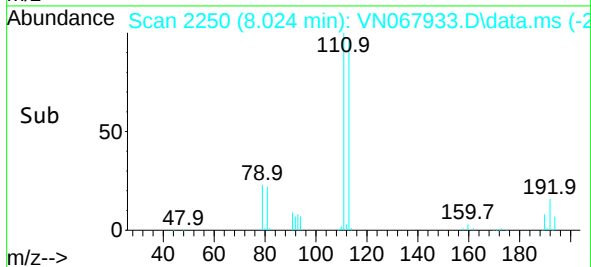
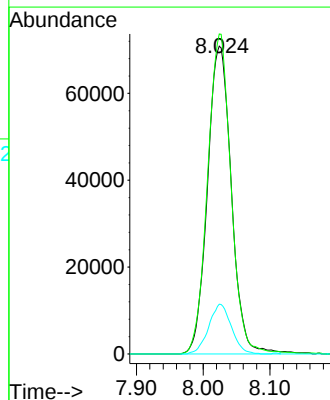
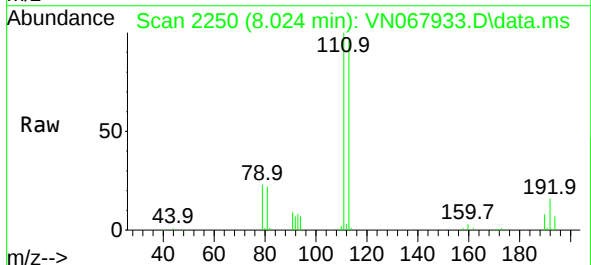
Instrument :
MSVOA_N
ClientSampled :

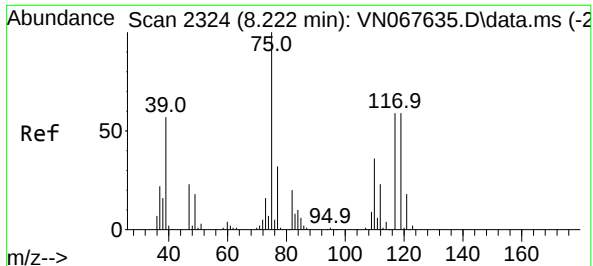
Tgt Ion:114 Resp: 570135
Ion Ratio Lower Upper
114 100
63 21.0 0.0 49.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.078 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

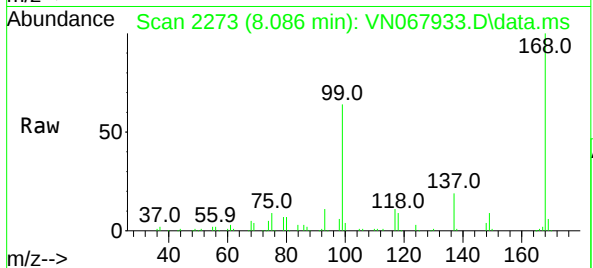
Tgt Ion:113 Resp: 175943
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.8
192 15.4 13.4 20.0



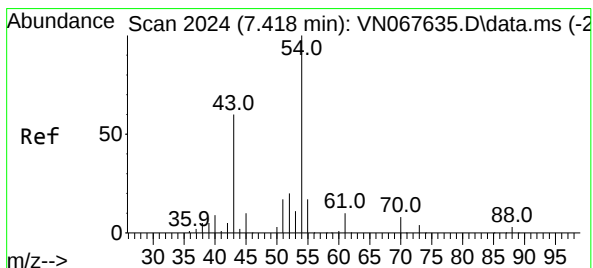
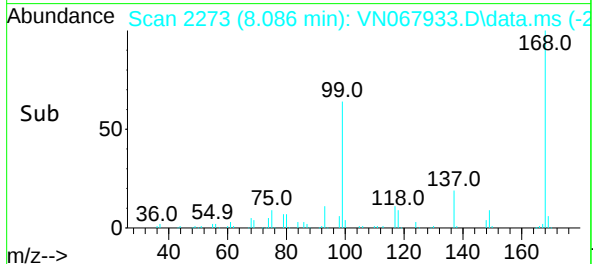
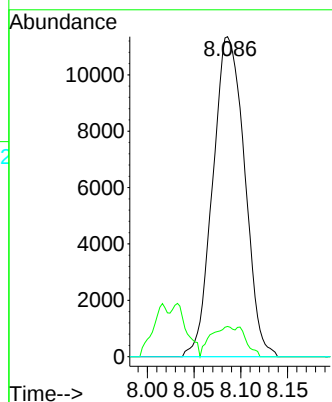


#36
 1,1-Dichloropropene
 Concen: 5.069 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN067933.D
 Acq: 27 Jul 2021 17:12

Instrument :
 MSVOA_N
 ClientSampled :

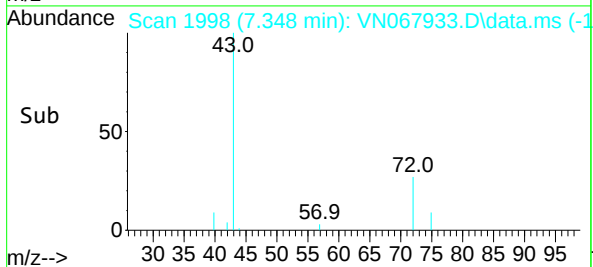
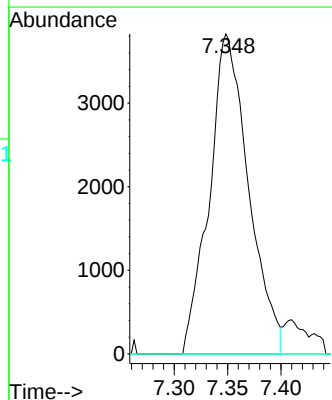
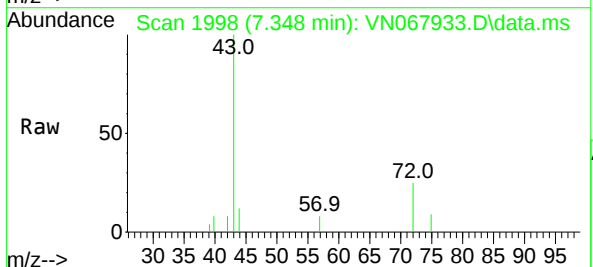


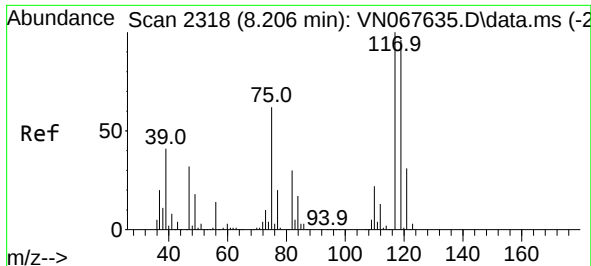
Tgt Ion: 75 Resp: 26845
 Ion Ratio Lower Upper
 75 100
 110 7.1 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.907 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. -0.070 min
 Lab File: VN067933.D
 Acq: 27 Jul 2021 17:12

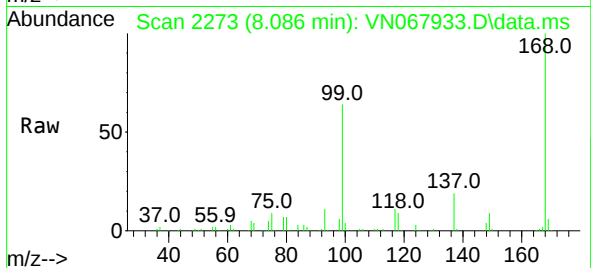
Tgt Ion: 43 Resp: 9787
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



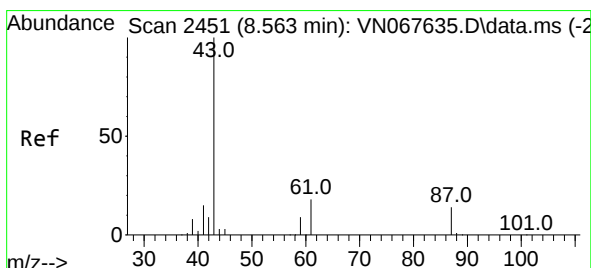
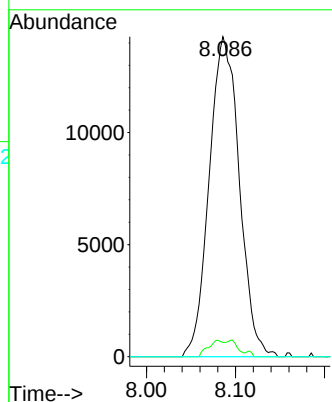
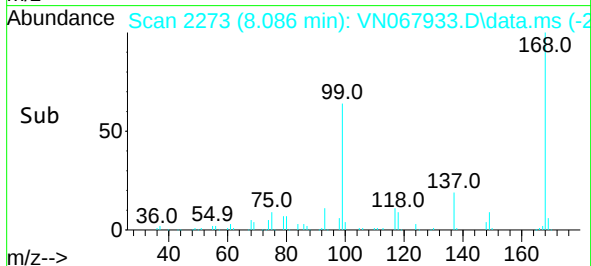


#38
Carbon Tetrachloride
Concen: 6.420 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

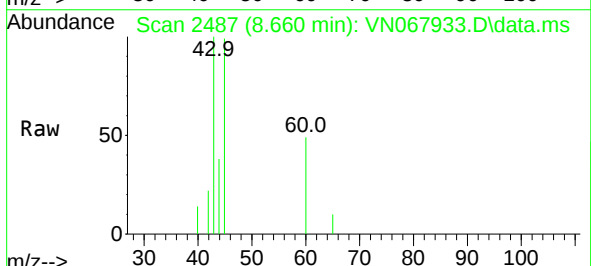
Instrument :
MSVOA_N
ClientSampled :



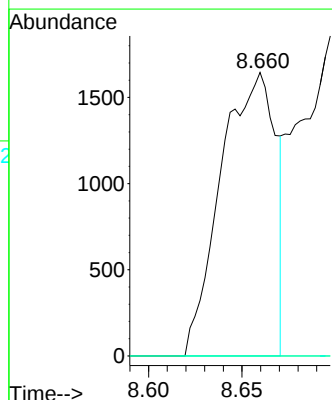
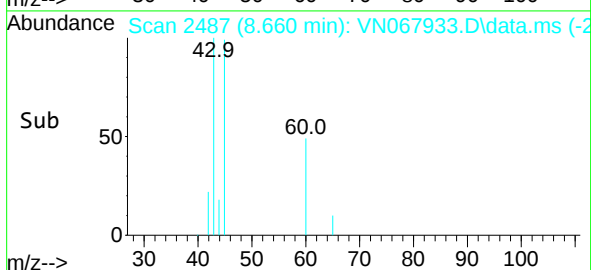
Tgt Ion:117 Resp: 33536
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#

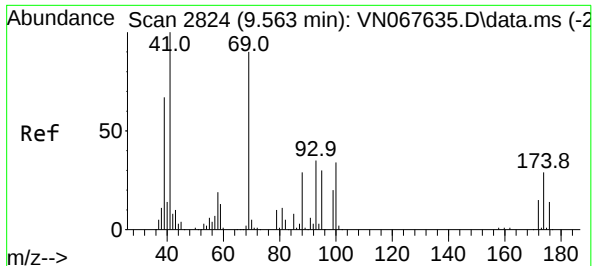


#43
Isopropyl Acetate
Concen: 0.372 ug/l
RT: 8.660 min Scan# 2487
Delta R.T. 0.097 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12



Tgt Ion: 43 Resp: 3356
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

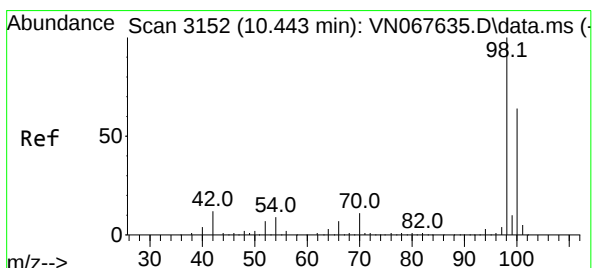
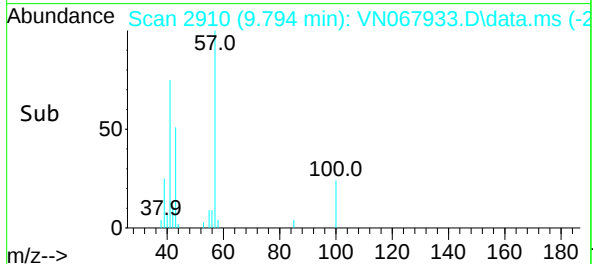
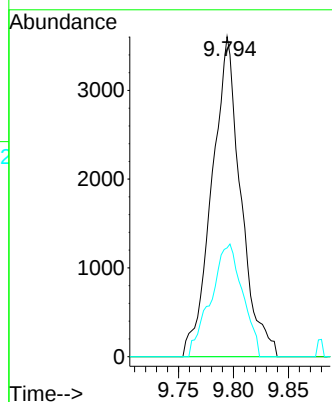
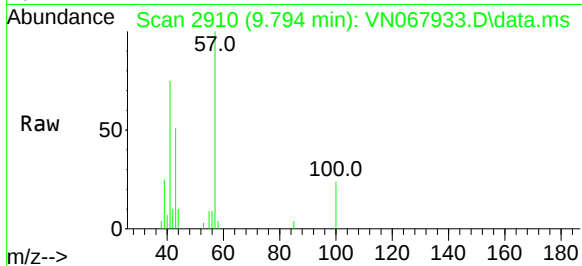




#48
Methyl methacrylate
Concen: 1.653 ug/l
RT: 9.794 min Scan# 2910
Delta R.T. 0.231 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

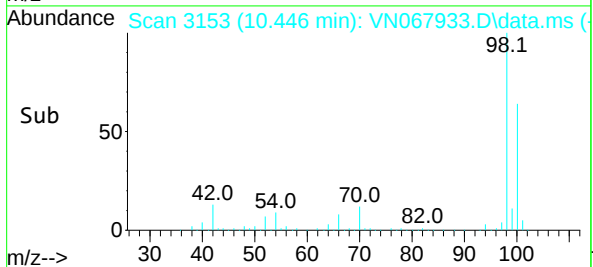
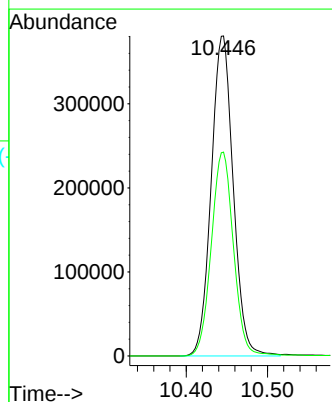
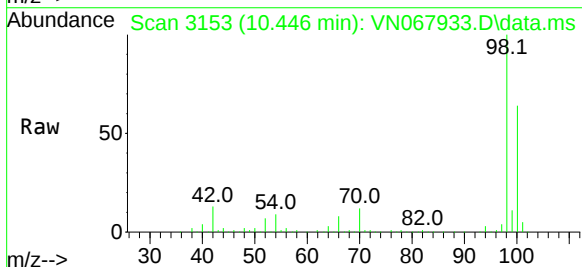
Instrument :
MSVOA_N
ClientSampled :

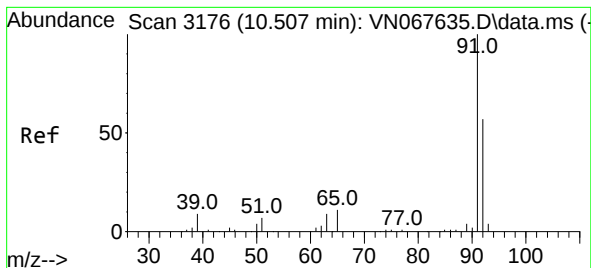
Tgt Ion: 41 Resp: 6600
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 38.5 53.3 79.9#



#50
Toluene-d8
Concen: 49.719 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion: 98 Resp: 716858
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5





#52

Toluene

Concen: 1.893 ug/l

RT: 10.508 min Scan# 3176

Delta R.T. 0.001 min

Lab File: VN067933.D

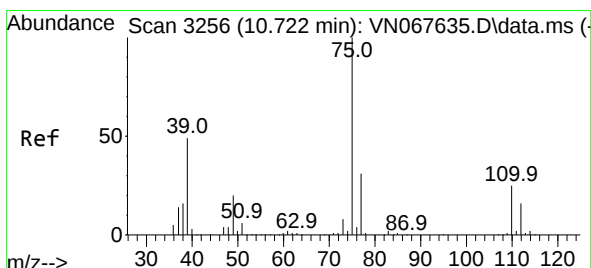
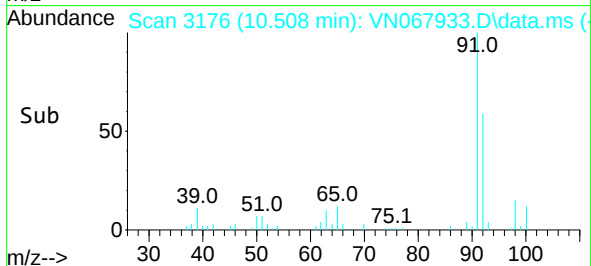
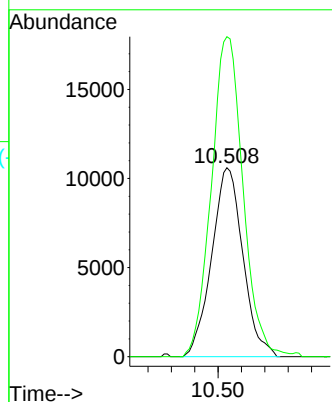
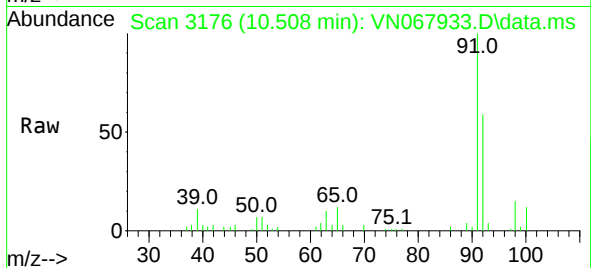
Acq: 27 Jul 2021 17:12

Tgt Ion: 92 Resp: 19659

Ion Ratio Lower Upper

92 100

91 171.6 139.6 209.4



#53

t-1,3-Dichloropropene

Concen: 1.766 ug/l

RT: 10.510 min Scan# 3177

Delta R.T. -0.212 min

Lab File: VN067933.D

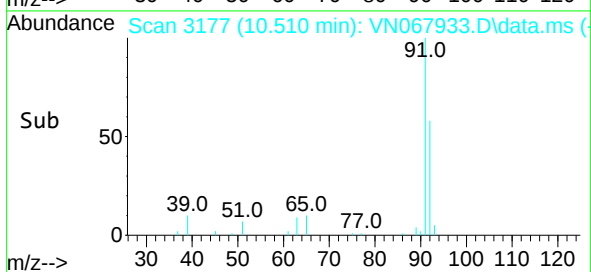
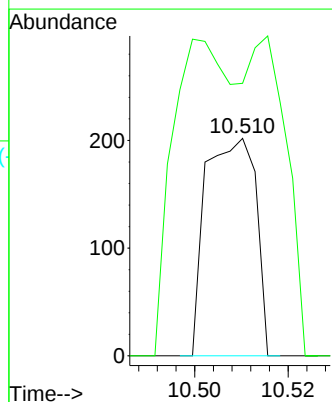
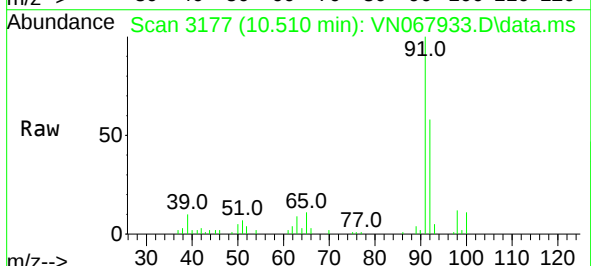
Acq: 27 Jul 2021 17:12

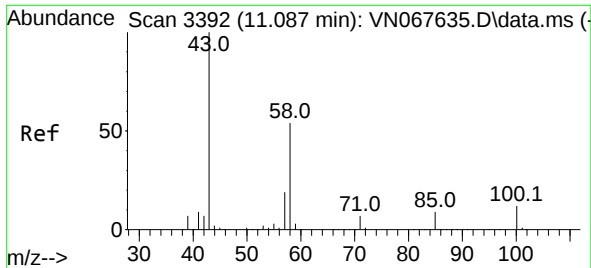
Tgt Ion: 75 Resp: 149

Ion Ratio Lower Upper

75 100

77 8.9 25.1 37.7#

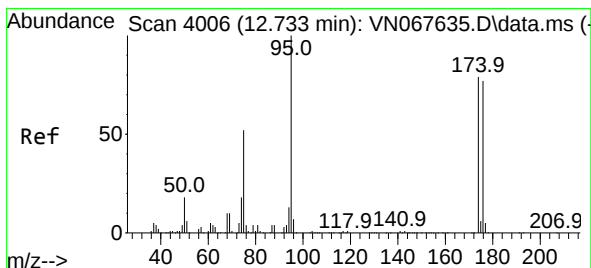
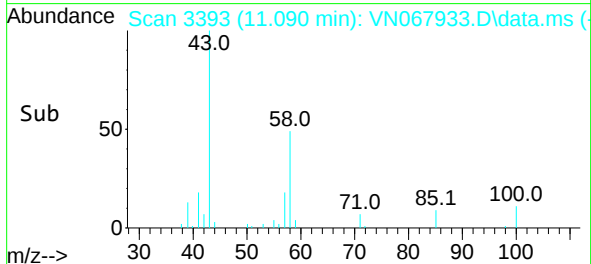
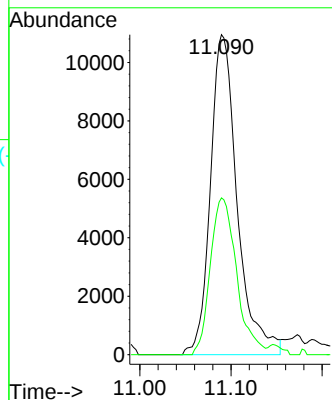
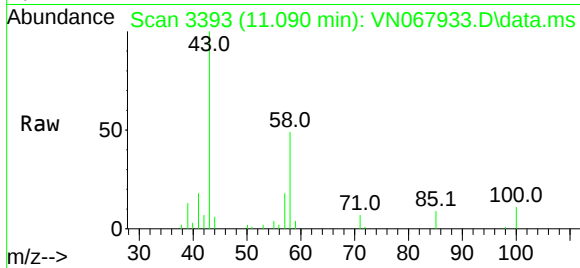




#59
2-Hexanone
Concen: 5.782 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

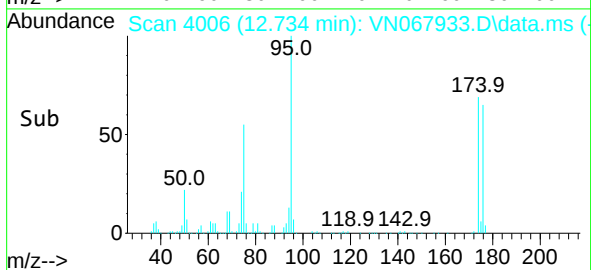
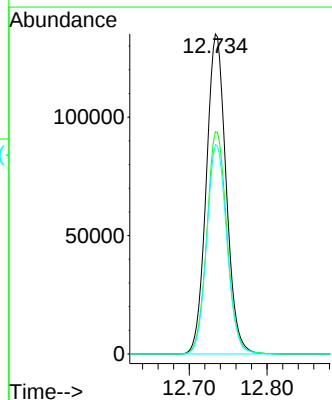
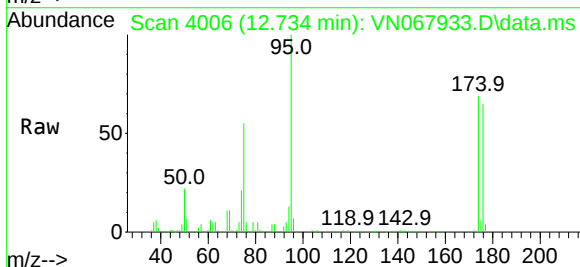
Instrument :
MSVOA_N
ClientSampled :

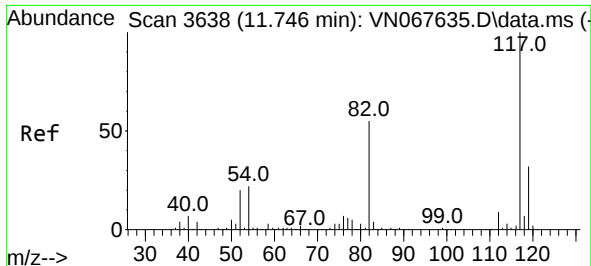
Tgt Ion: 43 Resp: 22382
Ion Ratio Lower Upper
43 100
58 47.9 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.892 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion: 95 Resp: 238839
Ion Ratio Lower Upper
95 100
174 70.6 0.0 122.0
176 66.6 0.0 117.6

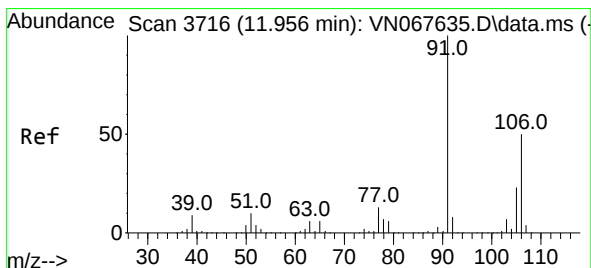
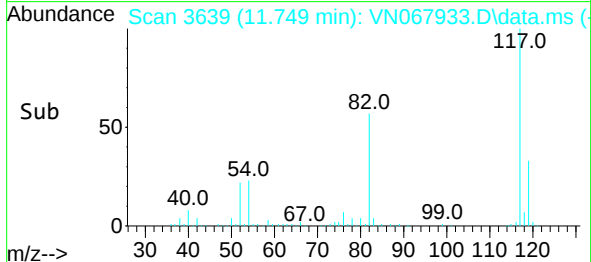
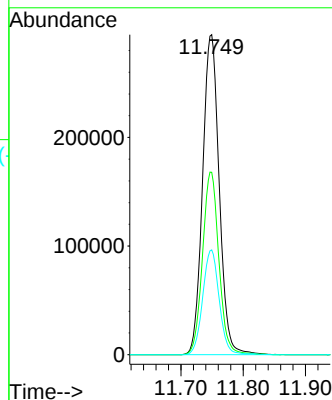
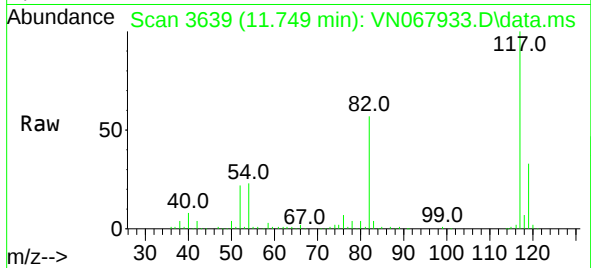




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

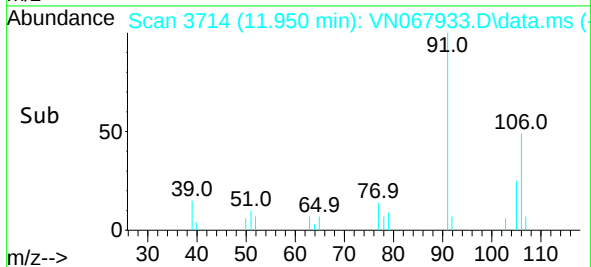
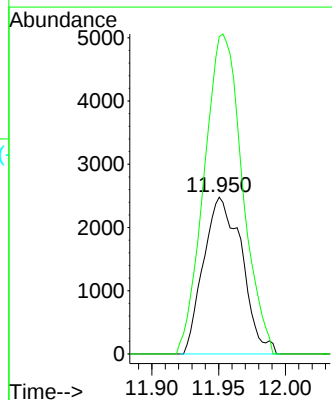
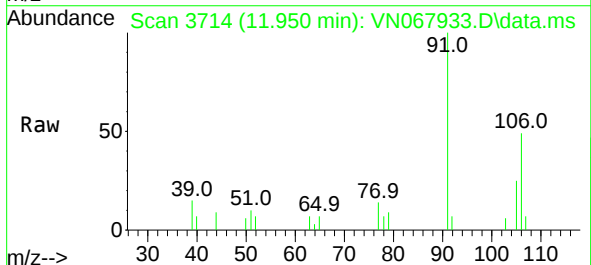
Instrument :
MSVOA_N
ClientSampled :

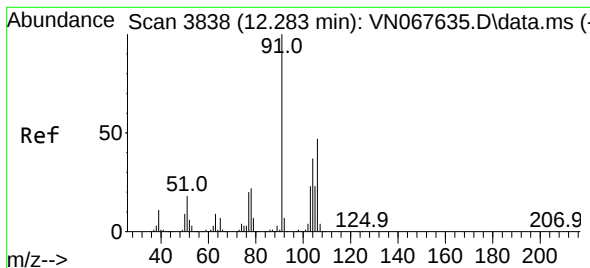
Tgt Ion:117 Resp: 546029
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 32.8 25.5 38.3



#68
m/p-Xylenes
Concen: 0.642 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion:106 Resp: 4956
Ion Ratio Lower Upper
106 100
91 203.0 180.6 270.8

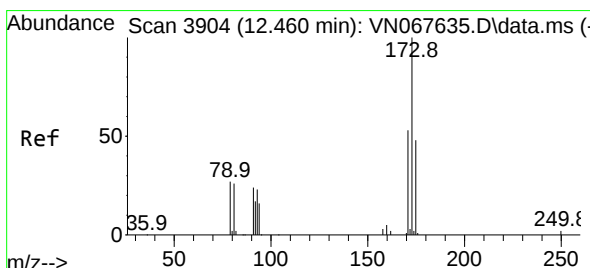
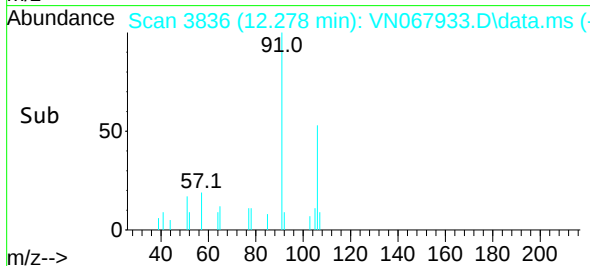
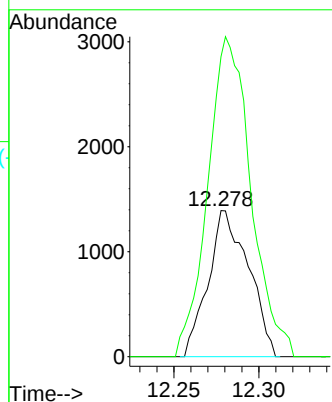
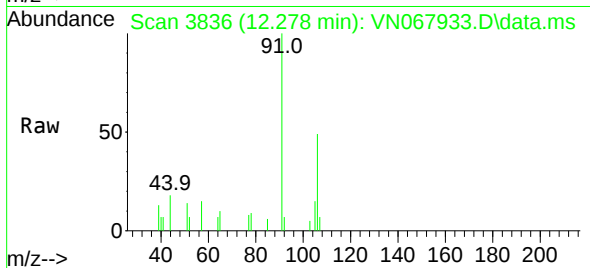




#69
o-Xylene
Concen: 0.303 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.005 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

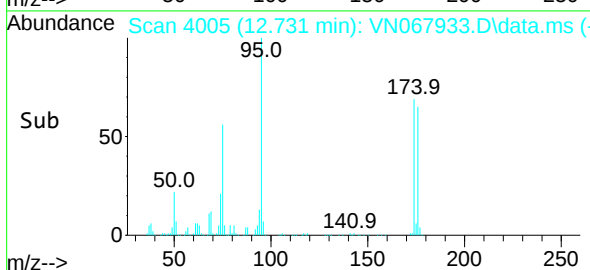
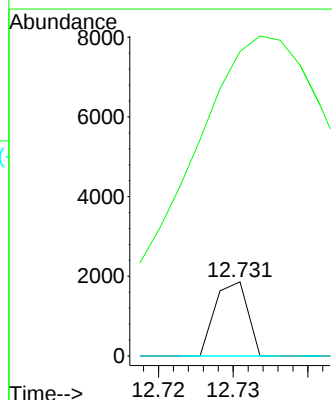
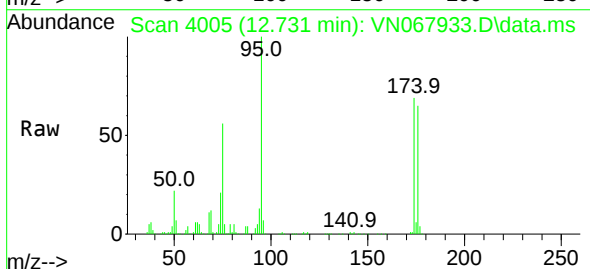
Instrument :
MSVOA_N
ClientSampled :

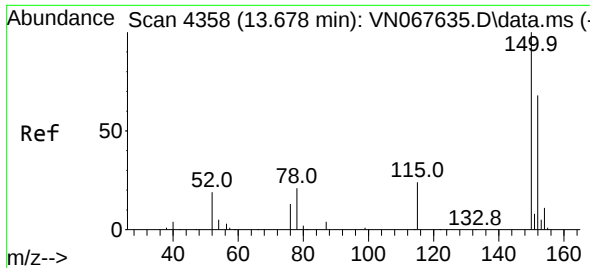
Tgt Ion:106 Resp: 2303
Ion Ratio Lower Upper
106 100
91 233.6 118.3 354.9



#71
Bromoform
Concen: 3.326 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion:173 Resp: 562
Ion Ratio Lower Upper
173 100
175 2175.6 23.9 71.8#
254 0.0 0.0 0.0

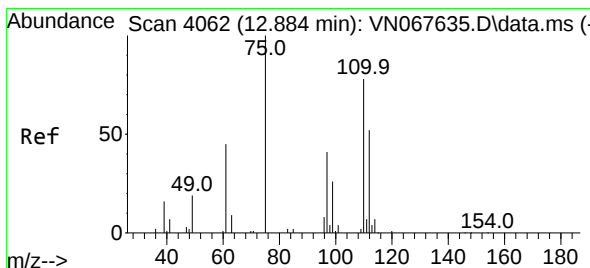
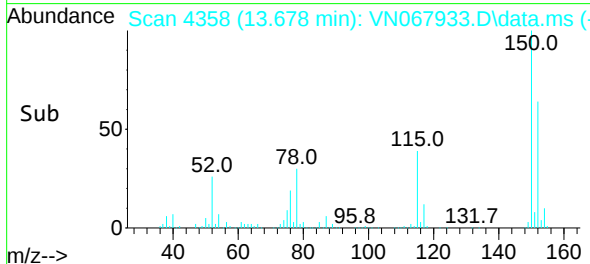
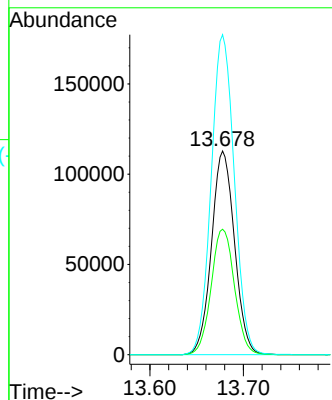
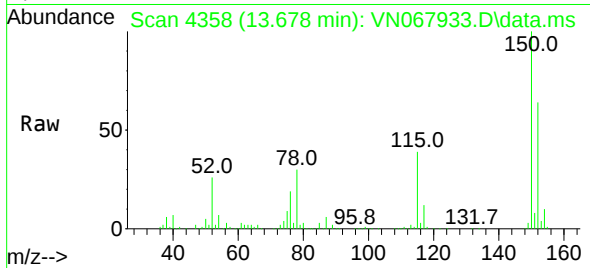




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067933.D
 Acq: 27 Jul 2021 17:12

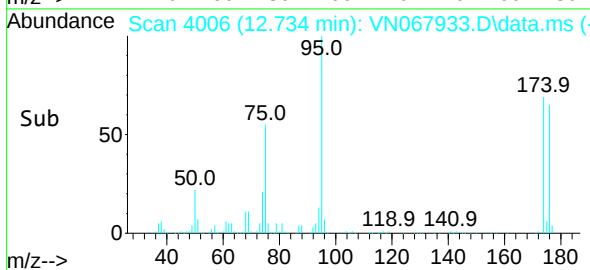
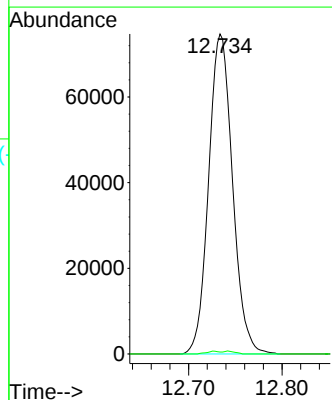
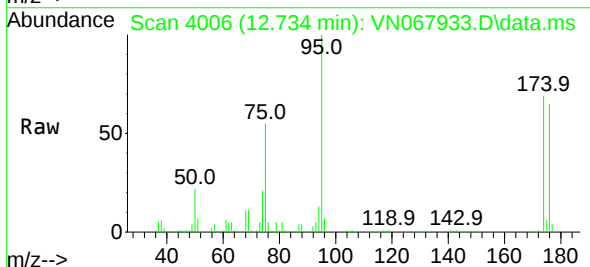
Instrument :
 MSVOA_N
 ClientSampled :

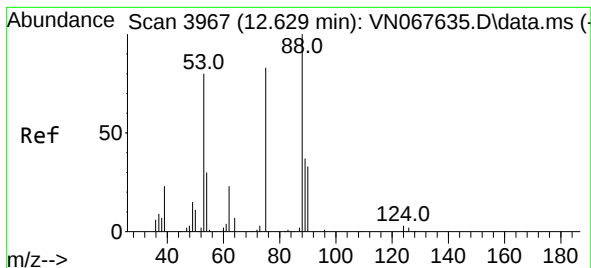
Tgt Ion:152 Resp: 193141
 Ion Ratio Lower Upper
 152 100
 115 62.4 36.1 108.5
 150 157.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.657 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067933.D
 Acq: 27 Jul 2021 17:12

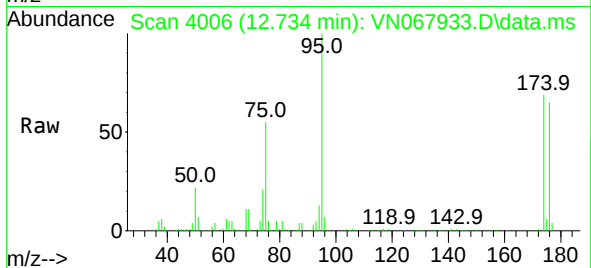
Tgt Ion: 75 Resp: 132754
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#



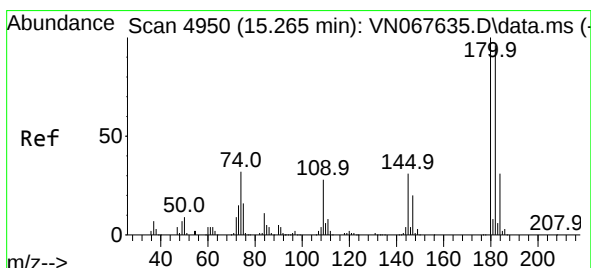
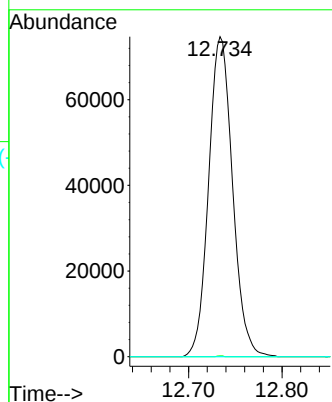
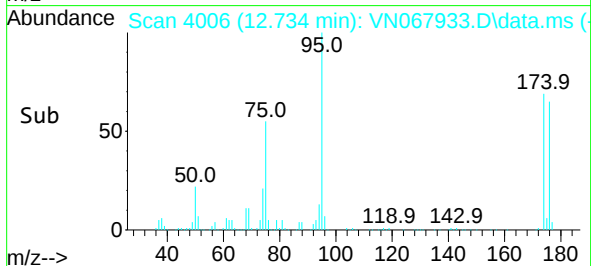


#81
trans-1,4-Dichloro-2-butene
Concen: 108.514 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

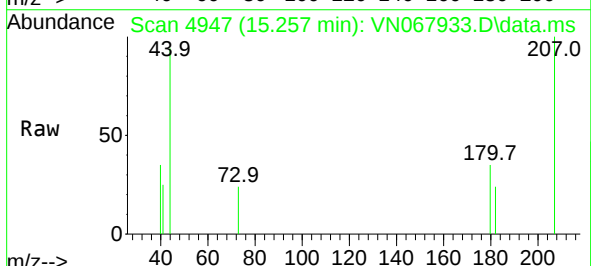
Instrument :
MSVOA_N
ClientSampled :



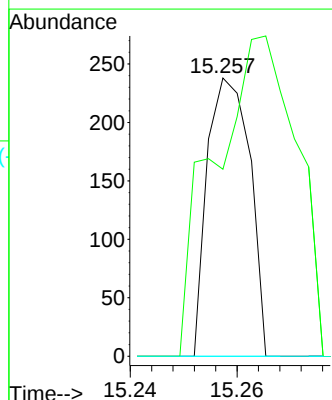
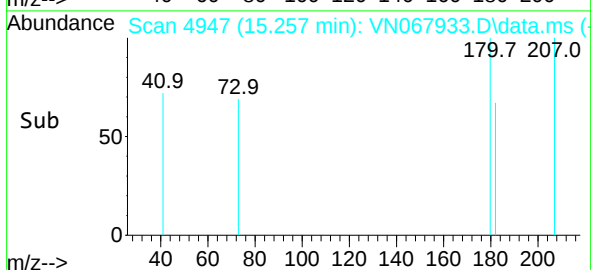
Tgt Ion: 75 Resp: 132754
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

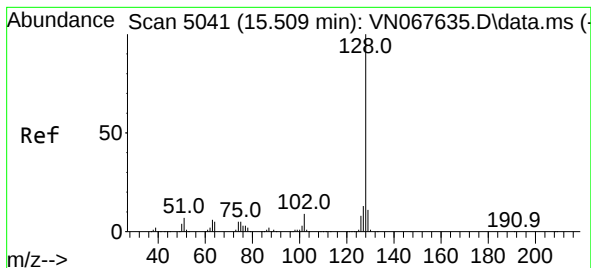


#93
1,2,4-Trichlorobenzene
Concen: 2.713 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12



Tgt Ion:180 Resp: 131
Ion Ratio Lower Upper
180 100
182 223.7 47.5 142.5#
145 0.0 17.2 51.6#

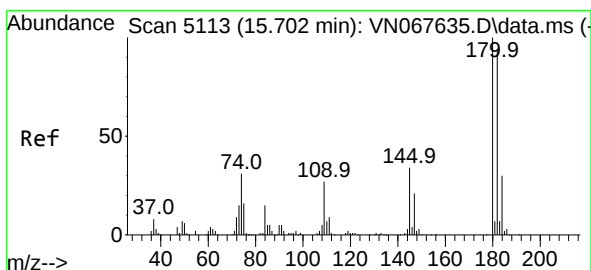
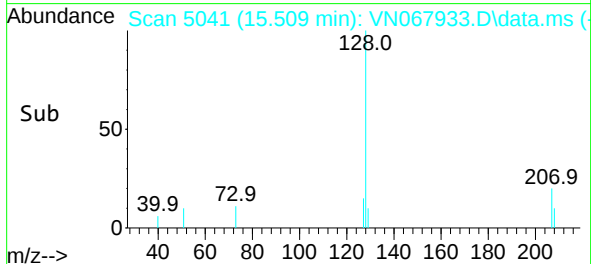
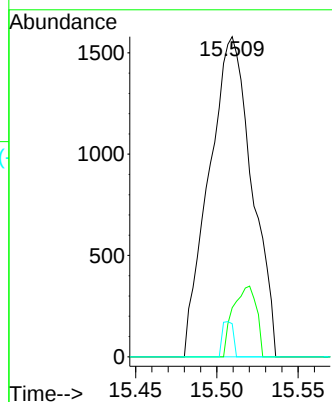
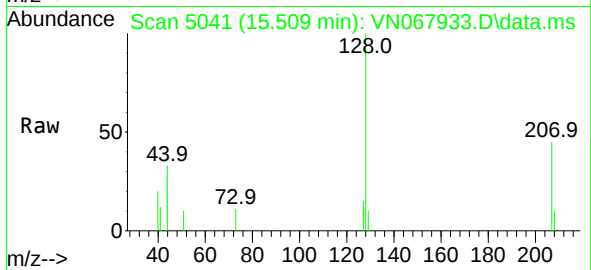




#95
Naphthalene
Concen: 3.301 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2904
Ion Ratio Lower Upper
128 100
127 12.0 10.6 15.8
129 2.8 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.667 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN067933.D
Acq: 27 Jul 2021 17:12

Tgt Ion:180 Resp: 112
Ion Ratio Lower Upper
180 100
182 47.3 47.8 143.3#
145 46.4 18.2 54.6

