

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
 Data File : VN067944.D
 Acq On : 27 Jul 2021 21:42
 Operator : JC/MD
 Sample : M3170-01
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 05:25:57 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)

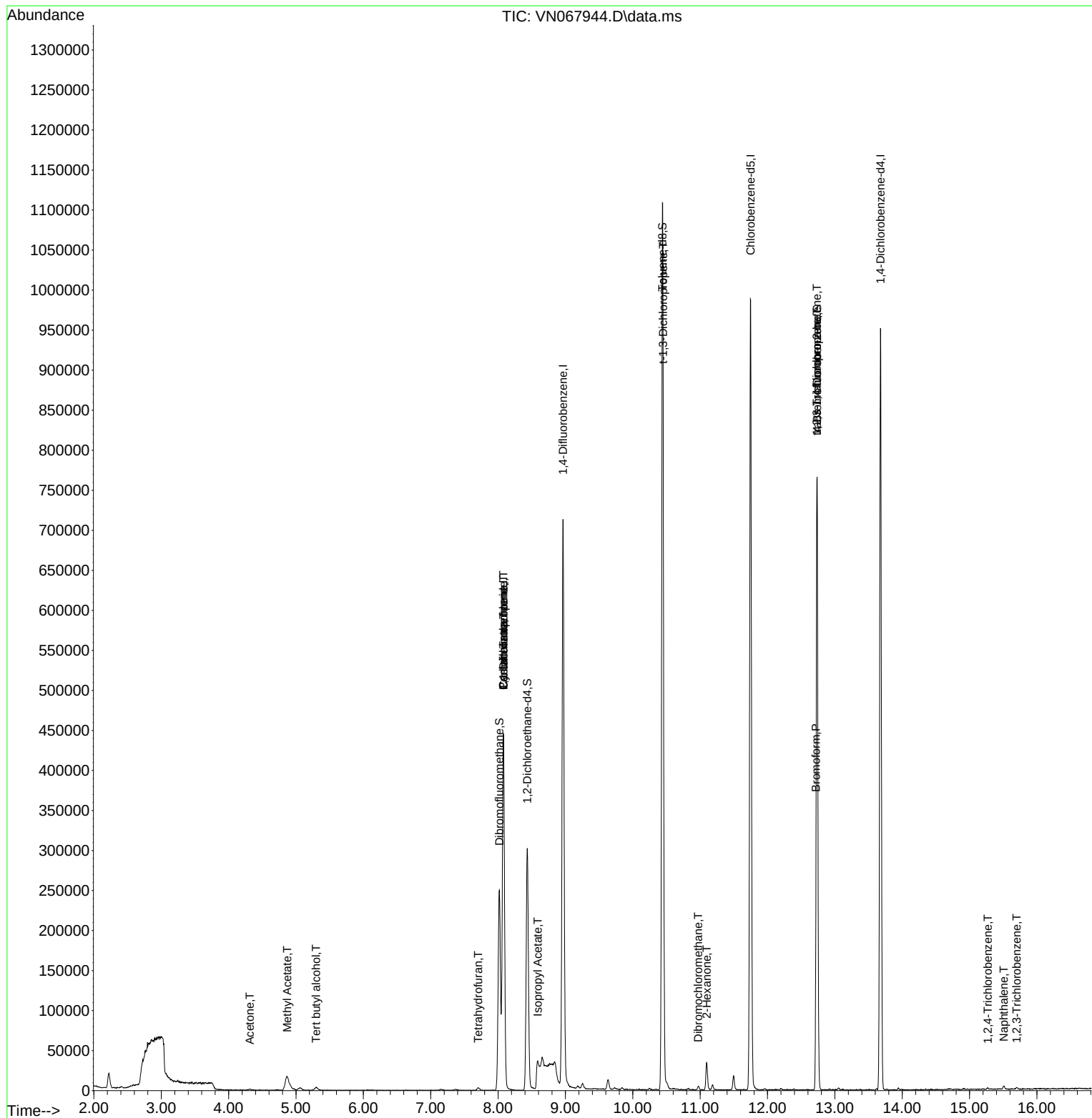
Internal Standards						
1) Pentafluorobenzene	8.080	168	324271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	628595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	580823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	242008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	254998	52.033	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.060%			
35) Dibromofluoromethane	8.018	113	186183	49.024	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.040%			
50) Toluene-d8	10.440	98	781257	49.146	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.736	95	262135	46.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.360%			
Target Compounds			Qvalue			
5) Bromomethane	2.829	94	411	Below Cal	#	8
6) Chloroethane	3.006	64	407	Below Cal	#	87
11) Tert butyl alcohol	5.299	59	565	0.802	ug/l #	71
13) Acrolein	4.028	56	199	Below Cal	#	48
16) Acetone	4.315	43	2542	1.648	ug/l #	88
18) Methyl Acetate	4.870	43	47353	10.933	ug/l #	82
20) Methylene Chloride	5.106	84	256	Below Cal	#	36
29) Tetrahydrofuran	7.702	42	2291	1.361	ug/l #	75
31) Cyclohexane	8.077	56	8425	1.226	ug/l #	27
36) 1,1-Dichloropropene	8.080	75	29058	4.977	ug/l #	51
38) Carbon Tetrachloride	8.080	117	35013	6.079	ug/l #	17
43) Isopropyl Acetate	8.587	43	26352	2.648	ug/l #	58
53) t-1,3-Dichloropropene	10.451	75	82	1.755	ug/l #	82
59) 2-Hexanone	11.097	43	6399	1.499	ug/l #	53
60) Dibromochloromethane	10.969	129	291	2.408	ug/l #	11
71) Bromoform	12.720	173	450	3.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	146340	29.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	146340	95.466	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.270	180	763	2.853	ug/l #	71
95) Naphthalene	15.507	128	3716	3.307	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.700	180	675	2.798	ug/l #	88

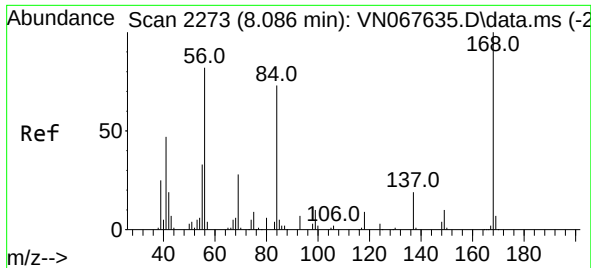
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

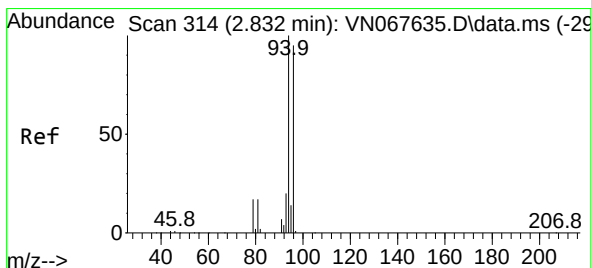
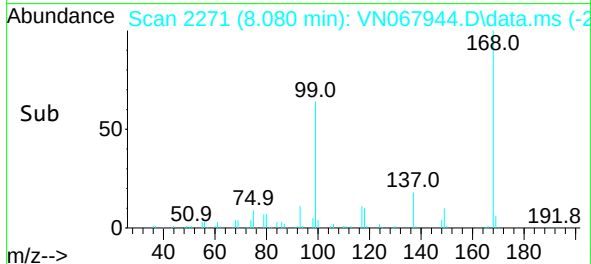
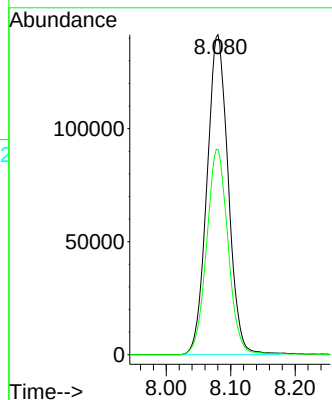
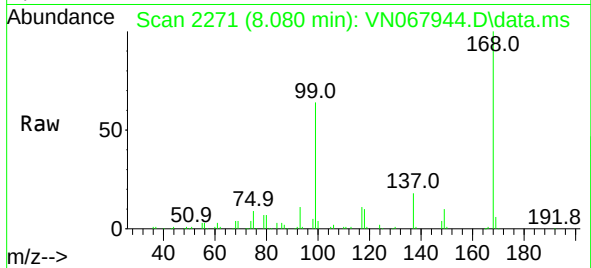




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

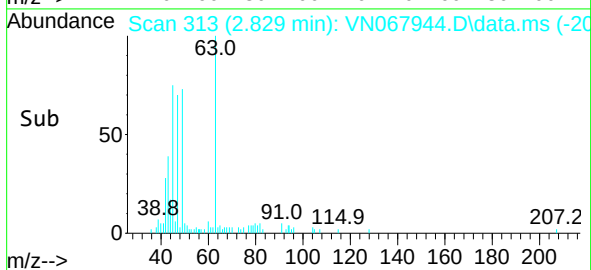
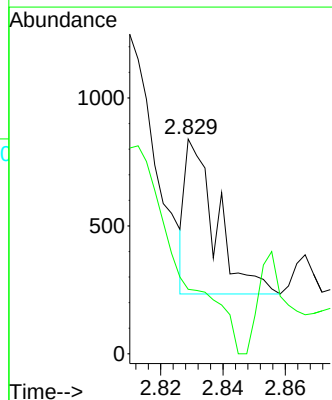
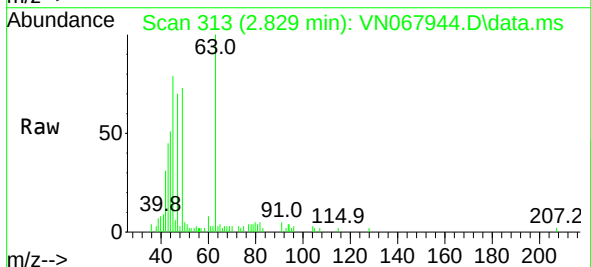
Instrument :
MSVOA_N
ClientSampled :

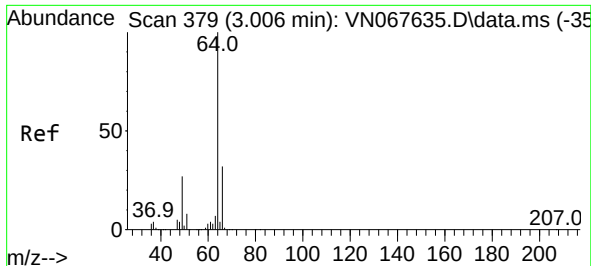
Tgt Ion:168 Resp: 324271
Ion Ratio Lower Upper
168 100
99 64.2 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.829 min Scan# 313
Delta R.T. -0.003 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 4.5 73.7 110.5#

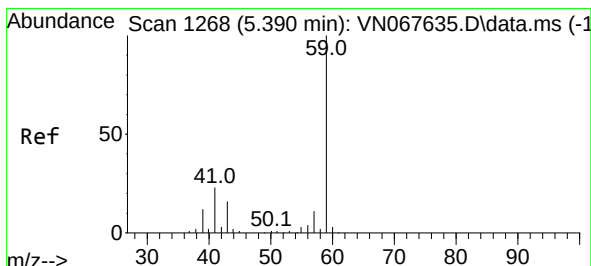
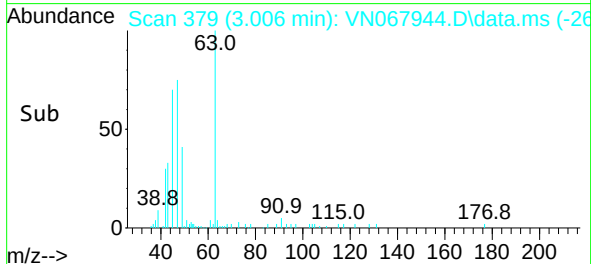
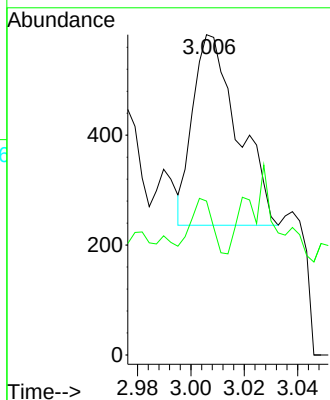
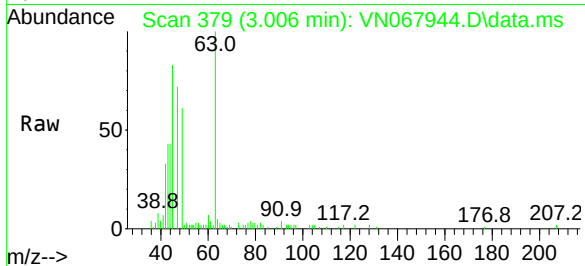




#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

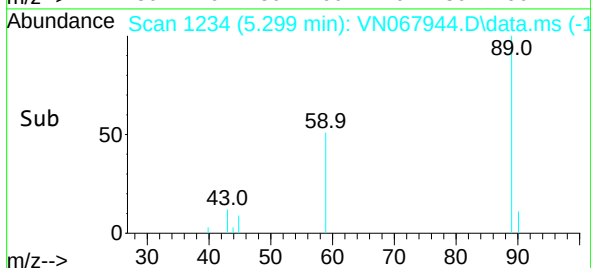
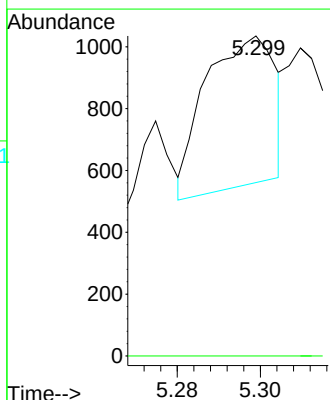
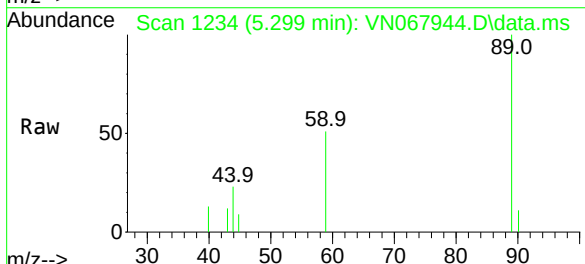
Instrument :
MSVOA_N
ClientSampleId :

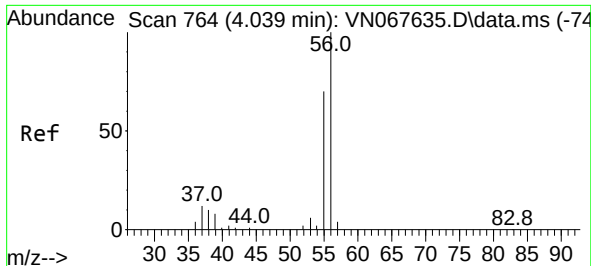
Tgt Ion: 64 Resp: 407
Ion Ratio Lower Upper
64 100
66 23.6 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.802 ug/l
RT: 5.299 min Scan# 1234
Delta R.T. -0.091 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

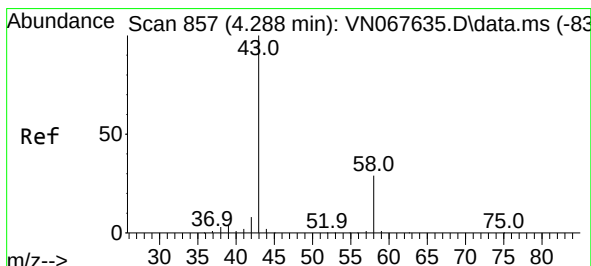
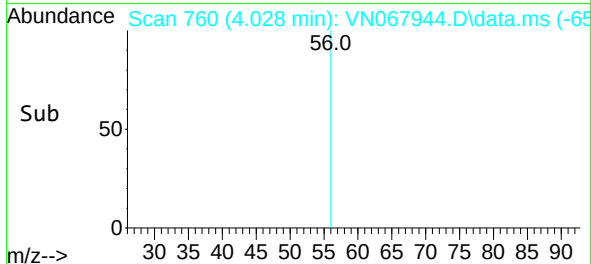
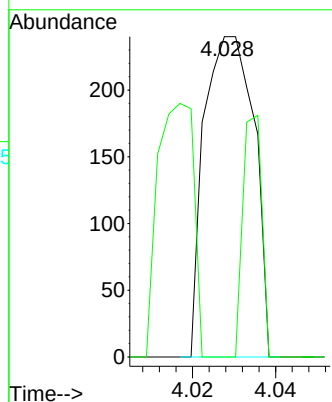
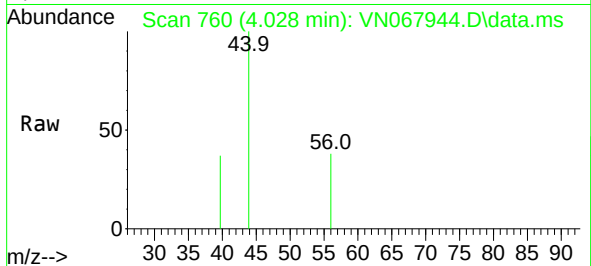




#13
Acrolein
Concen: Below Cal
RT: 4.028 min Scan# 760
Delta R.T. -0.011 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

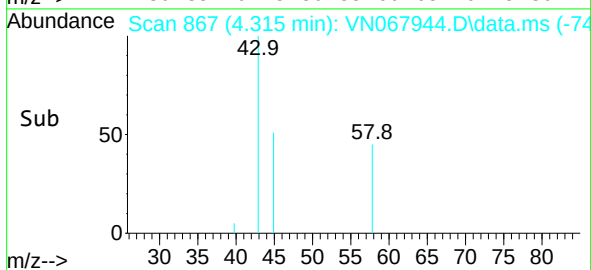
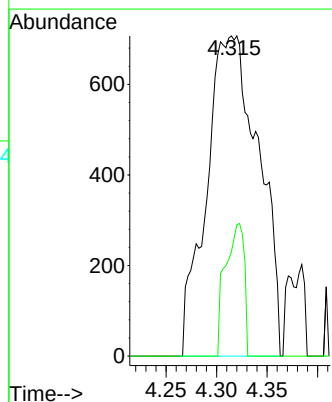
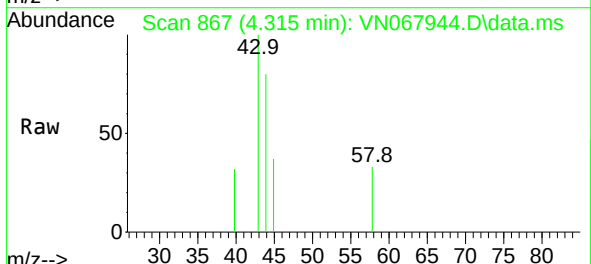
Instrument :
MSVOA_N
ClientSampled :

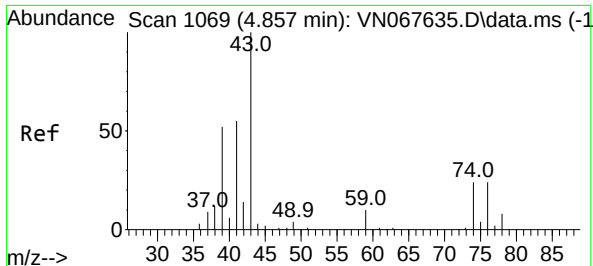
Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 28.6 57.4 86.0#



#16
Acetone
Concen: 1.648 ug/l
RT: 4.315 min Scan# 867
Delta R.T. 0.027 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
58 32.5 21.2 31.8#





#18

Methyl Acetate

Concen: 10.933 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.013 min

Lab File: VN067944.D

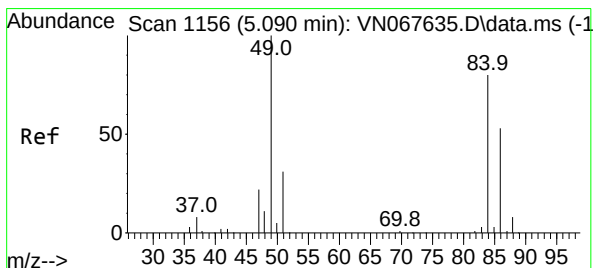
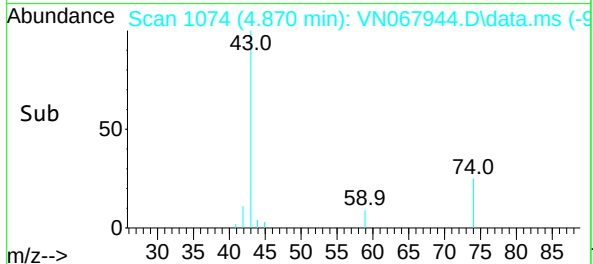
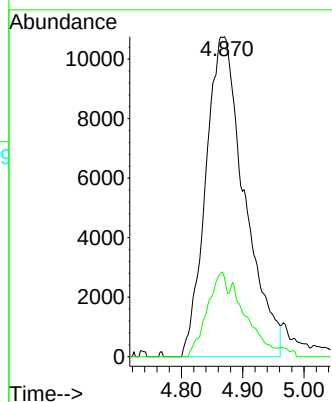
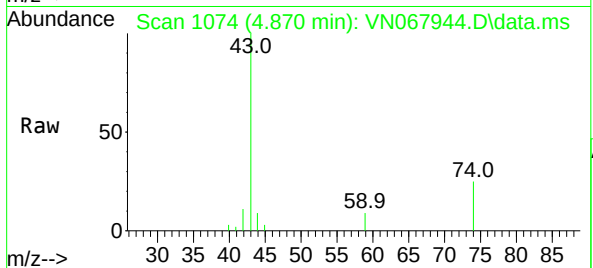
Acq: 27 Jul 2021 21:42

Tgt Ion: 43 Resp: 47353

Ion Ratio Lower Upper

43 100

74 13.2 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.106 min Scan# 1162

Delta R.T. 0.016 min

Lab File: VN067944.D

Acq: 27 Jul 2021 21:42

Tgt Ion: 84 Resp: 256

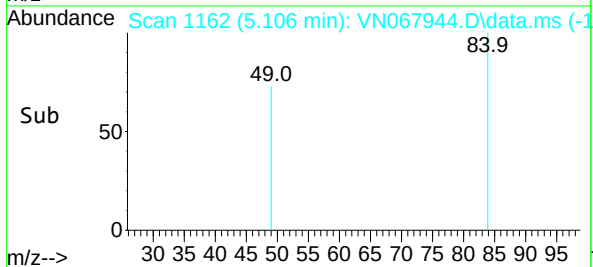
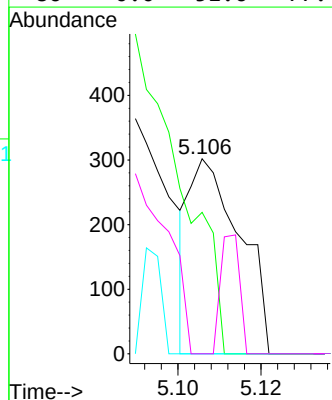
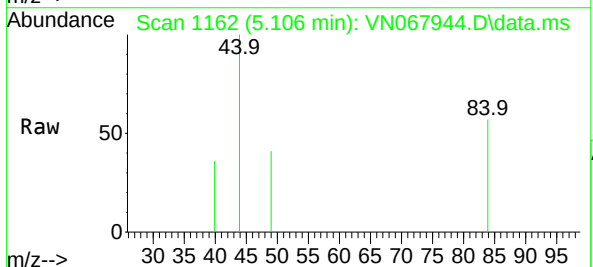
Ion Ratio Lower Upper

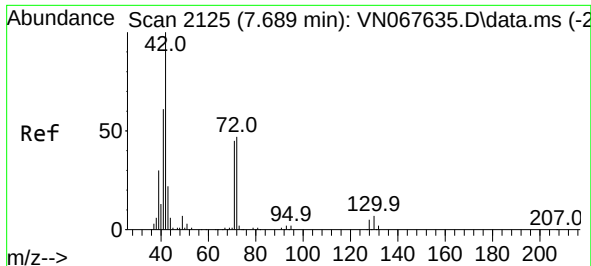
84 100

49 72.5 110.9 166.3#

51 0.0 32.6 49.0#

86 0.0 51.6 77.4#





#29

Tetrahydrofuran

Concen: 1.361 ug/l

RT: 7.702 min Scan# 2130

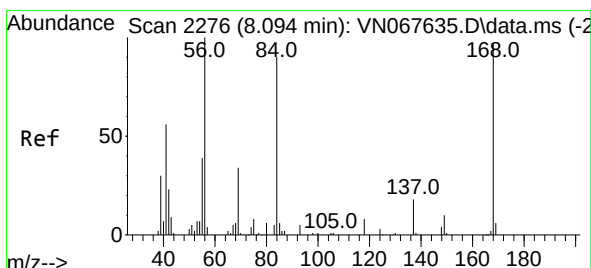
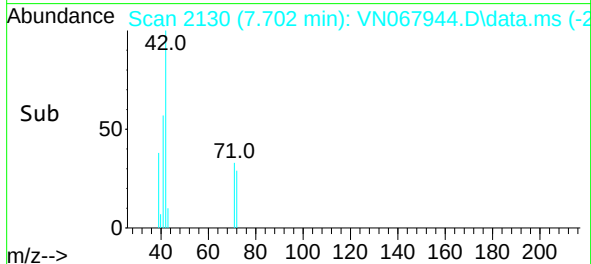
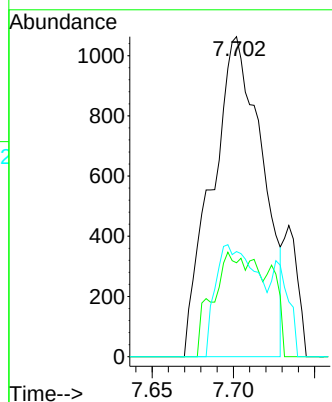
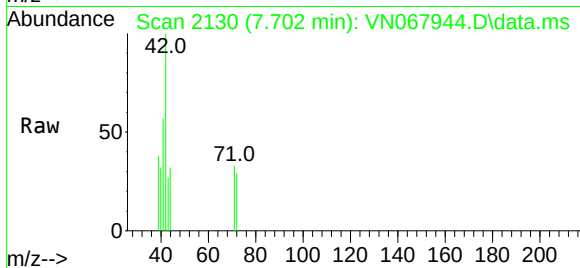
Delta R.T. 0.013 min

Lab File: VN067944.D

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Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42	Resp: 2291
Ion Ratio	Lower Upper
42 100	
72 20.1	32.8 49.2#
71 28.9	31.2 46.8#



#31

Cyclohexane

Concen: 1.226 ug/l

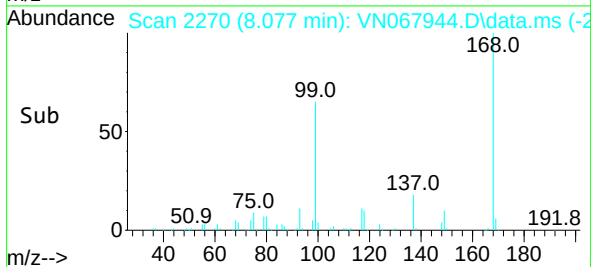
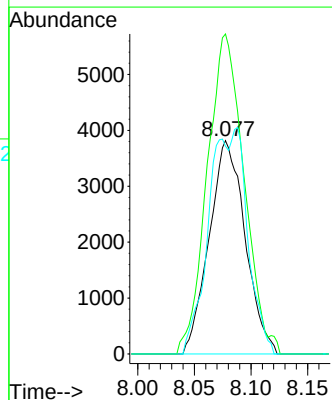
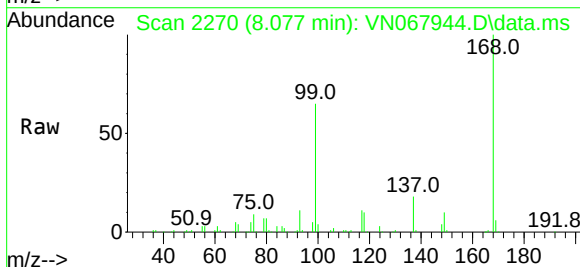
RT: 8.077 min Scan# 2270

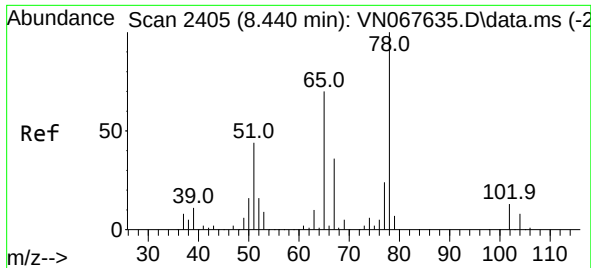
Delta R.T. -0.017 min

Lab File: VN067944.D

Acq: 27 Jul 2021 21:42

Tgt Ion: 56	Resp: 8425
Ion Ratio	Lower Upper
56 100	
69 150.0	27.3 40.9#
84 97.5	64.9 97.3#

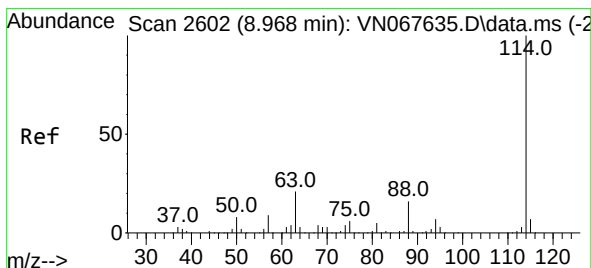
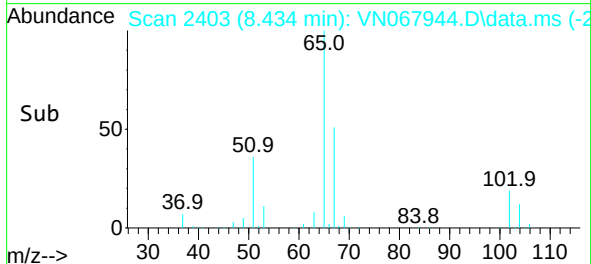
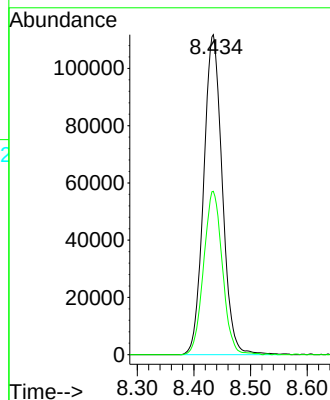
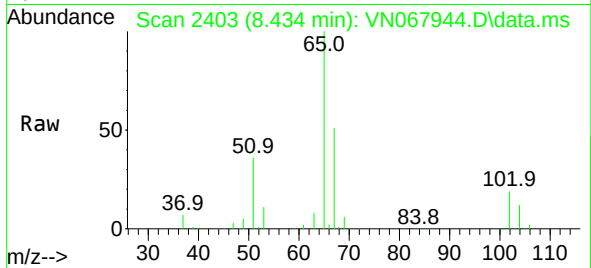




#33
 1,2-Dichloroethane-d4
 Concen: 52.033 ug/l
 RT: 8.434 min Scan# 2403
 Delta R.T. -0.006 min
 Lab File: VN067944.D
 Acq: 27 Jul 2021 21:42

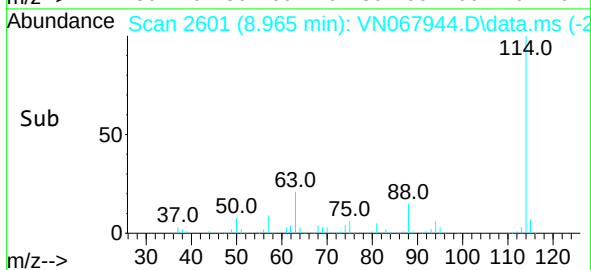
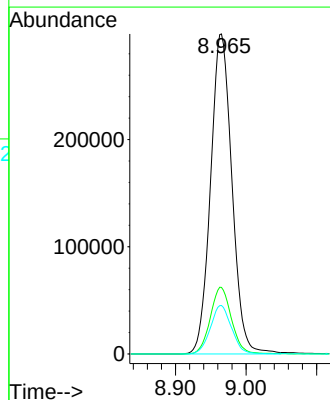
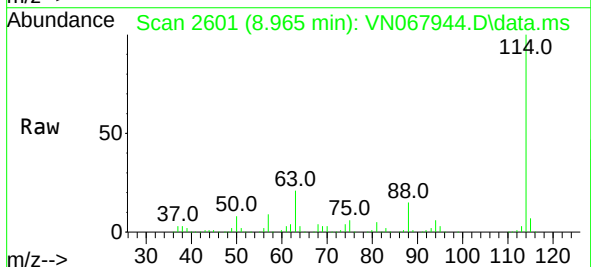
Instrument :
 MSVOA_N
 ClientSampled :

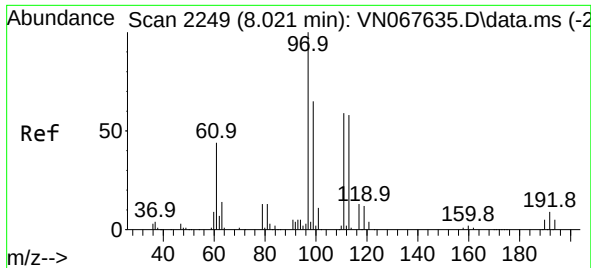
Tgt Ion: 65 Resp: 254998
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN067944.D
 Acq: 27 Jul 2021 21:42

Tgt Ion: 114 Resp: 628595
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 49.0
 88 15.1 0.0 36.6

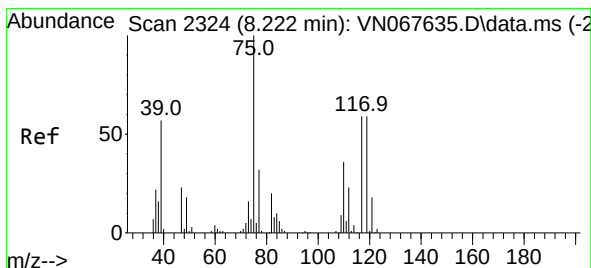
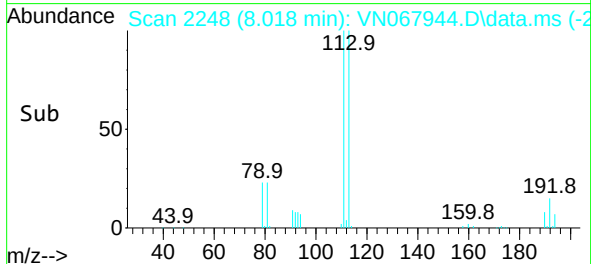
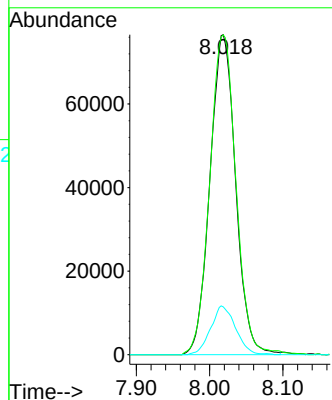
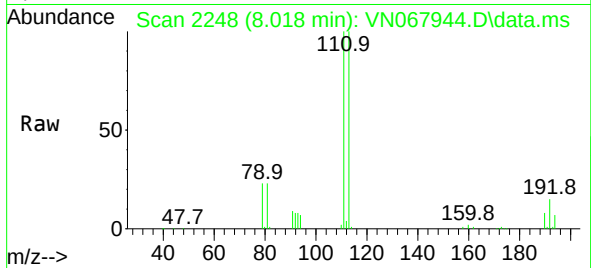




#35
Dibromofluoromethane
Concen: 49.024 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

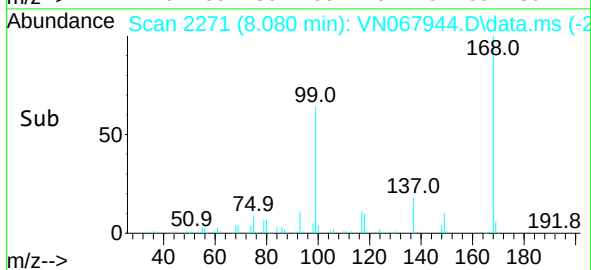
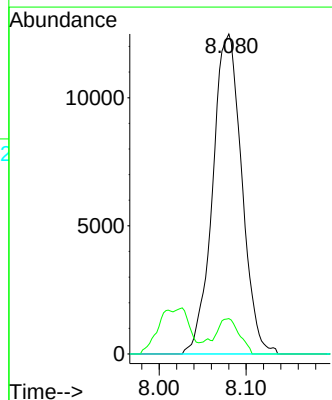
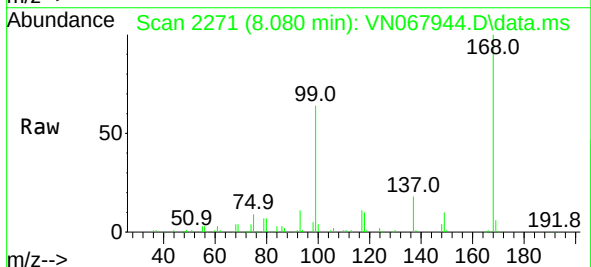
Instrument :
MSVOA_N
ClientSampleId :

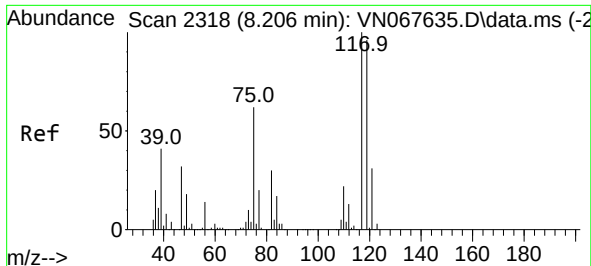
Tgt Ion:113 Resp: 186183
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 14.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

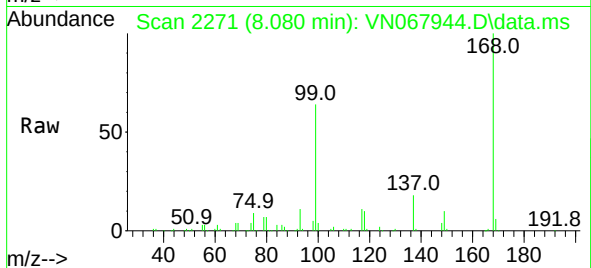
Tgt Ion: 75 Resp: 29058
Ion Ratio Lower Upper
75 100
110 8.1 15.7 47.0#
77 0.0 24.6 37.0#



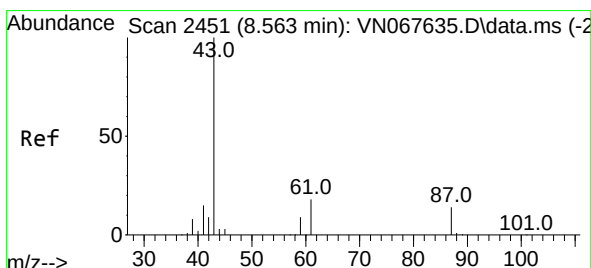
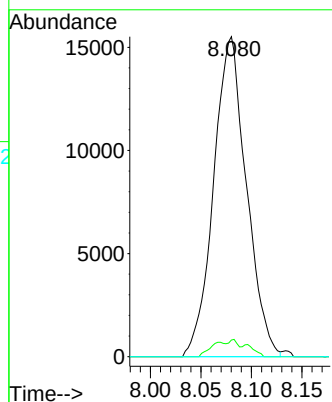
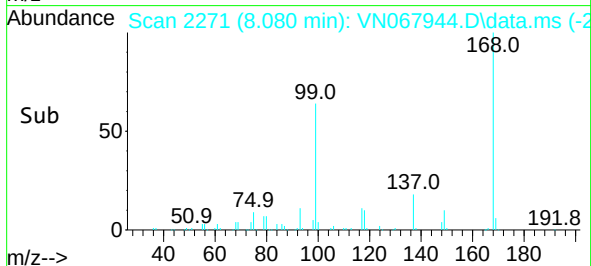


#38
Carbon Tetrachloride
Concen: 6.079 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

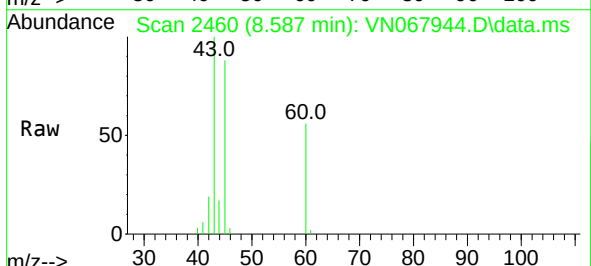
Instrument :
MSVOA_N
ClientSampled :



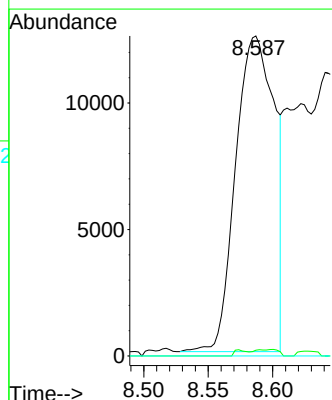
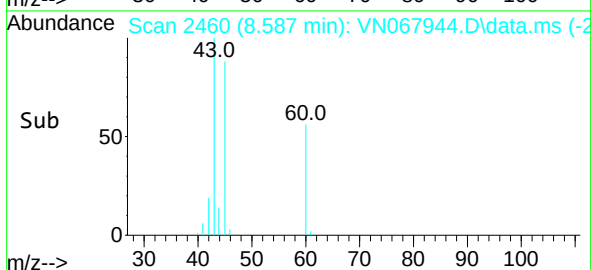
Tgt Ion:117 Resp: 35013
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

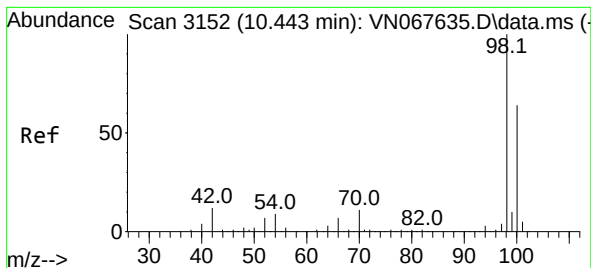


#43
Isopropyl Acetate
Concen: 2.648 ug/l
RT: 8.587 min Scan# 2460
Delta R.T. 0.024 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42



Tgt Ion: 43 Resp: 26352
Ion Ratio Lower Upper
43 100
61 0.6 19.0 28.4#
87 0.0 9.5 14.3#

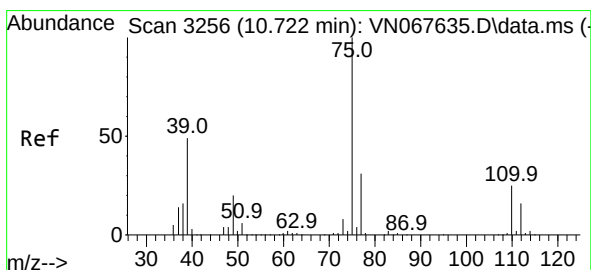
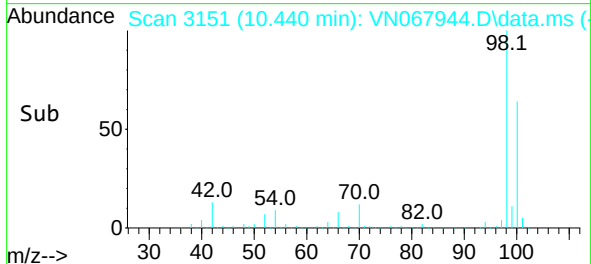
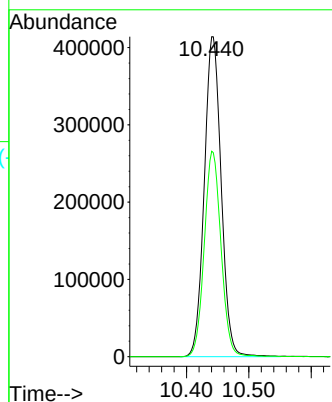
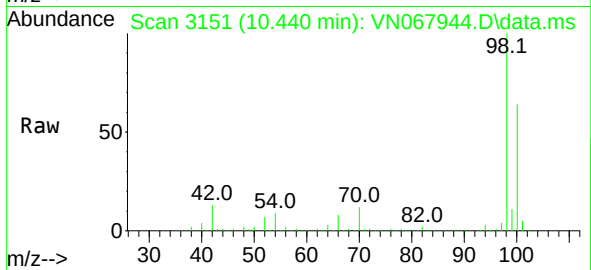




#50
Toluene-d8
Concen: 49.146 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

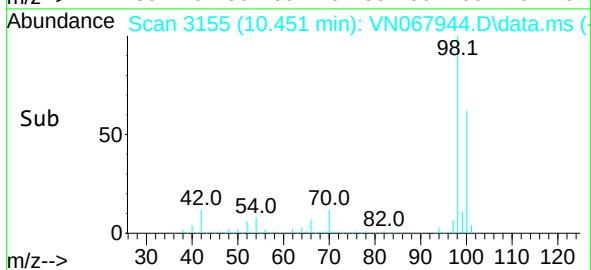
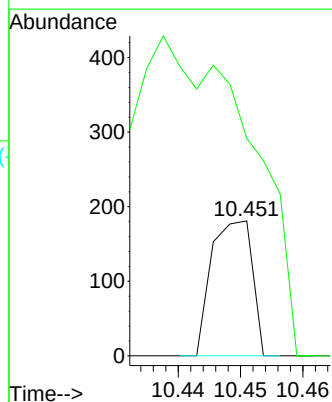
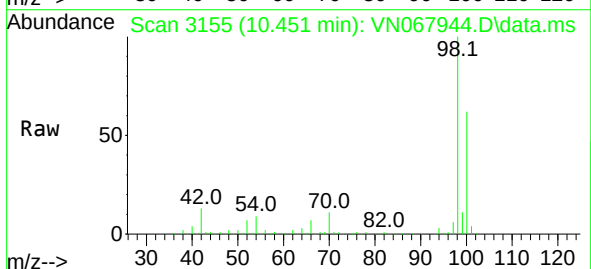
Instrument :
MSVOA_N
ClientSampleId :

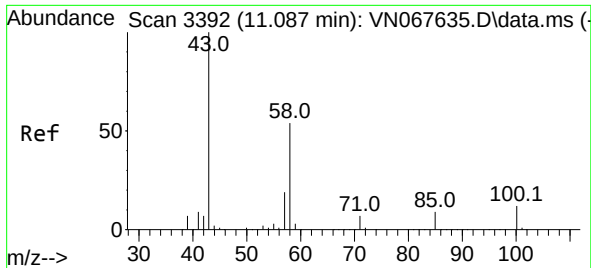
Tgt Ion: 98 Resp: 781257
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.755 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 75 Resp: 82
Ion Ratio Lower Upper
75 100
77 41.4 25.1 37.7#

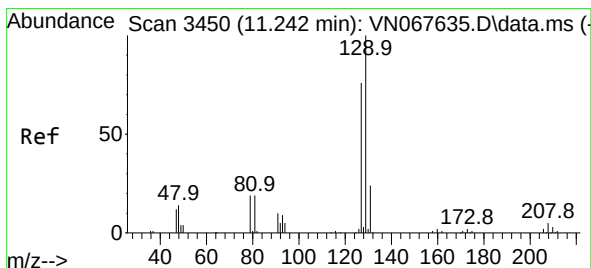
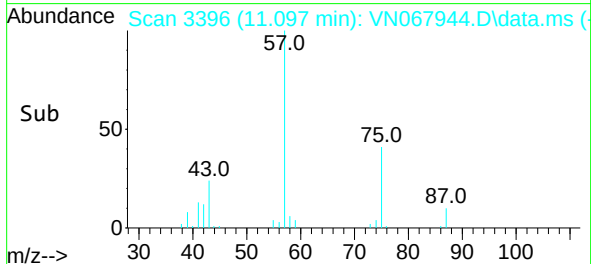
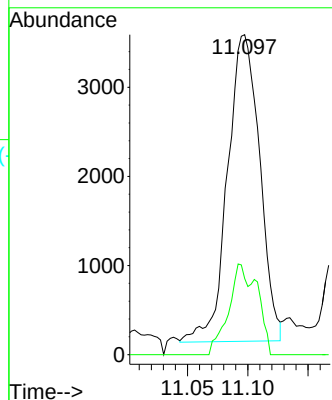
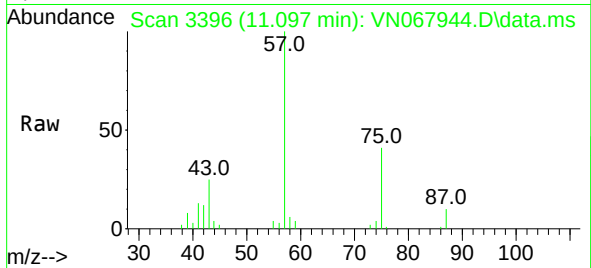




#59
2-Hexanone
Concen: 1.499 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

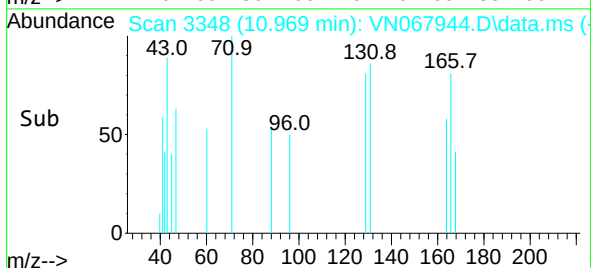
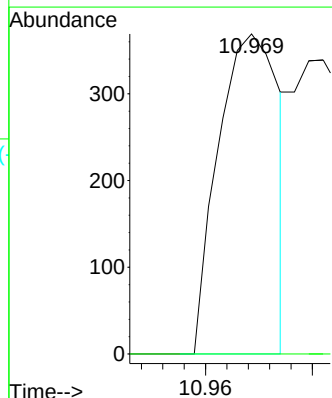
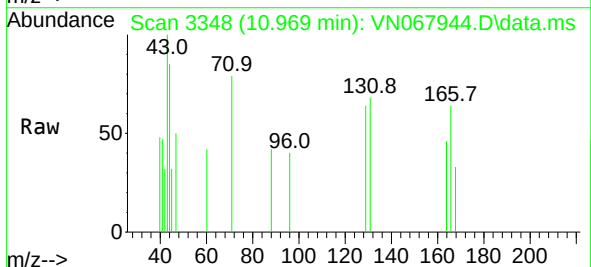
Instrument :
MSVOA_N
ClientSampled :

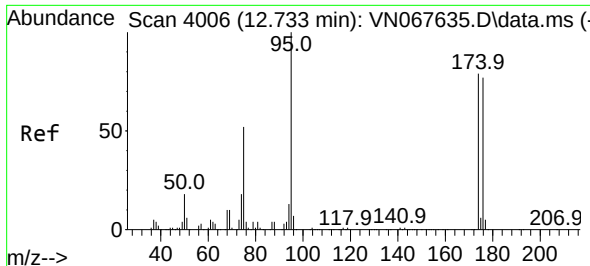
Tgt Ion: 43 Resp: 6399
Ion Ratio Lower Upper
43 100
58 17.1 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.408 ug/l
RT: 10.969 min Scan# 3348
Delta R.T. -0.273 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 129 Resp: 291
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

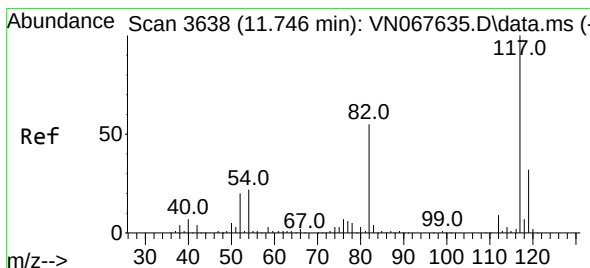
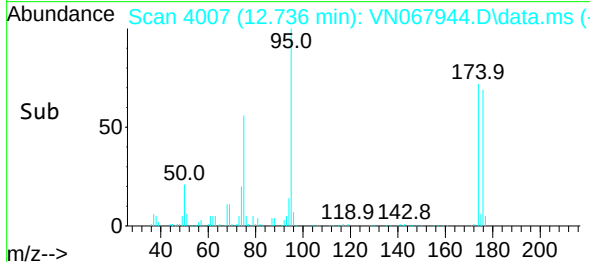
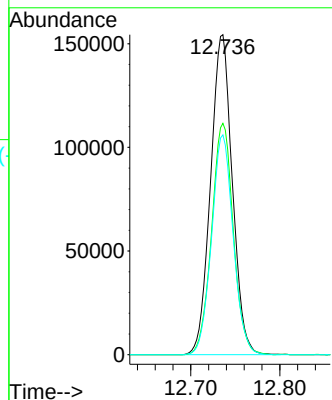
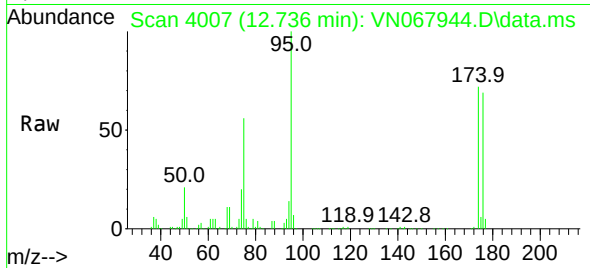




#62
4-Bromofluorobenzene
Concen: 46.680 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

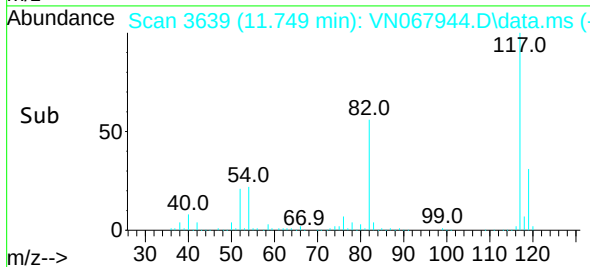
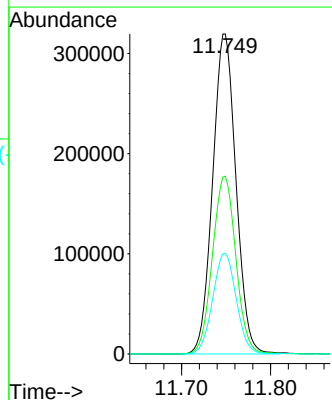
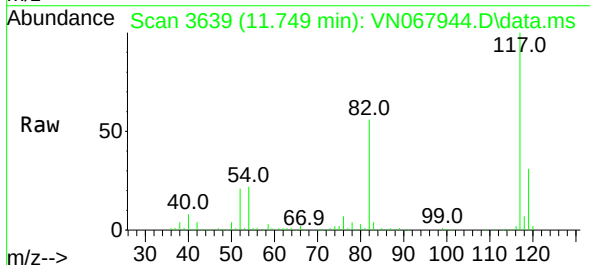
Instrument :
MSVOA_N
ClientSampled :

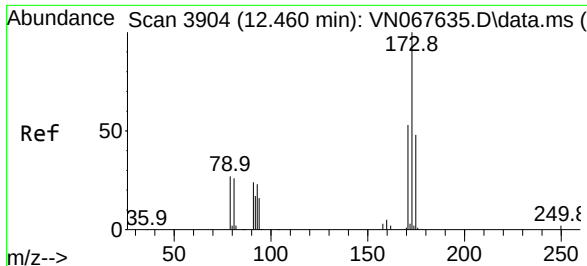
Tgt Ion: 95 Resp: 262135
Ion Ratio Lower Upper
95 100
174 72.1 0.0 122.0
176 68.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 117 Resp: 580823
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 31.5 25.5 38.3

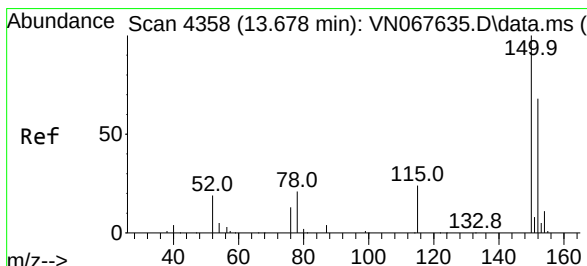
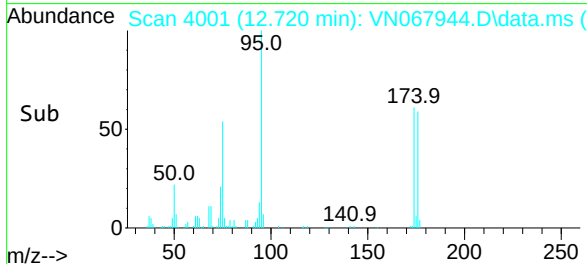
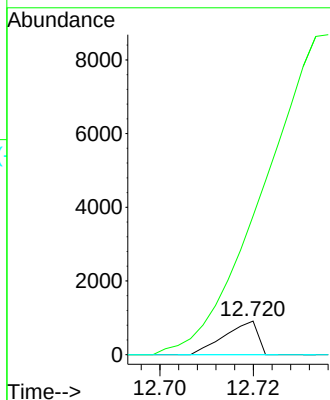
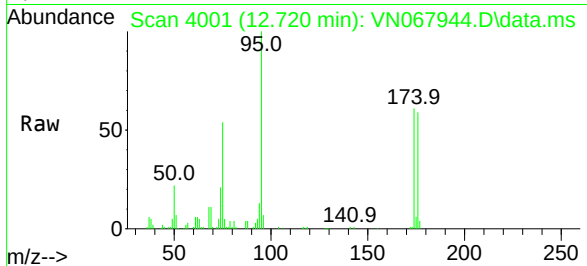




#71
Bromoform
Concen: 3.289 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

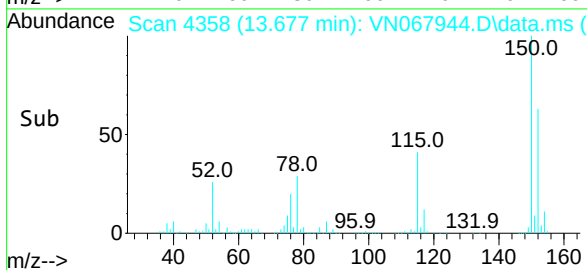
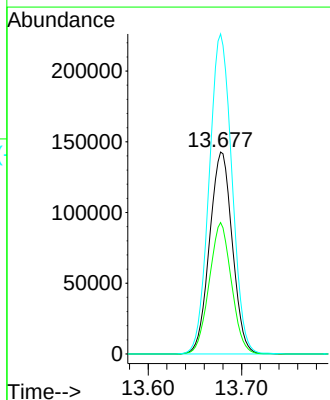
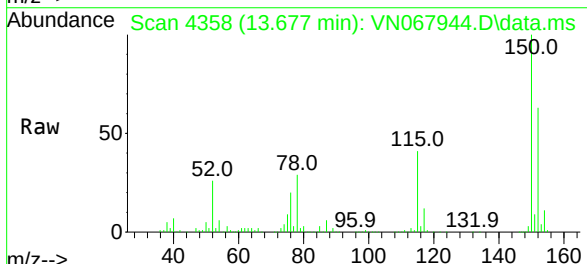
Instrument :
MSVOA_N
ClientSampleId :

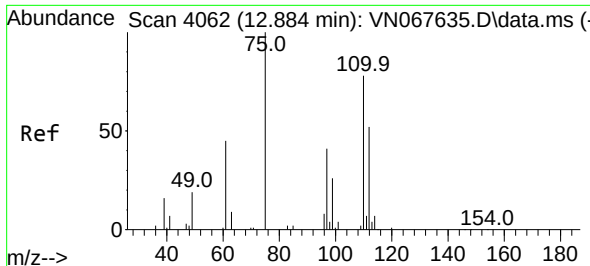
Tgt Ion:173 Resp: 450
Ion Ratio Lower Upper
173 100
175 3051.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion:152 Resp: 242008
Ion Ratio Lower Upper
152 100
115 63.5 36.1 108.5
150 158.3 0.0 351.8

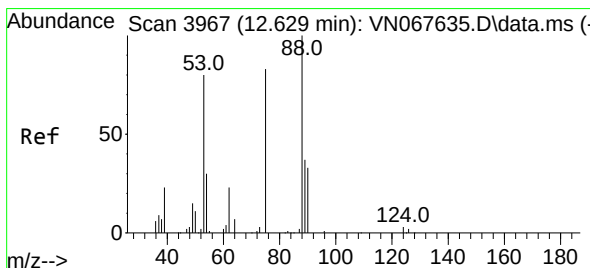
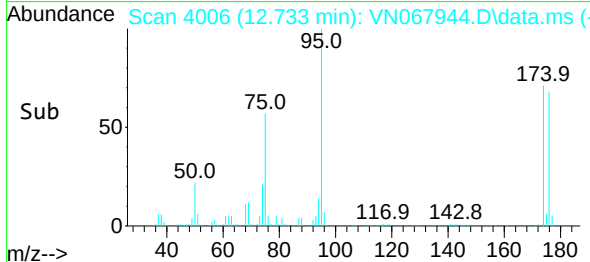
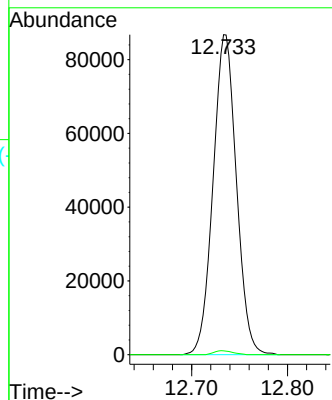
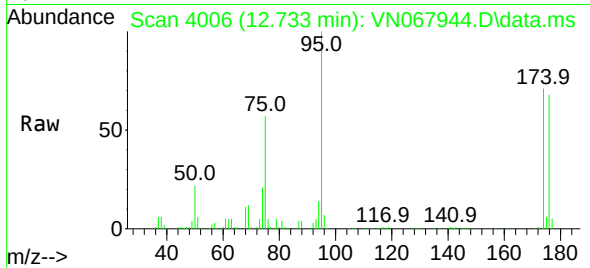




#76
1,2,3-Trichloropropane
Concen: 29.610 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

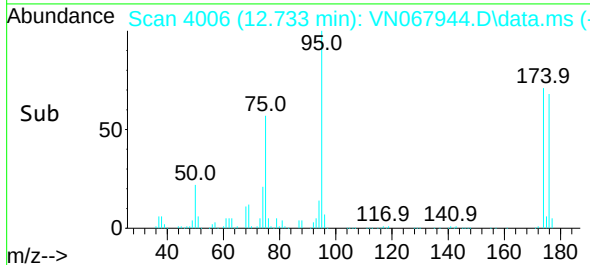
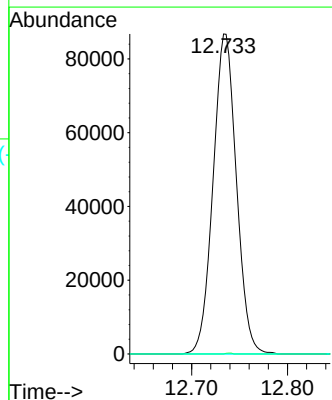
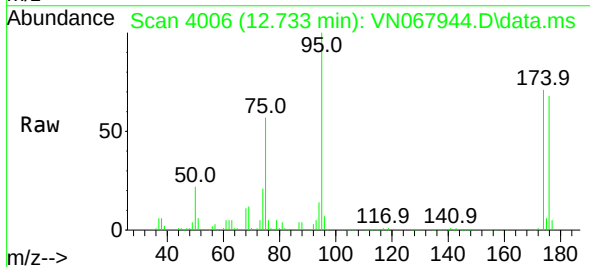
Instrument :
MSVOA_N
ClientSampled :

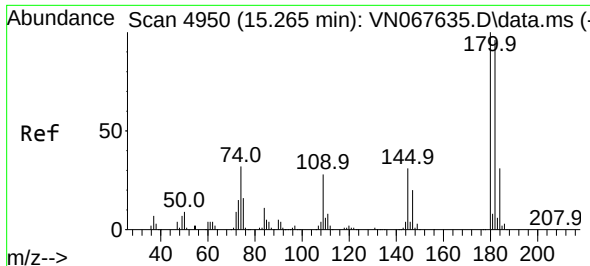
Tgt Ion: 75 Resp: 146340
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.466 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

Tgt Ion: 75 Resp: 146340
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

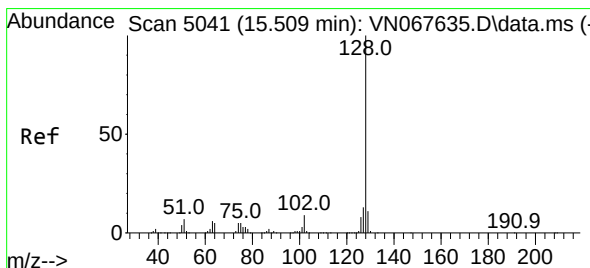
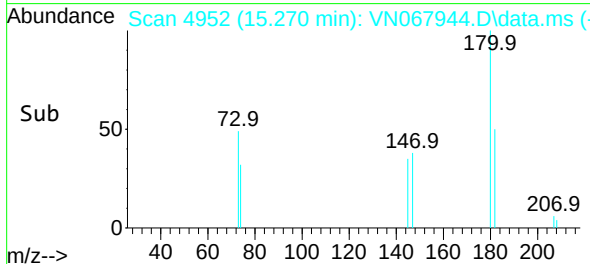
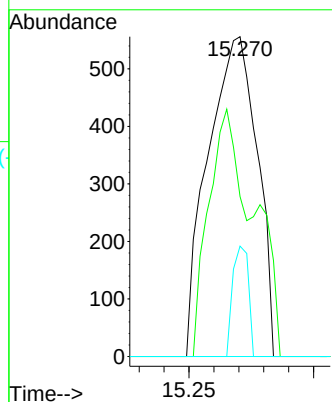
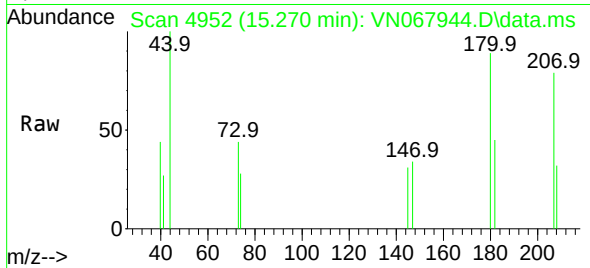




#93
1,2,4-Trichlorobenzene
Concen: 2.853 ug/l
RT: 15.270 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

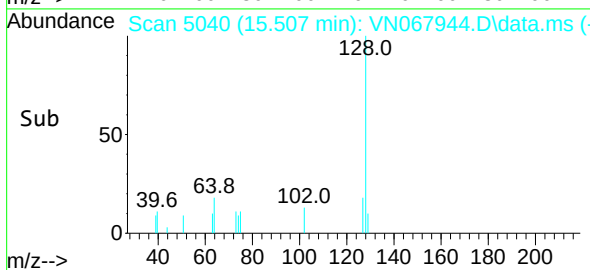
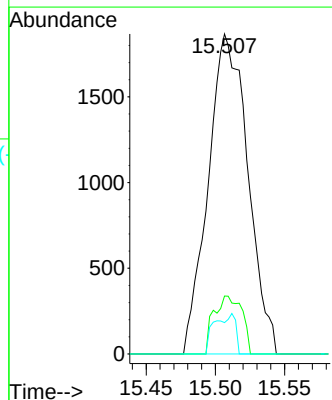
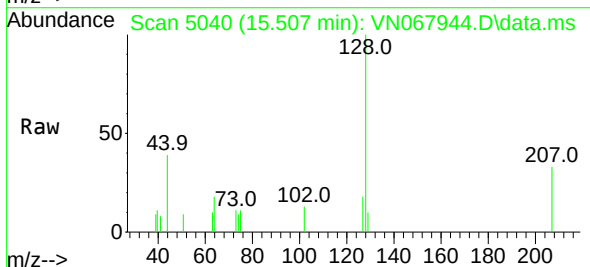
Instrument :
MSVOA_N
ClientSampled :

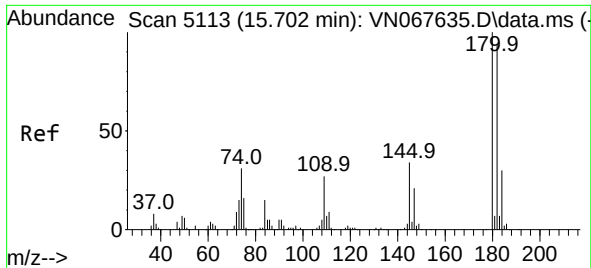
Tgt Ion:180 Resp: 763
Ion Ratio Lower Upper
180 100
182 70.5 47.5 142.5
145 11.0 17.2 51.6#



#95
Naphthalene
Concen: 3.307 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067944.D
Acq: 27 Jul 2021 21:42

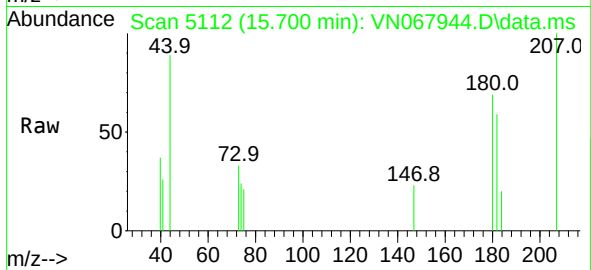
Tgt Ion:128 Resp: 3716
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 6.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.798 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067944.D
 Acq: 27 Jul 2021 21:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 675
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.8 143.3
 145 13.0 18.2 54.6#

