

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067986.D
 Acq On : 3 Aug 2021 17:00
 Operator : JC/MD
 Sample : M3241-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 04 03:40:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

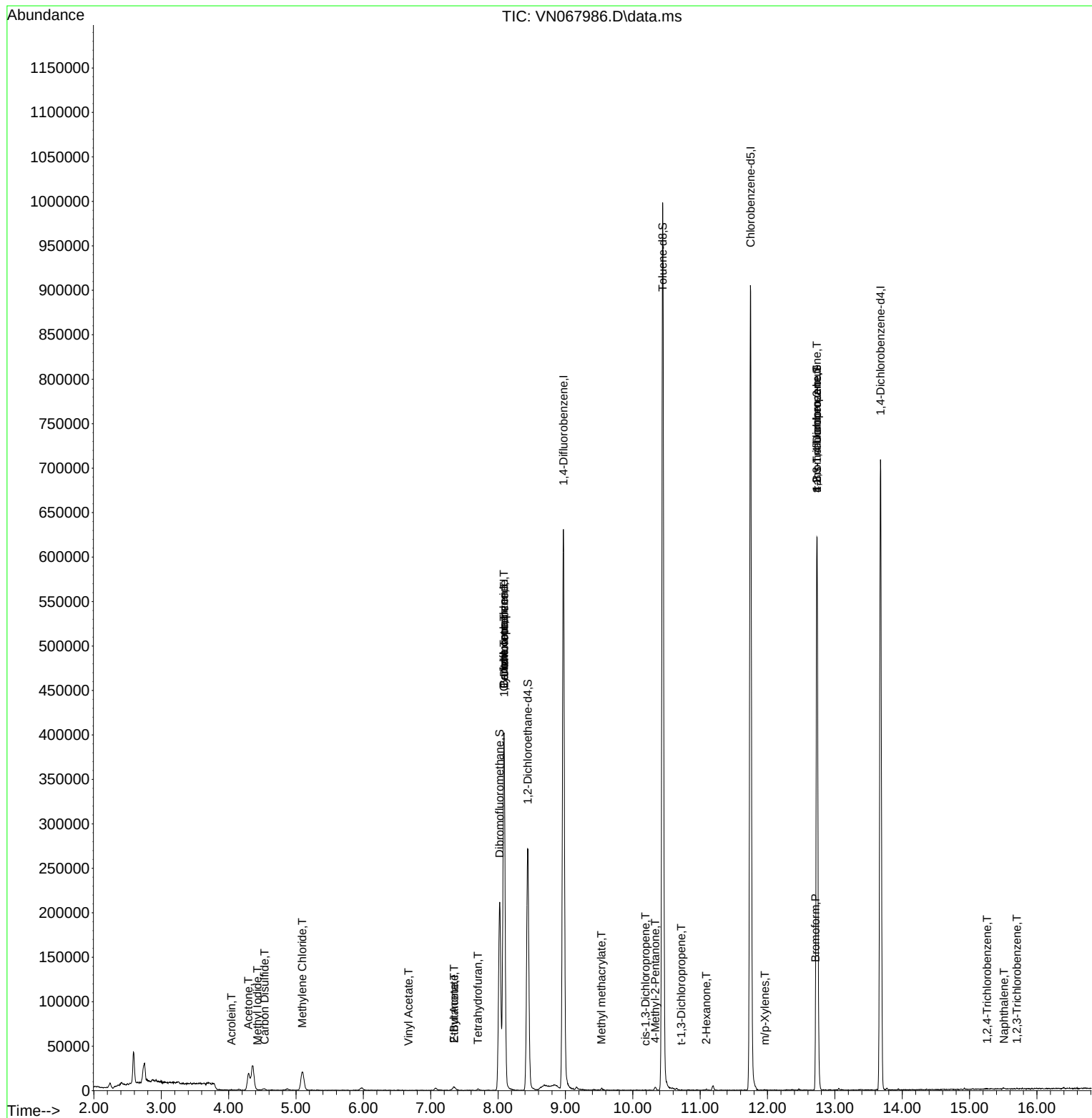
Internal Standards						
1) Pentafluorobenzene	8.088	168	292183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	556999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	529761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	183170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232847	56.293	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	112.580%
35) Dibromofluoromethane	8.024	113	155409	47.876	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.760%
50) Toluene-d8	10.443	98	702275	47.119	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.240%
62) 4-Bromofluorobenzene	12.733	95	230954	42.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	85.800%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.427	142	26	3.128	ug/l #	33
13) Acrolein	4.041	56	322	0.856	ug/l #	46
16) Acetone	4.293	43	36082	23.907	ug/l	99
17) Carbon Disulfide	4.532	76	3387	0.422	ug/l #	74
20) Methylene Chloride	5.093	84	16691	4.531	ug/l	86
23) Vinyl Acetate	6.670	43	35	8.804	ug/l #	75
25) 2-Butanone	7.348	43	5555	2.537	ug/l	96
29) Tetrahydrofuran	7.699	42	428	0.305	ug/l #	78
31) Cyclohexane	8.086	56	7447	1.220	ug/l #	5
36) 1,1-Dichloropropene	8.091	75	26037	5.054	ug/l #	45
37) Ethyl Acetate	7.348	43	5555	1.146	ug/l #	69
38) Carbon Tetrachloride	8.088	117	32229	6.361	ug/l #	17
48) Methyl methacrylate	9.534	41	394	2.398	ug/l #	39
51) 4-Methyl-2-Pentanone	10.336	43	2842	13.025	ug/l #	71
53) t-1,3-Dichloropropene	10.719	75	57	2.841	ug/l #	43
54) cis-1,3-Dichloropropene	10.188	75	24	2.358	ug/l #	27
59) 2-Hexanone	11.089	43	1435	13.612	ug/l #	47
68) m/p-Xylenes	11.964	106	93	4.073	ug/l	91
71) Bromoform	12.712	173	69	4.050	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	127385	34.629	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	127385	92.759	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	80	2.495	ug/l #	57
95) Naphthalene	15.512	128	1460	3.299	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.702	180	164	2.429	ug/l #	58

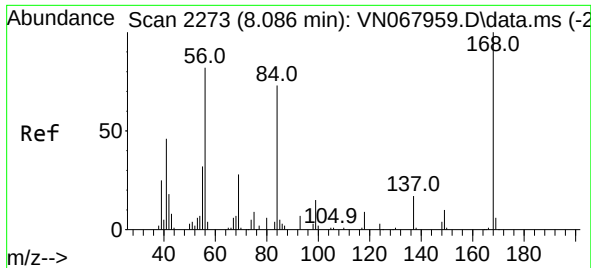
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

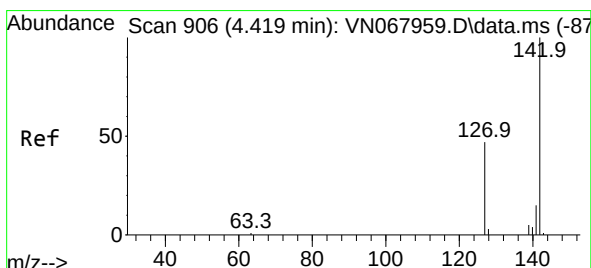
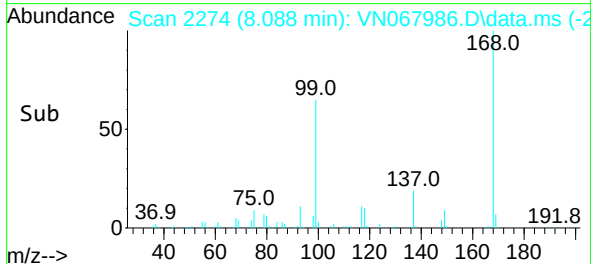
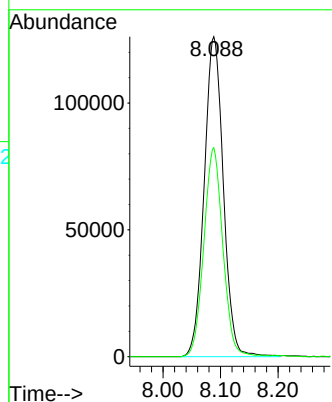
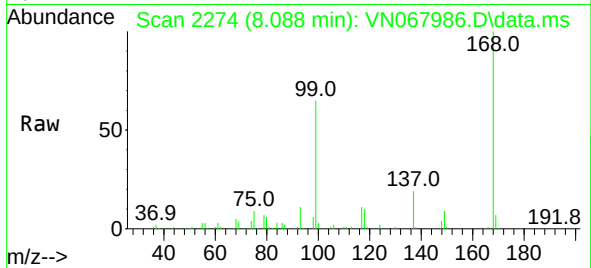




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

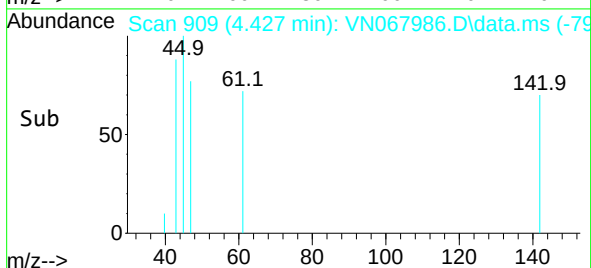
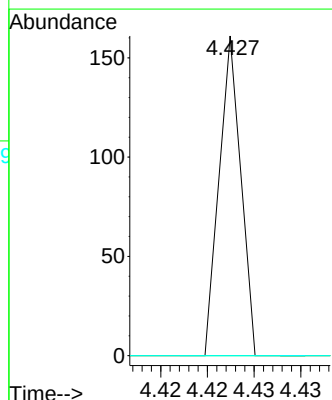
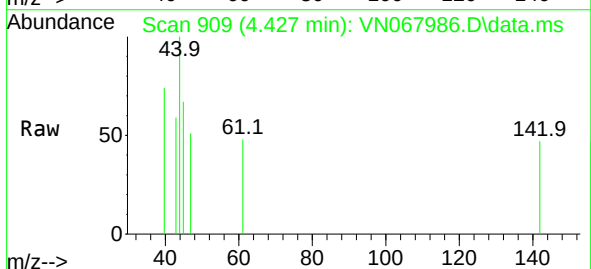
Instrument :
MSVOA_N
ClientSampled :

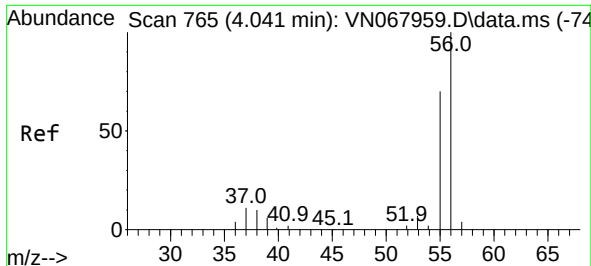
Tgt Ion:168 Resp: 292183
Ion Ratio Lower Upper
168 100
99 65.3 62.9 94.3



#10
Methyl Iodide
Concen: 3.128 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.008 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion:142 Resp: 26
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

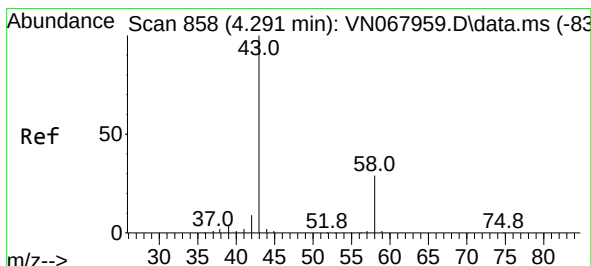
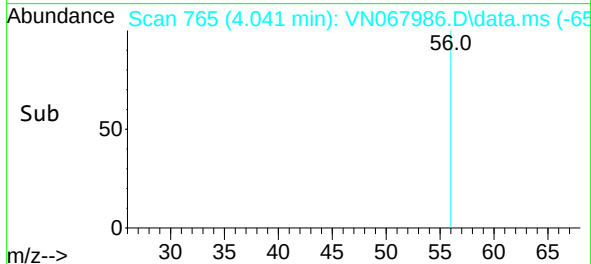
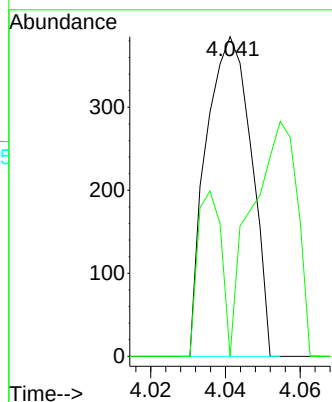
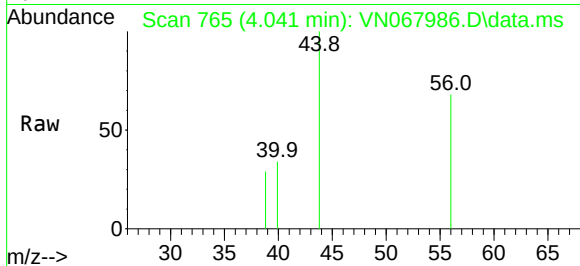




#13
Acrolein
Concen: 0.856 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

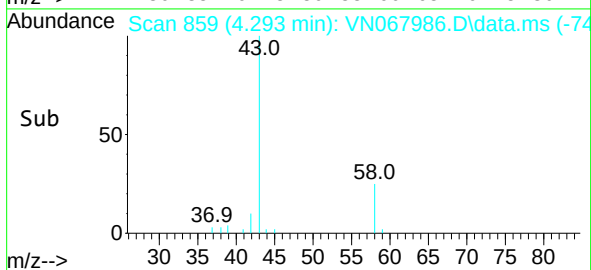
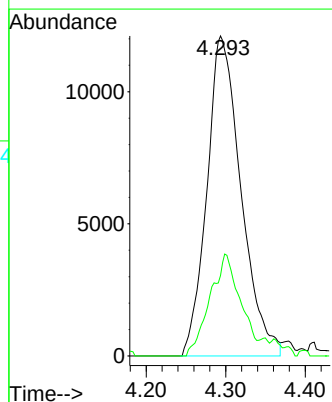
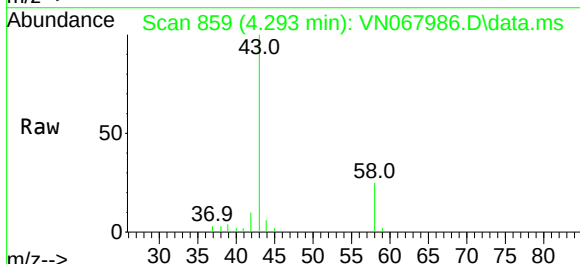
Instrument :
MSVOA_N
ClientSampled :

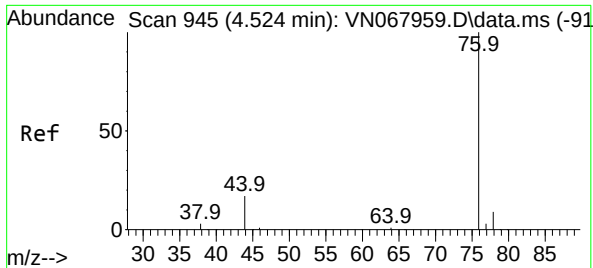
Tgt Ion: 56 Resp: 322
Ion Ratio Lower Upper
56 100
55 27.0 57.4 86.0#



#16
Acetone
Concen: 23.907 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

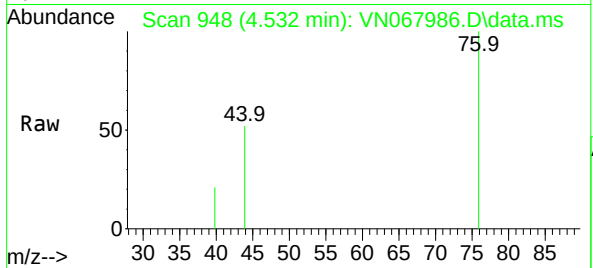
Tgt Ion: 43 Resp: 36082
Ion Ratio Lower Upper
43 100
58 26.2 21.2 31.8



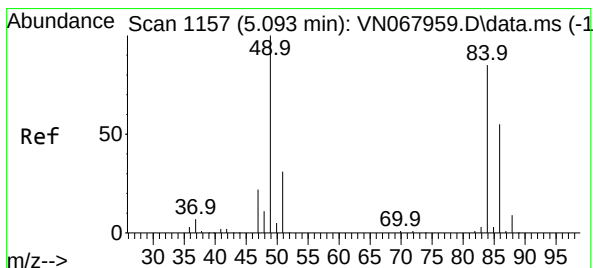
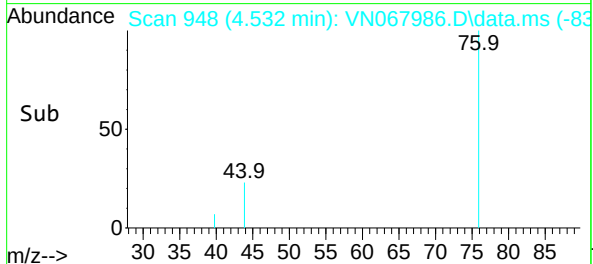
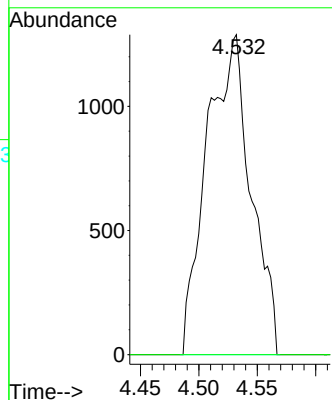


#17
Carbon Disulfide
Concen: 0.422 ug/l
RT: 4.532 min Scan# 948
Delta R.T. 0.008 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Instrument :
MSVOA_N
ClientSampled :

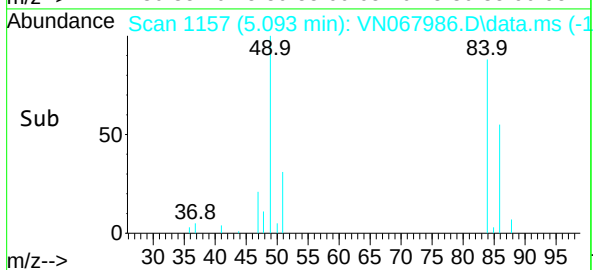
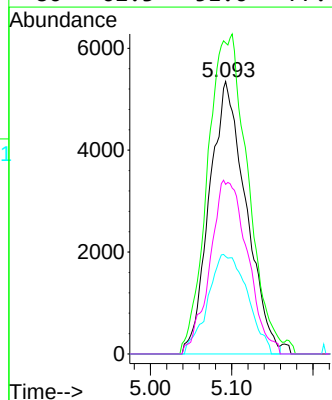
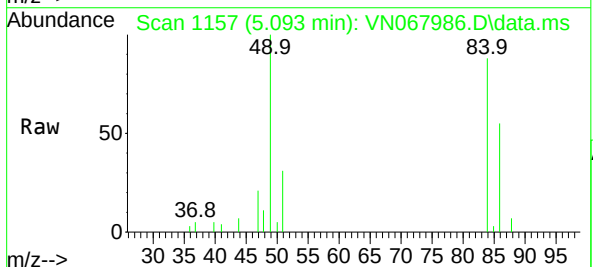


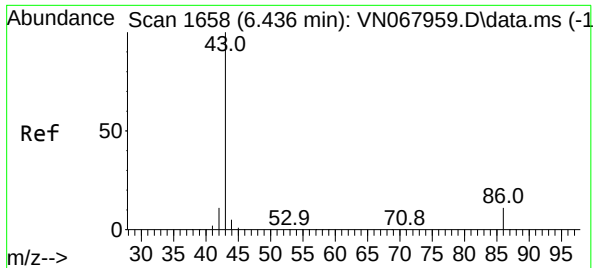
Tgt Ion: 76 Resp: 3387
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: 4.531 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion: 84 Resp: 16691
Ion Ratio Lower Upper
84 100
49 114.2 110.9 166.3
51 35.7 32.6 49.0
86 62.3 51.6 77.4

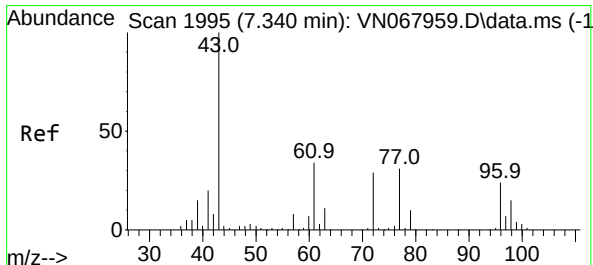
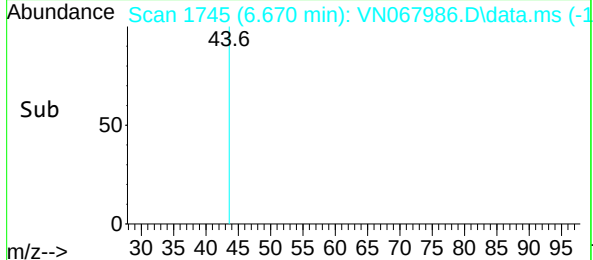
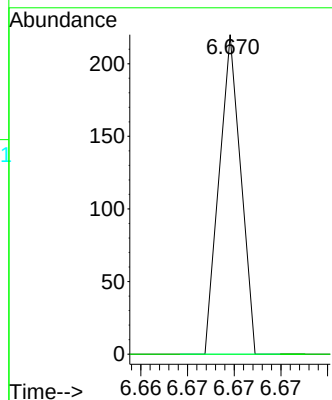
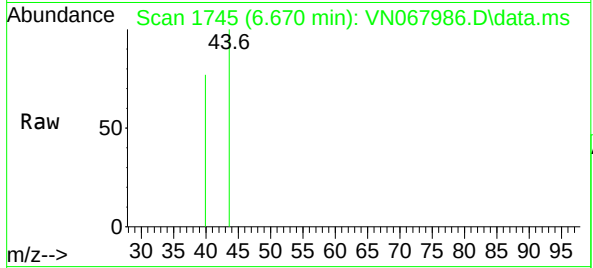




#23
 Vinyl Acetate
 Concen: 8.804 ug/l
 RT: 6.670 min Scan# 1745
 Delta R.T. 0.234 min
 Lab File: VN067986.D
 Acq: 3 Aug 2021 17:00

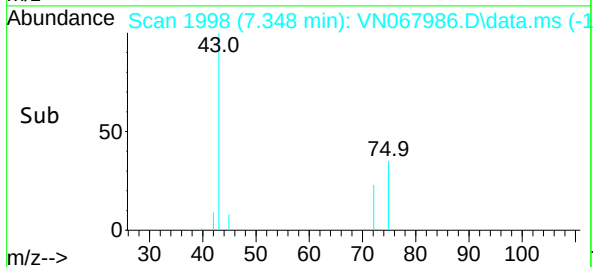
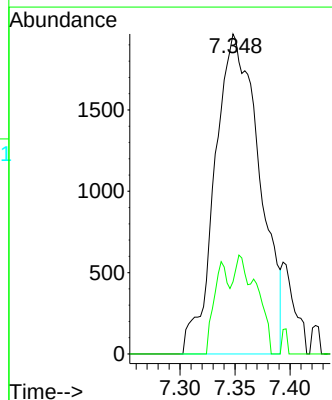
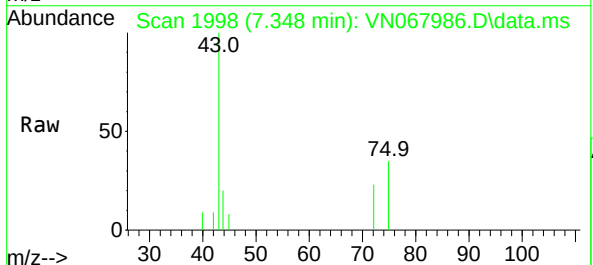
Instrument :
 MSVOA_N
 ClientSampled :

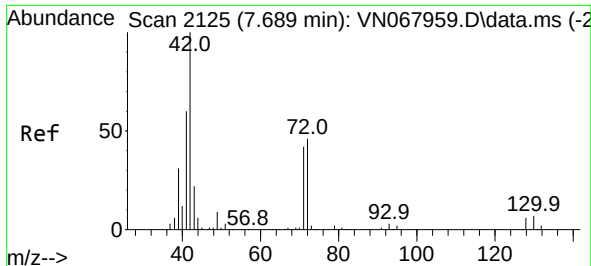
Tgt Ion: 43 Resp: 35
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#25
 2-Butanone
 Concen: 2.537 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. 0.008 min
 Lab File: VN067986.D
 Acq: 3 Aug 2021 17:00

Tgt Ion: 43 Resp: 5555
 Ion Ratio Lower Upper
 43 100
 72 22.6 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.305 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.010 min

Lab File: VN067986.D

Acq: 3 Aug 2021 17:00

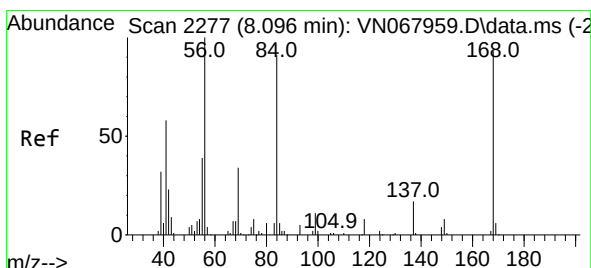
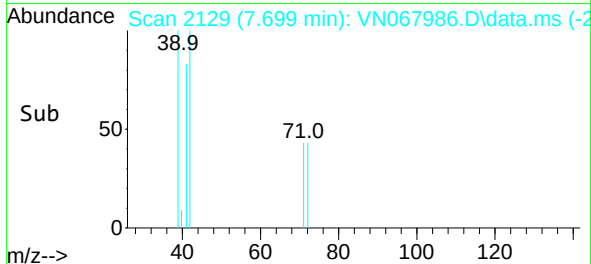
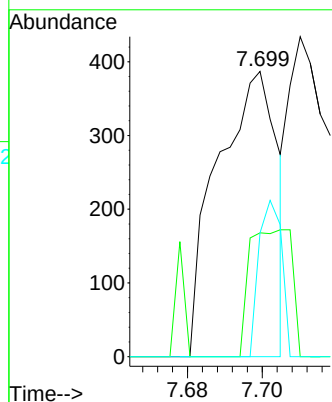
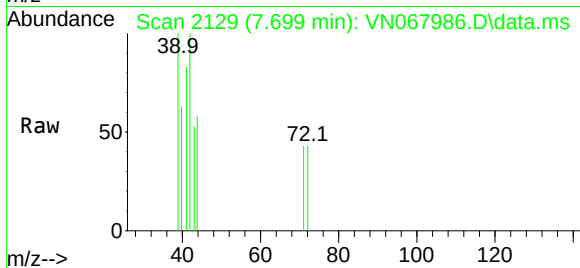
Tgt Ion: 42 Resp: 428

Ion Ratio Lower Upper

42 100

72 31.5 32.8 49.2#

71 21.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN067986.D

Acq: 3 Aug 2021 17:00

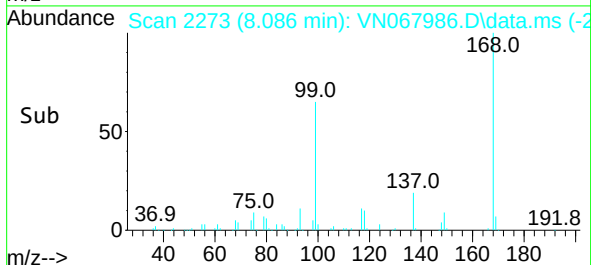
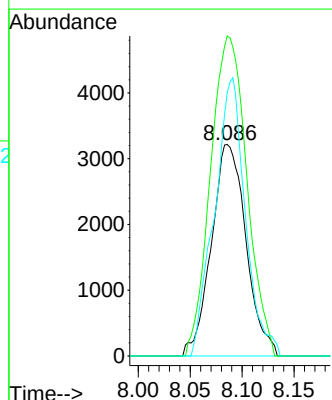
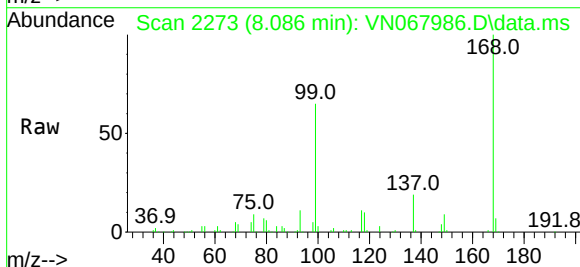
Tgt Ion: 56 Resp: 7447

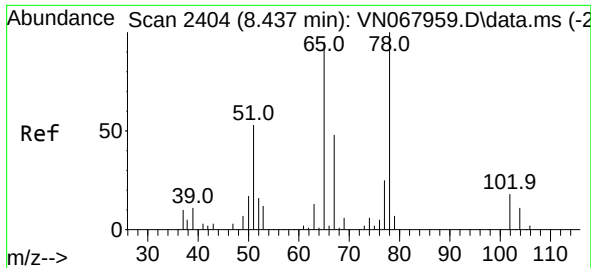
Ion Ratio Lower Upper

56 100

69 151.3 27.3 40.9#

84 124.6 64.9 97.3#

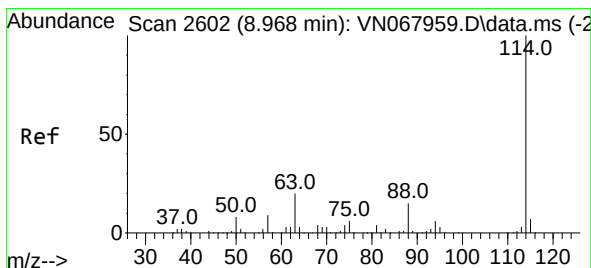
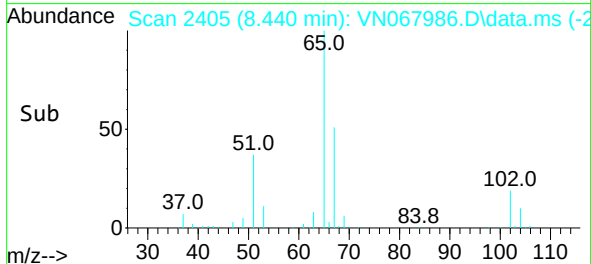
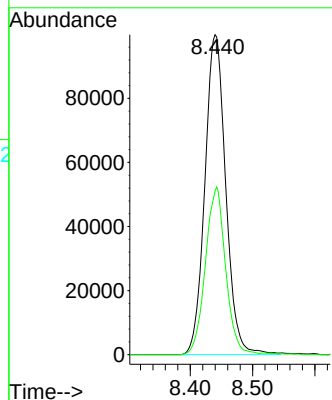
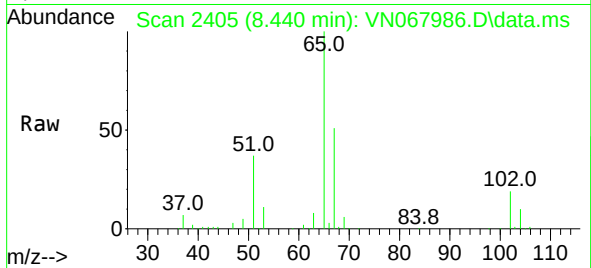




#33
 1,2-Dichloroethane-d4
 Concen: 56.293 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067986.D
 Acq: 3 Aug 2021 17:00

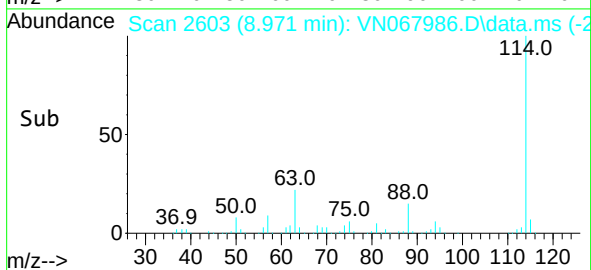
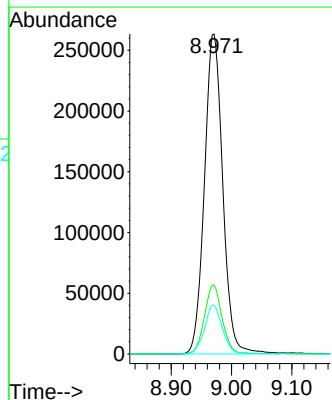
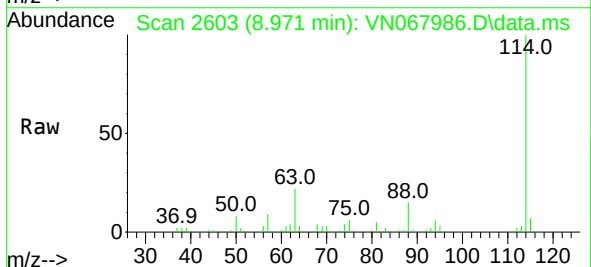
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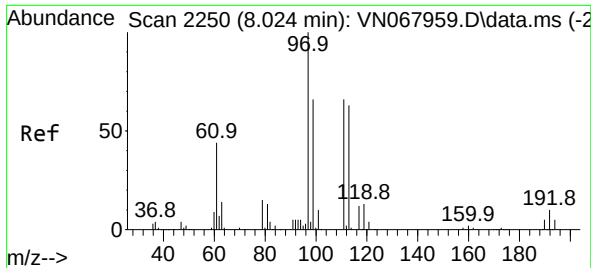
Tgt Ion: 65 Resp: 232847
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067986.D
 Acq: 3 Aug 2021 17:00

Tgt Ion: 114 Resp: 556999
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 49.0
 88 15.2 0.0 36.6

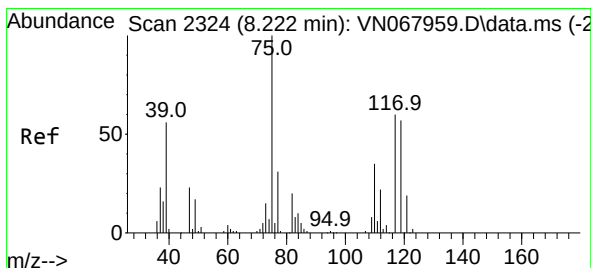
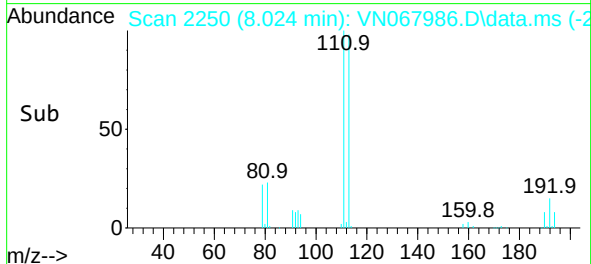
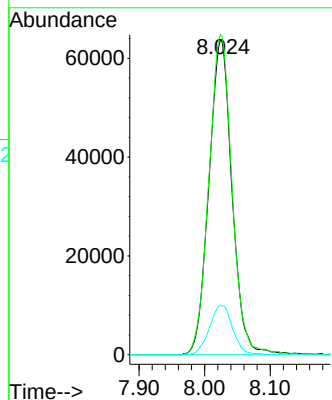
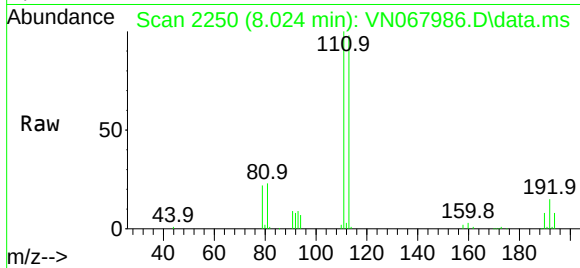




#35
Dibromofluoromethane
Concen: 47.876 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

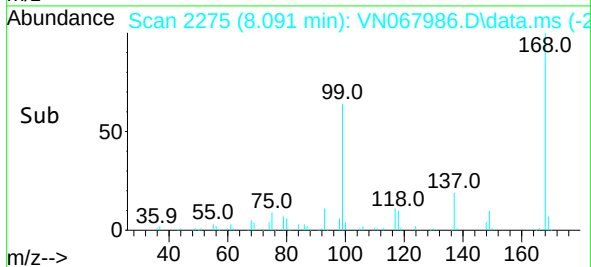
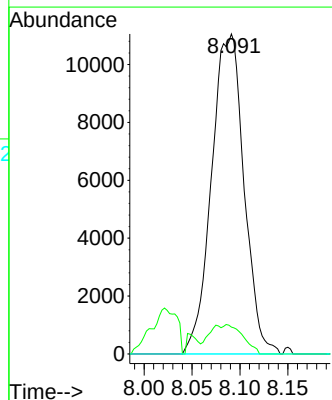
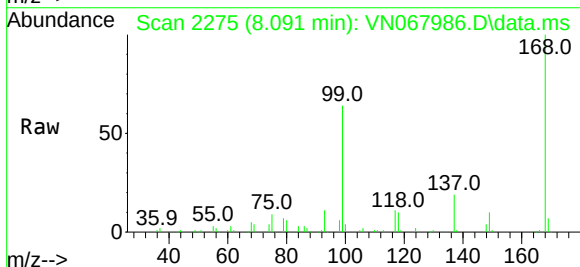
Instrument :
MSVOA_N
ClientSampled :

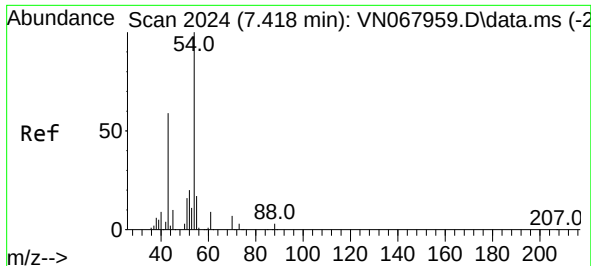
Tgt Ion:113 Resp: 155409
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 15.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.054 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion: 75 Resp: 26037
Ion Ratio Lower Upper
75 100
110 2.1 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.146 ug/l

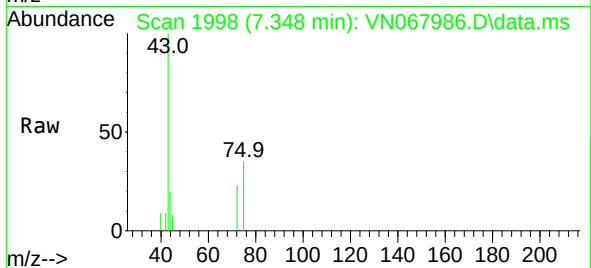
RT: 7.348 min Scan# 1998

Delta R.T. -0.070 min

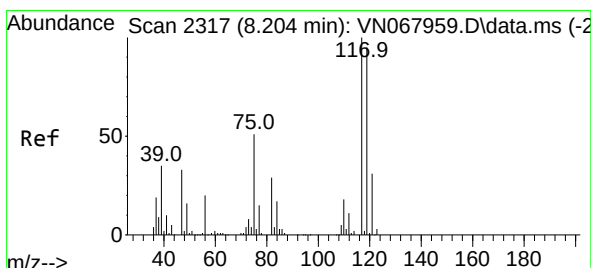
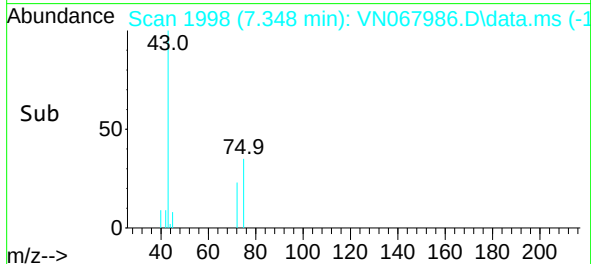
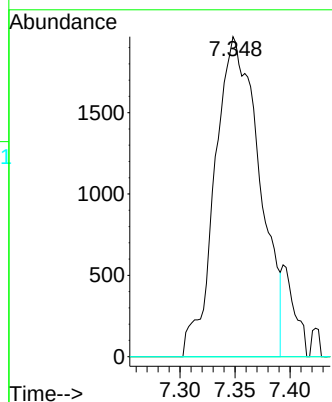
Lab File: VN067986.D

Acq: 3 Aug 2021 17:00

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	5555
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 6.361 ug/l

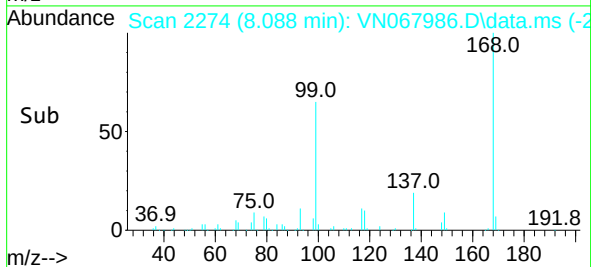
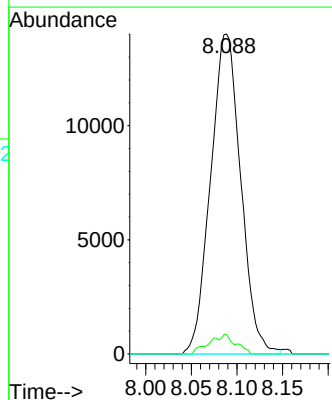
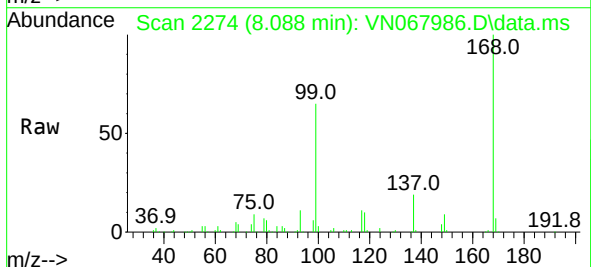
RT: 8.088 min Scan# 2274

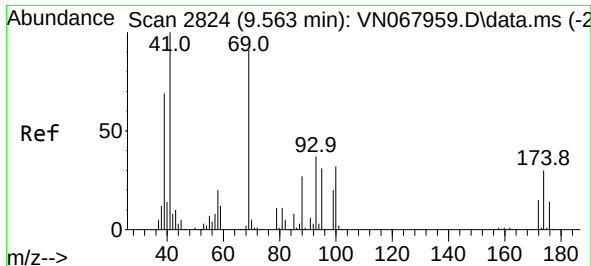
Delta R.T. -0.116 min

Lab File: VN067986.D

Acq: 3 Aug 2021 17:00

Tgt Ion:	117	Resp:	32229
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.4	113.2#
121	0.0	23.5	35.3#

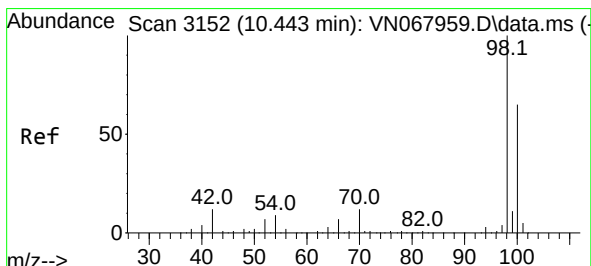
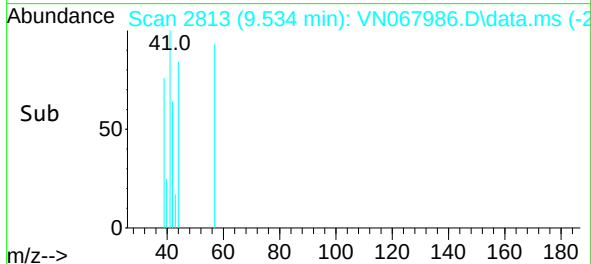
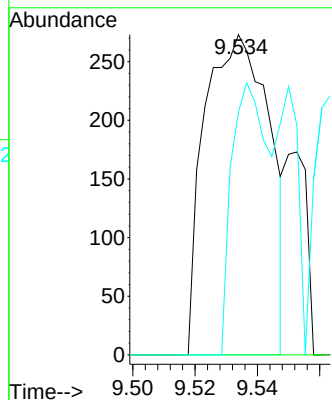
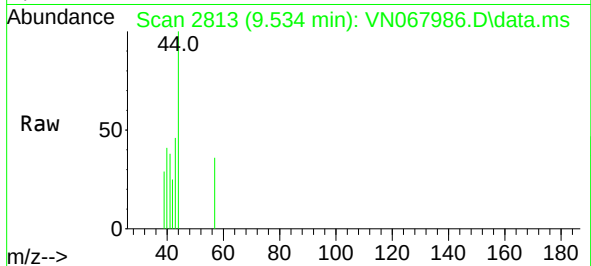




#48
Methyl methacrylate
Concen: 2.398 ug/l
RT: 9.534 min Scan# 2813
Delta R.T. -0.029 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

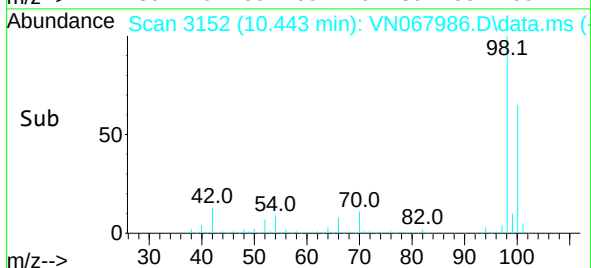
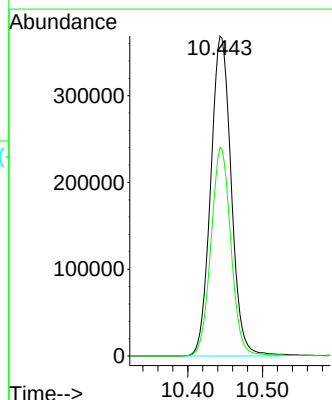
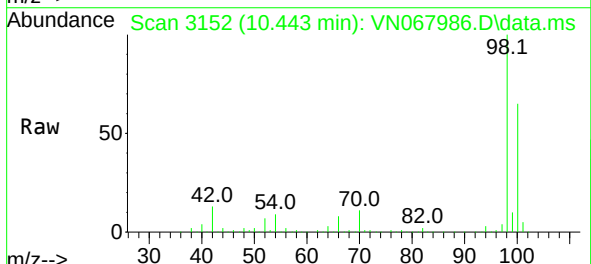
Instrument :
MSVOA_N
ClientSampled :

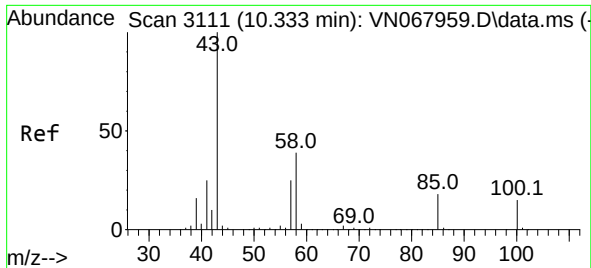
Tgt Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 47.7 53.3 79.9#



#50
Toluene-d8
Concen: 47.119 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion: 98 Resp: 702275
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

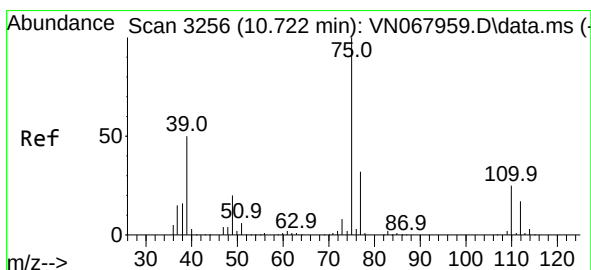
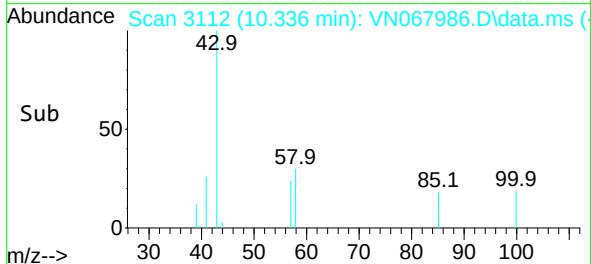
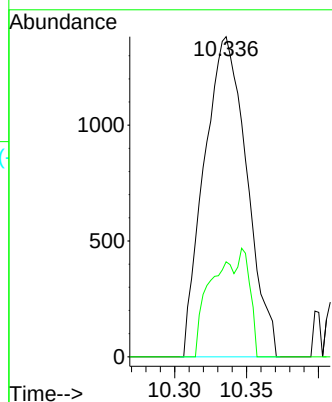
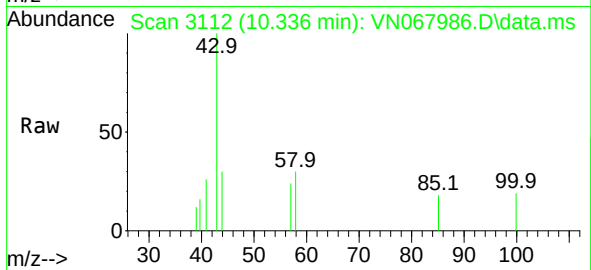




#51
4-Methyl-2-Pentanone
Concen: 13.025 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

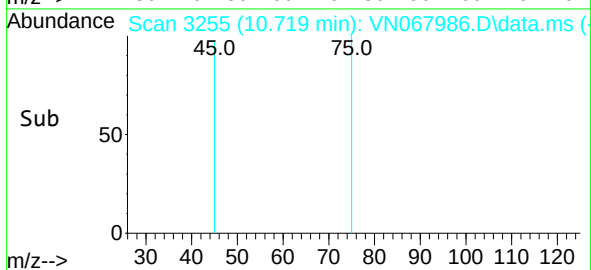
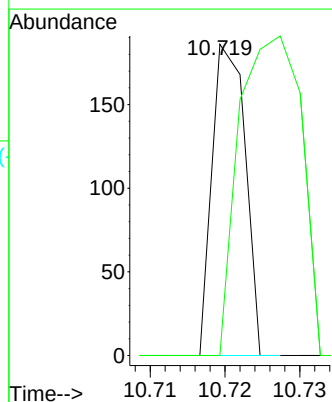
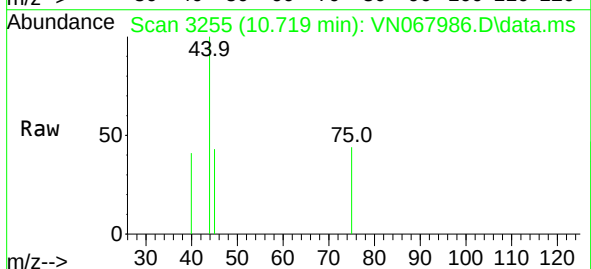
Instrument :
MSVOA_N
ClientSampled :

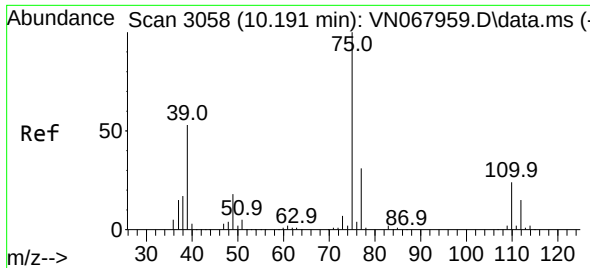
Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
58 18.8 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.841 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. -0.003 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

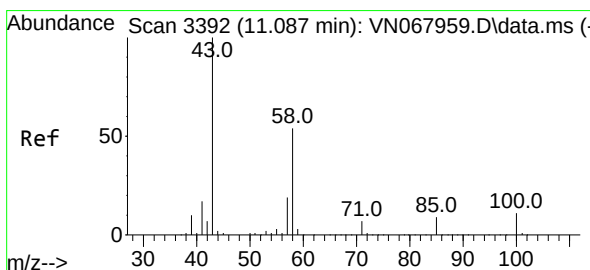
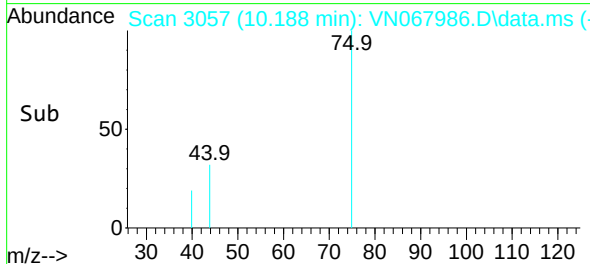
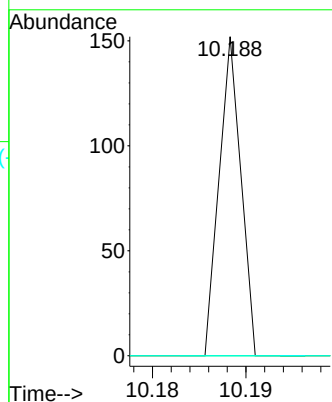
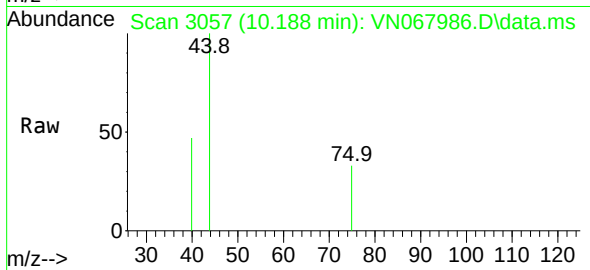




#54
cis-1,3-Dichloropropene
Concen: 2.358 ug/l
RT: 10.188 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

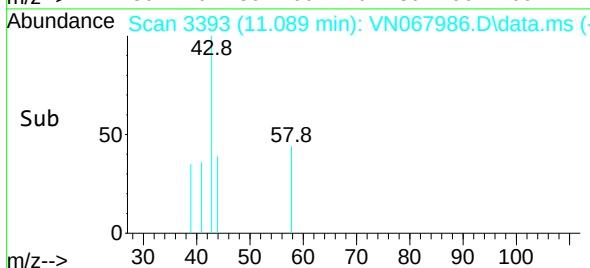
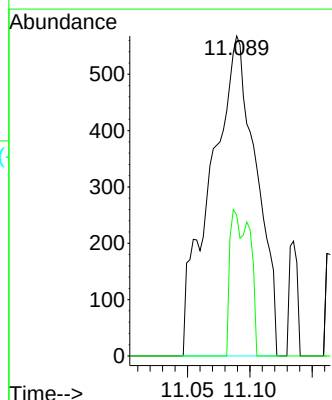
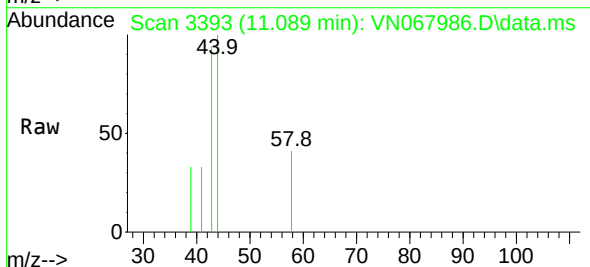
Instrument :
MSVOA_N
ClientSampled :

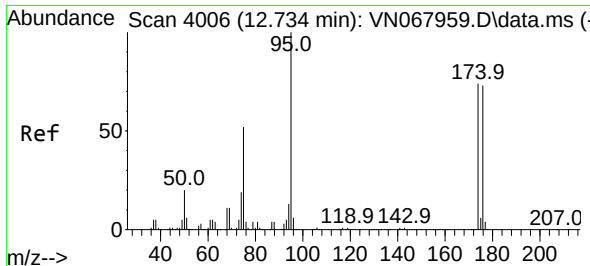
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 0.0 50.7 76.1#



#59
2-Hexanone
Concen: 13.612 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
58 12.8 24.7 74.1#

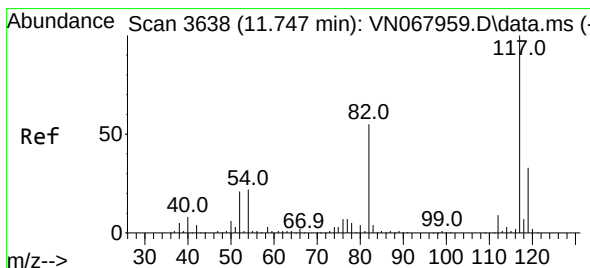
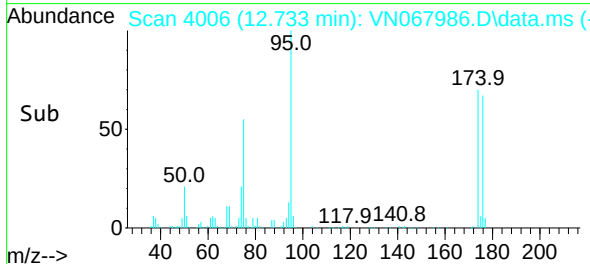
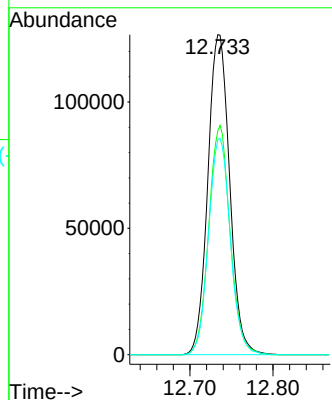
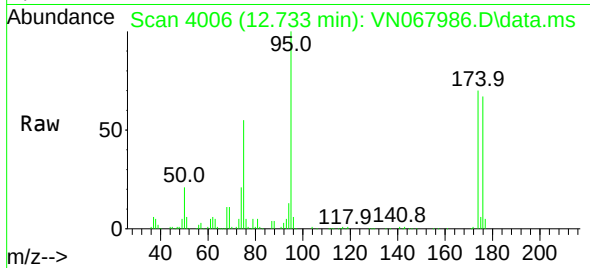




#62
4-Bromofluorobenzene
Concen: 42.903 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

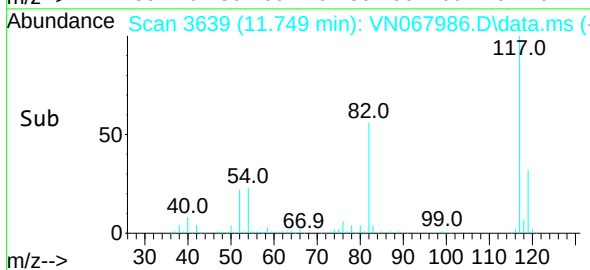
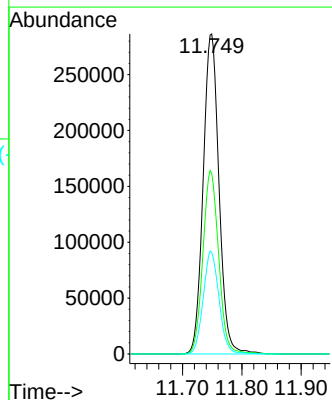
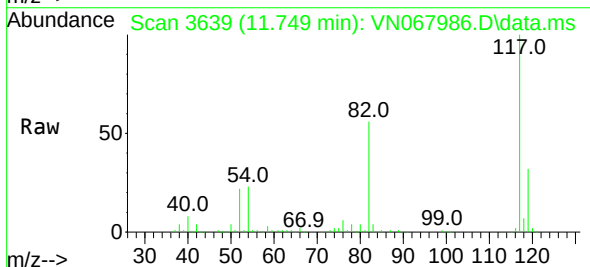
Instrument :
MSVOA_N
ClientSampled :

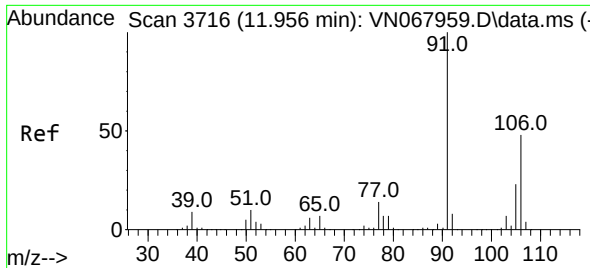
Tgt Ion: 95 Resp: 230954
Ion Ratio Lower Upper
95 100
174 70.2 0.0 122.0
176 67.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion: 117 Resp: 529761
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 31.8 25.5 38.3

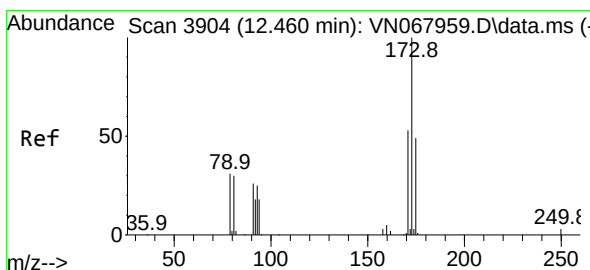
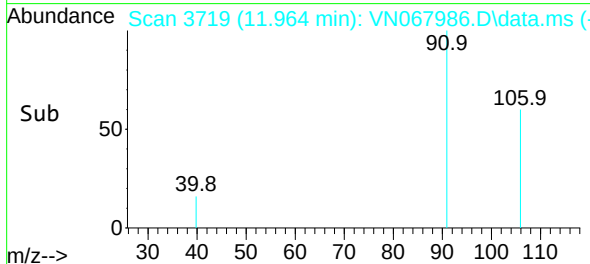
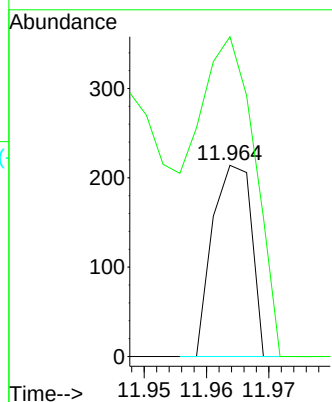
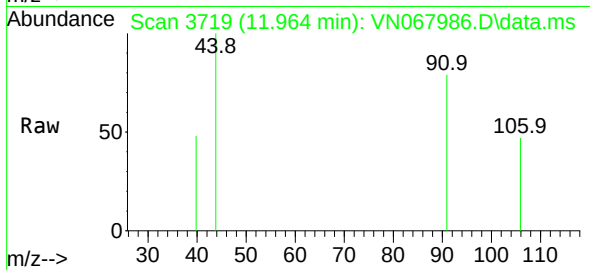




#68
m/p-Xylenes
Concen: 4.073 ug/l
RT: 11.964 min Scan# 3719
Delta R.T. 0.008 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

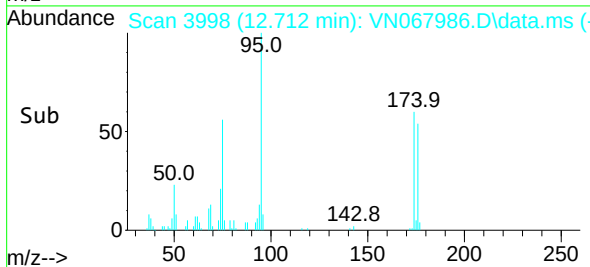
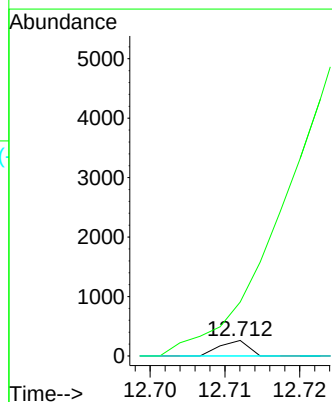
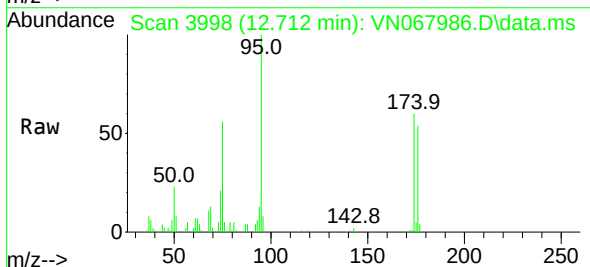
Instrument :
MSVOA_N
ClientSampled :

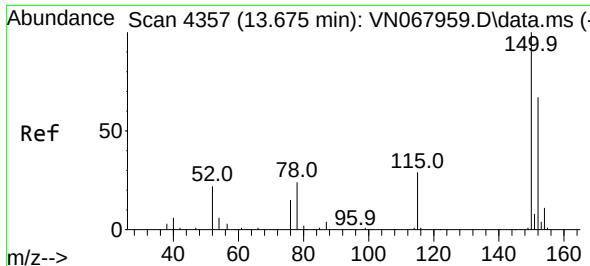
Tgt Ion:106 Resp: 93
Ion Ratio Lower Upper
106 100
91 240.9 180.6 270.8



#71
Bromoform
Concen: 4.050 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion:173 Resp: 69
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

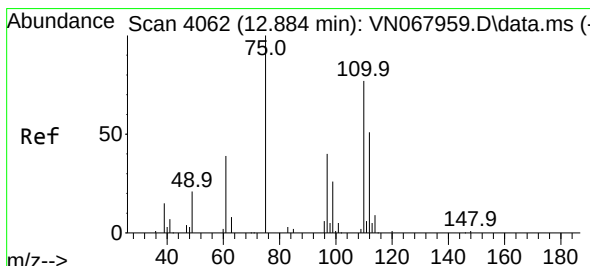
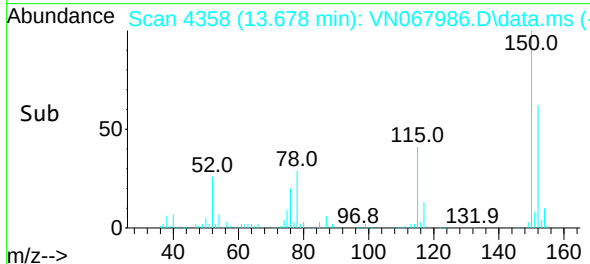
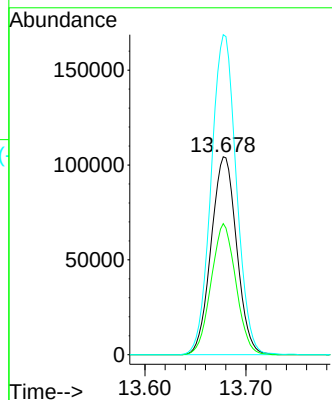
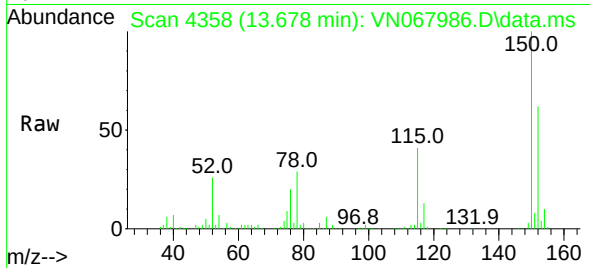




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN067986.D
 Acq: 3 Aug 2021 17:00

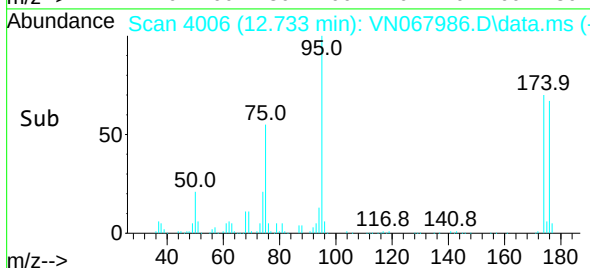
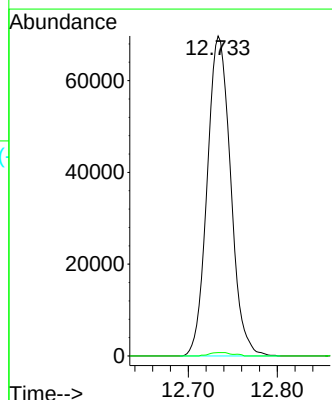
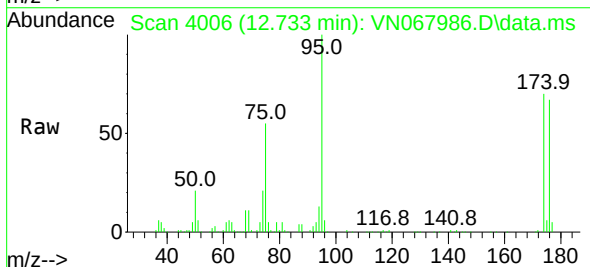
Instrument :
 MSVOA_N
 ClientSampled :

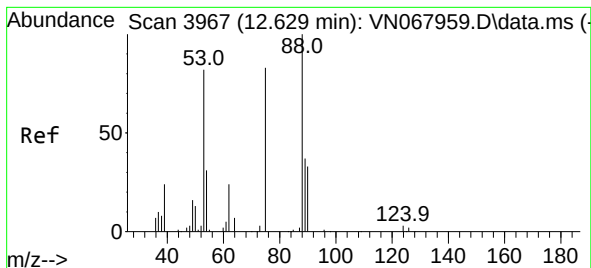
Tgt Ion:152 Resp: 183170
 Ion Ratio Lower Upper
 152 100
 115 64.2 36.1 108.5
 150 159.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 34.629 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067986.D
 Acq: 3 Aug 2021 17:00

Tgt Ion: 75 Resp: 127385
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

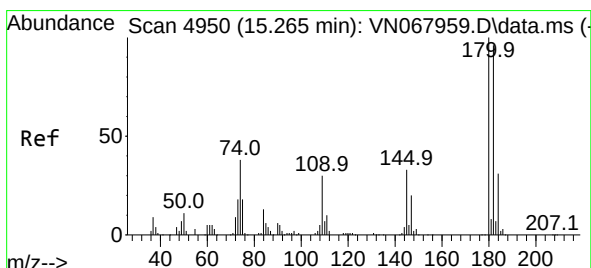
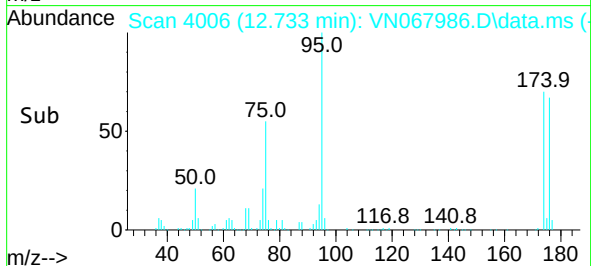
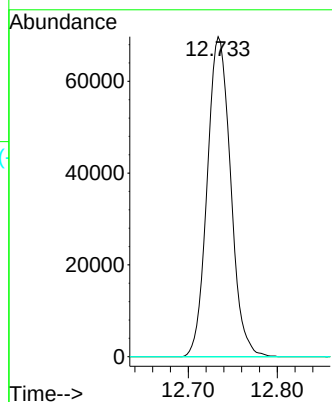
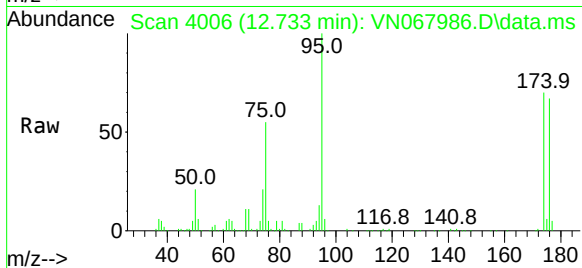




#81
trans-1,4-Dichloro-2-butene
Concen: 92.759 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

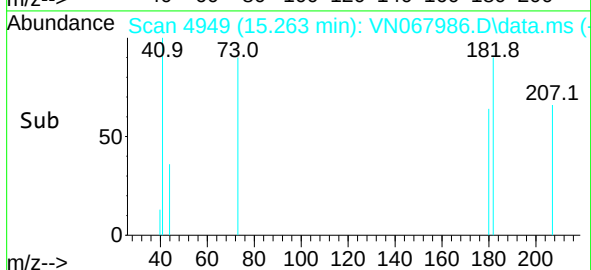
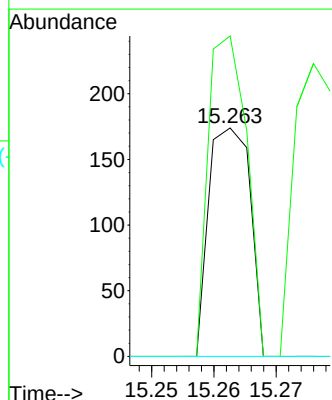
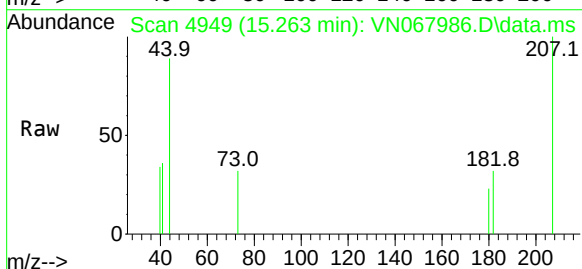
Instrument :
MSVOA_N
ClientSampled :

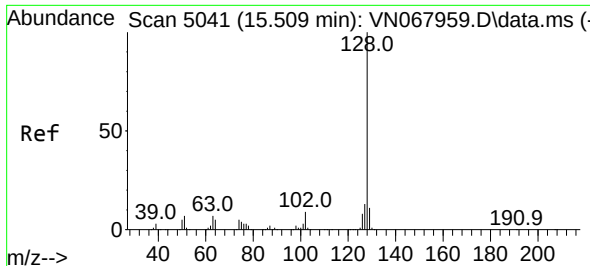
Tgt Ion: 75 Resp: 127385
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.495 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

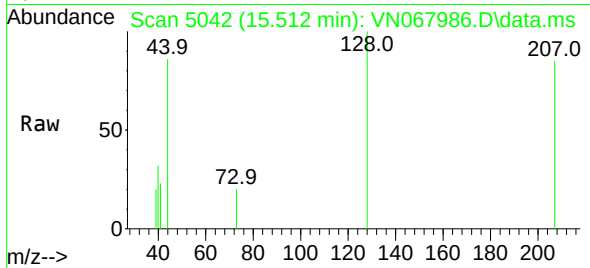
Tgt Ion:180 Resp: 80
Ion Ratio Lower Upper
180 100
182 131.3 47.5 142.5
145 0.0 17.2 51.6#



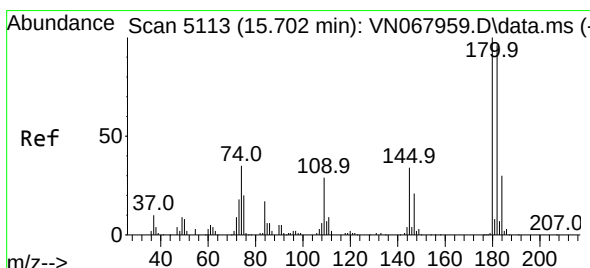
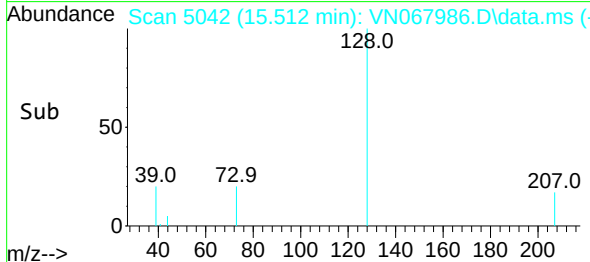
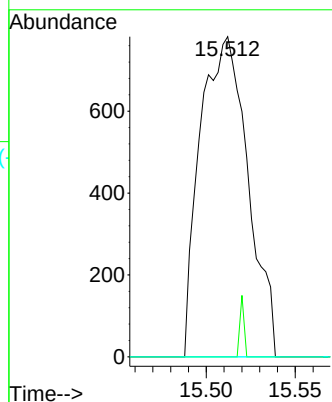


#95
Naphthalene
Concen: 3.299 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1460
Ion Ratio Lower Upper
128 100
127 1.6 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.429 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067986.D
Acq: 3 Aug 2021 17:00

Tgt Ion:180 Resp: 164
Ion Ratio Lower Upper
180 100
182 62.2 47.8 143.3
145 0.0 18.2 54.6#

