

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067983.D
 Acq On : 3 Aug 2021 15:47
 Operator : JC/MD
 Sample : M3269-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

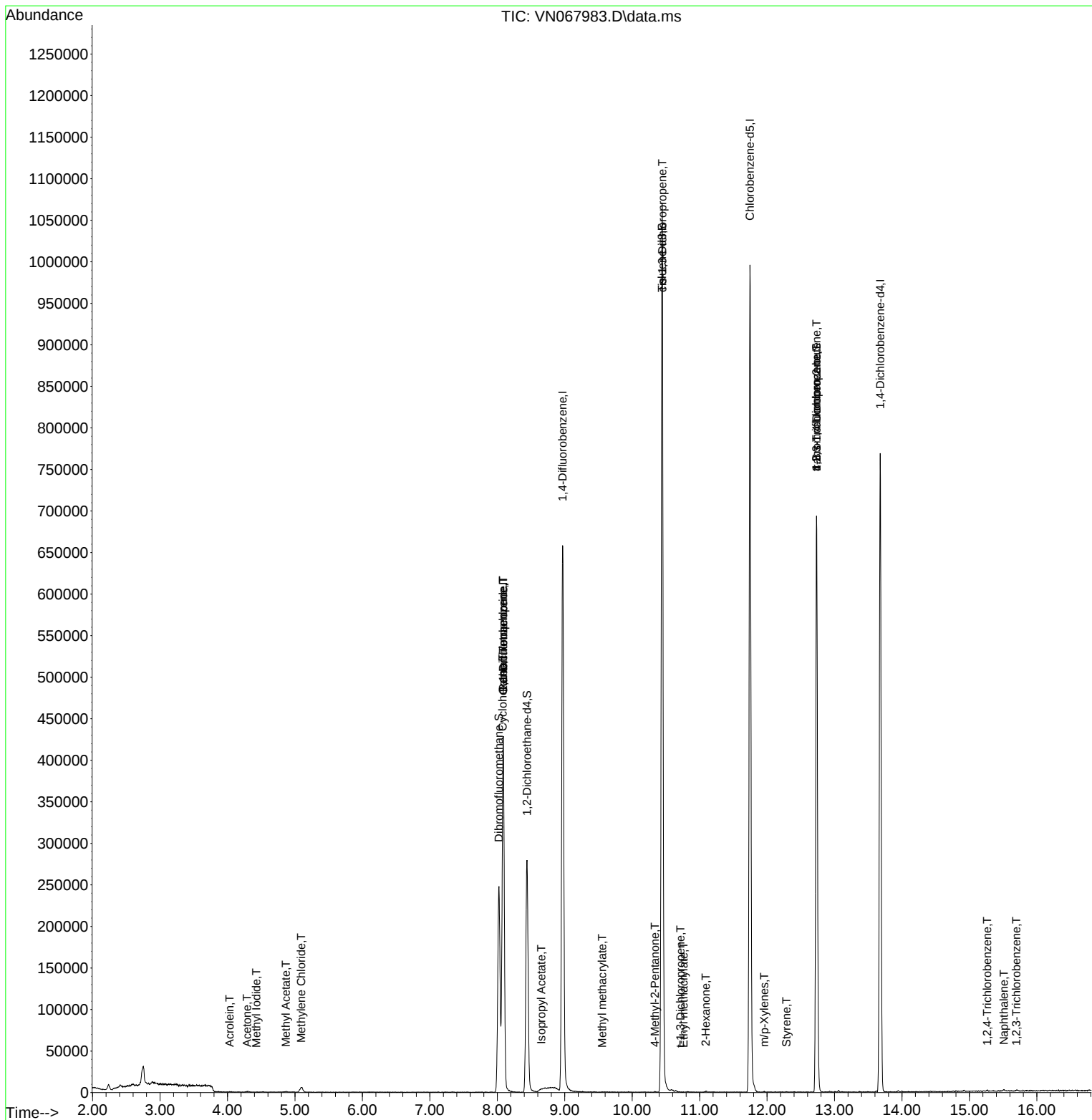
Instrument :
 MSVOA_N
 ClientSampleId :

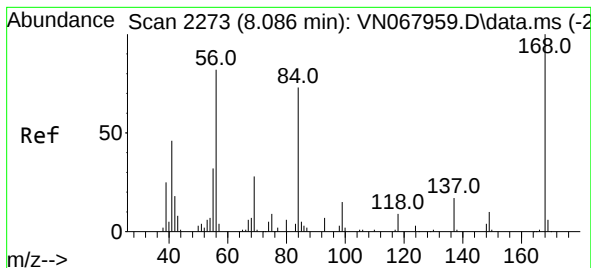
Quant Time: Aug 04 03:39:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	308464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	593957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	569207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	198104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	243621	55.789	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	111.580%	
35) Dibromofluoromethane	8.024	113	182513	52.727	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	105.460%	
50) Toluene-d8	10.443	98	751259	47.257	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	94.520%	
62) 4-Bromofluorobenzene	12.734	95	247315	43.062	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	86.120%	
Target Compounds						Qvalue
10) Methyl Iodide	4.425	142	83	3.141	ug/l #	33
13) Acrolein	4.031	56	213	0.536	ug/l #	58
16) Acetone	4.288	43	579	0.363	ug/l #	46
18) Methyl Acetate	4.867	43	1331	0.246	ug/l #	73
20) Methylene Chloride	5.093	84	2667	0.443	ug/l #	74
31) Cyclohexane	8.080	56	7966	1.237	ug/l #	17
36) 1,1-Dichloropropene	8.088	75	27963	5.090	ug/l #	51
38) Carbon Tetrachloride	8.086	117	34818	6.444	ug/l #	18
43) Isopropyl Acetate	8.654	43	3233	0.375	ug/l #	58
48) Methyl methacrylate	9.555	41	26	2.311	ug/l #	12
51) 4-Methyl-2-Pentanone	10.339	43	721	12.676	ug/l #	39
53) t-1,3-Dichloropropene	10.714	75	51	2.840	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	78	2.365	ug/l #	9
56) Ethyl methacrylate	10.762	69	24	3.102	ug/l #	19
59) 2-Hexanone	11.090	43	1291	13.561	ug/l #	43
68) m/p-Xylenes	11.959	106	88	4.072	ug/l #	1
70) Styrene	12.288	104	338	2.653	ug/l #	22
76) 1,2,3-Trichloropropane	12.734	75	137672	34.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	137672	92.695	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	678	2.691	ug/l #	35
95) Naphthalene	15.509	128	2658	3.422	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.694	180	414	2.511	ug/l #	40

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

Quant Time: Aug 04 03:39:31 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067983.D

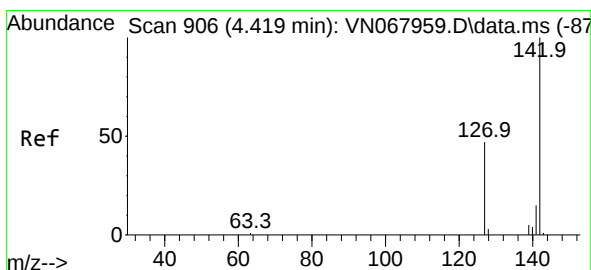
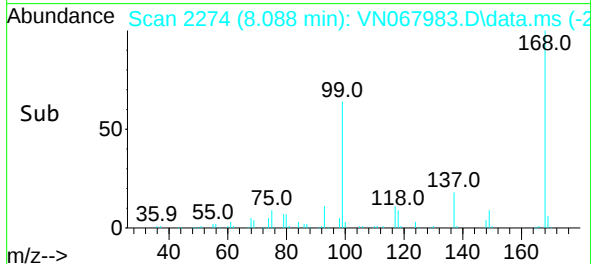
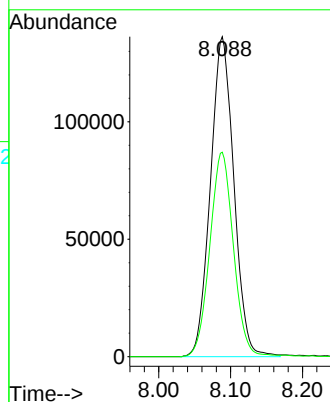
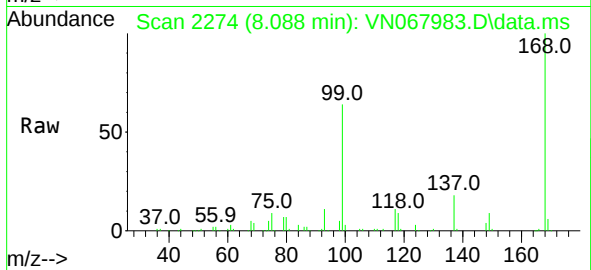
Acq: 3 Aug 2021 15:47

Tgt Ion:168 Resp: 308464

Ion Ratio Lower Upper

168 100

99 63.9 62.9 94.3



#10

Methyl Iodide

Concen: 3.141 ug/l

RT: 4.425 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN067983.D

Acq: 3 Aug 2021 15:47

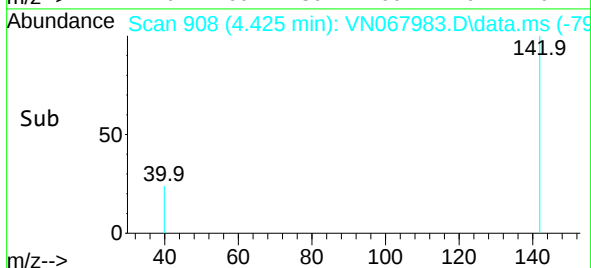
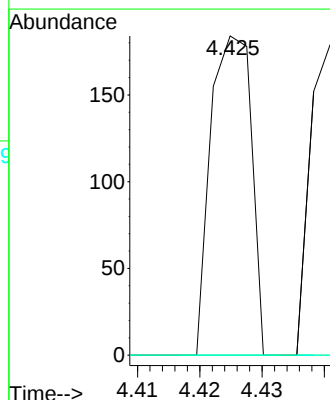
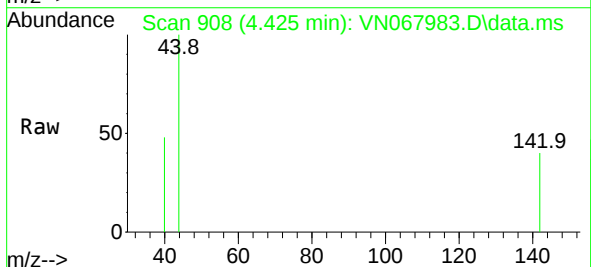
Tgt Ion:142 Resp: 83

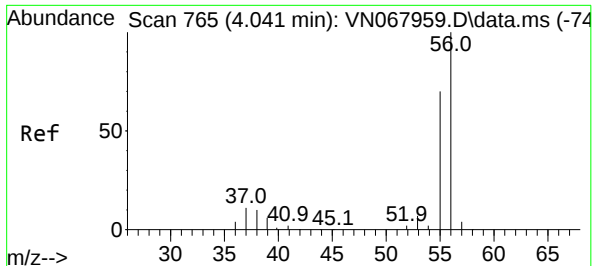
Ion Ratio Lower Upper

142 100

127 0.0 43.1 64.7#

141 0.0 11.4 17.0#

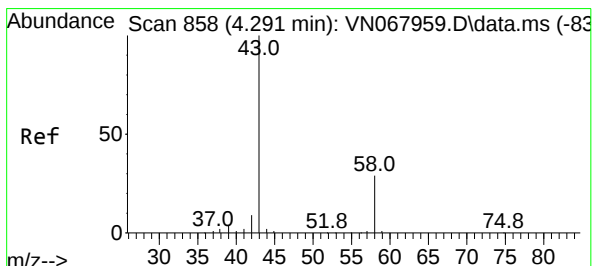
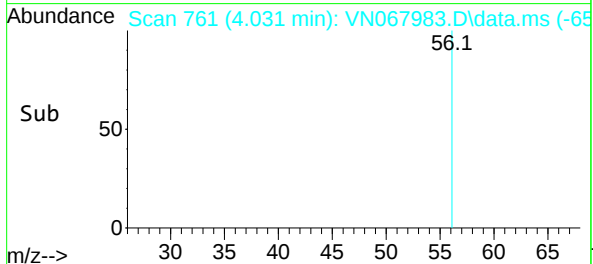
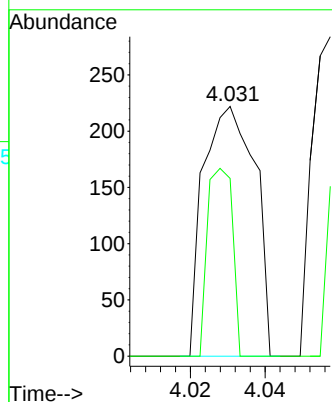
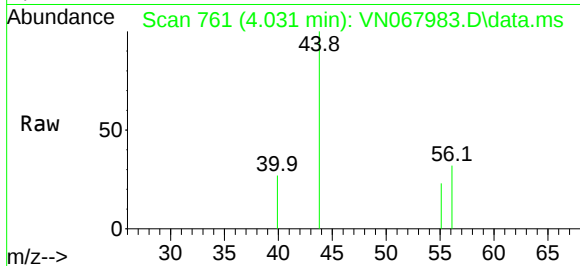




#13
Acrolein
Concen: 0.536 ug/l
RT: 4.031 min Scan# 761
Delta R.T. -0.010 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

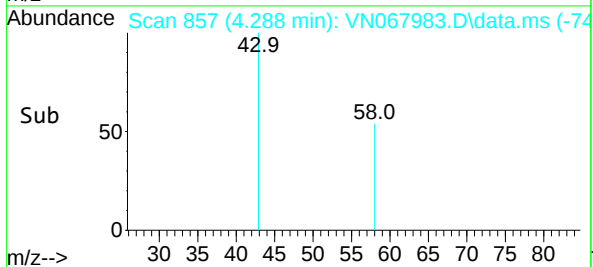
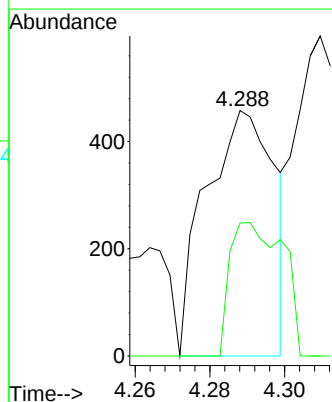
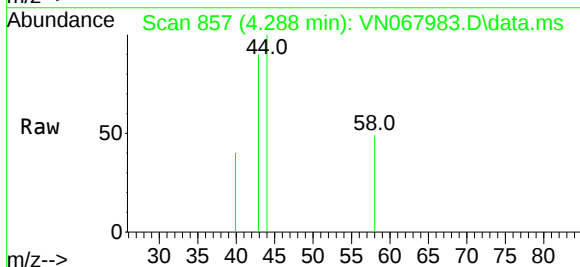
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MSVOA_N
ClientSampled :

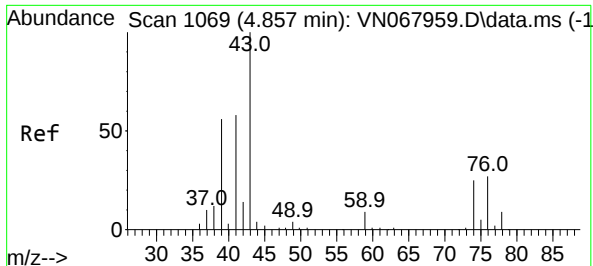
Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 36.6 57.4 86.0#



#16
Acetone
Concen: 0.363 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 54.1 21.2 31.8#





#18

Methyl Acetate

Concen: 0.246 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.010 min

Lab File: VN067983.D

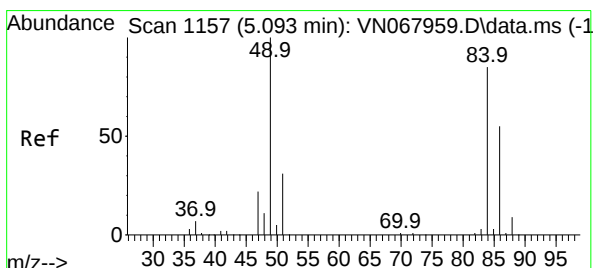
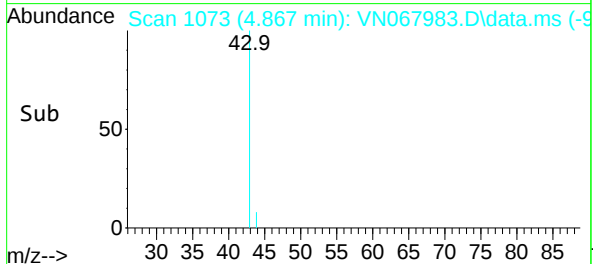
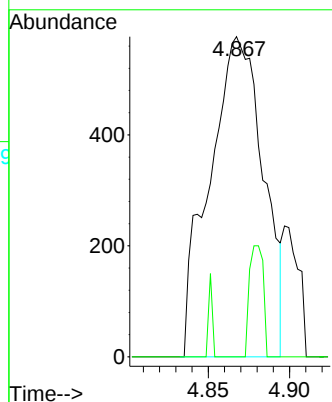
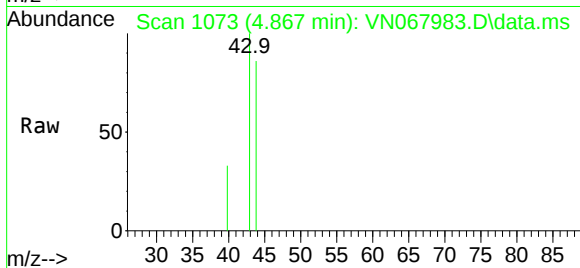
Acq: 3 Aug 2021 15:47

Tgt Ion: 43 Resp: 1331

Ion Ratio Lower Upper

43 100

74 8.9 17.4 26.0#



#20

Methylene Chloride

Concen: 0.443 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.000 min

Lab File: VN067983.D

Acq: 3 Aug 2021 15:47

Tgt Ion: 84 Resp: 2667

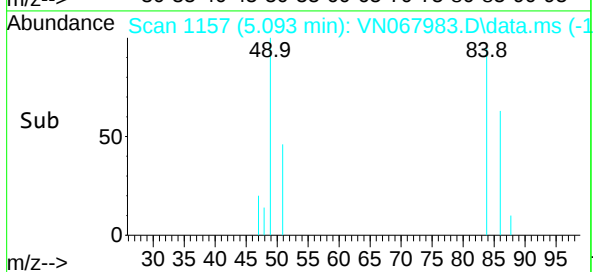
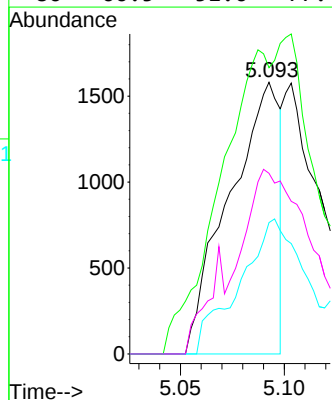
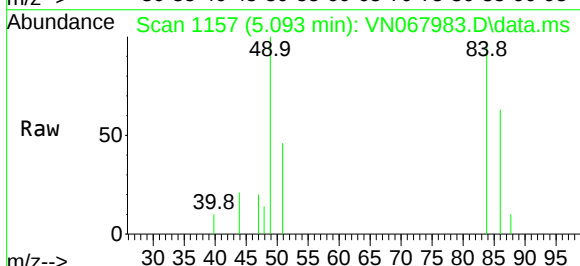
Ion Ratio Lower Upper

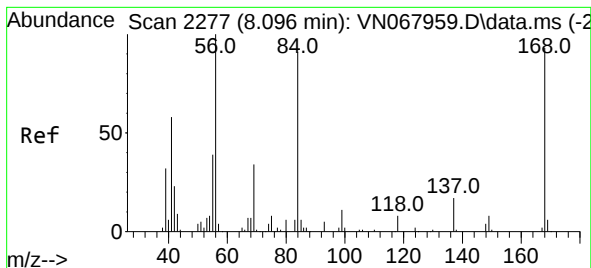
84 100

49 89.2 110.9 166.3#

51 48.3 32.6 49.0

86 66.5 51.6 77.4

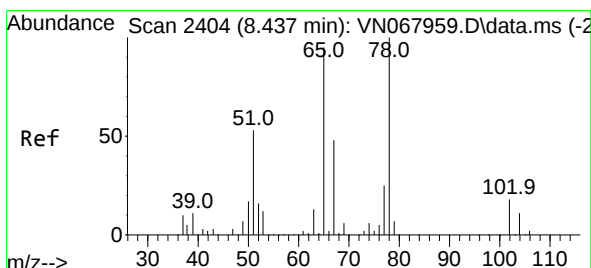
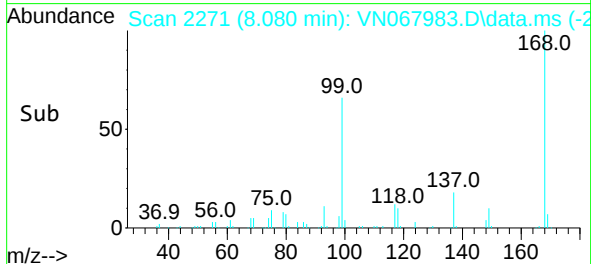
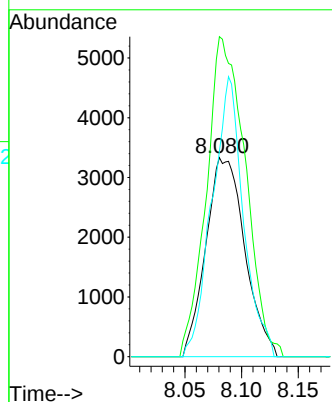
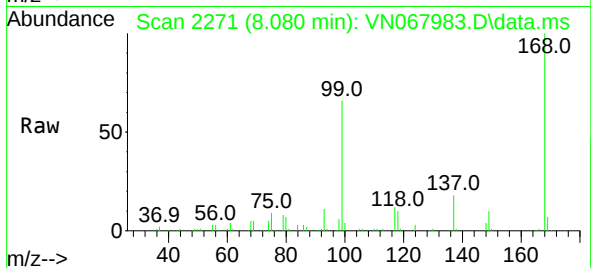




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

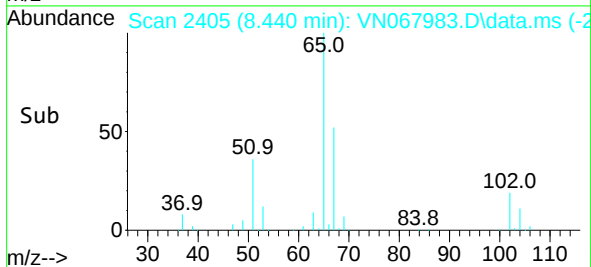
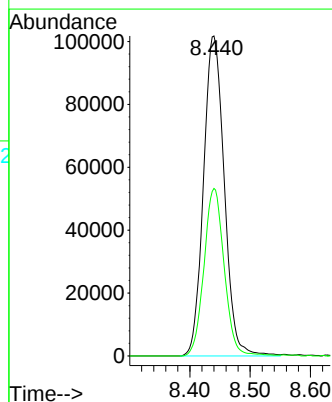
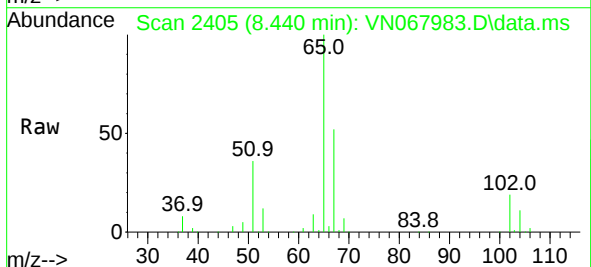
Instrument :
MSVOA_N
ClientSampleId :

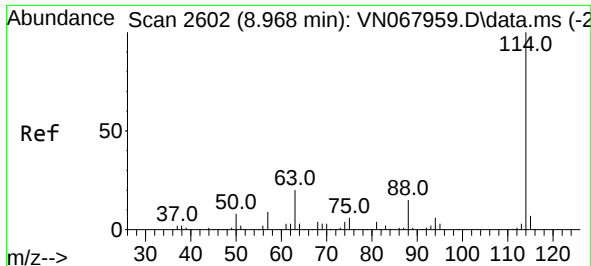
Tgt Ion: 56 Resp: 7966
Ion Ratio Lower Upper
56 100
69 160.8 27.3 40.9#
84 103.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.789 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion: 65 Resp: 243621
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

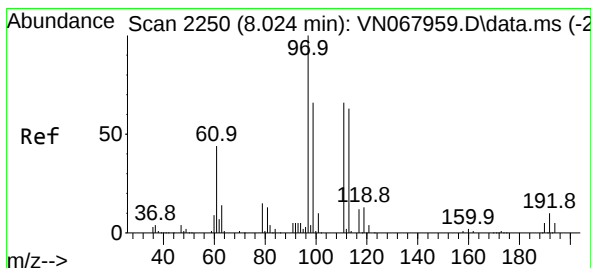
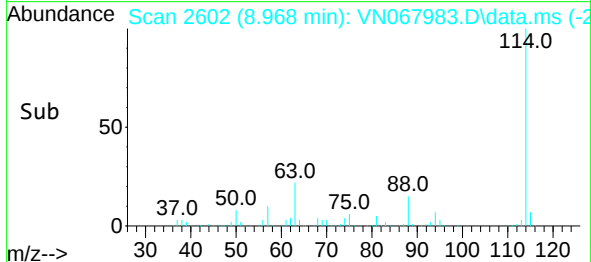
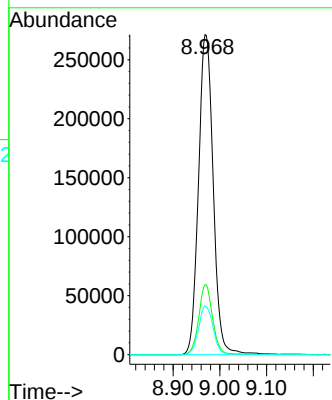
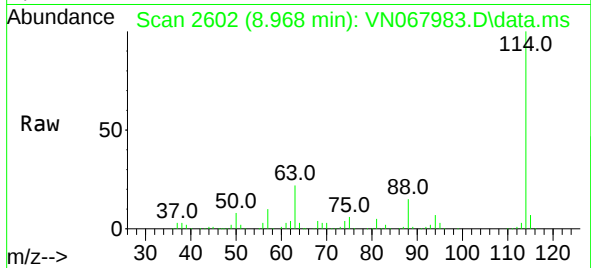




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

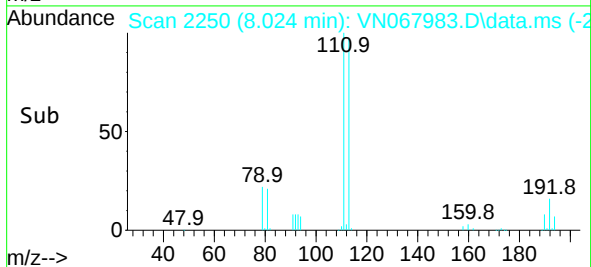
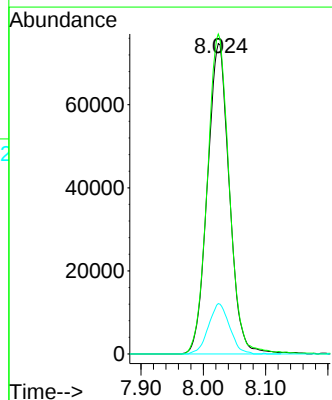
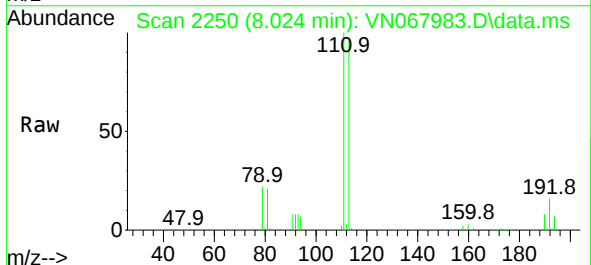
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MSVOA_N
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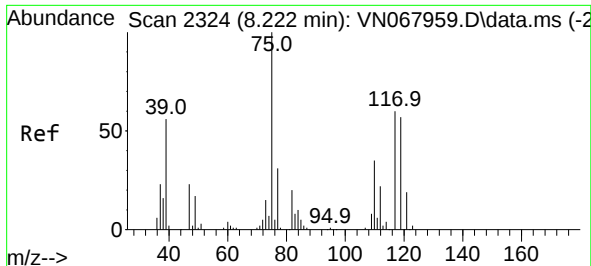
Tgt Ion:114 Resp: 593957
Ion Ratio Lower Upper
114 100
63 21.9 0.0 49.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.727 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion:113 Resp: 182513
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 15.6 13.4 20.0

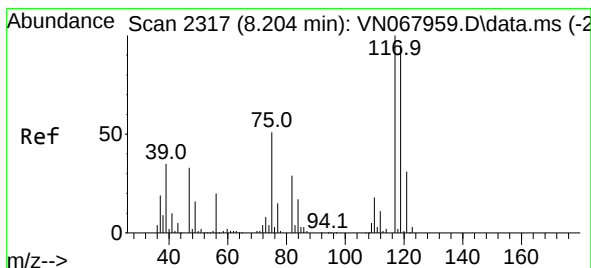
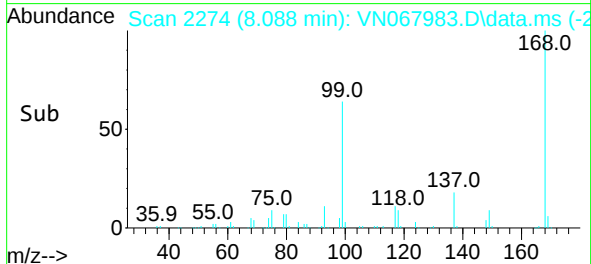
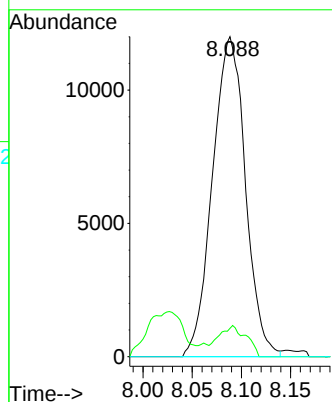
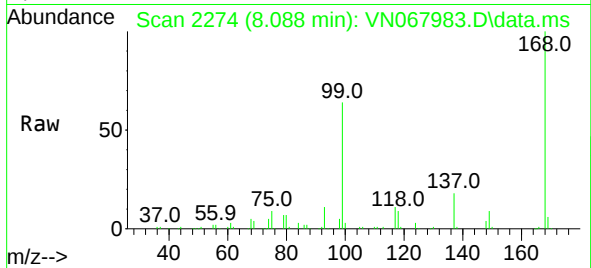




#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

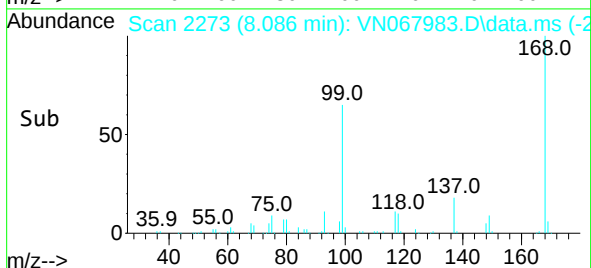
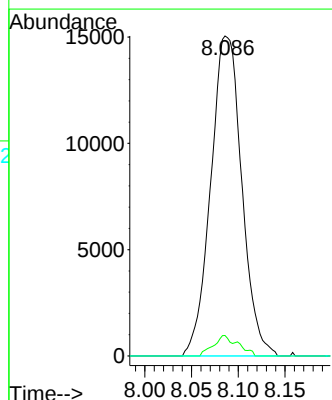
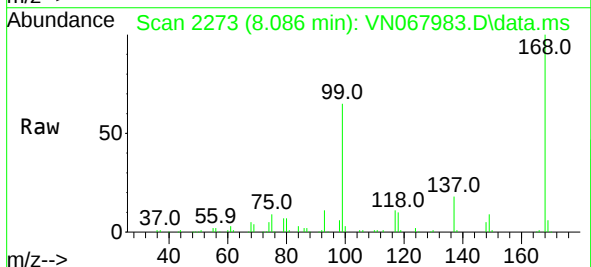
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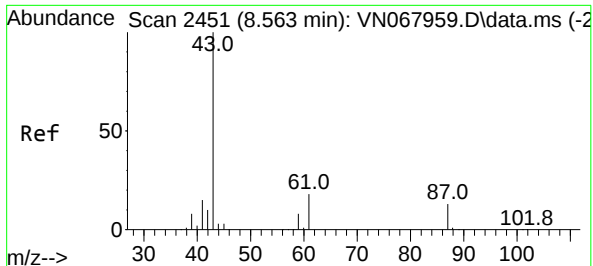
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Ion Ratio Lower Upper
75 100
110 8.2 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.444 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

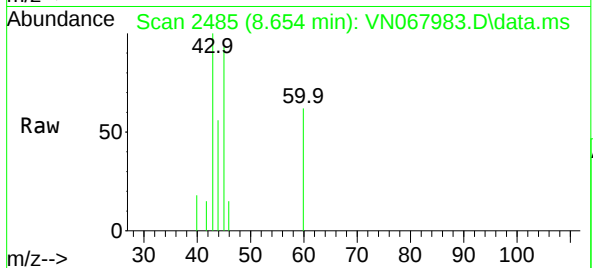
Tgt Ion: 117 Resp: 34818
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 23.5 35.3#



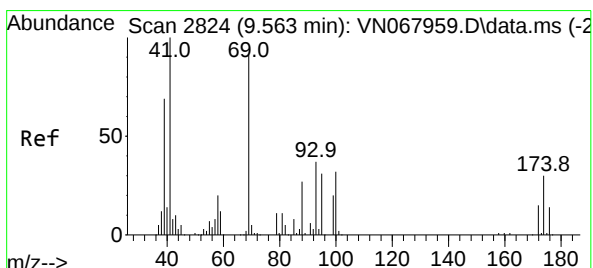
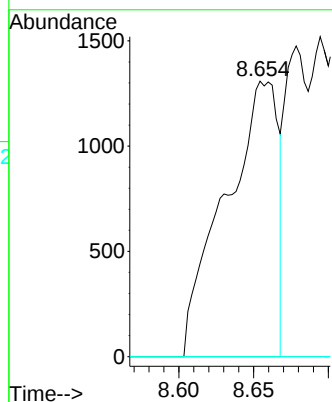
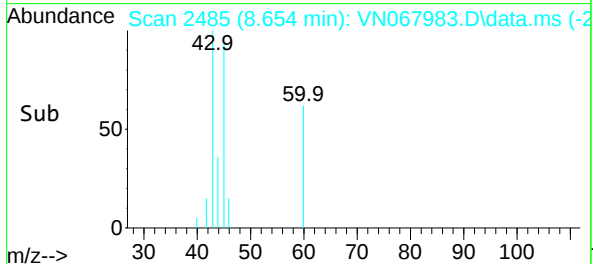


#43
Isopropyl Acetate
Concen: 0.375 ug/l
RT: 8.654 min Scan# 2485
Delta R.T. 0.091 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

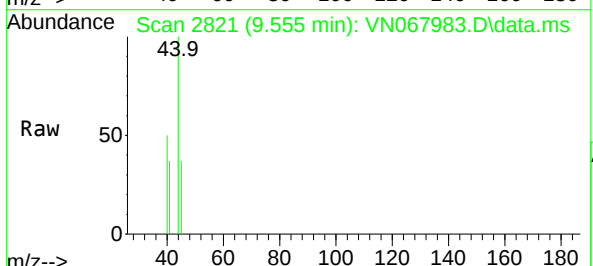
Instrument :
MSVOA_N
ClientSampled :



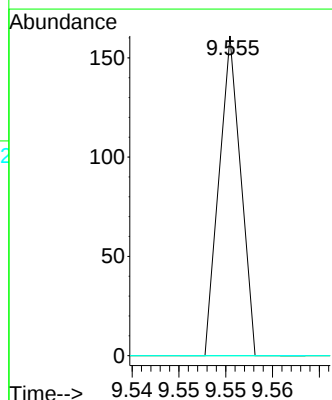
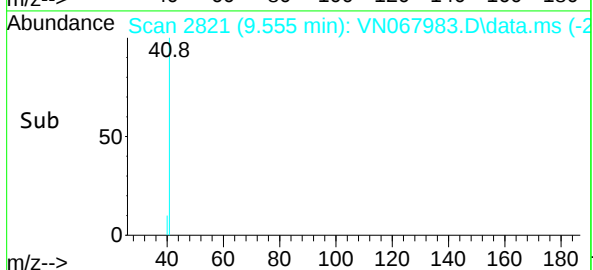
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Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

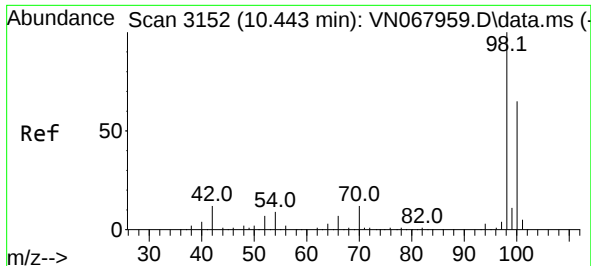


#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.555 min Scan# 2821
Delta R.T. -0.008 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47



Tgt Ion: 41 Resp: 26
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

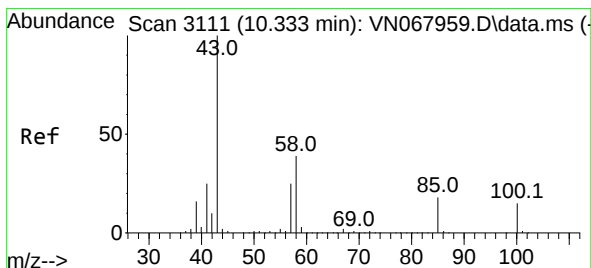
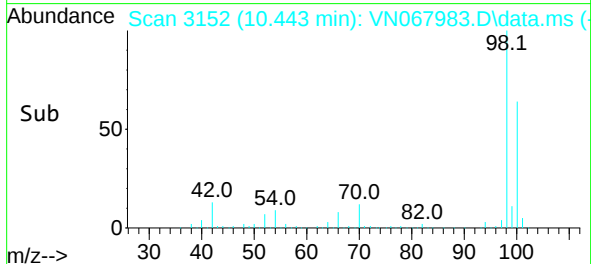
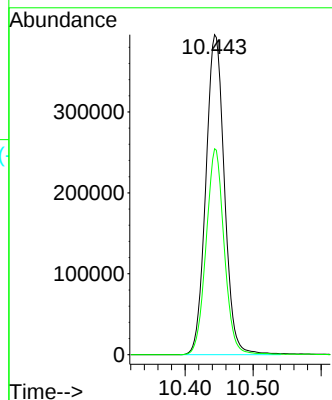
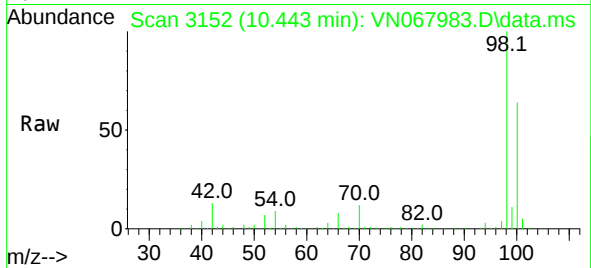




#50
Toluene-d8
Concen: 47.257 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

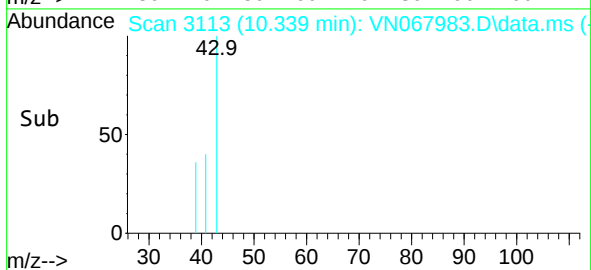
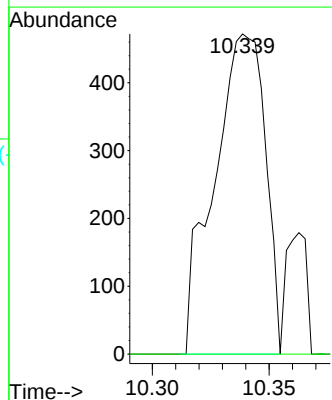
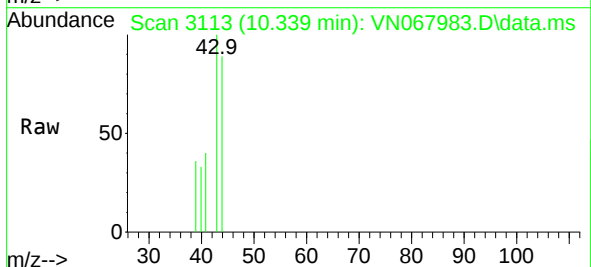
Instrument :
MSVOA_N
ClientSampled :

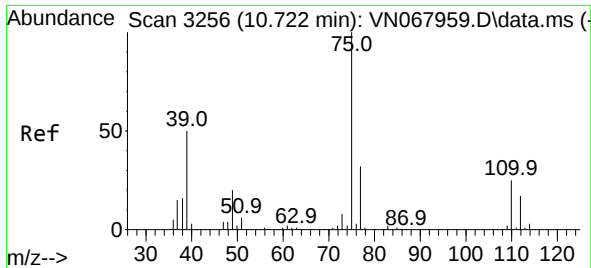
Tgt Ion: 98 Resp: 751259
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.676 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

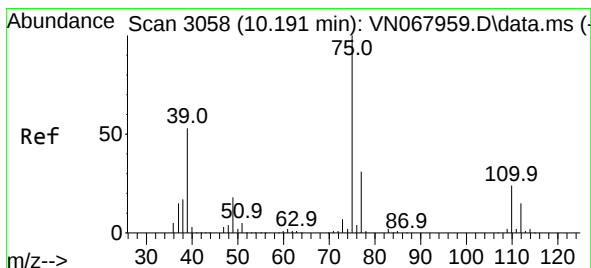
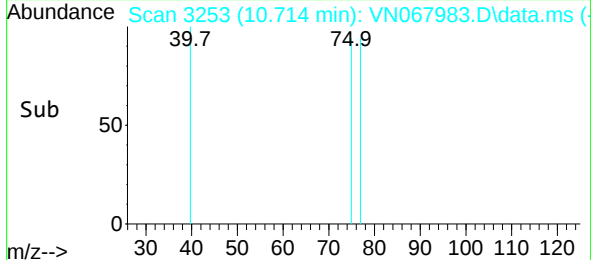
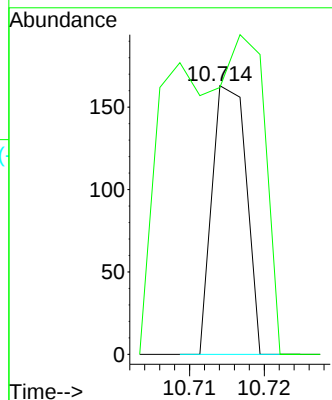
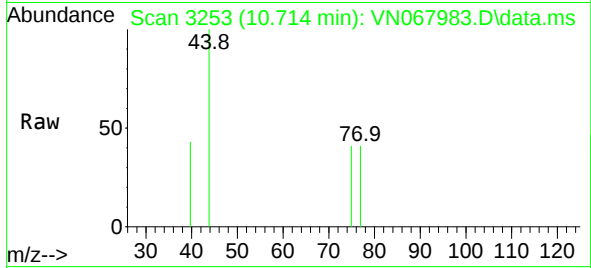




#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.008 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

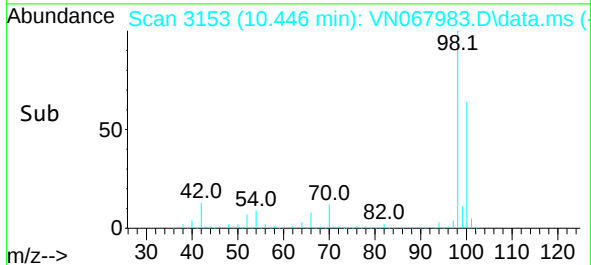
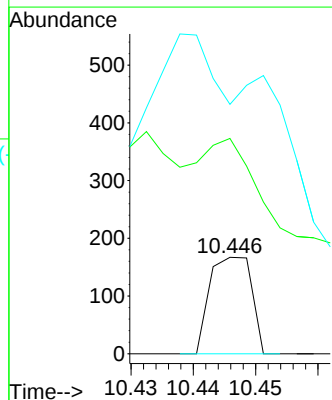
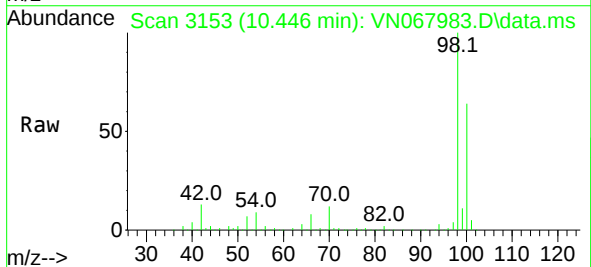
Instrument :
MSVOA_N
ClientSampled :

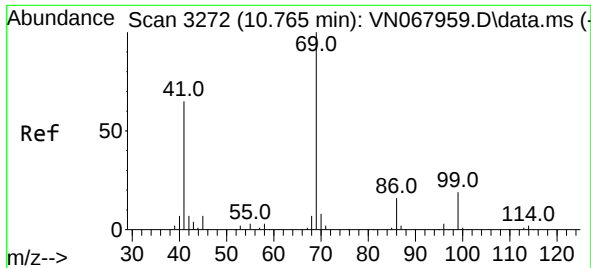
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 99.4 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.365 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
77 92.8 24.6 37.0#
39 0.6 50.7 76.1#

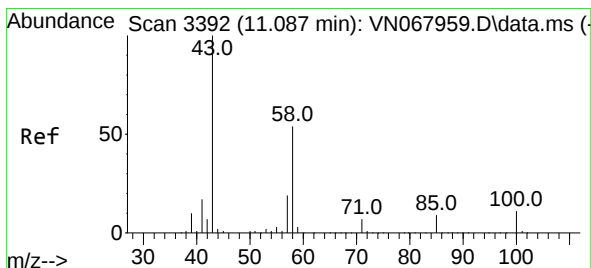
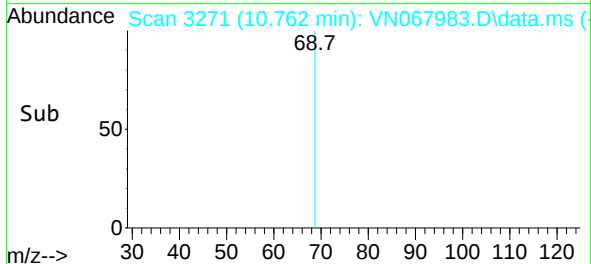
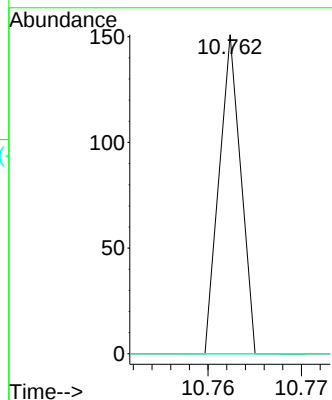
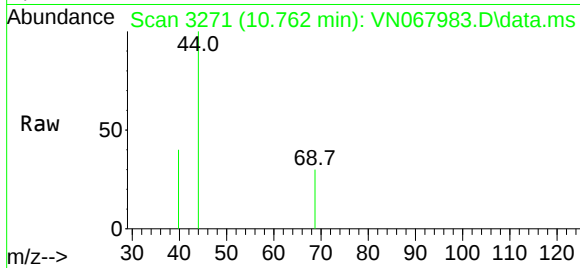




#56
Ethyl methacrylate
Concen: 3.102 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. -0.003 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

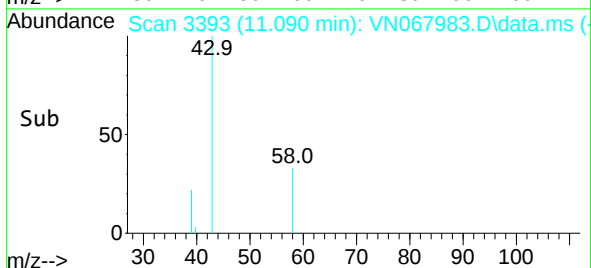
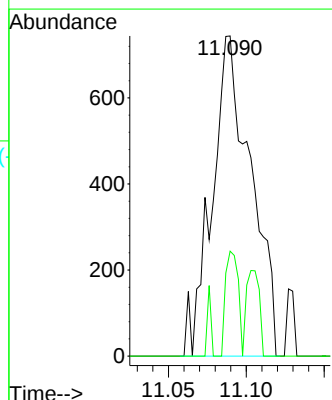
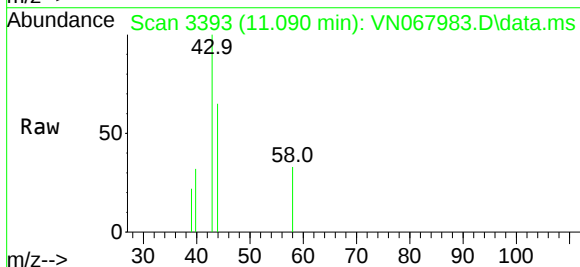
Instrument :
MSVOA_N
ClientSampled :

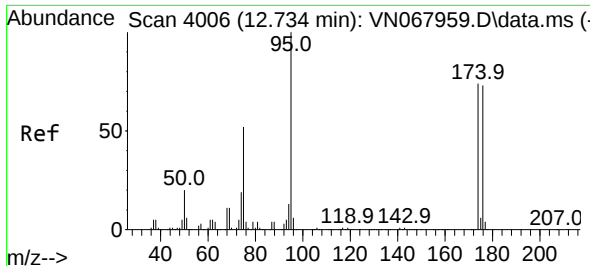
Tgt Ion: 69 Resp: 24
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 0.0 38.3 57.5#



#59
2-Hexanone
Concen: 13.561 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
58 10.6 24.7 74.1#

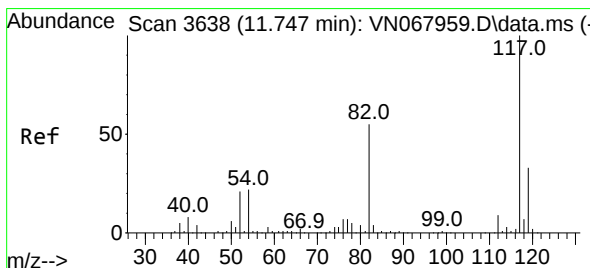
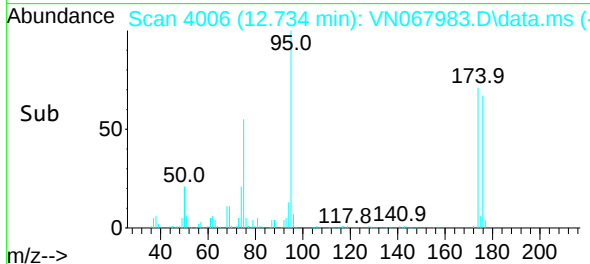
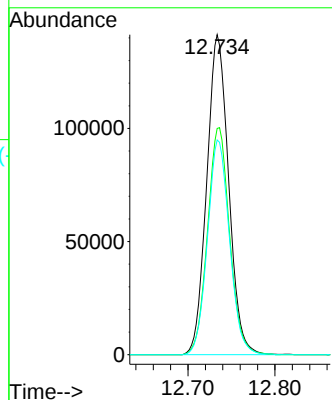
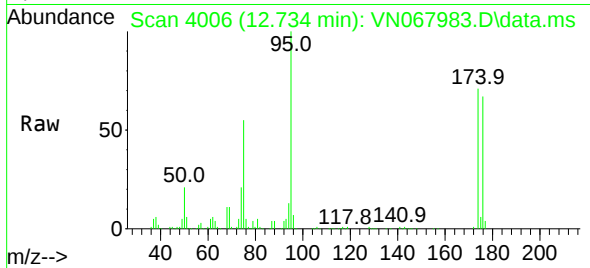




#62
4-Bromofluorobenzene
Concen: 43.062 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

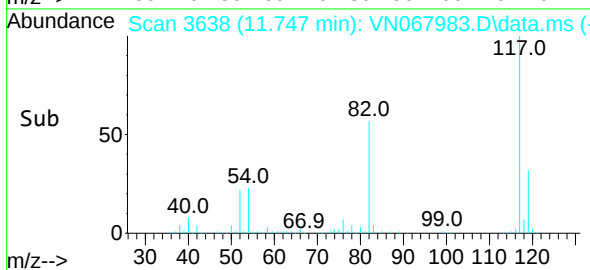
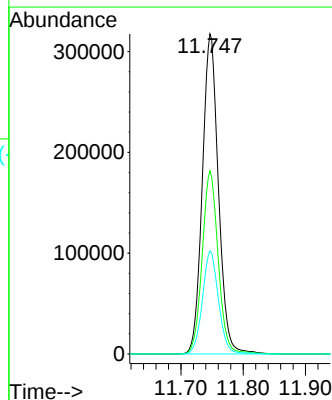
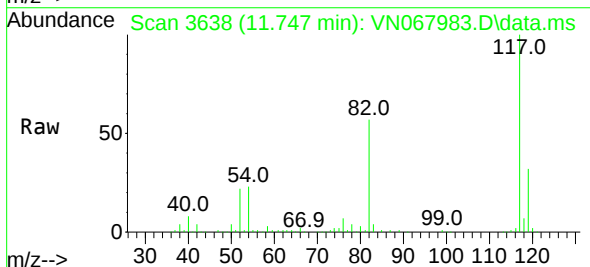
Instrument :
MSVOA_N
ClientSampleId :

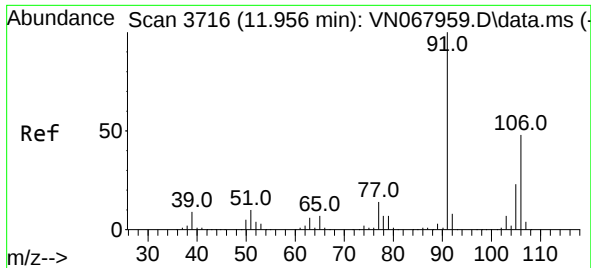
Tgt Ion: 95 Resp: 247315
Ion Ratio Lower Upper
95 100
174 71.8 0.0 122.0
176 67.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion: 117 Resp: 569207
Ion Ratio Lower Upper
117 100
82 57.2 53.1 79.7
119 32.2 25.5 38.3

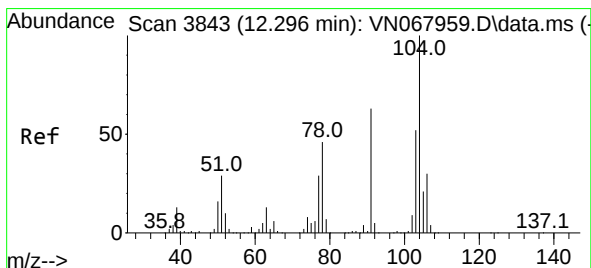
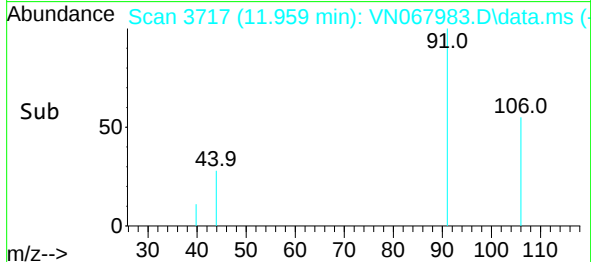
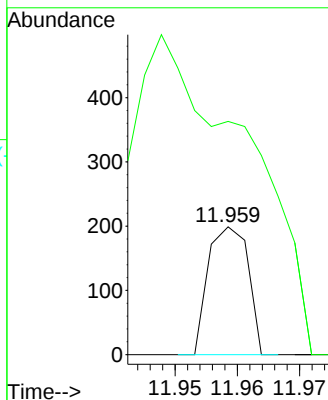
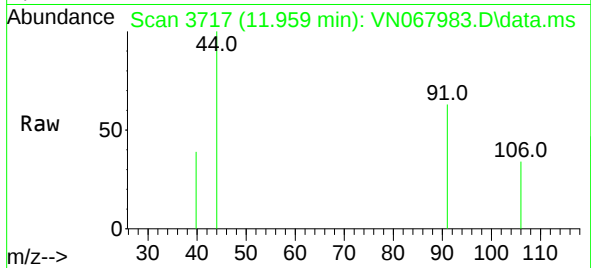




#68
m/p-Xylenes
Concen: 4.072 ug/l
RT: 11.959 min Scan# 3717
Delta R.T. 0.003 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

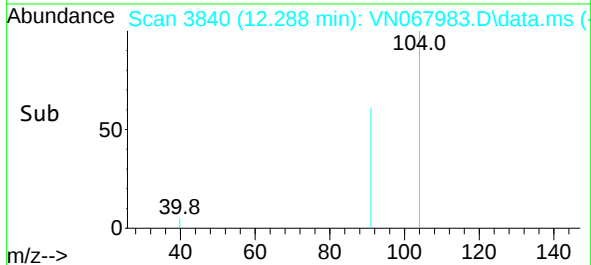
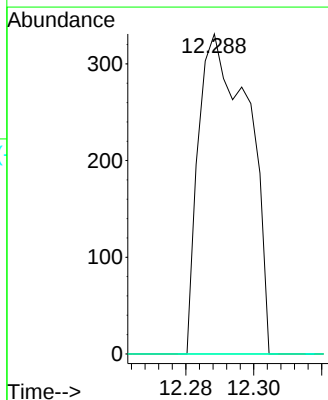
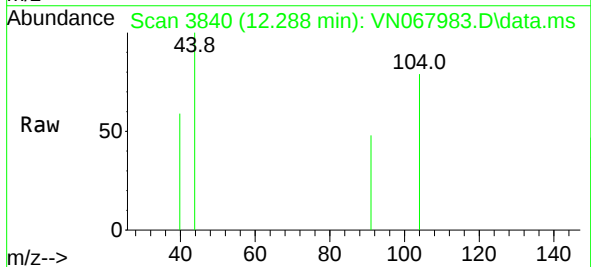
Instrument :
MSVOA_N
ClientSampled :

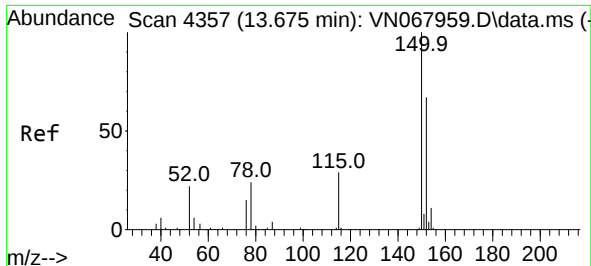
Tgt Ion:106 Resp: 88
Ion Ratio Lower Upper
106 100
91 771.6 180.6 270.8#



#70
Styrene
Concen: 2.653 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. -0.008 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion:104 Resp: 338
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#

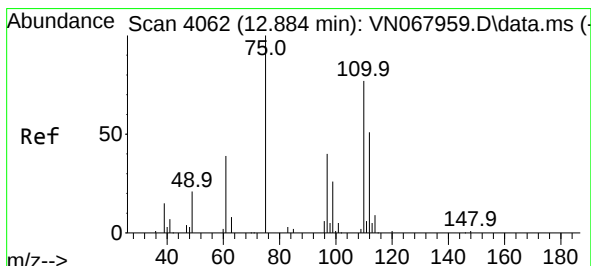
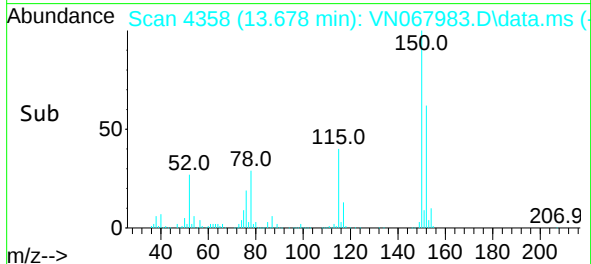
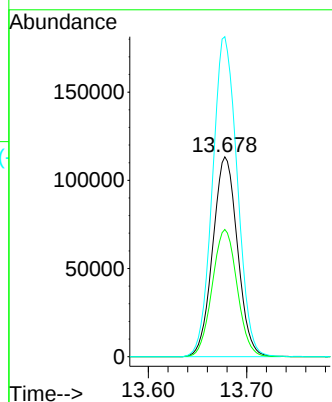
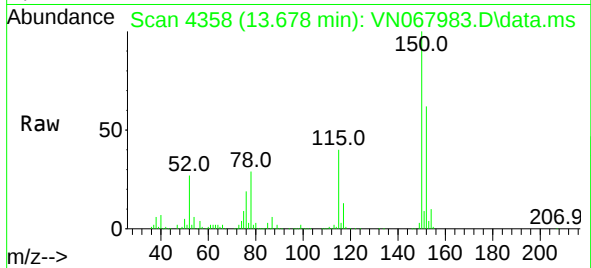




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN067983.D
 Acq: 3 Aug 2021 15:47

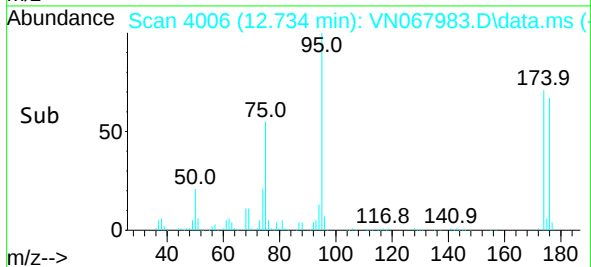
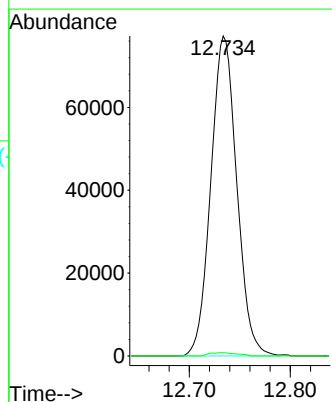
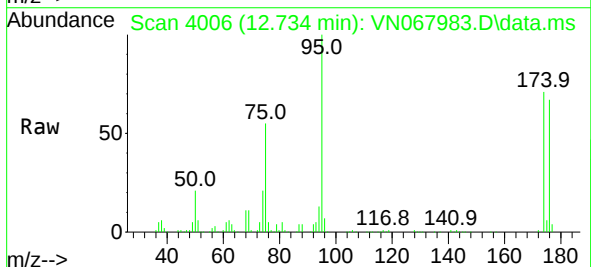
Instrument :
 MSVOA_N
 ClientSampled :

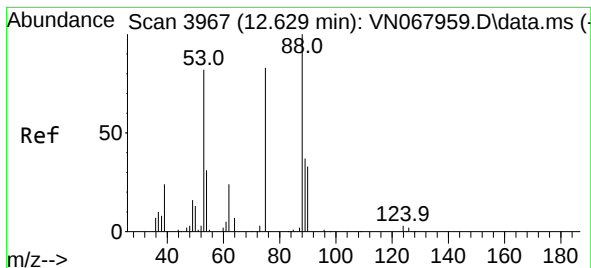
Tgt Ion:152 Resp: 198104
 Ion Ratio Lower Upper
 152 100
 115 64.3 36.1 108.5
 150 160.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 34.604 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067983.D
 Acq: 3 Aug 2021 15:47

Tgt Ion: 75 Resp: 137672
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

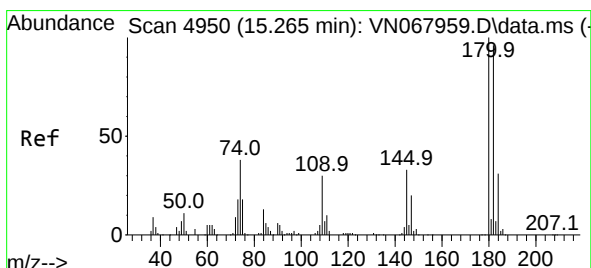
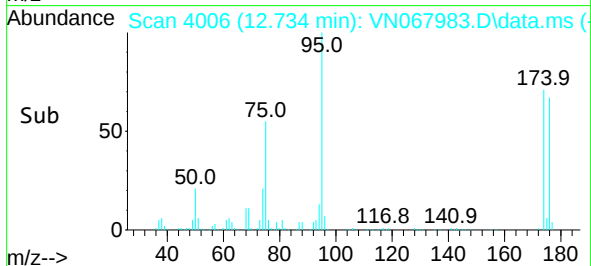
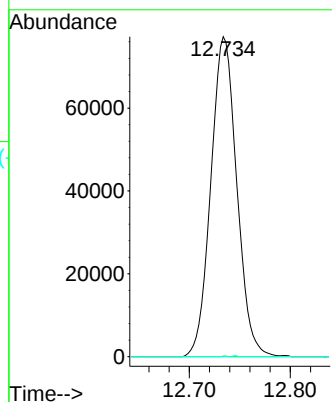
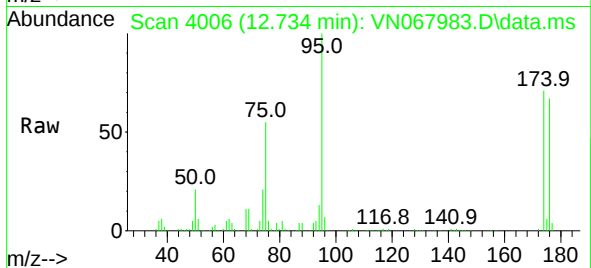




#81
trans-1,4-Dichloro-2-butene
Concen: 92.695 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

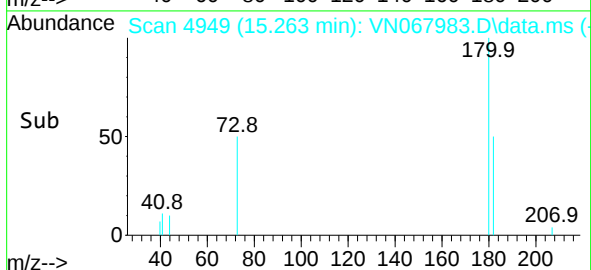
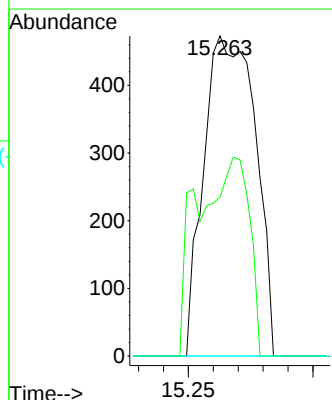
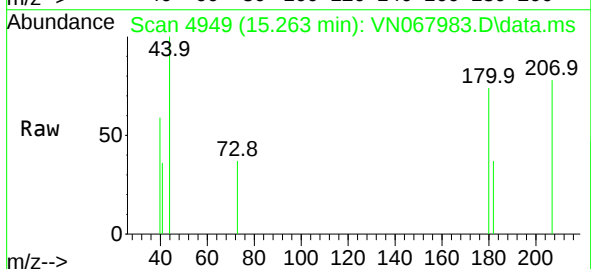
Instrument :
MSVOA_N
ClientSampled :

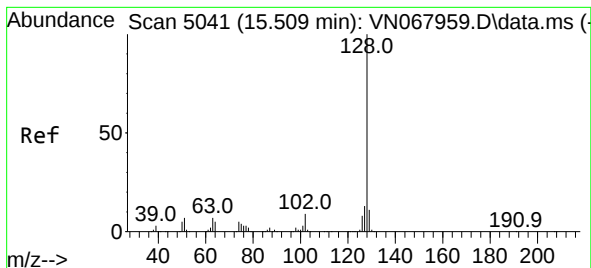
Tgt Ion: 75 Resp: 137672
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.1 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.691 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion:180 Resp: 678
Ion Ratio Lower Upper
180 100
182 29.8 47.5 142.5#
145 0.0 17.2 51.6#

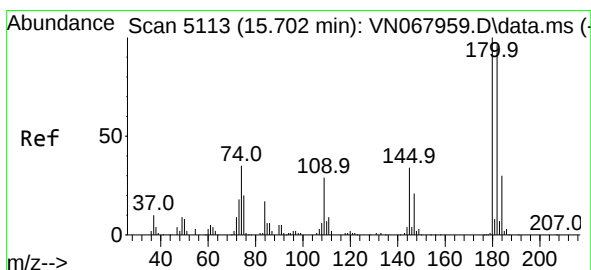
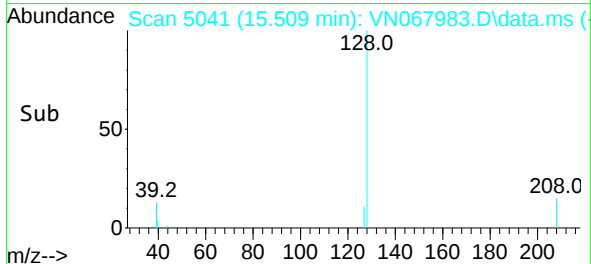
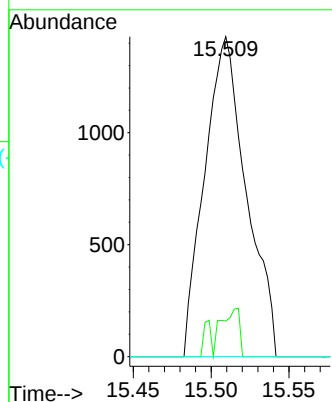
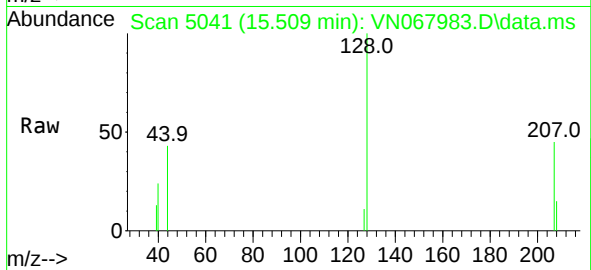




#95
Naphthalene
Concen: 3.422 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2658
Ion Ratio Lower Upper
128 100
127 6.6 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.511 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN067983.D
Acq: 3 Aug 2021 15:47

Tgt Ion:180 Resp: 414
Ion Ratio Lower Upper
180 100
182 153.1 47.8 143.3#
145 0.0 18.2 54.6#

