

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069997.D
 Acq On : 11 Dec 2021 9:24
 Operator : JC/MD
 Sample : M4970-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 16:05:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

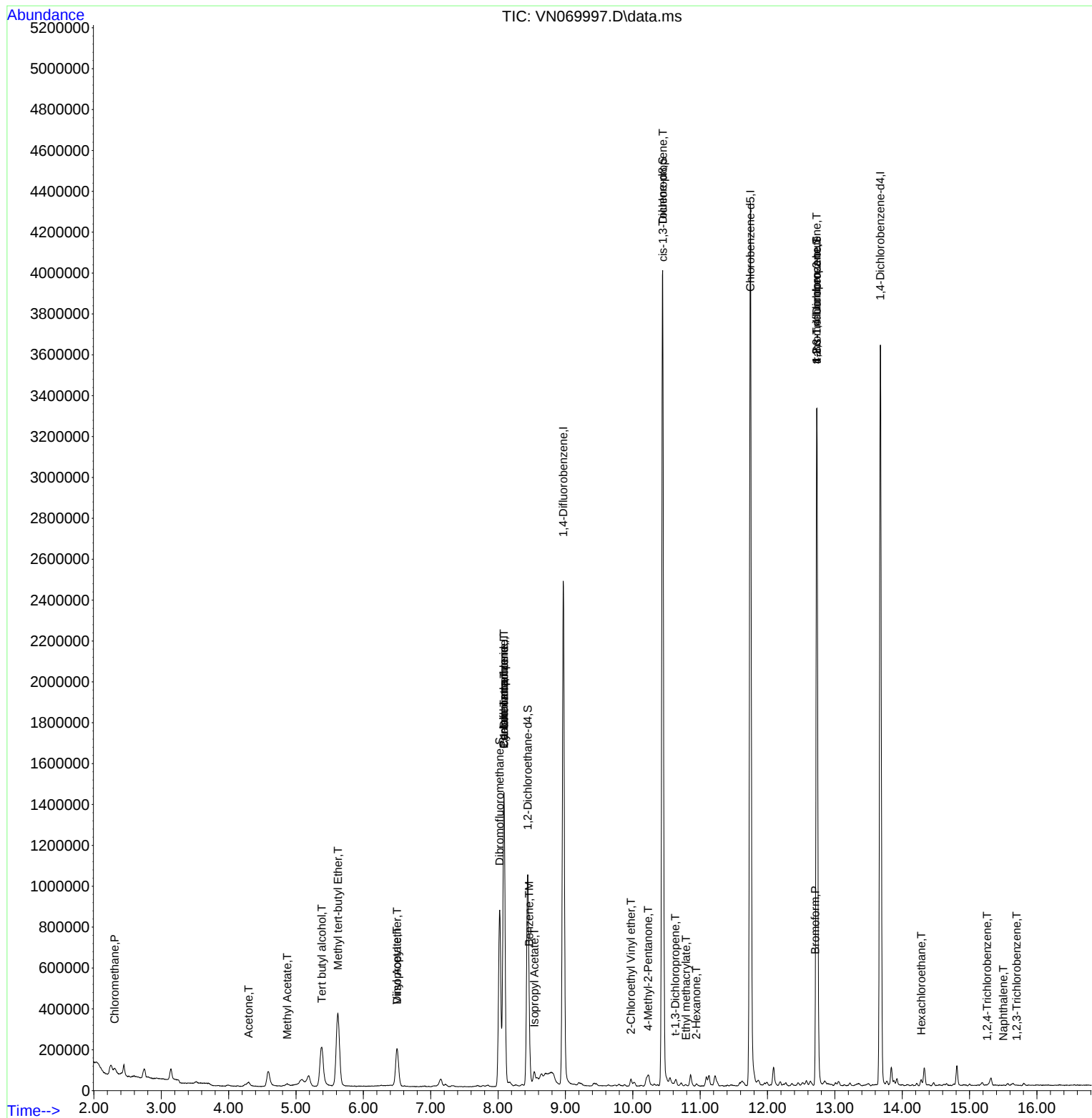
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1046402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2047057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2343296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	953317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	869872	53.841	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.680%	
35) Dibromofluoromethane	8.024	113	633137	49.378	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.760%	
50) Toluene-d8	10.443	98	2696442	52.372	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.740%	
62) 4-Bromofluorobenzene	12.731	95	1140315	61.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 122.280%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	4087	0.267	ug/l	# 84
11) Tert butyl alcohol	5.382	59	344705	112.871	ug/l	# 86
16) Acetone	4.296	43	31741	3.266	ug/l	98
18) Methyl Acetate	4.870	43	18224	0.621	ug/l	# 84
19) Methyl tert-butyl Ether	5.624	73	516587	13.329	ug/l	92
22) Diisopropyl ether	6.501	45	234375	5.339	ug/l	90
23) Vinyl Acetate	6.498	43	134116	3.755	ug/l	# 72
31) Cyclohexane	8.088	56	40242	1.790	ug/l	# 49
36) 1,1-Dichloropropene	8.086	75	91113	4.675	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	107988	5.651	ug/l	# 17
40) Benzene	8.461	78	100310	1.684	ug/l	100
43) Isopropyl Acetate	8.539	43	15603	0.364	ug/l	# 55
51) 4-Methyl-2-Pentanone	10.226	43	9722	0.349	ug/l	# 37
53) t-1,3-Dichloropropene	10.631	75	83	2.797	ug/l	# 43
54) cis-1,3-Dichloropropene	10.446	75	639	2.023	ug/l	# 1
56) Ethyl methacrylate	10.789	69	527	2.297	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.974	63	645	18.469	ug/l	# 45
59) 2-Hexanone	10.945	43	6956	0.330	ug/l	70
71) Bromoform	12.709	173	303	2.751	ug/l	# 29
76) 1,2,3-Trichloropropane	12.731	75	647422	23.681	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	647422	75.272	ug/l	# 5
90) Hexachloroethane	14.281	117	12188	1.083	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.260	180	77	2.883	ug/l	# 1
95) Naphthalene	15.501	128	1052	4.006	ug/l	# 84
96) 1,2,3-Trichlorobenzene	15.700	180	240	2.451	ug/l	# 69

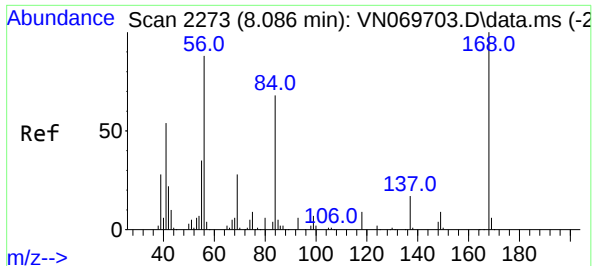
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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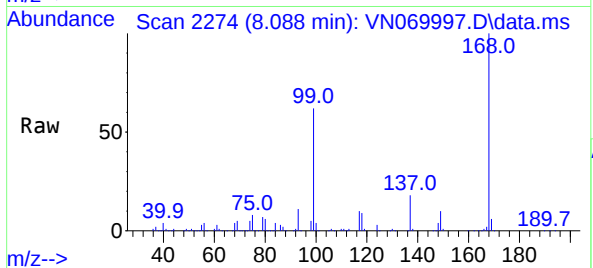
Quant Time: Dec 12 16:05:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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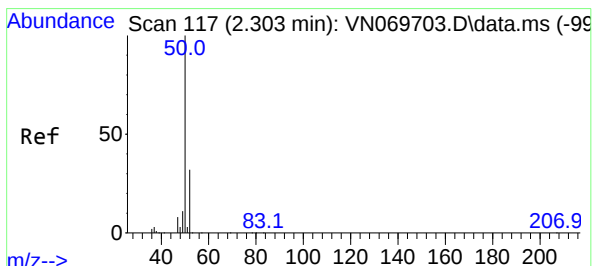
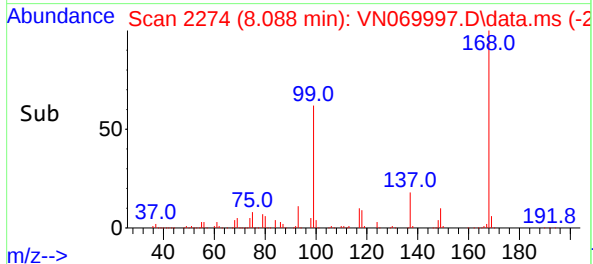
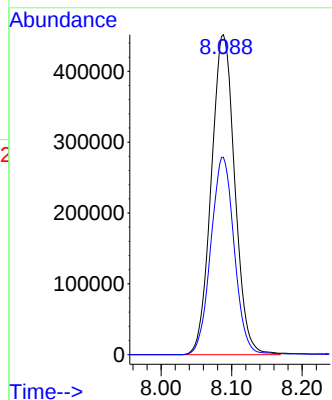


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

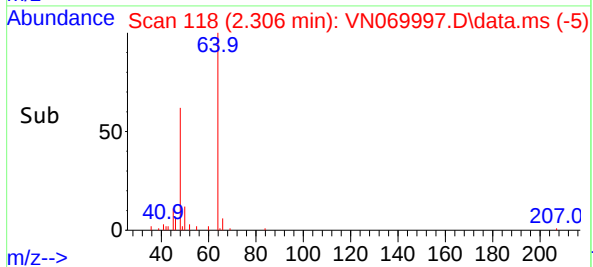
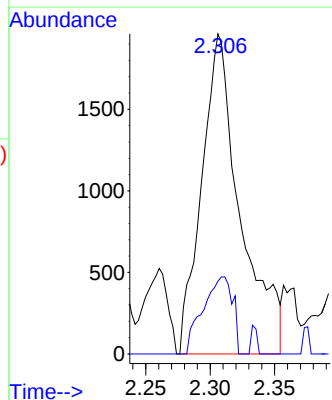
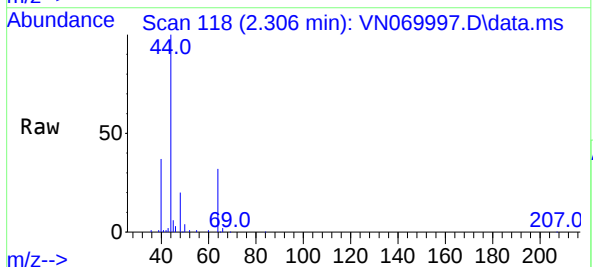


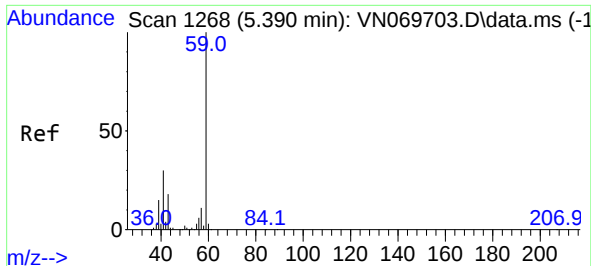
Tgt Ion:168 Resp: 1046402
Ion Ratio Lower Upper
168 100
99 61.7 41.3 61.9



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Tgt Ion: 50 Resp: 4087
Ion Ratio Lower Upper
50 100
52 22.7 25.4 38.0#

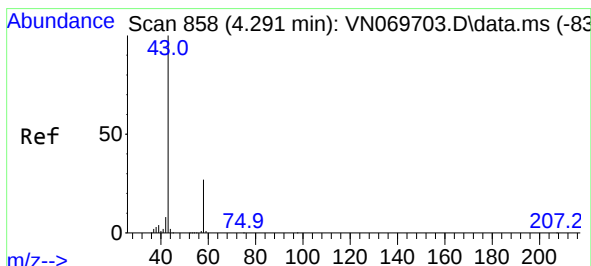
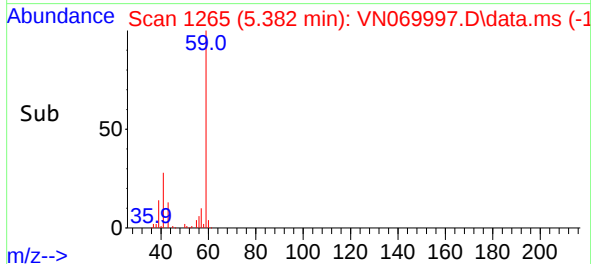
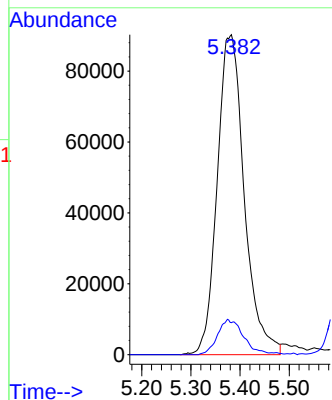
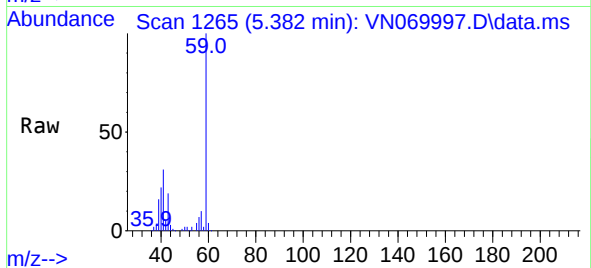




#11
Tert butyl alcohol
Concen: 112.871 ug/l
RT: 5.382 min Scan# 11
Delta R.T. -0.008 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

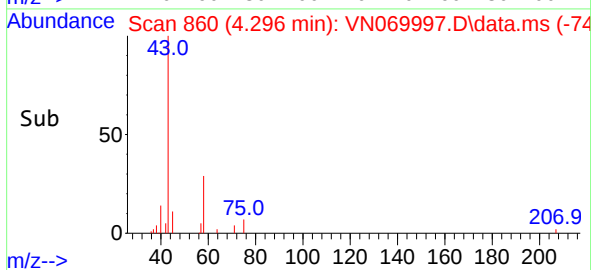
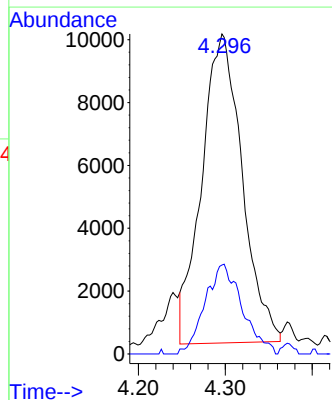
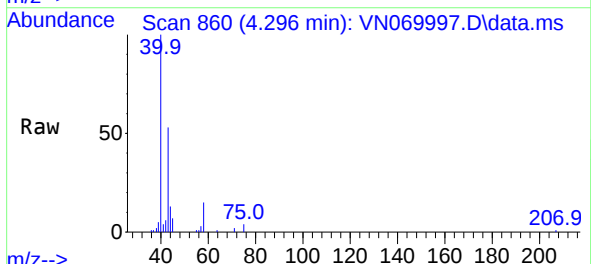
Instrument :
MSVOA_N
ClientSampleId :

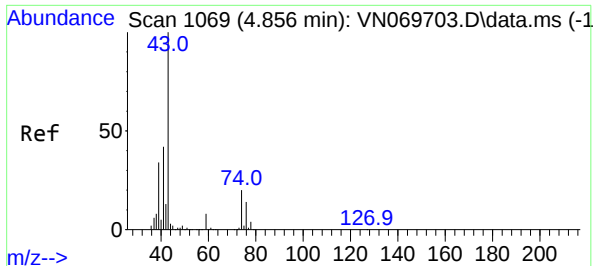
Tgt Ion: 59 Resp: 344705
Ion Ratio Lower Upper
59 100
57 5.6 8.7 13.1#



#16
Acetone
Concen: 3.266 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Tgt Ion: 43 Resp: 31741
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7

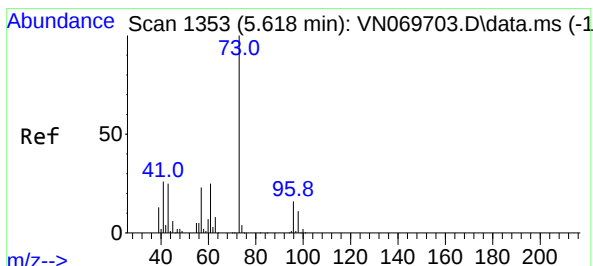
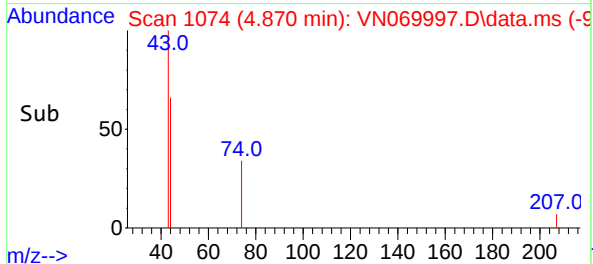
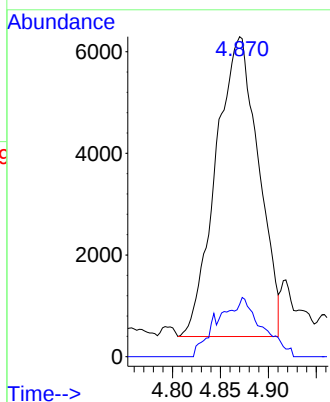
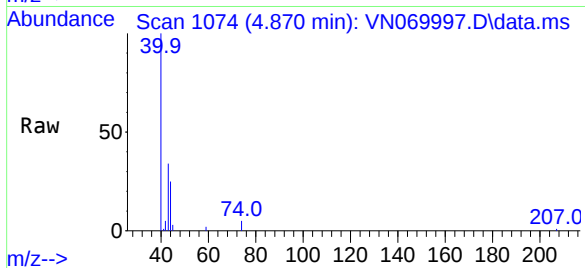




#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 4.870 min Scan# 1069
Delta R.T. 0.014 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

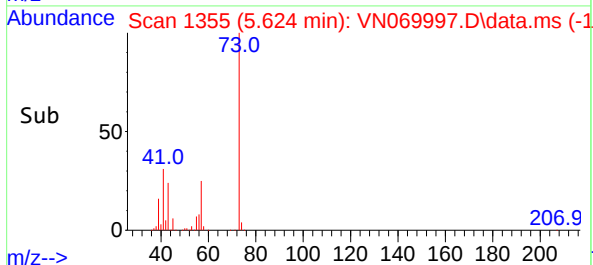
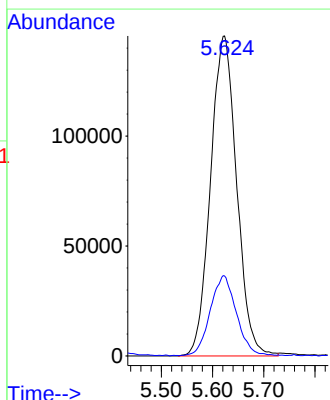
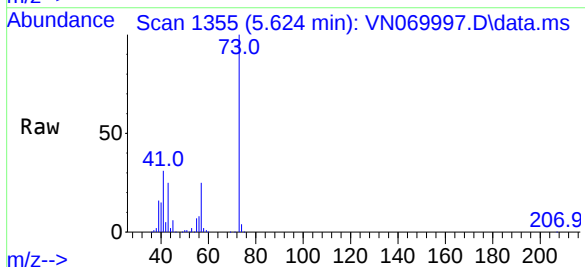
Instrument :
MSVOA_N
ClientSampleId :

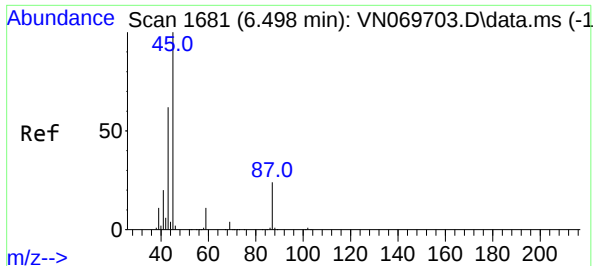
Tgt Ion: 43 Resp: 18224
Ion Ratio Lower Upper
43 100
74 16.3 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 13.329 ug/l
RT: 5.624 min Scan# 1355
Delta R.T. 0.005 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

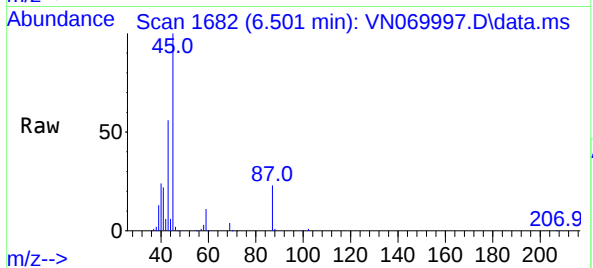
Tgt Ion: 73 Resp: 516587
Ion Ratio Lower Upper
73 100
57 24.9 16.8 25.2



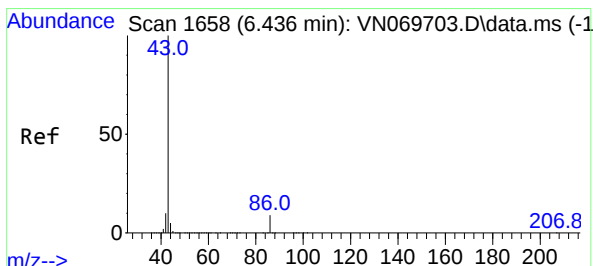
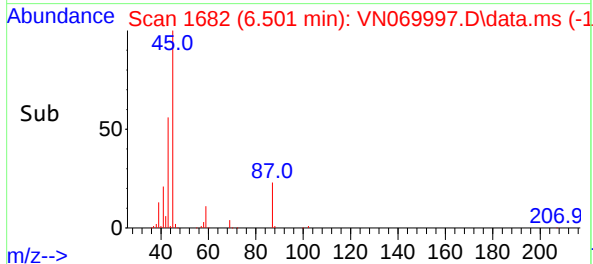
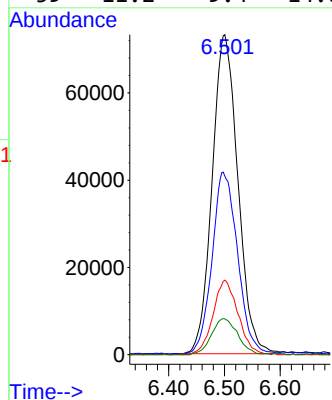


#22
Diisopropyl ether
Concen: 5.339 ug/l
RT: 6.501 min Scan# 1
Delta R.T. 0.003 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

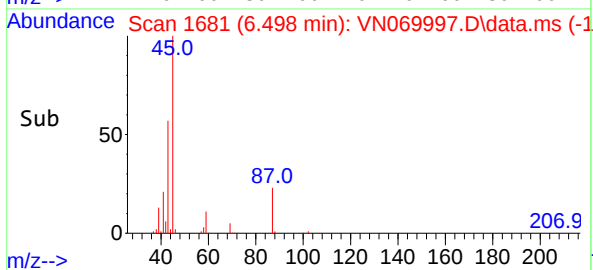
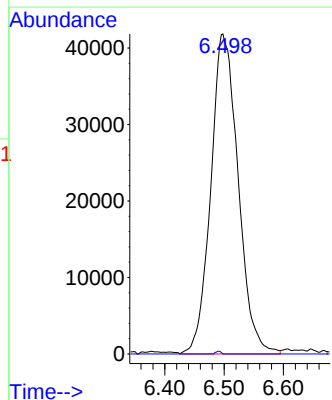
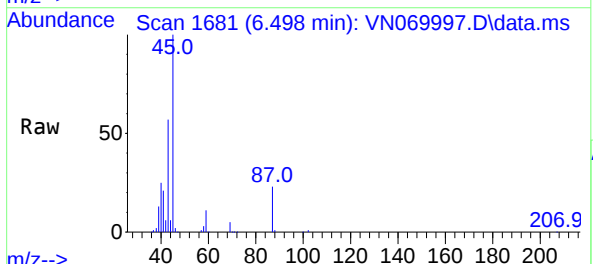


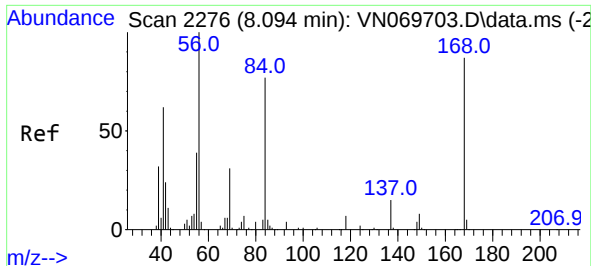
Tgt Ion: 45 Resp: 234375
Ion Ratio Lower Upper
45 100
43 55.7 51.7 77.5
87 23.4 23.2 34.8
59 11.2 9.4 14.0



#23
Vinyl Acetate
Concen: 3.755 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.062 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

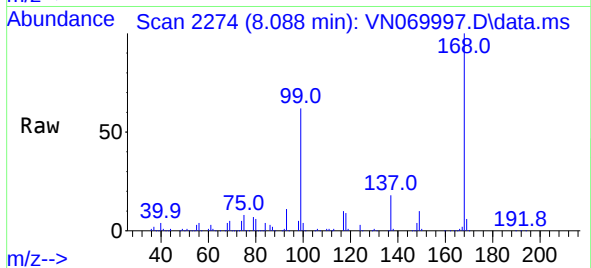
Tgt Ion: 43 Resp: 134116
Ion Ratio Lower Upper
43 100
86 0.0 8.5 12.7#



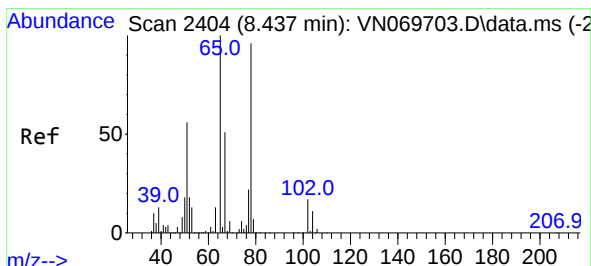
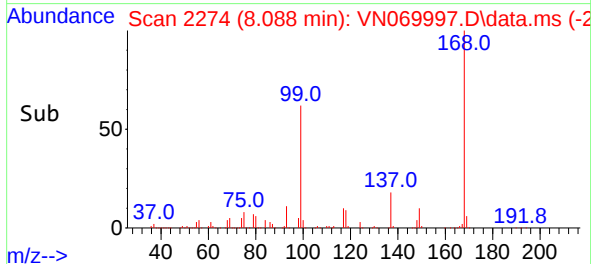
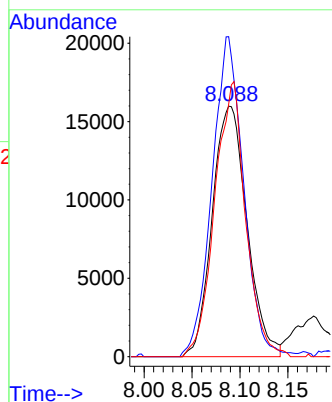


#31
Cyclohexane
Concen: 1.790 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
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ClientSampleId :

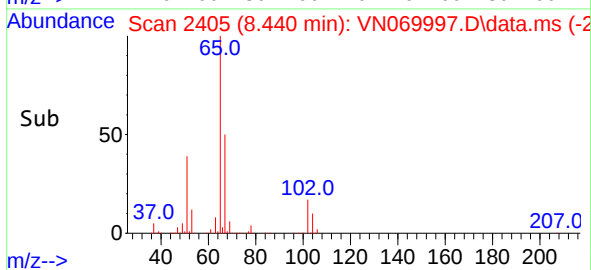
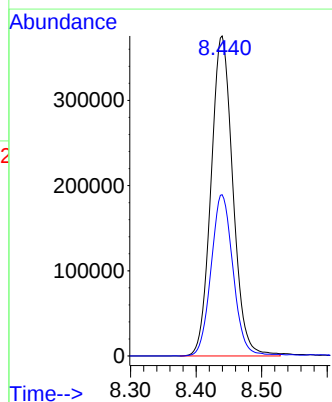
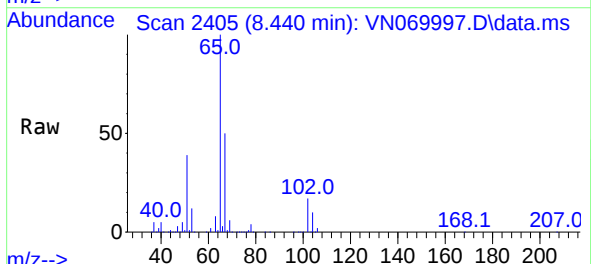


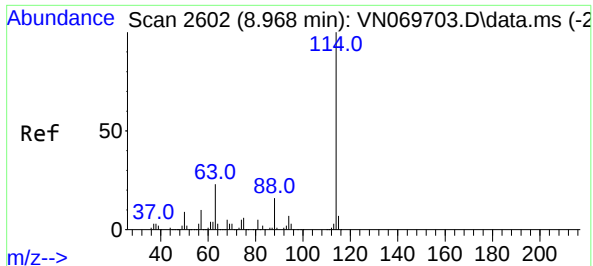
Tgt Ion: 56 Resp: 40242
Ion Ratio Lower Upper
56 100
69 127.7 27.1 40.7#
84 100.8 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 53.841 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

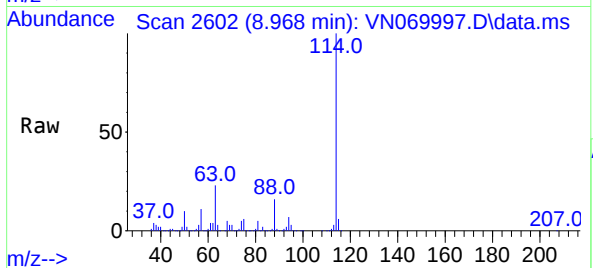
Tgt Ion: 65 Resp: 869872
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





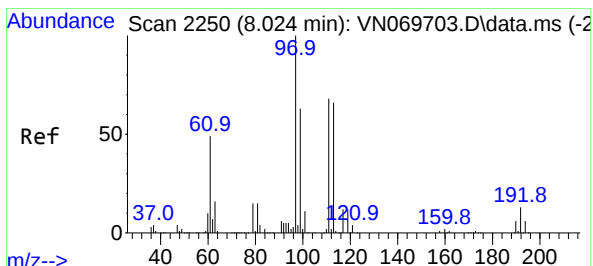
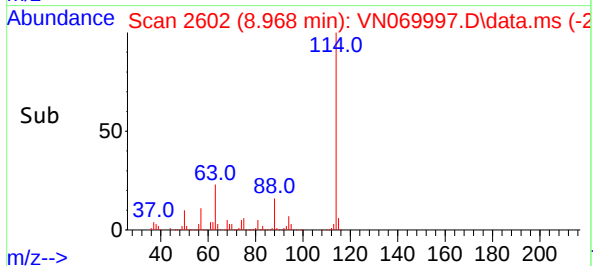
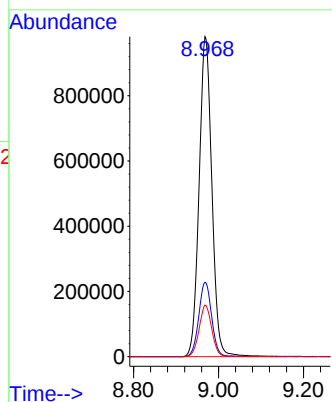
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2047057
Delta R.T. -0.000 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

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Tgt Ion:114 Resp: 2047057

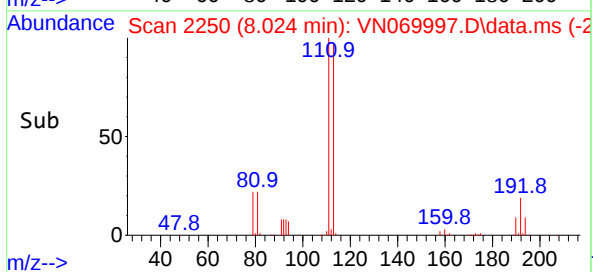
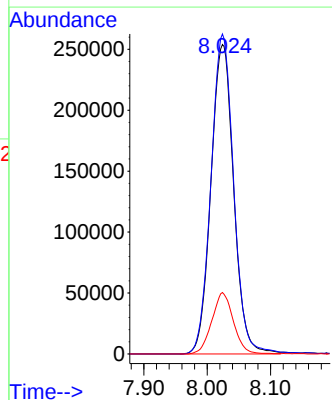
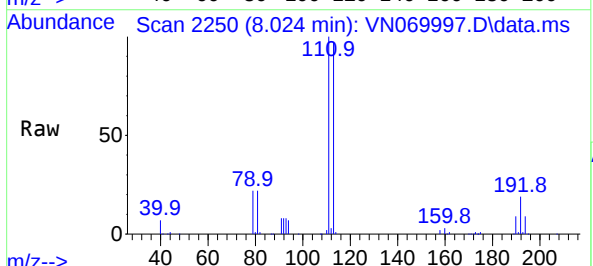
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	37.8
88	16.1	0.0	27.4

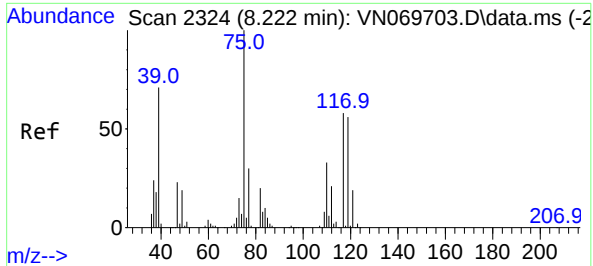


#35
Dibromofluoromethane
Concen: 49.378 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Tgt Ion:113 Resp: 633137

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	18.9	16.9	25.3

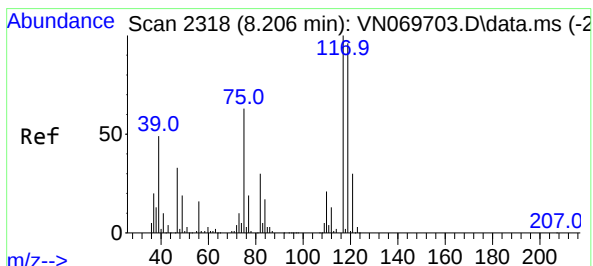
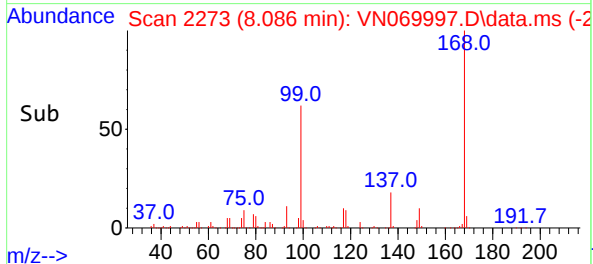
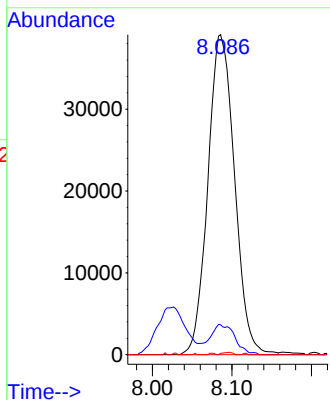
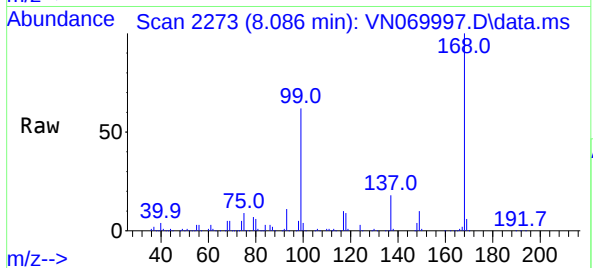




#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 8.086 min Scan# 2113
Delta R.T. -0.137 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

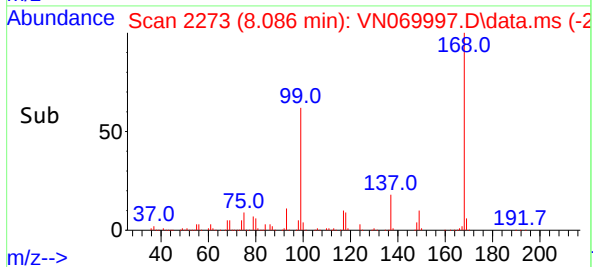
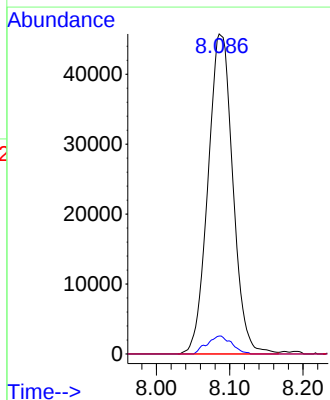
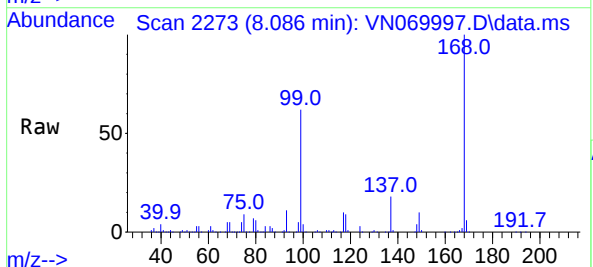
Instrument :
MSVOA_N
ClientSampleId :

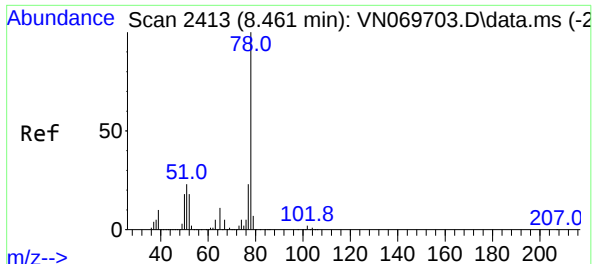
Tgt Ion: 75 Resp: 91113
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Tgt Ion:117 Resp: 107988
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#

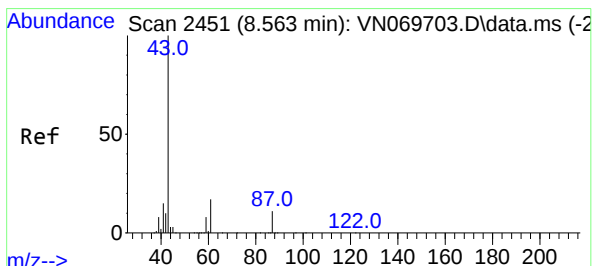
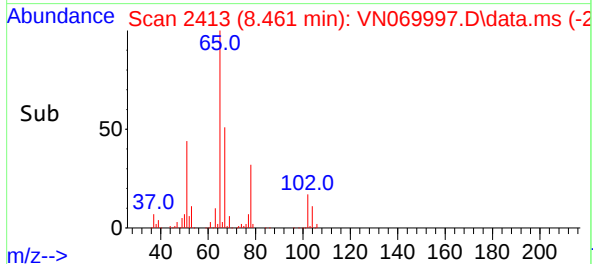
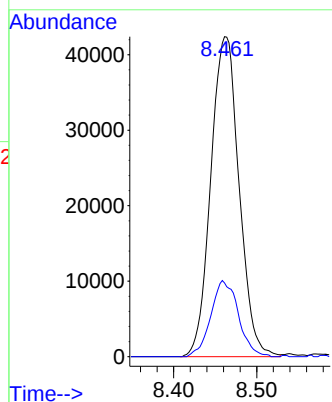
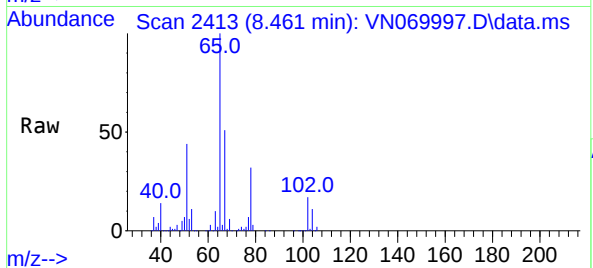




#40
Benzene
Concen: 1.684 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

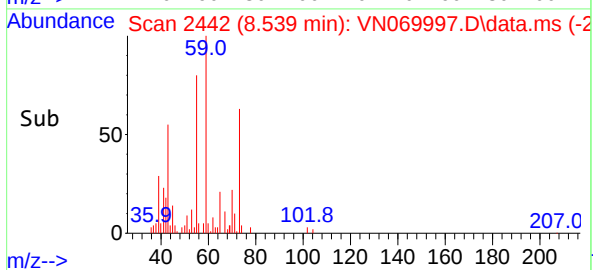
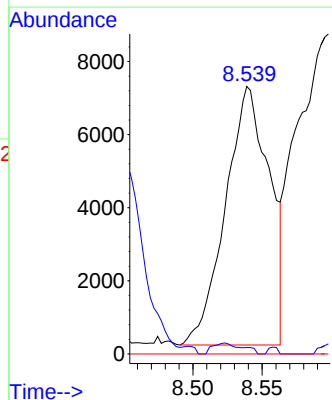
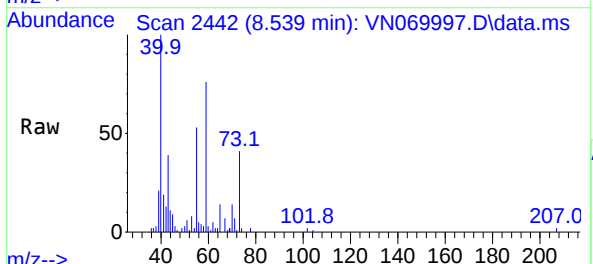
Instrument :
MSVOA_N
ClientSampleId :

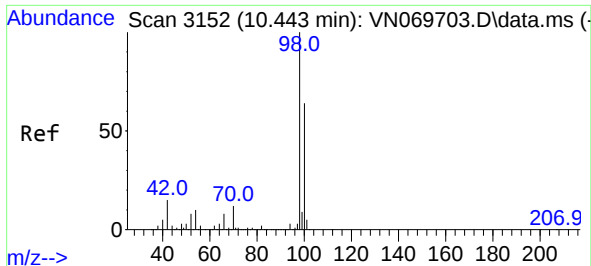
Tgt Ion: 78 Resp: 100310
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8



#43
Isopropyl Acetate
Concen: 0.364 ug/l
RT: 8.539 min Scan# 2442
Delta R.T. -0.024 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

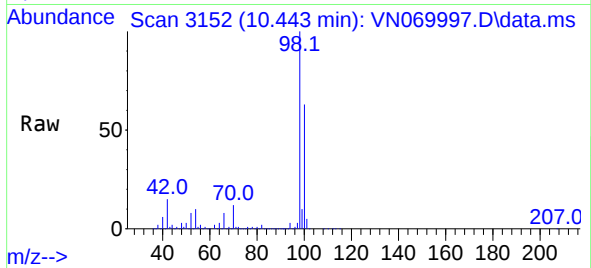
Tgt Ion: 43 Resp: 15603
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



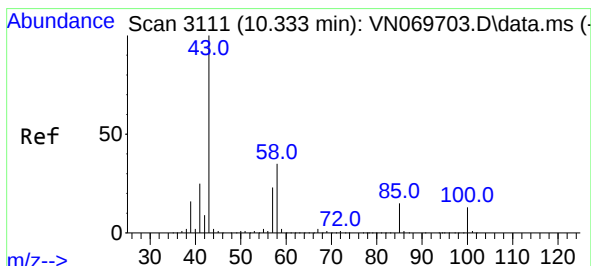
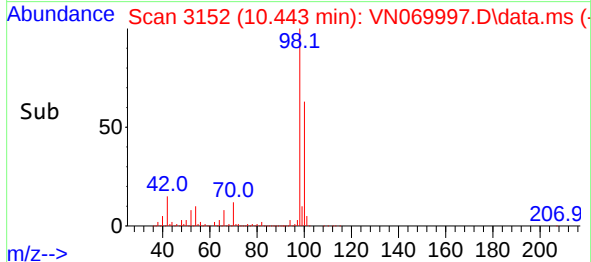
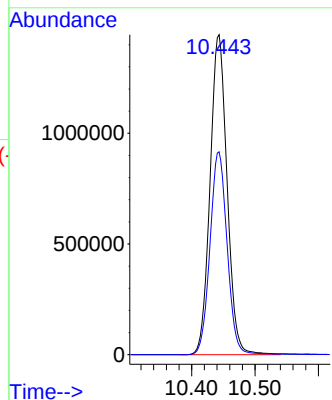


#50
Toluene-d8
Concen: 52.372 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

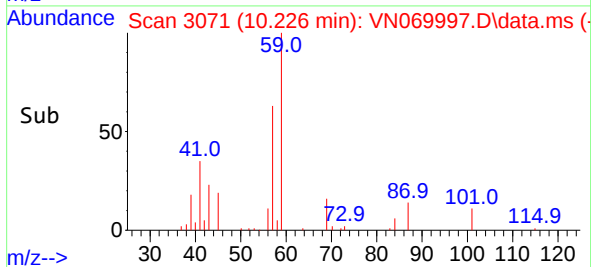
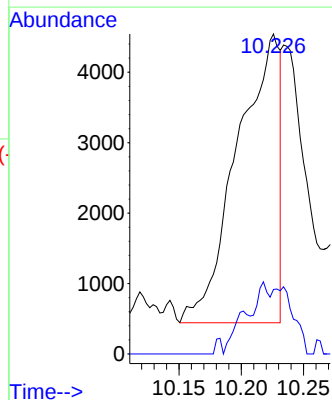
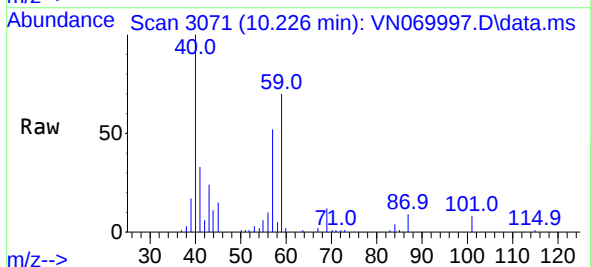


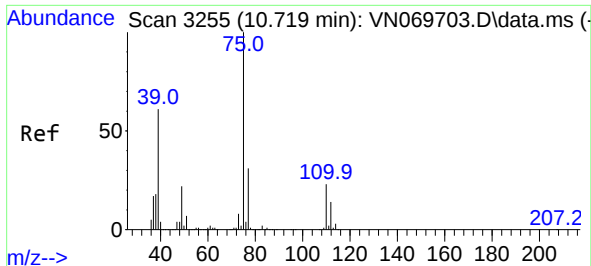
Tgt Ion: 98 Resp: 2696442
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.349 ug/l
RT: 10.226 min Scan# 3071
Delta R.T. -0.107 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Tgt Ion: 43 Resp: 9722
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

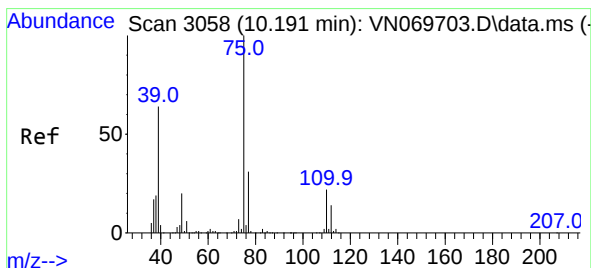
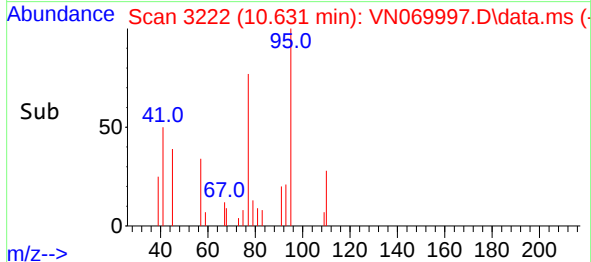
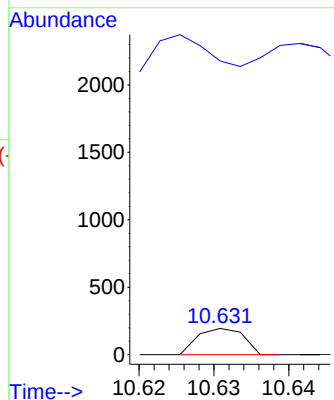
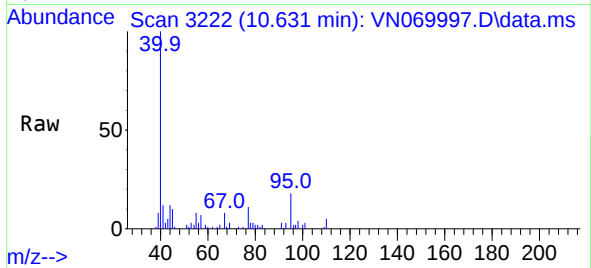




#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.631 min Scan# 3153
Delta R.T. -0.088 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

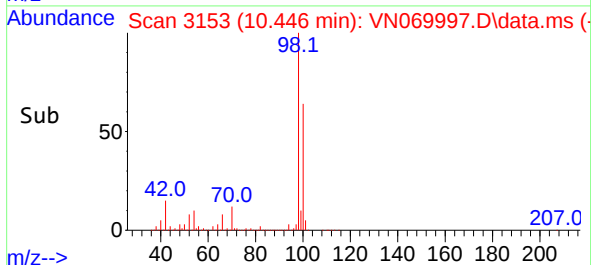
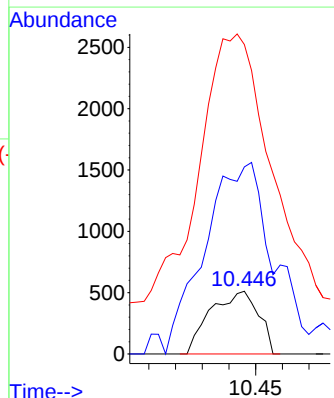
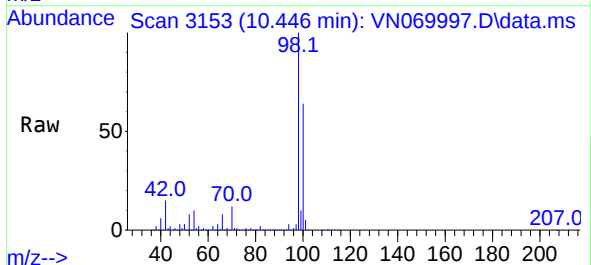
Instrument :
MSVOA_N
ClientSampleId :

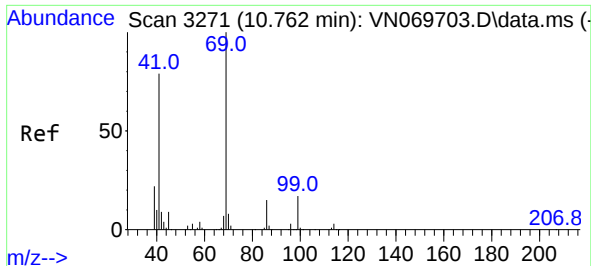
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.023 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

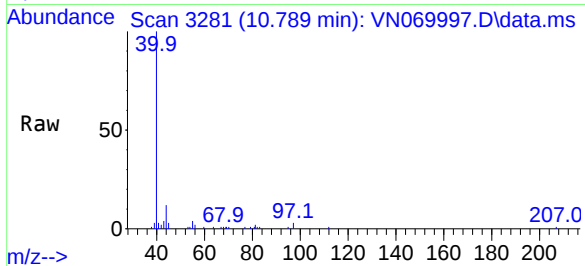
Tgt Ion: 75 Resp: 639
Ion Ratio Lower Upper
75 100
77 217.0 26.4 39.6#
39 335.6 42.5 63.7#



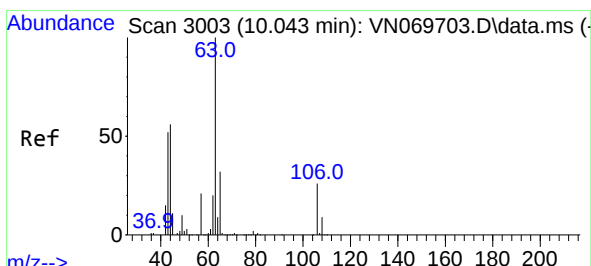
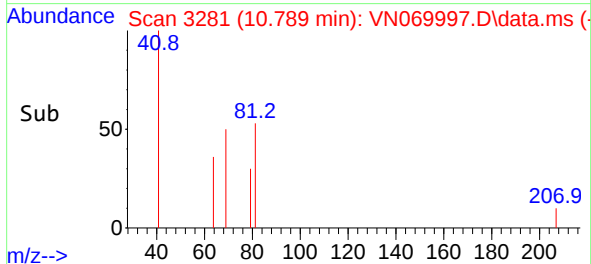
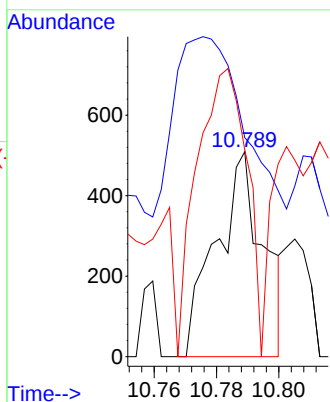


#56
Ethyl methacrylate
Concen: 2.297 ug/l
RT: 10.789 min Scan# 31
Delta R.T. 0.027 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

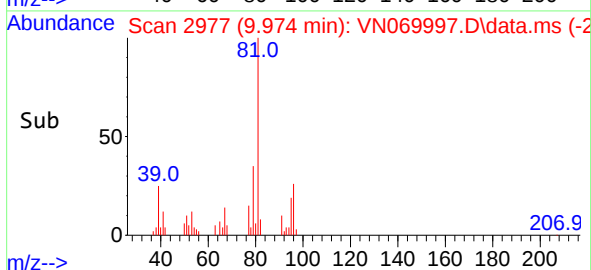
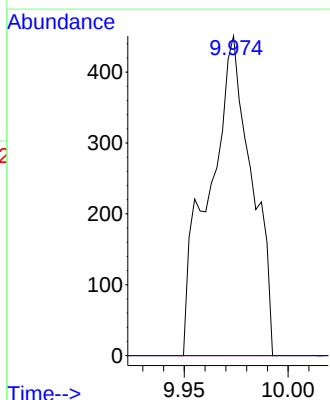
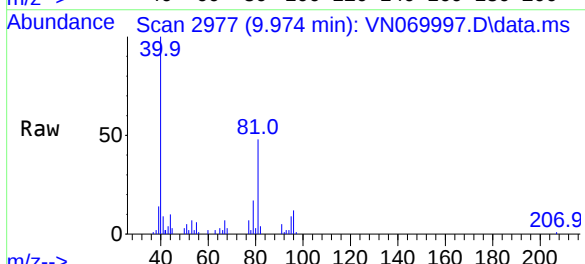


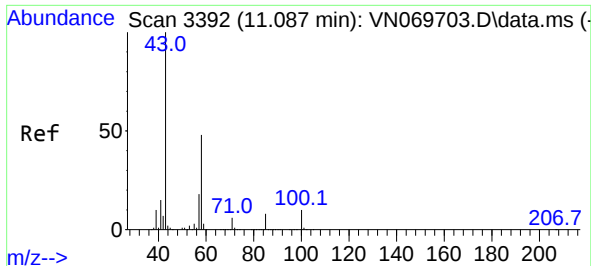
Tgt Ion: 69 Resp: 527
Ion Ratio Lower Upper
69 100
41 128.1 51.4 77.0#
39 150.3 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.469 ug/l
RT: 9.974 min Scan# 2977
Delta R.T. -0.069 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

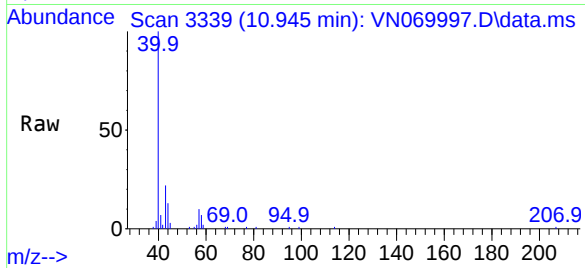
Tgt Ion: 63 Resp: 645
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



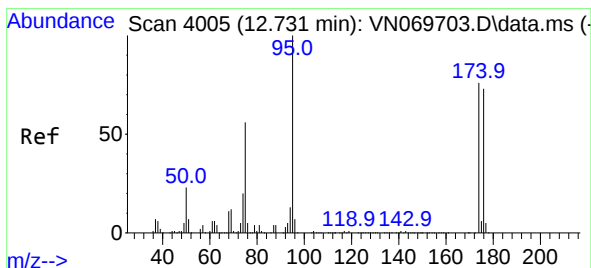
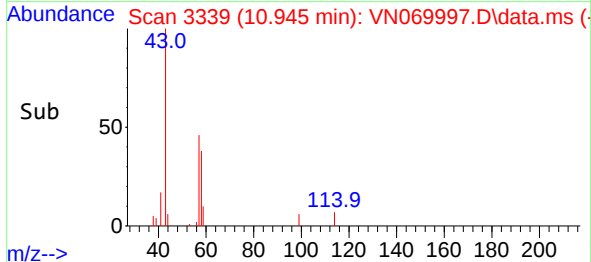
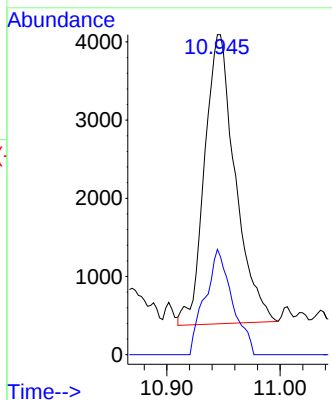


#59
2-Hexanone
Concen: 0.330 ug/l
RT: 10.945 min Scan# 3339
Delta R.T. -0.142 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

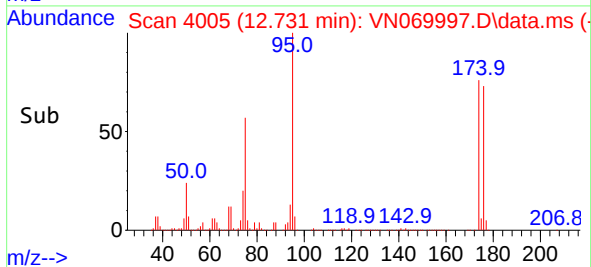
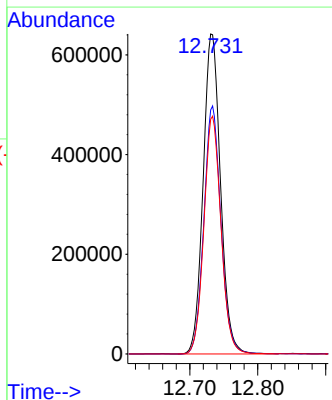
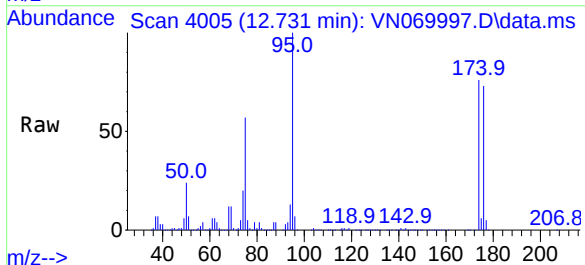


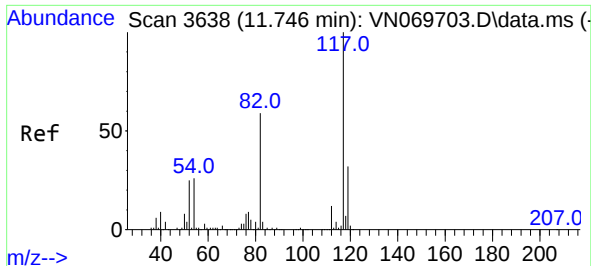
Tgt Ion: 43 Resp: 6956
Ion Ratio Lower Upper
43 100
58 32.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 61.136 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

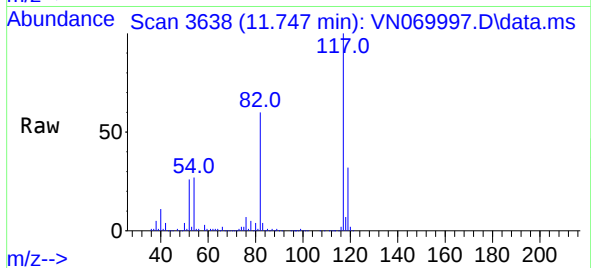
Tgt Ion: 95 Resp: 1140315
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.3 0.0 181.4



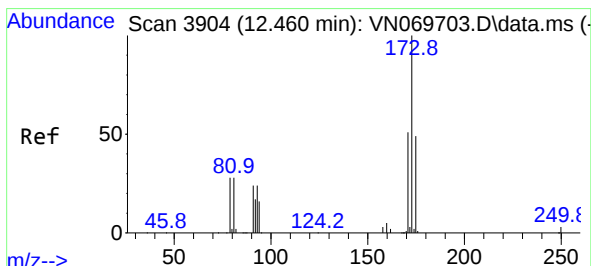
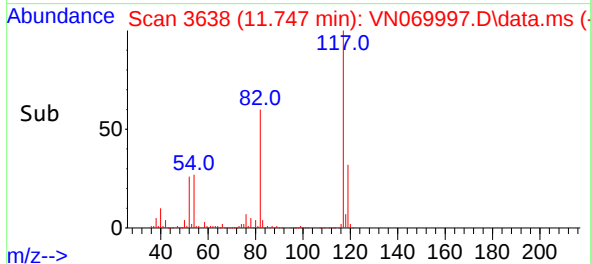
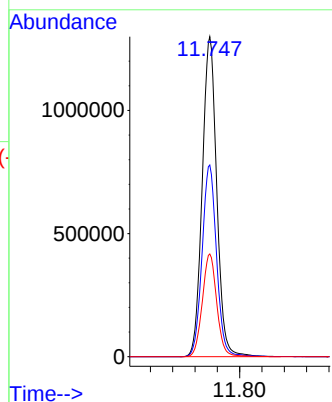


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.001 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

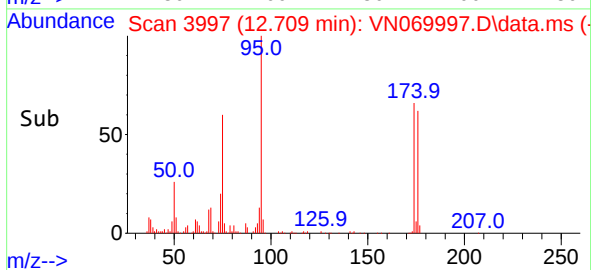
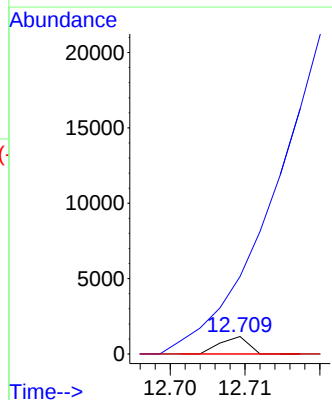
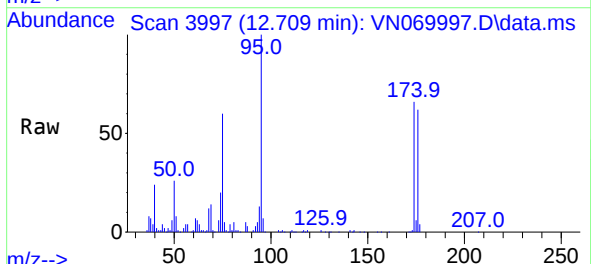


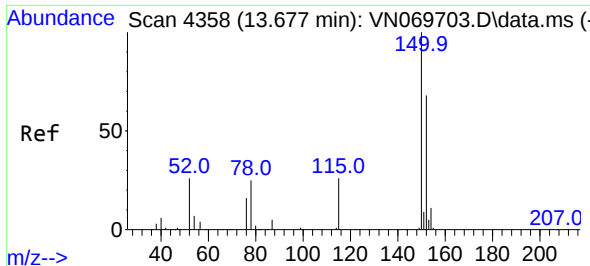
Tgt Ion:117 Resp: 2343296
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 2.751 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

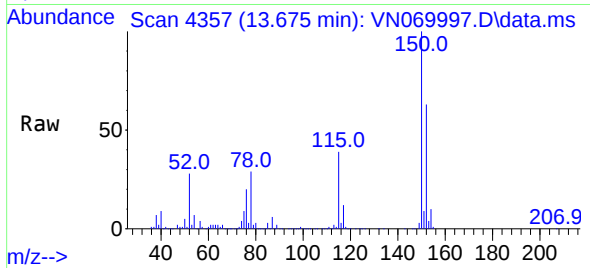
Tgt Ion:173 Resp: 303
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



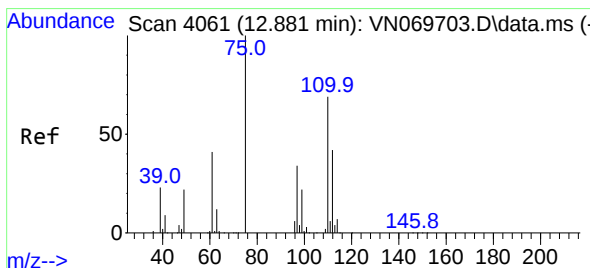
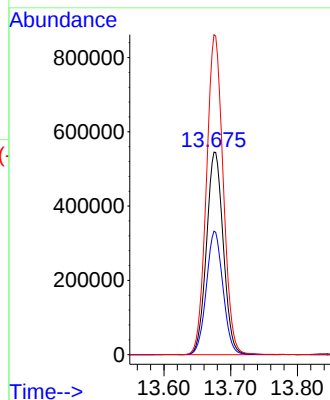
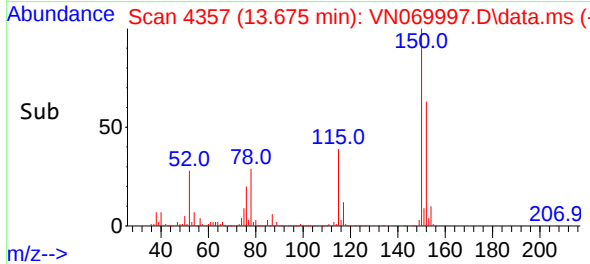


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

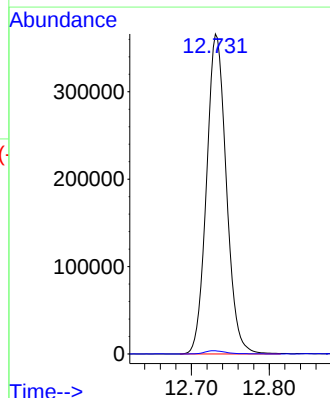
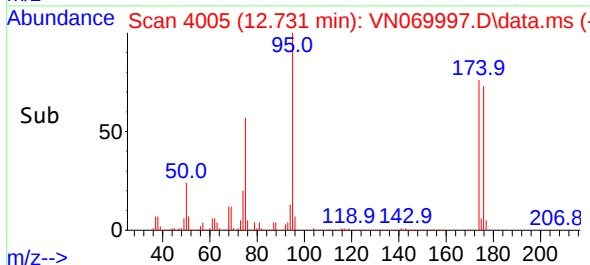
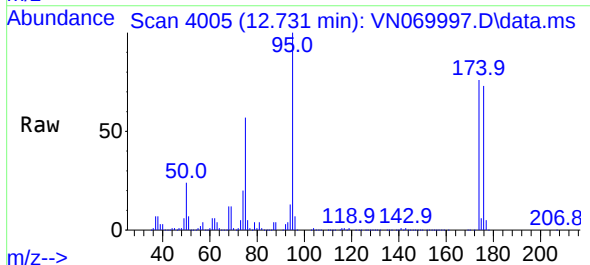


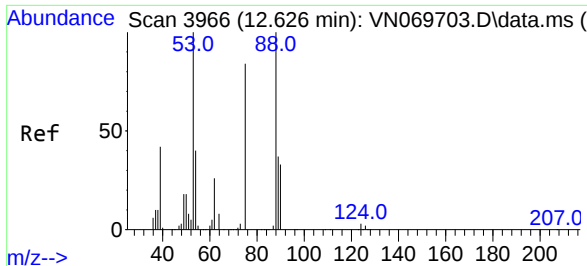
Tgt Ion:152 Resp: 953317
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.681 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

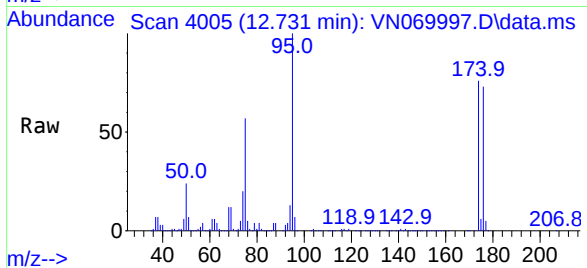
Tgt Ion: 75 Resp: 647422
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



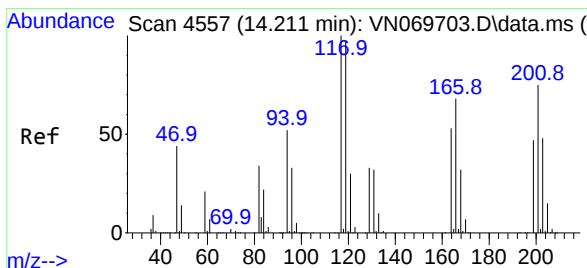
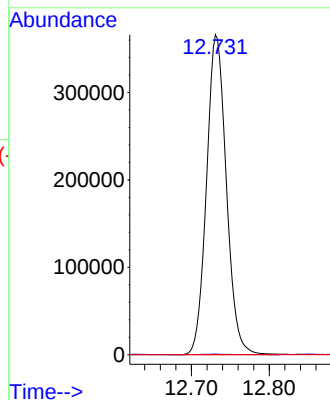
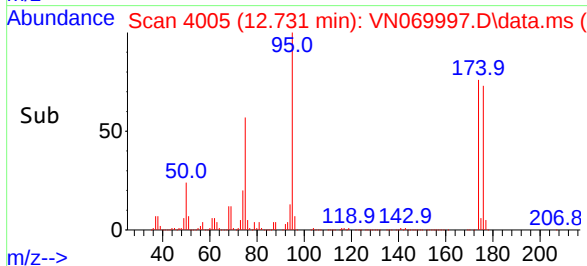


#81
trans-1,4-Dichloro-2-butene
Concen: 75.272 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

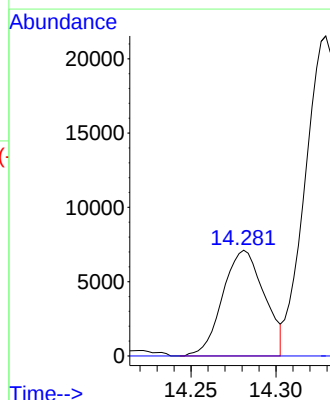
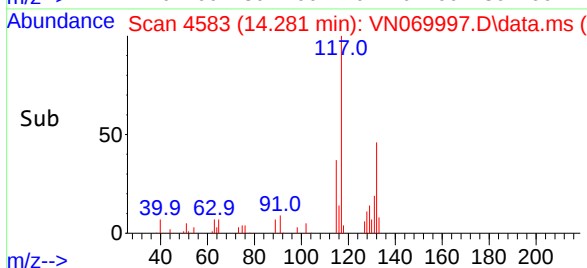
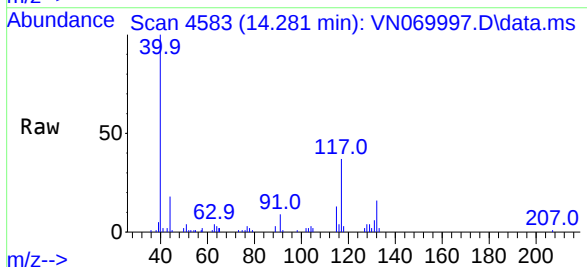


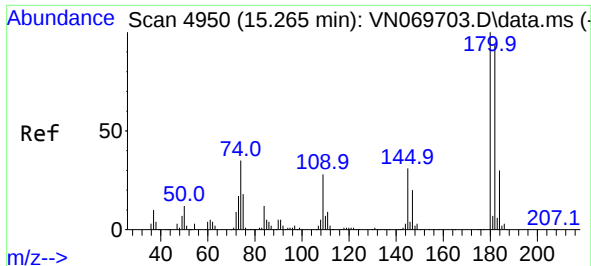
Tgt Ion: 75 Resp: 647422
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 1.083 ug/l
RT: 14.281 min Scan# 4583
Delta R.T. 0.070 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

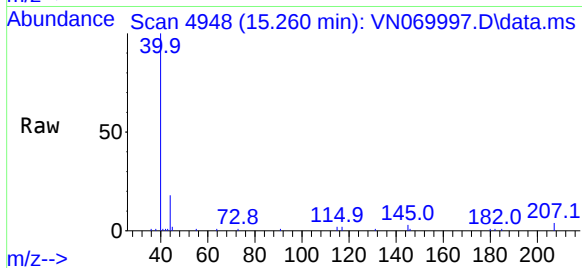
Tgt Ion: 117 Resp: 12188
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



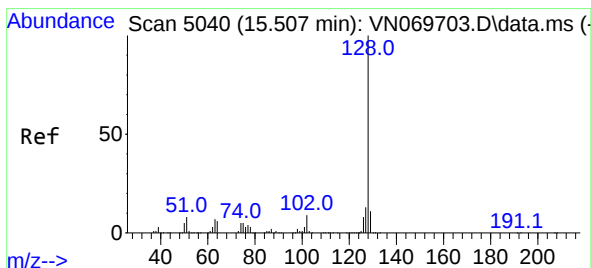
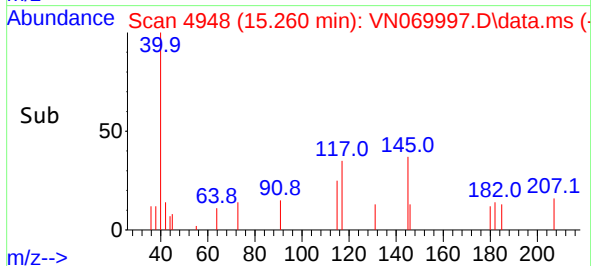
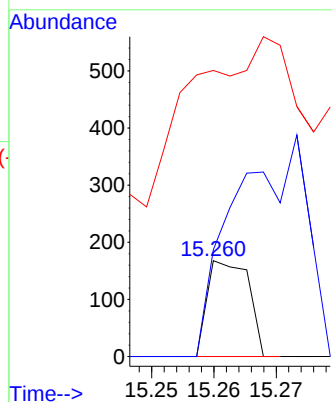


#93
1,2,4-Trichlorobenzene
Concen: 2.883 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

Instrument :
MSVOA_N
ClientSampleId :

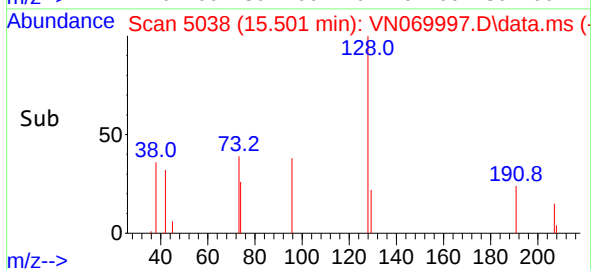
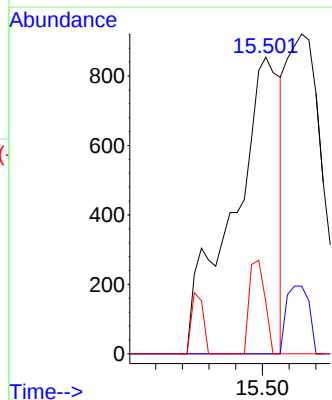
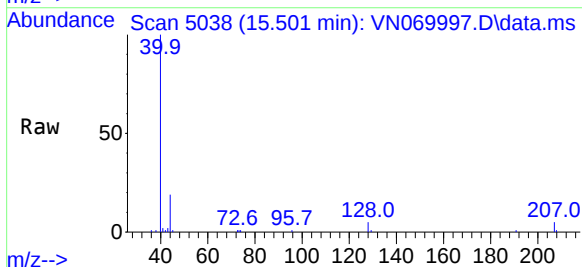


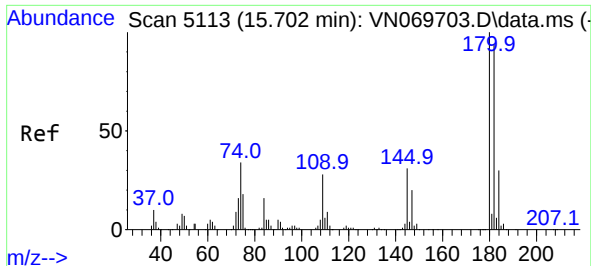
Tgt Ion:180 Resp: 77
Ion Ratio Lower Upper
180 100
182 405.2 48.3 144.9#
145 1313.0 14.5 43.5#



#95
Naphthalene
Concen: 4.006 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069997.D
Acq: 11 Dec 2021 9:24

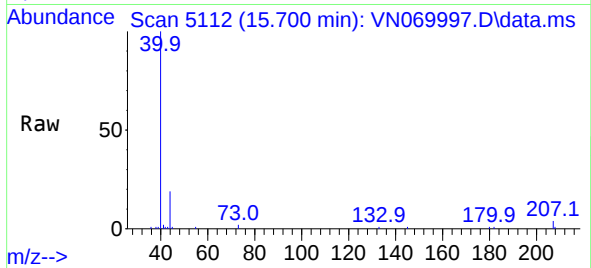
Tgt Ion:128 Resp: 1052
Ion Ratio Lower Upper
128 100
127 10.9 10.5 15.7
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.451 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.002 min
 Lab File: VN069997.D
 Acq: 11 Dec 2021 9:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 240
 Ion Ratio Lower Upper
 180 100
 182 122.9 47.4 142.2
 145 51.2 15.0 45.1#

