

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069745.D
 Acq On : 4 Dec 2021 3:31
 Operator : JC/MD
 Sample : M4919-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:41:43 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)

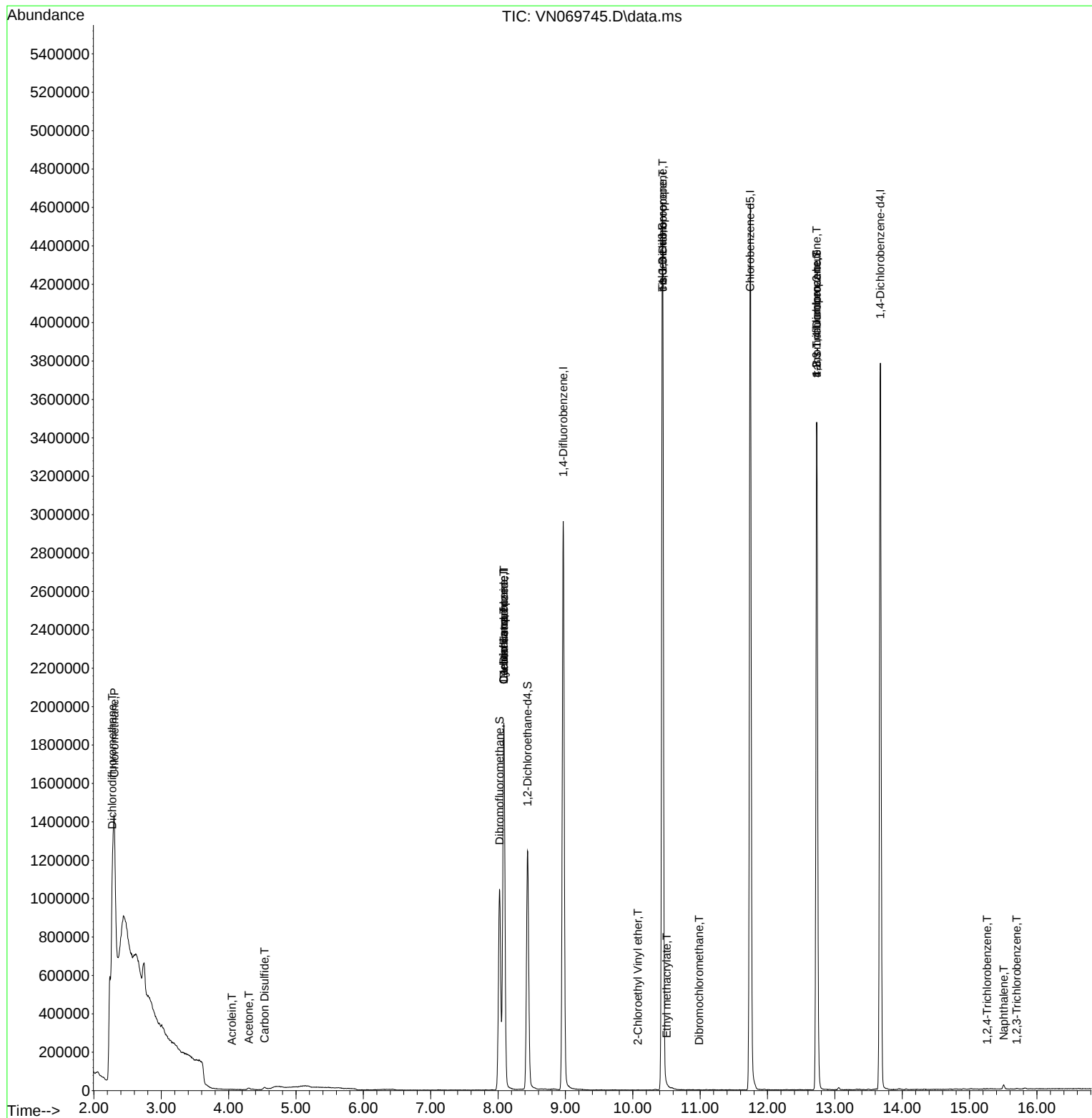
Internal Standards						
1) Pentafluorobenzene	8.086	168	1427070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2508532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2609409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	995824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1081336	49.076	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.160%		
35) Dibromofluoromethane	8.021	113	760671	48.411	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.820%		
50) Toluene-d8	10.440	98	3219606	51.030	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.060%		
62) 4-Bromofluorobenzene	12.731	95	1206912	52.803	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.271	85	28878	1.735	ug/l	99
3) Chloromethane	2.303	50	60581	2.905	ug/l #	51
13) Acrolein	4.047	56	757	0.213	ug/l #	80
16) Acetone	4.299	43	12004	0.906	ug/l	92
17) Carbon Disulfide	4.535	76	28099	0.800	ug/l	99
31) Cyclohexane	8.083	56	36562	1.192	ug/l #	22
36) 1,1-Dichloropropene	8.083	75	122755	5.140	ug/l #	49
38) Carbon Tetrachloride	8.088	117	147035	6.279	ug/l #	16
53) t-1,3-Dichloropropene	10.443	75	960	2.825	ug/l #	1
54) cis-1,3-Dichloropropene	10.443	75	1035	2.031	ug/l #	1
56) Ethyl methacrylate	10.502	69	147	2.283	ug/l #	83
58) 2-Chloroethyl Vinyl ether	10.076	63	51	18.394	ug/l #	45
60) Dibromochloromethane	10.985	129	147	2.383	ug/l #	11
76) 1,2,3-Trichloropropane	12.731	75	680377	23.824	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	680377	75.702	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	688	2.918	ug/l	93
95) Naphthalene	15.507	128	18426	4.334	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	872	2.488	ug/l	91

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

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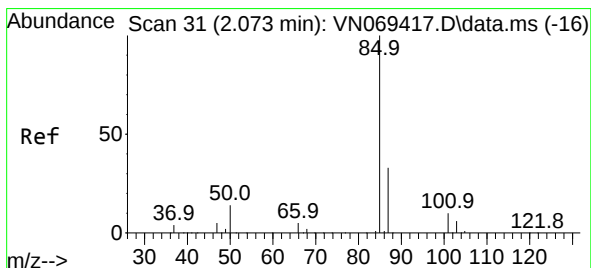
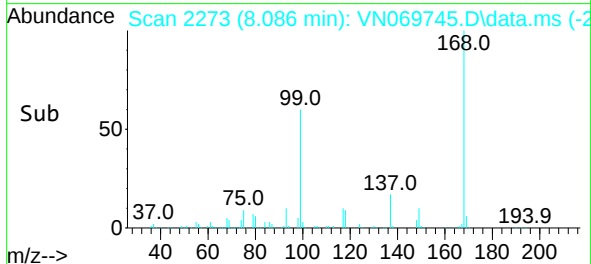
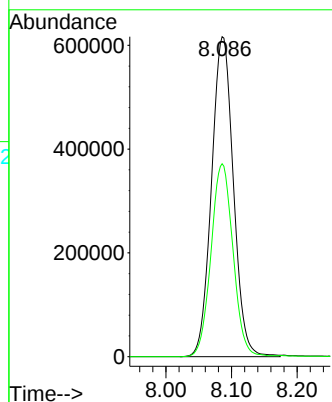
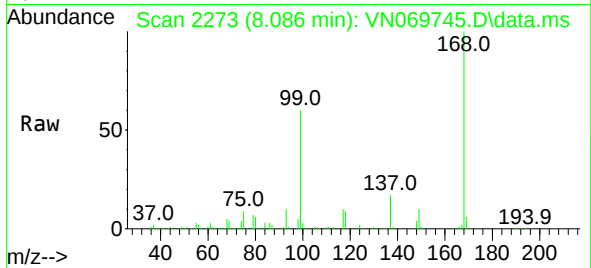




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

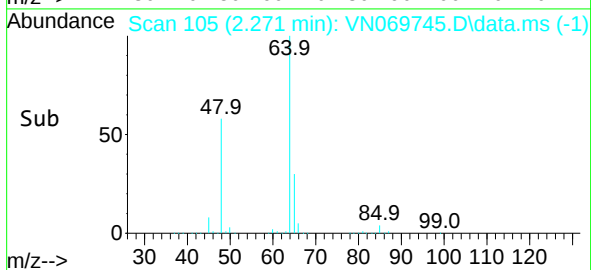
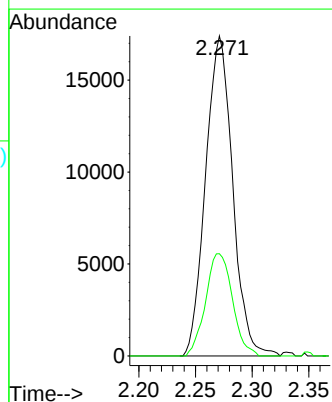
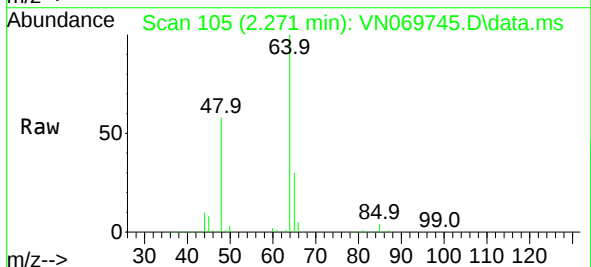
Instrument :
MSVOA_N
ClientSampleId :

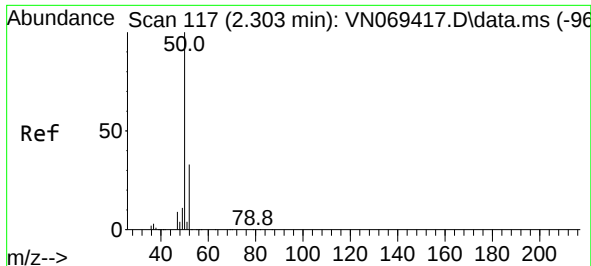
Tgt Ion:168 Resp: 1427070
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.735 ug/l
RT: 2.271 min Scan# 105
Delta R.T. 0.199 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Tgt Ion: 85 Resp: 28878
Ion Ratio Lower Upper
85 100
87 32.0 16.3 48.9

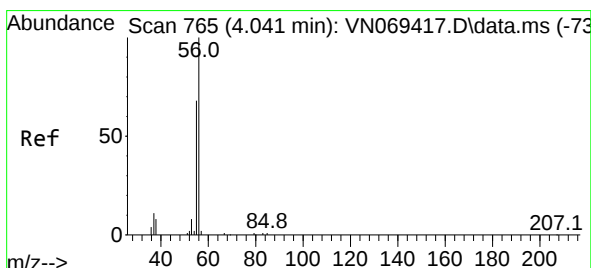
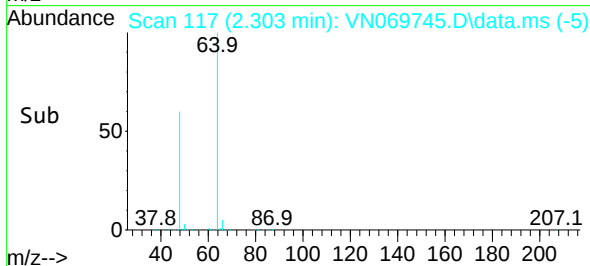
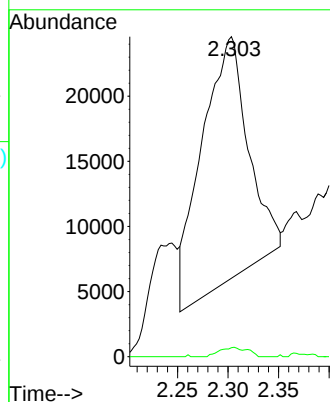
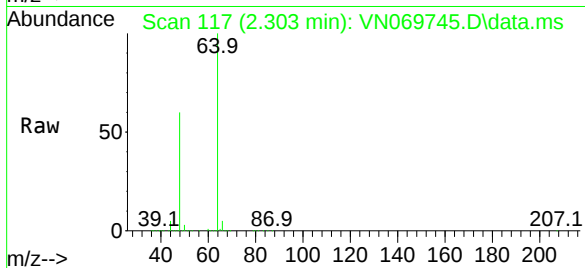




#3
Chloromethane
Concen: 2.905 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

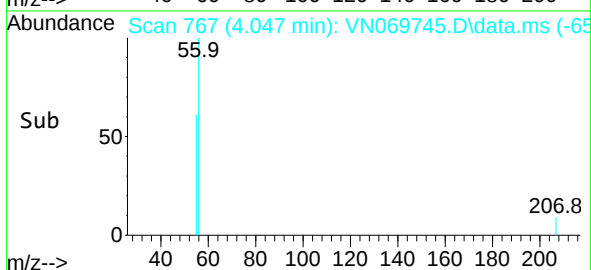
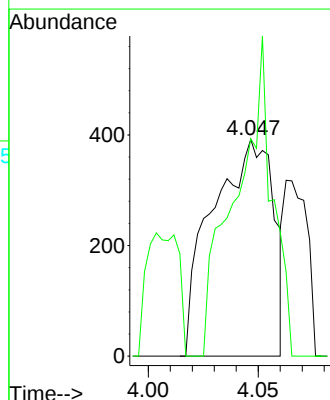
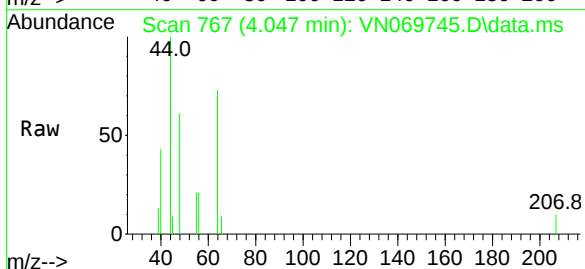
Instrument :
MSVOA_N
ClientSampleId :

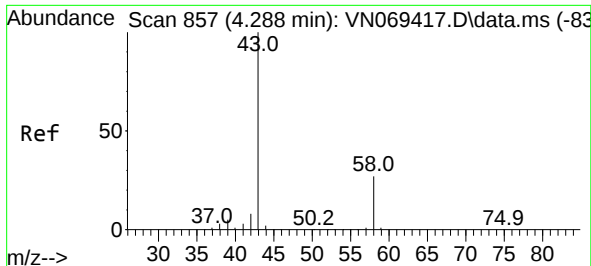
Tgt Ion: 50 Resp: 60581
Ion Ratio Lower Upper
50 100
52 4.2 25.4 38.0#



#13
Acrolein
Concen: 0.213 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
55 86.9 56.6 85.0#

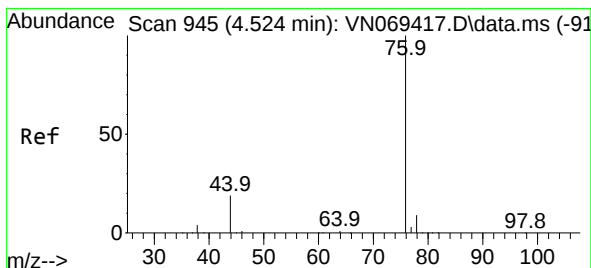
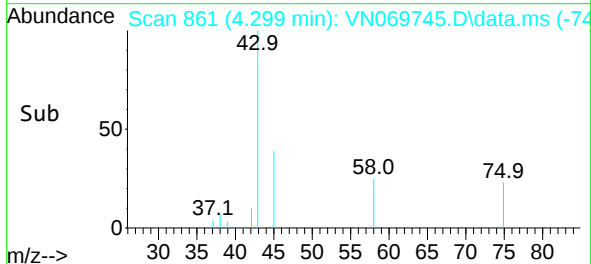
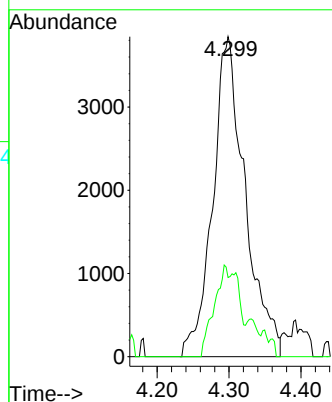
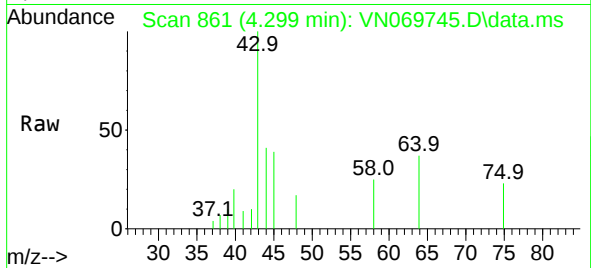




#16
Acetone
Concen: 0.906 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

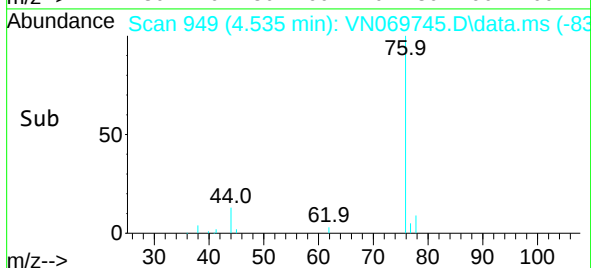
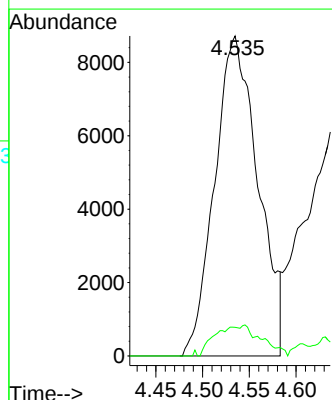
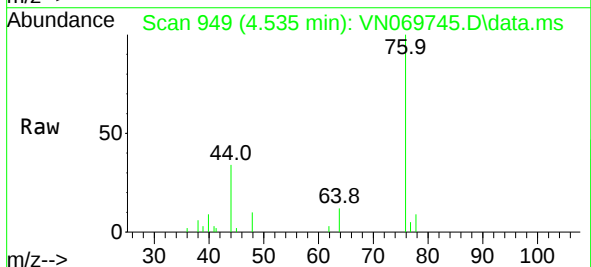
Instrument :
MSVOA_N
ClientSampleId :

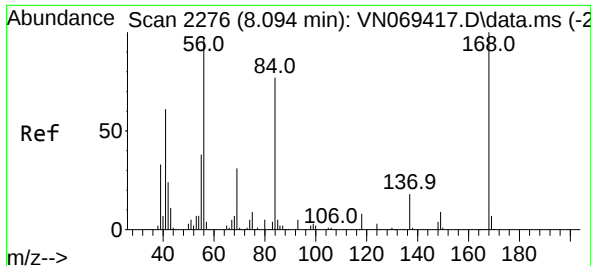
Tgt Ion: 43 Resp: 12004
Ion Ratio Lower Upper
43 100
58 24.8 23.1 34.7



#17
Carbon Disulfide
Concen: 0.800 ug/l
RT: 4.535 min Scan# 949
Delta R.T. 0.011 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

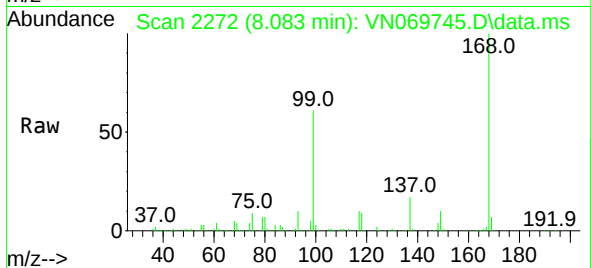
Tgt Ion: 76 Resp: 28099
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



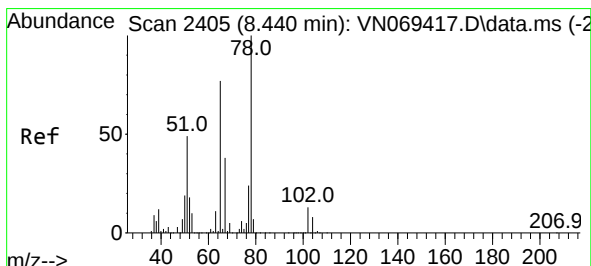
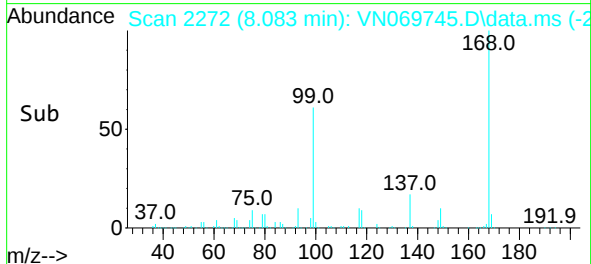
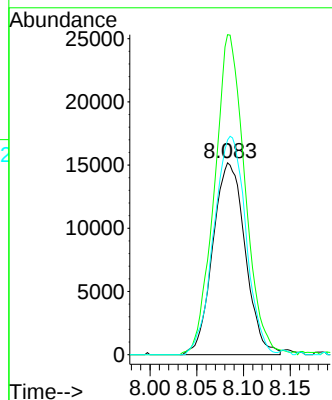


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Instrument :
MSVOA_N
ClientSampleId :

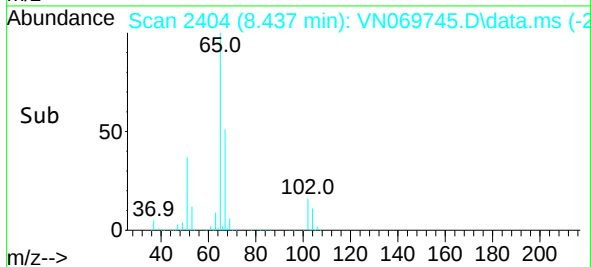
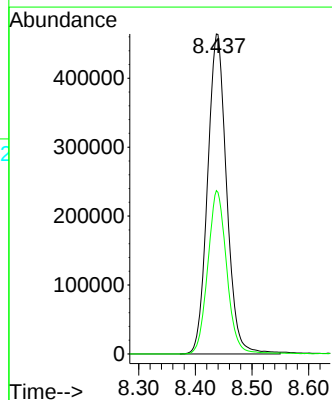
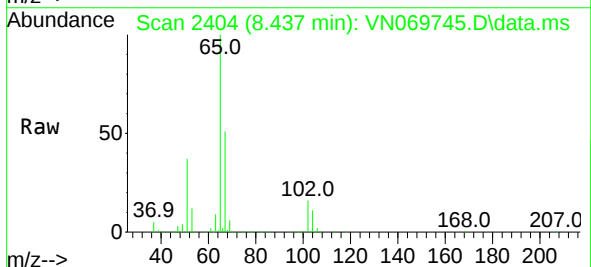


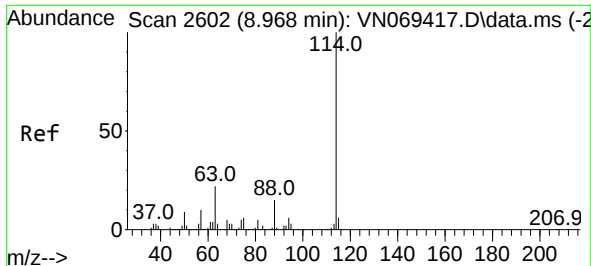
Tgt Ion: 56 Resp: 36562
Ion Ratio Lower Upper
56 100
69 166.8 27.1 40.7#
84 111.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.076 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

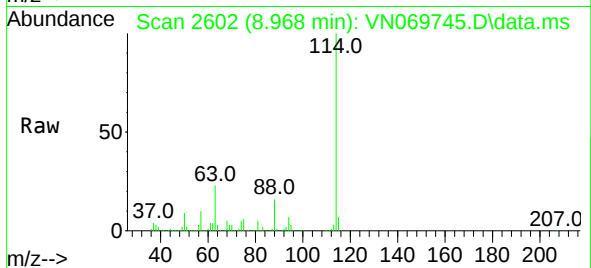
Tgt Ion: 65 Resp: 1081336
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0





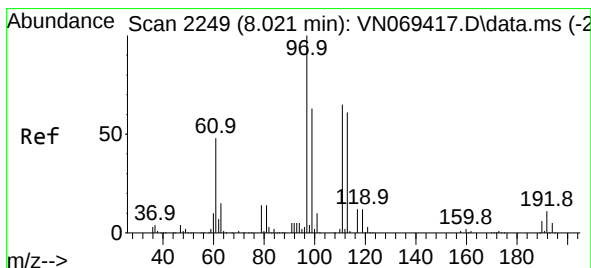
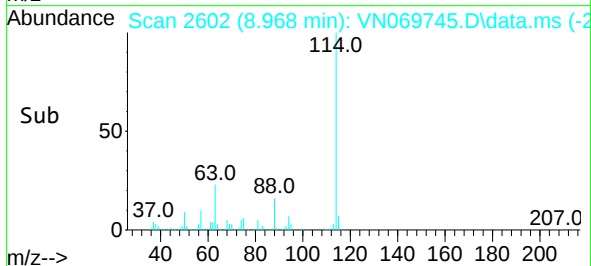
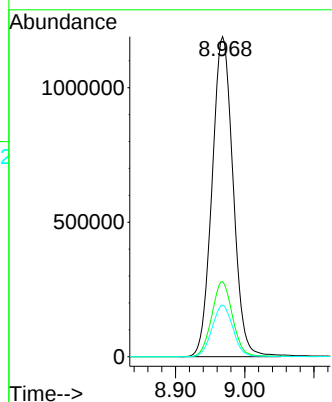
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 2508532

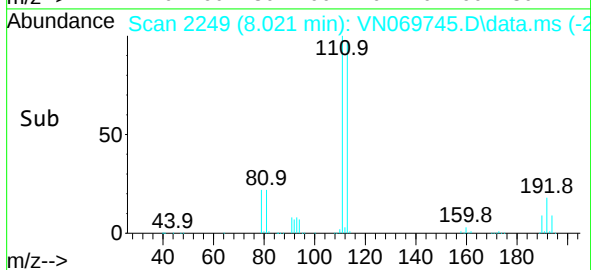
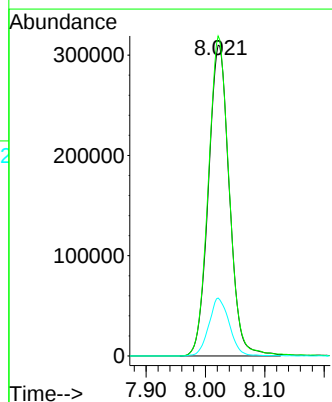
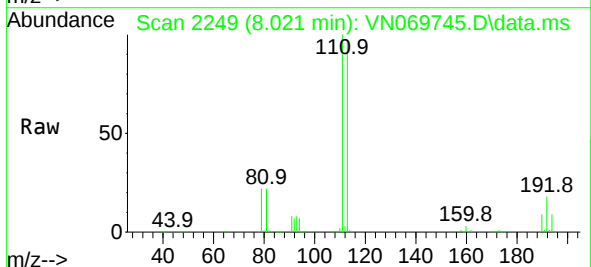
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	37.8
88	16.1	0.0	27.4

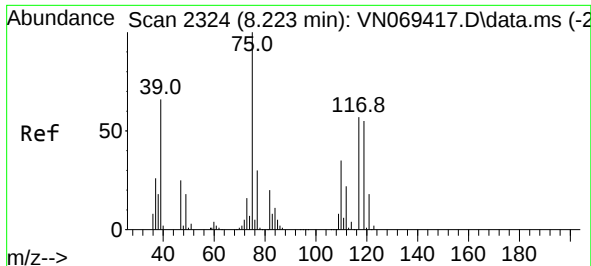


#35
Dibromofluoromethane
Concen: 48.411 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Tgt Ion:113 Resp: 760671

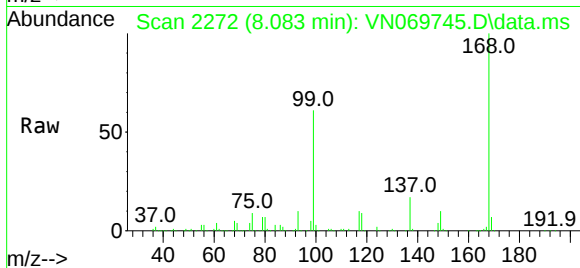
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	18.1	16.9	25.3



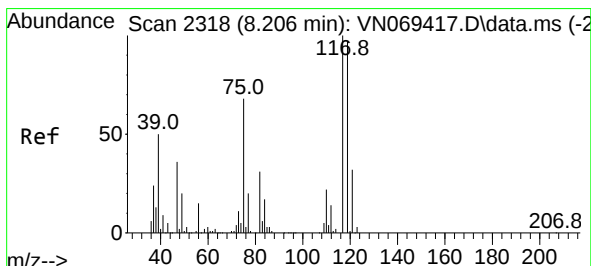
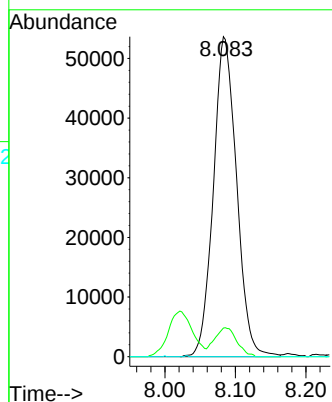
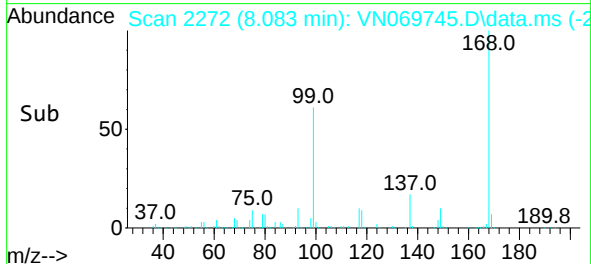


#36
1,1-Dichloropropene
Concen: 5.140 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.139 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

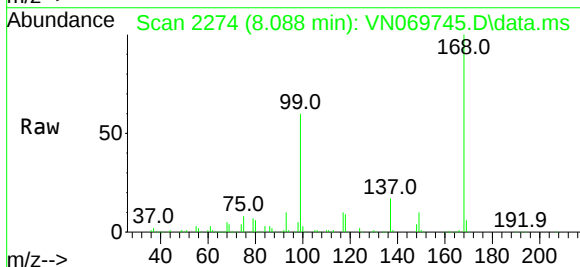
Instrument :
MSVOA_N
ClientSampleId :



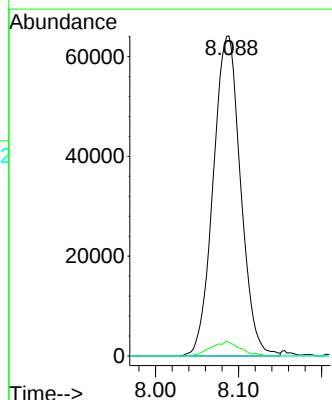
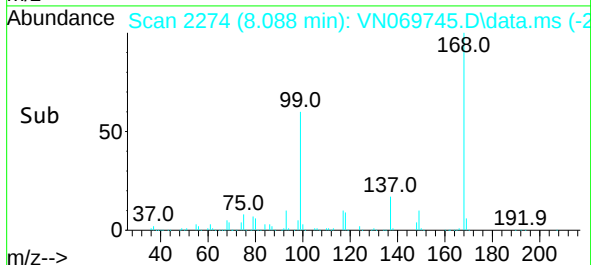
Tgt Ion: 75 Resp: 122755
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#

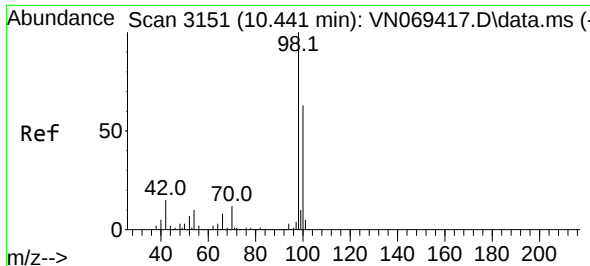


#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31



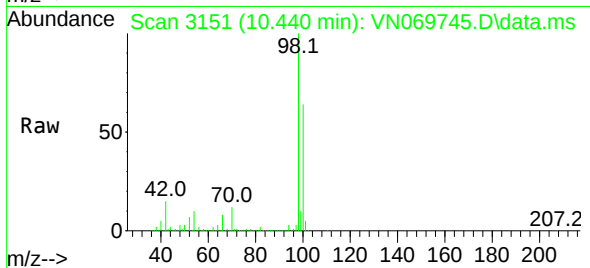
Tgt Ion: 117 Resp: 147035
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



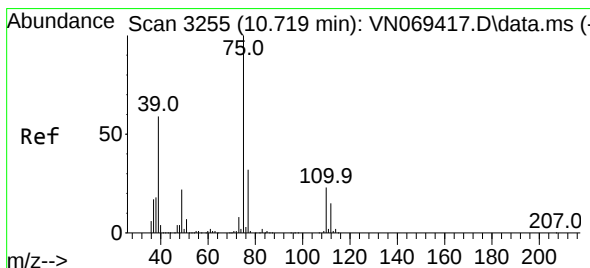
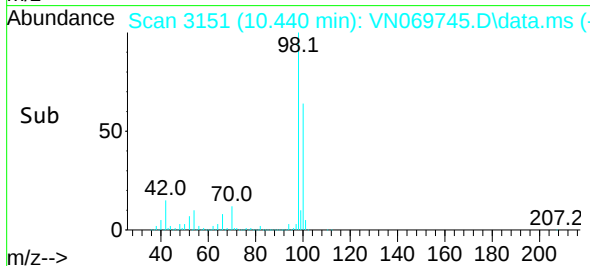
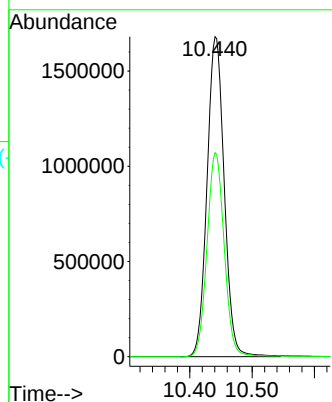


#50
Toluene-d8
Concen: 51.030 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Instrument :
MSVOA_N
ClientSampleId :

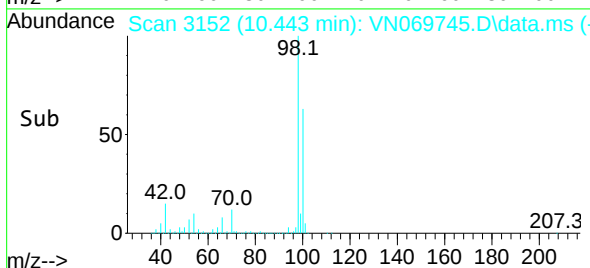
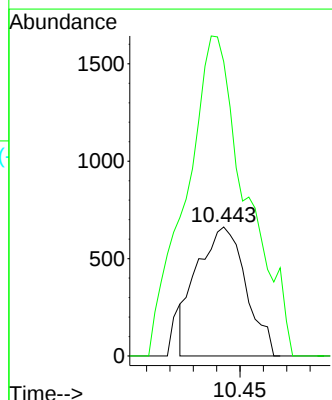
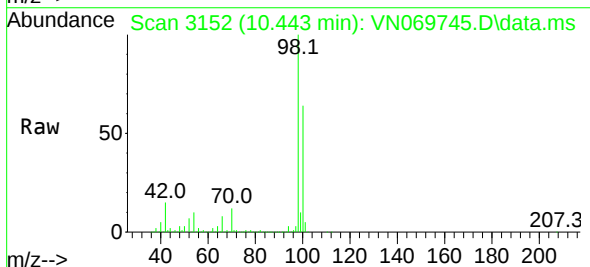


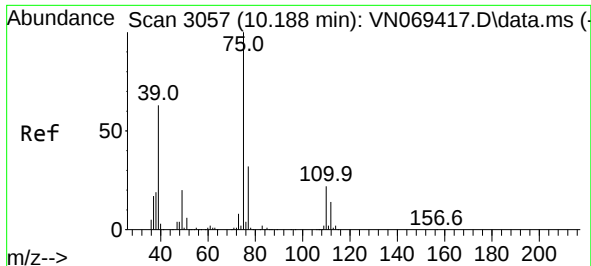
Tgt Ion: 98 Resp: 3219606
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.825 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.276 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

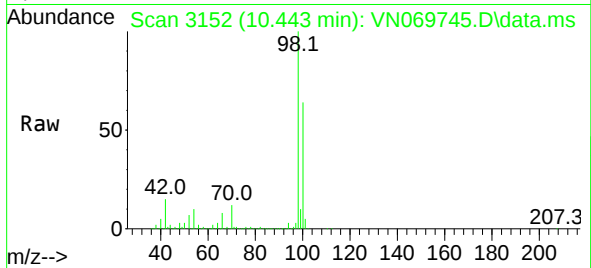
Tgt Ion: 75 Resp: 960
Ion Ratio Lower Upper
75 100
77 159.8 25.6 38.4#



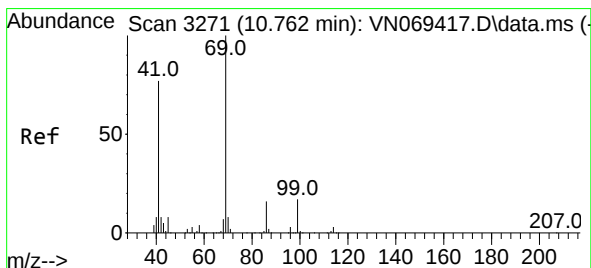
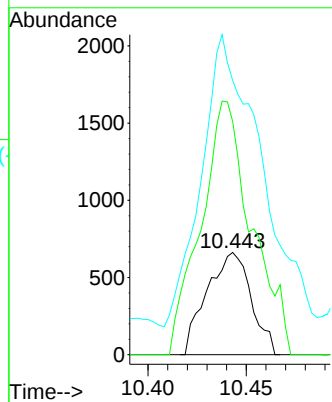
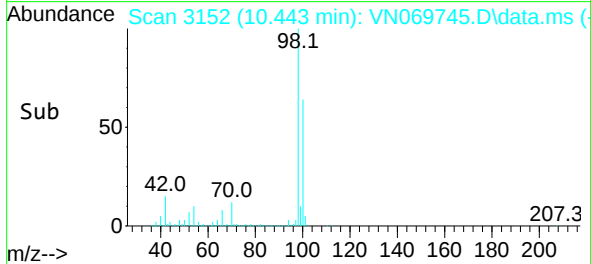


#54
 cis-1,3-Dichloropropene
 Concen: 2.031 ug/l
 RT: 10.443 min Scan# 3152
 Delta R.T. 0.252 min
 Lab File: VN069745.D
 Acq: 4 Dec 2021 3:31

Instrument :
 MSVOA_N
 ClientSampleId :

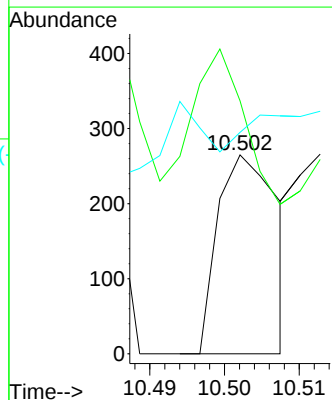
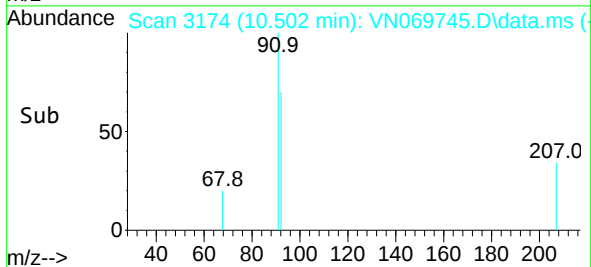
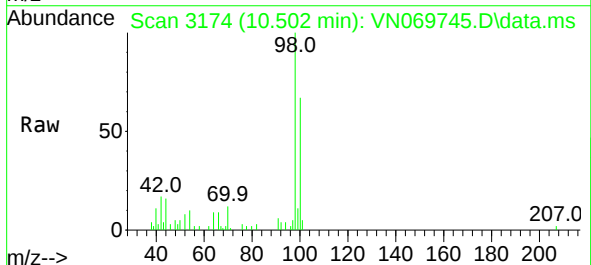


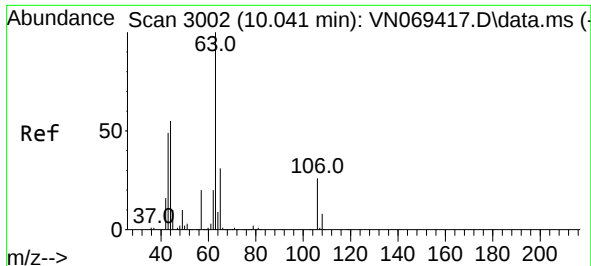
Tgt Ion: 75 Resp: 1035
 Ion Ratio Lower Upper
 75 100
 77 170.7 26.4 39.6#
 39 189.7 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.283 ug/l
 RT: 10.502 min Scan# 3174
 Delta R.T. -0.260 min
 Lab File: VN069745.D
 Acq: 4 Dec 2021 3:31

Tgt Ion: 69 Resp: 147
 Ion Ratio Lower Upper
 69 100
 41 67.3 51.4 77.0
 39 19.7 34.6 52.0#

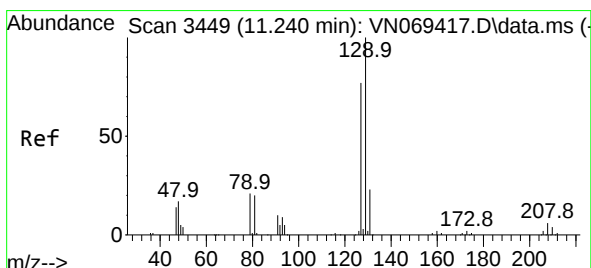
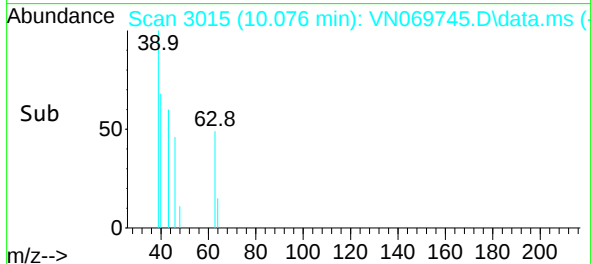
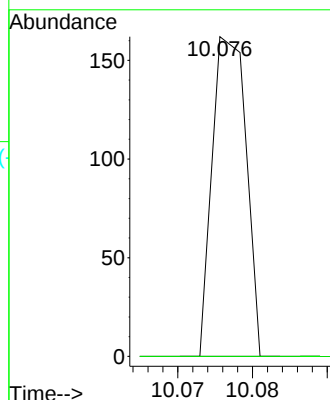
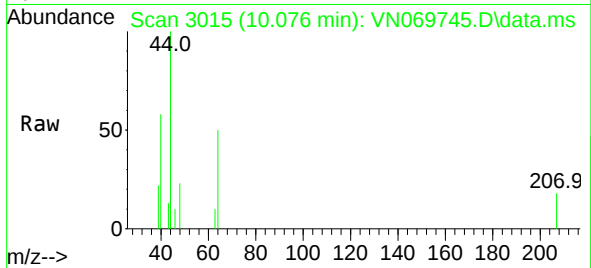




#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 10.076 min Scan# 3002
Delta R.T. 0.033 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

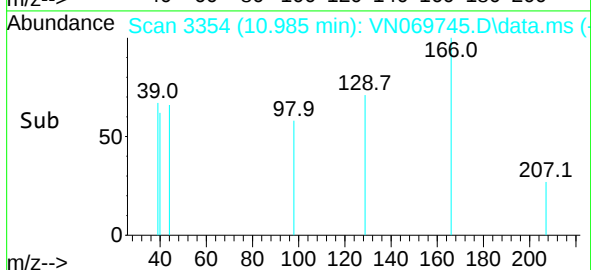
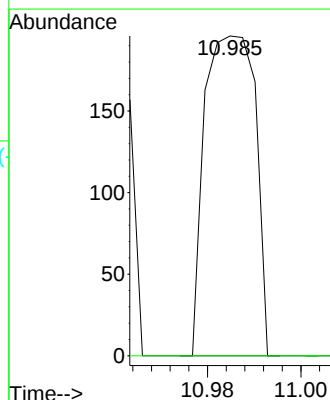
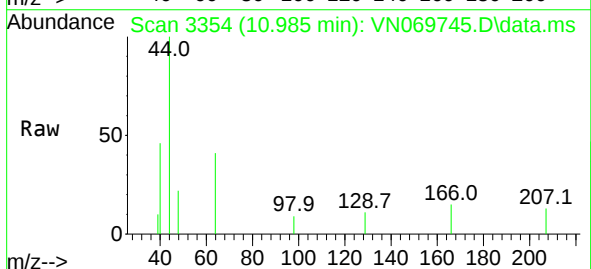
Instrument :
MSVOA_N
ClientSampleId :

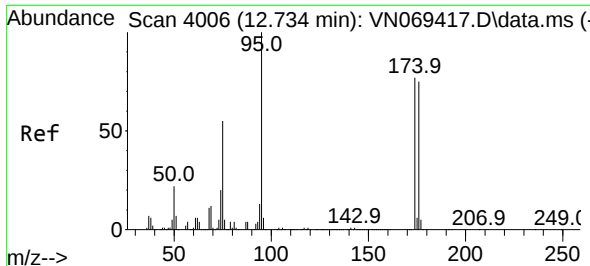
Tgt Ion: 63 Resp: 51
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.383 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Tgt Ion: 129 Resp: 147
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

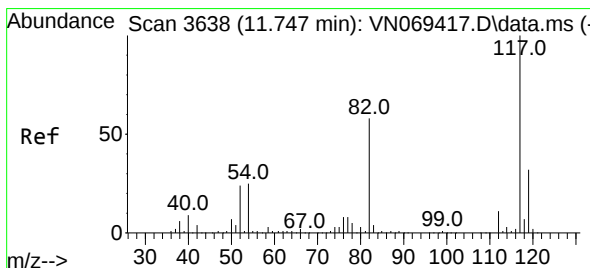
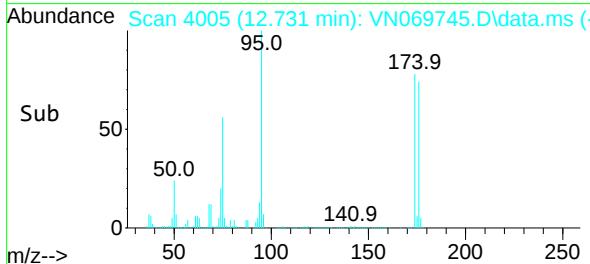
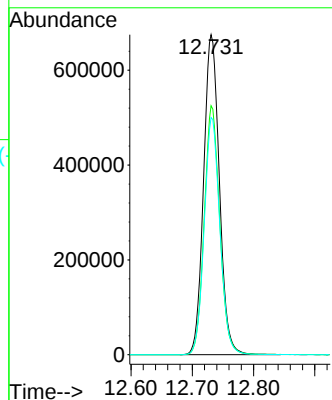
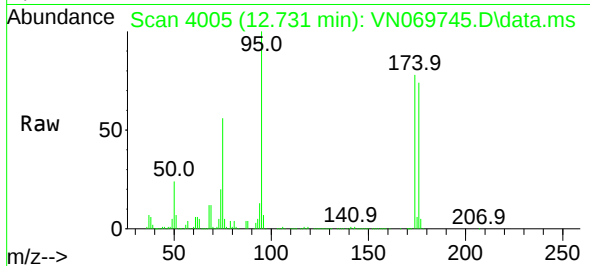




#62
4-Bromofluorobenzene
Concen: 52.803 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

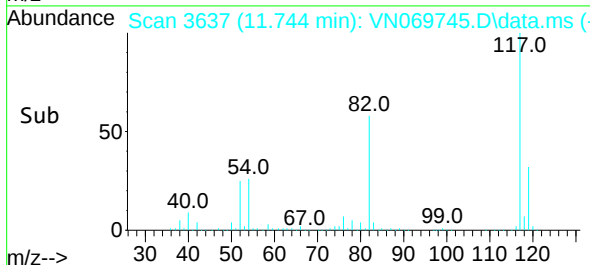
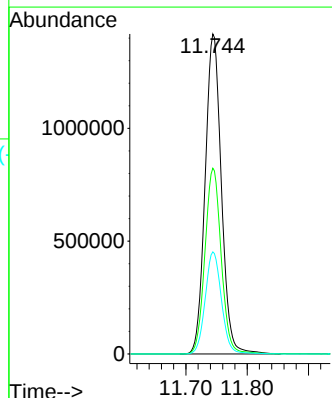
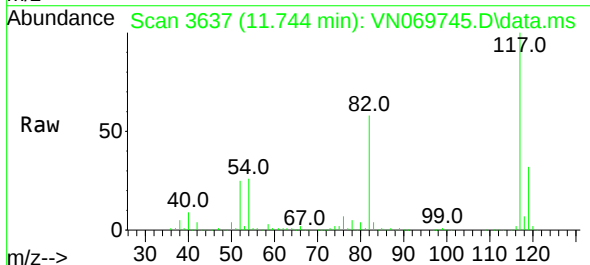
Instrument :
MSVOA_N
ClientSampleId :

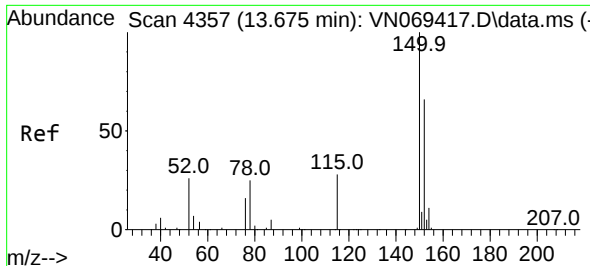
Tgt Ion: 95 Resp: 1206912
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

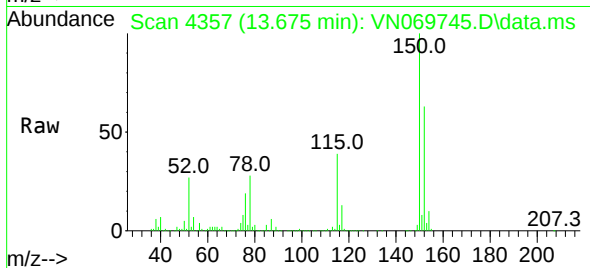
Tgt Ion: 117 Resp: 2609409
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 31.9 25.4 38.2



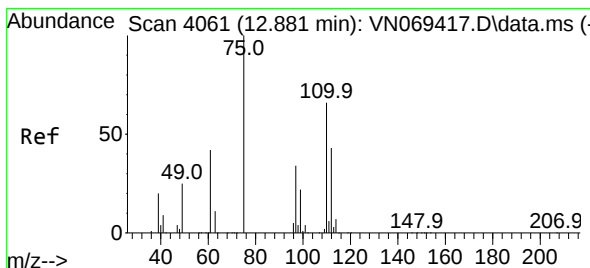
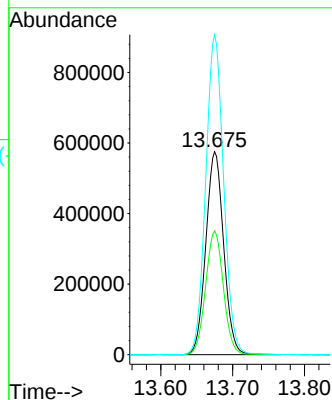
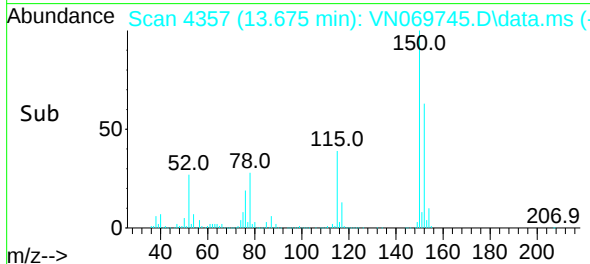


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069745.D
 Acq: 4 Dec 2021 3:31

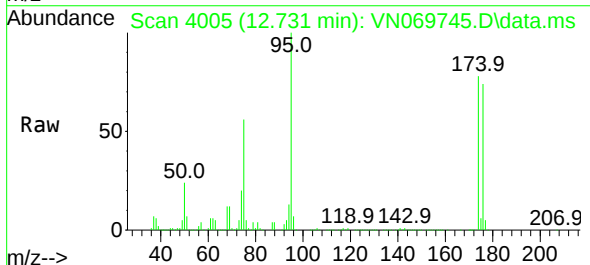
Instrument :
 MSVOA_N
 ClientSampleId :



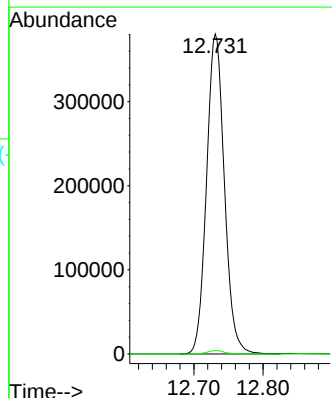
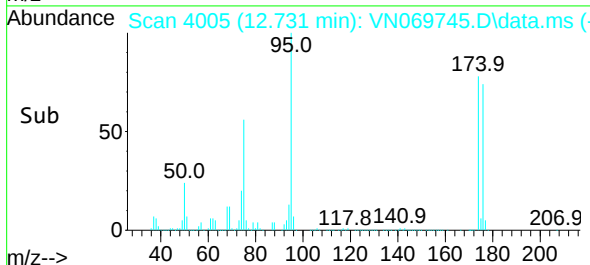
Tgt Ion:152 Resp: 995824
 Ion Ratio Lower Upper
 152 100
 115 60.8 27.5 82.5
 150 157.9 0.0 344.4

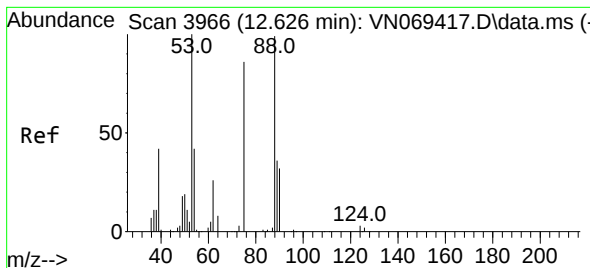


#76
 1,2,3-Trichloropropane
 Concen: 23.824 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069745.D
 Acq: 4 Dec 2021 3:31



Tgt Ion: 75 Resp: 680377
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

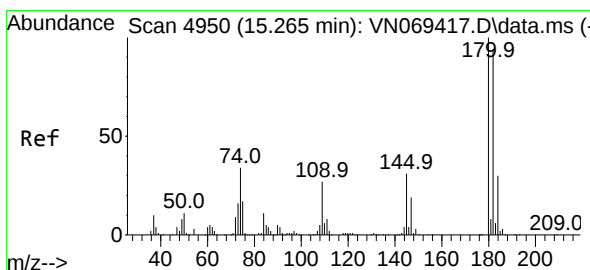
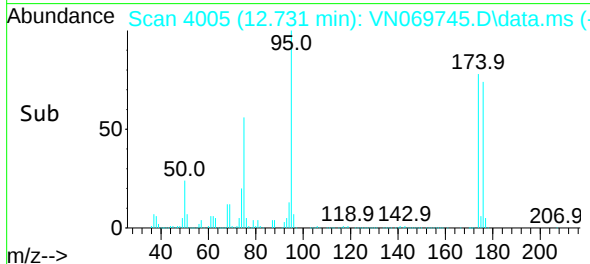
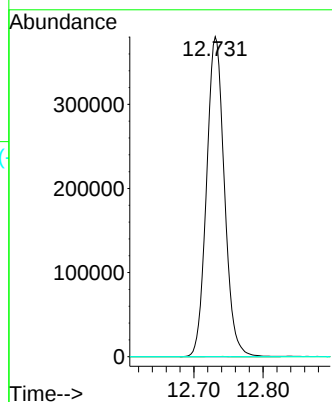
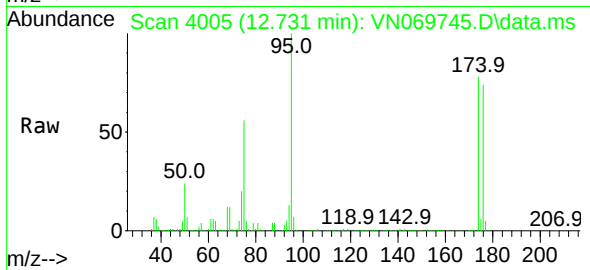




#81
trans-1,4-Dichloro-2-butene
Concen: 75.702 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

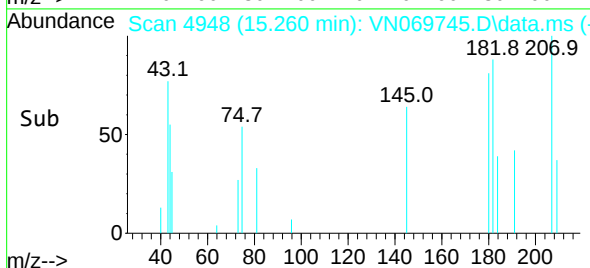
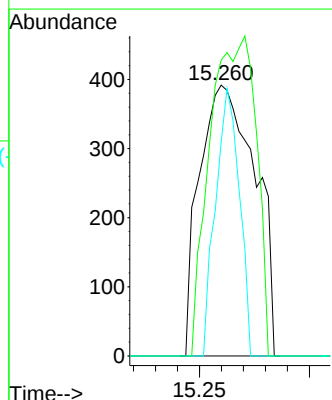
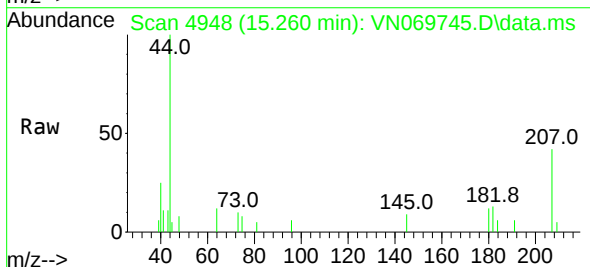
Instrument :
MSVOA_N
ClientSampleId :

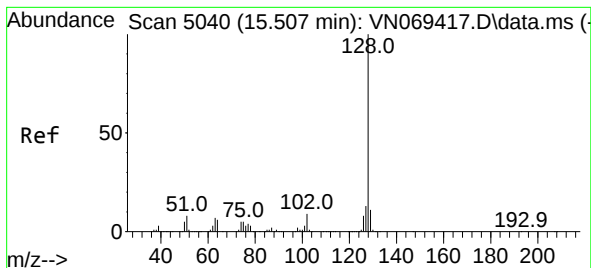
Tgt Ion: 75 Resp: 680377
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.918 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Tgt Ion:180 Resp: 688
Ion Ratio Lower Upper
180 100
182 98.4 48.3 144.9
145 42.2 14.5 43.5

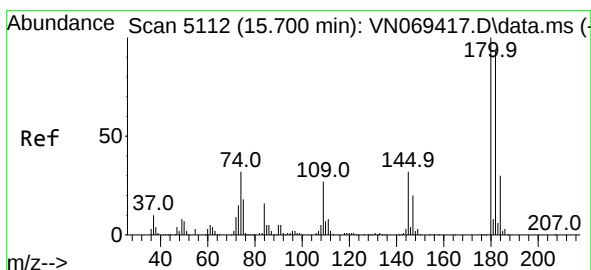
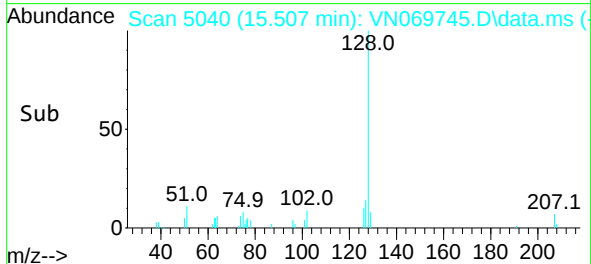
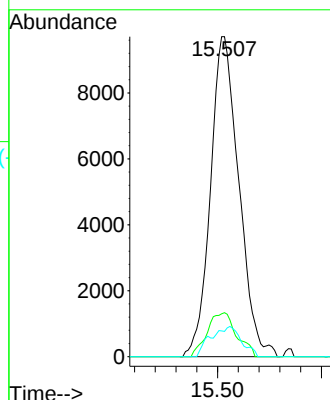
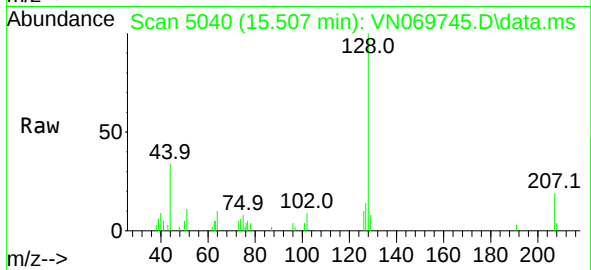




#95
Naphthalene
Concen: 4.334 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	10.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.488 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069745.D
Acq: 4 Dec 2021 3:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.4	142.2
145	15.3	15.0	45.1

