

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069746.D
 Acq On : 4 Dec 2021 3:57
 Operator : JC/MD
 Sample : M4919-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:41:55 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)

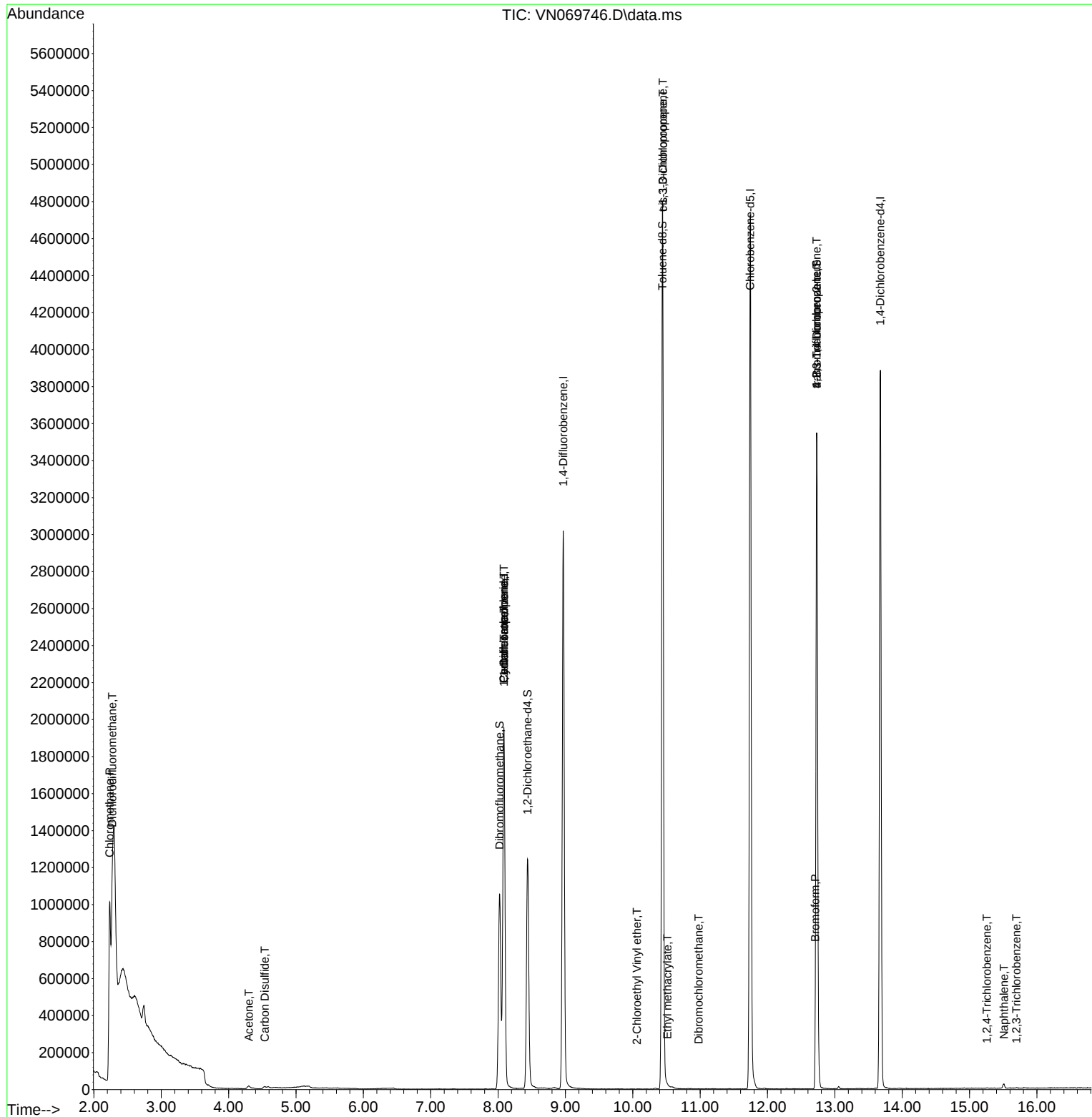
Internal Standards						
1) Pentafluorobenzene	8.086	168	1451264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2554442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2637022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1043167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1106132	49.364	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.720%
35) Dibromofluoromethane	8.021	113	774847	48.426	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.860%
50) Toluene-d8	10.441	98	3270628	50.907	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.731	95	1238833	53.225	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.271	85	28878	1.706	ug/l	96
3) Chloromethane	2.234	50	29253	1.379	ug/l #	43
16) Acetone	4.299	43	25467	1.889	ug/l	99
17) Carbon Disulfide	4.537	76	26105	0.731	ug/l	98
31) Cyclohexane	8.086	56	38561	1.237	ug/l #	42
36) 1,1-Dichloropropene	8.088	75	123845	5.093	ug/l #	49
38) Carbon Tetrachloride	8.086	117	150132	6.296	ug/l #	16
53) t-1,3-Dichloropropene	10.446	75	978	2.825	ug/l #	1
54) cis-1,3-Dichloropropene	10.446	75	1018	2.030	ug/l #	1
56) Ethyl methacrylate	10.516	69	118	2.282	ug/l #	15
58) 2-Chloroethyl Vinyl ether	10.062	63	52	18.394	ug/l #	45
60) Dibromochloromethane	10.977	129	24	2.377	ug/l #	11
71) Bromoform	12.709	173	353	2.752	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	698940	23.364	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	698940	74.317	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	384	2.899	ug/l	88
95) Naphthalene	15.509	128	21153	4.367	ug/l	97
96) 1,2,3-Trichlorobenzene	15.697	180	716	2.476	ug/l #	41

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

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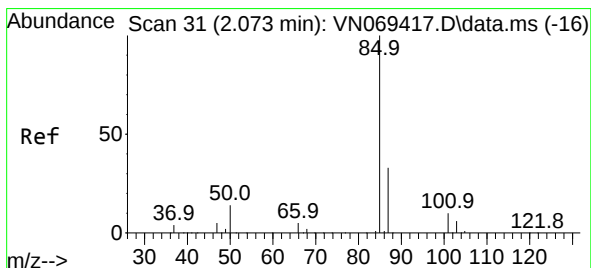
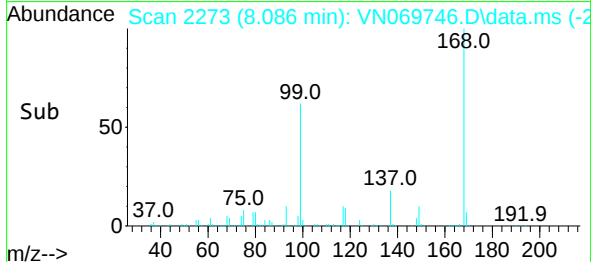
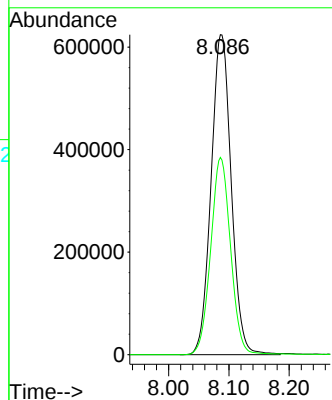
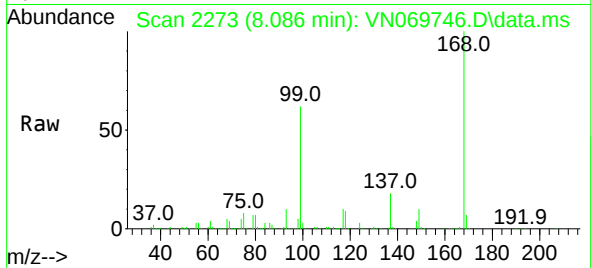




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

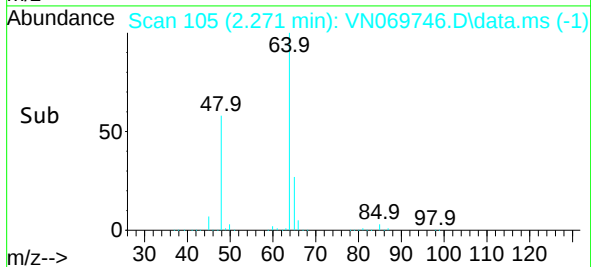
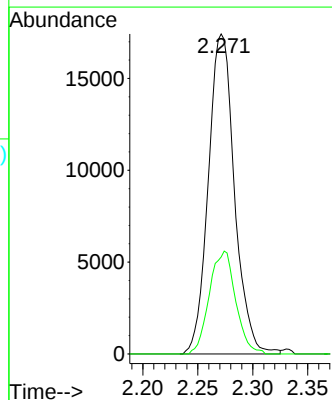
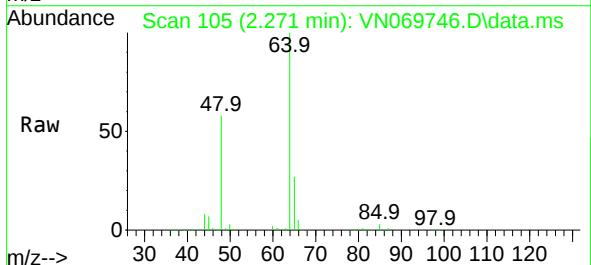
Instrument :
MSVOA_N
ClientSampleId :

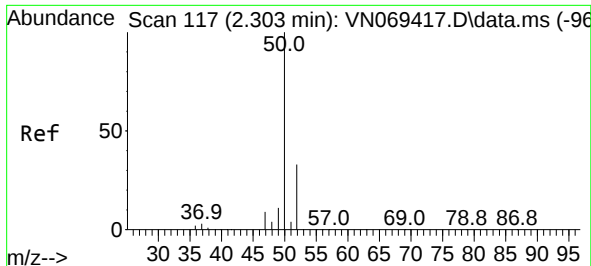
Tgt Ion:168 Resp: 1451264
Ion Ratio Lower Upper
168 100
99 61.7 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.706 ug/l
RT: 2.271 min Scan# 105
Delta R.T. 0.199 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion: 85 Resp: 28878
Ion Ratio Lower Upper
85 100
87 30.3 16.3 48.9

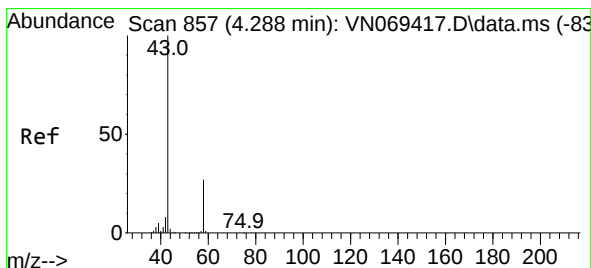
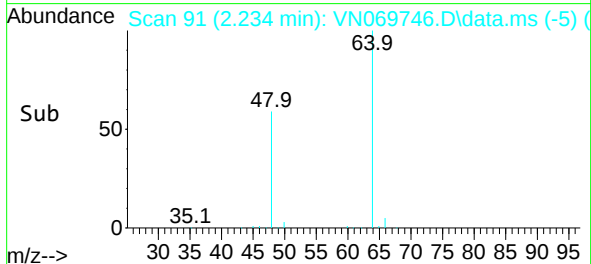
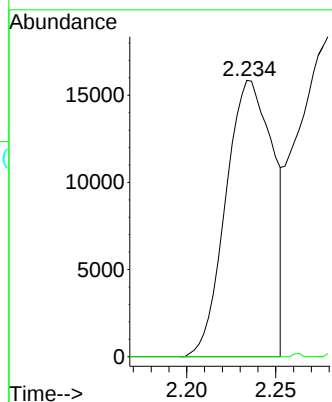
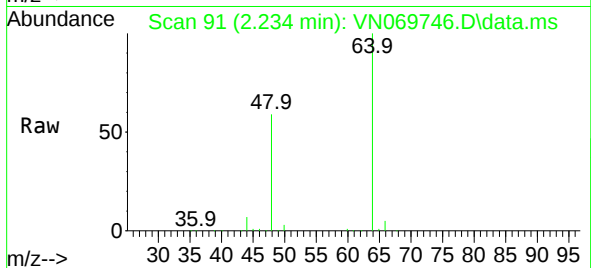




#3
Chloromethane
Concen: 1.379 ug/l
RT: 2.234 min Scan# 91
Delta R.T. -0.069 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

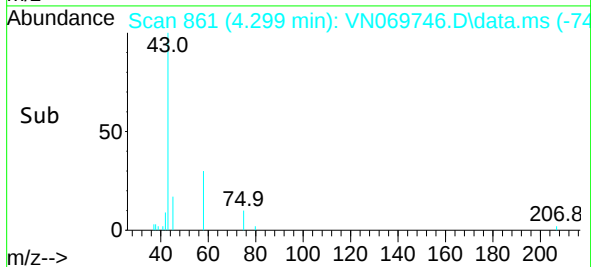
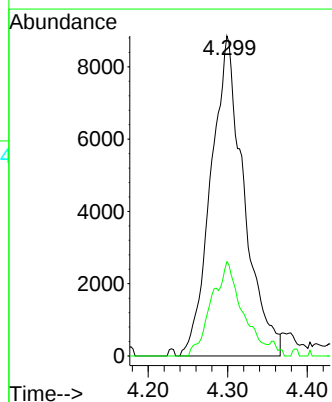
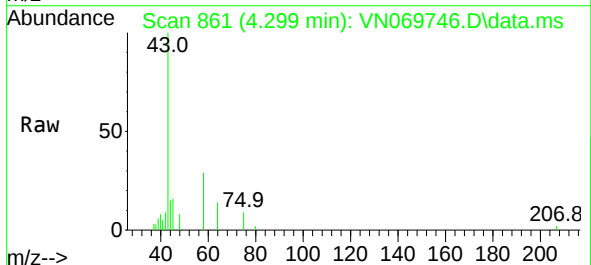
Instrument :
MSVOA_N
ClientSampleId :

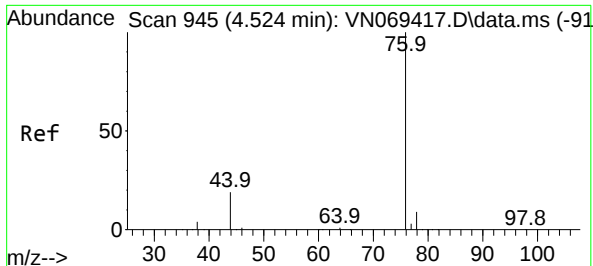
Tgt Ion: 50 Resp: 29253
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



#16
Acetone
Concen: 1.889 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

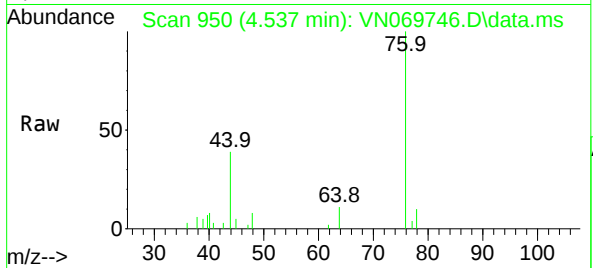
Tgt Ion: 43 Resp: 25467
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7



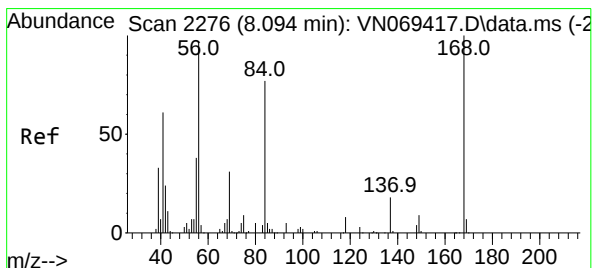
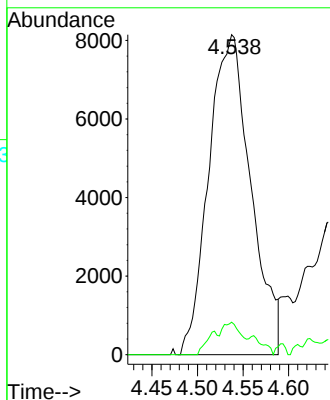
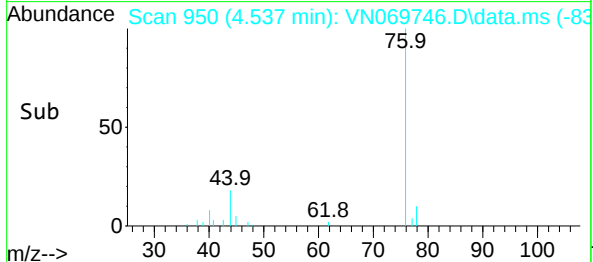


#17
Carbon Disulfide
Concen: 0.731 ug/l
RT: 4.537 min Scan# 91
Delta R.T. 0.014 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Instrument :
MSVOA_N
ClientSampleId :

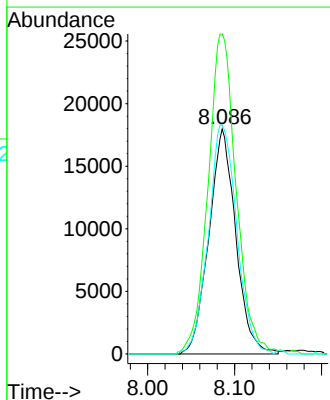
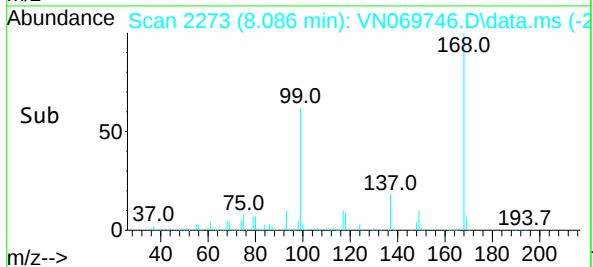
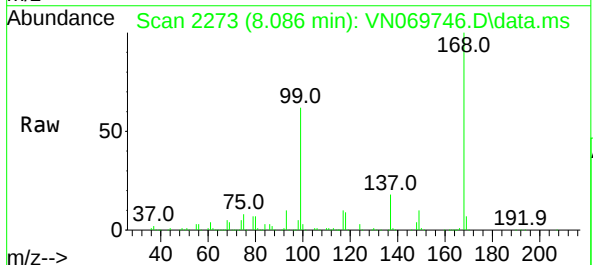


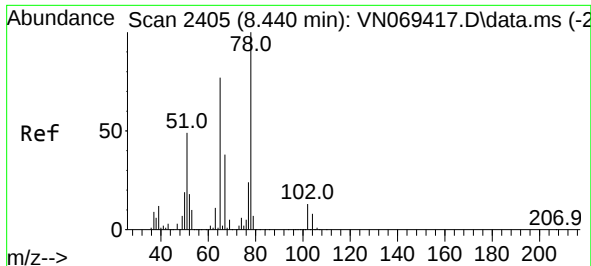
Tgt Ion: 76 Resp: 26105
Ion Ratio Lower Upper
76 100
78 10.2 7.5 11.3



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion: 56 Resp: 38561
Ion Ratio Lower Upper
56 100
69 142.2 27.1 40.7#
84 100.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.364 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069746.D

Acq: 4 Dec 2021 3:57

Instrument :

MSVOA_N

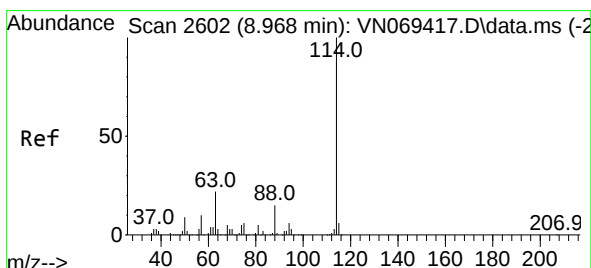
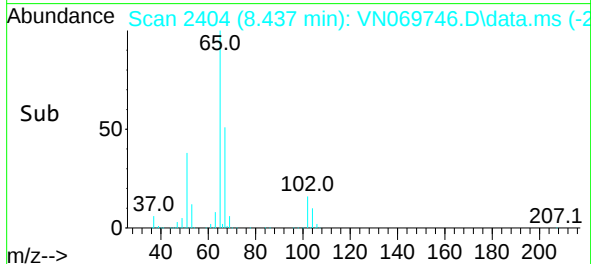
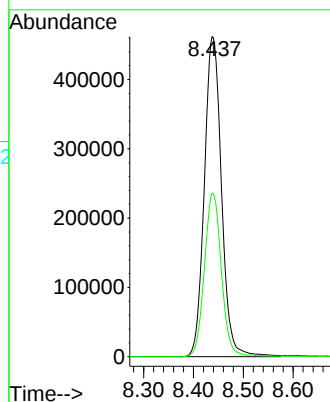
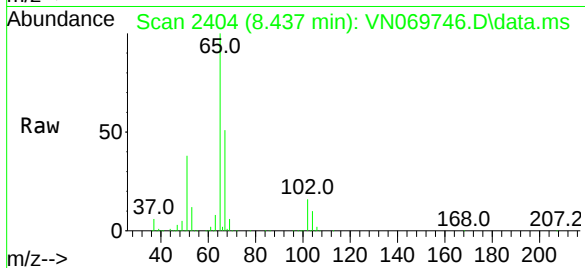
ClientSampleId :

Tgt Ion: 65 Resp: 1106132

Ion Ratio Lower Upper

65 100

67 50.2 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: VN069746.D

Acq: 4 Dec 2021 3:57

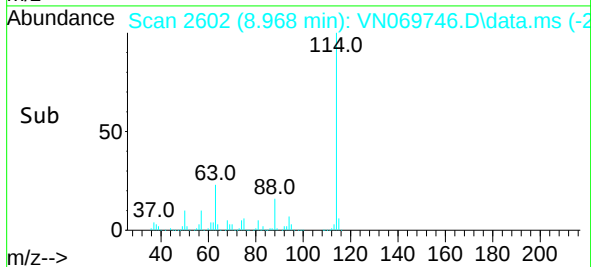
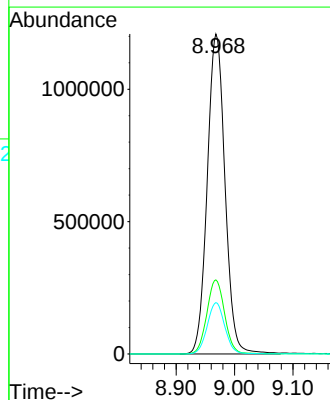
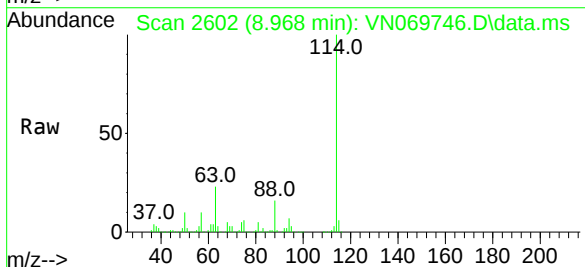
Tgt Ion: 114 Resp: 2554442

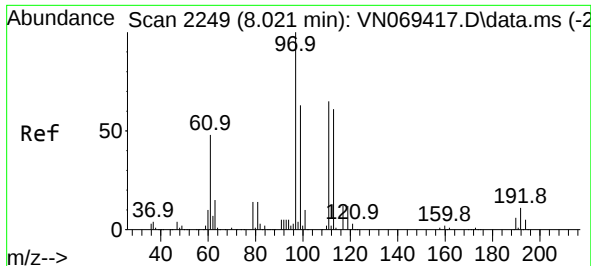
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

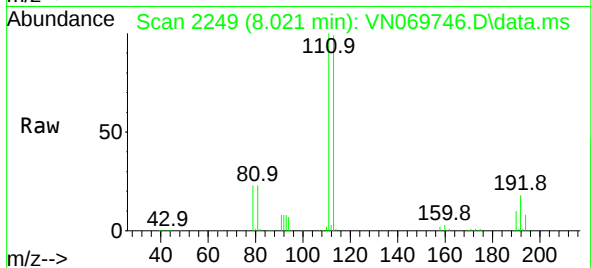
88 16.0 0.0 27.4



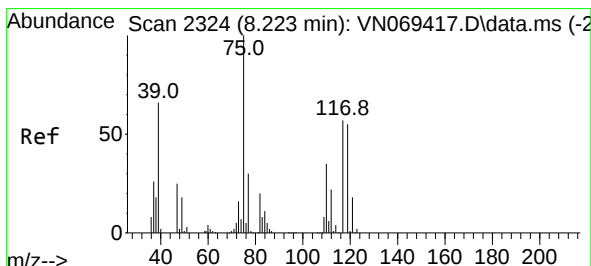
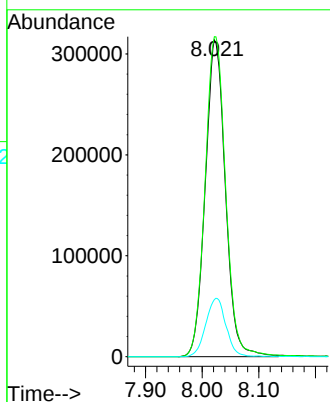
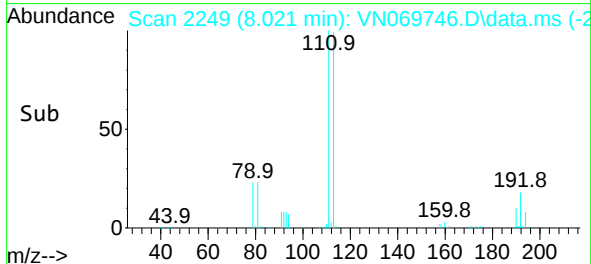


#35
Dibromofluoromethane
Concen: 48.426 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.002 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

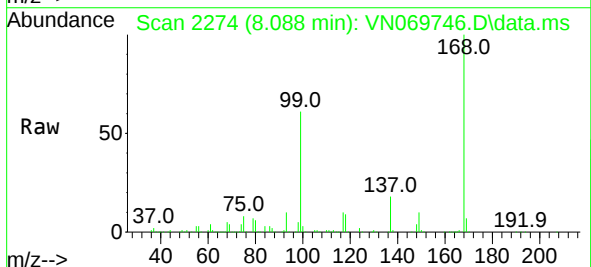
Instrument :
MSVOA_N
ClientSampleId :



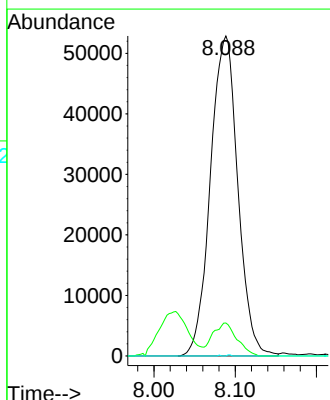
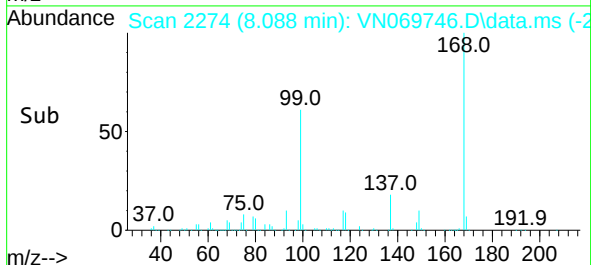
Tgt Ion:113 Resp: 774847
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.5 16.9 25.3

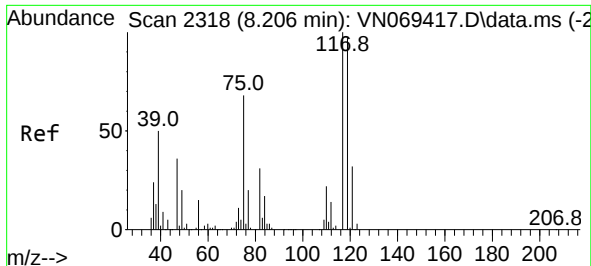


#36
1,1-Dichloropropene
Concen: 5.093 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57



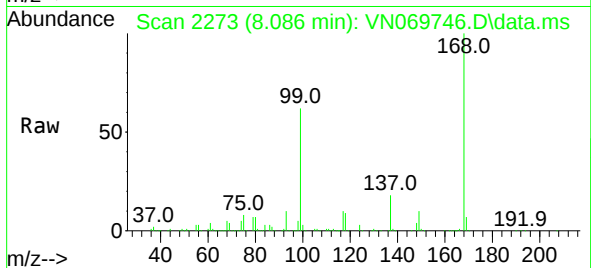
Tgt Ion: 75 Resp: 123845
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



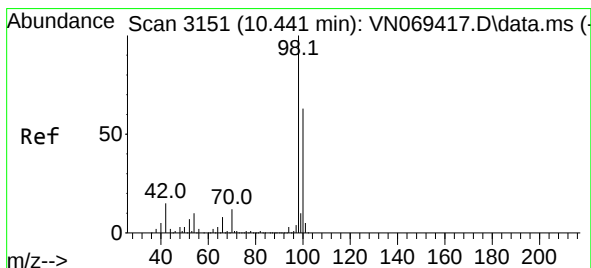
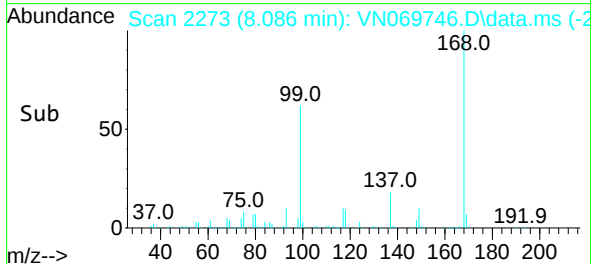
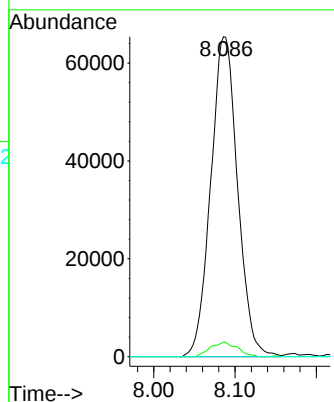


#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Instrument :
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ClientSampleId :

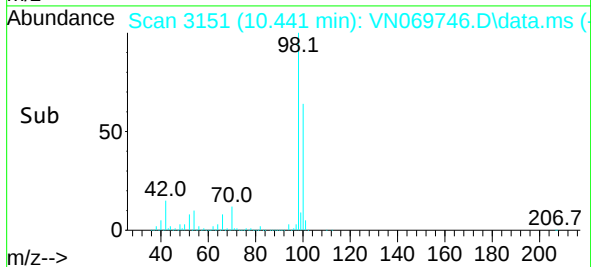
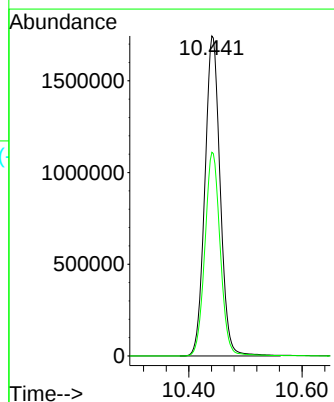
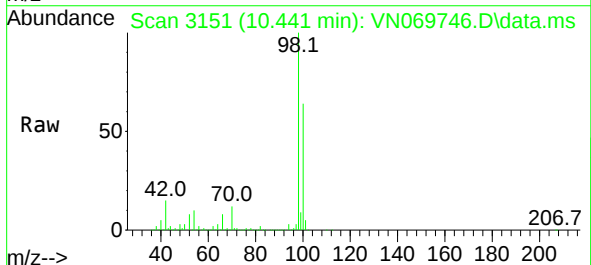


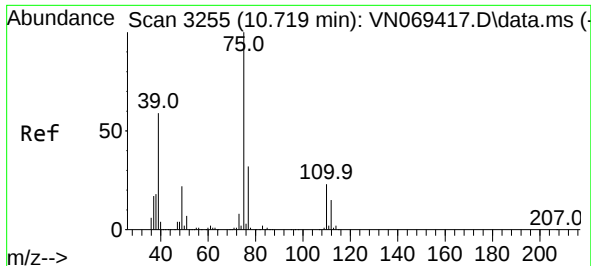
Tgt Ion:117 Resp: 150132
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.907 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion: 98 Resp: 3270628
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6

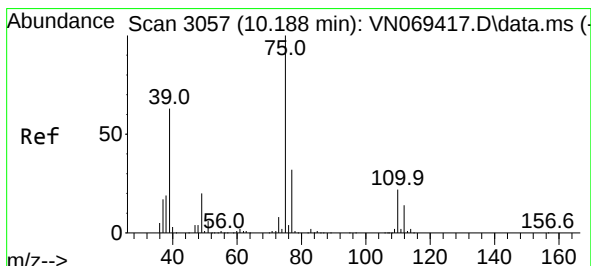
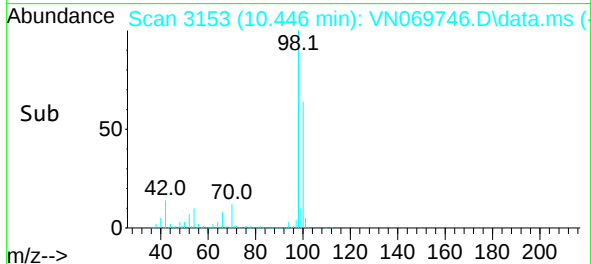
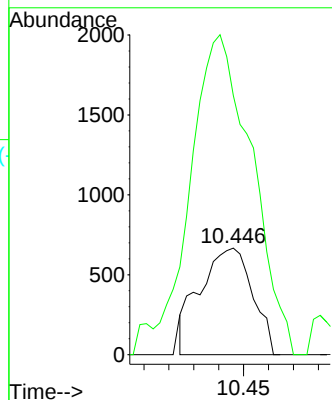
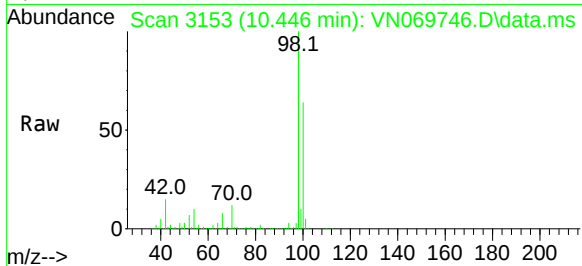




#53
 t-1,3-Dichloropropene
 Concen: 2.825 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. -0.273 min
 Lab File: VN069746.D
 Acq: 4 Dec 2021 3:57

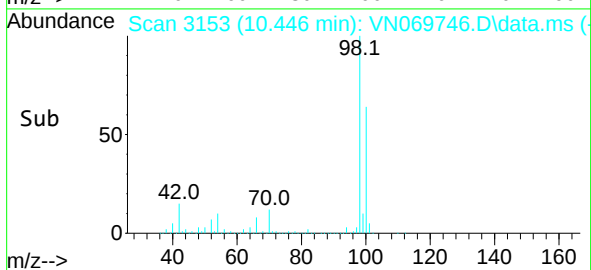
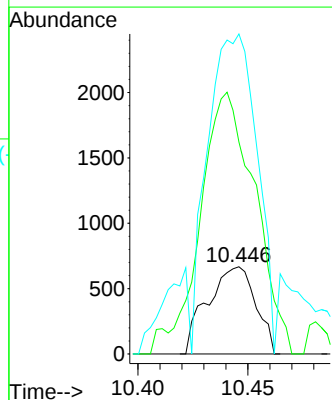
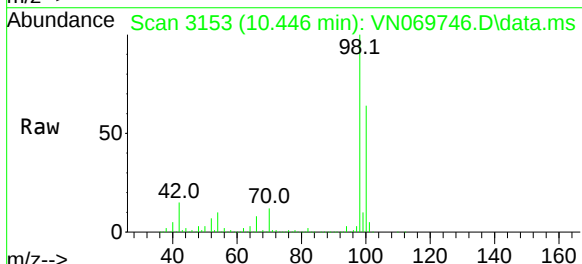
Instrument :
 MSVOA_N
 ClientSampleId :

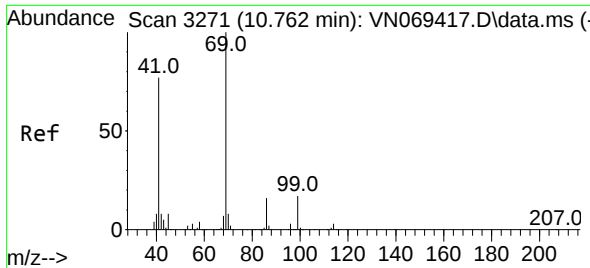
Tgt Ion: 75 Resp: 978
 Ion Ratio Lower Upper
 75 100
 77 198.8 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.030 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.255 min
 Lab File: VN069746.D
 Acq: 4 Dec 2021 3:57

Tgt Ion: 75 Resp: 1018
 Ion Ratio Lower Upper
 75 100
 77 198.8 26.4 39.6#
 39 289.1 42.5 63.7#

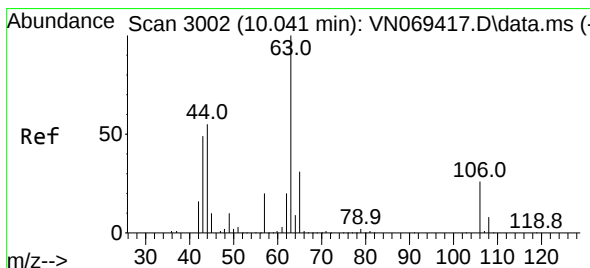
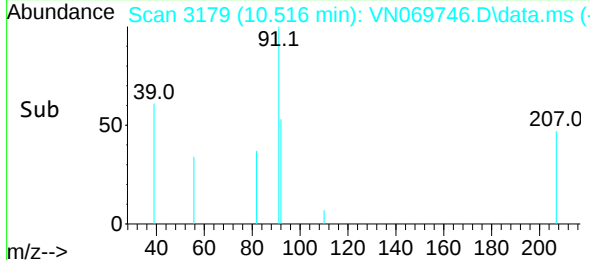
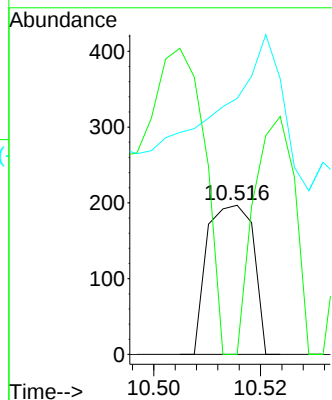
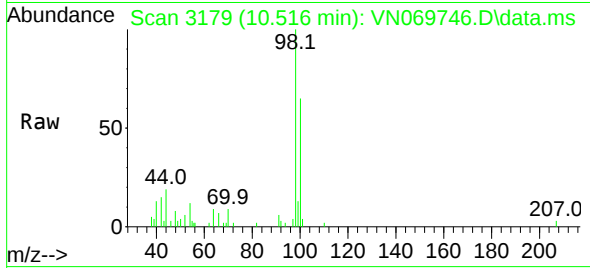




#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.516 min Scan# 311
Delta R.T. -0.246 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

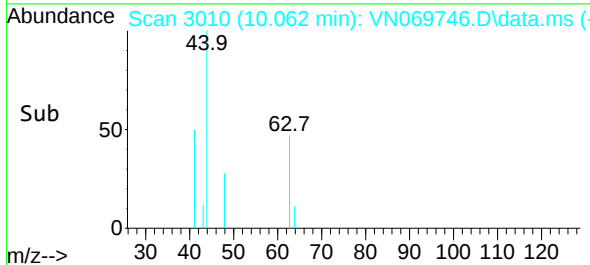
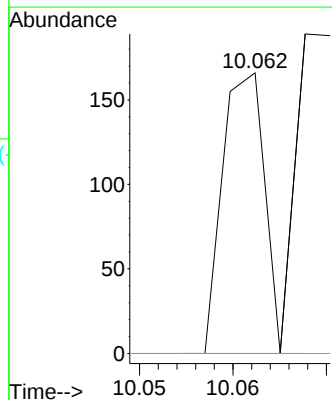
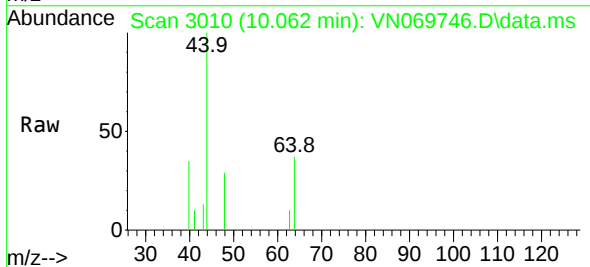
Instrument :
MSVOA_N
ClientSampleId :

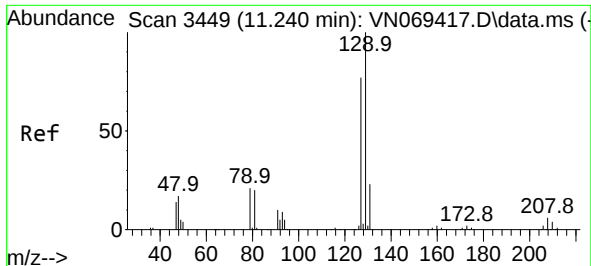
Tgt Ion: 69 Resp: 118
Ion Ratio Lower Upper
69 100
41 140.7 51.4 77.0#
39 0.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 10.062 min Scan# 3010
Delta R.T. 0.019 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

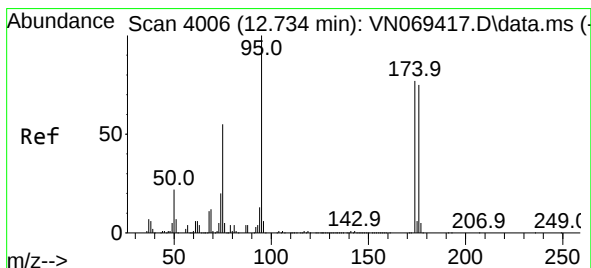
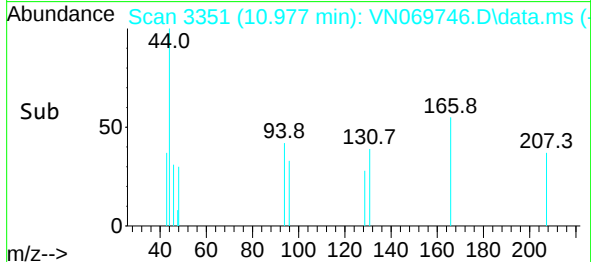
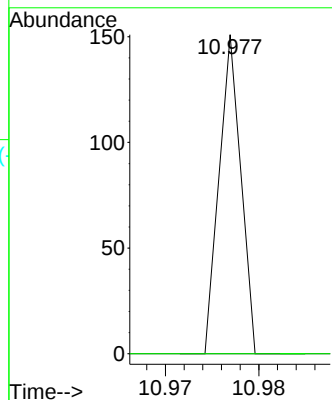
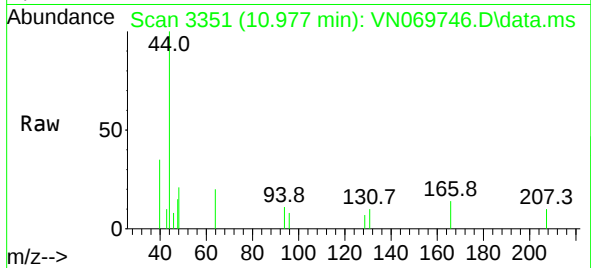




#60
Dibromochloromethane
Concen: 2.377 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

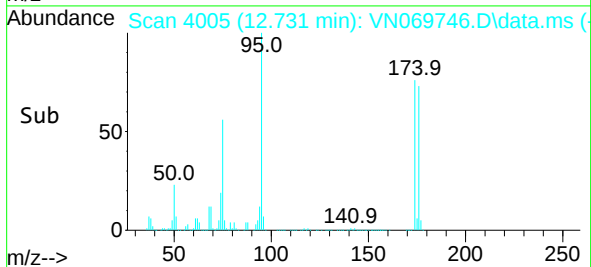
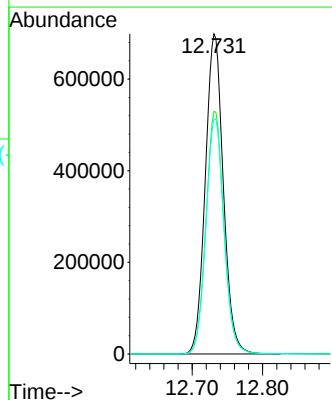
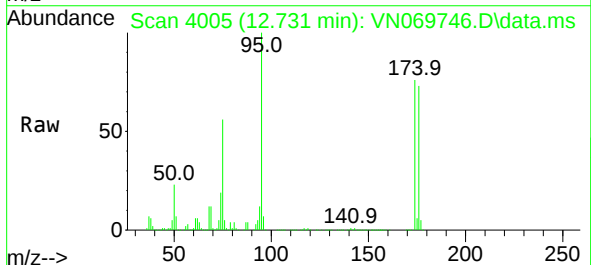
Instrument :
MSVOA_N
ClientSampleId :

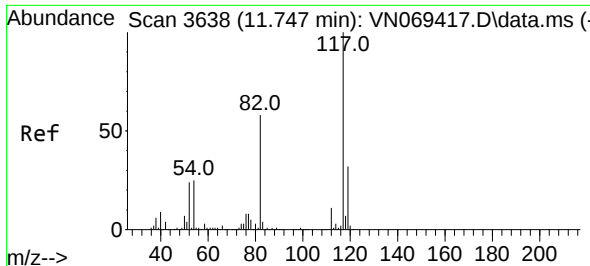
Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.225 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

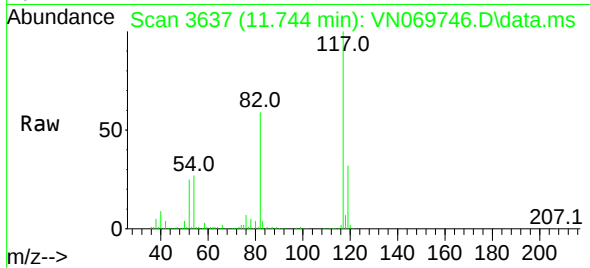
Tgt Ion: 95 Resp: 1238833
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.6 0.0 181.4





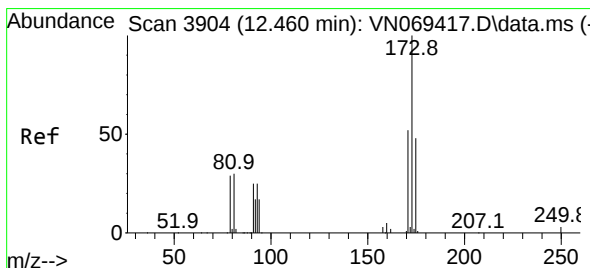
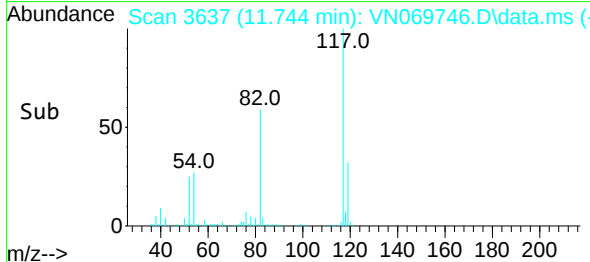
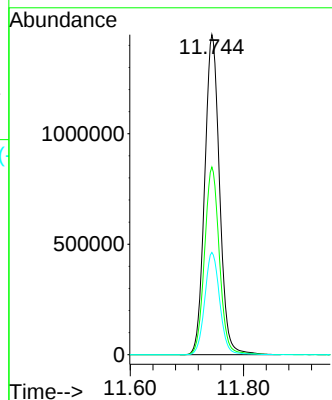
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2637022

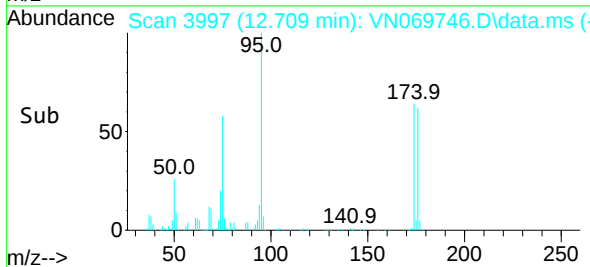
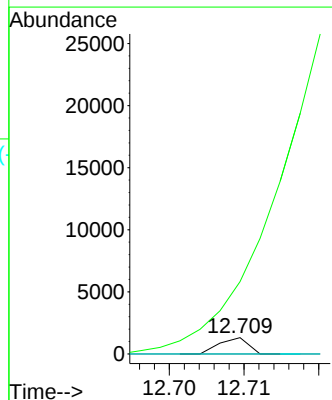
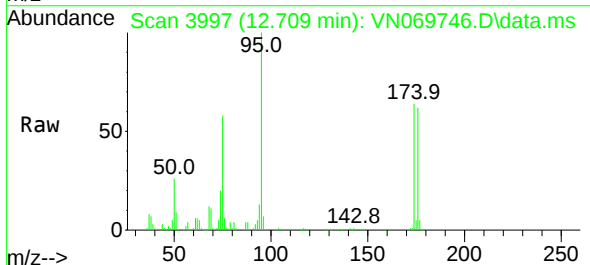
Ion	Ratio	Lower	Upper
117	100		
82	58.6	42.4	63.6
119	31.9	25.4	38.2

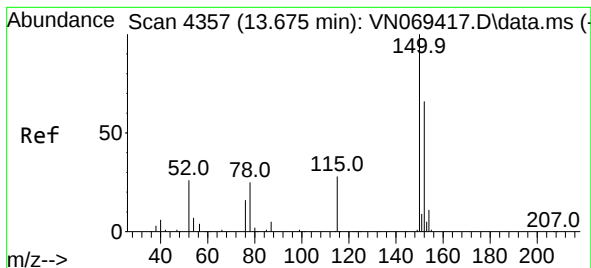


#71
Bromoform
Concen: 2.752 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion:173 Resp: 353

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. -0.002 min

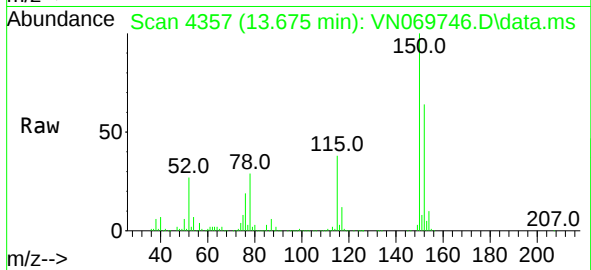
Lab File: VN069746.D

Acq: 4 Dec 2021 3:57

Instrument :

MSVOA_N

ClientSampleId :



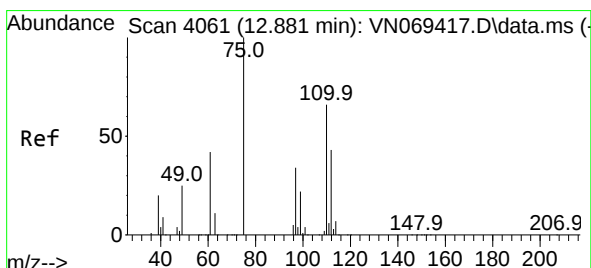
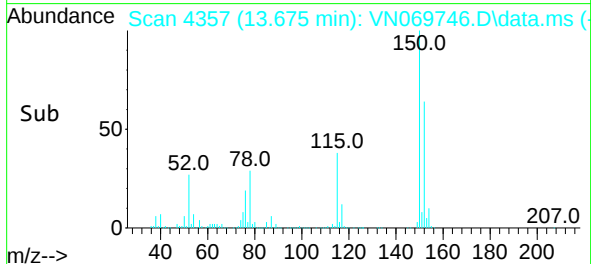
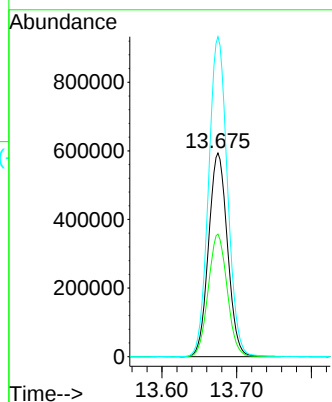
Tgt Ion:152 Resp: 1043167

Ion Ratio Lower Upper

152 100

115 60.3 27.5 82.5

150 156.8 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 23.364 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069746.D

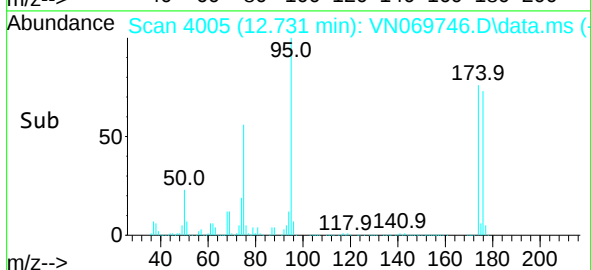
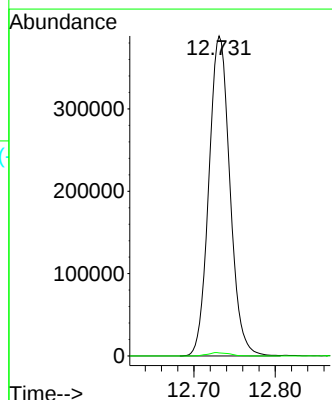
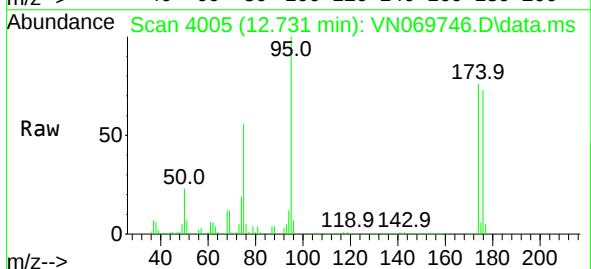
Acq: 4 Dec 2021 3:57

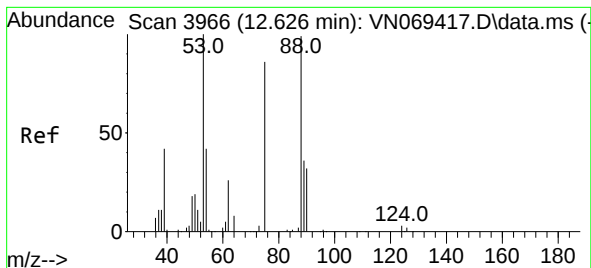
Tgt Ion: 75 Resp: 698940

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

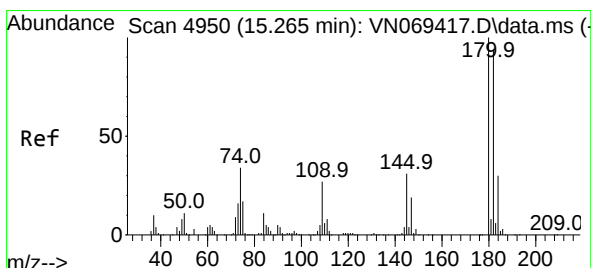
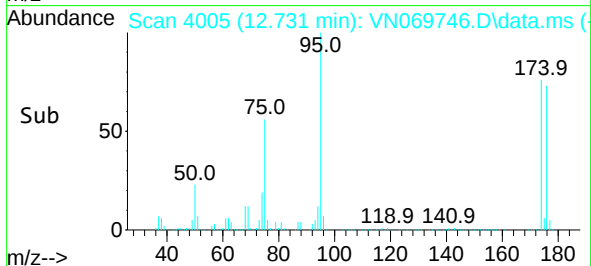
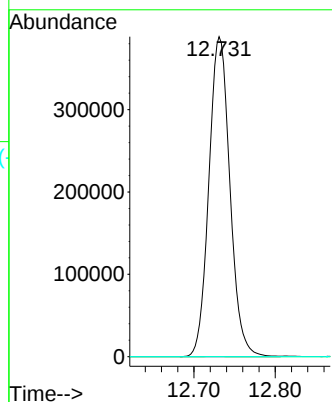
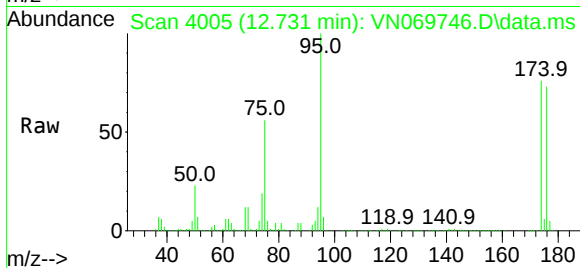




#81
trans-1,4-Dichloro-2-butene
Concen: 74.317 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

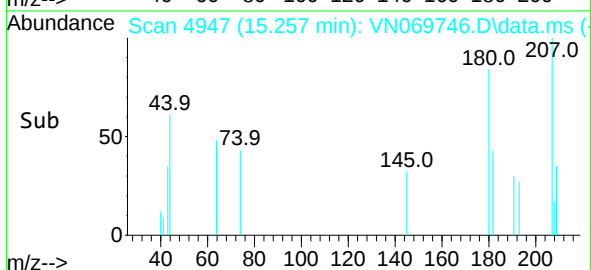
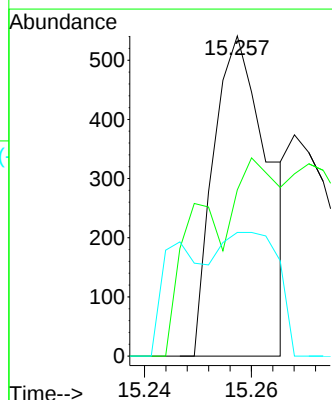
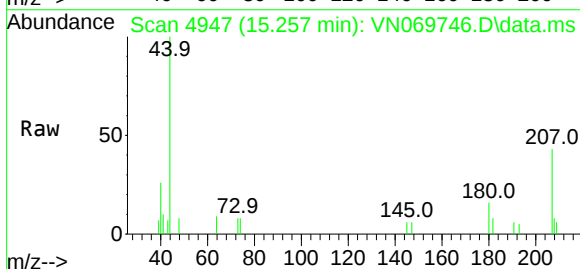
Instrument :
MSVOA_N
ClientSampleId :

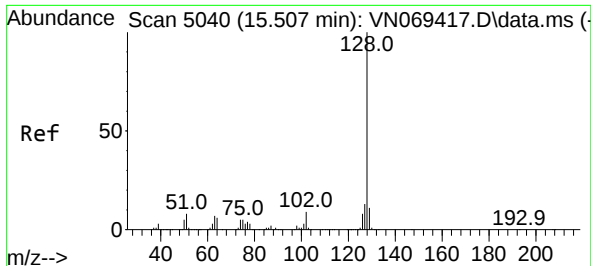
Tgt Ion: 75 Resp: 698940
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.899 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion:180 Resp: 384
Ion Ratio Lower Upper
180 100
182 87.2 48.3 144.9
145 40.9 14.5 43.5

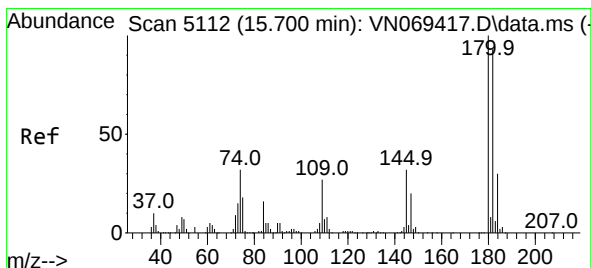
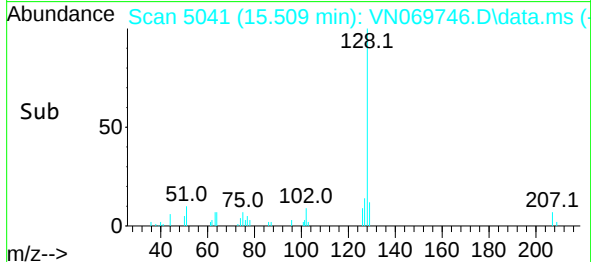
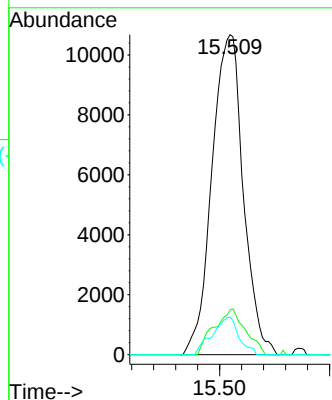
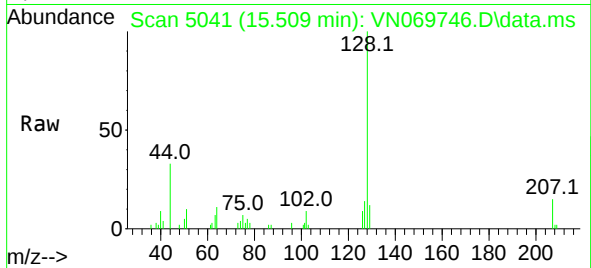




#95
Naphthalene
Concen: 4.367 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 21153
Ion Ratio Lower Upper
128 100
127 14.3 10.5 15.7
129 10.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.476 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069746.D
Acq: 4 Dec 2021 3:57

Tgt Ion:180 Resp: 716
Ion Ratio Lower Upper
180 100
182 36.0 47.4 142.2#
145 0.0 15.0 45.1#

