

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070275.D
 Acq On : 21 Dec 2021 18:25
 Operator : JC/MD
 Sample : M5184-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 20:12:21 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)

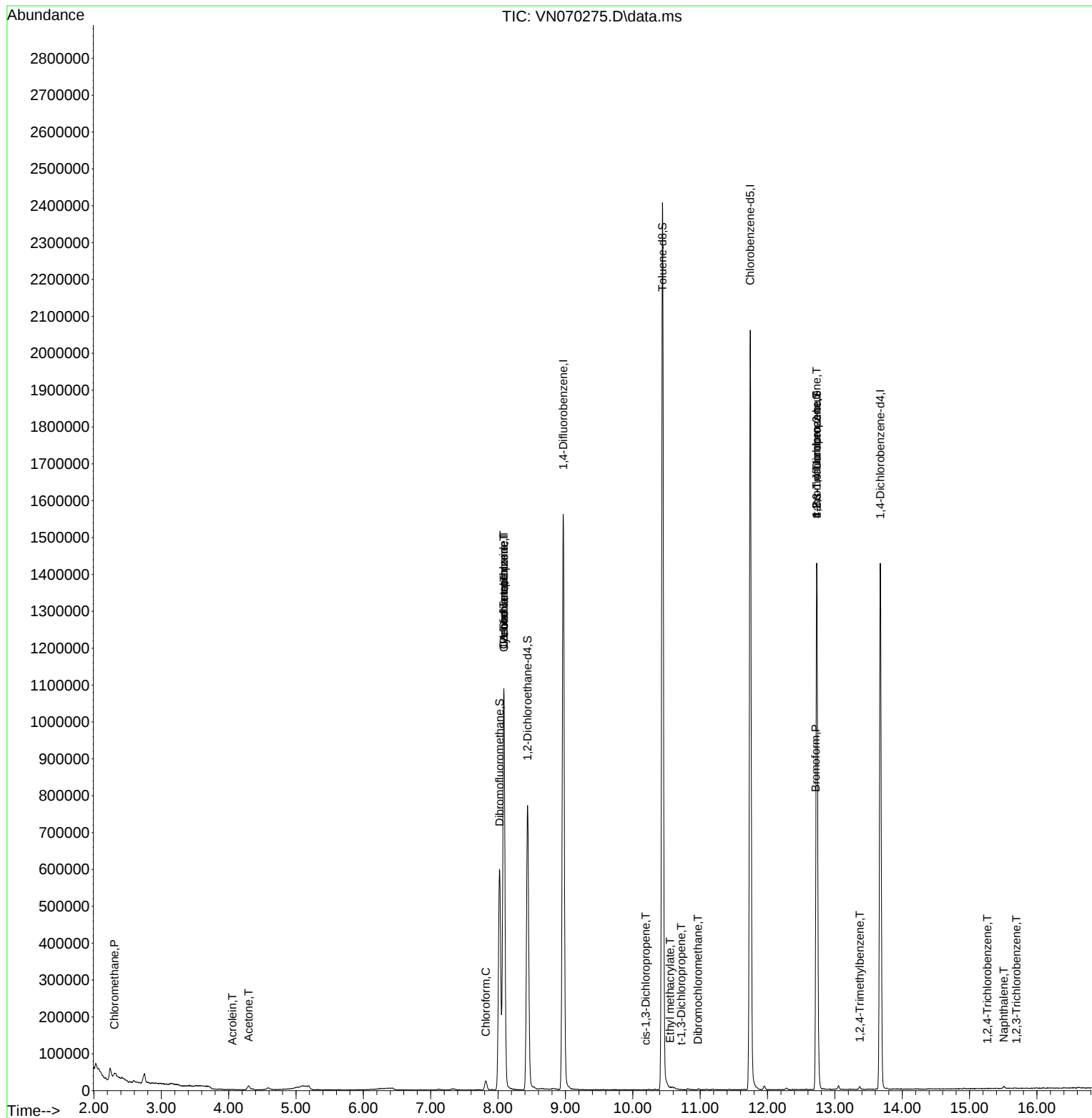
Internal Standards						
1) Pentafluorobenzene	8.086	168	807094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1347380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1159441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	383593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	672695	53.982	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.960%			
35) Dibromofluoromethane	8.024	113	444861	52.711	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.420%			
50) Toluene-d8	10.440	98	1672556	49.355	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.720%			
62) 4-Bromofluorobenzene	12.731	95	525154	42.776	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.560%			
Target Compounds						Qvalue
3) Chloromethane	2.303	50	3837	0.325	ug/l	97
13) Acrolein	4.055	56	776	0.387	ug/l #	32
16) Acetone	4.296	43	14926	1.991	ug/l	99
30) Chloroform	7.817	83	23420	1.322	ug/l	97
31) Cyclohexane	8.088	56	19952	1.150	ug/l #	30
36) 1,1-Dichloropropene	8.083	75	67362	5.252	ug/l #	49
38) Carbon Tetrachloride	8.083	117	82803	6.583	ug/l #	16
53) t-1,3-Dichloropropene	10.719	75	27	2.796	ug/l #	39
54) cis-1,3-Dichloropropene	10.191	75	90	2.004	ug/l #	46
56) Ethyl methacrylate	10.553	69	54	2.282	ug/l #	1
60) Dibromochloromethane	10.966	129	440	2.417	ug/l #	11
71) Bromoform	12.717	173	571	2.807	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	290204	26.381	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	290204	83.390	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.372	105	5259	0.201	ug/l	90
93) 1,2,4-Trichlorobenzene	15.265	180	87	2.891	ug/l #	59
95) Naphthalene	15.507	128	5702	4.265	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.697	180	81	2.448	ug/l #	33

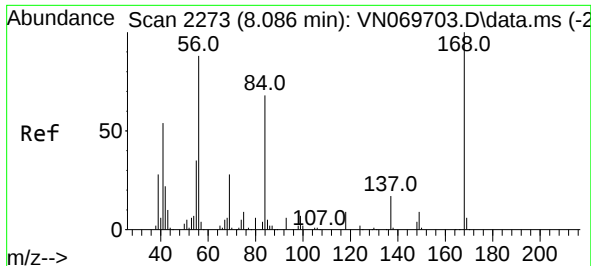
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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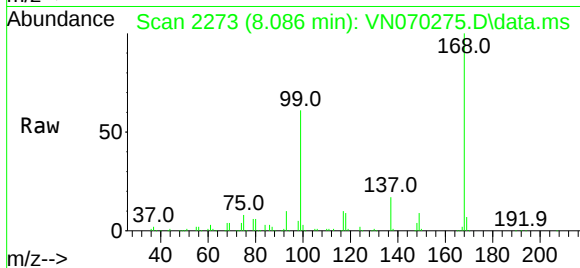
Quant Time: Dec 21 20:12:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



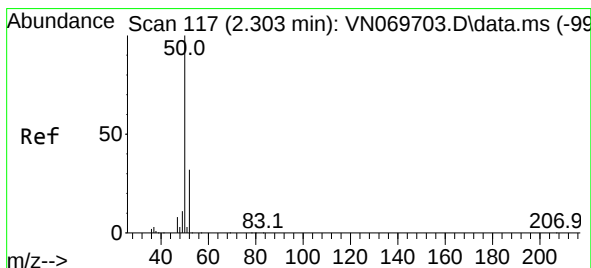
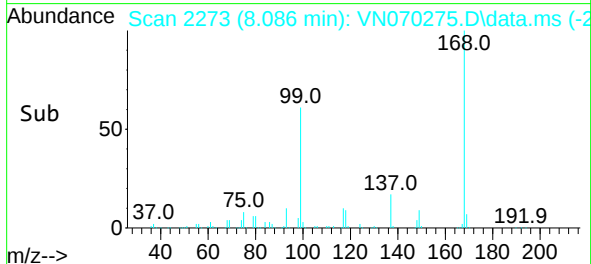
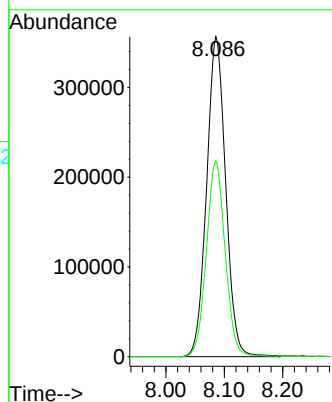


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Instrument :
MSVOA_N
ClientSampleId :

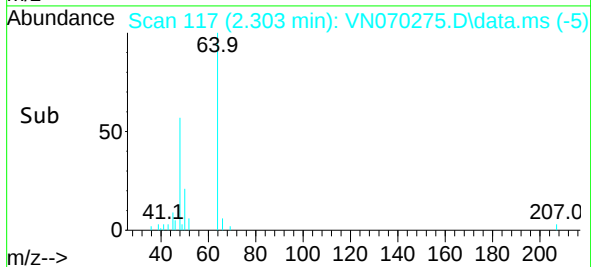
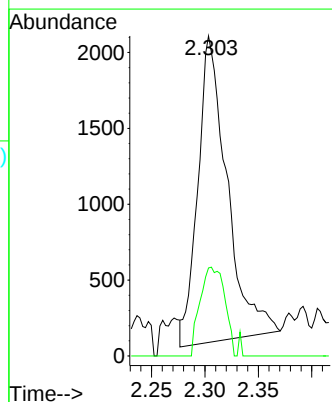
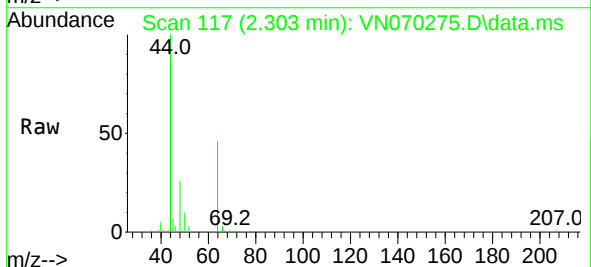


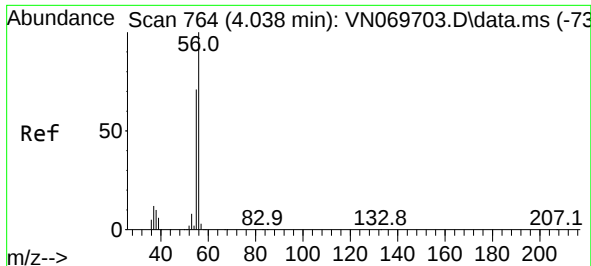
Tgt Ion:168 Resp: 807094
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#3
Chloromethane
Concen: 0.325 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

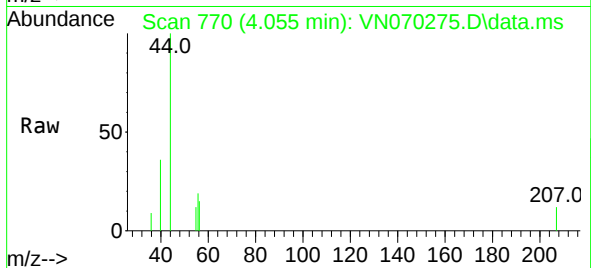
Tgt Ion: 50 Resp: 3837
Ion Ratio Lower Upper
50 100
52 29.8 25.4 38.0



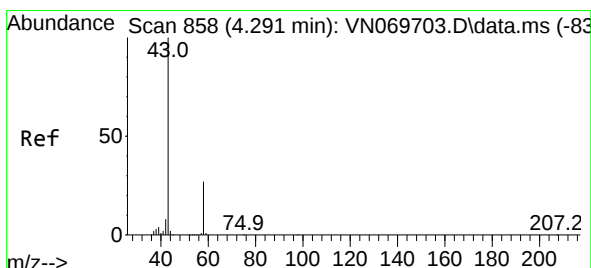
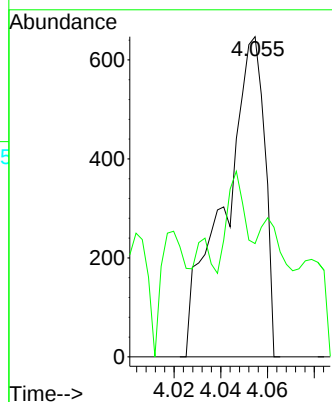
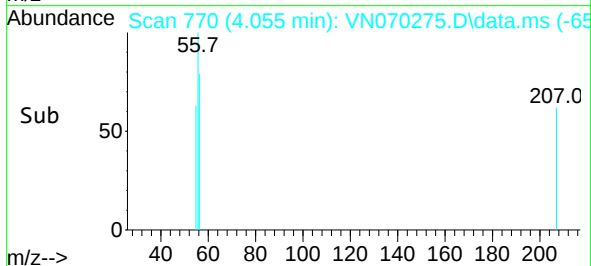


#13
Acrolein
Concen: 0.387 ug/l
RT: 4.055 min Scan# 776
Delta R.T. 0.016 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Instrument :
MSVOA_N
ClientSampleId :

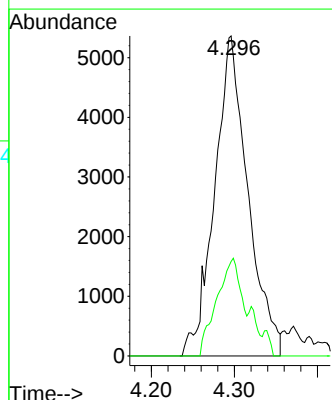
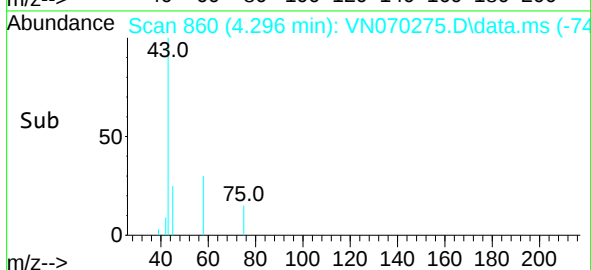
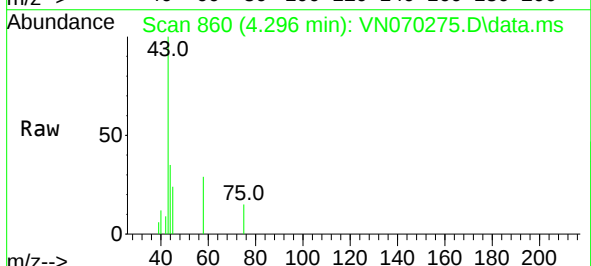


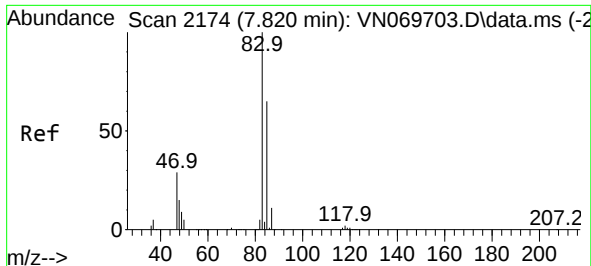
Tgt Ion: 56 Resp: 776
Ion Ratio Lower Upper
56 100
55 14.7 56.6 85.0#



#16
Acetone
Concen: 1.991 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.006 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Tgt Ion: 43 Resp: 14926
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7





#30

Chloroform

Concen: 1.322 ug/l

RT: 7.817 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

Instrument :

MSVOA_N

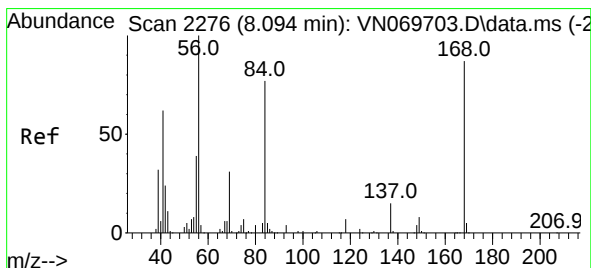
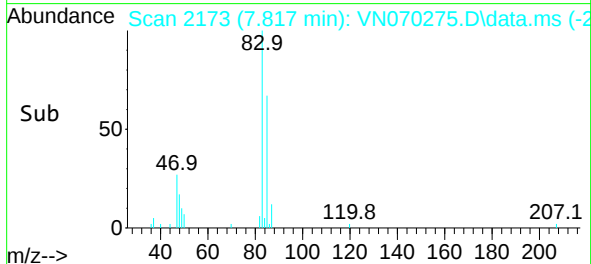
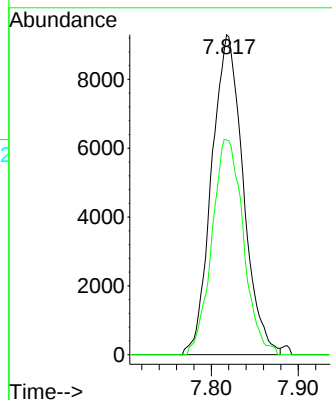
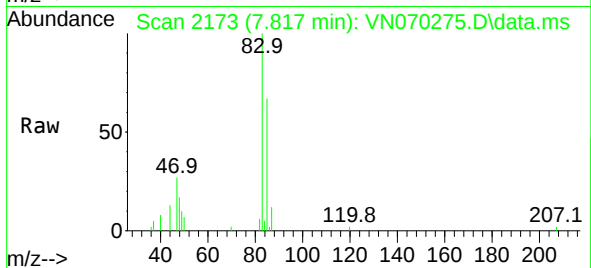
ClientSampleId :

Tgt Ion: 83 Resp: 23420

Ion Ratio Lower Upper

83 100

85 67.1 51.9 77.9



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.005 min

Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

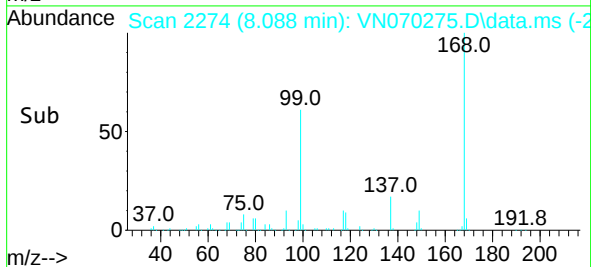
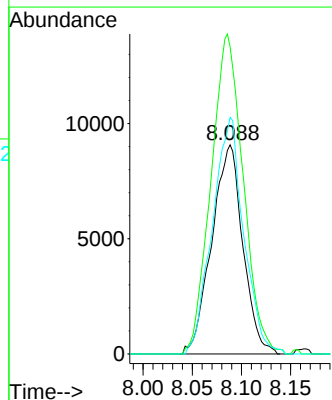
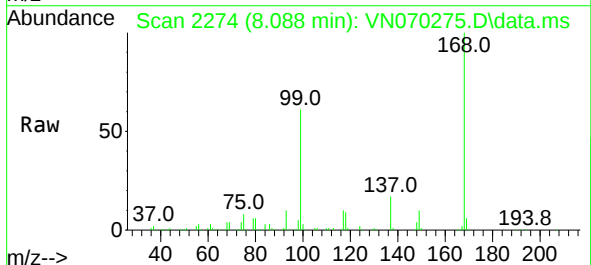
Tgt Ion: 56 Resp: 19952

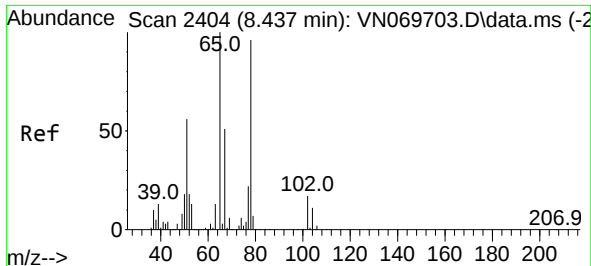
Ion Ratio Lower Upper

56 100

69 146.8 27.1 40.7#

84 113.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.982 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

Instrument :

MSVOA_N

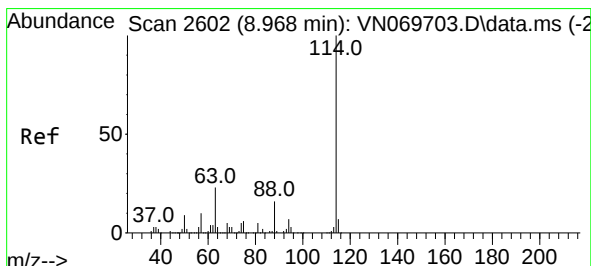
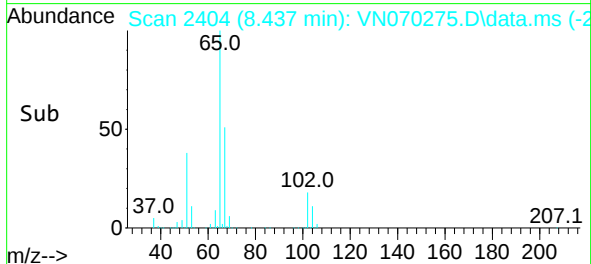
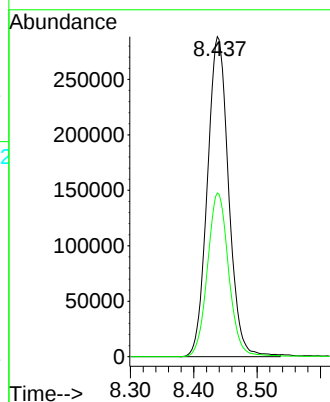
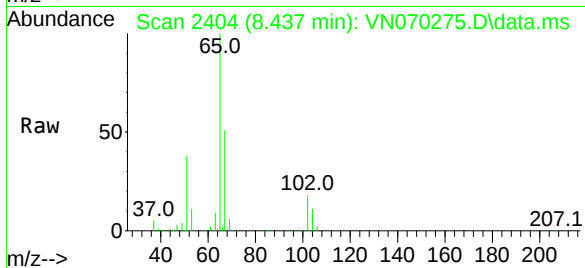
ClientSampleId :

Tgt Ion: 65 Resp: 672695

Ion Ratio Lower Upper

65 100

67 51.1 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: VN070275.D

Acq: 21 Dec 2021 18:25

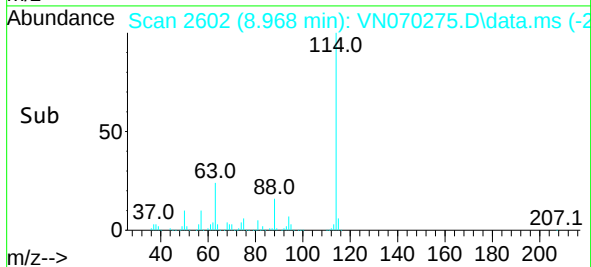
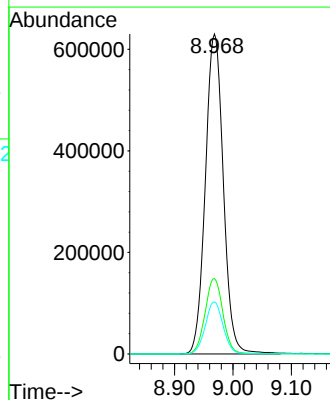
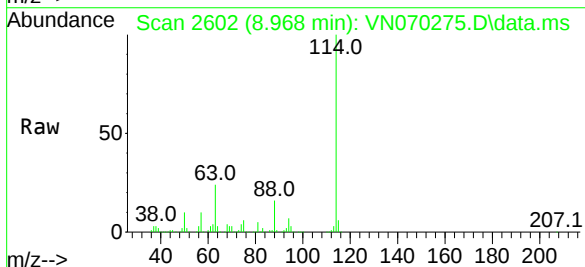
Tgt Ion: 114 Resp: 1347380

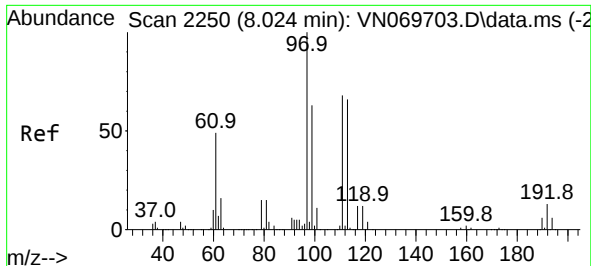
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

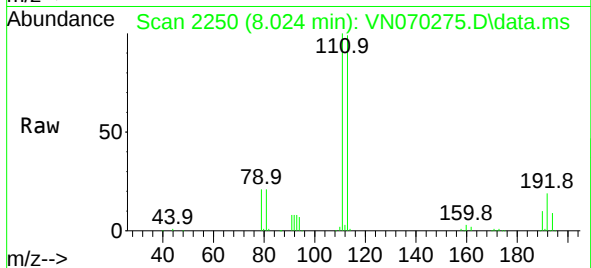
88 16.3 0.0 27.4



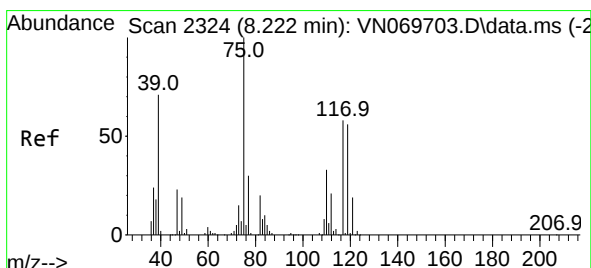
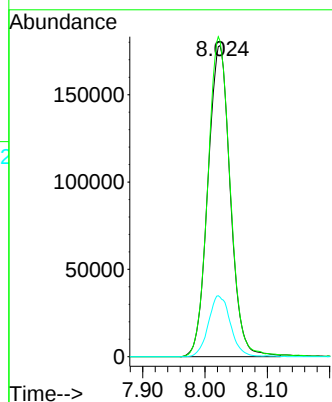
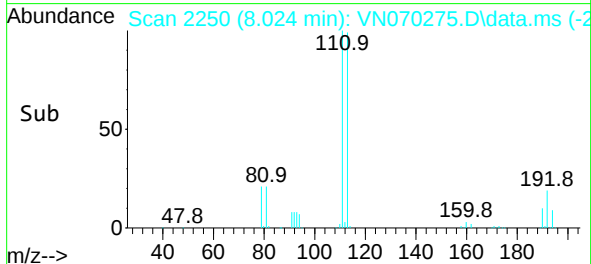


#35
Dibromofluoromethane
Concen: 52.711 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

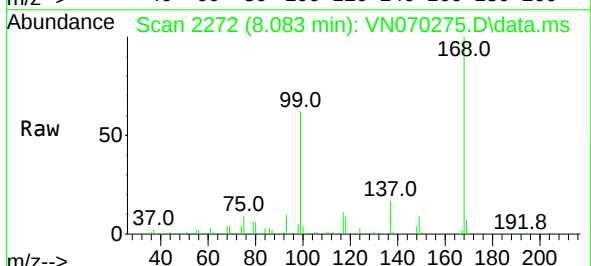
Instrument :
MSVOA_N
ClientSampleId :



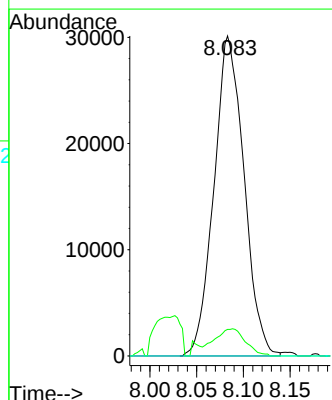
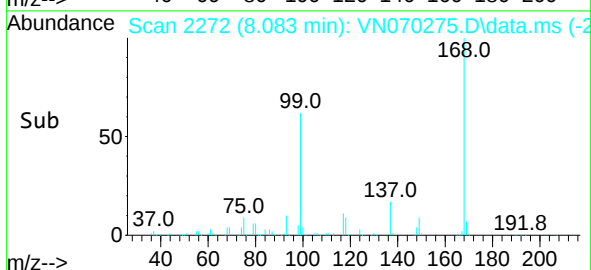
Tgt Ion:113 Resp: 444861
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 19.3 16.9 25.3

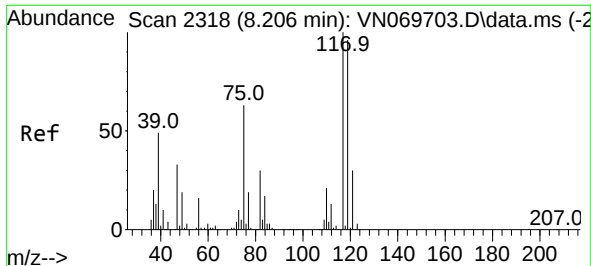


#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25



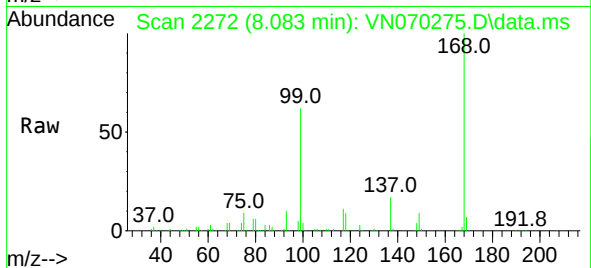
Tgt Ion: 75 Resp: 67362
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



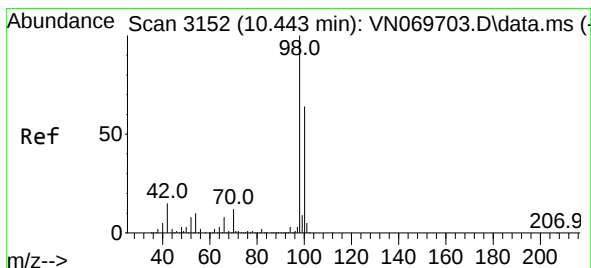
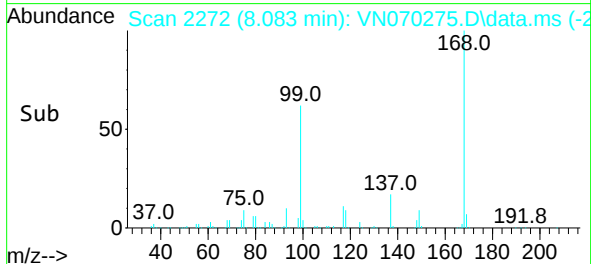
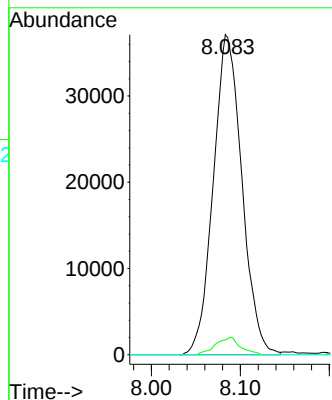


#38
Carbon Tetrachloride
Concen: 6.583 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Instrument :
MSVOA_N
ClientSampleId :

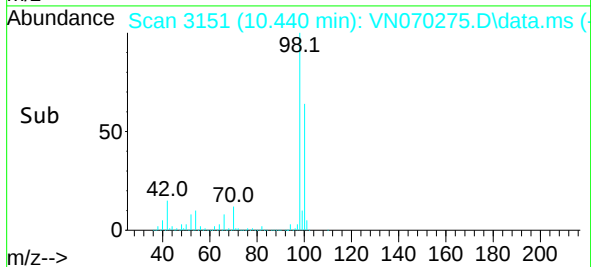
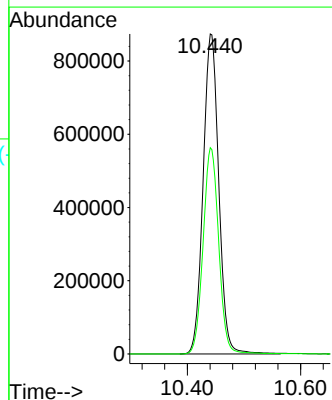
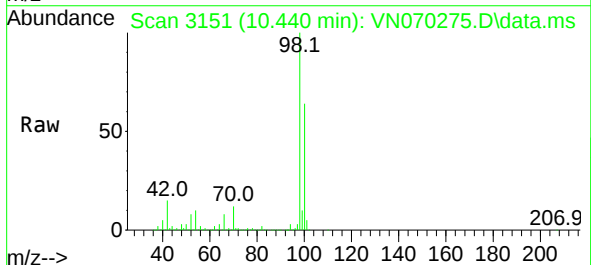


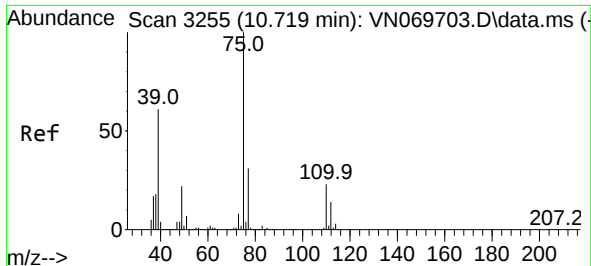
Tgt Ion:117 Resp: 82803
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.355 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

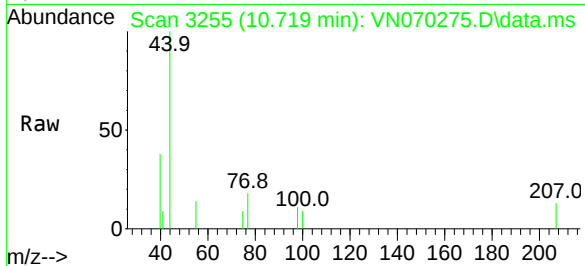
Tgt Ion: 98 Resp: 1672556
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



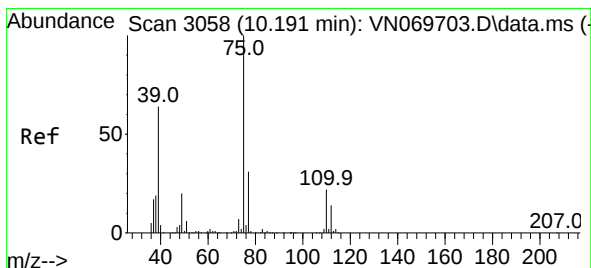
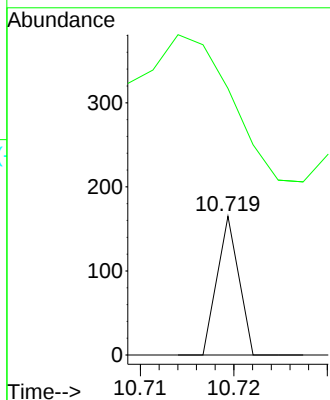
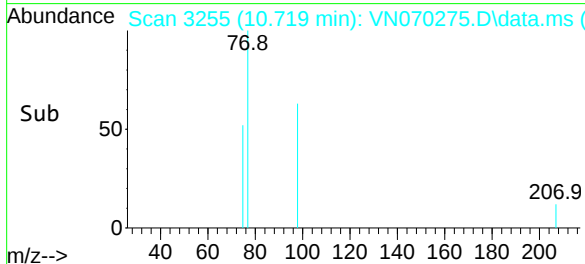


#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

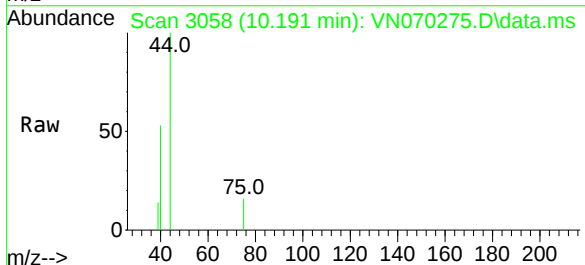
Instrument :
MSVOA_N
ClientSampleId :



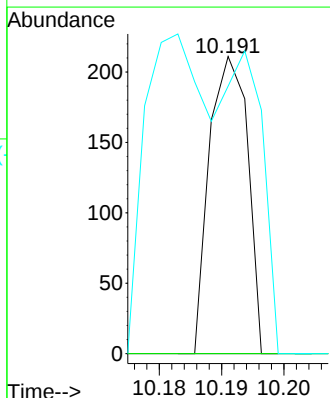
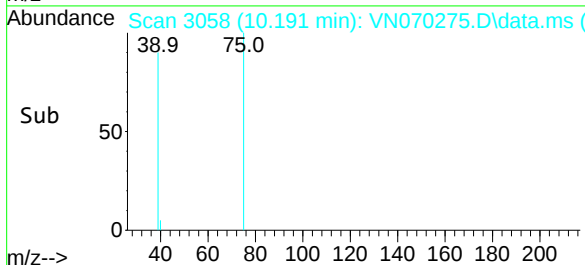
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 66.1 25.6 38.4#

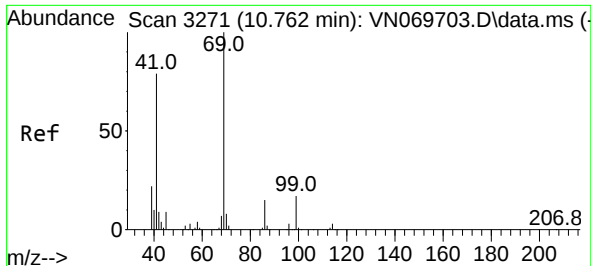


#54
cis-1,3-Dichloropropene
Concen: 2.004 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. 0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25



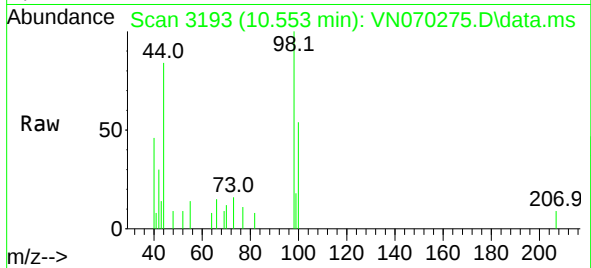
Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 90.0 42.5 63.7#



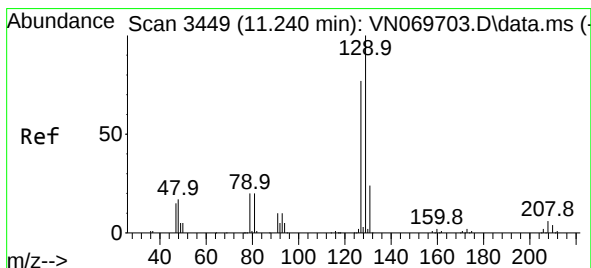
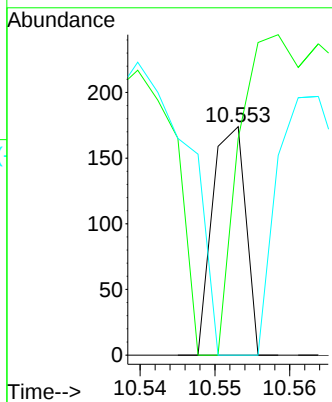
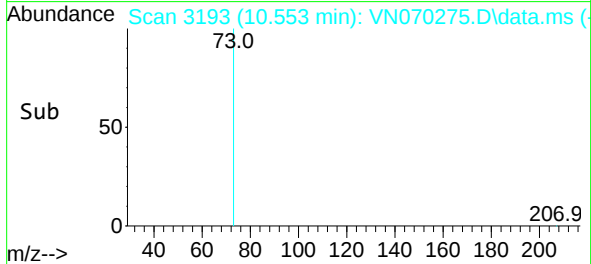


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.553 min Scan# 3193
Delta R.T. -0.209 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Instrument :
MSVOA_N
ClientSampleId :

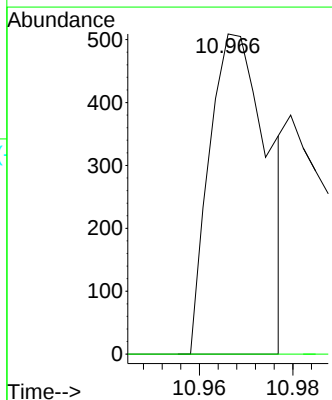
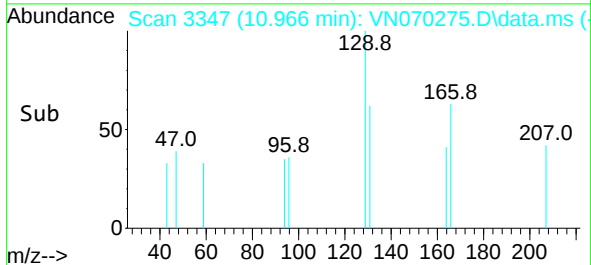
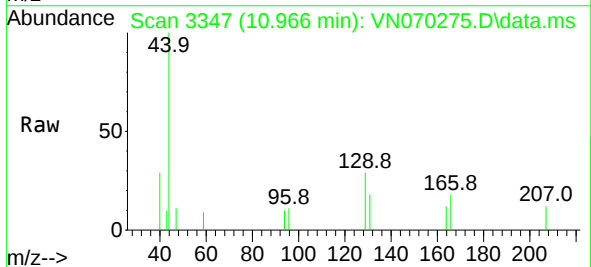


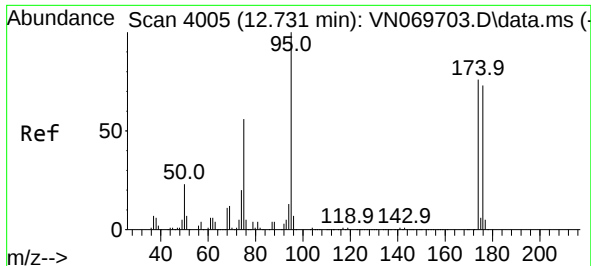
Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 257.4 51.4 77.0#
39 209.3 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.417 ug/l
RT: 10.966 min Scan# 3347
Delta R.T. -0.274 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Tgt Ion: 129 Resp: 440
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

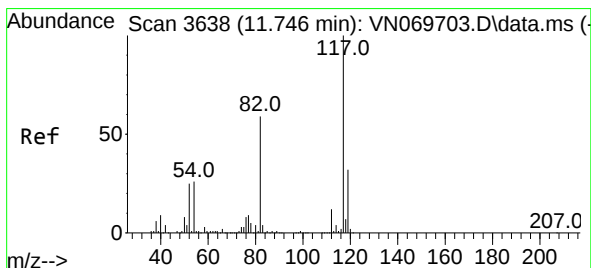
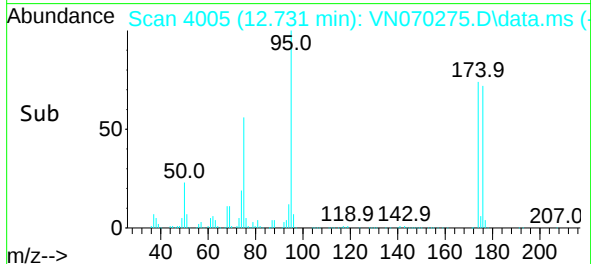
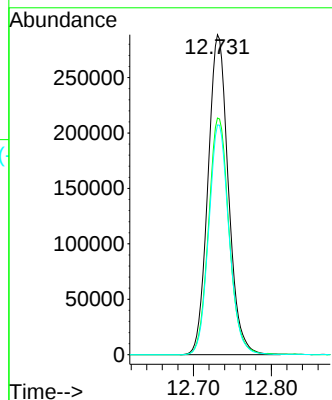
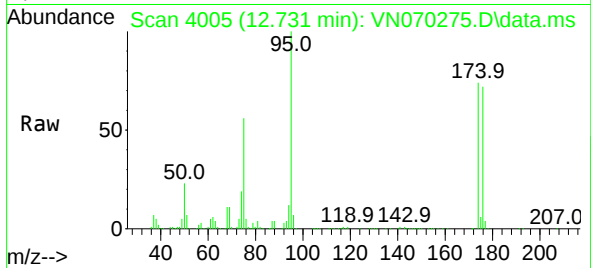




#62
4-Bromofluorobenzene
Concen: 42.776 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

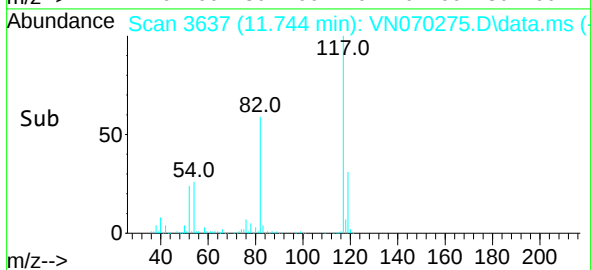
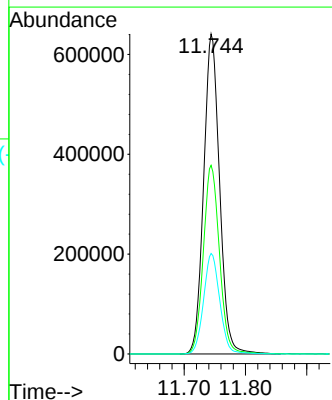
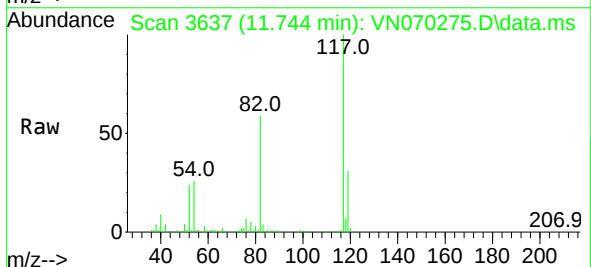
Instrument :
MSVOA_N
ClientSampleId :

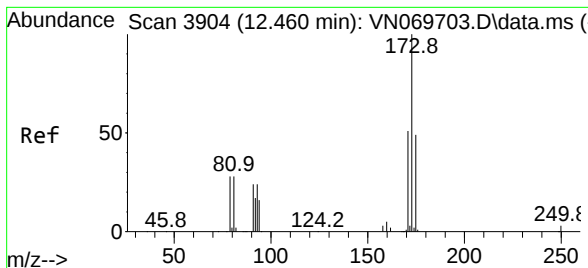
Tgt Ion: 95 Resp: 525154
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Tgt Ion: 117 Resp: 1159441
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.4 25.4 38.2





#71

Bromoform

Concen: 2.807 ug/l

RT: 12.717 min Scan# 40

Delta R.T. 0.257 min

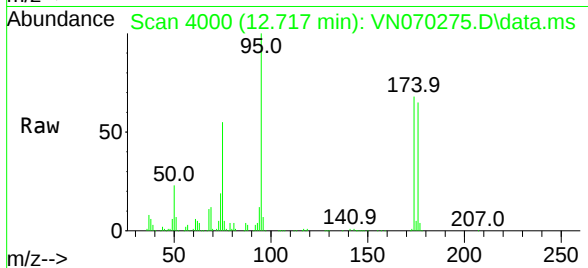
Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

Instrument :

MSVOA_N

ClientSampleId :



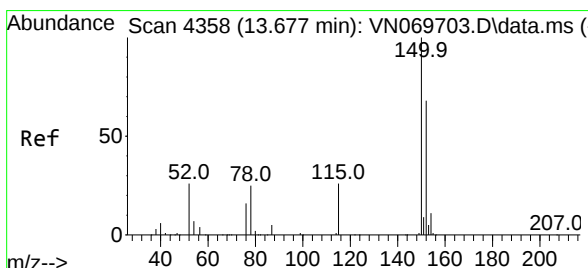
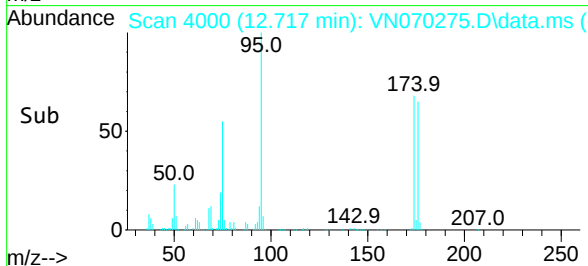
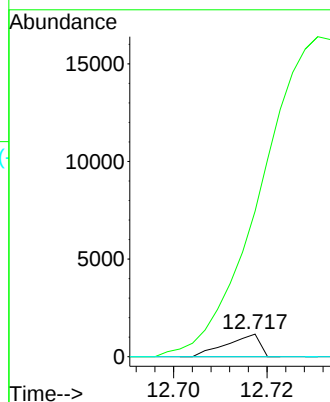
Tgt Ion:173 Resp: 571

Ion Ratio Lower Upper

173 100

175 4796.3 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# 4357

Delta R.T. -0.003 min

Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

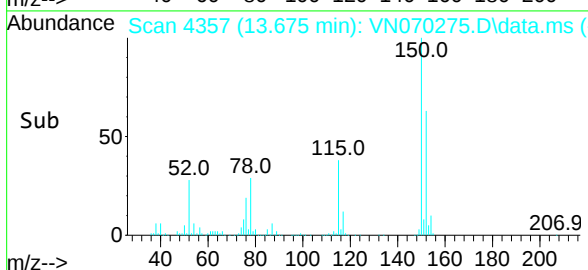
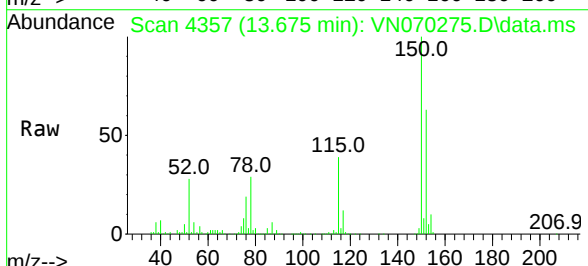
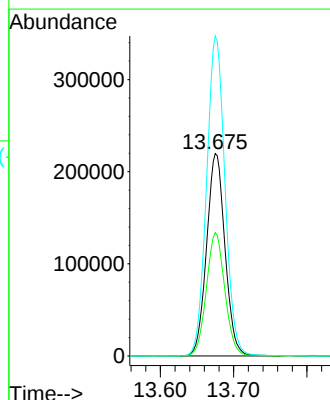
Tgt Ion:152 Resp: 383593

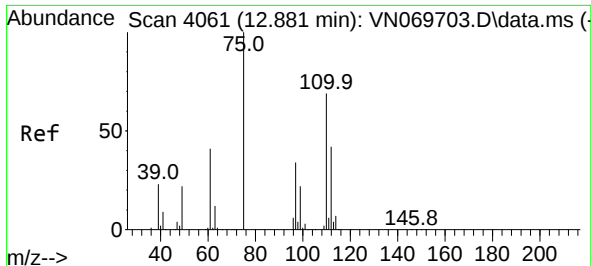
Ion Ratio Lower Upper

152 100

115 61.1 27.5 82.5

150 157.7 0.0 344.4

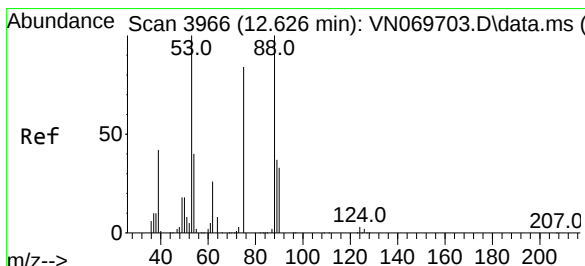
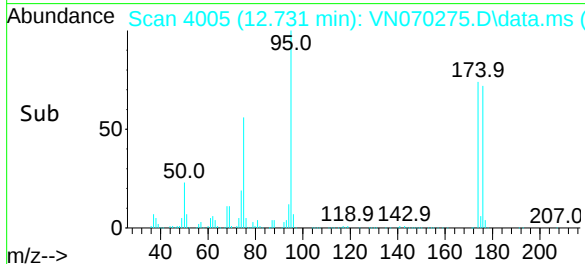
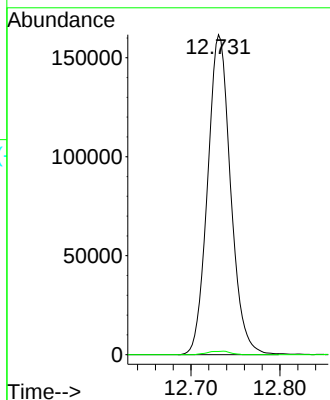
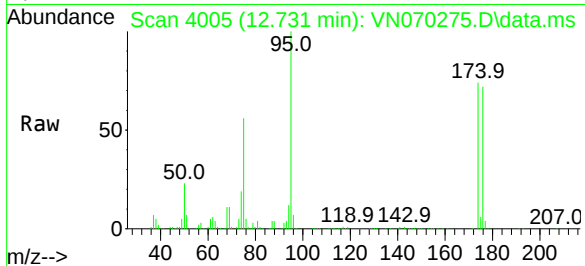




#76
1,2,3-Trichloropropane
Concen: 26.381 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

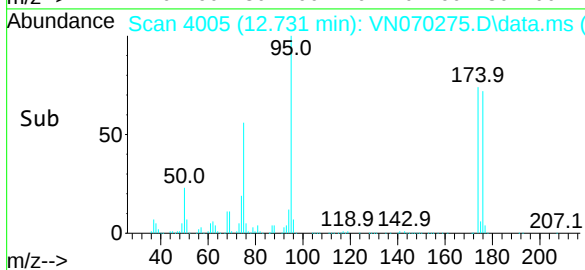
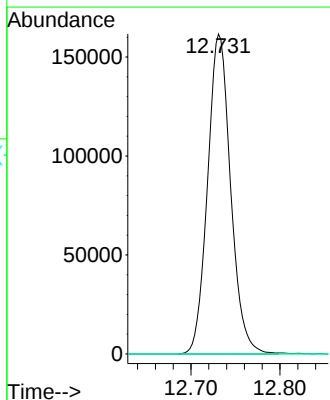
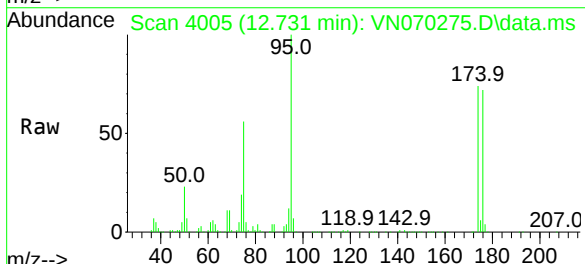
Instrument :
MSVOA_N
ClientSampleId :

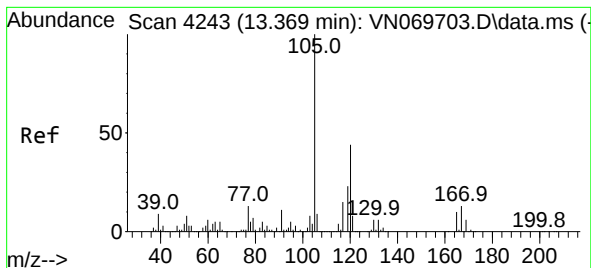
Tgt Ion: 75 Resp: 290204
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.390 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Tgt Ion: 75 Resp: 290204
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.201 ug/l

RT: 13.372 min Scan# 41

Delta R.T. 0.003 min

Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

Instrument :

MSVOA_N

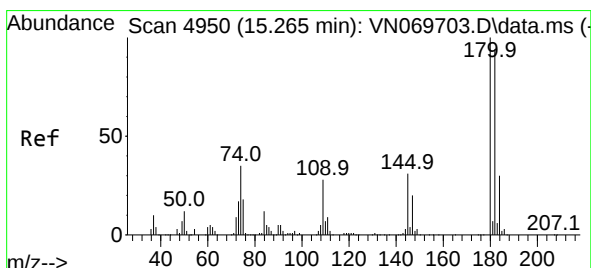
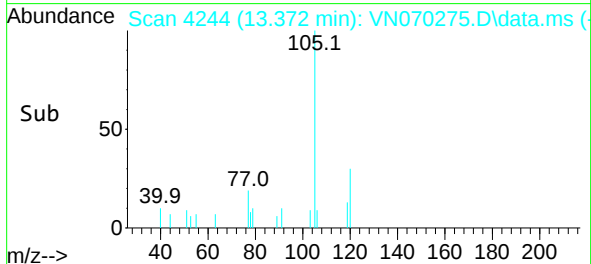
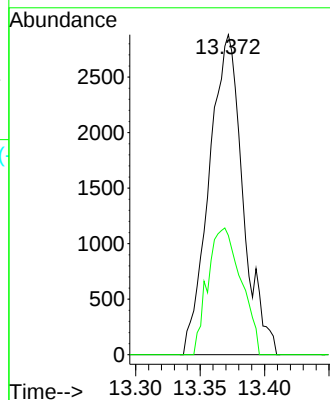
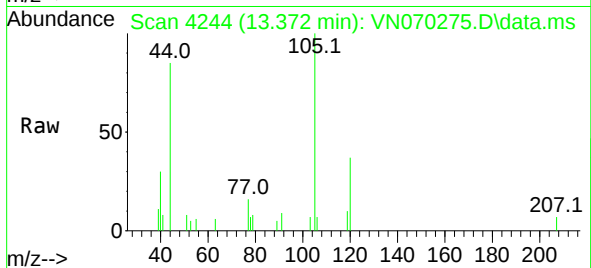
ClientSampleId :

Tgt Ion:105 Resp: 5259

Ion Ratio Lower Upper

105 100

120 39.0 22.8 68.4



#93

1,2,4-Trichlorobenzene

Concen: 2.891 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN070275.D

Acq: 21 Dec 2021 18:25

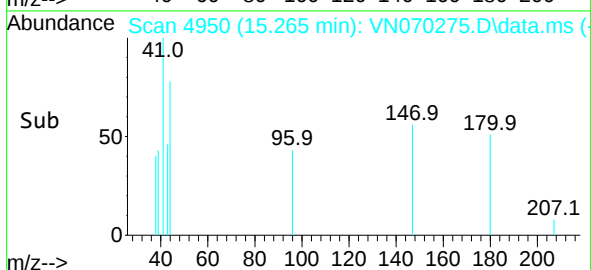
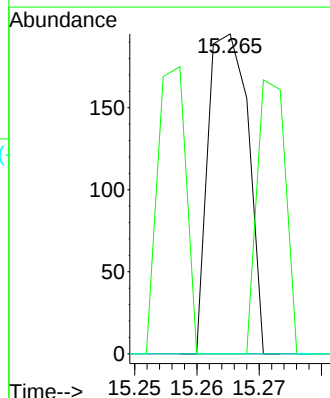
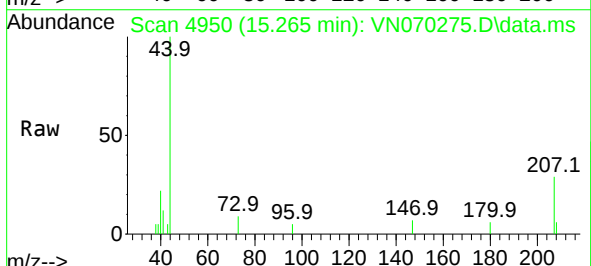
Tgt Ion:180 Resp: 87

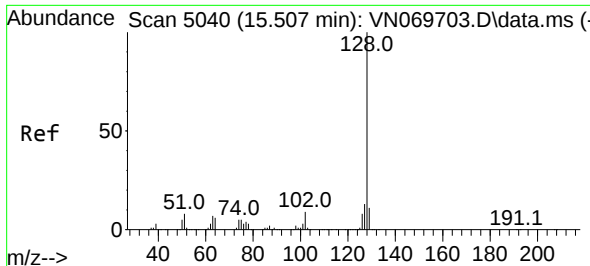
Ion Ratio Lower Upper

180 100

182 60.9 48.3 144.9

145 0.0 14.5 43.5#

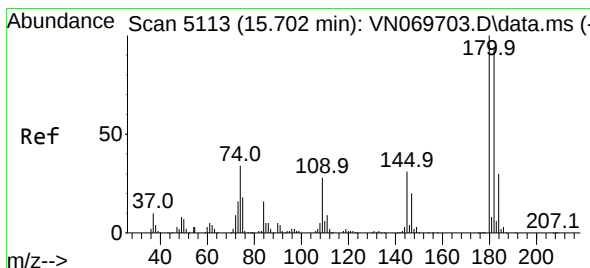
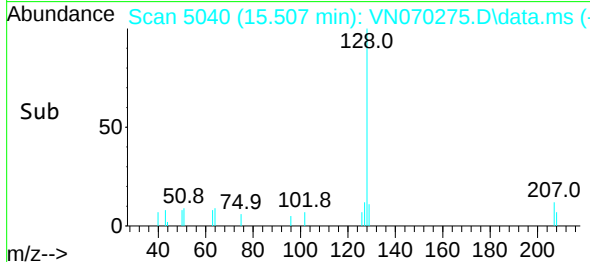
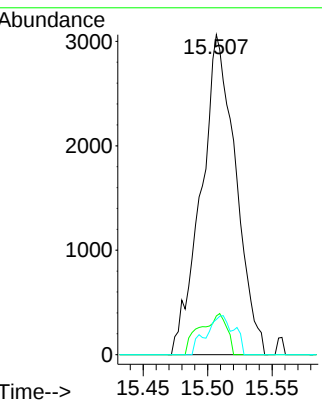
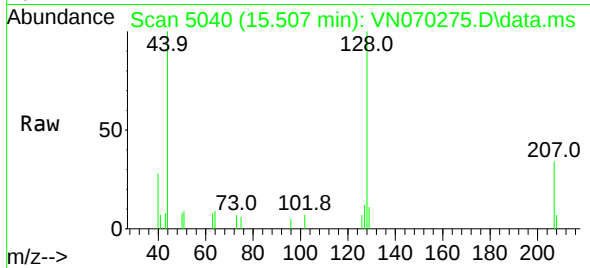




#95
Naphthalene
Concen: 4.265 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 5702
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.448 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN070275.D
Acq: 21 Dec 2021 18:25

Tgt Ion:180 Resp: 81
Ion Ratio Lower Upper
180 100
182 163.0 47.4 142.2#
145 0.0 15.0 45.1#

