

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070277.D
 Acq On : 21 Dec 2021 19:16
 Operator : JC/MD
 Sample : M5182-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 20:12:39 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)

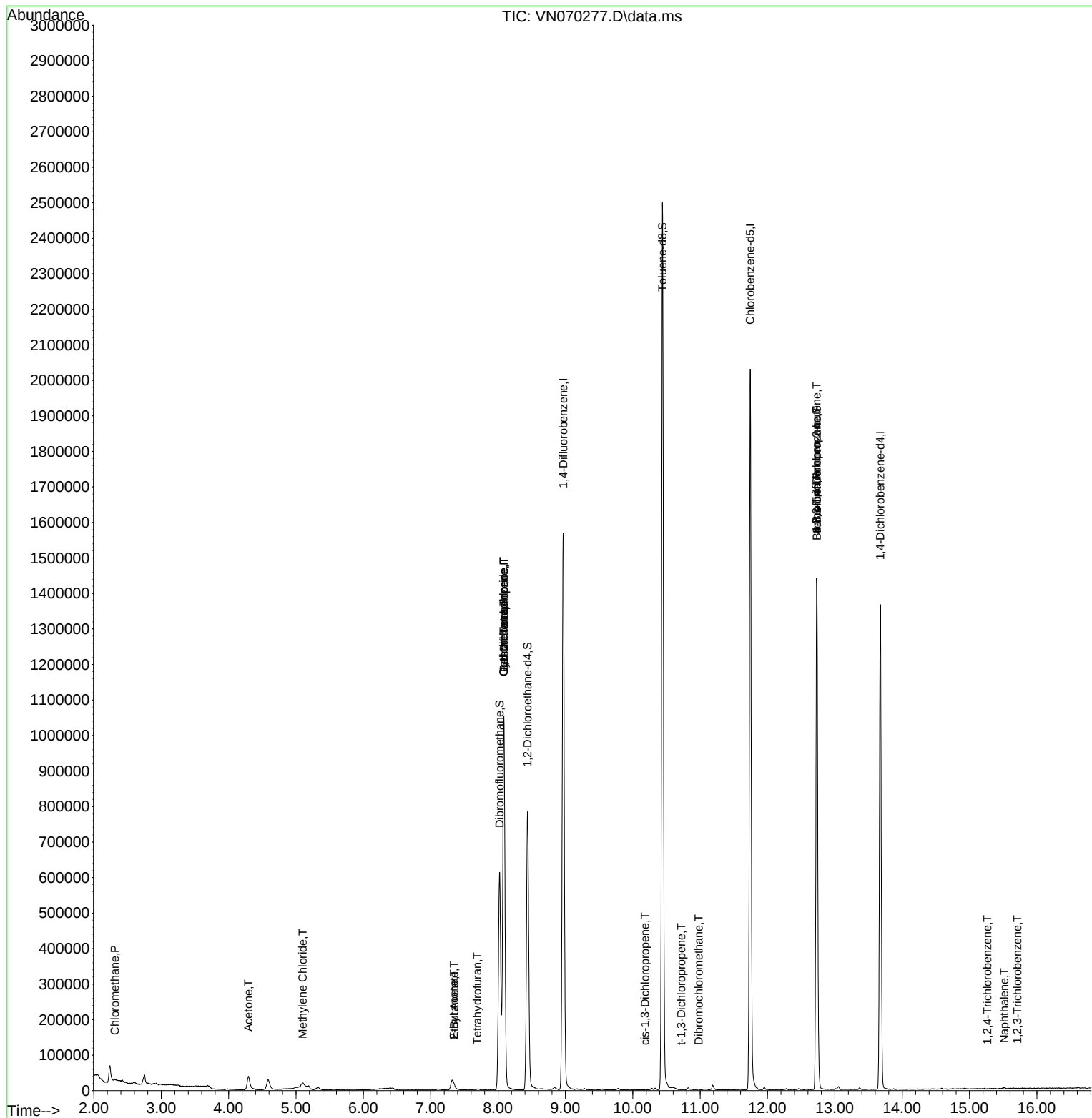
Internal Standards						
1) Pentafluorobenzene	8.086	168	794589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1345849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1165651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	370072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	687647	56.050	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.100%	
35) Dibromofluoromethane	8.024	113	456061	54.099	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.200%	
50) Toluene-d8	10.440	98	1718349	50.764	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	12.731	95	531169	43.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 86.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3514	0.303	ug/l	96
16) Acetone	4.293	43	67002	9.079	ug/l	100
20) Methylene Chloride	5.098	84	5246	0.535	ug/l	93
25) 2-Butanone	7.348	43	17258	1.721	ug/l #	81
29) Tetrahydrofuran	7.691	42	1463	0.240	ug/l #	38
31) Cyclohexane	8.083	56	20866	1.222	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	66435	5.185	ug/l #	49
37) Ethyl Acetate	7.348	43	17258	0.905	ug/l #	69
38) Carbon Tetrachloride	8.083	117	81774	6.509	ug/l #	16
53) t-1,3-Dichloropropene	10.719	75	85	2.799	ug/l #	84
54) cis-1,3-Dichloropropene	10.180	75	27	2.000	ug/l #	41
60) Dibromochloromethane	10.977	129	89	2.384	ug/l #	11
71) Bromoform	12.734	173	1627	2.947	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	289402	27.269	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	289402	86.061	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	51	2.886	ug/l #	12
95) Naphthalene	15.515	128	3179	4.147	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.708	180	56	2.445	ug/l #	85

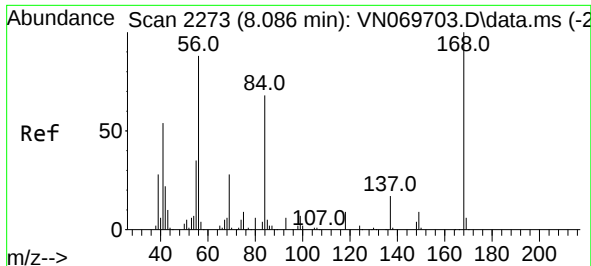
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

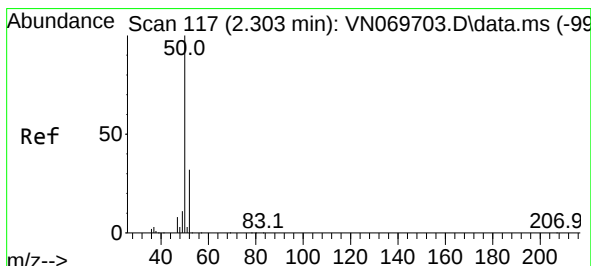
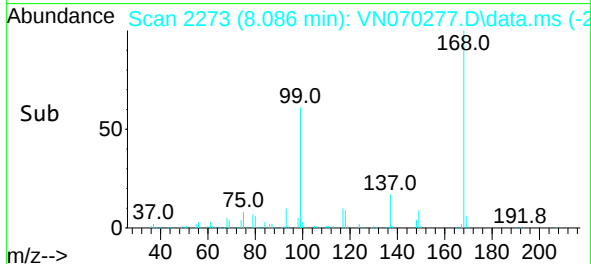
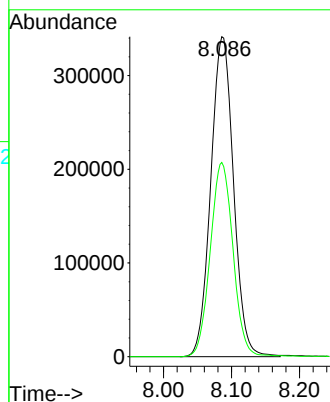
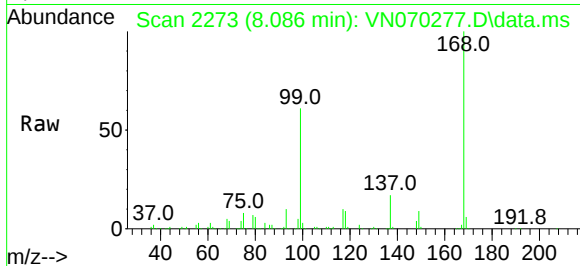




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

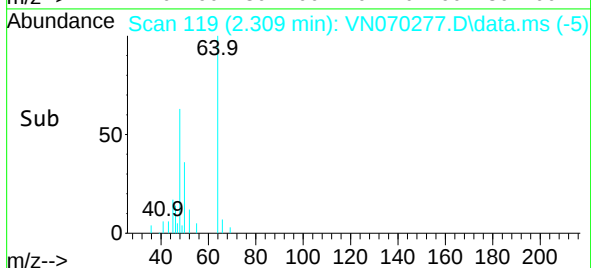
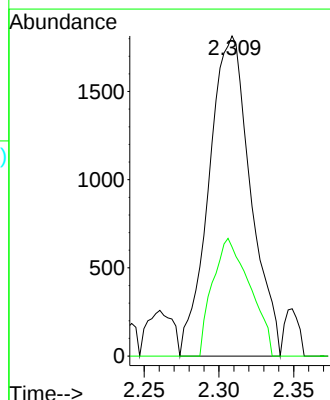
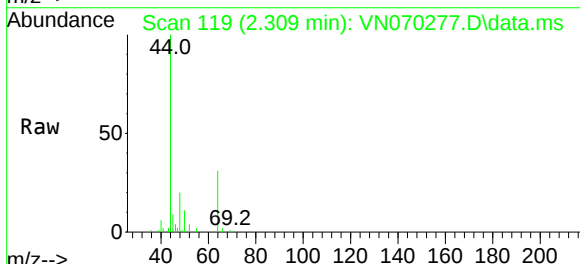
Instrument :
MSVOA_N
ClientSampleId :

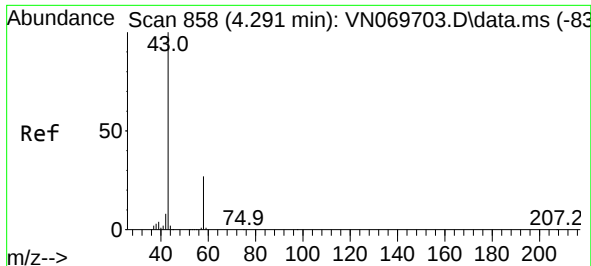
Tgt Ion:168 Resp: 794589
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Tgt Ion: 50 Resp: 3514
Ion Ratio Lower Upper
50 100
52 34.0 25.4 38.0

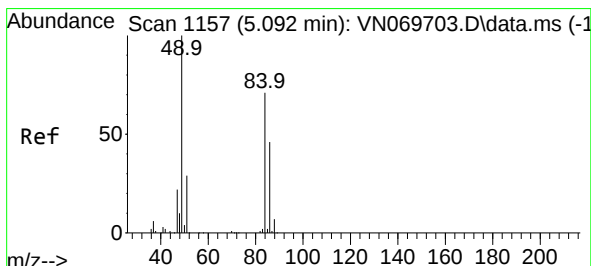
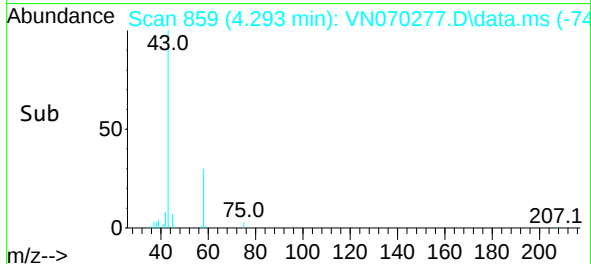
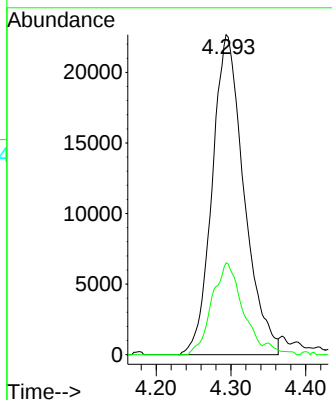
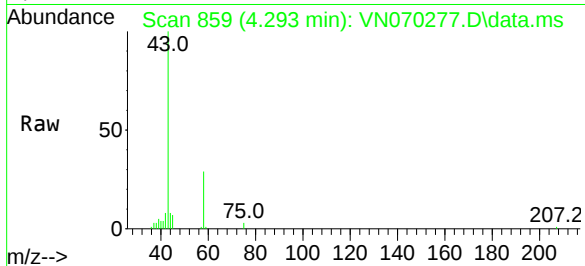




#16
Acetone
Concen: 9.079 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

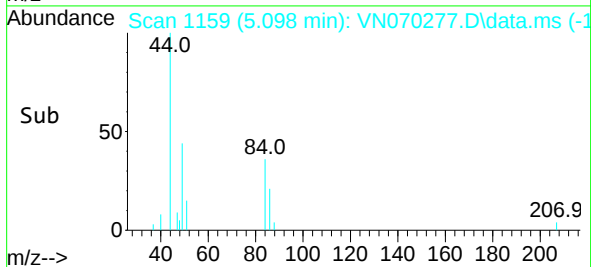
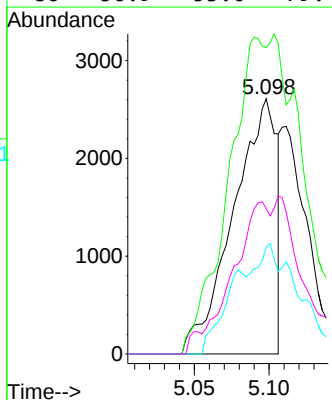
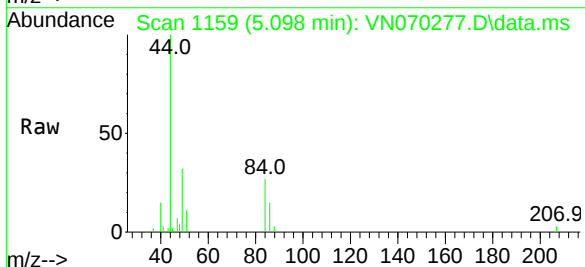
Instrument :
MSVOA_N
ClientSampleId :

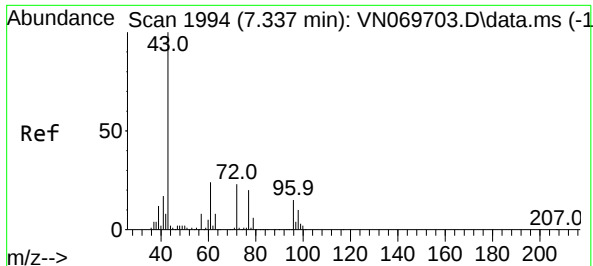
Tgt Ion: 43 Resp: 67002
Ion Ratio Lower Upper
43 100
58 28.7 23.1 34.7



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Tgt Ion: 84 Resp: 5246
Ion Ratio Lower Upper
84 100
49 120.0 93.5 140.3
51 42.0 29.4 44.2
86 56.9 53.0 79.4





#25

2-Butanone

Concen: 1.721 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

Lab File: VN070277.D

Acq: 21 Dec 2021 19:16

Instrument :

MSVOA_N

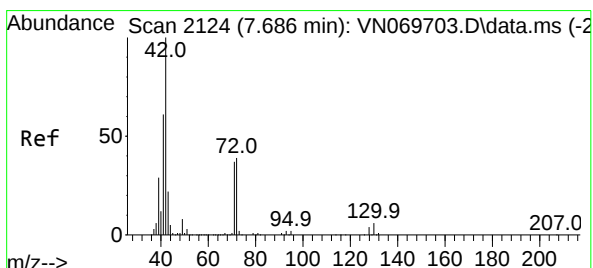
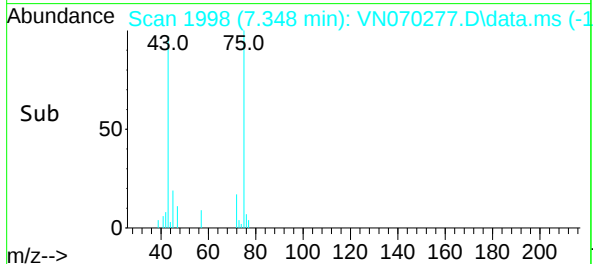
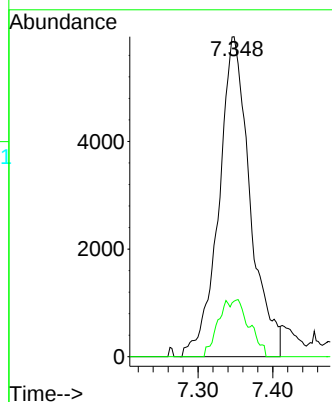
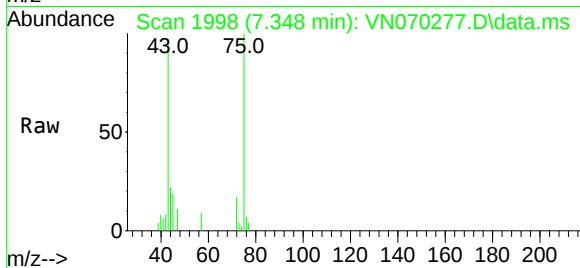
ClientSampleId :

Tgt Ion: 43 Resp: 17258

Ion Ratio Lower Upper

43 100

72 17.4 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.006 min

Lab File: VN070277.D

Acq: 21 Dec 2021 19:16

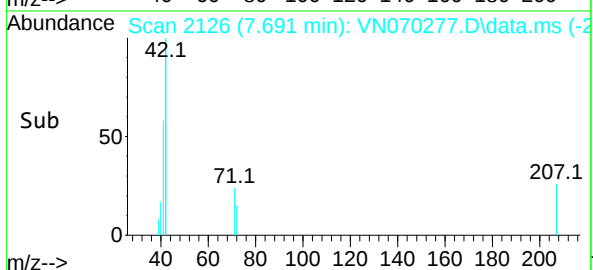
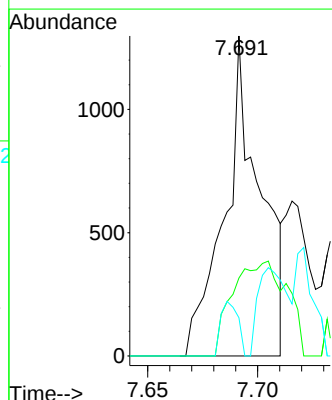
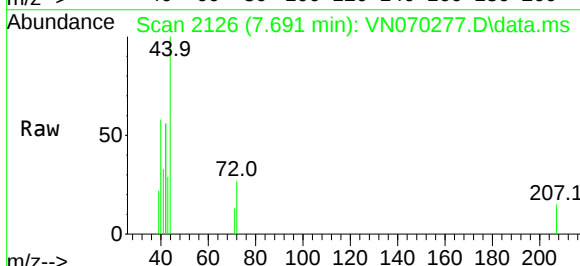
Tgt Ion: 42 Resp: 1463

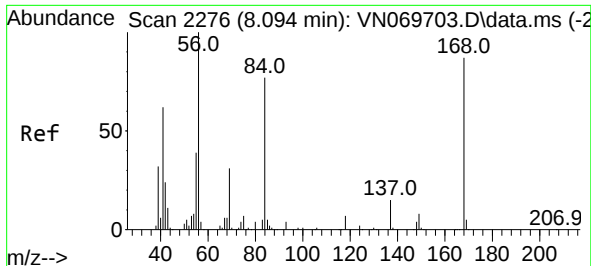
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

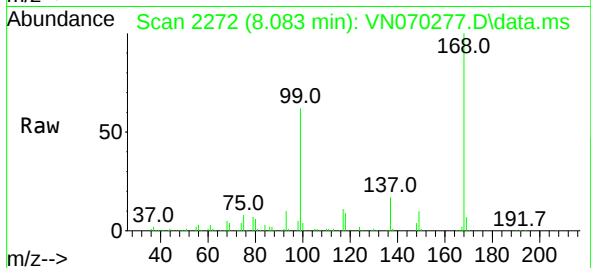
71 8.2 34.7 52.1#



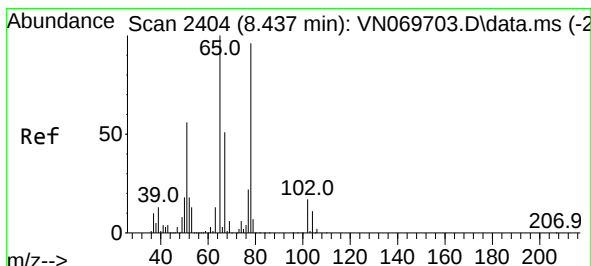
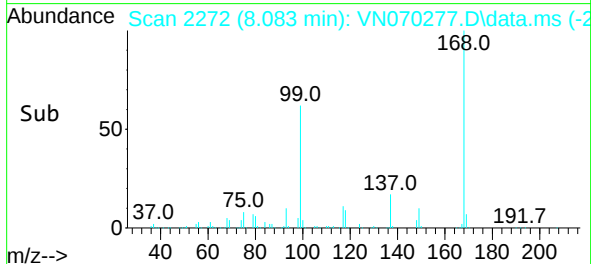
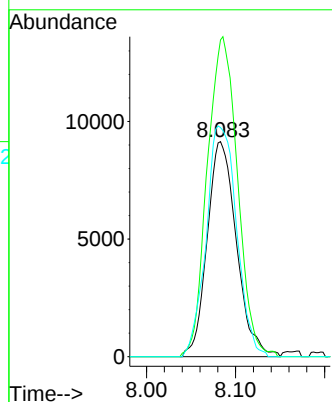


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Instrument :
MSVOA_N
ClientSampleId :

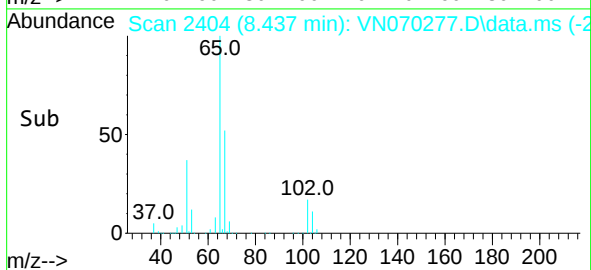
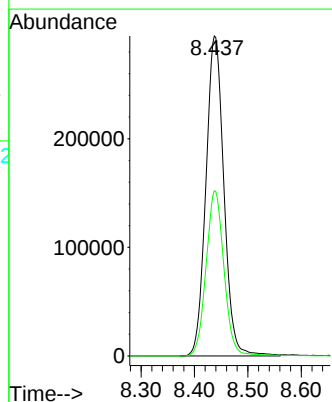
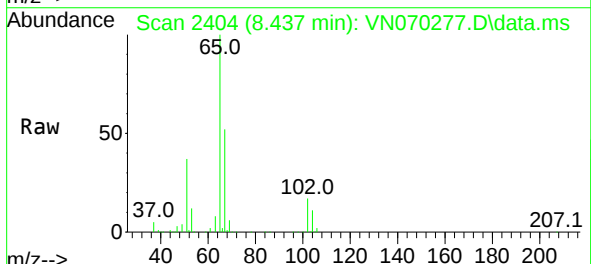


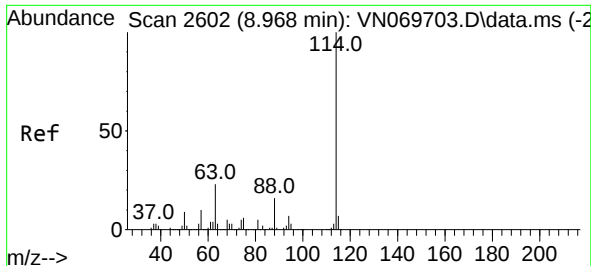
Tgt Ion: 56 Resp: 20866
Ion Ratio Lower Upper
56 100
69 147.4 27.1 40.7#
84 106.6 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 56.050 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

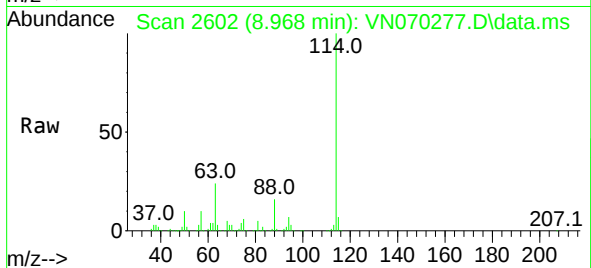
Tgt Ion: 65 Resp: 687647
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



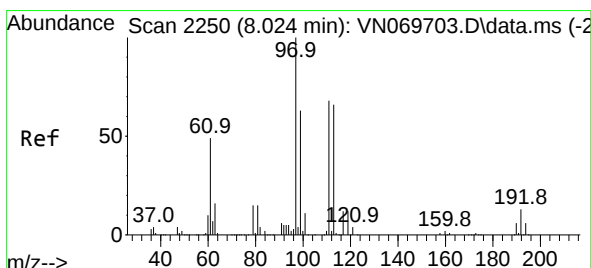
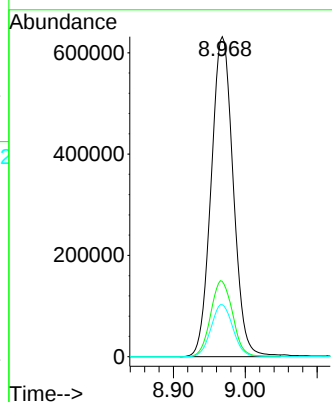
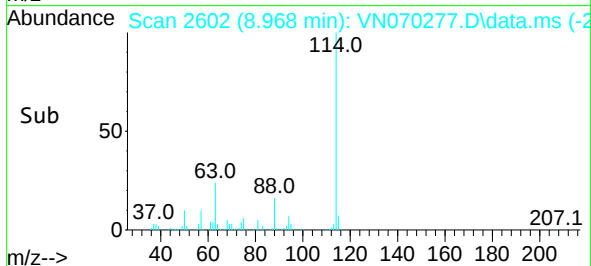


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Instrument :
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ClientSampleId :

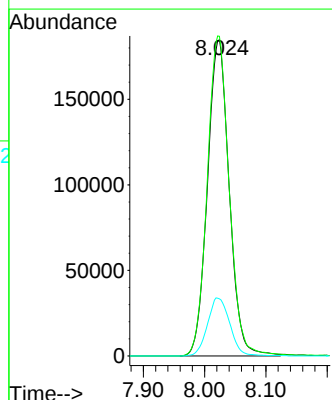
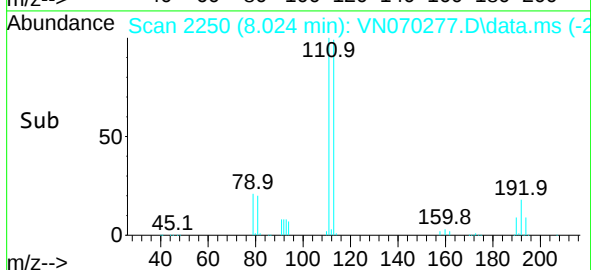
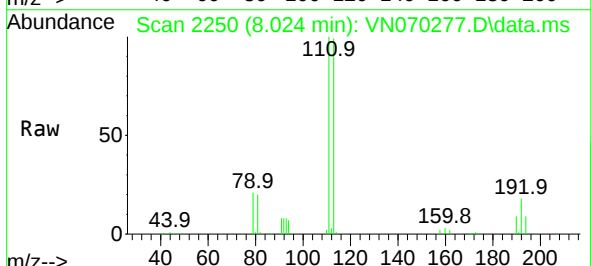


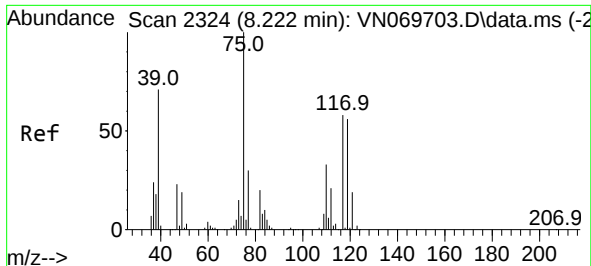
Tgt Ion:114 Resp: 1345849
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 54.099 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

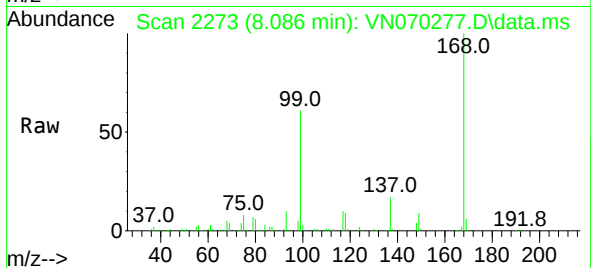
Tgt Ion:113 Resp: 456061
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.8 16.9 25.3



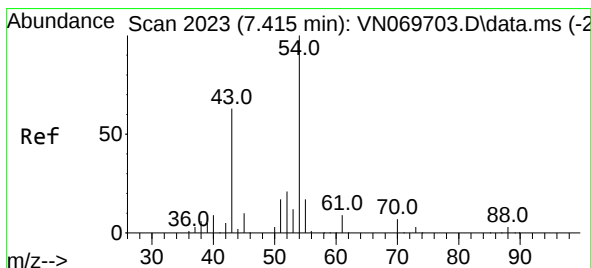
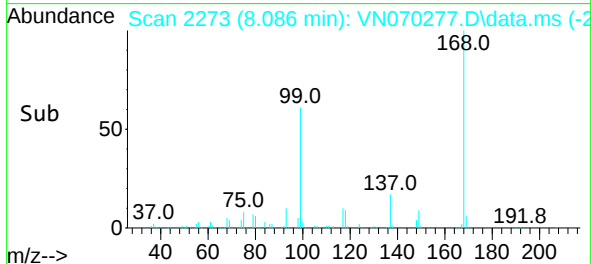
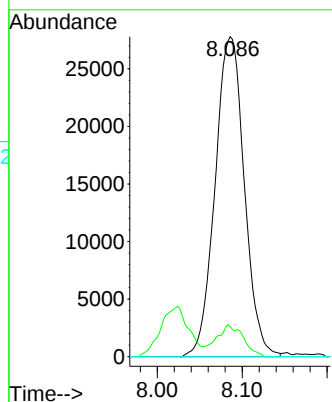


#36
1,1-Dichloropropene
Concen: 5.185 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Instrument :
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ClientSampleId :

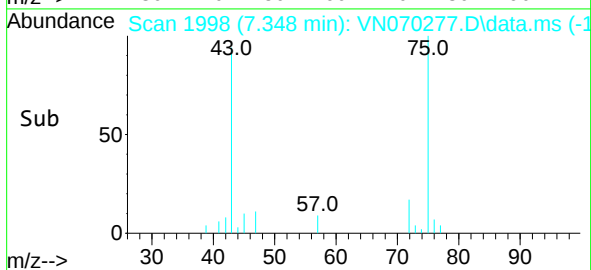
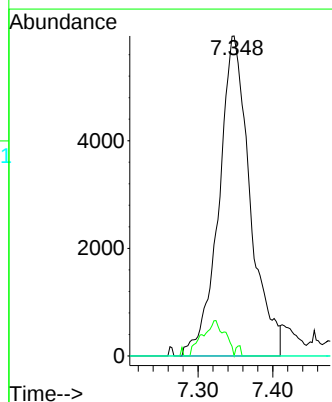
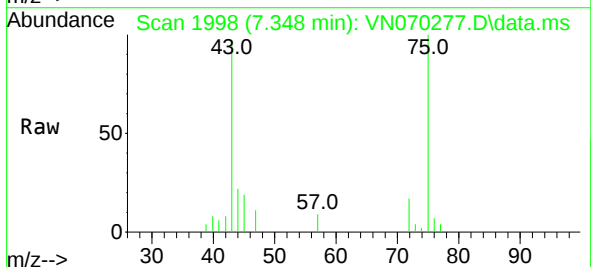


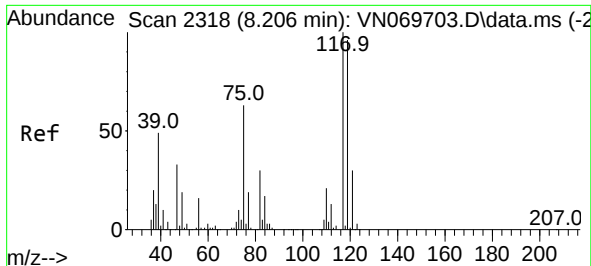
Tgt Ion: 75 Resp: 66435
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.905 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

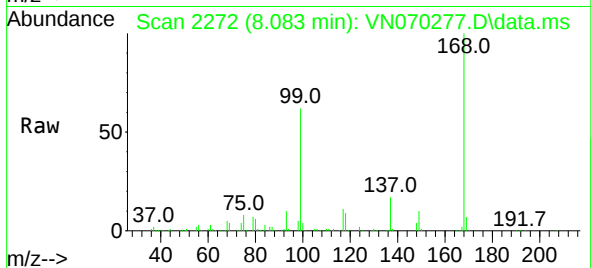
Tgt Ion: 43 Resp: 17258
Ion Ratio Lower Upper
43 100
61 0.5 11.5 17.3#
70 0.0 7.9 11.9#



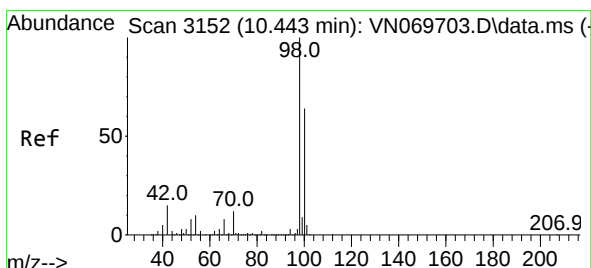
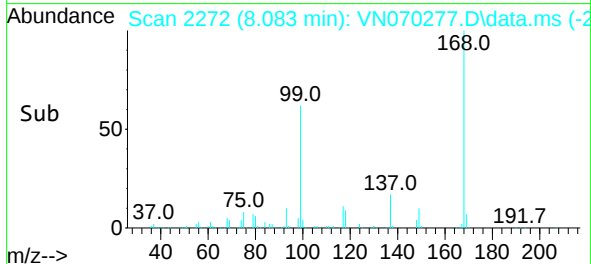
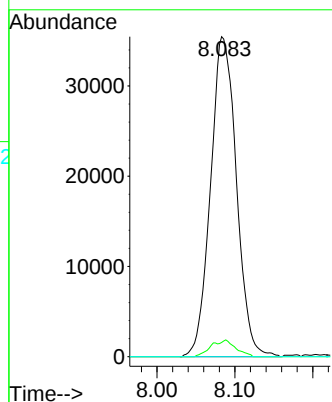


#38
Carbon Tetrachloride
Concen: 6.509 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.123 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Instrument :
MSVOA_N
ClientSampleId :

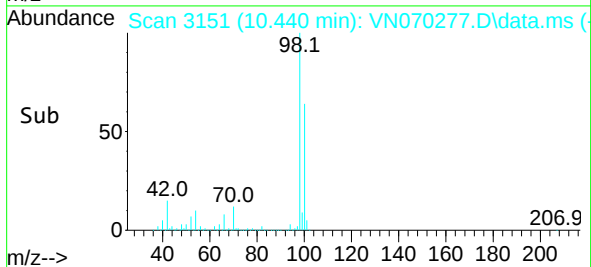
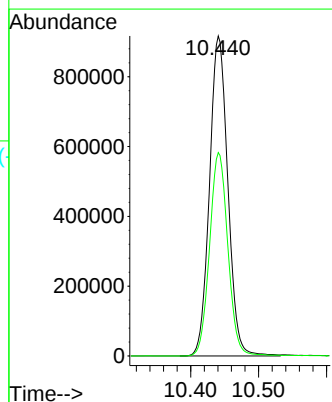
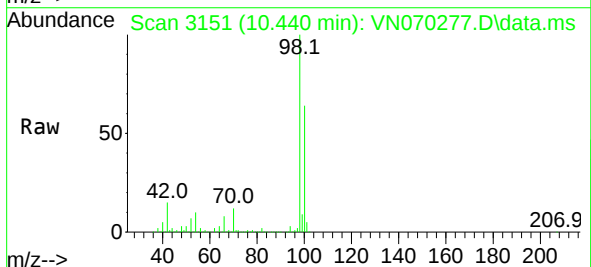


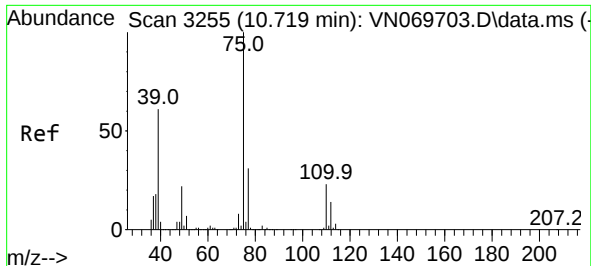
Tgt Ion:117 Resp: 81774
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.764 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.002 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

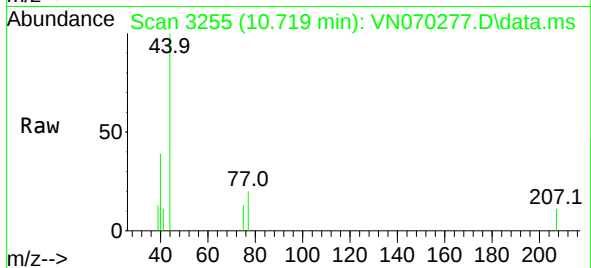
Tgt Ion: 98 Resp: 1718349
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6



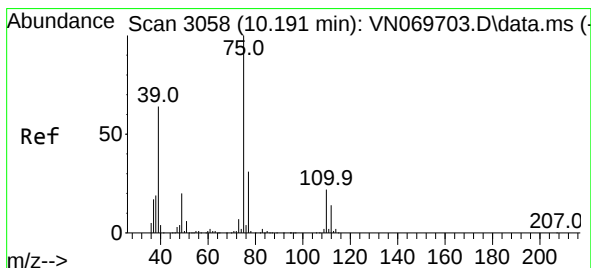
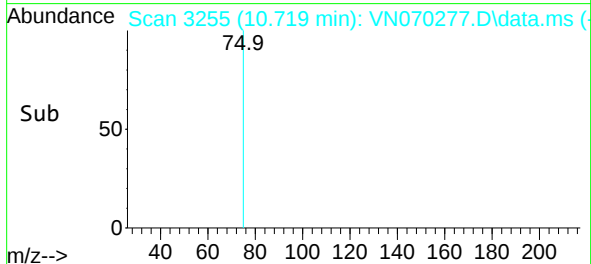
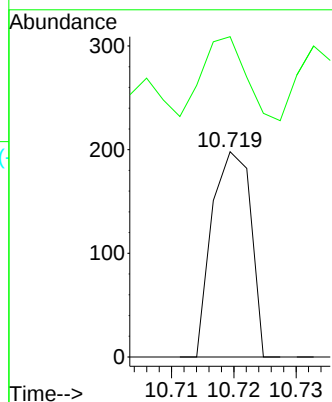


#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Instrument :
MSVOA_N
ClientSampleId :

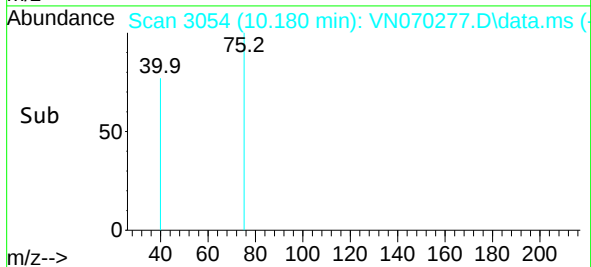
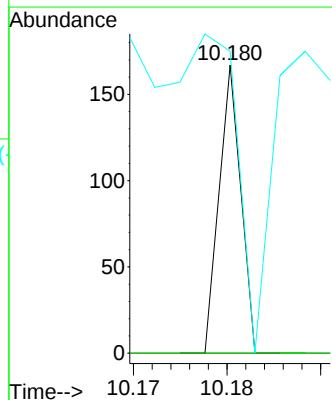
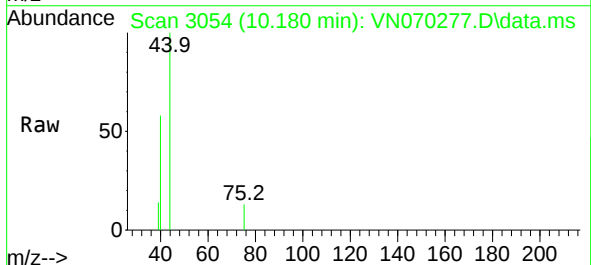


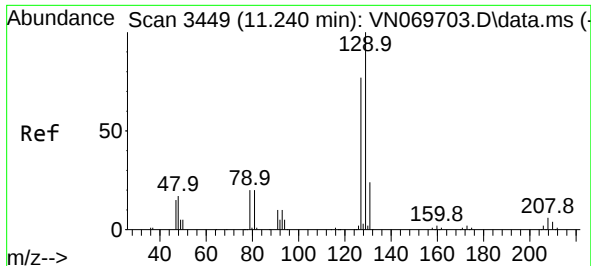
Tgt Ion: 75 Resp: 85
Ion Ratio Lower Upper
75 100
77 40.9 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.180 min Scan# 3054
Delta R.T. -0.011 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 10.8 42.5 63.7#

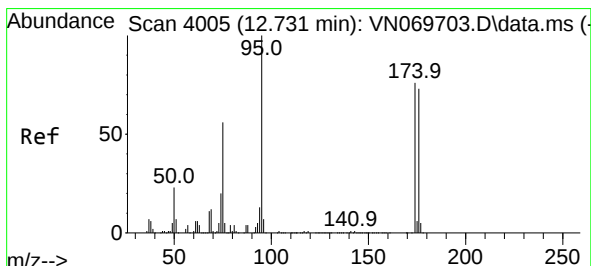
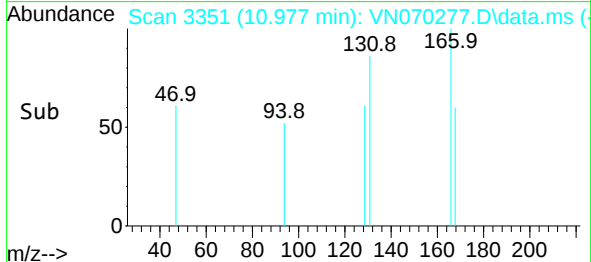
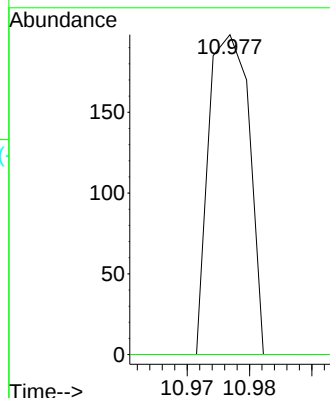
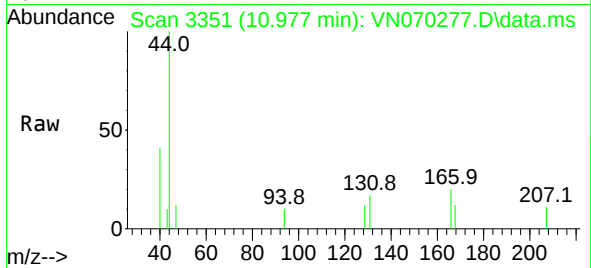




#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.263 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

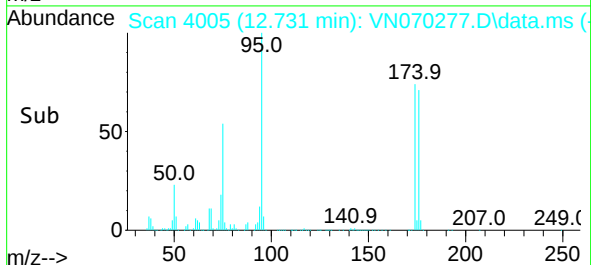
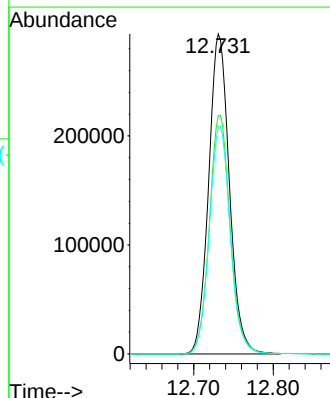
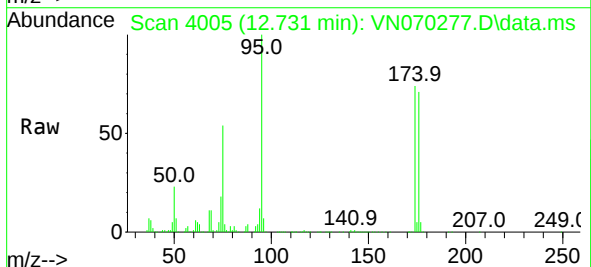
Instrument :
MSVOA_N
ClientSampleId :

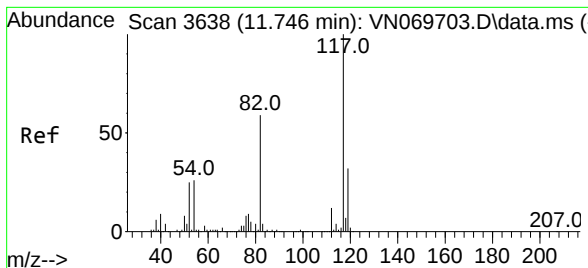
Tgt Ion:129 Resp: 89
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.315 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Tgt Ion: 95 Resp: 531169
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 72.0 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 30

Delta R.T. -0.002 min

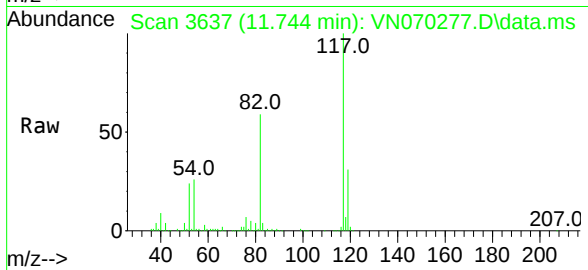
Lab File: VN070277.D

Acq: 21 Dec 2021 19:16

Instrument :

MSVOA_N

ClientSampleId :



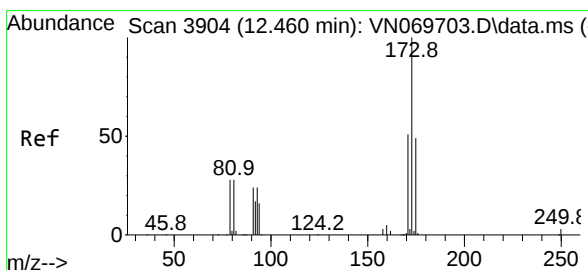
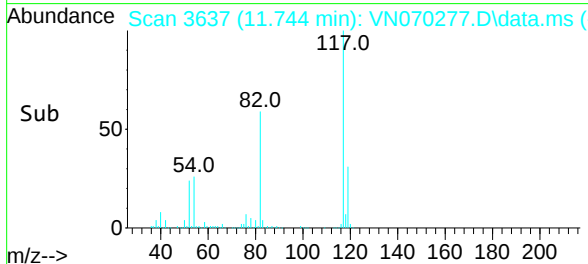
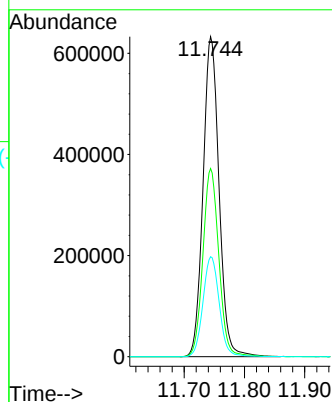
Tgt Ion:117 Resp: 1165651

Ion Ratio Lower Upper

117 100

82 58.8 42.4 63.6

119 31.2 25.4 38.2



#71

Bromoform

Concen: 2.947 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. 0.274 min

Lab File: VN070277.D

Acq: 21 Dec 2021 19:16

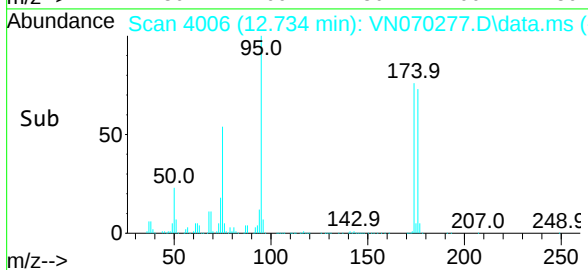
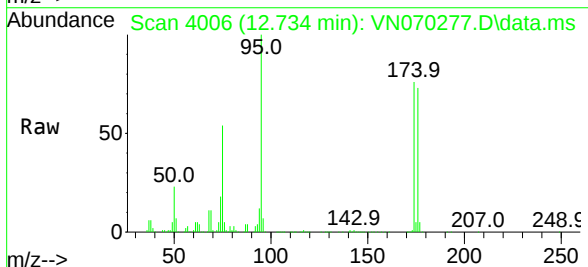
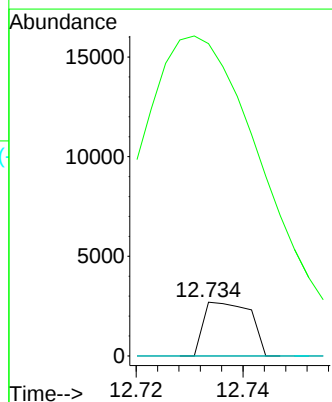
Tgt Ion:173 Resp: 1627

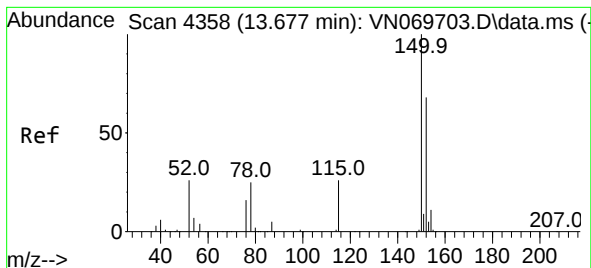
Ion Ratio Lower Upper

173 100

175 1661.8 24.2 72.6#

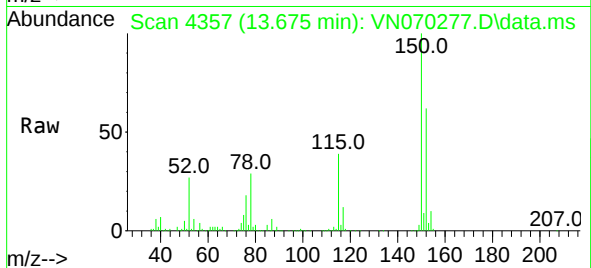
254 0.0 0.0 0.0



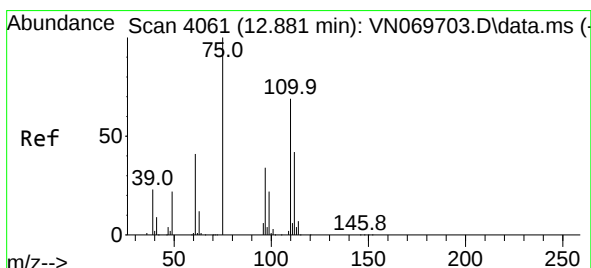
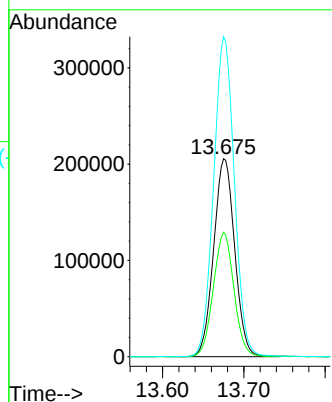
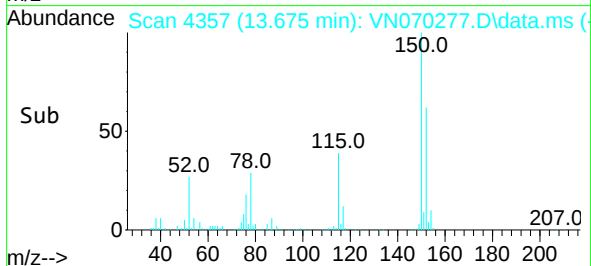


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Instrument :
MSVOA_N
ClientSampleId :

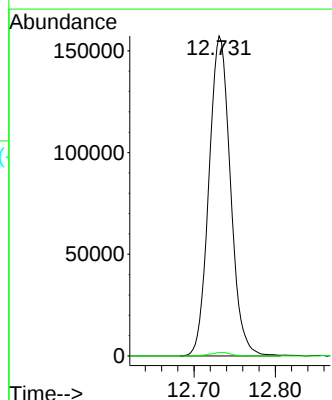
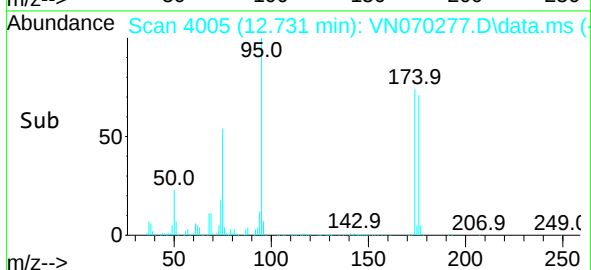
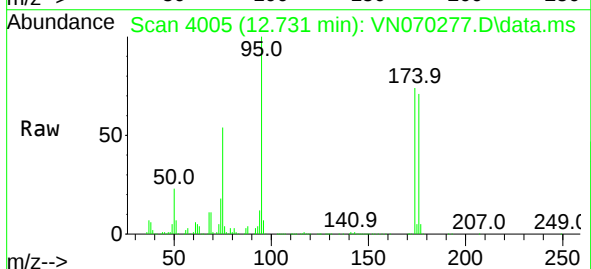


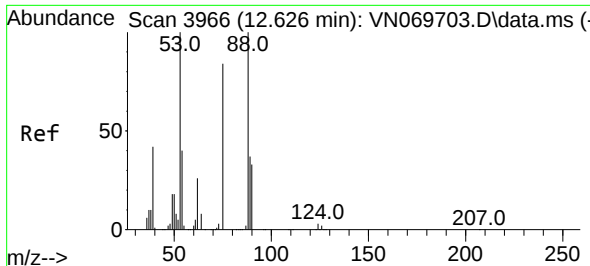
Tgt Ion:152 Resp: 370072
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 159.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 27.269 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Tgt Ion: 75 Resp: 289402
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

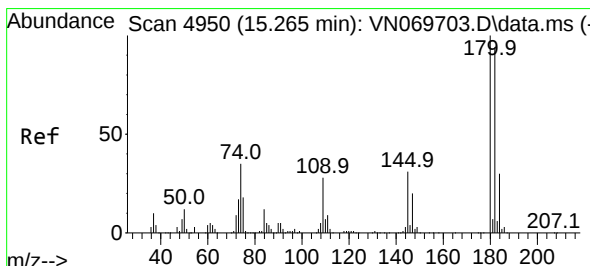
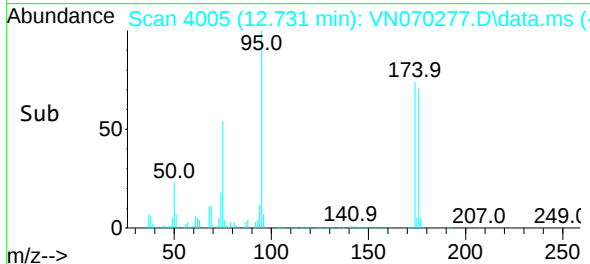
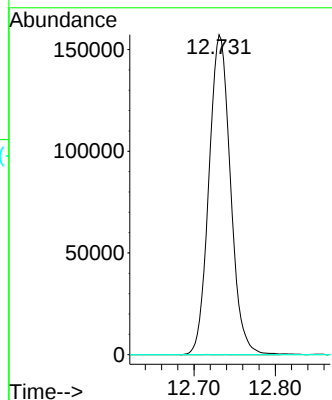
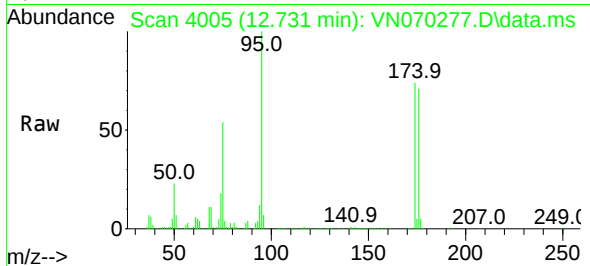




#81
trans-1,4-Dichloro-2-butene
Concen: 86.061 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

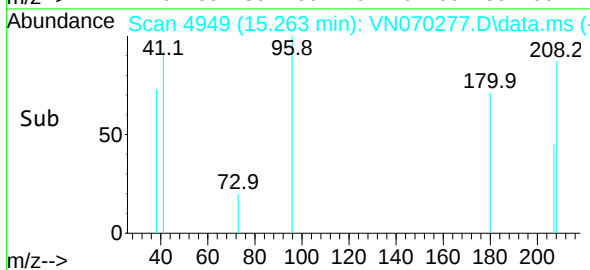
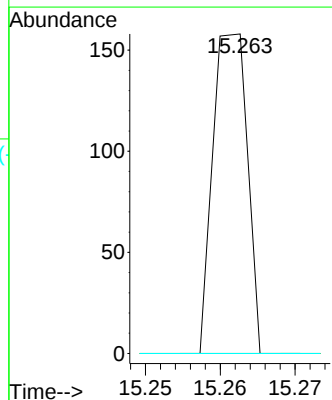
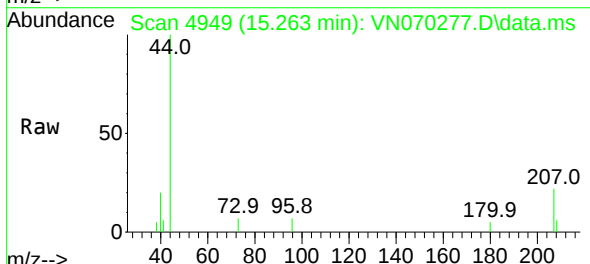
Instrument :
MSVOA_N
ClientSampleId :

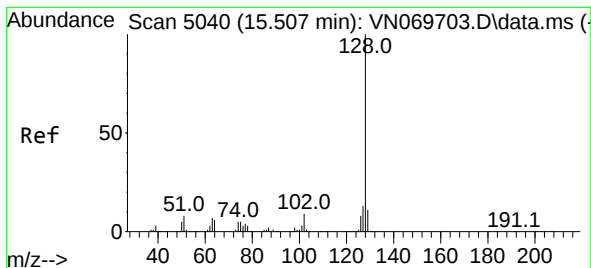
Tgt Ion: 75 Resp: 289402
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.886 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN070277.D
Acq: 21 Dec 2021 19:16

Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.147 ug/l

RT: 15.515 min Scan# 5043

Delta R.T. 0.008 min

Lab File: VN070277.D

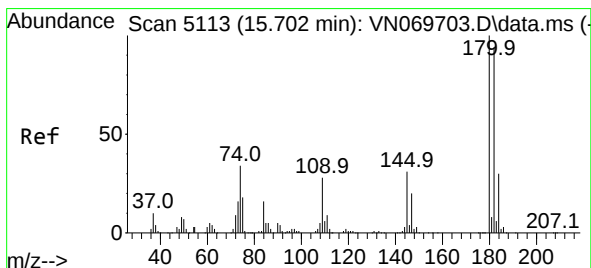
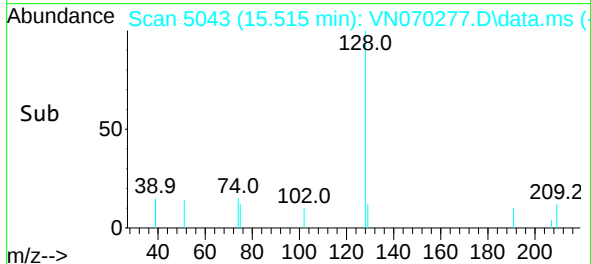
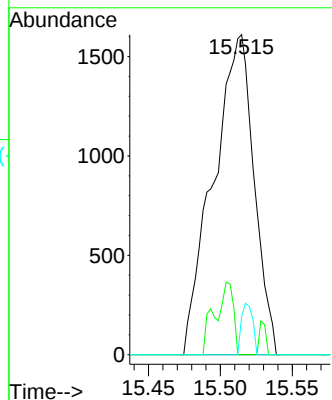
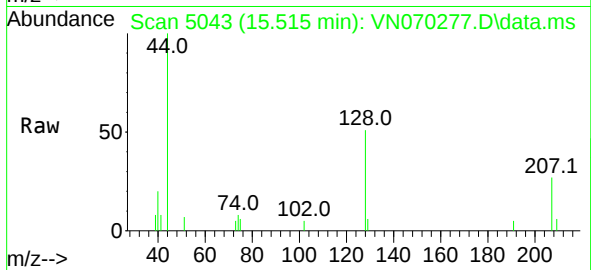
Acq: 21 Dec 2021 19:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	3179
Ion Ratio	Lower	Upper
128	100	
127	1.6	10.5 15.7#
129	4.4	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.445 ug/l

RT: 15.708 min Scan# 5115

Delta R.T. 0.006 min

Lab File: VN070277.D

Acq: 21 Dec 2021 19:16

Tgt Ion:180	Resp:	56
Ion Ratio	Lower	Upper
180	100	
182	96.4	47.4 142.2
145	0.0	15.0 45.1#

