

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070353.D
 Acq On : 29 Dec 2021 17:07
 Operator : JC/MD
 Sample : M5115-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:51:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

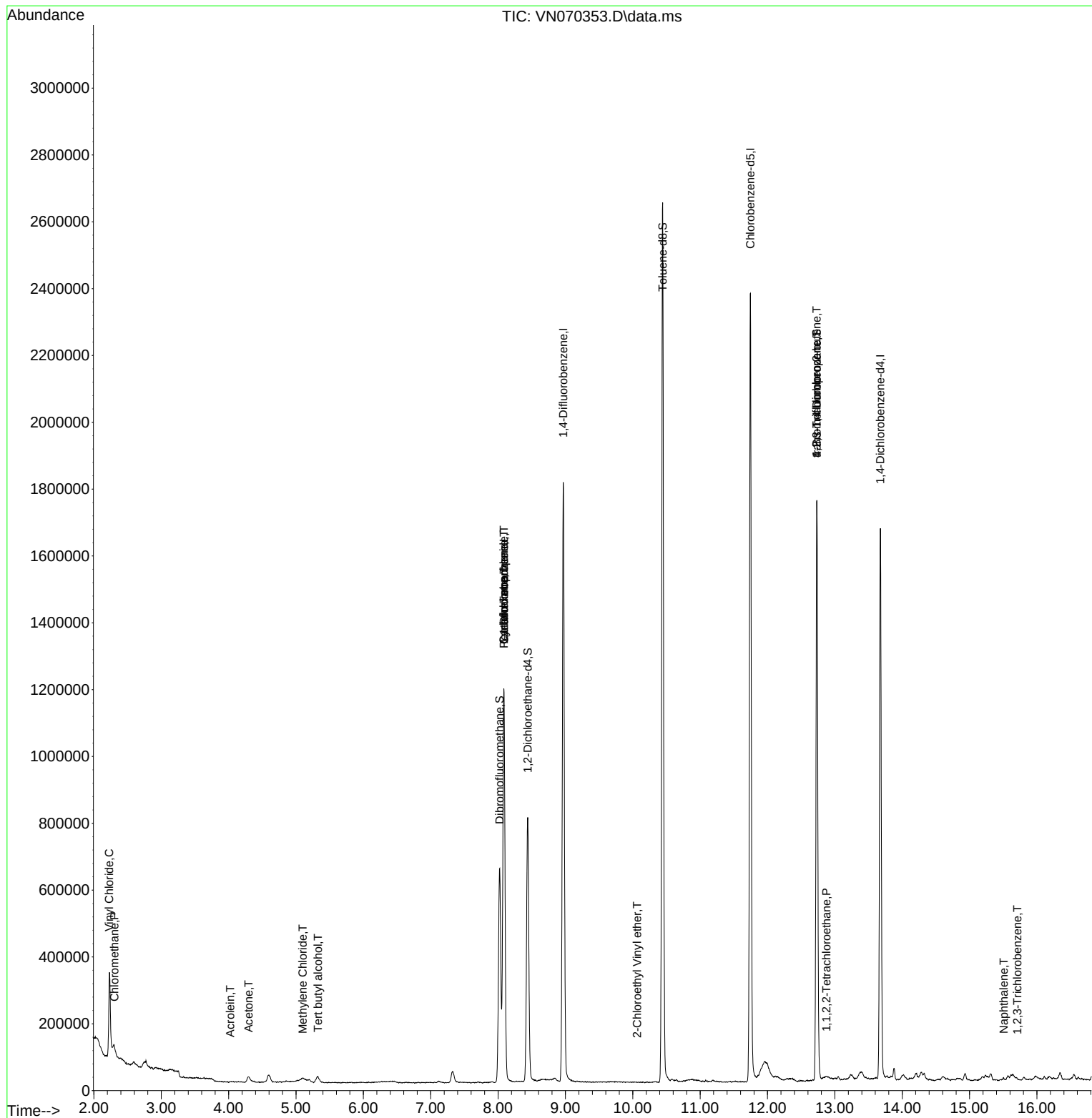
Internal Standards						
1) Pentafluorobenzene	8.088	168	892060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1521206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1351312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	450431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	670934	52.310	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.620%	
35) Dibromofluoromethane	8.024	113	475697	51.683	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.360%	
50) Toluene-d8	10.443	98	1807602	48.075	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.160%	
62) 4-Bromofluorobenzene	12.731	95	634764	46.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3835	0.279	ug/l	96
4) Vinyl Chloride	2.228	62	2542	0.203	ug/l #	1
11) Tert butyl alcohol	5.326	59	17002	7.961	ug/l #	72
13) Acrolein	4.025	56	371	0.214	ug/l #	1
16) Acetone	4.296	43	27935	3.355	ug/l	100
20) Methylene Chloride	5.098	84	4408	0.383	ug/l #	86
31) Cyclohexane	8.086	56	20600	1.018	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	73119	4.802	ug/l #	44
38) Carbon Tetrachloride	8.086	117	91279	6.278	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.065	63	270	18.566	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.873	83	51	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	337791	26.680	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	337791	91.624	ug/l #	5
95) Naphthalene	15.507	128	5702	2.065	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.711	180	1130	0.983	ug/l #	46

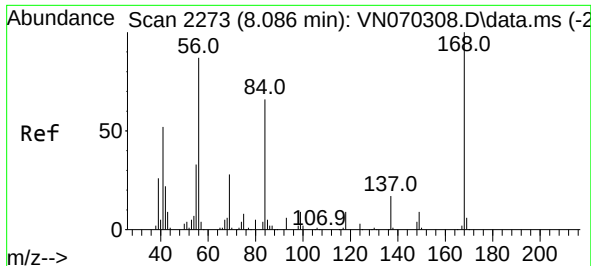
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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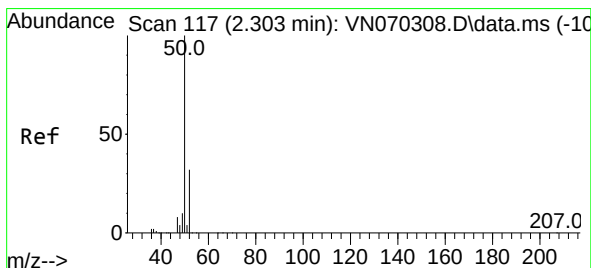
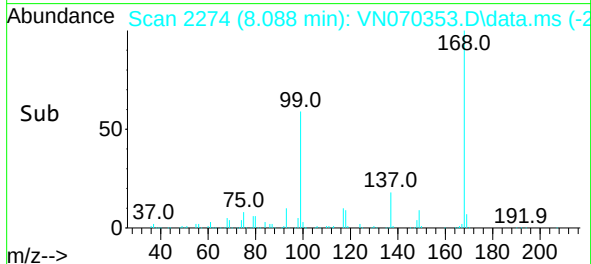
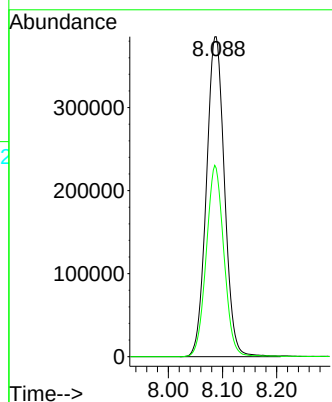
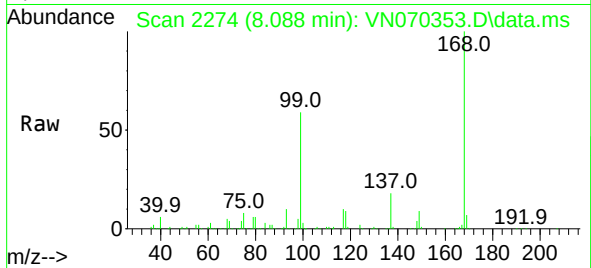




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

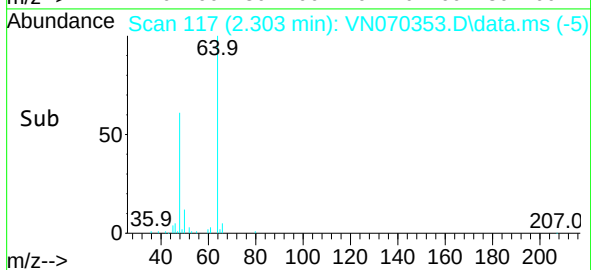
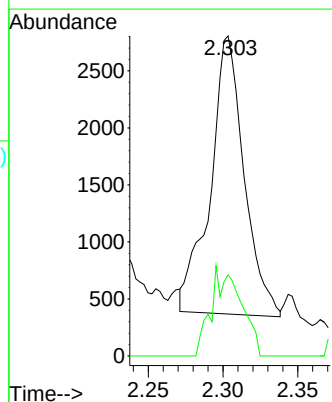
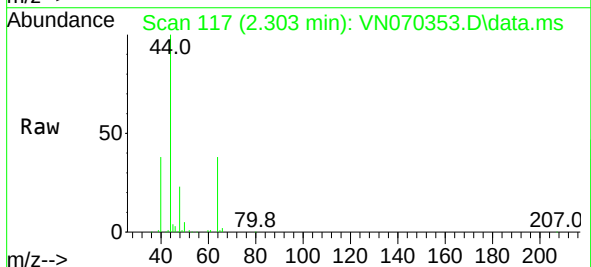
Instrument :
MSVOA_N
ClientSampleId :

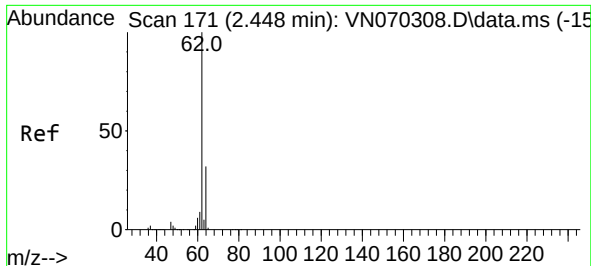
Tgt Ion:168 Resp: 892060
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#3
Chloromethane
Concen: 0.279 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

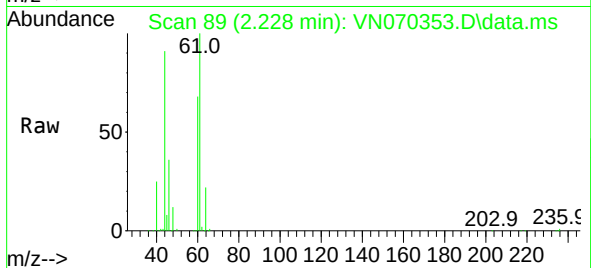
Tgt Ion: 50 Resp: 3835
Ion Ratio Lower Upper
50 100
52 29.4 25.4 38.0



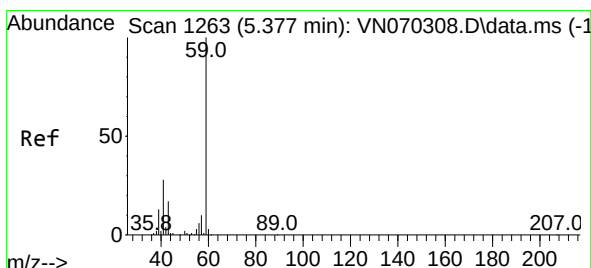
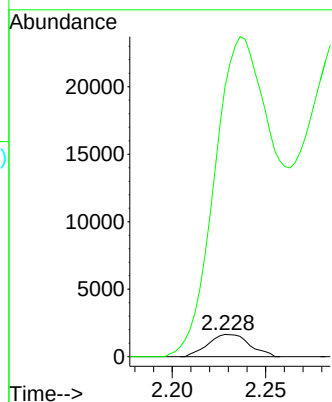
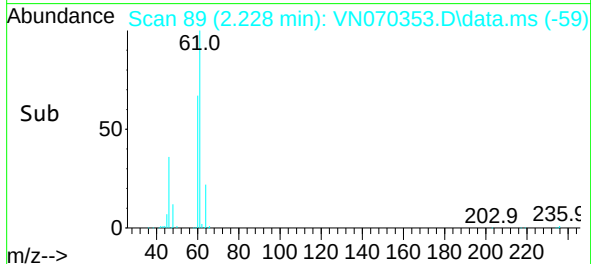


#4
 Vinyl Chloride
 Concen: 0.203 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.220 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

Instrument :
 MSVOA_N
 ClientSampleId :

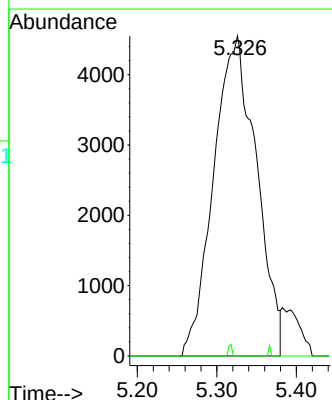
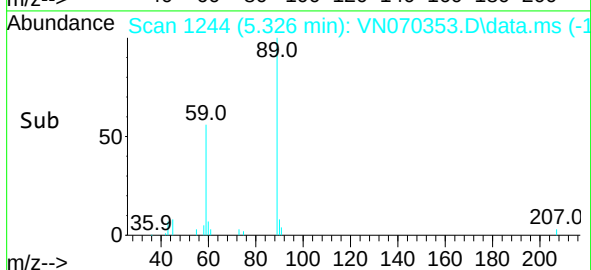
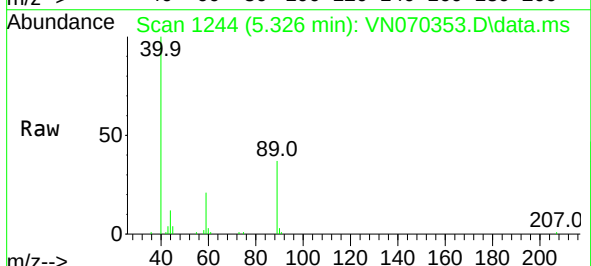


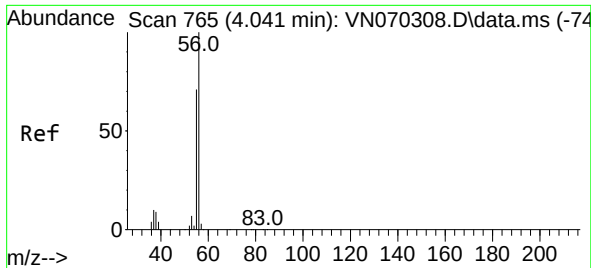
Tgt Ion: 62 Resp: 2542
 Ion Ratio Lower Upper
 62 100
 64 1173.7 25.8 38.6#



#11
 Tert butyl alcohol
 Concen: 7.961 ug/l
 RT: 5.326 min Scan# 1244
 Delta R.T. -0.051 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

Tgt Ion: 59 Resp: 17002
 Ion Ratio Lower Upper
 59 100
 57 0.3 8.7 13.1#

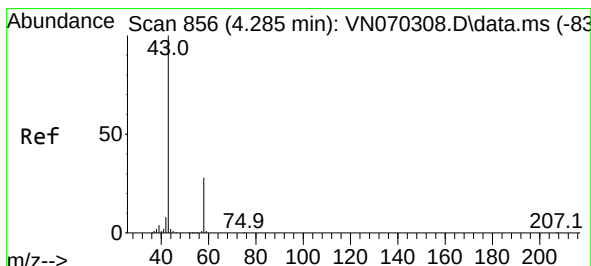
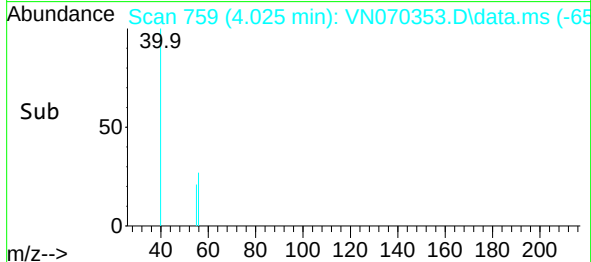
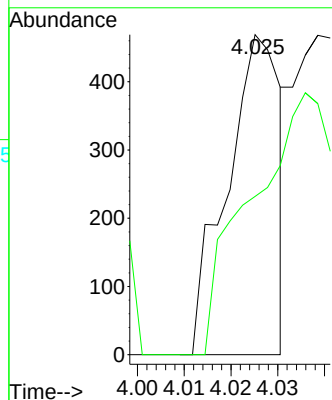
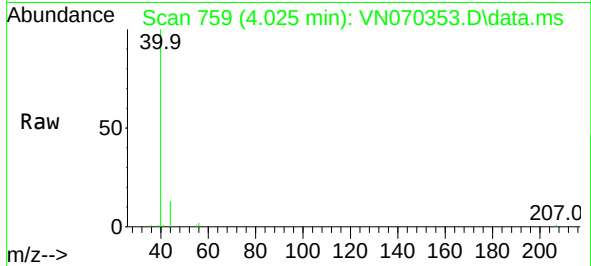




#13
Acrolein
Concen: 0.214 ug/l
RT: 4.025 min Scan# 765
Delta R.T. -0.016 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

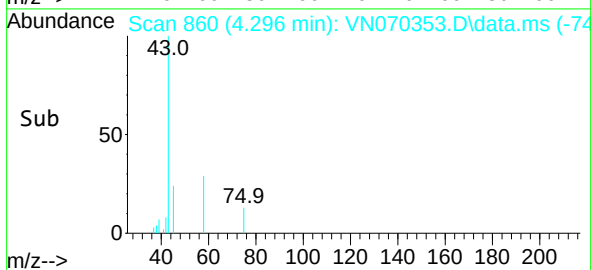
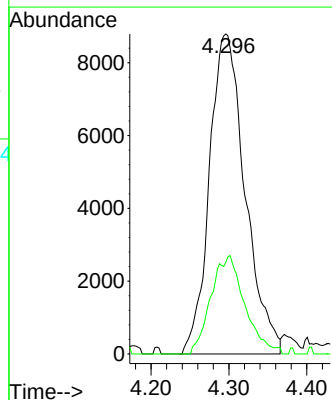
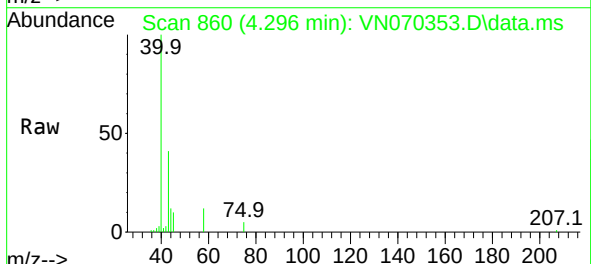
Instrument :
MSVOA_N
ClientSampleId :

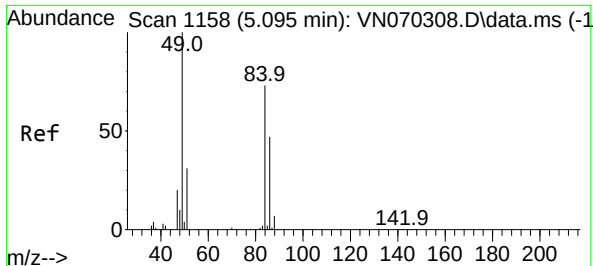
Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 162.0 56.6 85.0#



#16
Acetone
Concen: 3.355 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

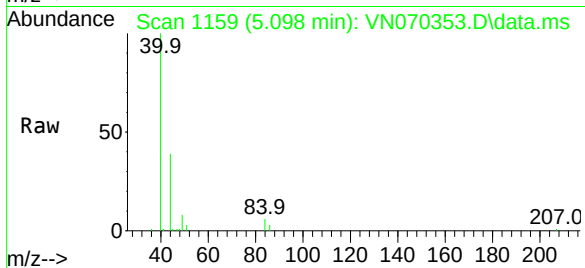
Tgt Ion: 43 Resp: 27935
Ion Ratio Lower Upper
43 100
58 28.7 23.1 34.7



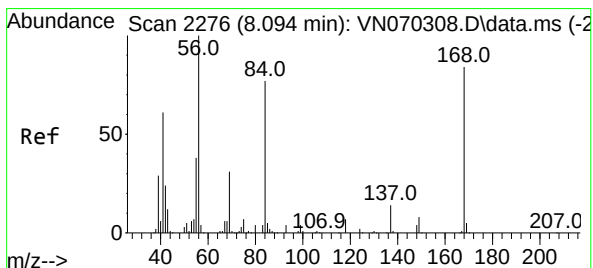
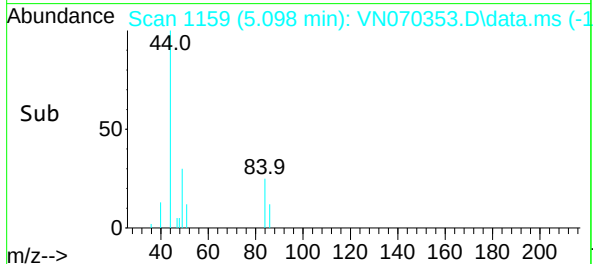
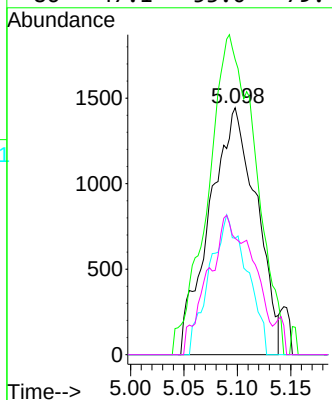


#20
Methylene Chloride
Concen: 0.383 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

Instrument :
MSVOA_N
ClientSampleId :

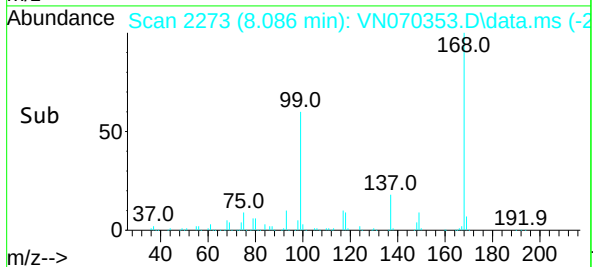
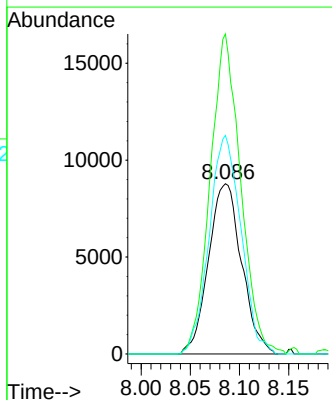
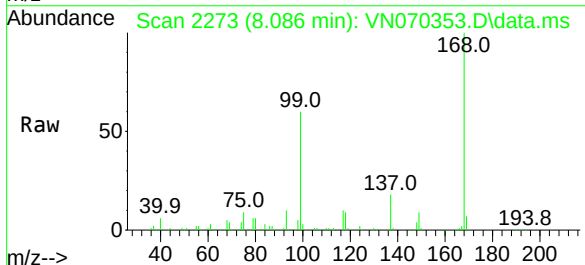


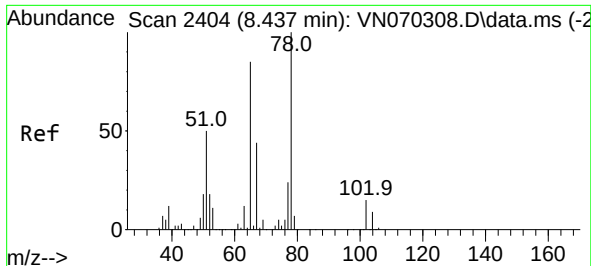
Tgt Ion: 84 Resp: 4408
Ion Ratio Lower Upper
84 100
49 108.7 93.5 140.3
51 47.2 29.4 44.2#
86 47.1 53.0 79.4#



#31
Cyclohexane
Concen: 1.018 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

Tgt Ion: 56 Resp: 20600
Ion Ratio Lower Upper
56 100
69 187.9 27.1 40.7#
84 128.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.310 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070353.D

Acq: 29 Dec 2021 17:07

Instrument :

MSVOA_N

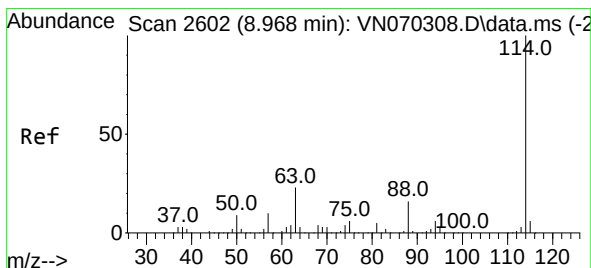
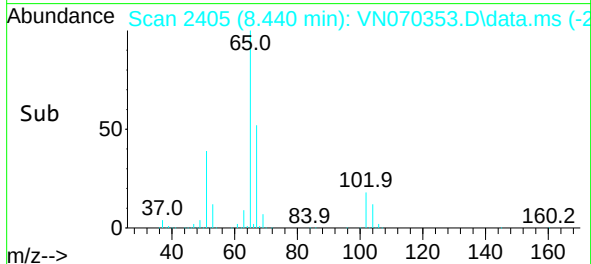
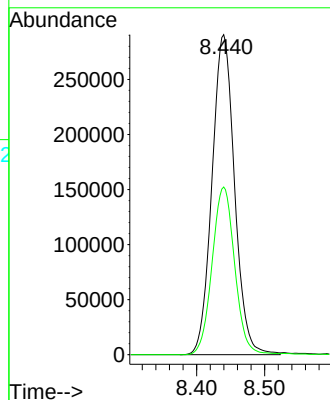
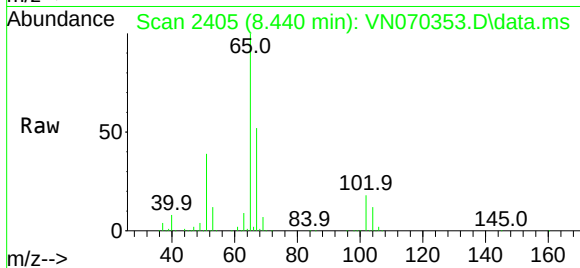
ClientSampleId :

Tgt Ion: 65 Resp: 670934

Ion Ratio Lower Upper

65 100

67 52.4 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: VN070353.D

Acq: 29 Dec 2021 17:07

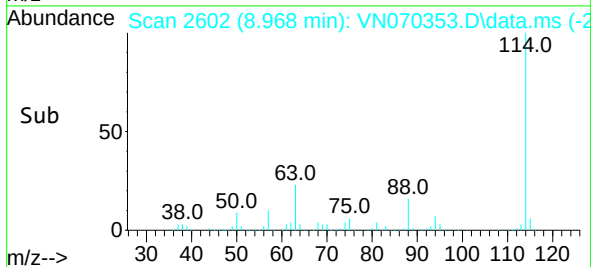
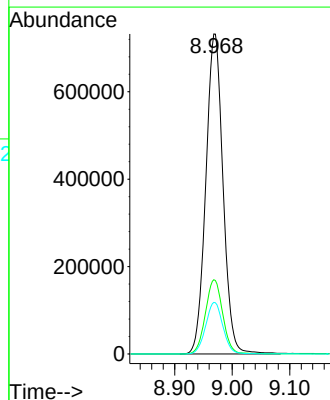
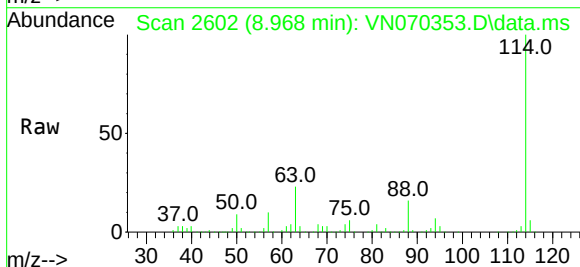
Tgt Ion: 114 Resp: 1521206

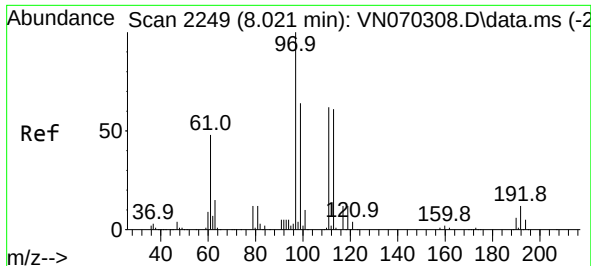
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

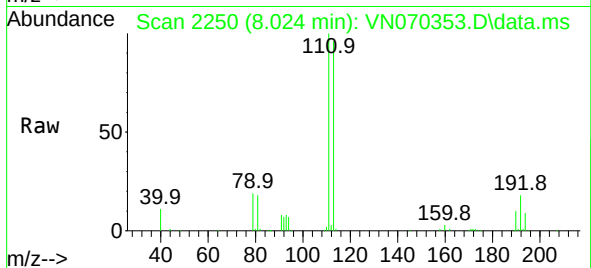
88 16.1 0.0 27.4



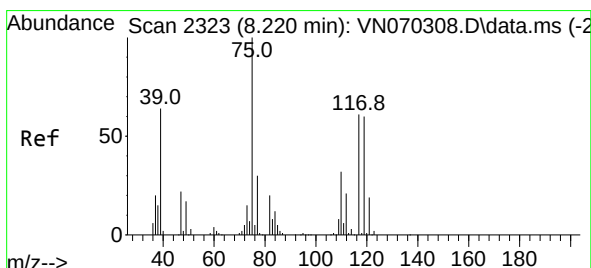
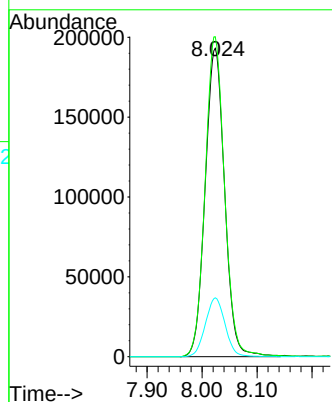
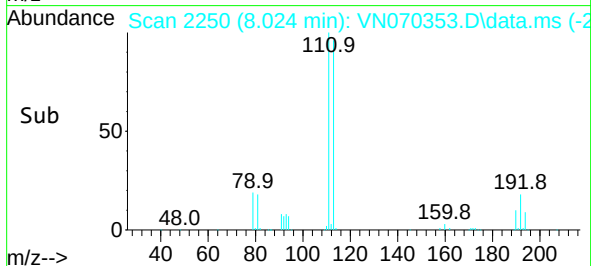


#35
Dibromofluoromethane
Concen: 51.683 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

Instrument :
MSVOA_N
ClientSampleId :

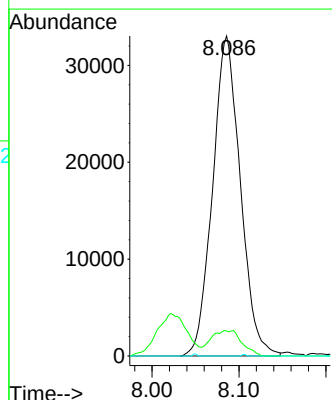
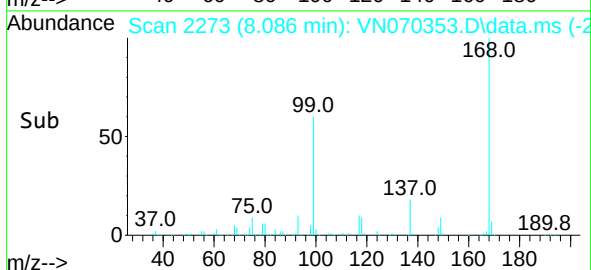
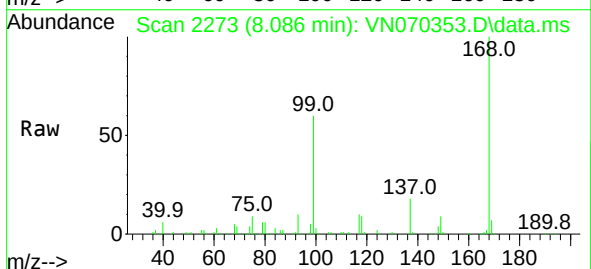


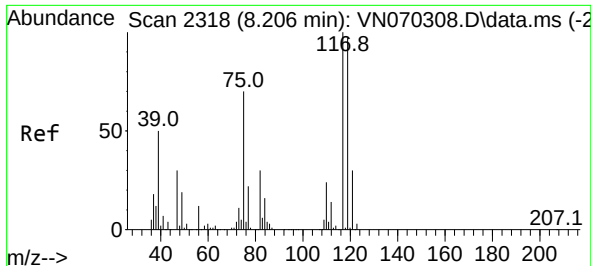
Tgt Ion:113 Resp: 475697
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

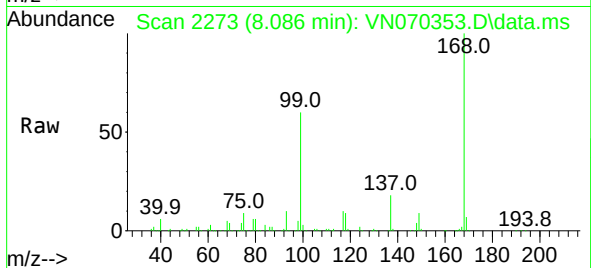
Tgt Ion: 75 Resp: 73119
Ion Ratio Lower Upper
75 100
110 3.0 18.4 55.2#
77 0.0 24.4 36.6#



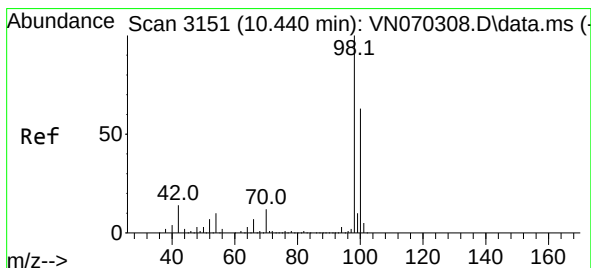
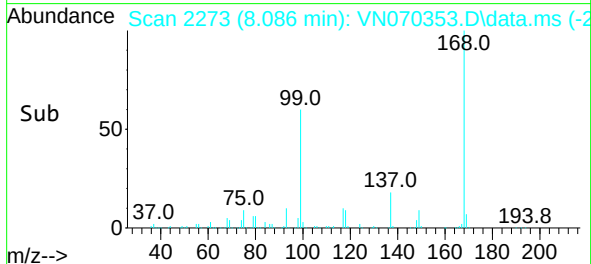
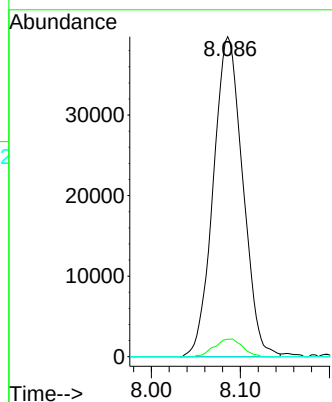


#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

Instrument :
MSVOA_N
ClientSampleId :

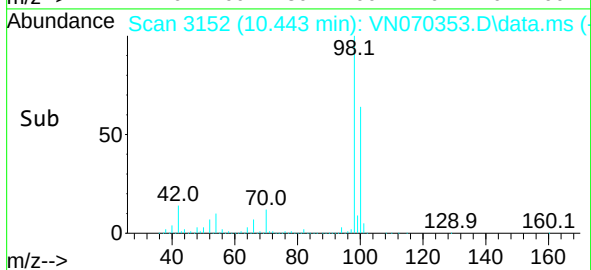
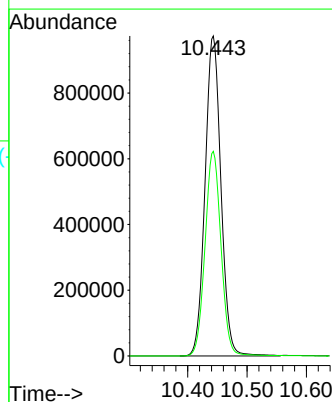
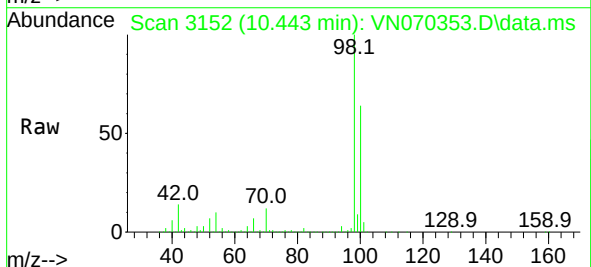


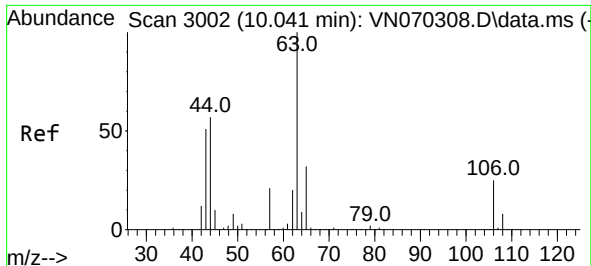
Tgt Ion:117 Resp: 91279
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.075 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

Tgt Ion: 98 Resp: 1807602
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6

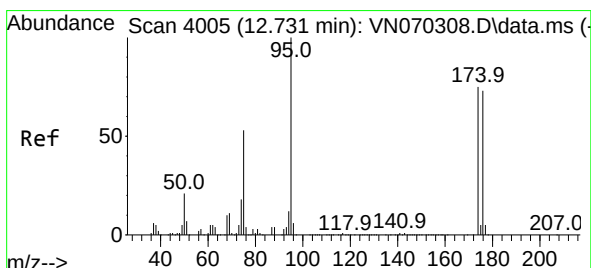
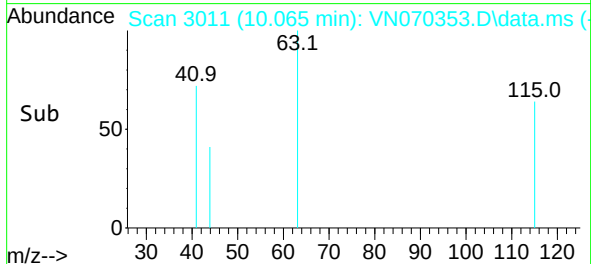
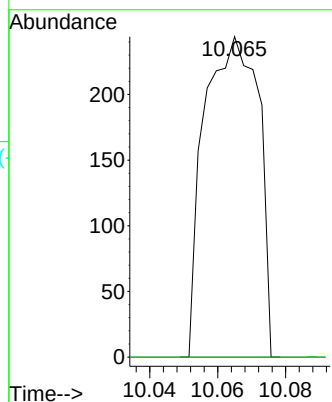
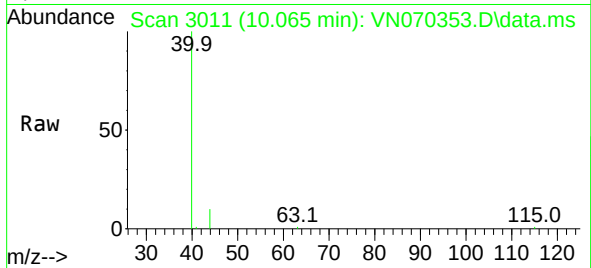




#58
 2-Chloroethyl Vinyl ether
 Concen: 18.566 ug/l
 RT: 10.065 min Scan# 3011
 Delta R.T. 0.024 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

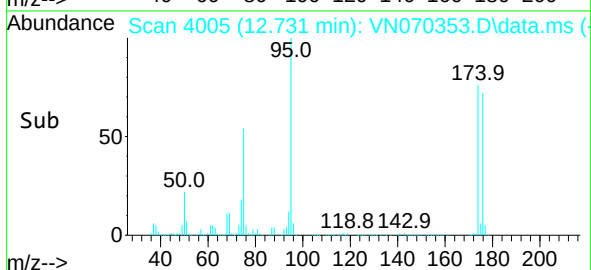
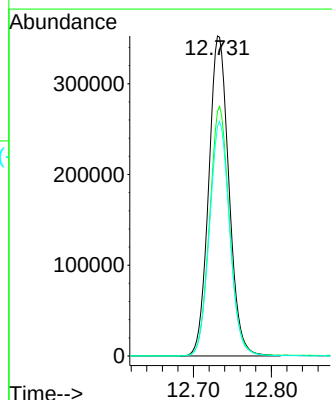
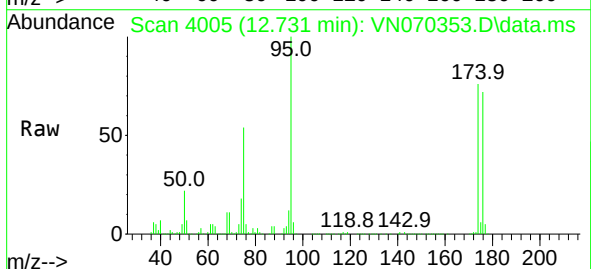
Instrument :
 MSVOA_N
 ClientSampleId :

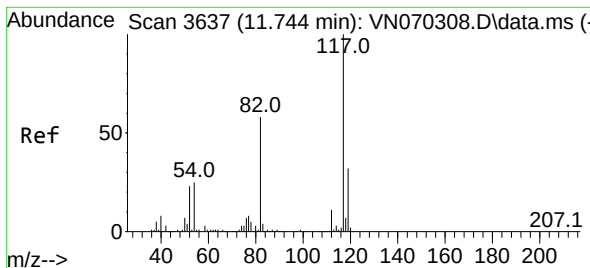
Tgt Ion: 63 Resp: 270
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 46.742 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.000 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

Tgt Ion: 95 Resp: 634764
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 187.2
 176 73.4 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 3

Delta R.T. 0.003 min

Lab File: VN070353.D

Acq: 29 Dec 2021 17:07

Instrument :

MSVOA_N

ClientSampleId :

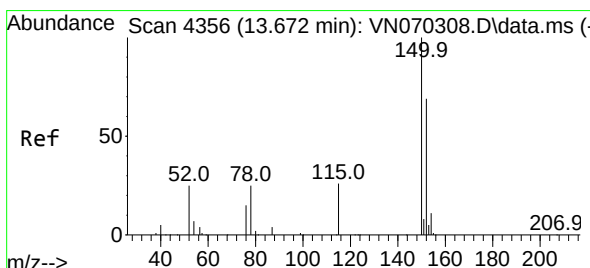
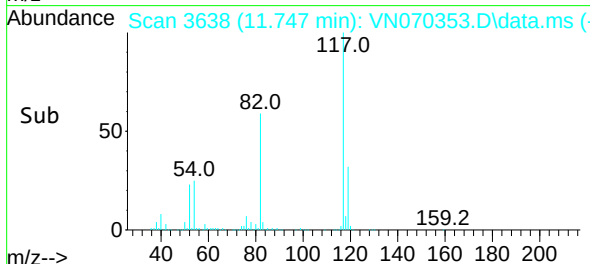
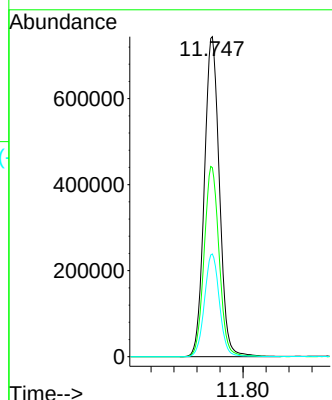
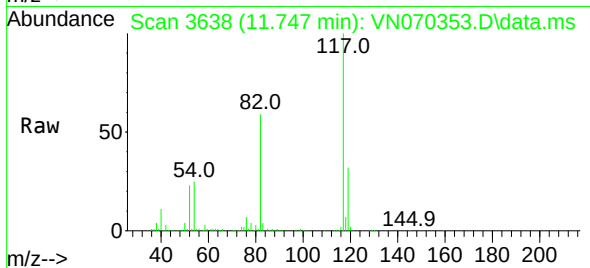
Tgt Ion:117 Resp: 1351312

Ion Ratio Lower Upper

117 100

82 59.1 42.4 63.6

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070353.D

Acq: 29 Dec 2021 17:07

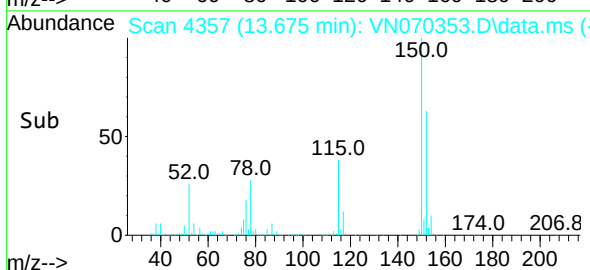
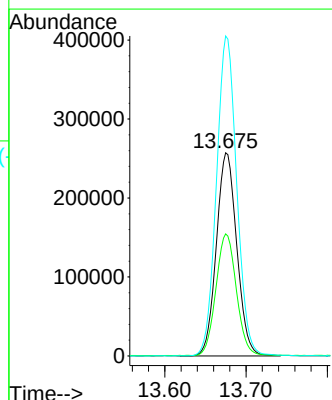
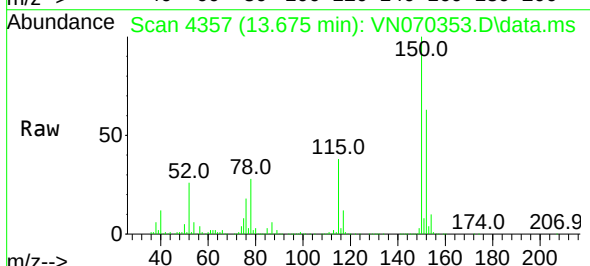
Tgt Ion:152 Resp: 450431

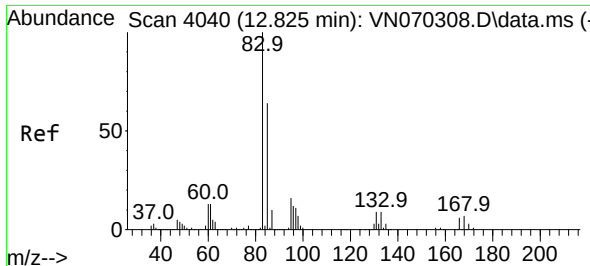
Ion Ratio Lower Upper

152 100

115 59.5 27.5 82.5

150 155.9 0.0 344.4

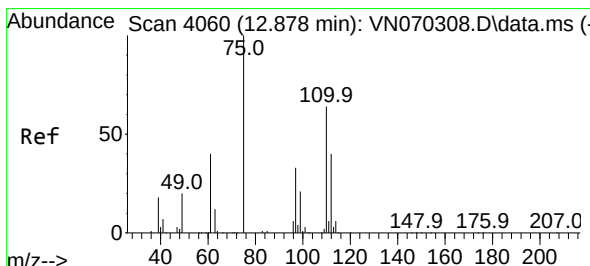
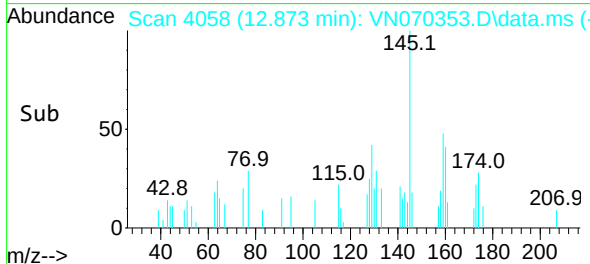
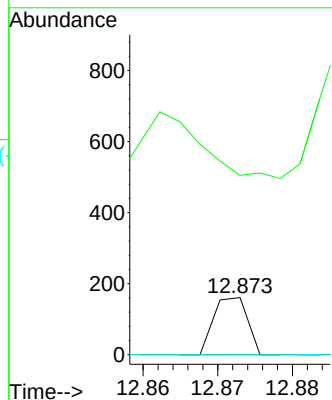
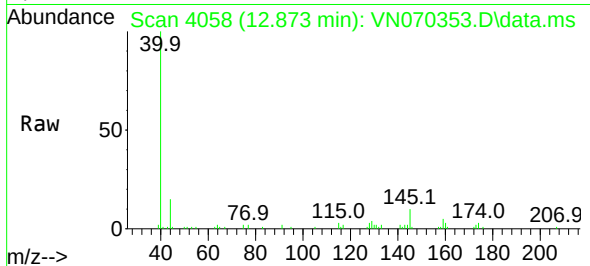




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.450 ug/l
 RT: 12.873 min Scan# 4058
 Delta R.T. 0.048 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

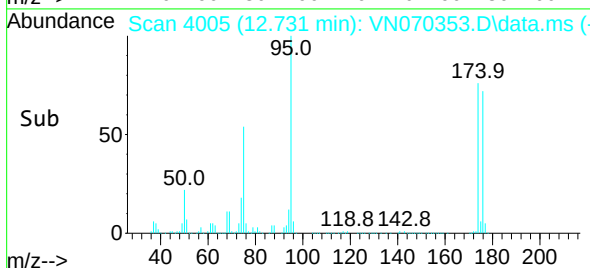
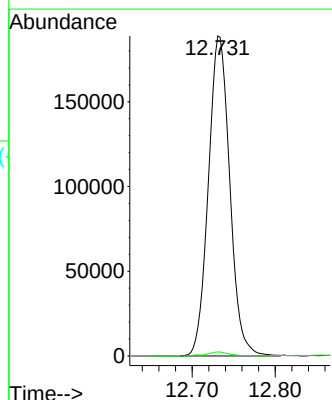
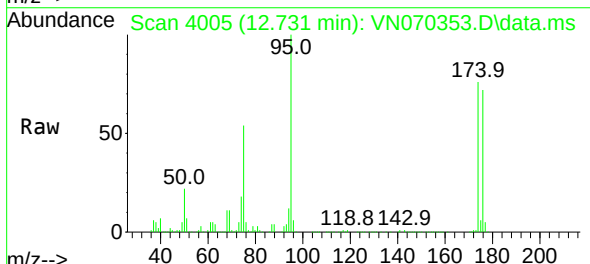
Instrument :
 MSVOA_N
 ClientSampleId :

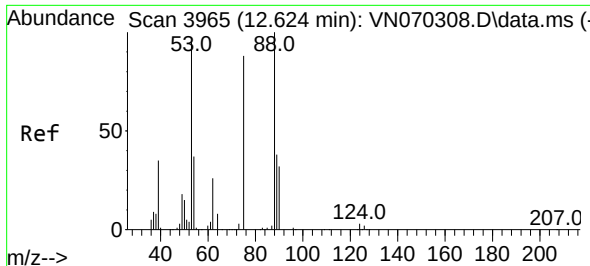
Tgt Ion: 83 Resp: 51
 Ion Ratio Lower Upper
 83 100
 131 1035.3 5.5 16.5#
 85 0.0 32.4 97.2#



#76
 1,2,3-Trichloropropane
 Concen: 26.680 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

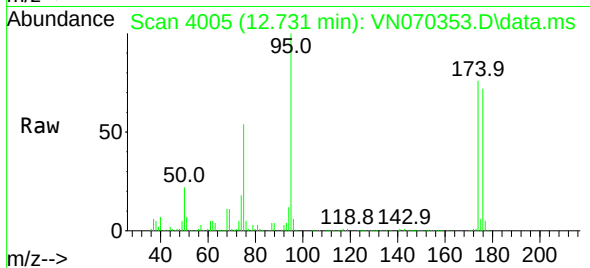
Tgt Ion: 75 Resp: 337791
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



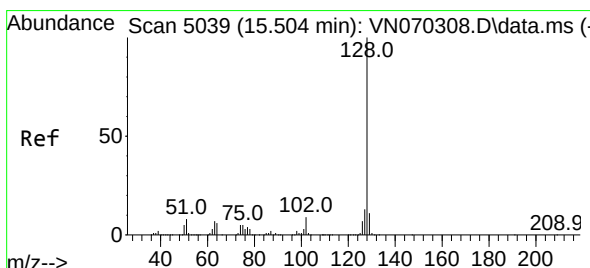
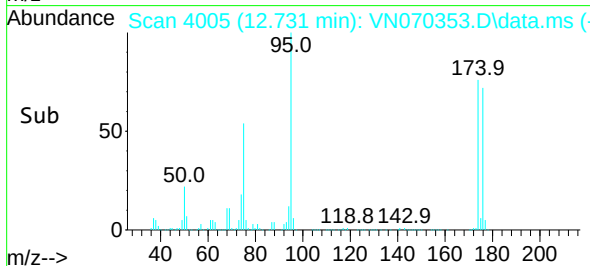
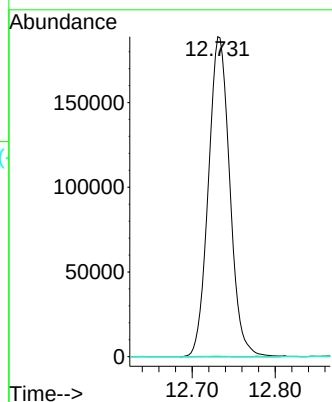


#81
trans-1,4-Dichloro-2-butene
Concen: 91.624 ug/l
RT: 12.731 min Scan# 40
Delta R.T. 0.107 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

Instrument :
MSVOA_N
ClientSampleId :

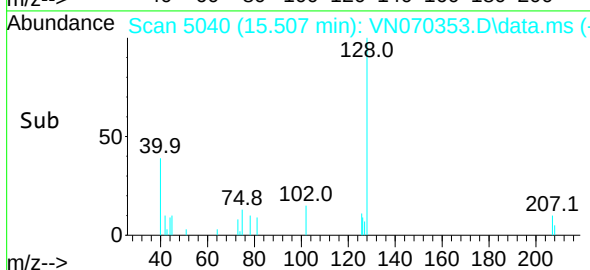
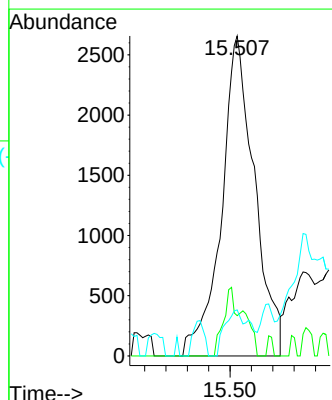
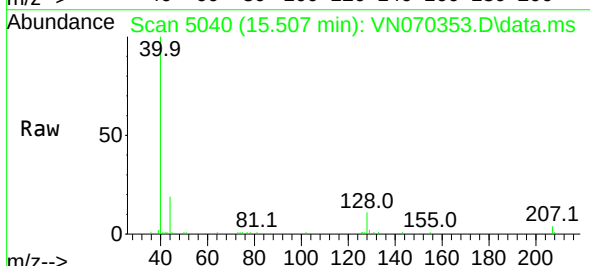


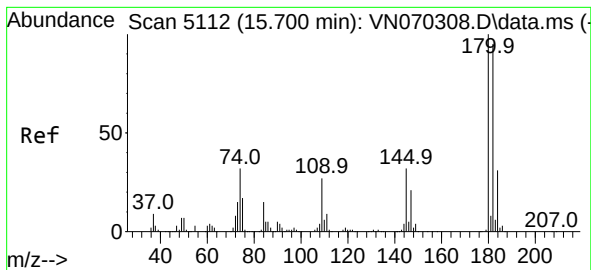
Tgt Ion: 75 Resp: 337791
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.065 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070353.D
Acq: 29 Dec 2021 17:07

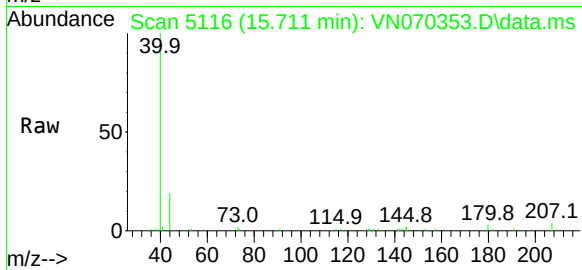
Tgt Ion: 128 Resp: 5702
Ion Ratio Lower Upper
128 100
127 7.9 10.5 15.7#
129 11.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.983 ug/l
 RT: 15.711 min Scan# 5116
 Delta R.T. 0.011 min
 Lab File: VN070353.D
 Acq: 29 Dec 2021 17:07

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1130
 Ion Ratio Lower Upper
 180 100
 182 38.8 47.4 142.2#
 145 52.7 15.0 45.1#

