

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072292.D
 Acq On : 02 May 2022 13:35
 Operator : JC\MD
 Sample : N2617-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 03:11:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

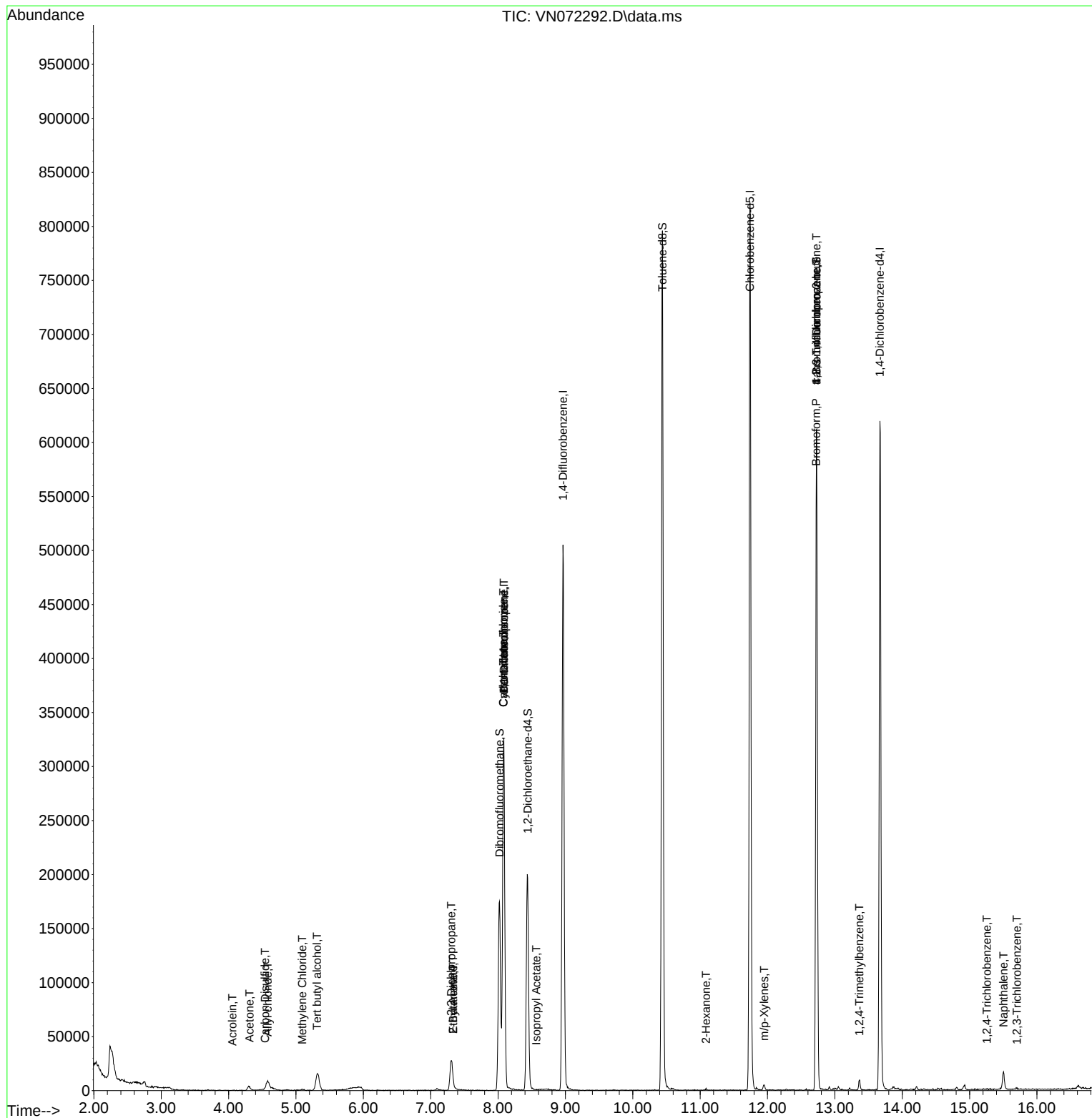
Internal Standards						
1) Pentafluorobenzene	8.086	168	228464	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	421100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	453372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	164027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	185021	52.751	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	=	105.500%	
35) Dibromofluoromethane	8.022	113	128545	47.693	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	=	95.380%	
50) Toluene-d8	10.439	98	540608	51.045	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	=	102.100%	
62) 4-Bromofluorobenzene	12.727	95	216054	61.461	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	=	122.920%	
Target Compounds						
						Qvalue
3) Chloromethane	2.305	50	1069	Below Cal	#	43
5) Bromomethane	2.857	94	209	Below Cal	#	2
6) Chloroethane	3.063	64	266	Below Cal	#	42
11) Tert butyl alcohol	5.310	59	16749	29.058	ug/l	# 73
13) Acrolein	4.057	56	127	0.219	ug/l	# 78
14) Allyl chloride	4.581	41	1090	0.241	ug/l	# 52
16) Acetone	4.310	43	6280	4.153	ug/l	# 68
17) Carbon Disulfide	4.540	76	305	0.422	ug/l	# 75
20) Methylene Chloride	5.093	84	682	0.235	ug/l	# 60
25) 2-Butanone	7.334	43	1156	0.480	ug/l	# 45
26) 2,2-Dichloropropane	7.304	77	1982	0.486	ug/l	# 53
31) Cyclohexane	8.081	56	5384	1.149	ug/l	# 34
36) 1,1-Dichloropropene	8.086	75	19562	4.986	ug/l	# 51
37) Ethyl Acetate	7.334	43	1156	0.222	ug/l	# 67
38) Carbon Tetrachloride	8.081	117	25724	6.122	ug/l	# 16
43) Isopropyl Acetate	8.569	43	85	0.811	ug/l	# 53
59) 2-Hexanone	11.086	43	1058	0.305	ug/l	# 60
68) m/p-Xylenes	11.951	106	1865	0.314	ug/l	95
71) Bromoform	12.721	173	551	0.215	ug/l	# 28
75) 1,1,2,2-Tetrachloroethane	12.733	83	152	Below Cal	#	9
76) 1,2,3-Trichloropropane	12.727	75	125031	33.851	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	125031	88.137	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.363	105	6288	0.539	ug/l	95
93) 1,2,4-Trichlorobenzene	15.257	180	411	2.575	ug/l	87
95) Naphthalene	15.504	128	19738	6.423	ug/l	96
96) 1,2,3-Trichlorobenzene	15.704	180	598	2.898	ug/l	# 82

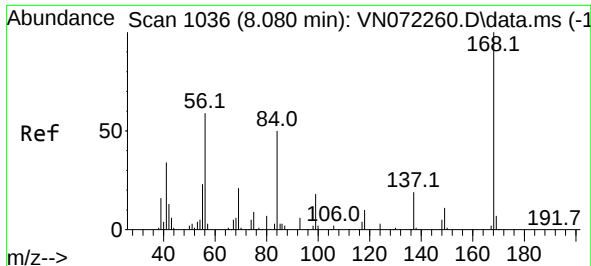
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration

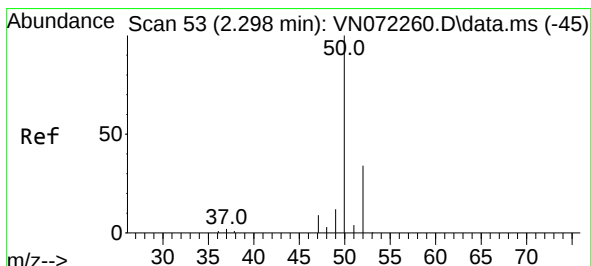
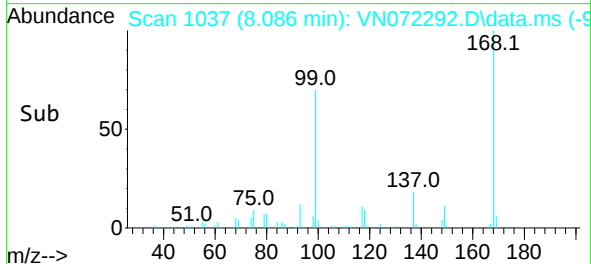
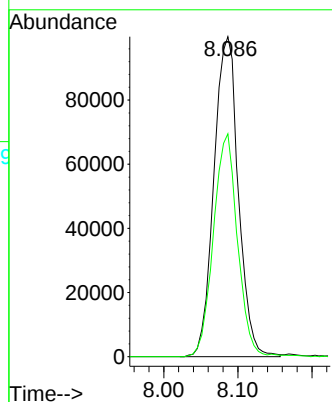
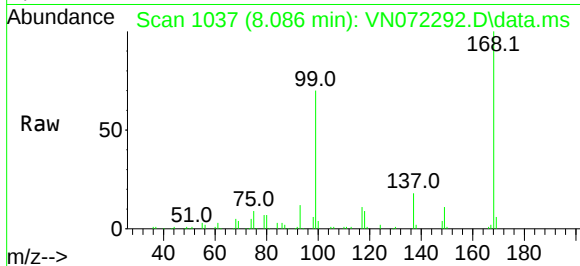




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

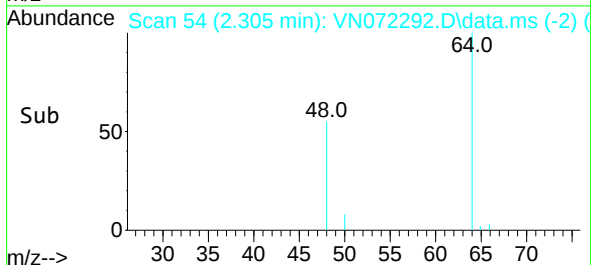
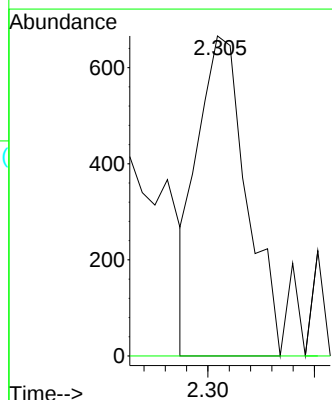
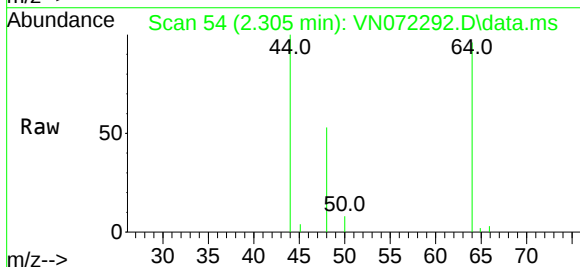
Instrument :
MSVOA_N
ClientSampleId :

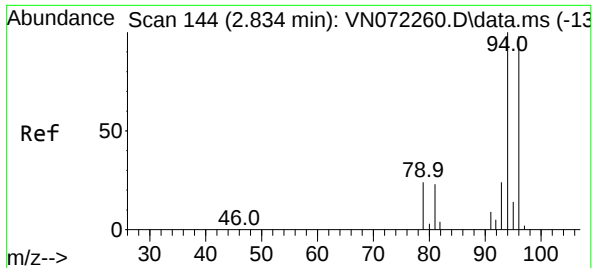
Tgt Ion:168 Resp: 228464
Ion Ratio Lower Upper
168 100
99 69.6 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 50 Resp: 1069
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

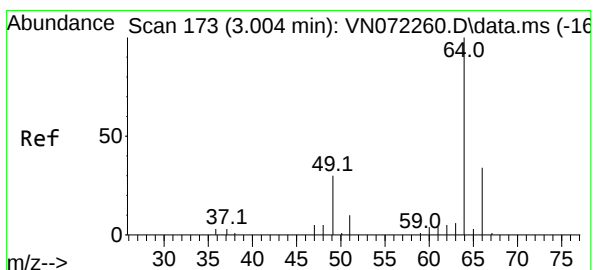
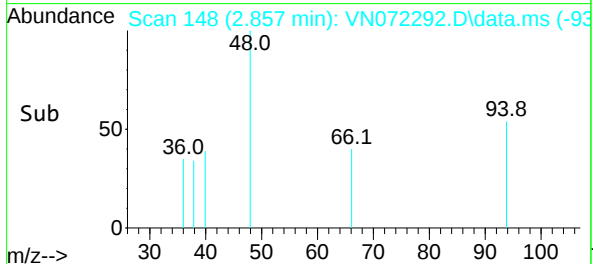
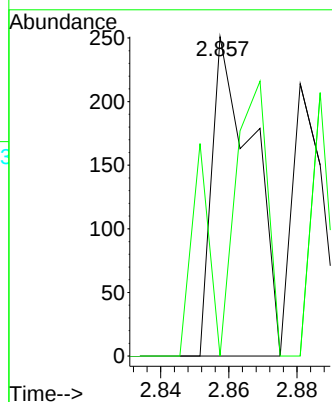
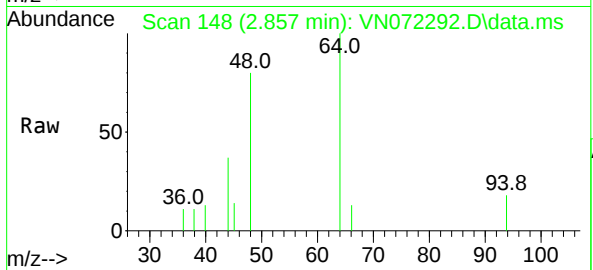




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

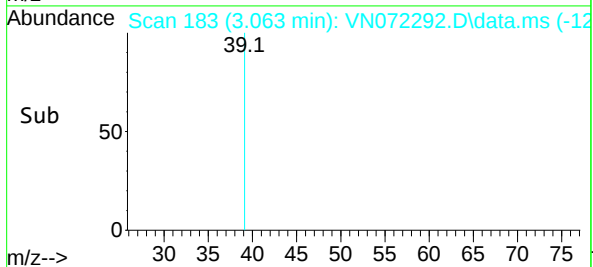
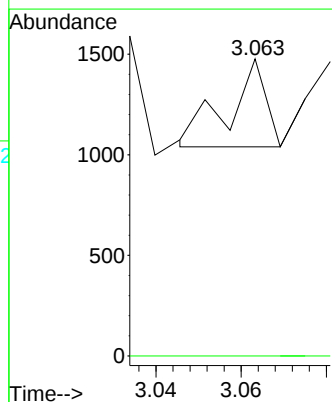
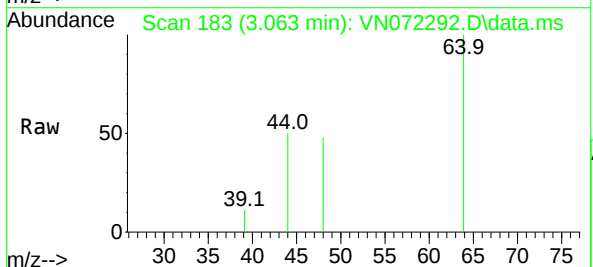
Instrument :
MSVOA_N
ClientSampleId :

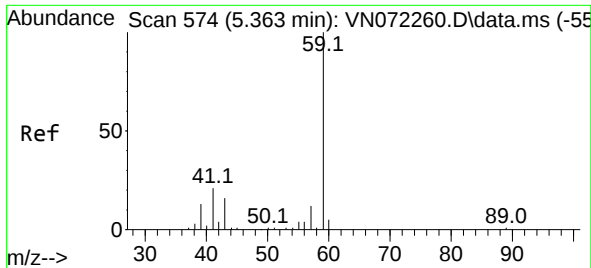
Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.063 min Scan# 183
Delta R.T. 0.058 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

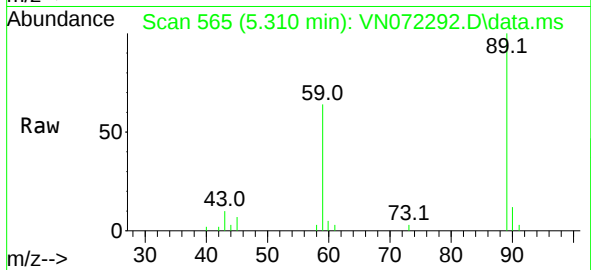
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



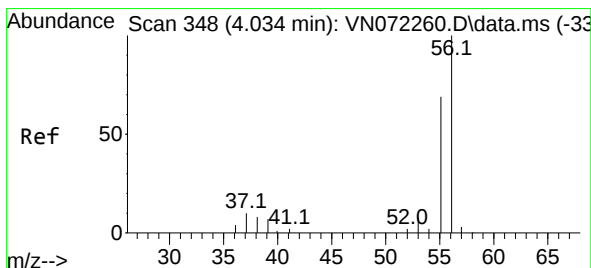
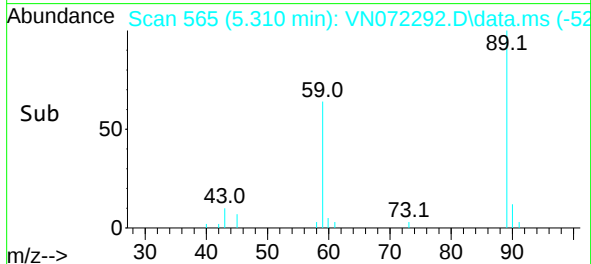
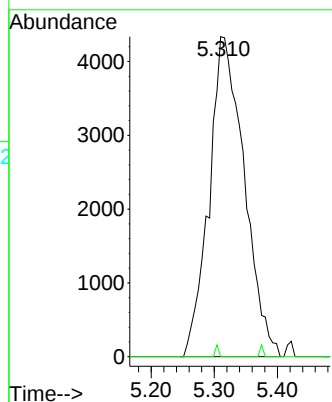


#11
Tert butyl alcohol
Concen: 29.058 ug/l
RT: 5.310 min Scan# 51
Delta R.T. -0.053 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Instrument :
MSVOA_N
ClientSampleId :

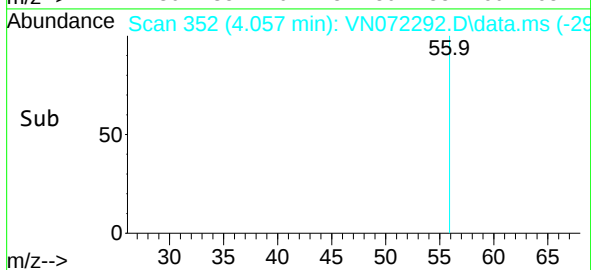
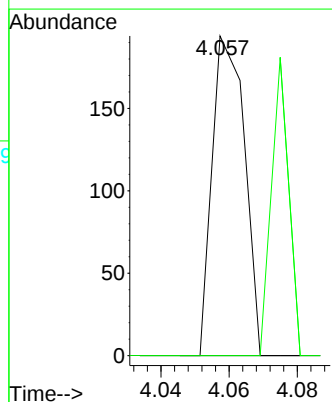
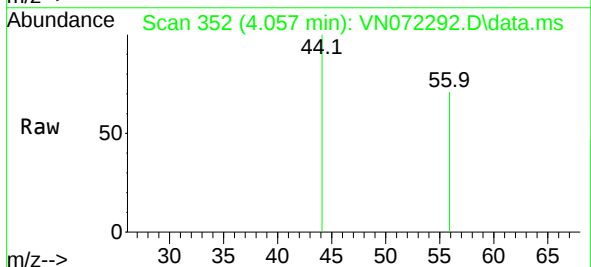


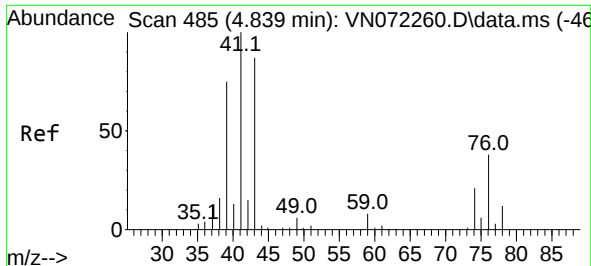
Tgt Ion: 59 Resp: 16749
Ion Ratio Lower Upper
59 100
57 0.3 8.3 12.5#



#13
Acrolein
Concen: 0.219 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.017 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 50.4 54.8 82.2#





#14

Allyl chloride

Concen: 0.241 ug/l

RT: 4.581 min Scan# 441

Delta R.T. -0.259 min

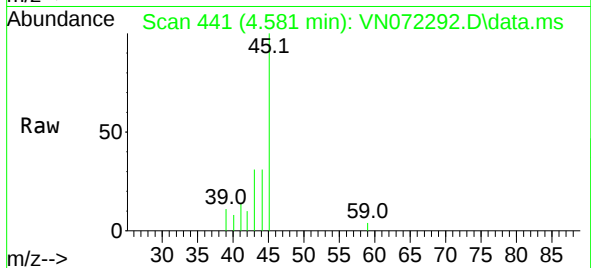
Lab File: VN072292.D

Acq: 02 May 2022 13:35

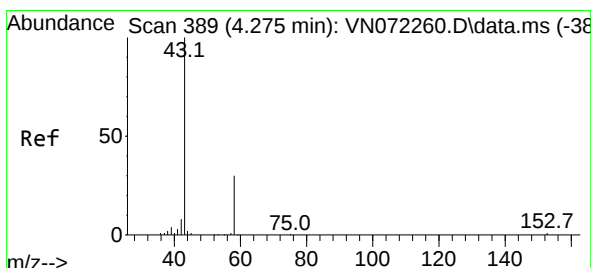
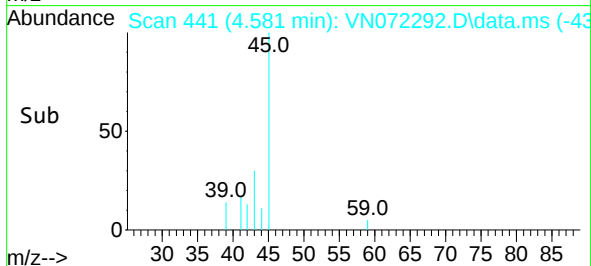
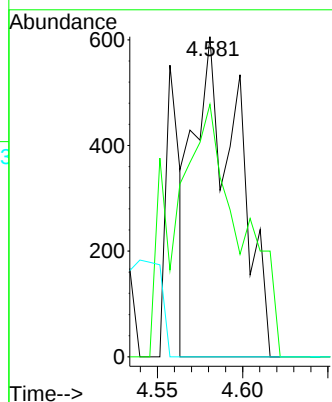
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 41	Resp: 1090
Ion Ratio	Lower Upper
41	100
39	98.8 53.2 79.8#
76	0.0 29.9 44.9#



#16

Acetone

Concen: 4.153 ug/l

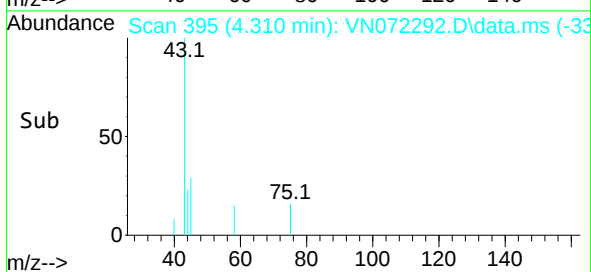
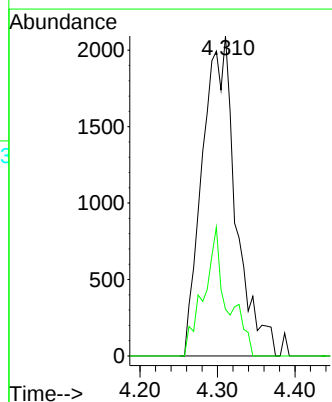
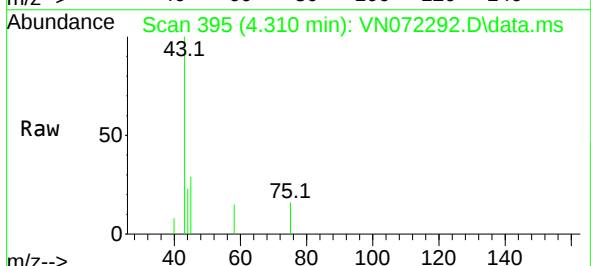
RT: 4.310 min Scan# 395

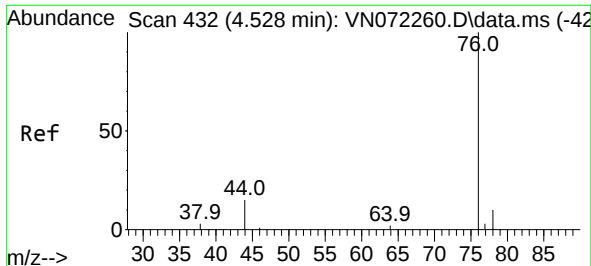
Delta R.T. 0.029 min

Lab File: VN072292.D

Acq: 02 May 2022 13:35

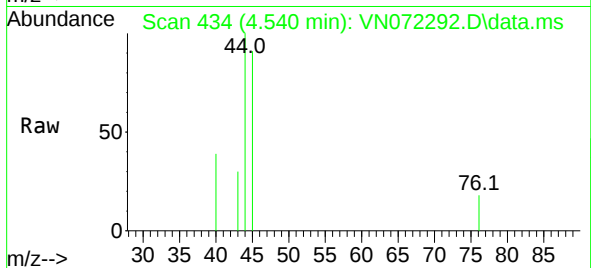
Tgt Ion: 43	Resp: 6280
Ion Ratio	Lower Upper
43	100
58	14.6 26.0 39.0#



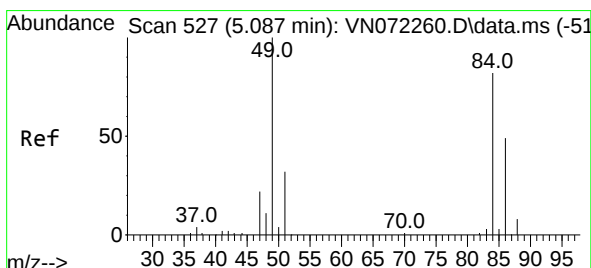
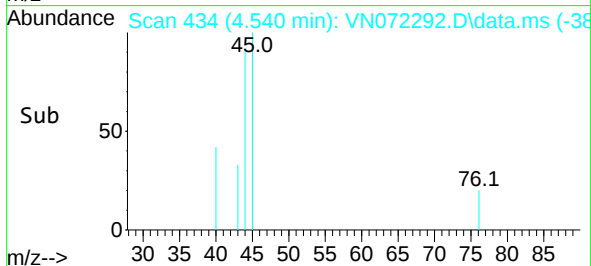
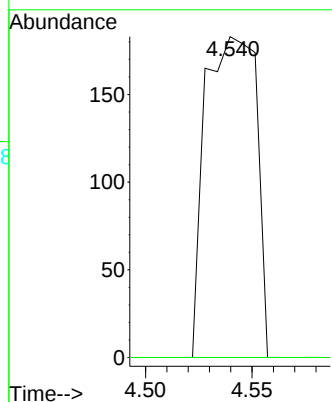


#17
Carbon Disulfide
Concen: 0.422 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Instrument :
MSVOA_N
ClientSampleId :

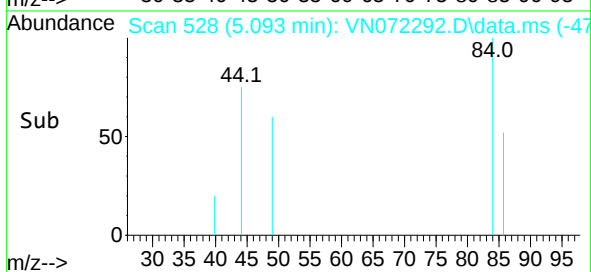
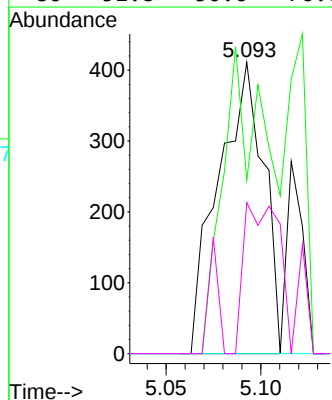
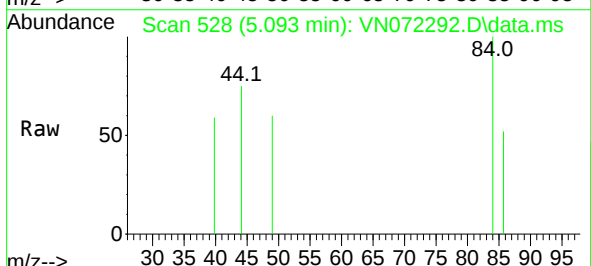


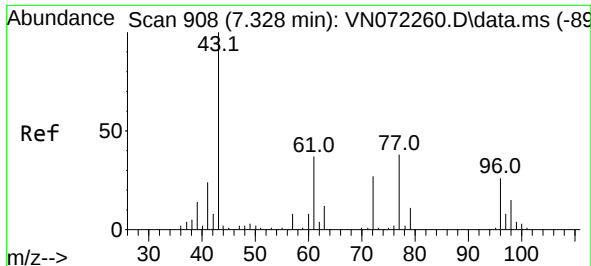
Tgt Ion: 76 Resp: 305
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 84 Resp: 682
Ion Ratio Lower Upper
84 100
49 59.6 88.3 132.5#
51 0.0 28.2 42.2#
86 51.8 50.6 76.0

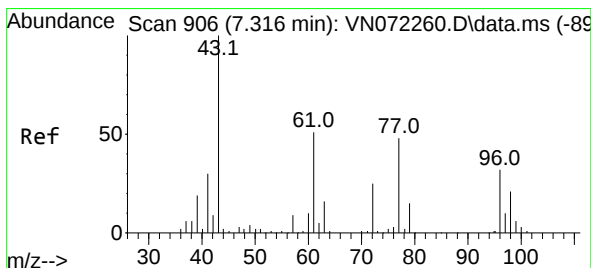
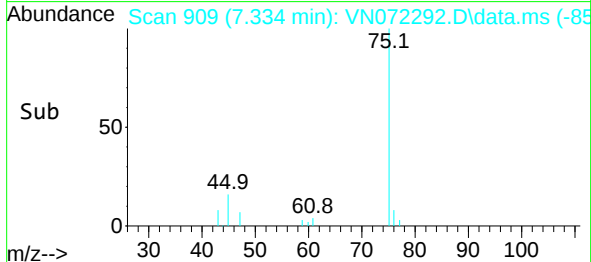
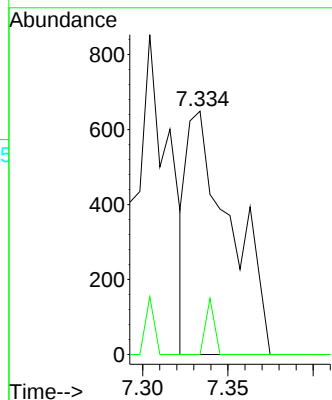
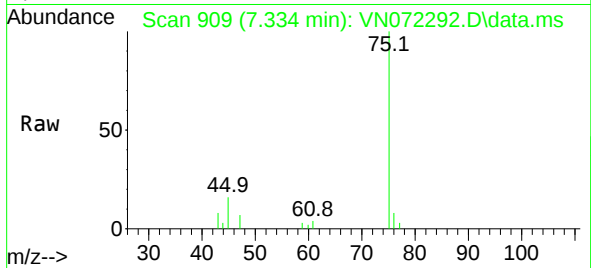




#25
2-Butanone
Concen: 0.480 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

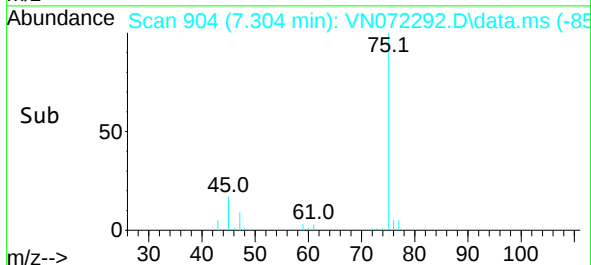
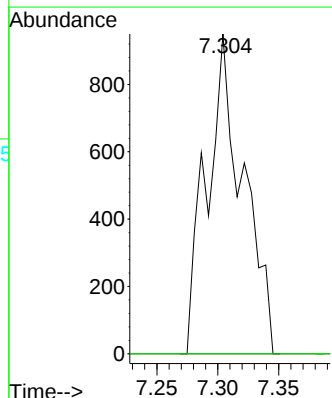
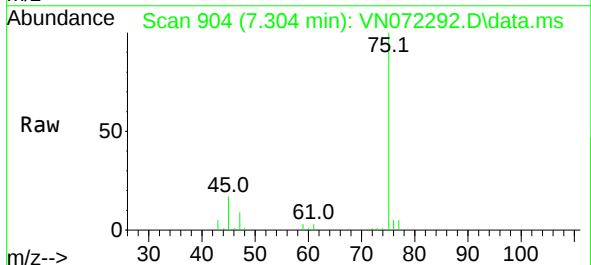
Instrument :
MSVOA_N
ClientSampleId :

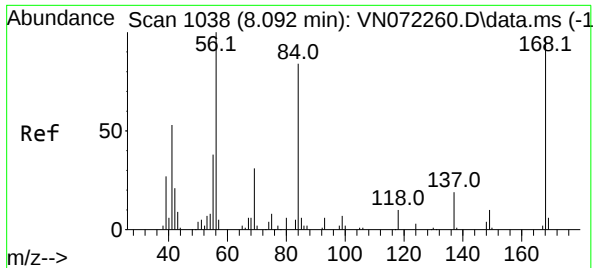
Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.486 ug/l
RT: 7.304 min Scan# 904
Delta R.T. -0.018 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

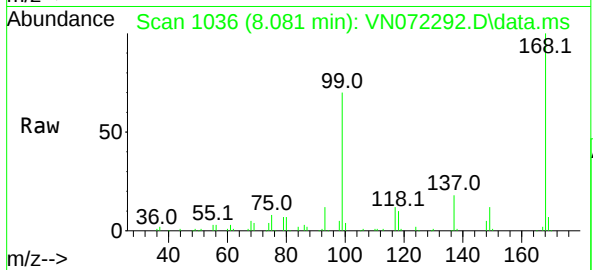
Tgt Ion: 77 Resp: 1982
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



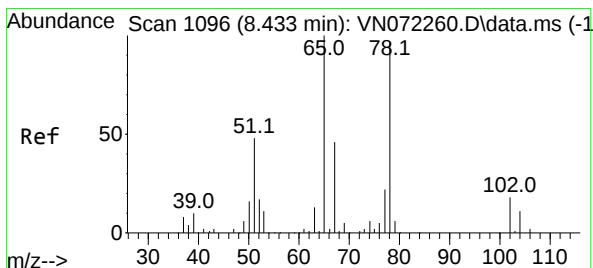
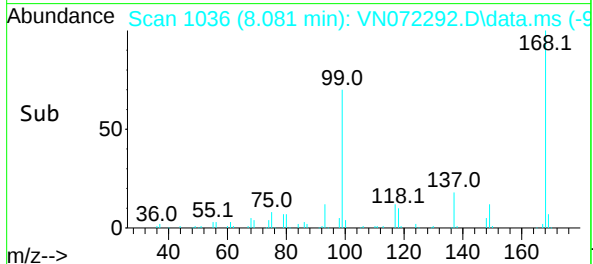
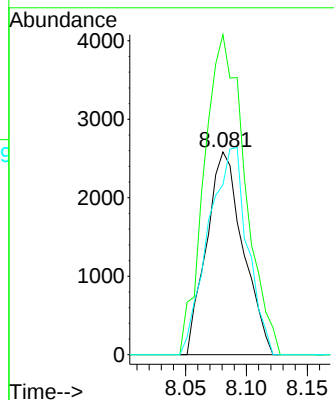


#31
Cyclohexane
Concen: 1.149 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Instrument :
MSVOA_N
ClientSampleId :

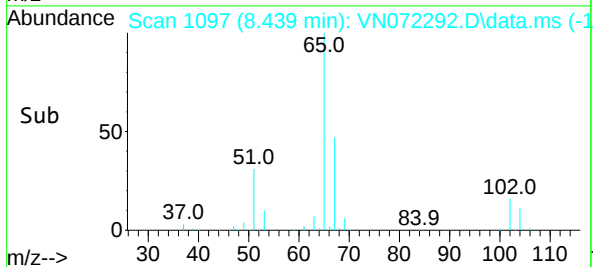
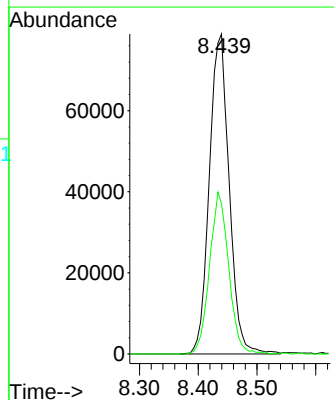
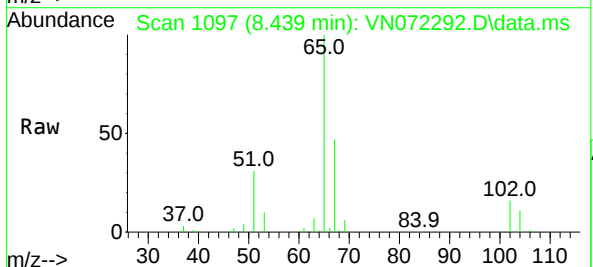


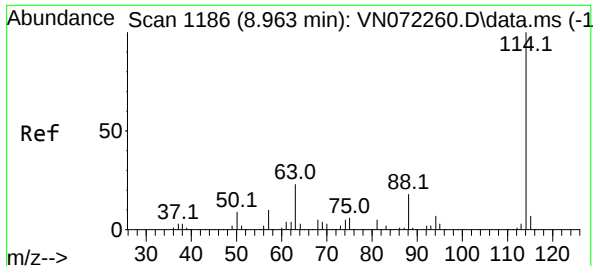
Tgt Ion: 56 Resp: 5384
Ion Ratio Lower Upper
56 100
69 157.8 27.8 41.8#
84 83.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 52.751 ug/l
RT: 8.439 min Scan# 1097
Delta R.T. 0.005 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 65 Resp: 185021
Ion Ratio Lower Upper
65 100
67 48.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072292.D

Acq: 02 May 2022 13:35

Instrument :

MSVOA_N

ClientSampleId :

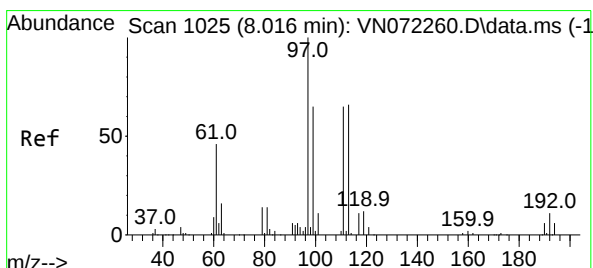
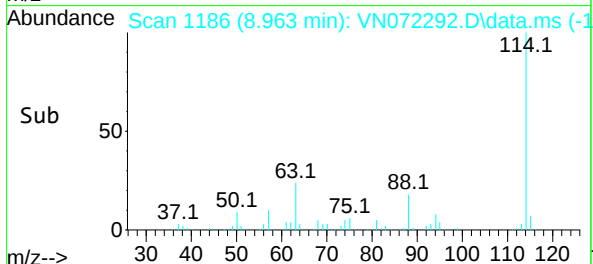
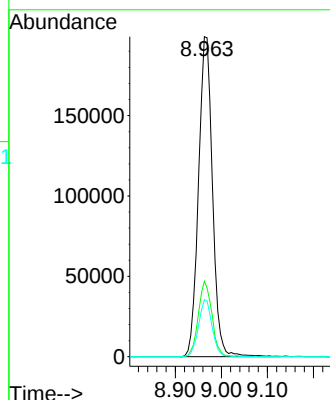
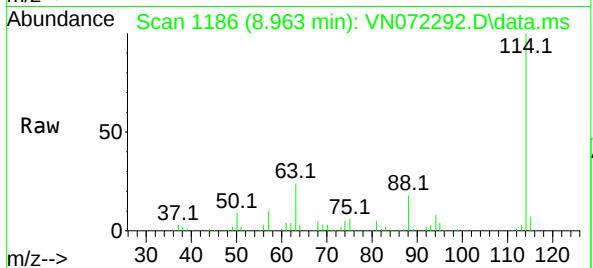
Tgt Ion:114 Resp: 421100

Ion Ratio Lower Upper

114 100

63 23.6 0.0 40.0

88 17.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.693 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072292.D

Acq: 02 May 2022 13:35

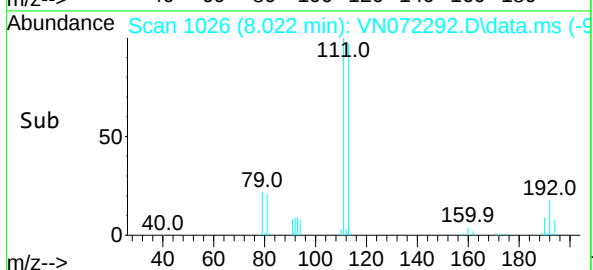
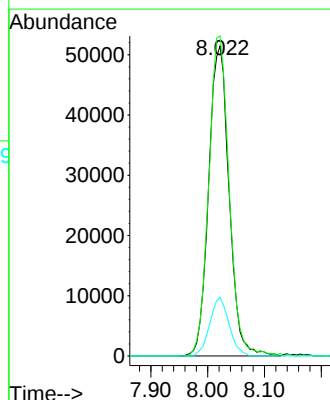
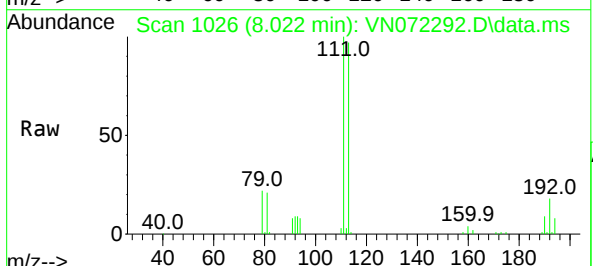
Tgt Ion:113 Resp: 128545

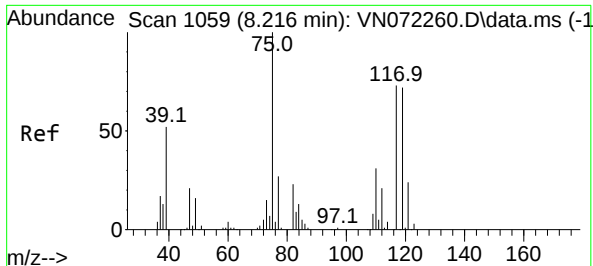
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.130 min

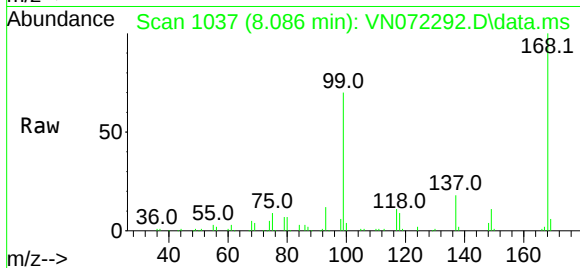
Lab File: VN072292.D

Acq: 02 May 2022 13:35

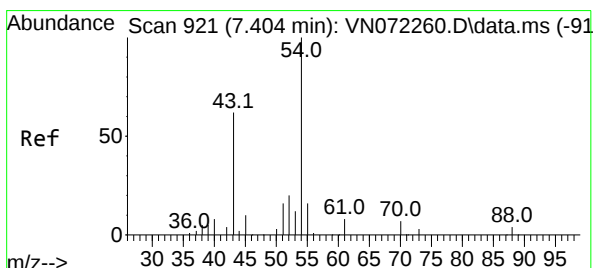
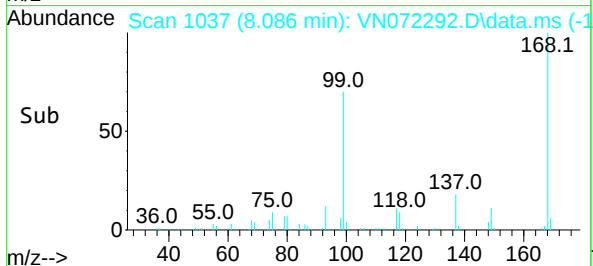
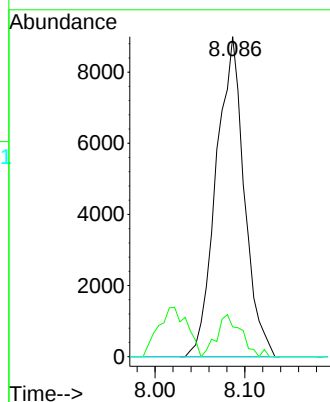
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 19562
Ion Ratio	Lower Upper
75 100	
110 11.4	18.3 54.8#
77 0.0	25.1 37.7#



#37

Ethyl Acetate

Concen: 0.222 ug/l

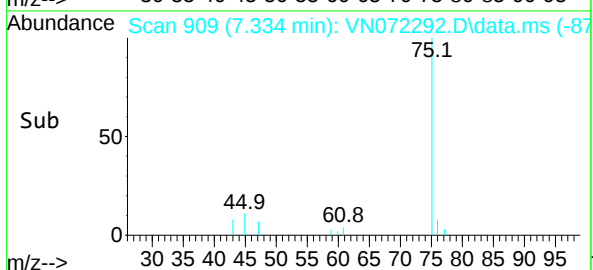
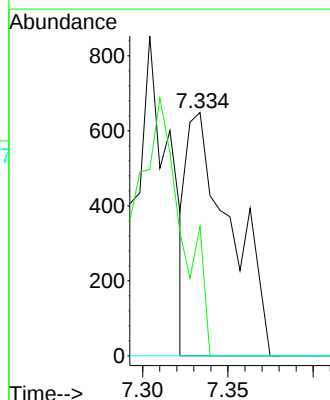
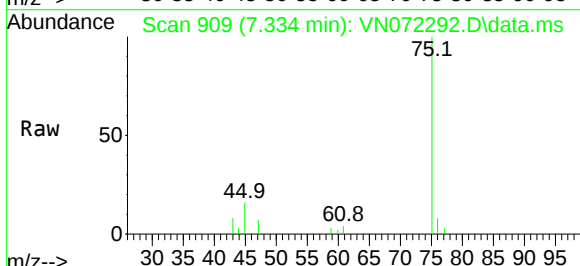
RT: 7.334 min Scan# 909

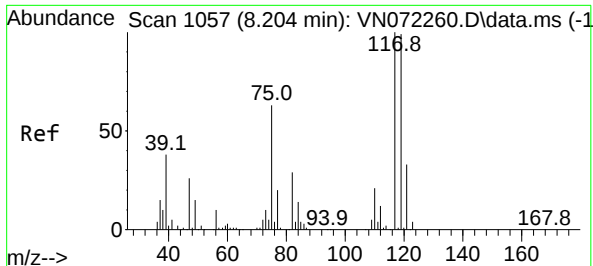
Delta R.T. -0.076 min

Lab File: VN072292.D

Acq: 02 May 2022 13:35

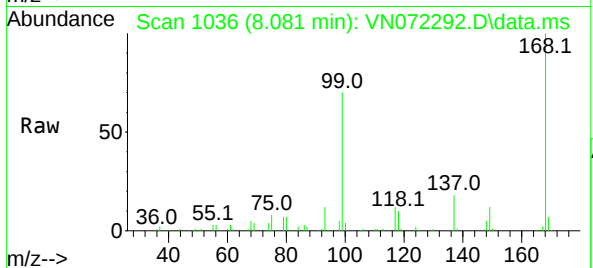
Tgt Ion: 43	Resp: 1156
Ion Ratio	Lower Upper
43 100	
61 0.0	11.8 17.6#
70 0.0	9.3 13.9#



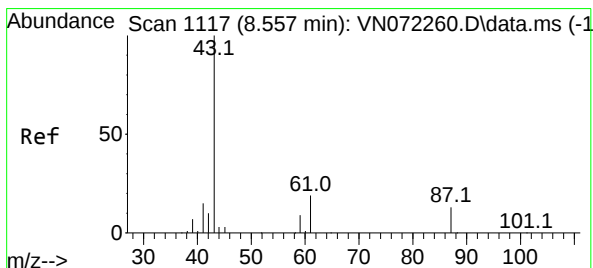
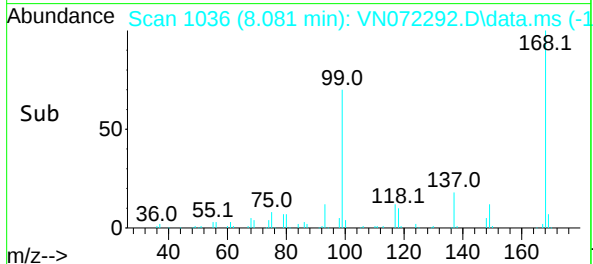
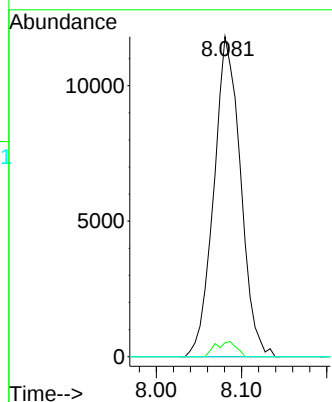


#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 8.081 min Scan# 1119
Delta R.T. -0.123 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Instrument :
MSVOA_N
ClientSampleId :

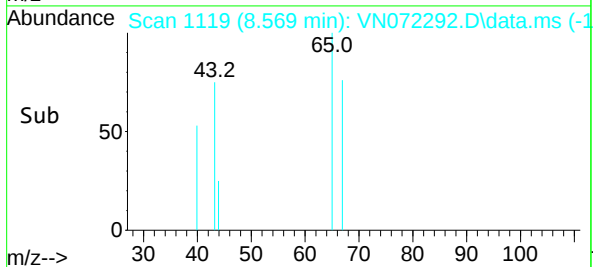
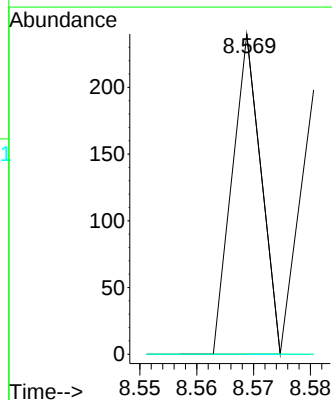
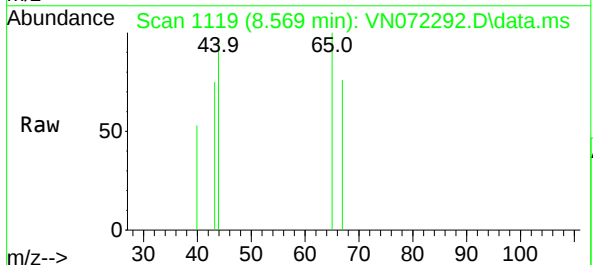


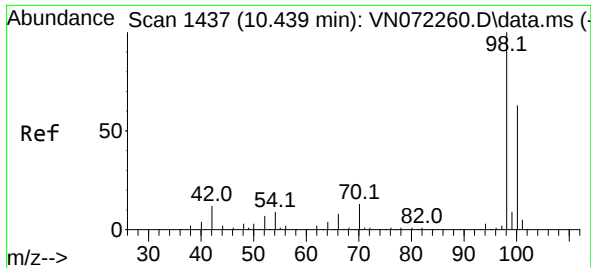
Tgt Ion: 117 Resp: 25724
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.811 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

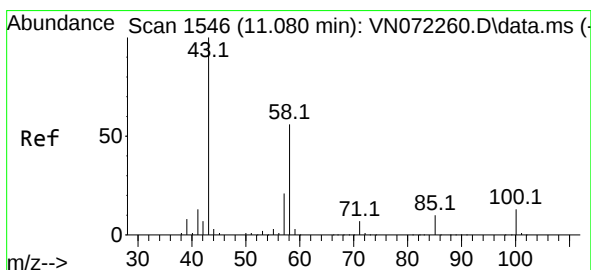
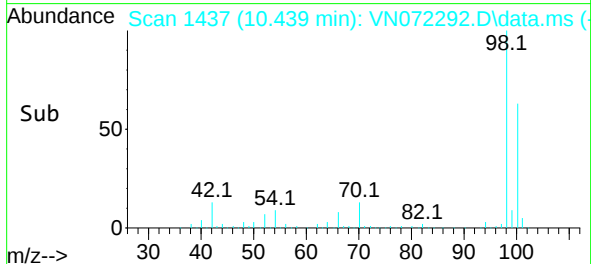
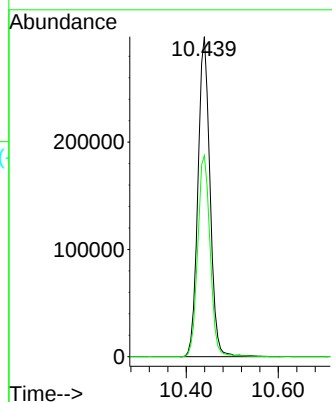
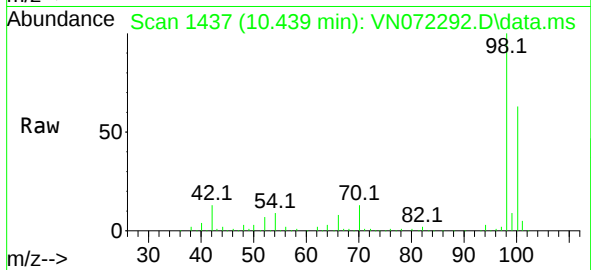




#50
Toluene-d8
Concen: 51.045 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

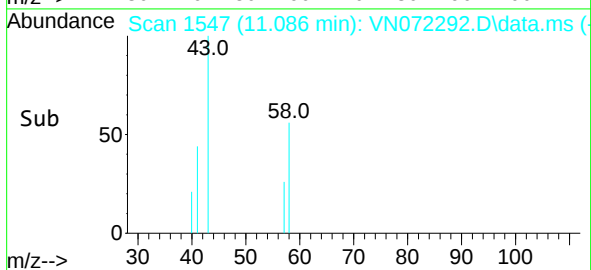
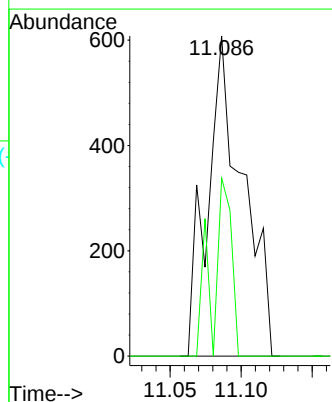
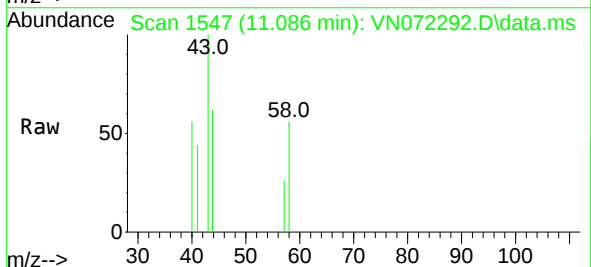
Instrument :
MSVOA_N
ClientSampleId :

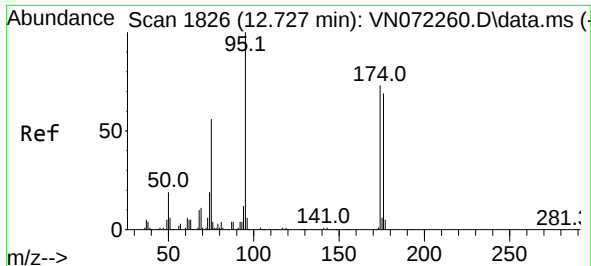
Tgt Ion: 98 Resp: 540608
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#59
2-Hexanone
Concen: 0.305 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
58 29.2 29.7 89.1#

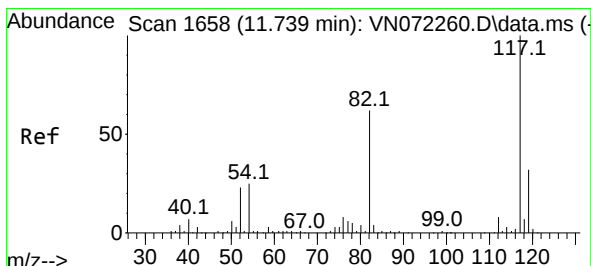
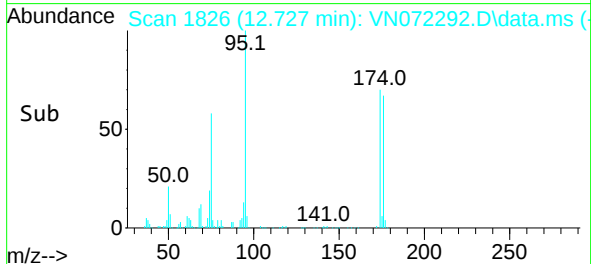
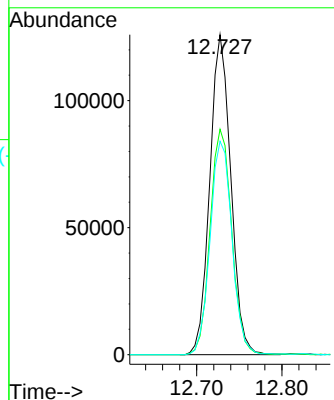
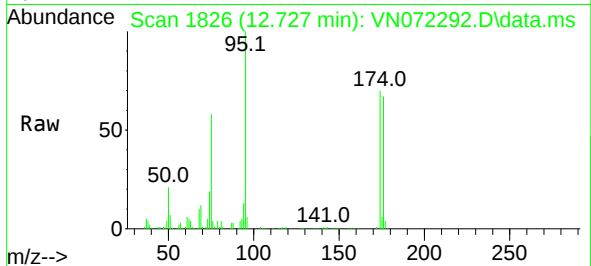




#62
4-Bromofluorobenzene
Concen: 61.461 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

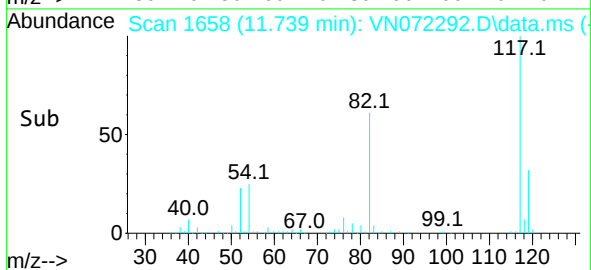
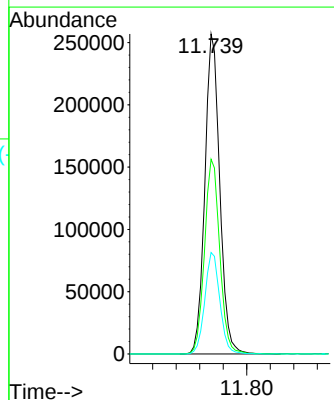
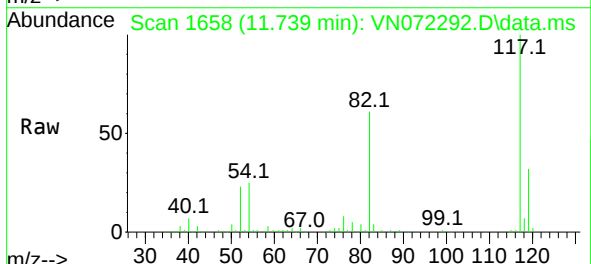
Instrument :
MSVOA_N
ClientSampleId :

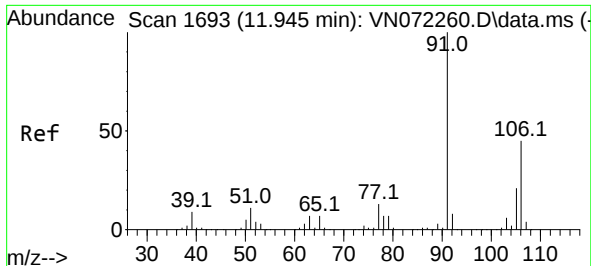
Tgt Ion: 95 Resp: 216054
Ion Ratio Lower Upper
95 100
174 72.4 0.0 167.6
176 69.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 117 Resp: 453372
Ion Ratio Lower Upper
117 100
82 60.9 44.2 66.2
119 31.7 25.4 38.0

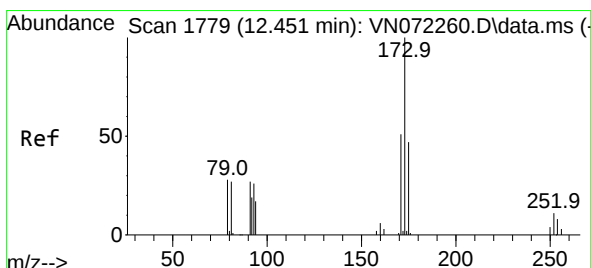
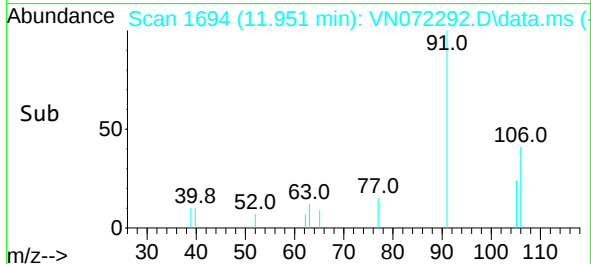
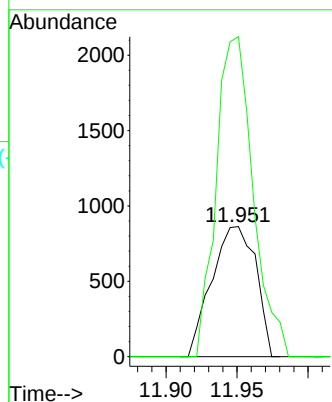
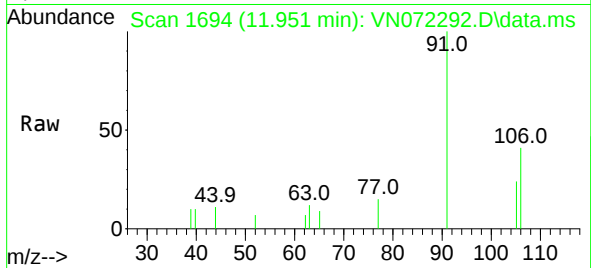




#68
m/p-Xylenes
Concen: 0.314 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

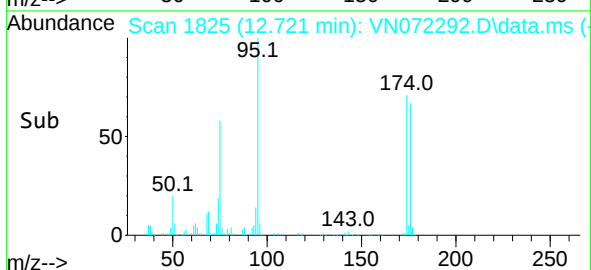
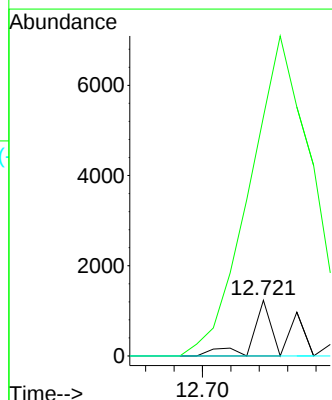
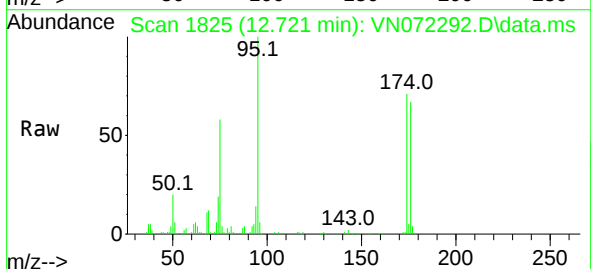
Instrument :
MSVOA_N
ClientSampleId :

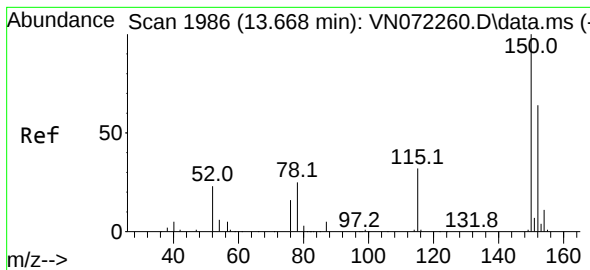
Tgt Ion:106 Resp: 1865
Ion Ratio Lower Upper
106 100
91 205.8 158.9 238.3



#71
Bromoform
Concen: 0.215 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion:173 Resp: 551
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN072292.D

Acq: 02 May 2022 13:35

Instrument :

MSVOA_N

ClientSampleId :

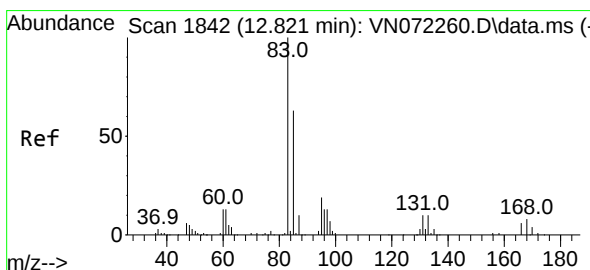
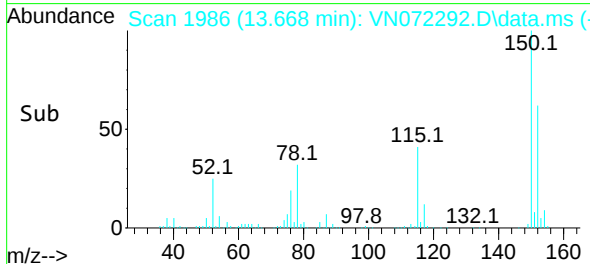
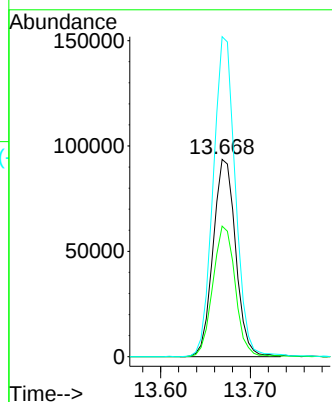
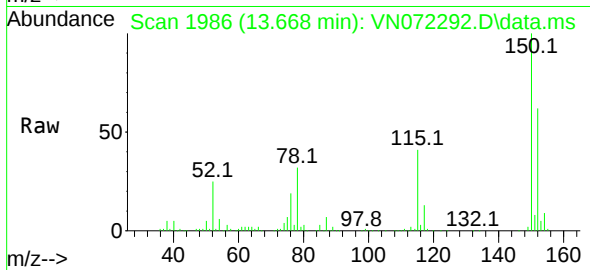
Tgt Ion:152 Resp: 164027

Ion Ratio Lower Upper

152 100

115 65.9 28.9 86.7

150 159.6 0.0 356.2



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.733 min Scan# 1827

Delta R.T. -0.089 min

Lab File: VN072292.D

Acq: 02 May 2022 13:35

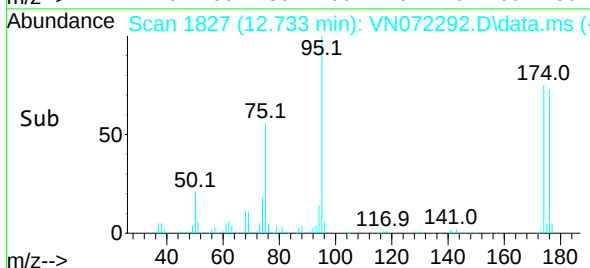
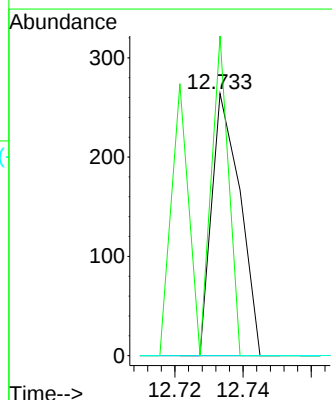
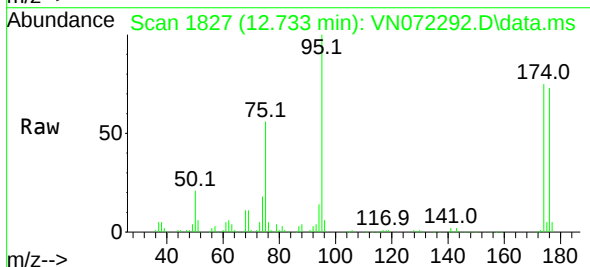
Tgt Ion: 83 Resp: 152

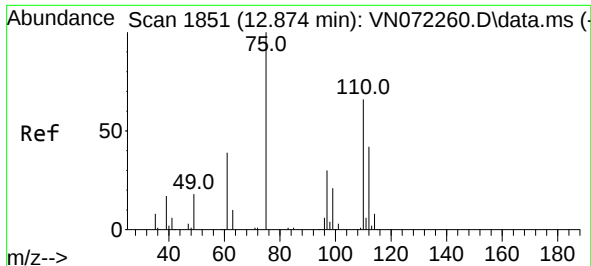
Ion Ratio Lower Upper

83 100

131 63.8 5.3 15.9#

85 0.0 32.3 96.9#

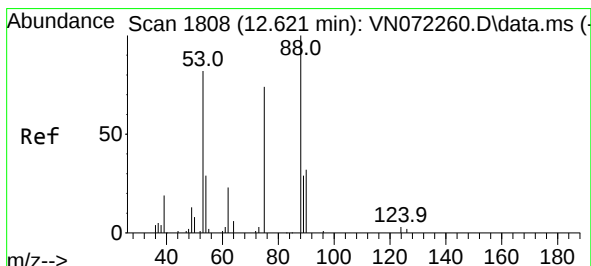
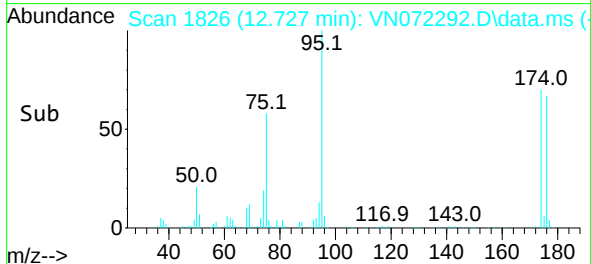
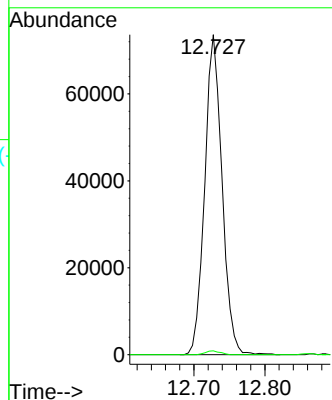
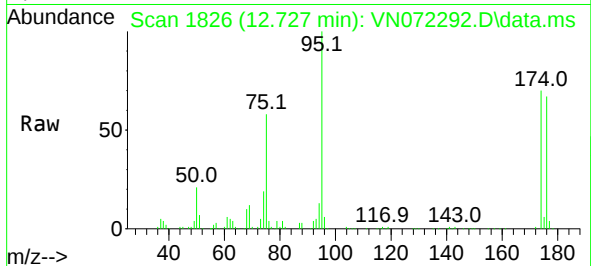




#76
1,2,3-Trichloropropane
Concen: 33.851 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

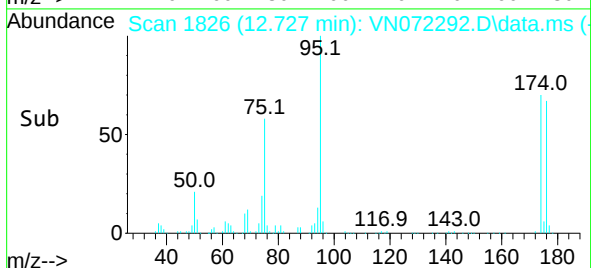
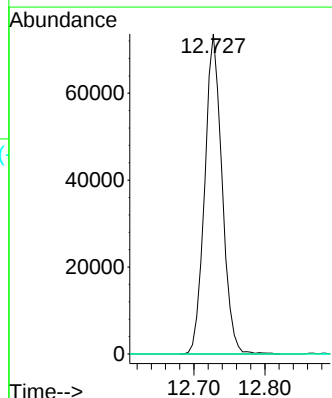
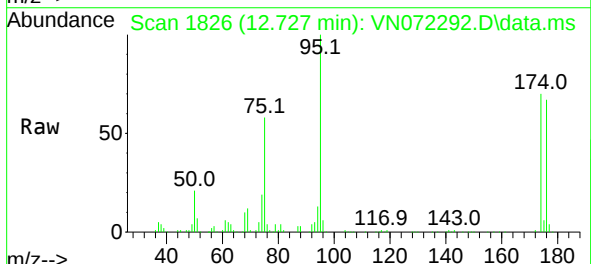
Instrument :
MSVOA_N
ClientSampleId :

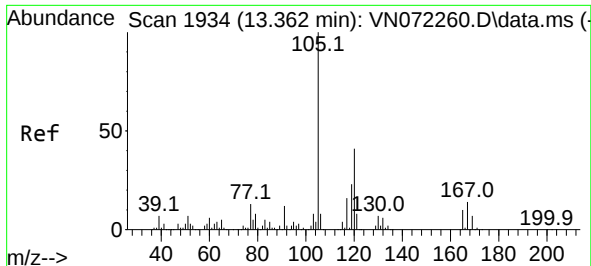
Tgt Ion: 75 Resp: 125031
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.137 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion: 75 Resp: 125031
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

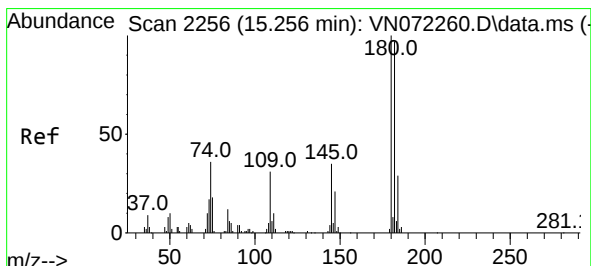
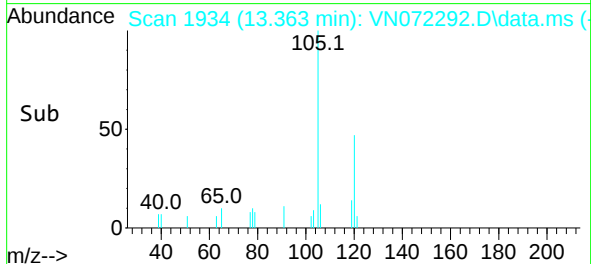
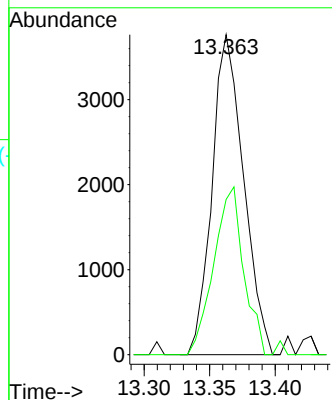
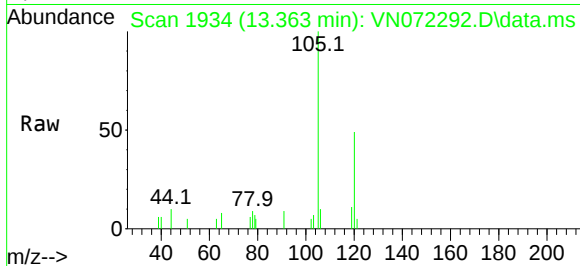




#84
 1,2,4-Trimethylbenzene
 Concen: 0.539 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072292.D
 Acq: 02 May 2022 13:35

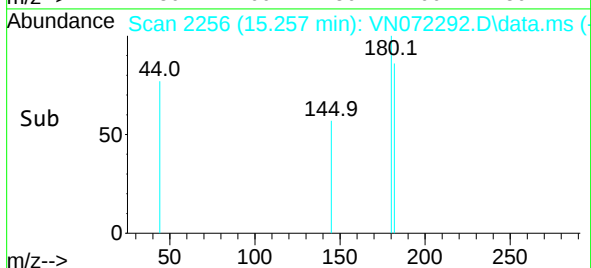
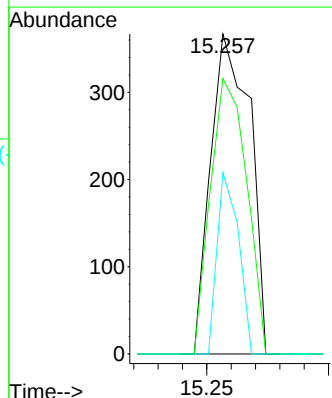
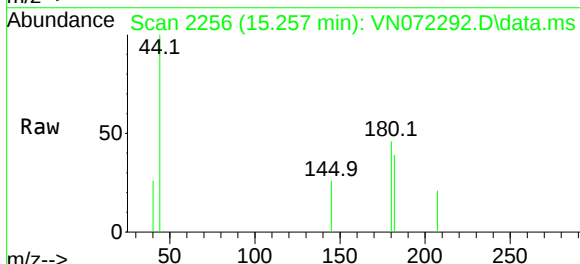
Instrument :
 MSVOA_N
 ClientSampleId :

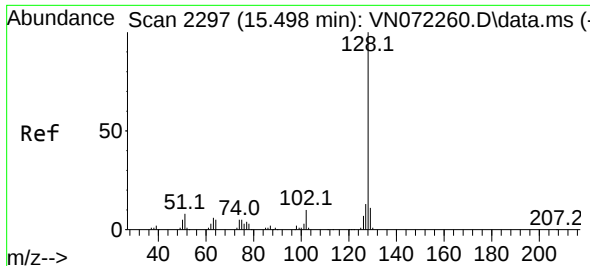
Tgt Ion:105 Resp: 6288
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.3 69.8



#93
 1,2,4-Trichlorobenzene
 Concen: 2.575 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN072292.D
 Acq: 02 May 2022 13:35

Tgt Ion:180 Resp: 411
 Ion Ratio Lower Upper
 180 100
 182 79.3 47.5 142.5
 145 30.9 14.5 43.5

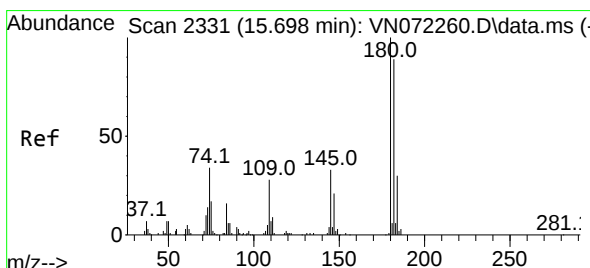
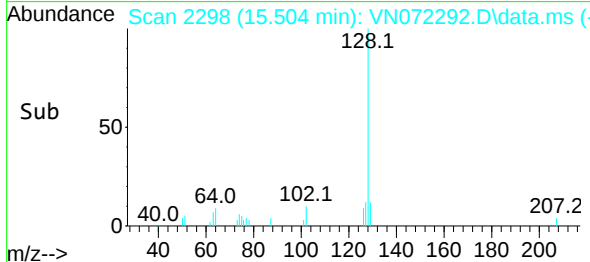
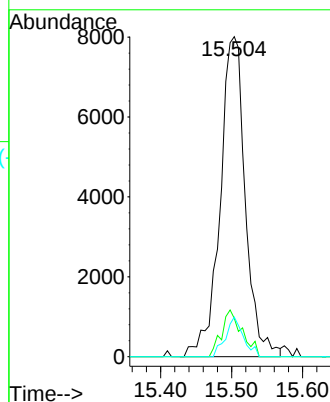
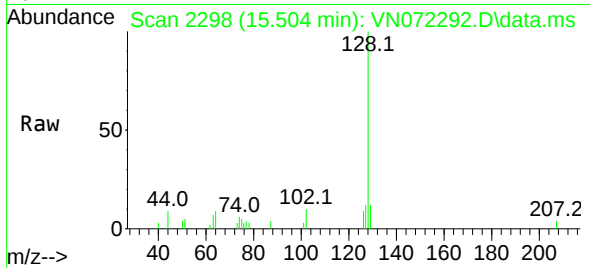




#95
Naphthalene
Concen: 6.423 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 19738
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 8.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.898 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN072292.D
Acq: 02 May 2022 13:35

Tgt Ion:180 Resp: 598
Ion Ratio Lower Upper
180 100
182 84.4 47.8 143.3
145 10.2 15.5 46.5#

