

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071218.D
 Acq On : 09 Mar 2022 18:33
 Operator : JC\MD
 Sample : PB143182ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:58:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

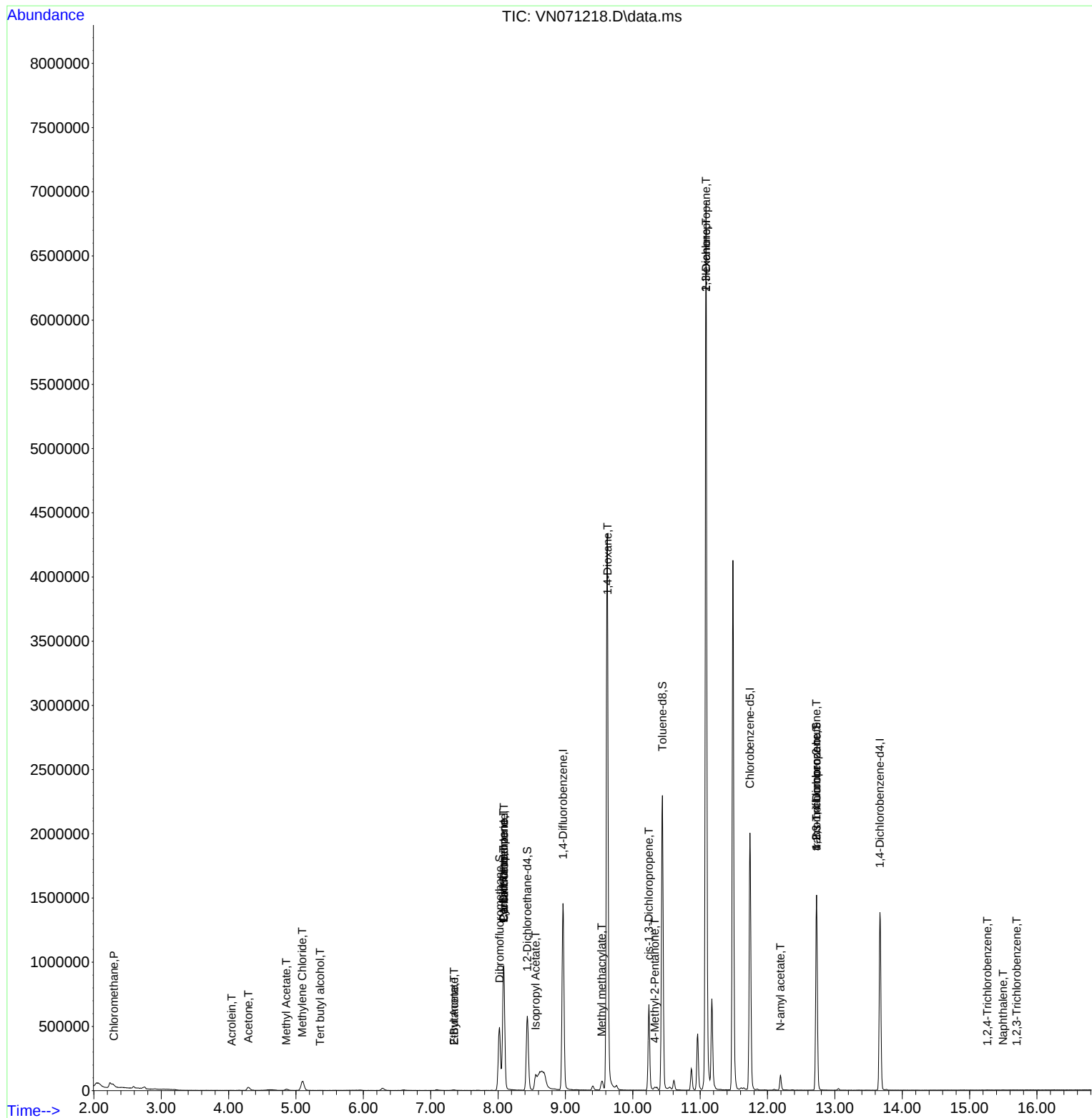
Internal Standards						
1) Pentafluorobenzene	8.086	168	752389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1254017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1150852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	385329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	478738	46.426	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.860%		
35) Dibromofluoromethane	8.022	113	363833	45.977	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.960%		
50) Toluene-d8	10.439	98	1548448	48.600	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.727	95	533279	49.428	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.860%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2753	0.214	ug/l #	85
5) Bromomethane	2.828	94	78	Below Cal	#	3
11) Tert butyl alcohol	5.357	59	417	0.206	ug/l #	71
13) Acrolein	4.045	56	493	0.230	ug/l	84
16) Acetone	4.293	43	47423	9.452	ug/l	95
18) Methyl Acetate	4.857	43	22003	2.088	ug/l #	89
20) Methylene Chloride	5.092	84	55495	6.387	ug/l	86
25) 2-Butanone	7.345	43	8500	1.052	ug/l	96
31) Cyclohexane	8.080	56	15946	0.968	ug/l #	3
36) 1,1-Dichloropropene	8.080	75	59320	4.679	ug/l #	49
37) Ethyl Acetate	7.345	43	8500	0.487	ug/l #	68
38) Carbon Tetrachloride	8.086	117	73733	6.012	ug/l #	17
43) Isopropyl Acetate	8.557	43	142414	5.458	ug/l #	76
48) Methyl methacrylate	9.539	41	21947	1.815	ug/l #	8
49) 1,4-Dioxane	9.627	88	780	3.711	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	14815	0.915	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	115540	7.521	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	71457	4.223	ug/l #	43
59) 2-Hexanone	11.086	43	1114027	100.824	ug/l #	49
74) N-amyl acetate	12.192	43	38606	2.764	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.727	83	374	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	271321	27.799	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	271321	76.116	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	259	3.028	ug/l #	85
95) Naphthalene	15.498	128	1304	5.134	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.698	180	210	2.765	ug/l #	36

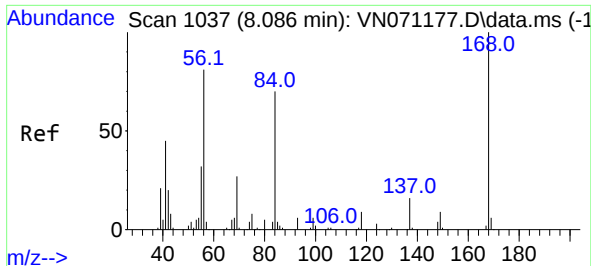
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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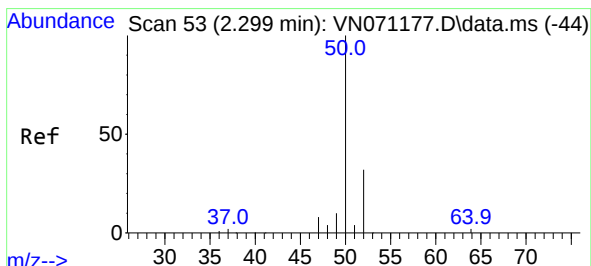
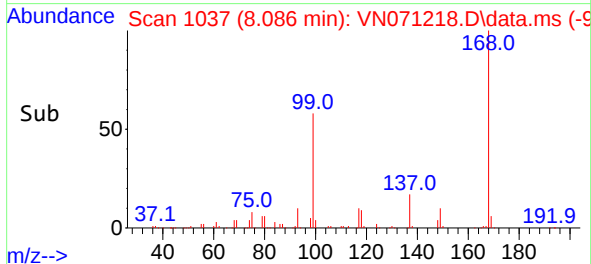
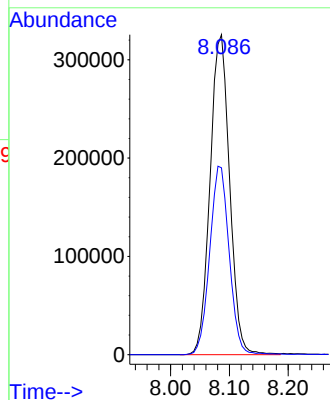
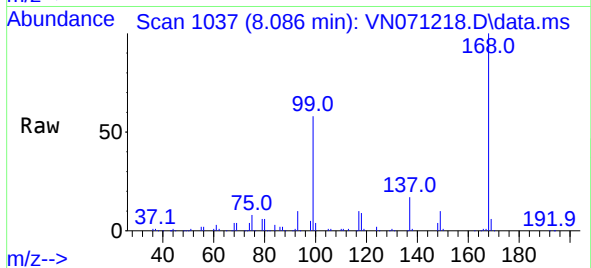




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

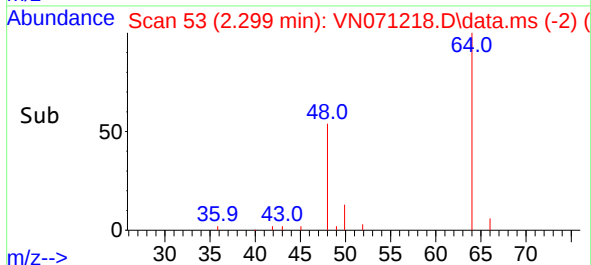
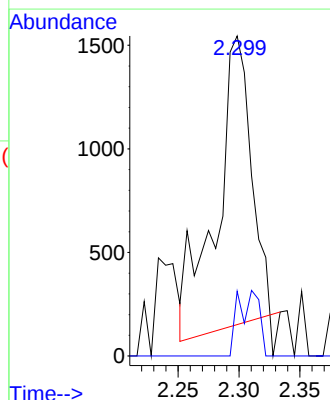
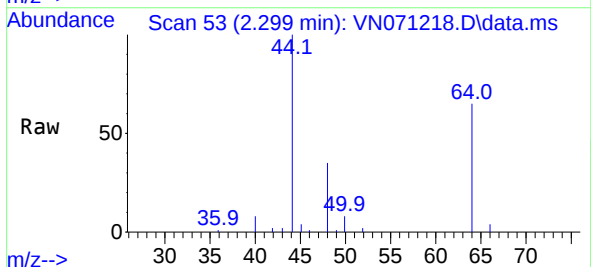
Instrument :
MSVOA_N
ClientSampleId :

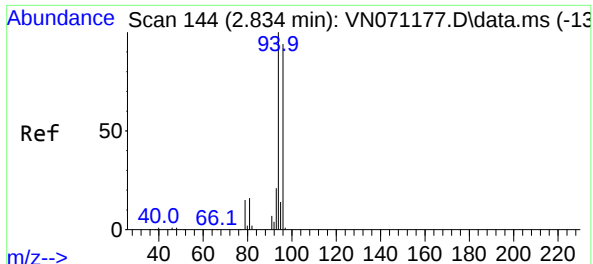
Tgt Ion:168 Resp: 752389
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Tgt Ion: 50 Resp: 2753
Ion Ratio Lower Upper
50 100
52 23.4 25.4 38.0#

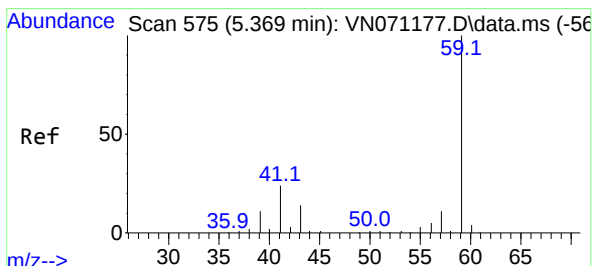
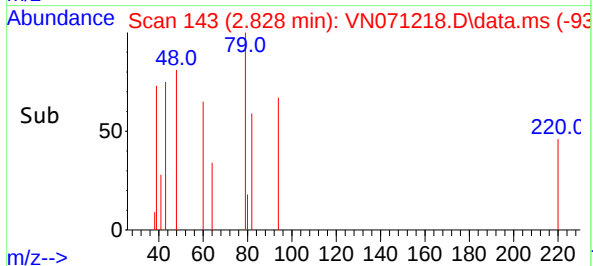
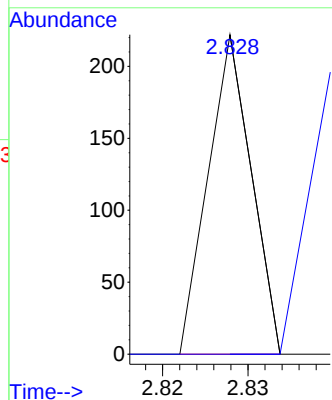
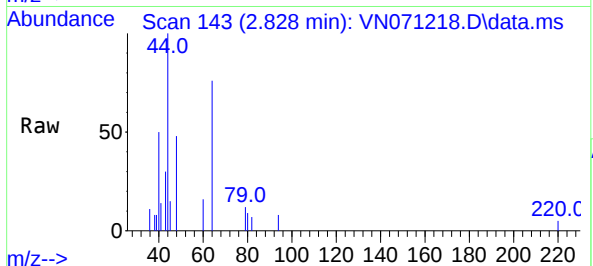




#5
Bromomethane
Concen: Below Cal
RT: 2.828 min Scan# 144
Delta R.T. -0.006 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

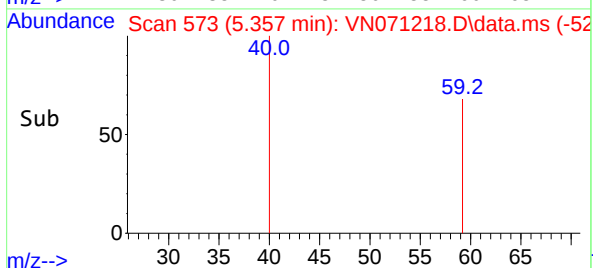
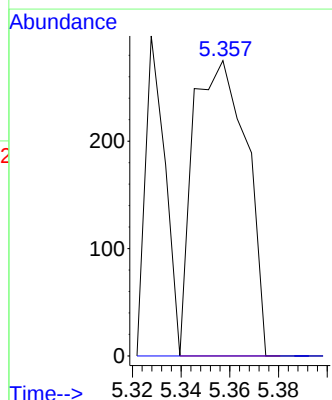
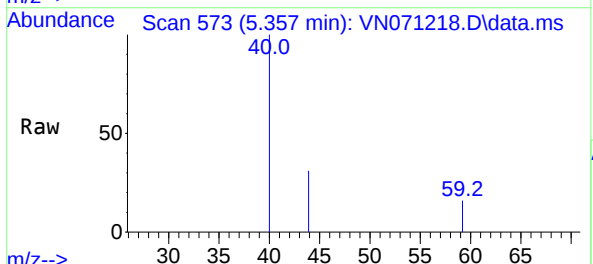
Instrument :
MSVOA_N
ClientSampleId :

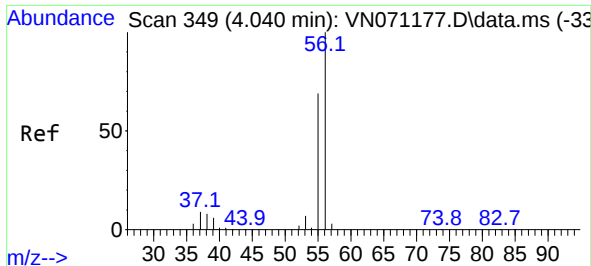
Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.012 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

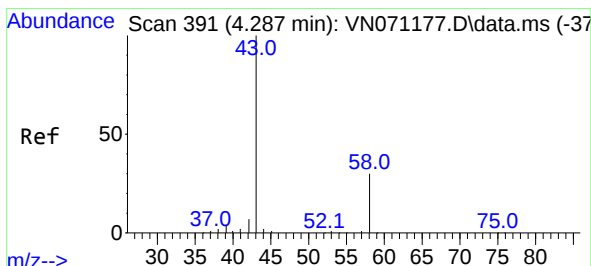
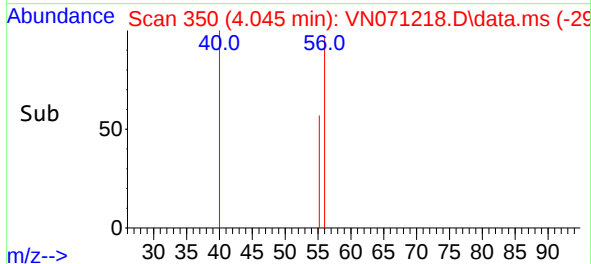
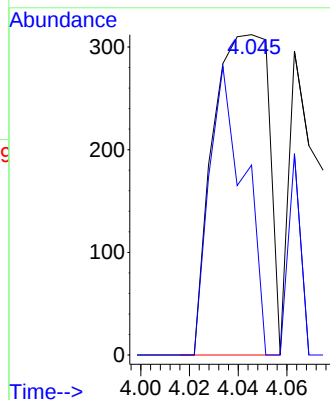
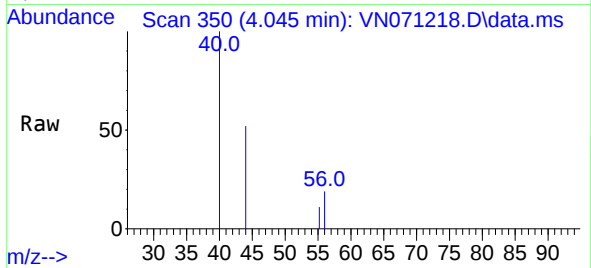




#13
Acrolein
Concen: 0.230 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

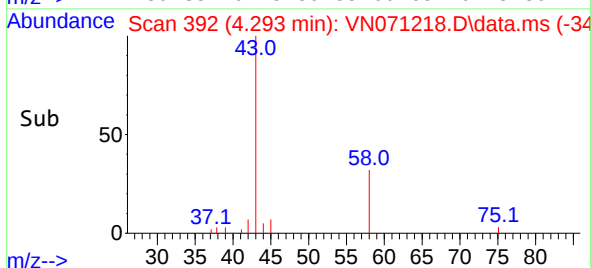
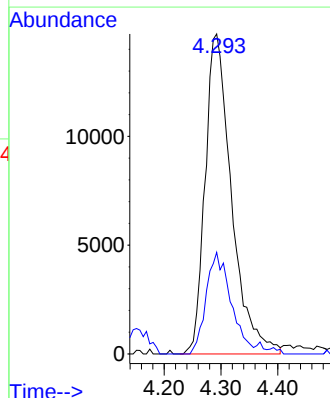
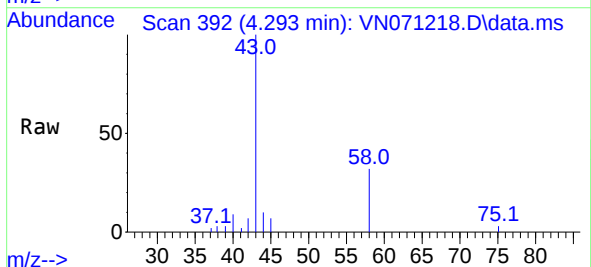
Instrument :
MSVOA_N
ClientSampleId :

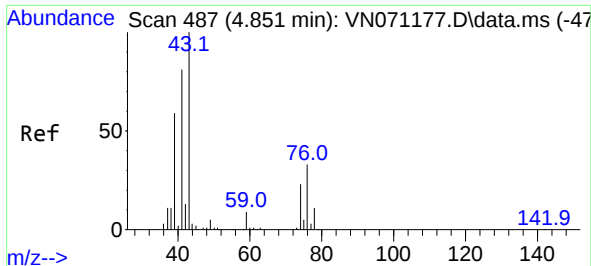
Tgt Ion: 56 Resp: 493
Ion Ratio Lower Upper
56 100
55 57.6 56.6 85.0



#16
Acetone
Concen: 9.452 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Tgt Ion: 43 Resp: 47423
Ion Ratio Lower Upper
43 100
58 31.7 23.1 34.7

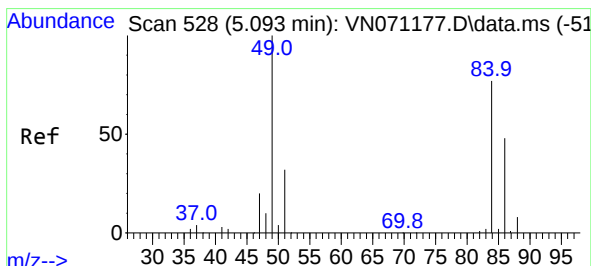
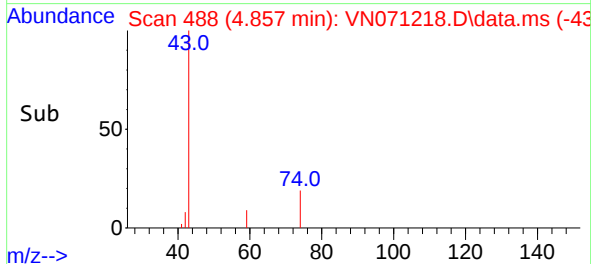
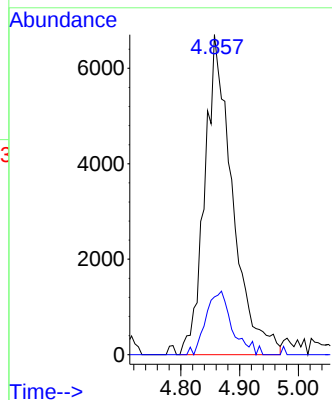
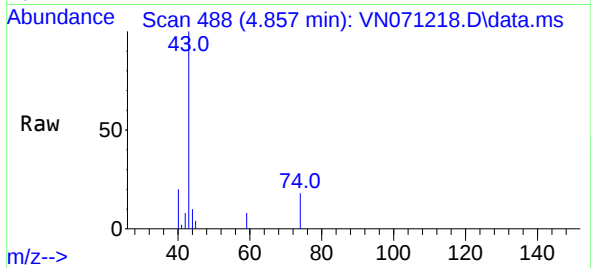




#18
Methyl Acetate
Concen: 2.088 ug/l
RT: 4.857 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

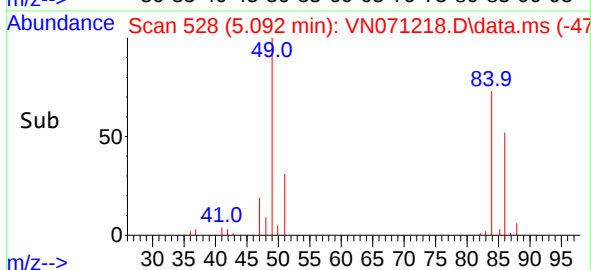
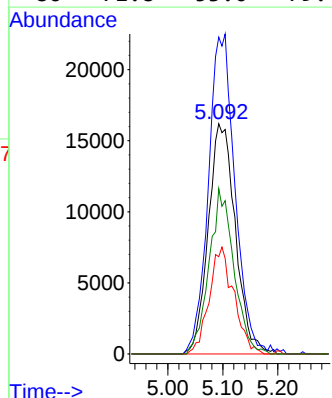
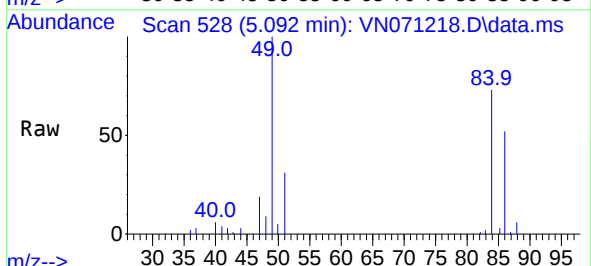
Instrument :
MSVOA_N
ClientSampleId :

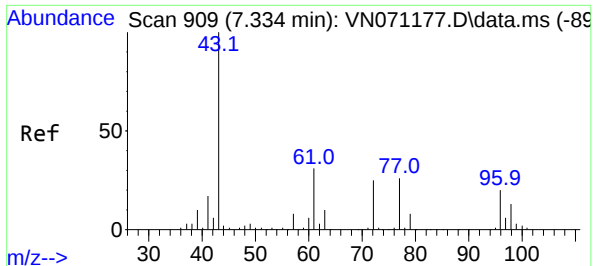
Tgt Ion: 43 Resp: 22003
Ion Ratio Lower Upper
43 100
74 18.6 19.4 29.2#



#20
Methylene Chloride
Concen: 6.387 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

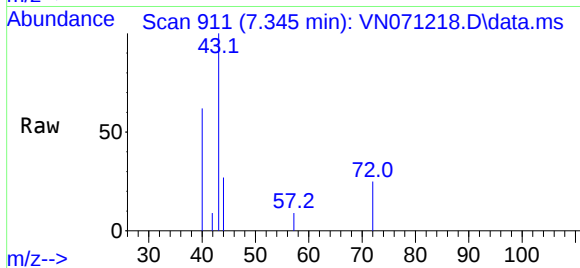
Tgt Ion: 84 Resp: 55495
Ion Ratio Lower Upper
84 100
49 137.6 93.5 140.3
51 42.3 29.4 44.2
86 71.8 53.0 79.4



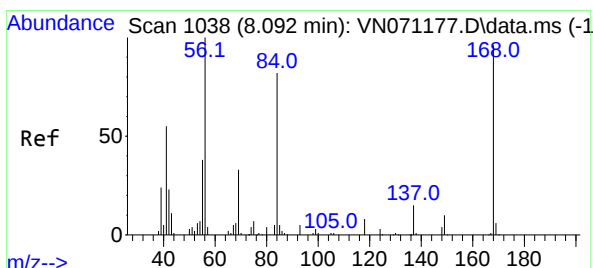
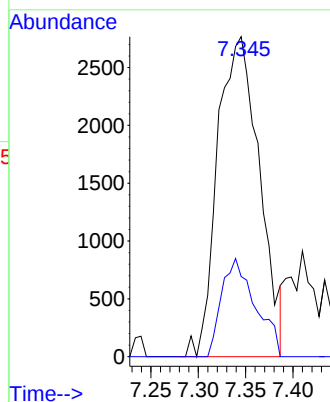
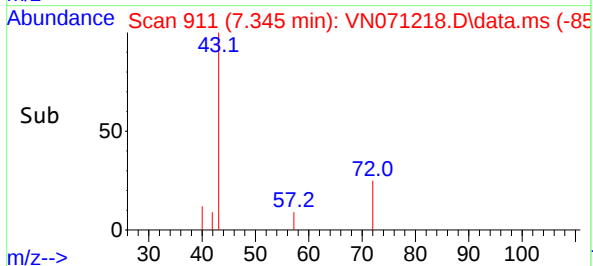


#25
2-Butanone
Concen: 1.052 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

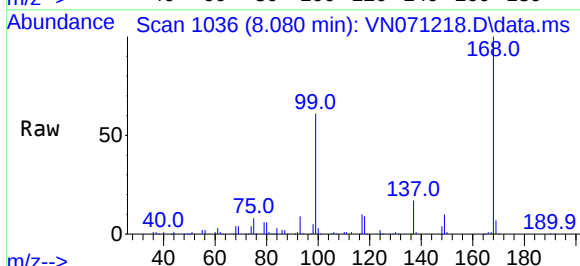
Instrument :
MSVOA_N
ClientSampleId :



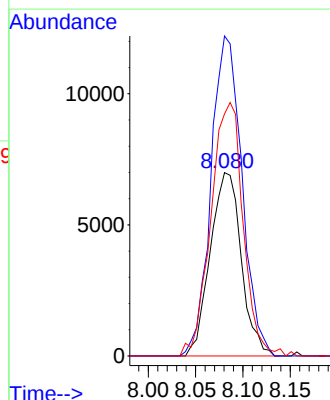
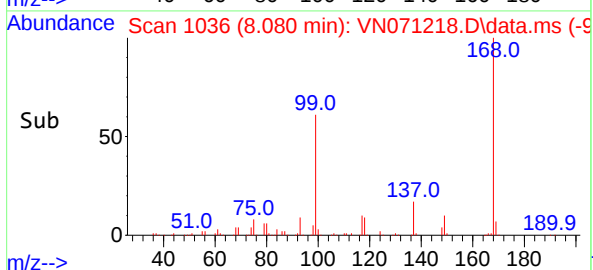
Tgt Ion: 43 Resp: 8500
Ion Ratio Lower Upper
43 100
72 25.0 21.7 32.5

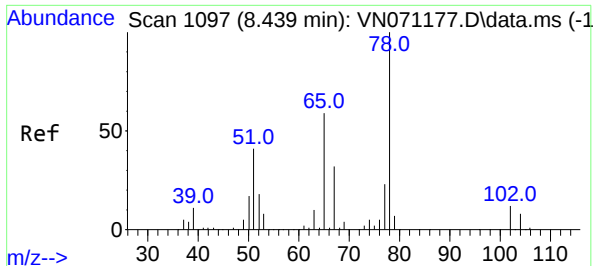


#31
Cyclohexane
Concen: 0.968 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33



Tgt Ion: 56 Resp: 15946
Ion Ratio Lower Upper
56 100
69 174.5 27.1 40.7#
84 132.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.426 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071218.D

Acq: 09 Mar 2022 18:33

Instrument :

MSVOA_N

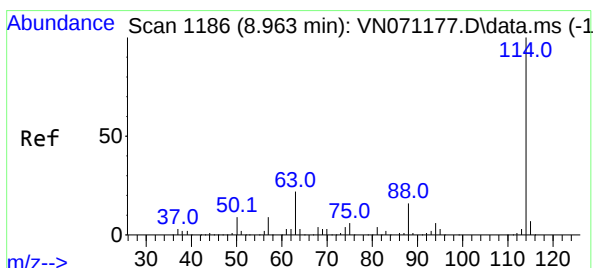
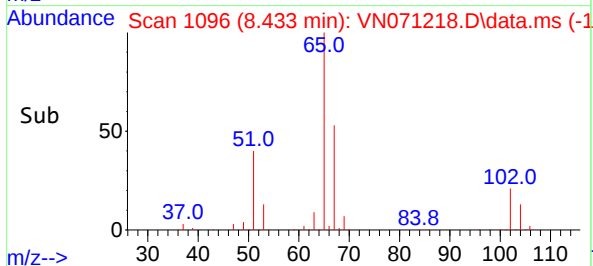
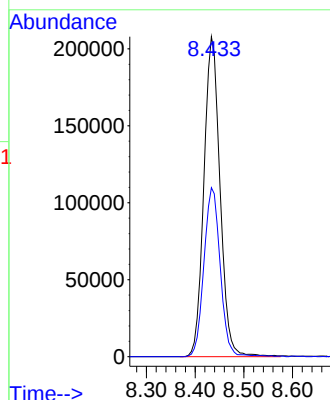
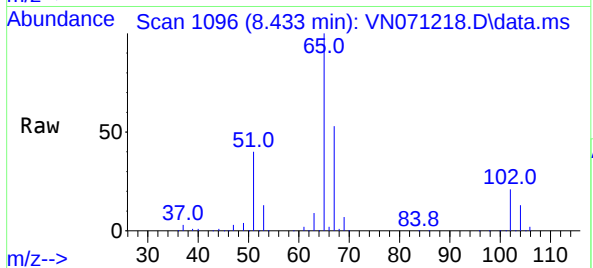
ClientSampleId :

Tgt Ion: 65 Resp: 478738

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071218.D

Acq: 09 Mar 2022 18:33

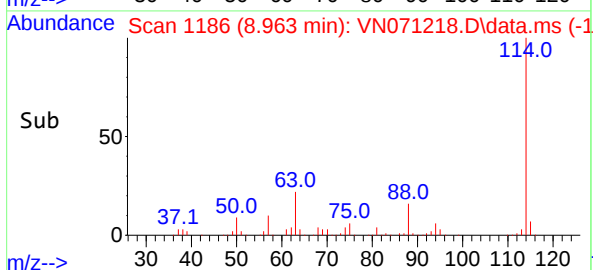
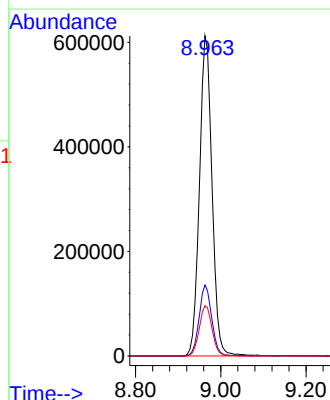
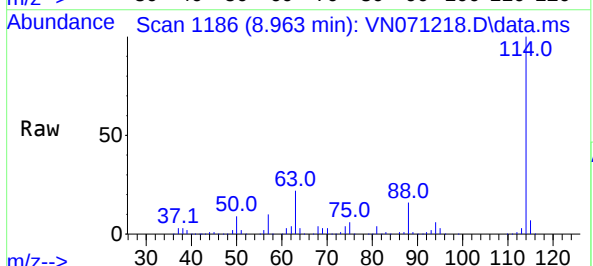
Tgt Ion:114 Resp: 1254017

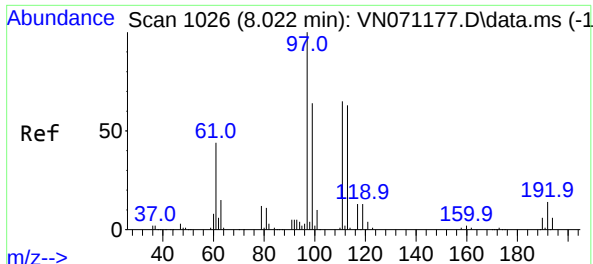
Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

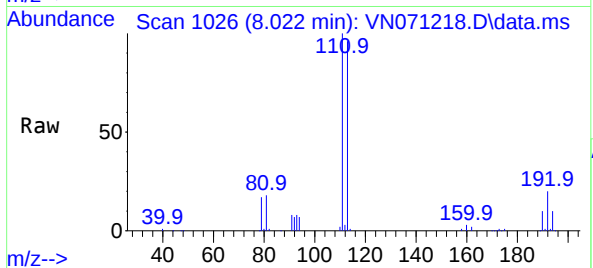
88 15.7 0.0 27.4



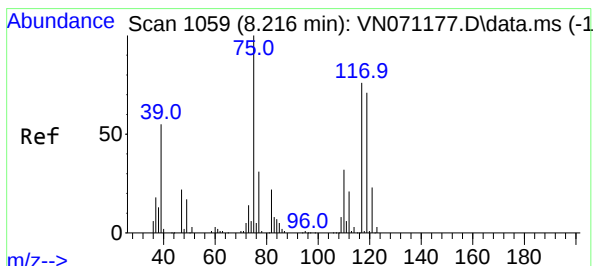
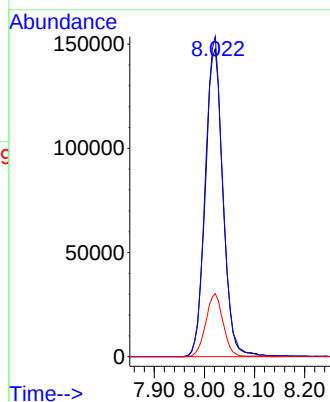
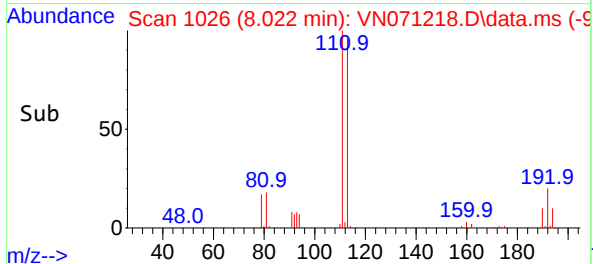


#35
Dibromofluoromethane
Concen: 45.977 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

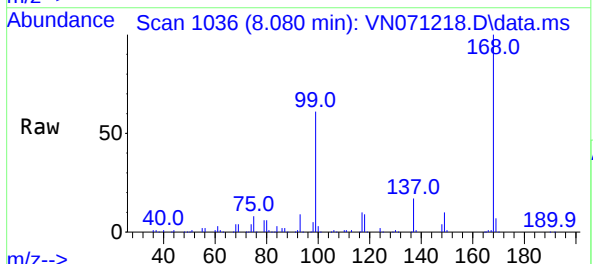
Instrument :
MSVOA_N
ClientSampleId :



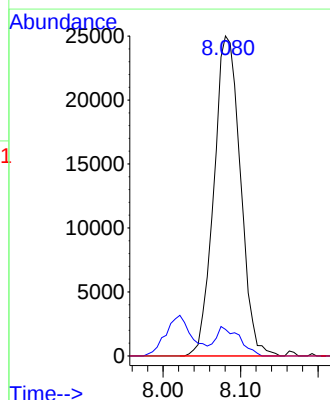
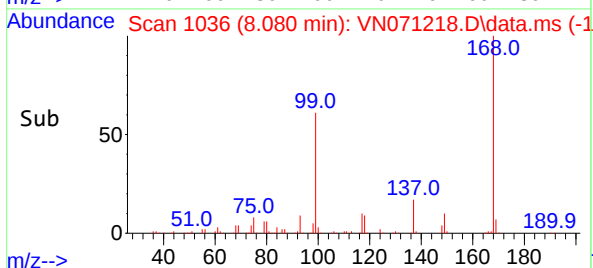
Tgt Ion:113 Resp: 363833
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.9 16.9 25.3

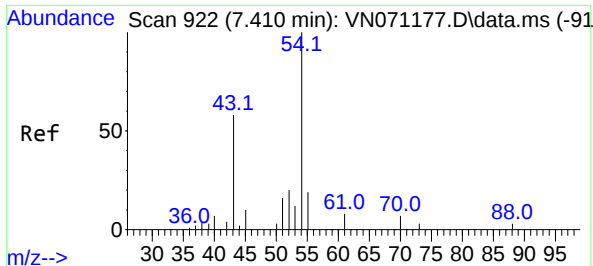


#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33



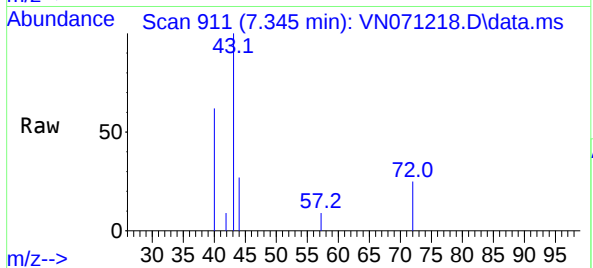
Tgt Ion: 75 Resp: 59320
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



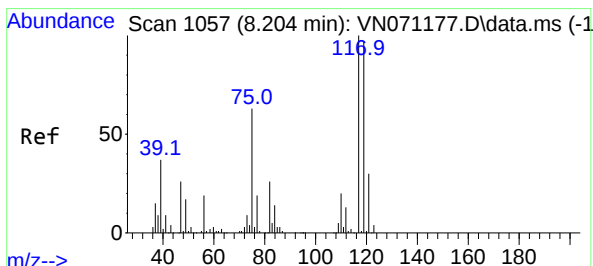
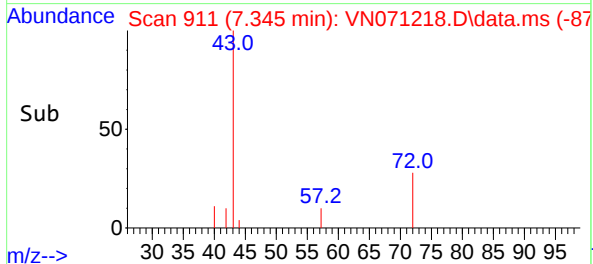
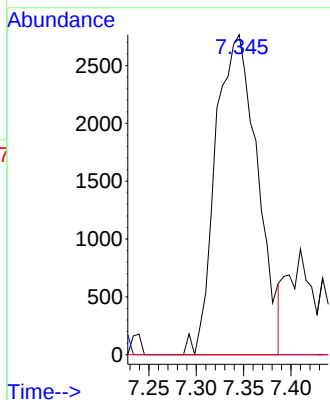


#37
Ethyl Acetate
Concen: 0.487 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.065 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :

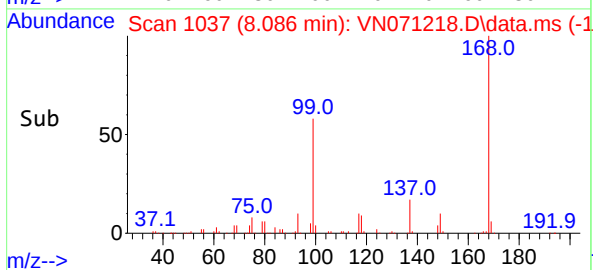
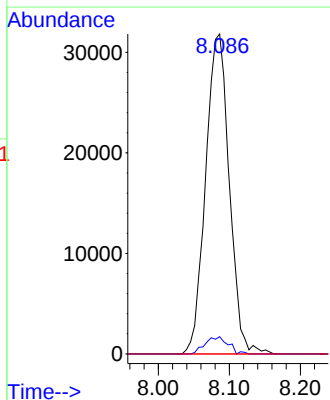
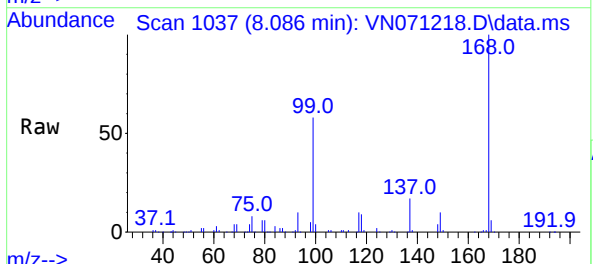


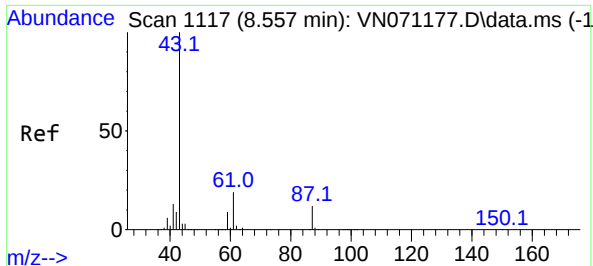
Tgt Ion: 43 Resp: 8500
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

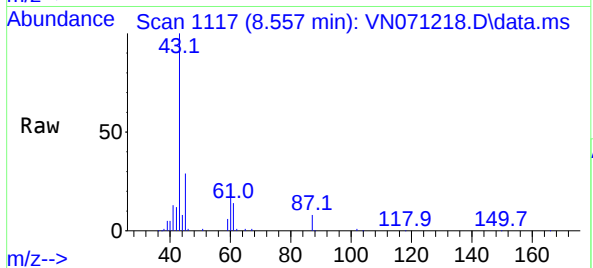
Tgt Ion: 117 Resp: 73733
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



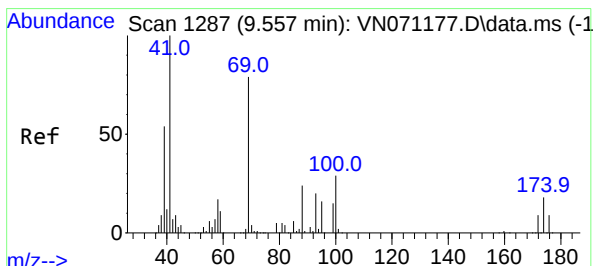
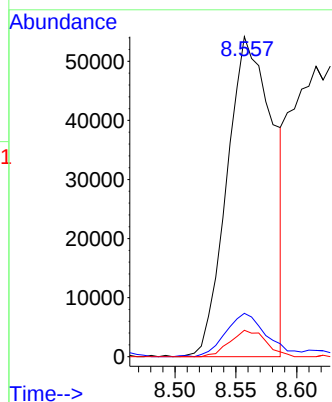
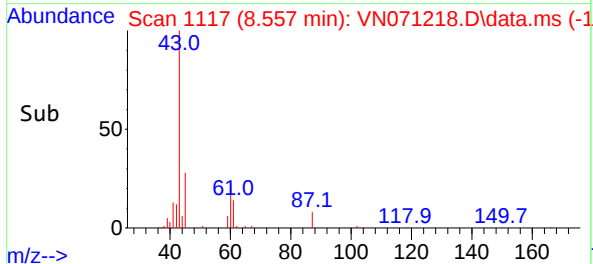


#43
Isopropyl Acetate
Concen: 5.458 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

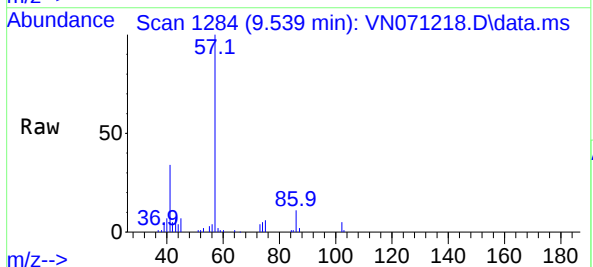
Instrument :
MSVOA_N
ClientSampleId :



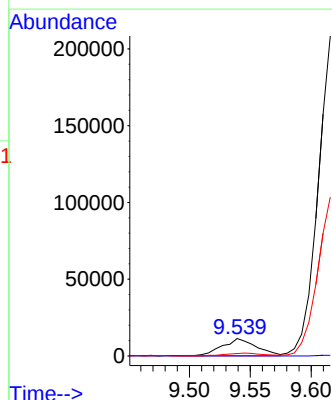
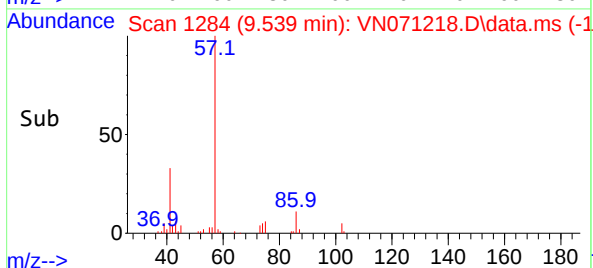
Tgt Ion: 43 Resp: 142414
Ion Ratio Lower Upper
43 100
61 12.2 20.4 30.6#
87 6.5 11.2 16.8#

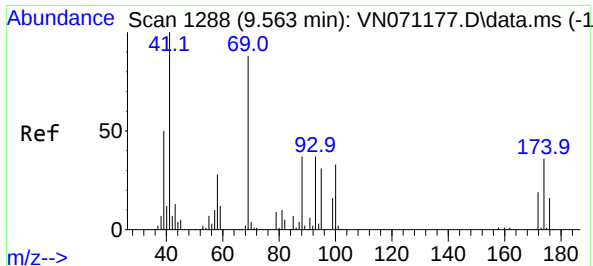


#48
Methyl methacrylate
Concen: 1.815 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33



Tgt Ion: 41 Resp: 21947
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#

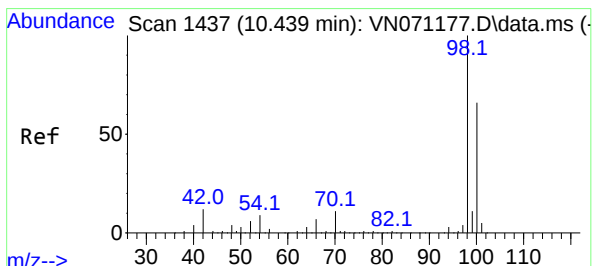
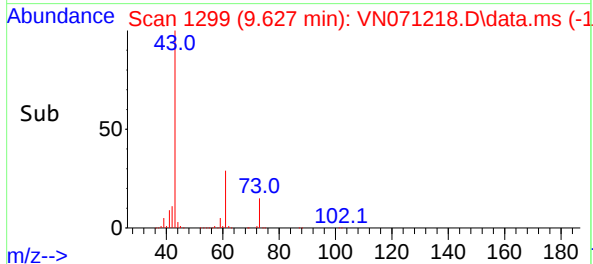
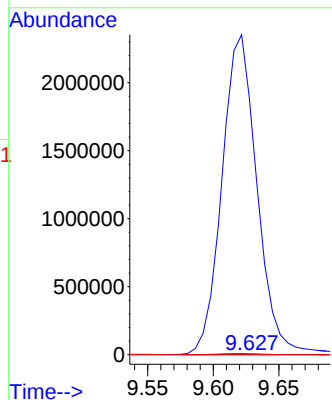
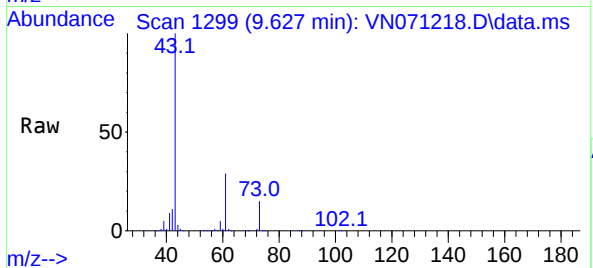




#49
1,4-Dioxane
Concen: 3.711 ug/l
RT: 9.627 min Scan# 1299
Delta R.T. 0.064 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

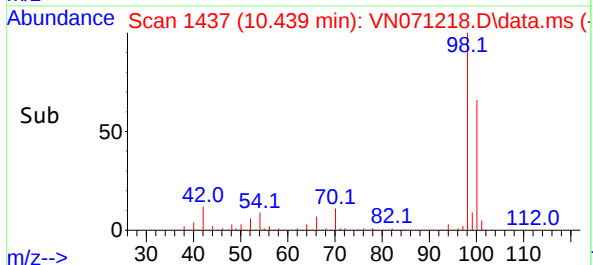
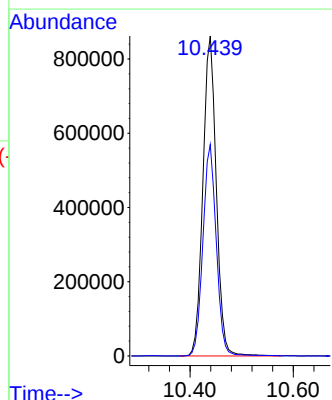
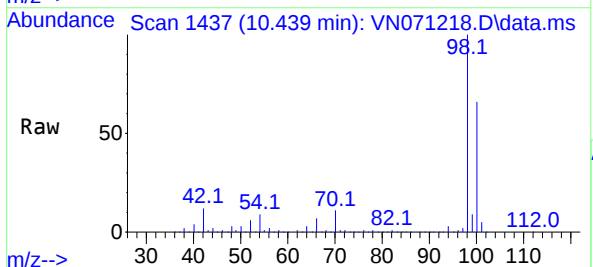
Instrument :
MSVOA_N
ClientSampleId :

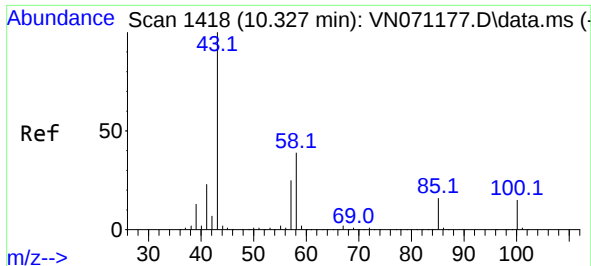
Tgt Ion: 88 Resp: 780
Ion Ratio Lower Upper
88 100
43 567404.2 23.4 35.2#
58 2483.6 50.6 75.8#



#50
Toluene-d8
Concen: 48.600 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Tgt Ion: 98 Resp: 1548448
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6

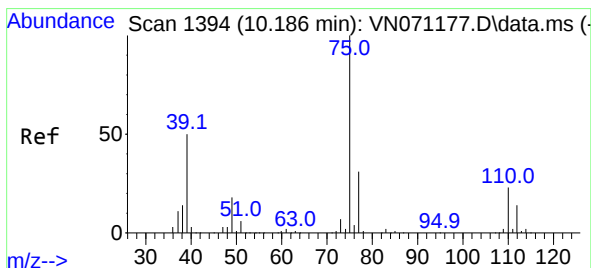
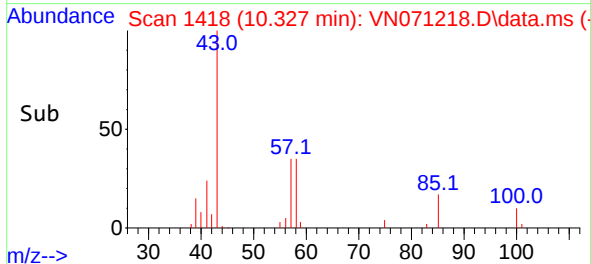
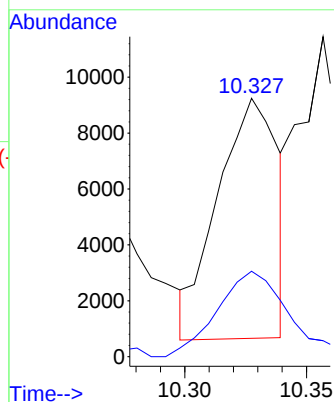
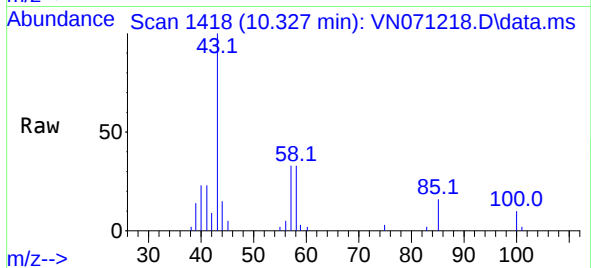




#51
4-Methyl-2-Pentanone
Concen: 0.915 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

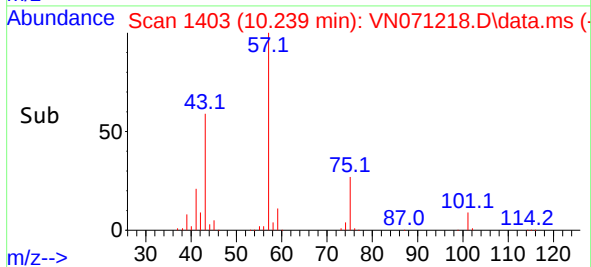
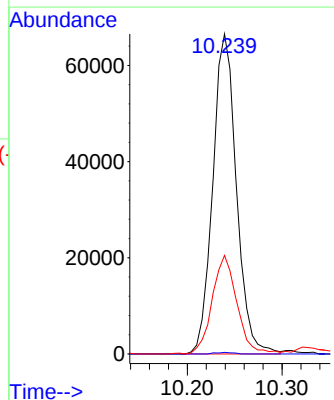
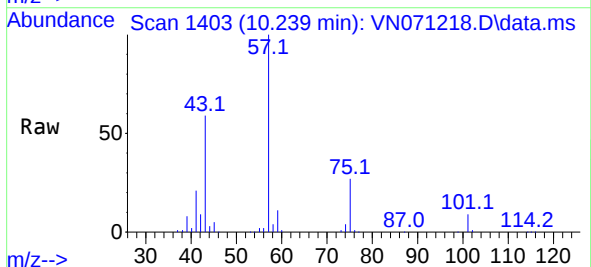
Instrument :
MSVOA_N
ClientSampleId :

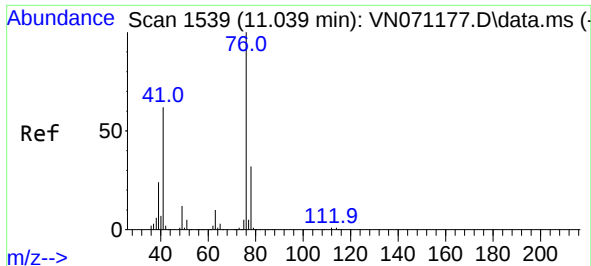
Tgt Ion: 43 Resp: 14815
Ion Ratio Lower Upper
43 100
58 42.1 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 7.521 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Tgt Ion: 75 Resp: 115540
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 30.6 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.223 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN071218.D

Acq: 09 Mar 2022 18:33

Instrument :

MSVOA_N

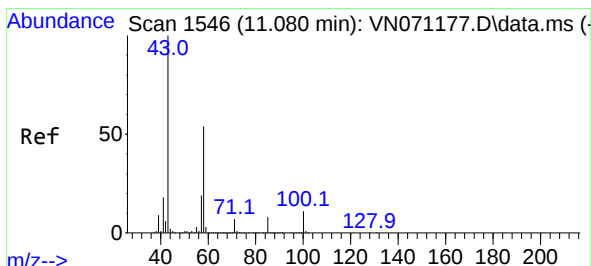
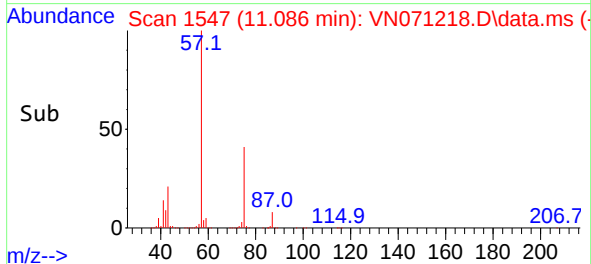
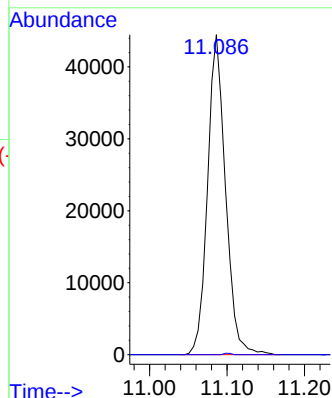
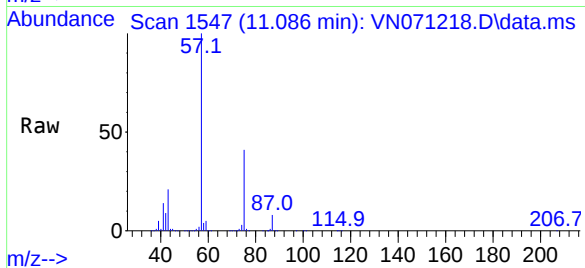
ClientSampleId :

Tgt Ion: 76 Resp: 71457

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 100.824 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071218.D

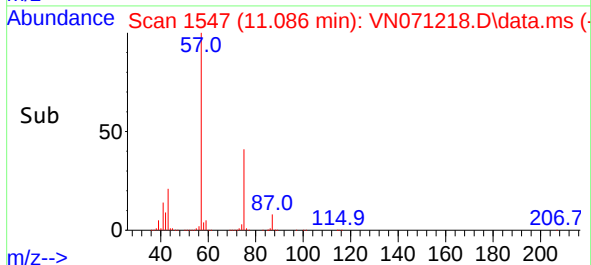
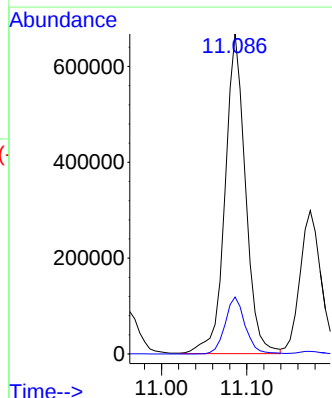
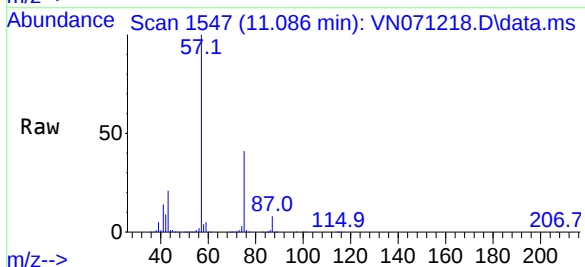
Acq: 09 Mar 2022 18:33

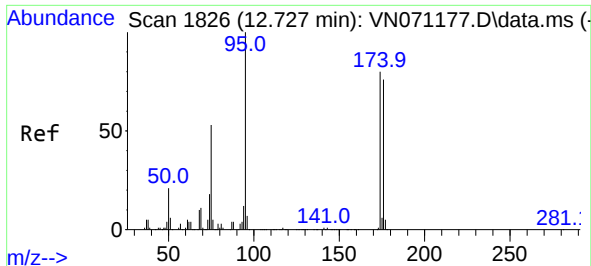
Tgt Ion: 43 Resp: 1114027

Ion Ratio Lower Upper

43 100

58 17.4 26.9 80.7#

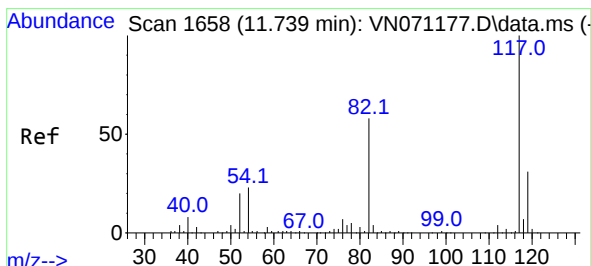
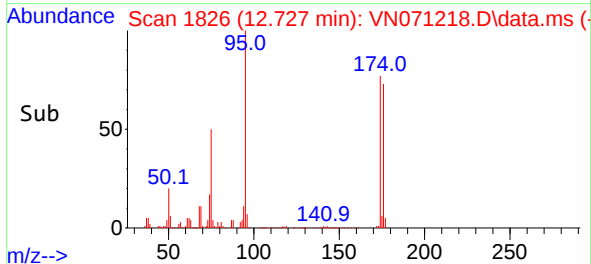
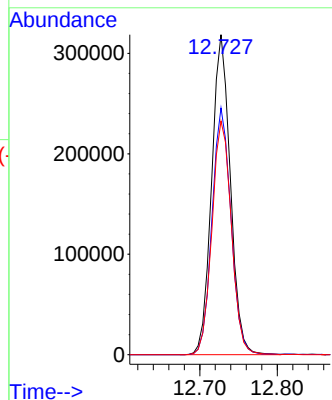
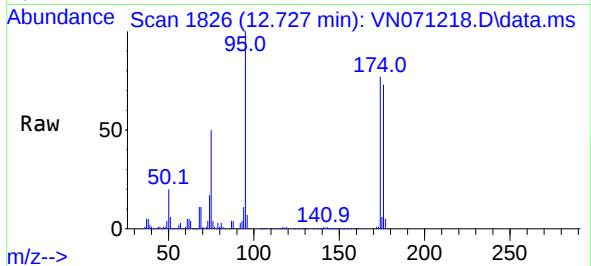




#62
4-Bromofluorobenzene
Concen: 49.428 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

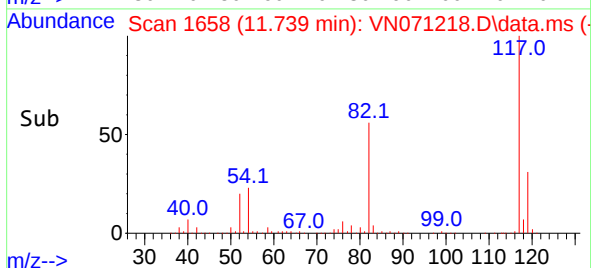
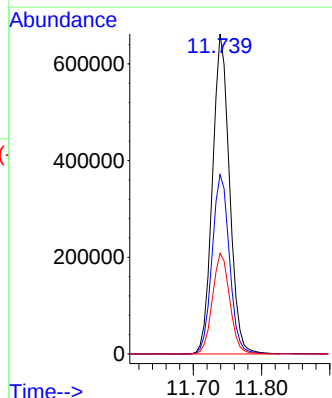
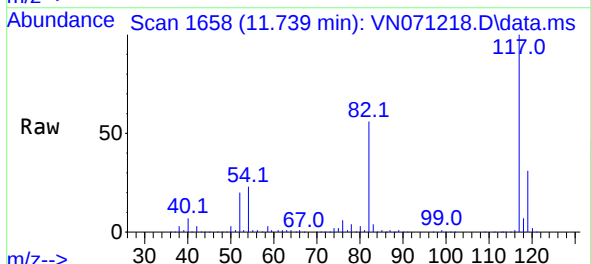
Instrument :
MSVOA_N
ClientSampleId :

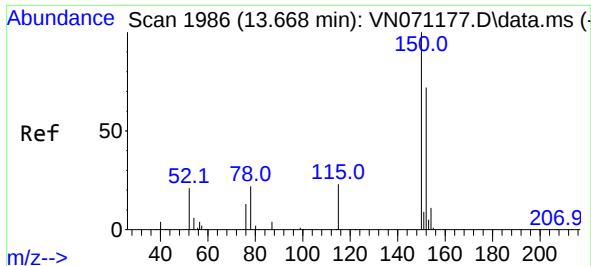
Tgt Ion: 95 Resp: 533279
Ion Ratio Lower Upper
95 100
174 78.4 0.0 187.2
176 75.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

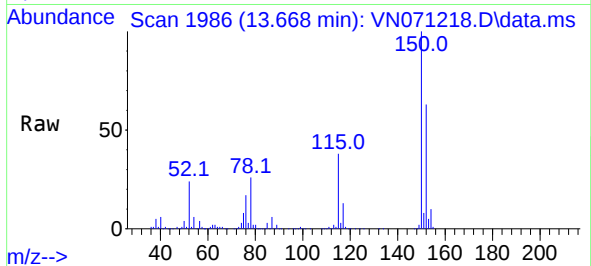
Tgt Ion: 117 Resp: 1150852
Ion Ratio Lower Upper
117 100
82 56.0 42.4 63.6
119 31.5 25.4 38.2



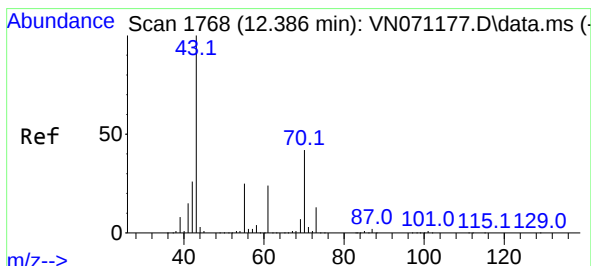
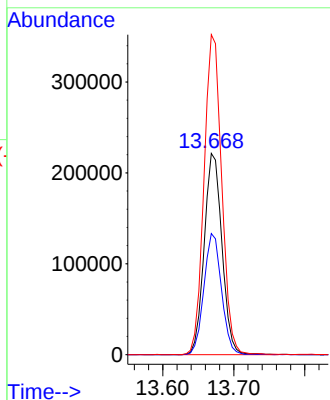
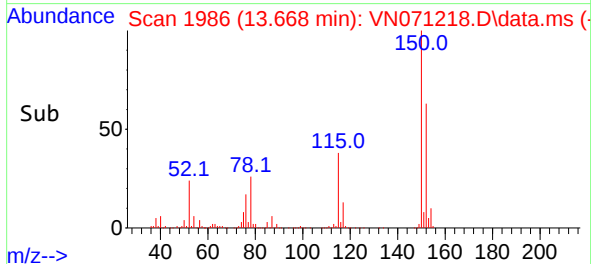


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

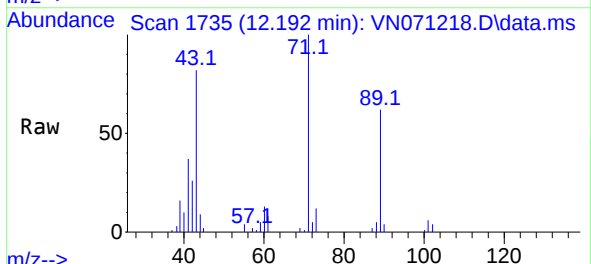
Instrument :
MSVOA_N
ClientSampleId :



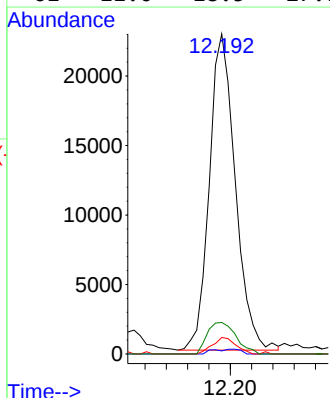
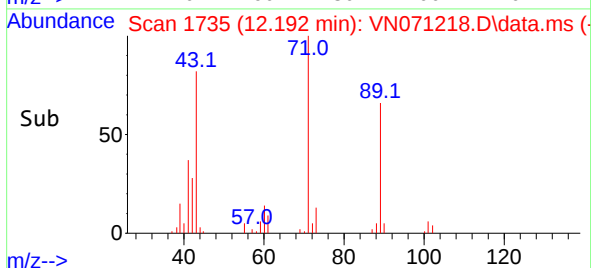
Tgt Ion:152 Resp: 385329
Ion Ratio Lower Upper
152 100
115 59.5 27.5 82.5
150 158.5 0.0 344.4

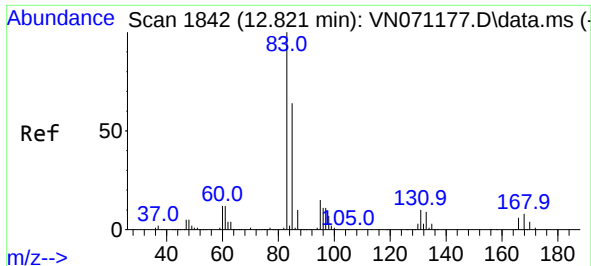


#74
N-ethyl acetate
Concen: 2.764 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.194 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33



Tgt Ion: 43 Resp: 38606
Ion Ratio Lower Upper
43 100
70 0.7 33.4 50.0#
55 4.7 19.3 28.9#
61 11.0 18.5 27.7#

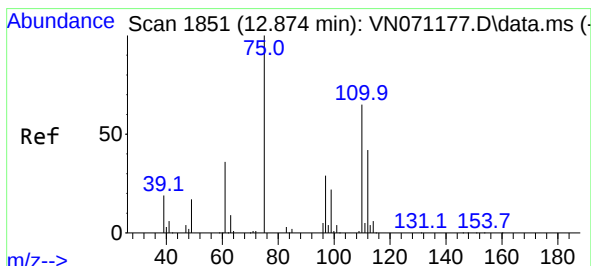
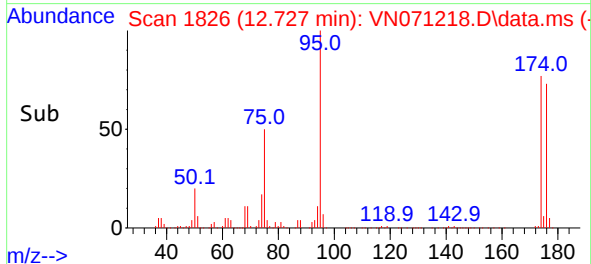
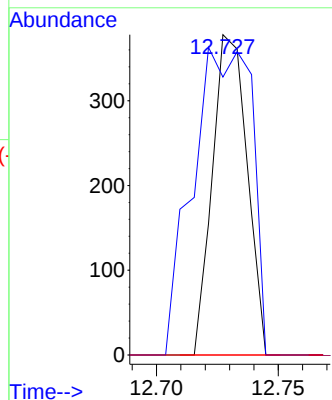
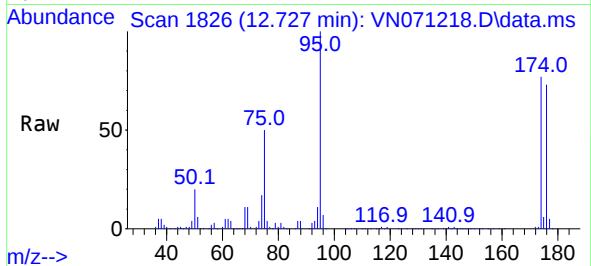




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

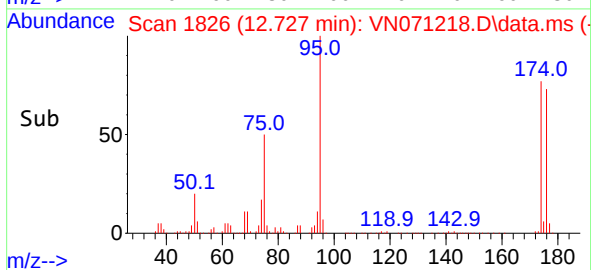
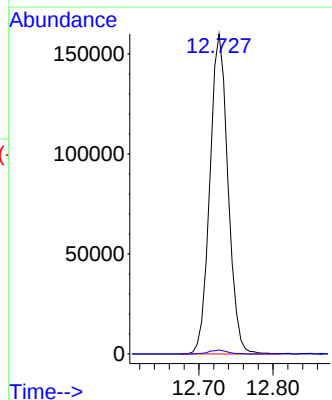
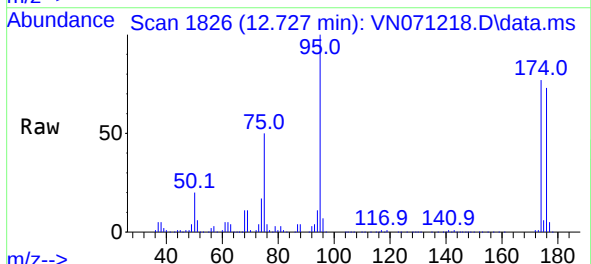
Instrument :
MSVOA_N
ClientSampleId :

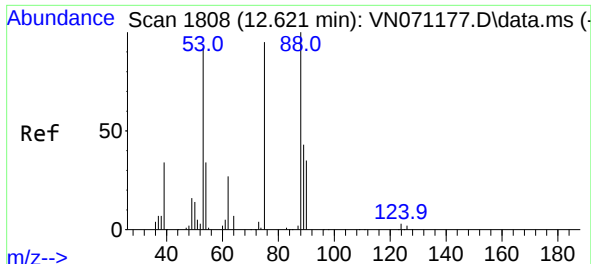
Tgt Ion: 83 Resp: 374
Ion Ratio Lower Upper
83 100
131 163.9 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.799 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

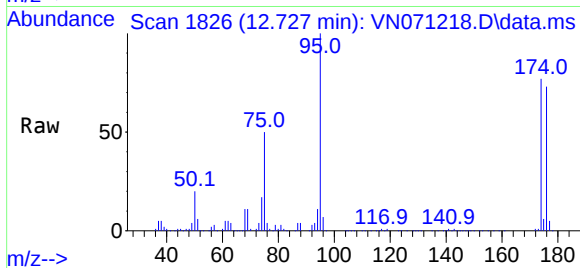
Tgt Ion: 75 Resp: 271321
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



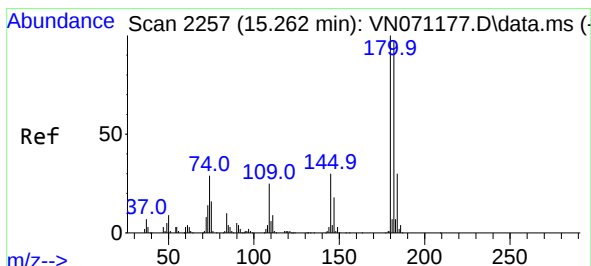
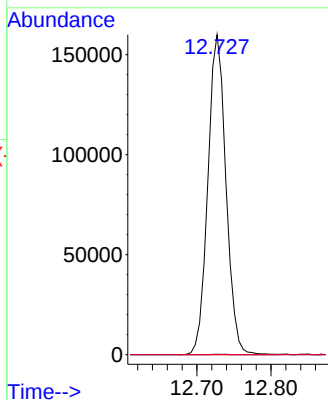
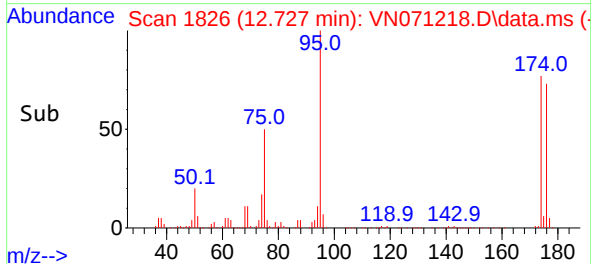


#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.116 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN071218.D
 Acq: 09 Mar 2022 18:33

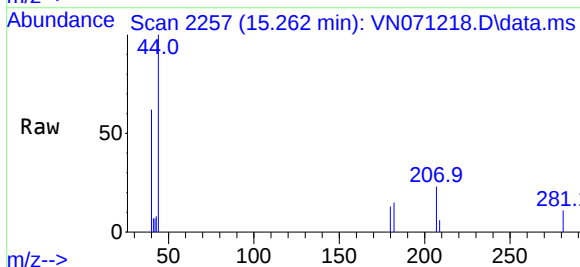
Instrument :
 MSVOA_N
 ClientSampleId :



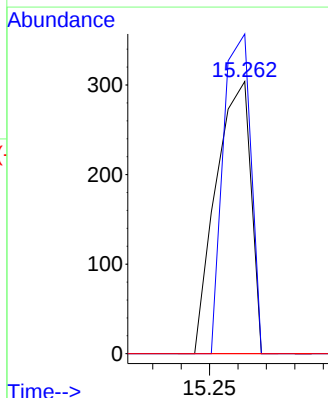
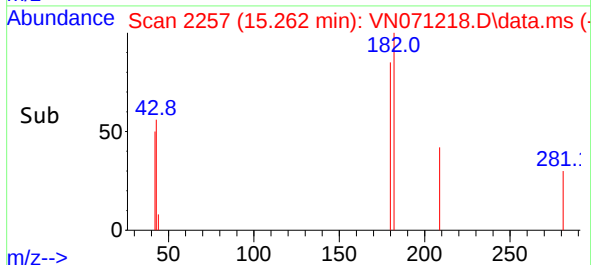
Tgt Ion: 75 Resp: 271321
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#

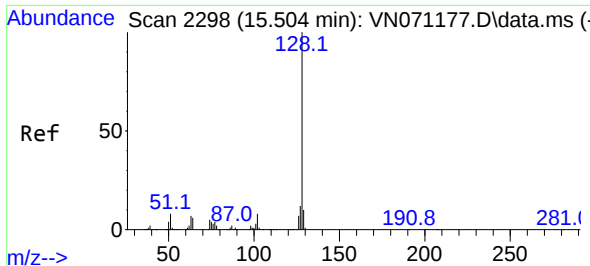


#93
 1,2,4-Trichlorobenzene
 Concen: 3.028 ug/l
 RT: 15.262 min Scan# 2257
 Delta R.T. 0.000 min
 Lab File: VN071218.D
 Acq: 09 Mar 2022 18:33



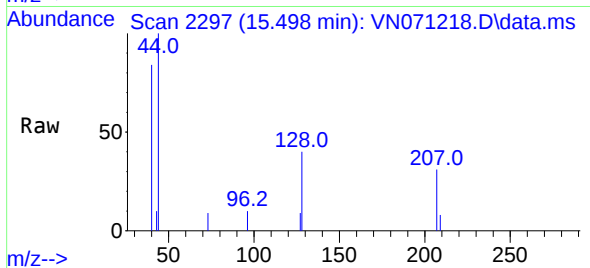
Tgt Ion:180 Resp: 259
 Ion Ratio Lower Upper
 180 100
 182 93.1 48.3 144.9
 145 0.0 14.5 43.5#



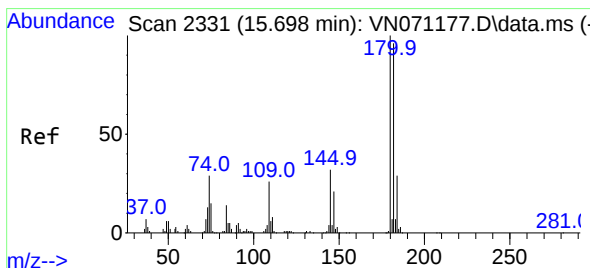
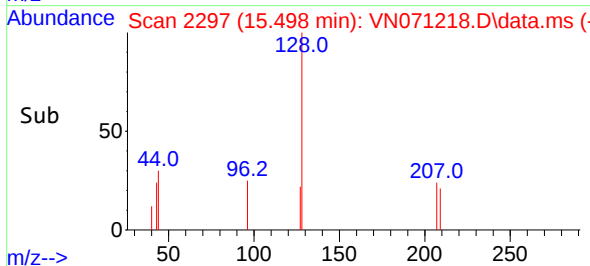
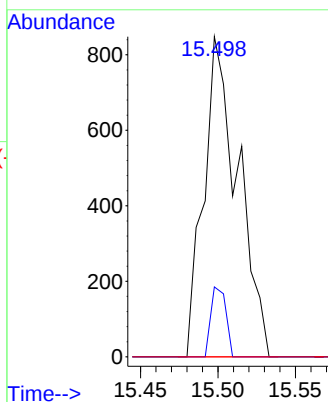


#95
Naphthalene
Concen: 5.134 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1304
Ion Ratio Lower Upper
128 100
127 9.5 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.765 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071218.D
Acq: 09 Mar 2022 18:33

Tgt Ion:180 Resp: 210
Ion Ratio Lower Upper
180 100
182 30.0 47.4 142.2#
145 0.0 15.0 45.1#

