

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071219.D
 Acq On : 09 Mar 2022 18:57
 Operator : JC\MD
 Sample : PB143182ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:59:10 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)

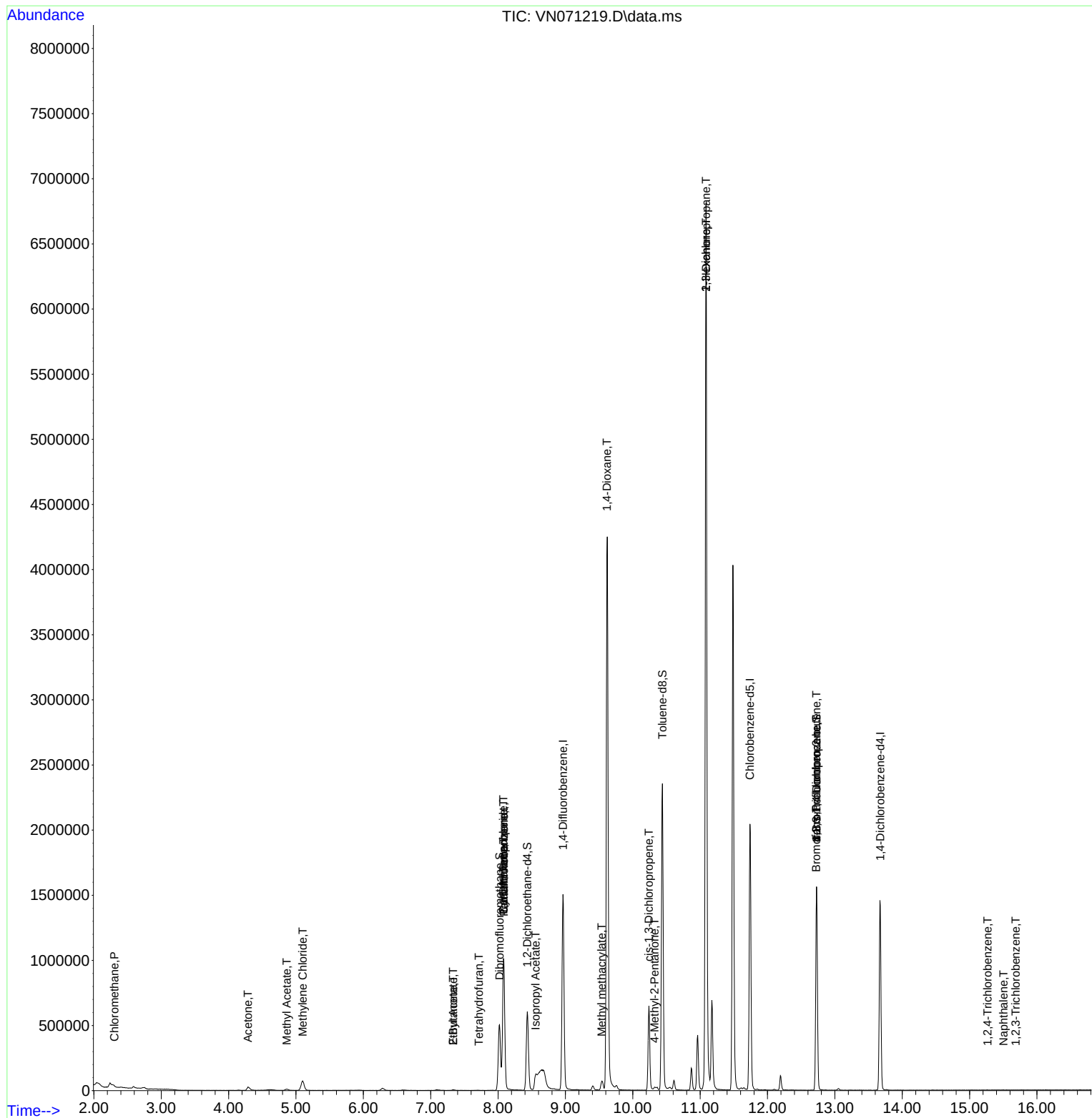
Internal Standards						
1) Pentafluorobenzene	8.086	168	784185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1310378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1196831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	404411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	503360	46.835	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.660%		
35) Dibromofluoromethane	8.022	113	379485	45.893	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.780%		
50) Toluene-d8	10.439	98	1603860	48.174	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.727	95	559584	49.635	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.280%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	3097	0.234	ug/l #	83
5) Bromomethane	2.863	94	645	Below Cal		87
16) Acetone	4.287	43	47923	9.164	ug/l	100
18) Methyl Acetate	4.863	43	21258	1.969	ug/l	95
20) Methylene Chloride	5.098	84	57561	6.358	ug/l	93
25) 2-Butanone	7.333	43	9157	1.087	ug/l #	83
29) Tetrahydrofuran	7.716	42	1434	0.246	ug/l #	32
31) Cyclohexane	8.080	56	17268	1.006	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	62113	4.688	ug/l #	48
37) Ethyl Acetate	7.333	43	9157	0.502	ug/l #	68
38) Carbon Tetrachloride	8.080	117	78173	6.100	ug/l #	16
43) Isopropyl Acetate	8.557	43	151807	5.568	ug/l #	75
48) Methyl methacrylate	9.539	41	20467	1.620	ug/l #	8
49) 1,4-Dioxane	9.616	88	732	3.333	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	15205	0.899	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	115742	7.210	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	71847	4.064	ug/l #	43
59) 2-Hexanone	11.086	43	1100914	95.352	ug/l #	49
71) Bromoform	12.721	173	2402	0.336	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	392	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	284285	27.748	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	284285	75.990	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	264	3.027	ug/l #	35
95) Naphthalene	15.504	128	944	5.113	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.686	180	89	2.745	ug/l #	12

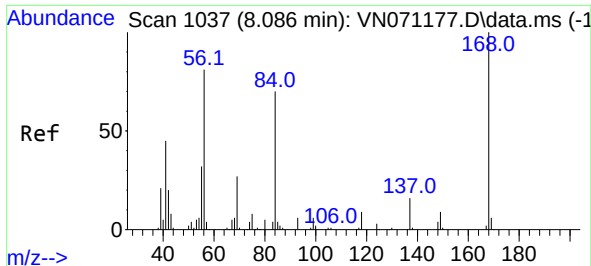
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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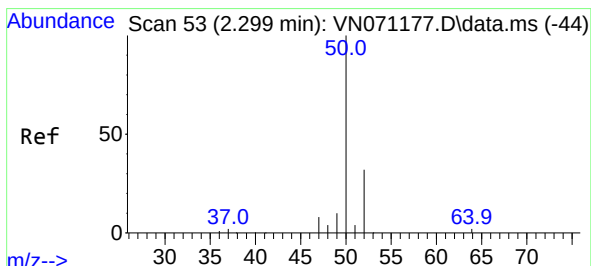
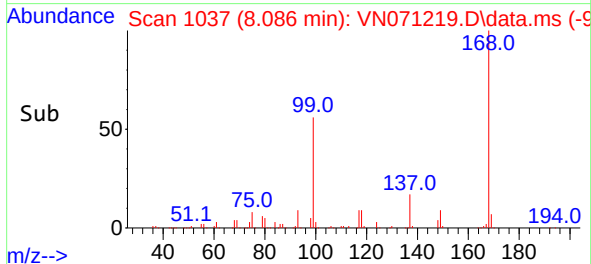
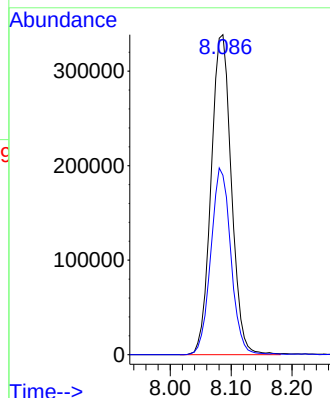
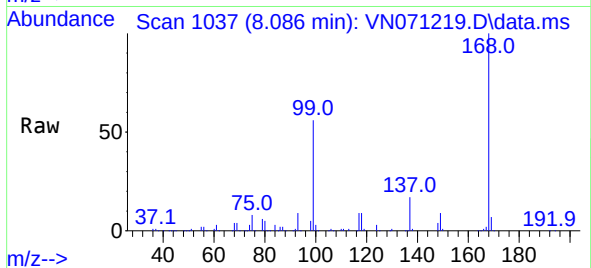




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

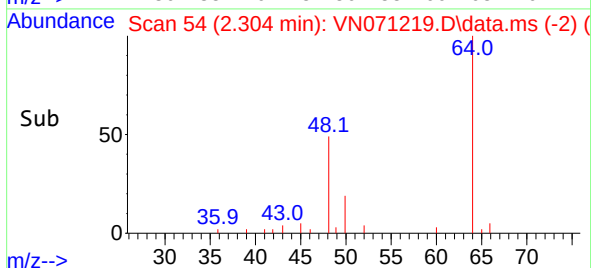
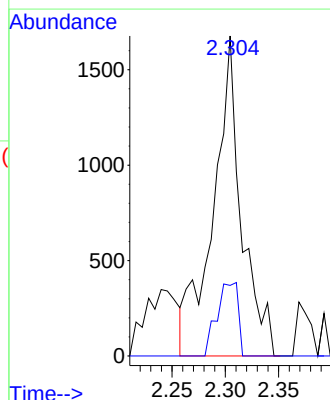
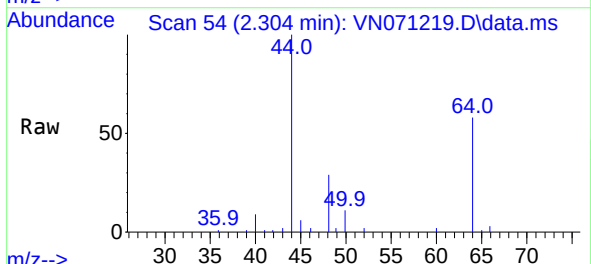
Instrument :
MSVOA_N
ClientSampleId :

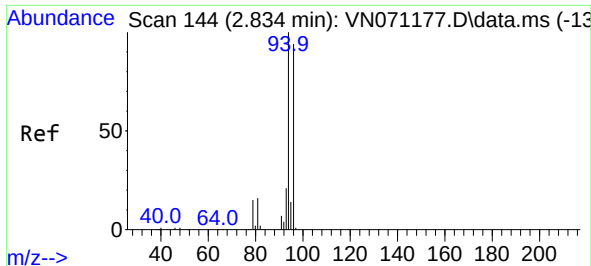
Tgt Ion:168 Resp: 784185
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 50 Resp: 3097
Ion Ratio Lower Upper
50 100
52 22.1 25.4 38.0#

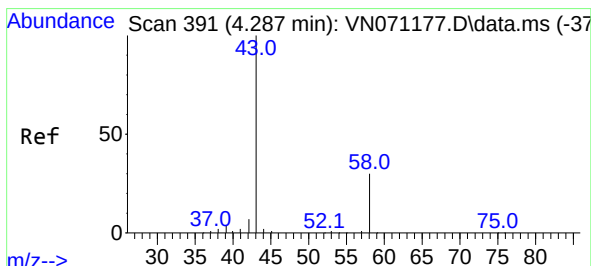
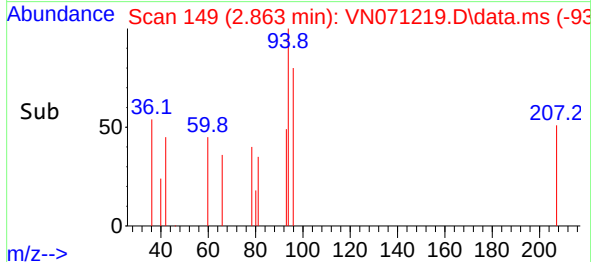
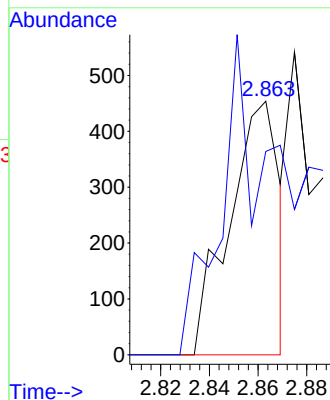
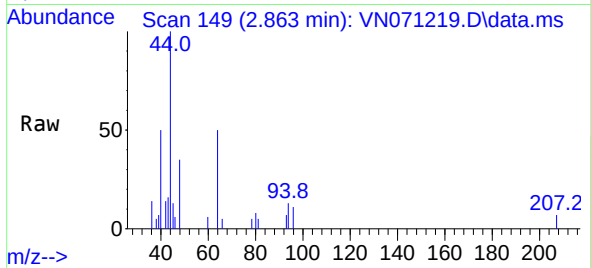




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 144
Delta R.T. 0.029 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

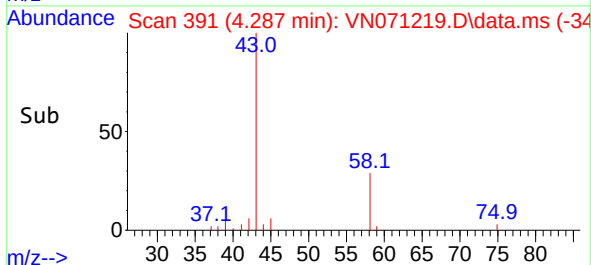
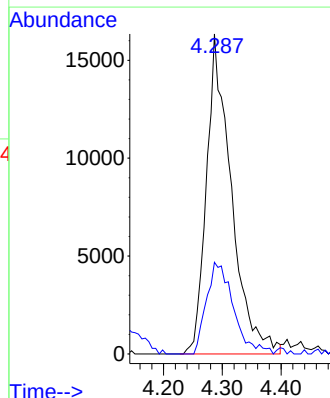
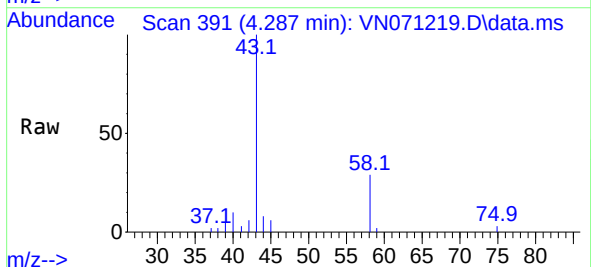
Instrument :
MSVOA_N
ClientSampleId :

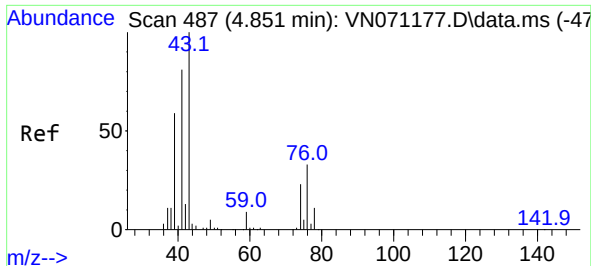
Tgt Ion: 94 Resp: 645
Ion Ratio Lower Upper
94 100
96 80.2 73.8 110.8



#16
Acetone
Concen: 9.164 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 43 Resp: 47923
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7

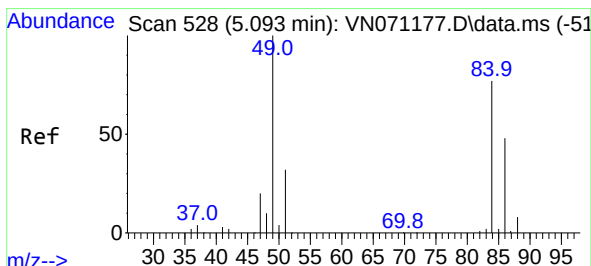
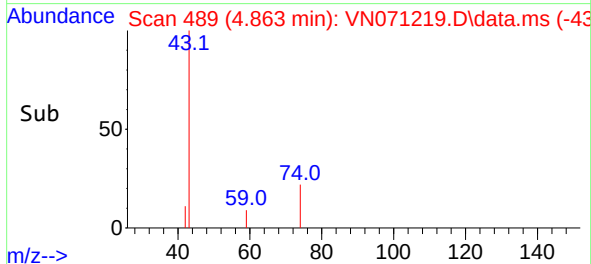
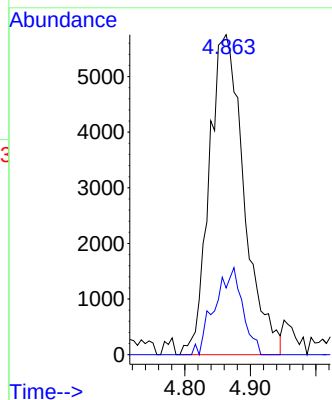
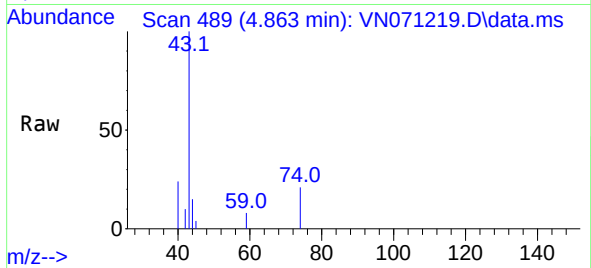




#18
Methyl Acetate
Concen: 1.969 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

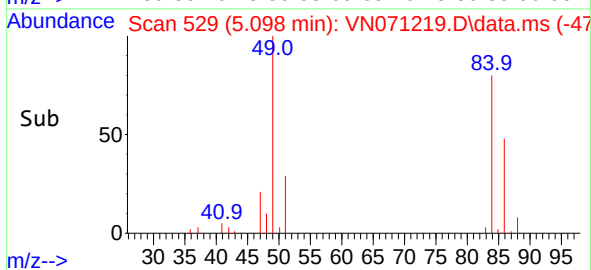
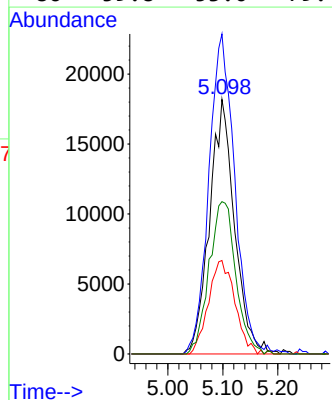
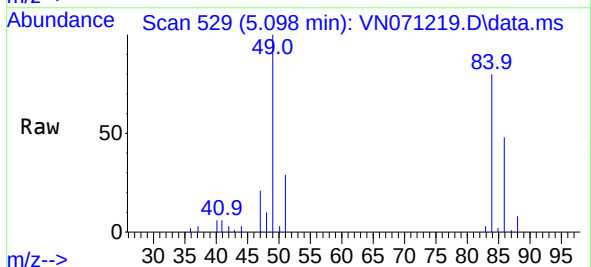
Instrument :
MSVOA_N
ClientSampleId :

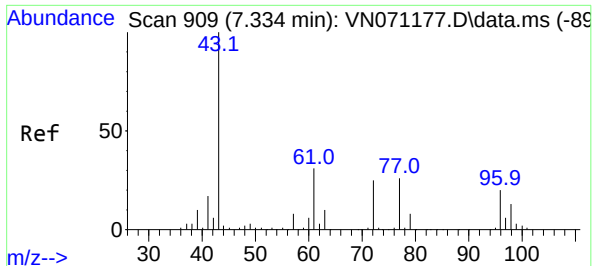
Tgt Ion: 43 Resp: 21258
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2



#20
Methylene Chloride
Concen: 6.358 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 84 Resp: 57561
Ion Ratio Lower Upper
84 100
49 125.7 93.5 140.3
51 36.7 29.4 44.2
86 59.8 53.0 79.4





#25

2-Butanone

Concen: 1.087 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.000 min

Lab File: VN071219.D

Acq: 09 Mar 2022 18:57

Instrument :

MSVOA_N

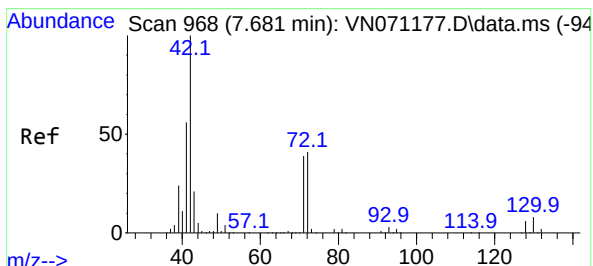
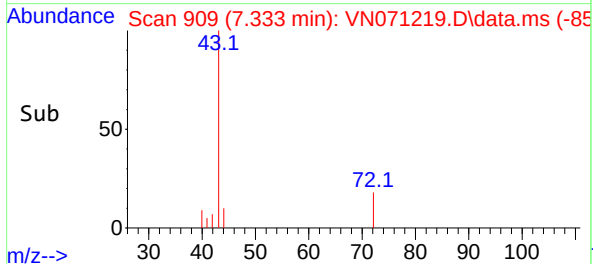
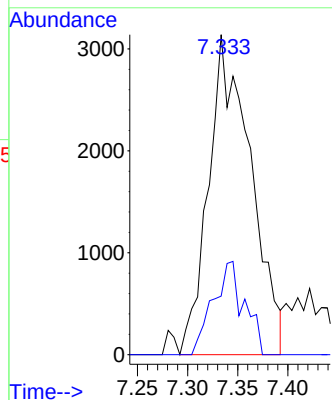
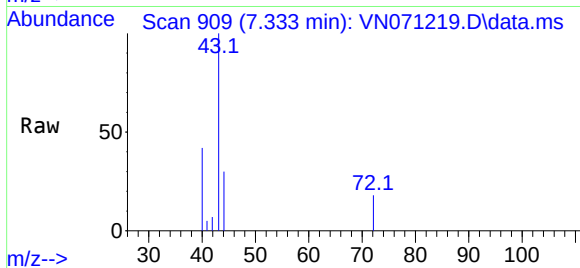
ClientSampleId :

Tgt Ion: 43 Resp: 9157

Ion Ratio Lower Upper

43 100

72 18.3 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 7.716 min Scan# 974

Delta R.T. 0.035 min

Lab File: VN071219.D

Acq: 09 Mar 2022 18:57

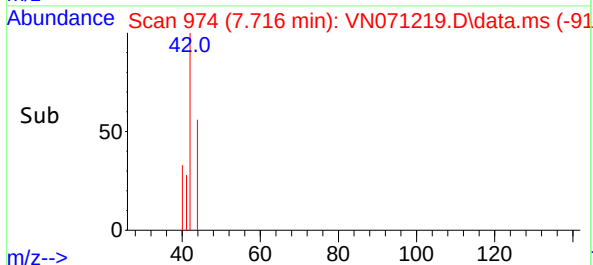
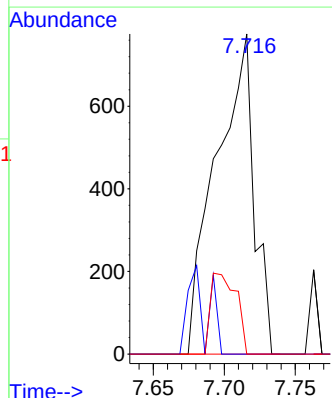
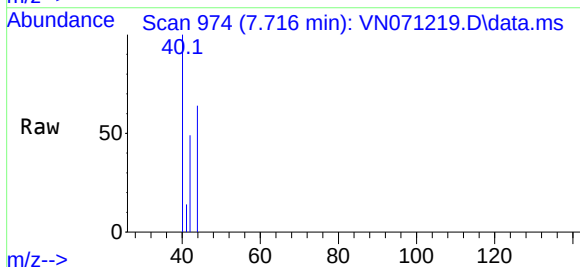
Tgt Ion: 42 Resp: 1434

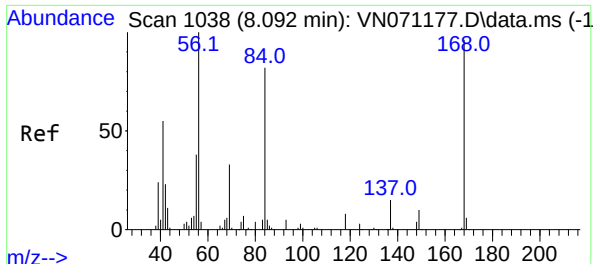
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 0.0 34.7 52.1#





#31

Cyclohexane

Concen: 1.006 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071219.D

Acq: 09 Mar 2022 18:57

Instrument :

MSVOA_N

ClientSampleId :

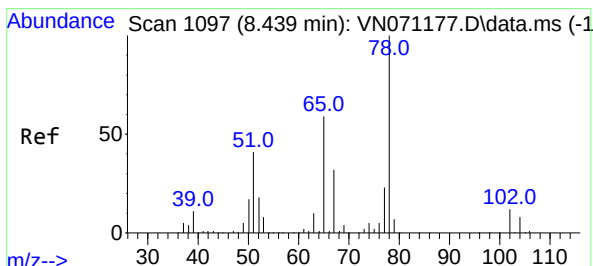
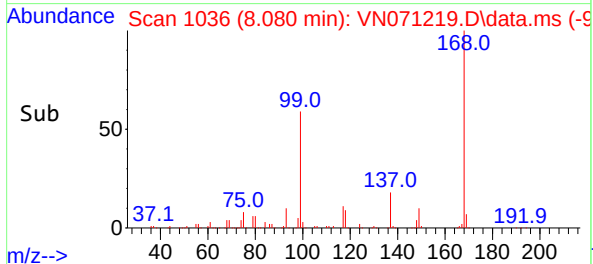
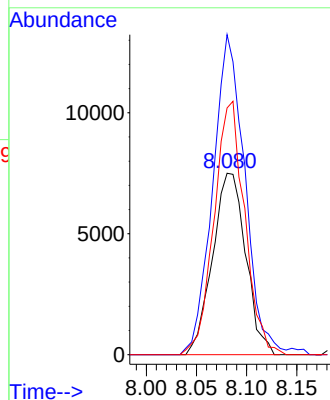
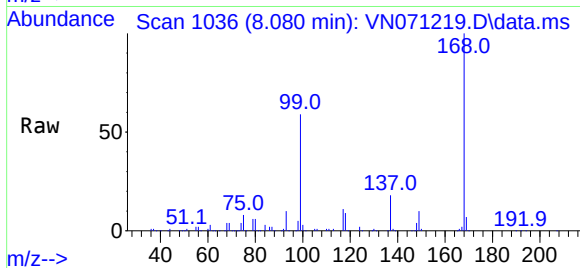
Tgt Ion: 56 Resp: 17268

Ion Ratio Lower Upper

56 100

69 176.4 27.1 40.7#

84 136.0 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.835 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071219.D

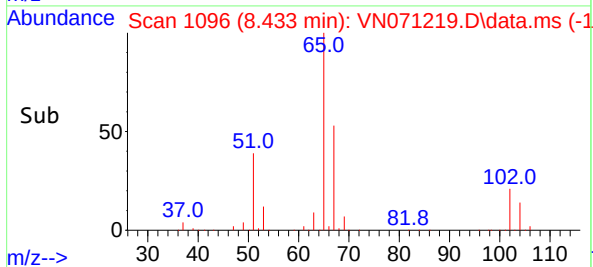
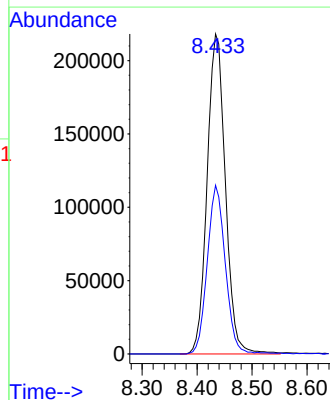
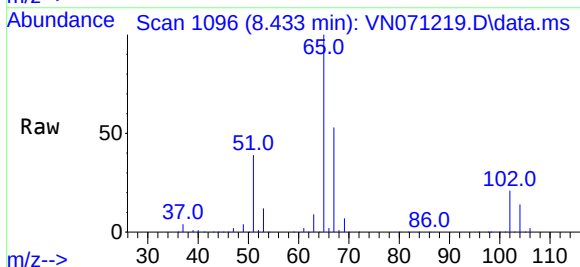
Acq: 09 Mar 2022 18:57

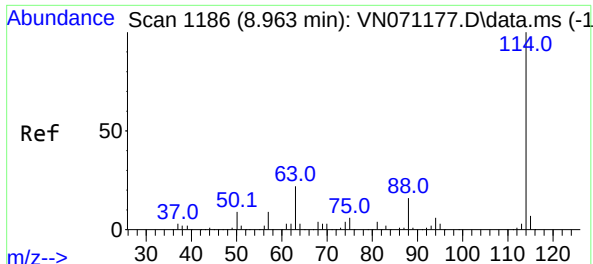
Tgt Ion: 65 Resp: 503360

Ion Ratio Lower Upper

65 100

67 52.2 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: VN071219.D

Acq: 09 Mar 2022 18:57

Instrument :

MSVOA_N

ClientSampleId :

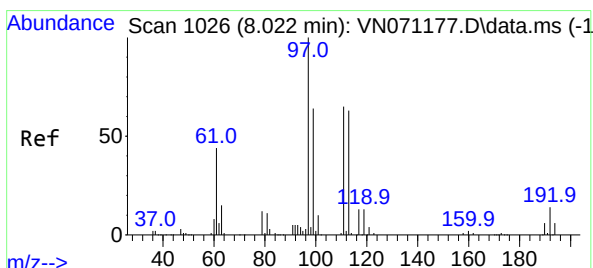
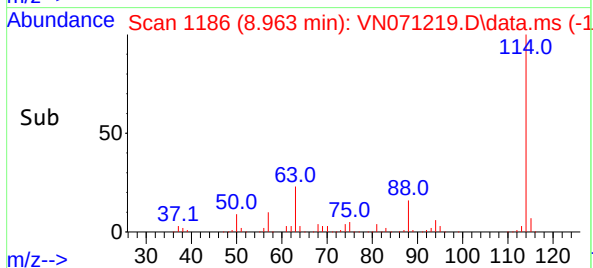
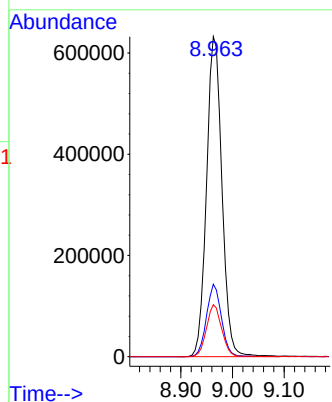
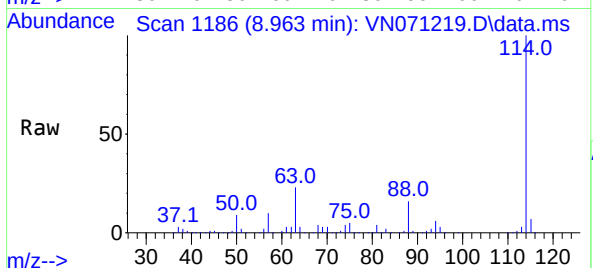
Tgt Ion:114 Resp: 1310378

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

88 16.3 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.893 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN071219.D

Acq: 09 Mar 2022 18:57

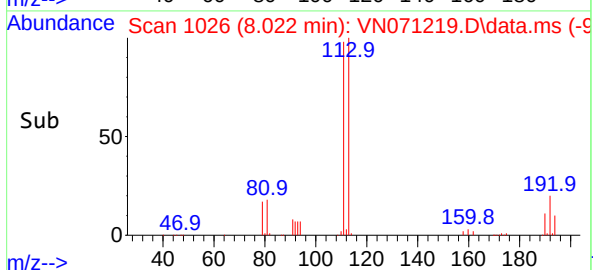
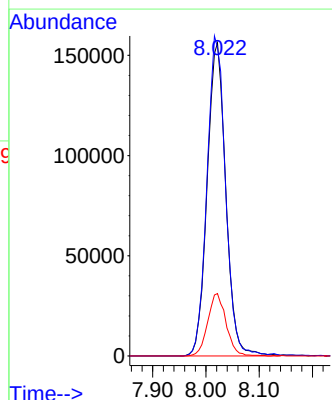
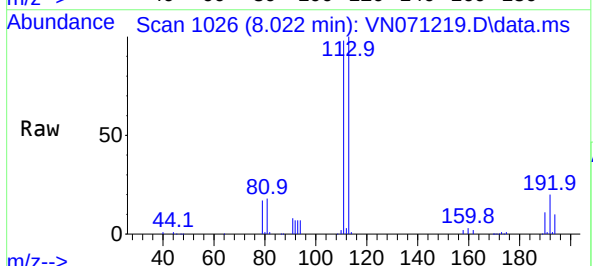
Tgt Ion:113 Resp: 379485

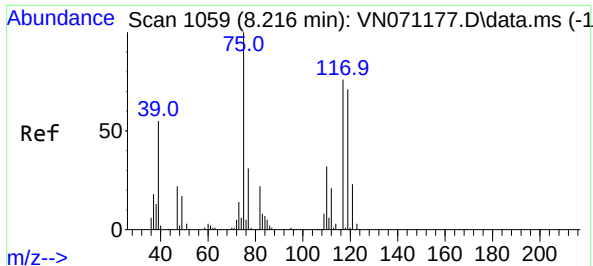
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

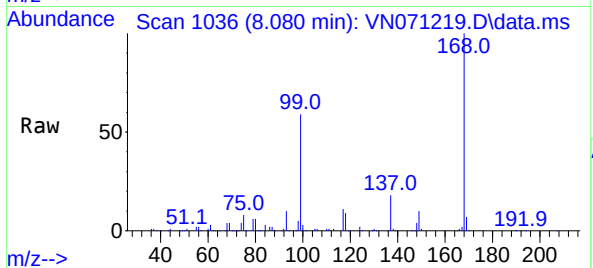
192 19.7 16.9 25.3



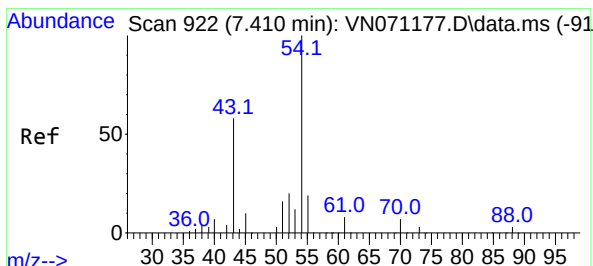
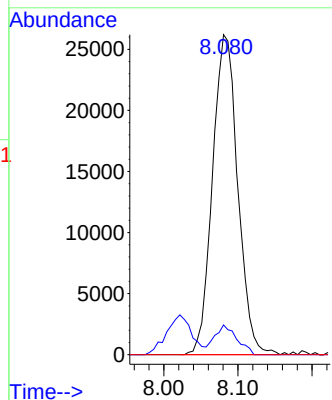
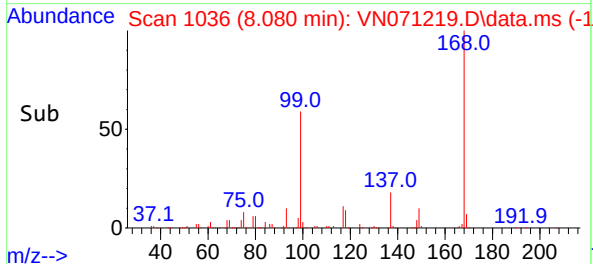


#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 8.080 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :

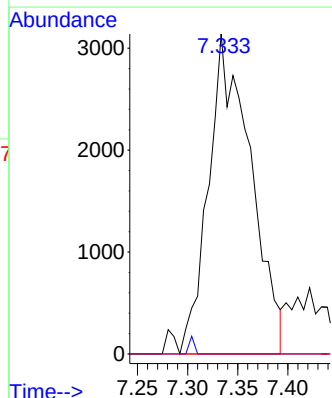
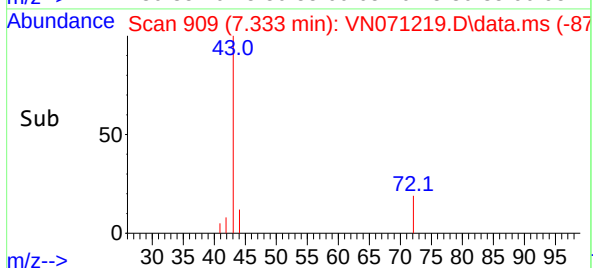
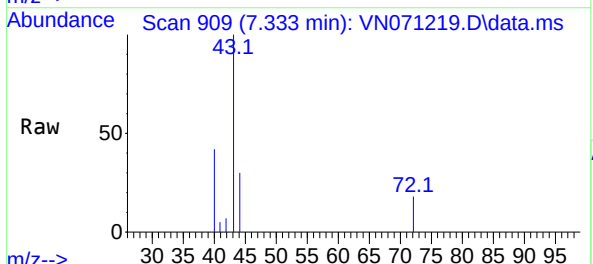


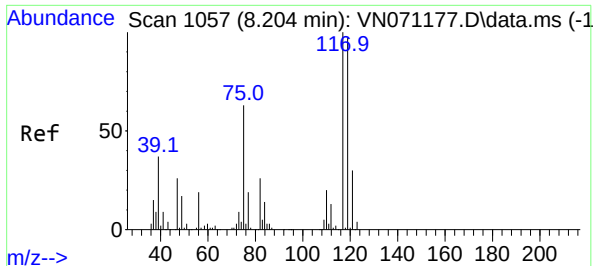
Tgt Ion: 75 Resp: 62113
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.502 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.077 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

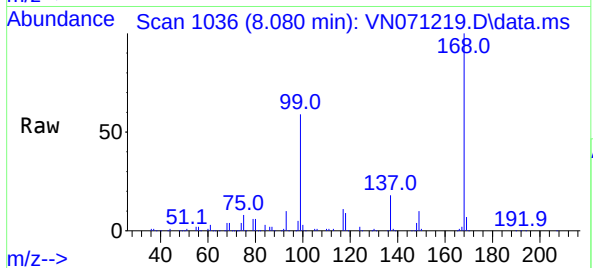
Tgt Ion: 43 Resp: 9157
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



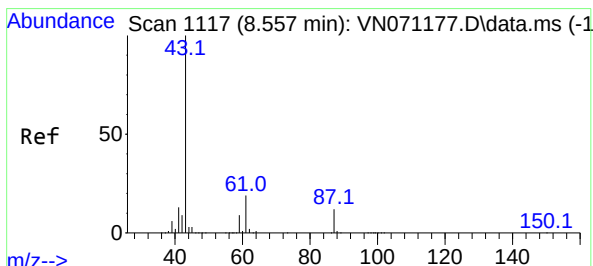
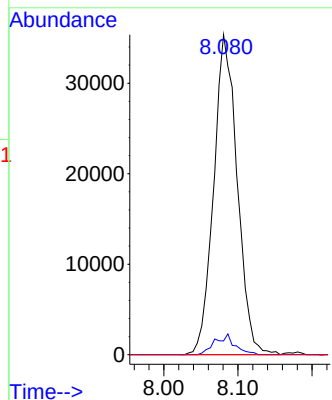
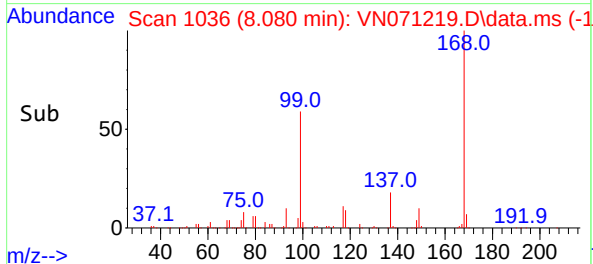


#38
Carbon Tetrachloride
Concen: 6.100 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Instrument :
MSVOA_N
ClientSampleId :

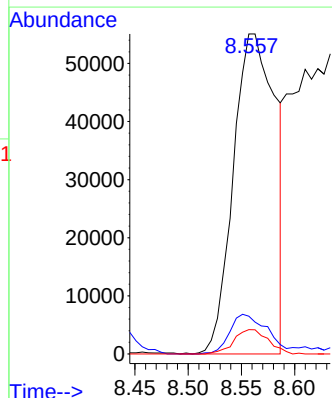
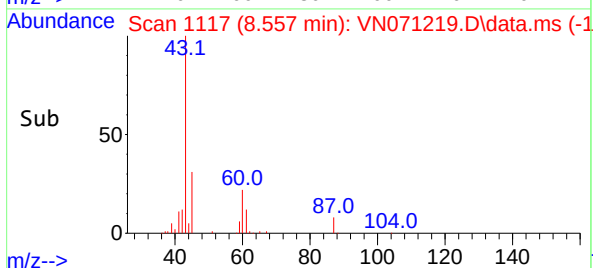
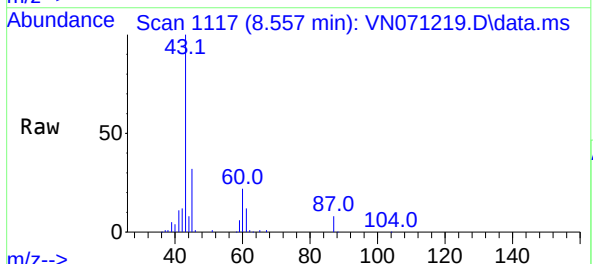


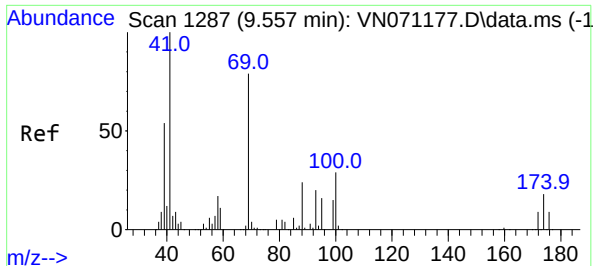
Tgt Ion:117 Resp: 78173
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.568 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 43 Resp: 151807
Ion Ratio Lower Upper
43 100
61 11.4 20.4 30.6#
87 6.2 11.2 16.8#

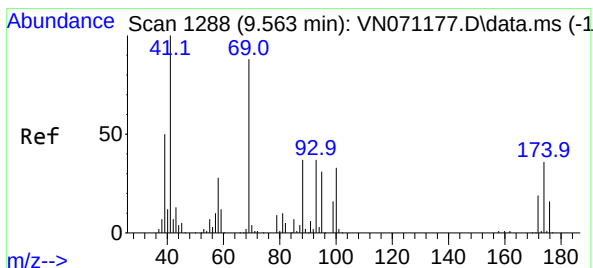
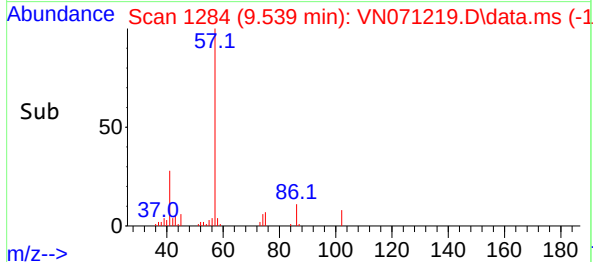
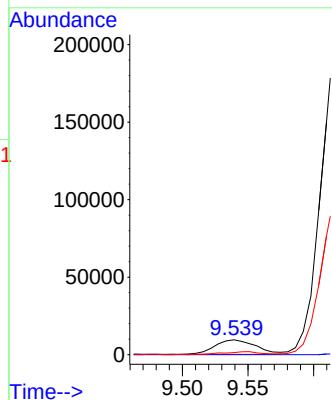
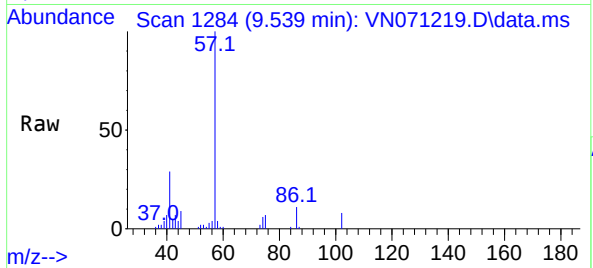




#48
Methyl methacrylate
Concen: 1.620 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

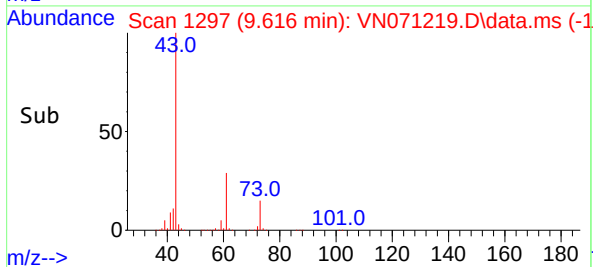
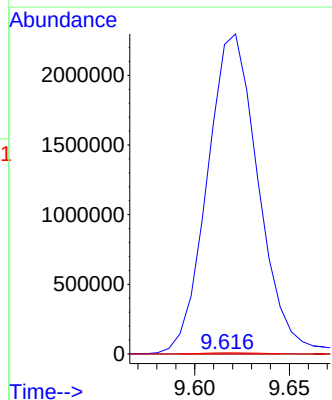
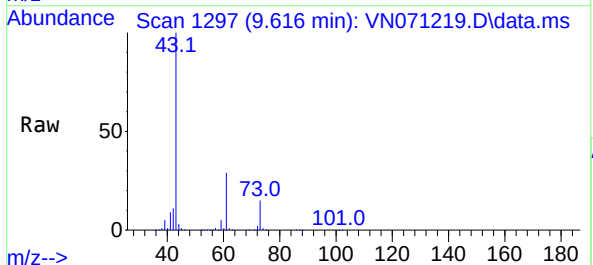
Instrument :
MSVOA_N
ClientSampleId :

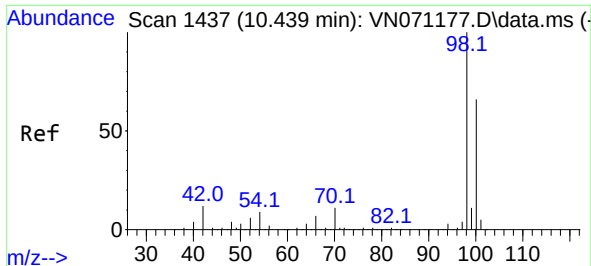
Tgt Ion: 41 Resp: 20467
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.333 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 88 Resp: 732
Ion Ratio Lower Upper
88 100
43 601303.8 23.4 35.2#
58 2428.0 50.6 75.8#

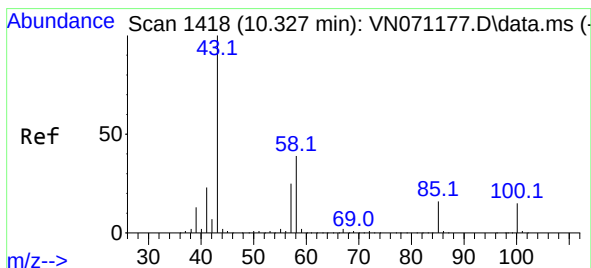
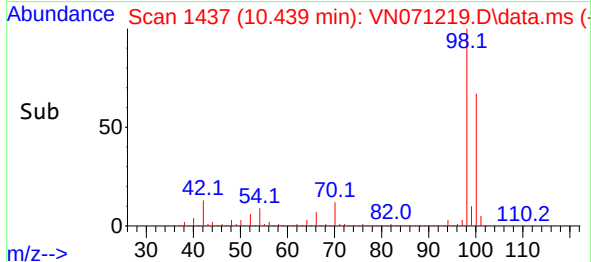
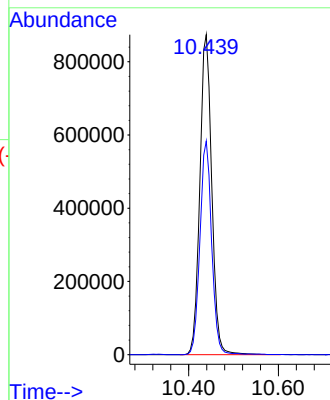
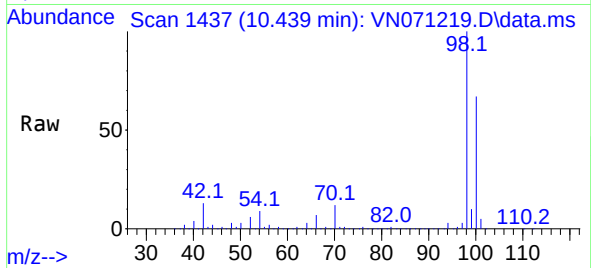




#50
Toluene-d8
Concen: 48.174 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

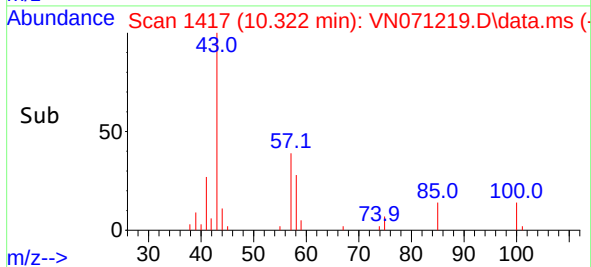
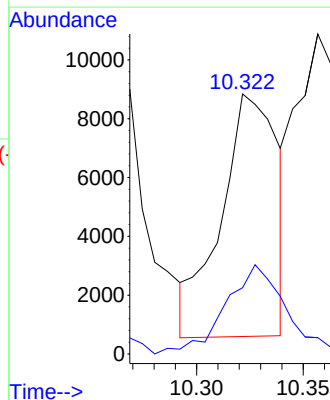
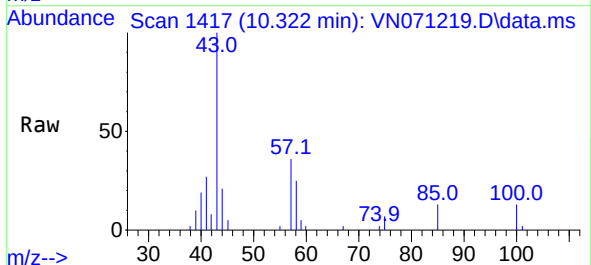
Instrument :
MSVOA_N
ClientSampleId :

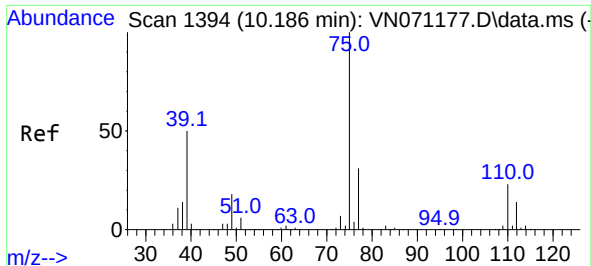
Tgt Ion: 98 Resp: 1603860
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.899 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.005 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 43 Resp: 15205
Ion Ratio Lower Upper
43 100
58 39.7 30.4 45.6

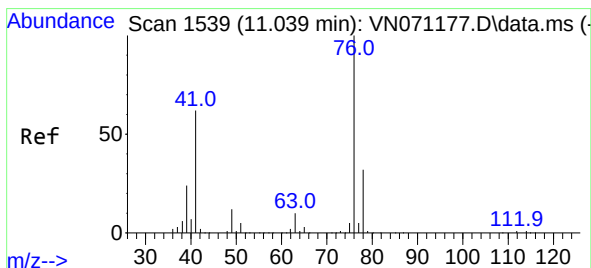
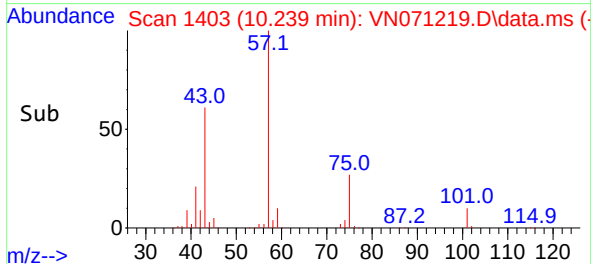
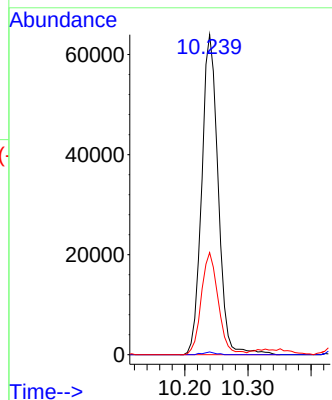
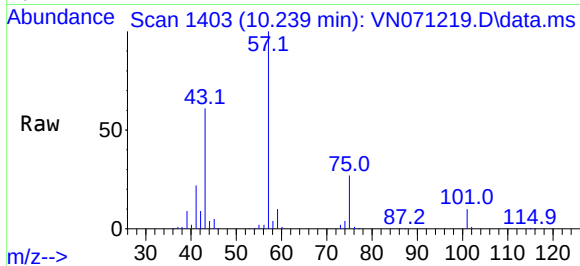




#54
cis-1,3-Dichloropropene
Concen: 7.210 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

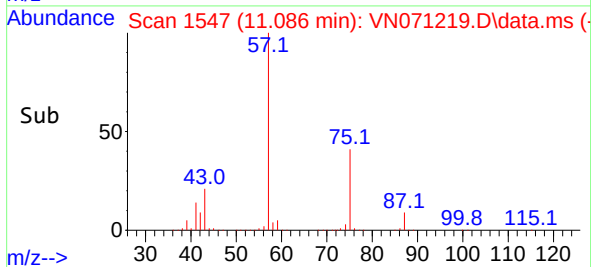
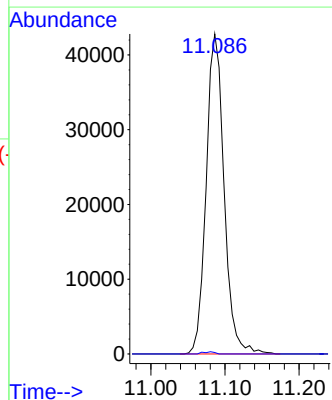
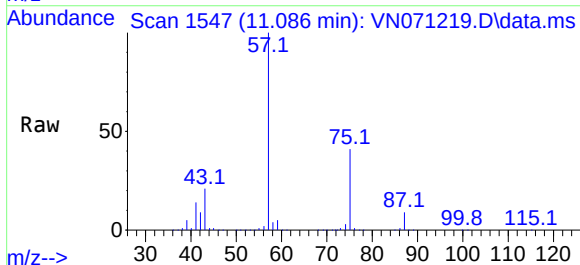
Instrument :
MSVOA_N
ClientSampleId :

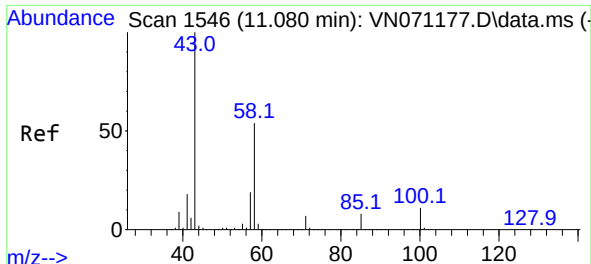
Tgt Ion: 75 Resp: 115742
Ion Ratio Lower Upper
75 100
77 0.8 26.4 39.6#
39 31.9 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.064 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 76 Resp: 71847
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

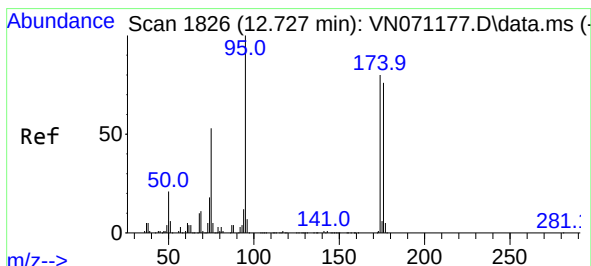
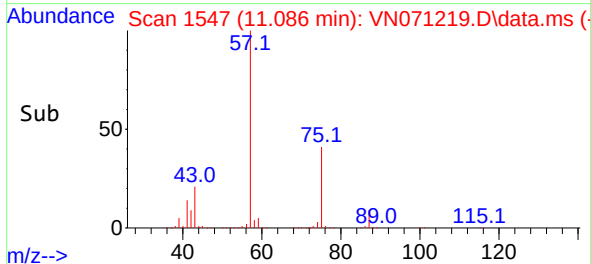
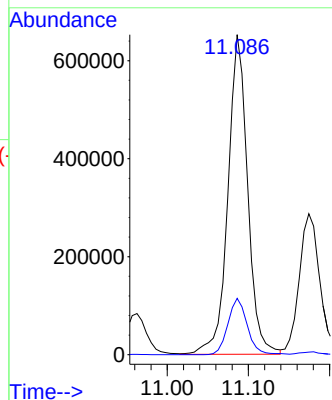
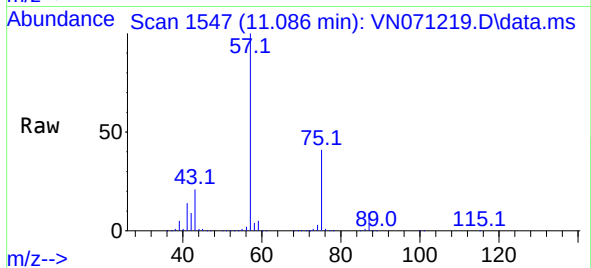




#59
2-Hexanone
Concen: 95.352 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

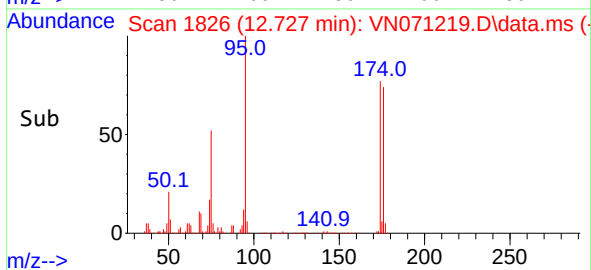
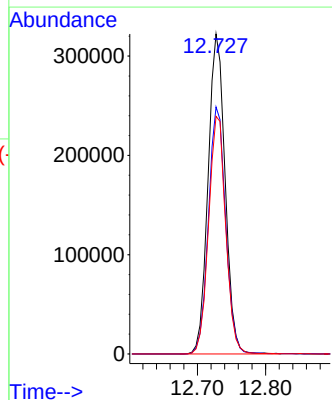
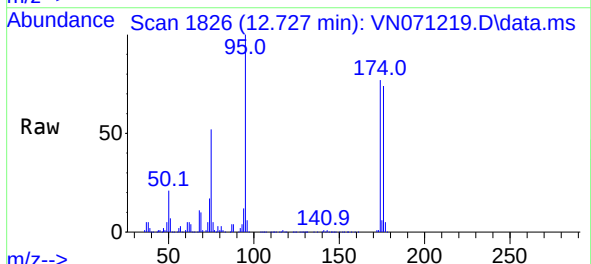
Instrument :
MSVOA_N
ClientSampleId :

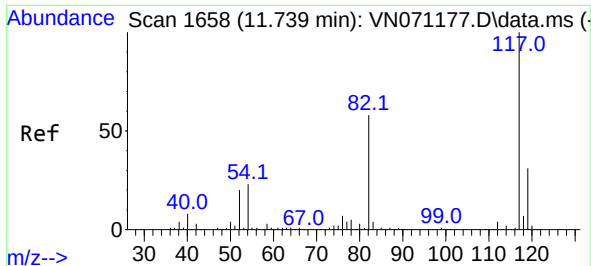
Tgt Ion: 43 Resp: 1100914
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.635 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 95 Resp: 559584
Ion Ratio Lower Upper
95 100
174 78.1 0.0 187.2
176 74.7 0.0 181.4

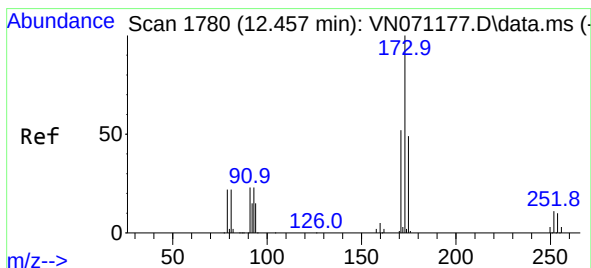
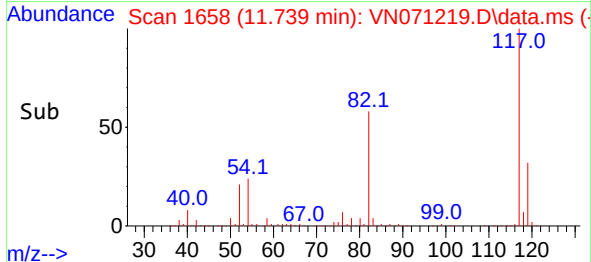
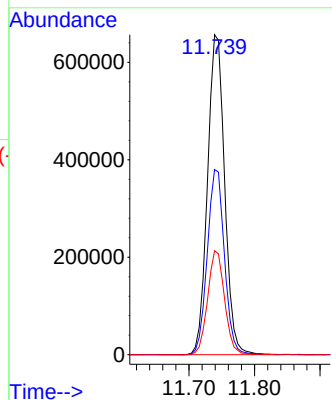
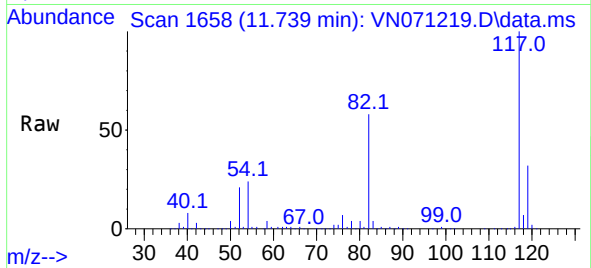




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

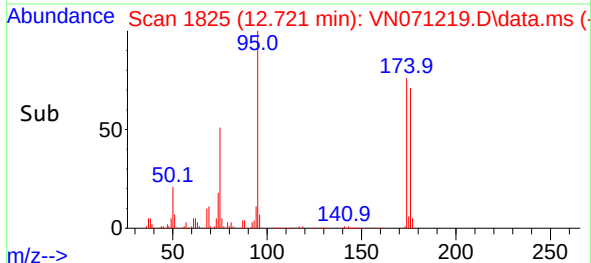
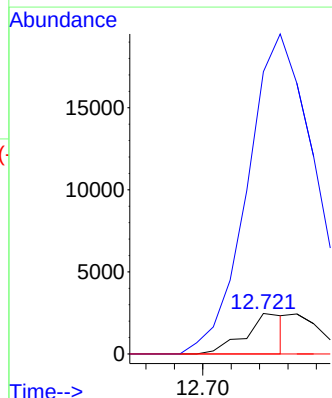
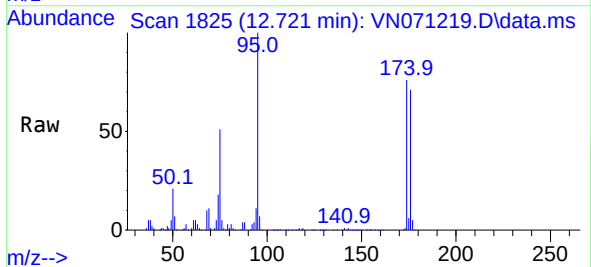
Instrument :
MSVOA_N
ClientSampleId :

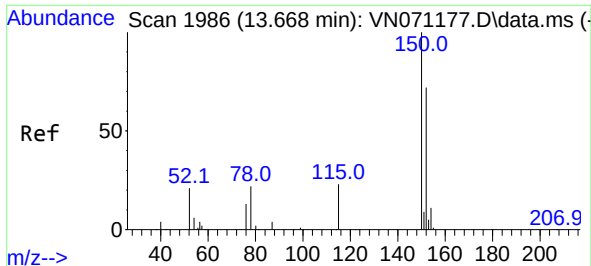
Tgt Ion:117 Resp: 1196831
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.5 25.4 38.2



#71
Bromoform
Concen: 0.336 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

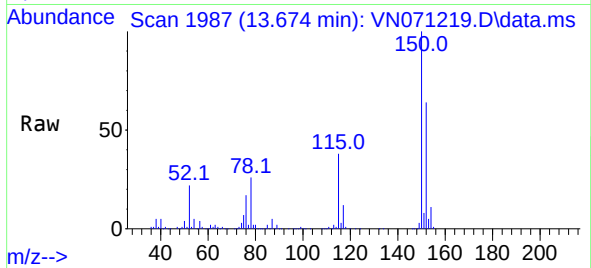
Tgt Ion:173 Resp: 2402
Ion Ratio Lower Upper
173 100
175 1028.0 24.2 72.6#
254 0.0 0.0 0.0



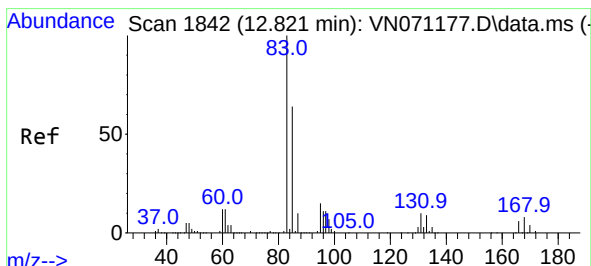
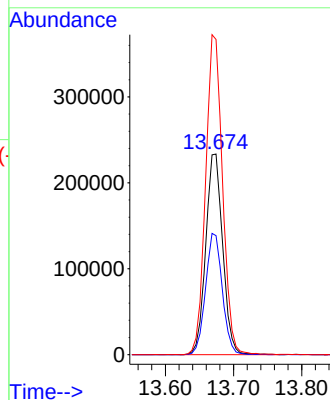
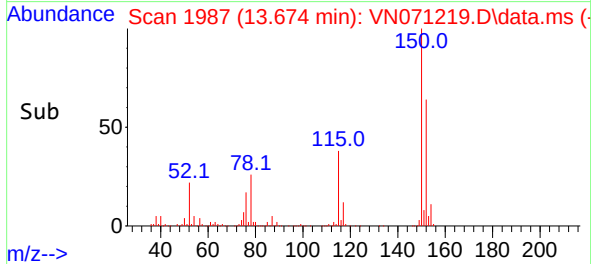


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

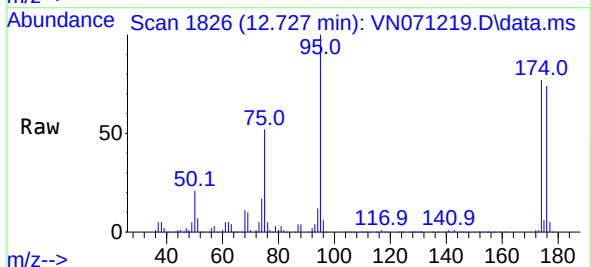
Instrument :
MSVOA_N
ClientSampleId :



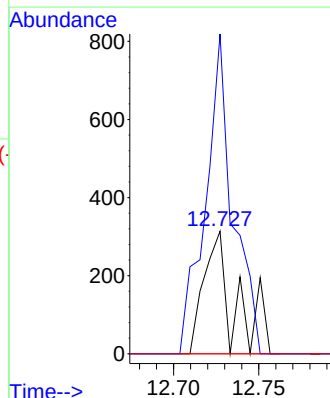
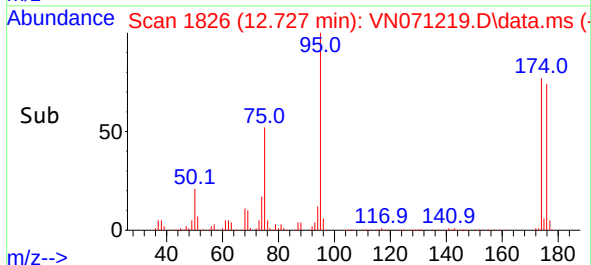
Tgt Ion:152 Resp: 404411
Ion Ratio Lower Upper
152 100
115 59.8 27.5 82.5
150 158.9 0.0 344.4

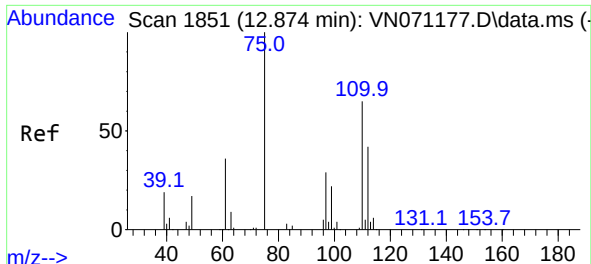


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57



Tgt Ion: 83 Resp: 392
Ion Ratio Lower Upper
83 100
131 233.9 5.5 16.5#
85 0.0 32.4 97.2#

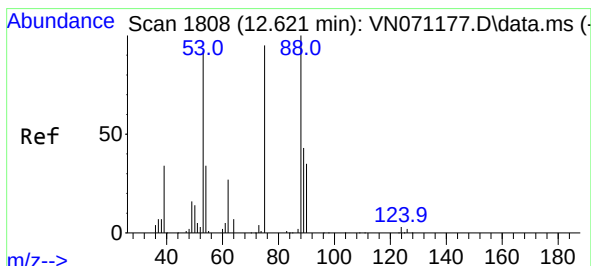
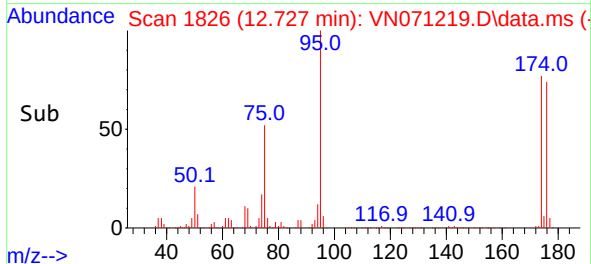
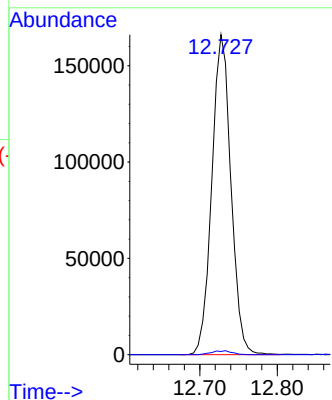
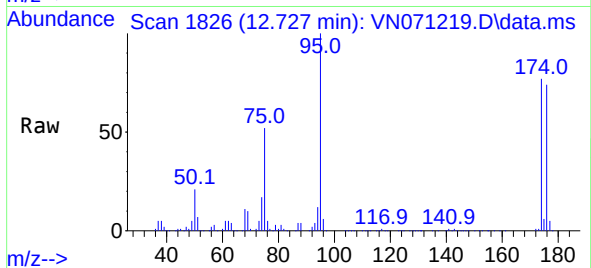




#76
1,2,3-Trichloropropane
Concen: 27.748 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

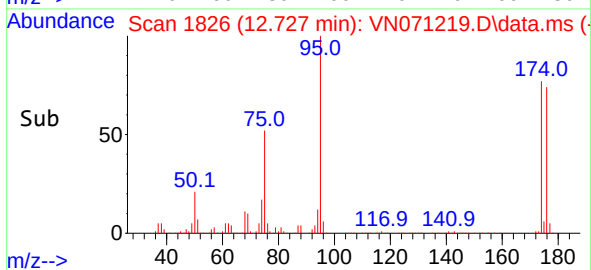
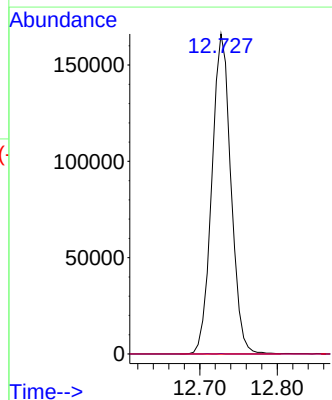
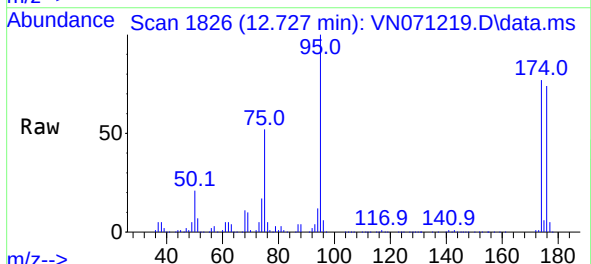
Instrument :
MSVOA_N
ClientSampleId :

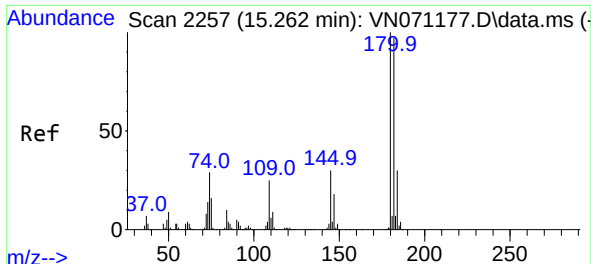
Tgt Ion: 75 Resp: 284285
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.990 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071219.D
Acq: 09 Mar 2022 18:57

Tgt Ion: 75 Resp: 284285
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.027 ug/l

RT: 15.268 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071219.D

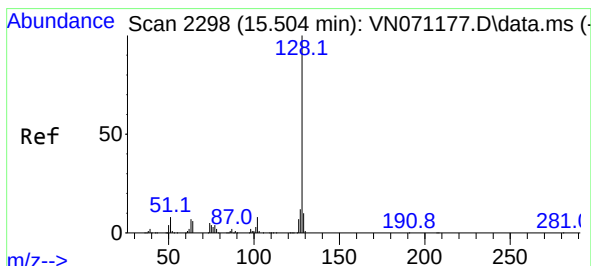
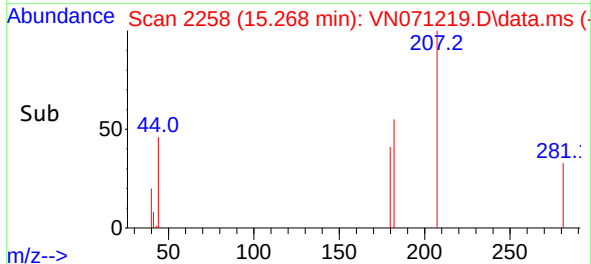
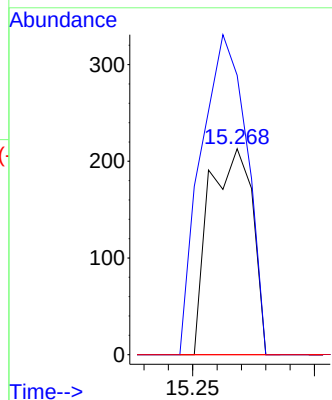
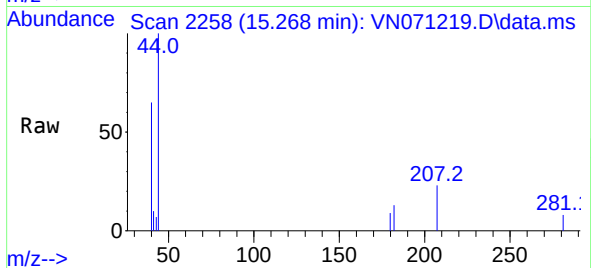
Acq: 09 Mar 2022 18:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	264
Ion Ratio	Lower	Upper
180	100	
182	164.0	48.3 144.9#
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 5.113 ug/l

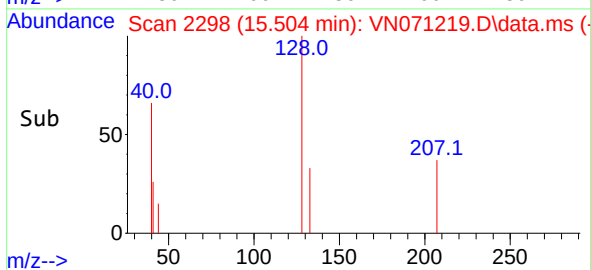
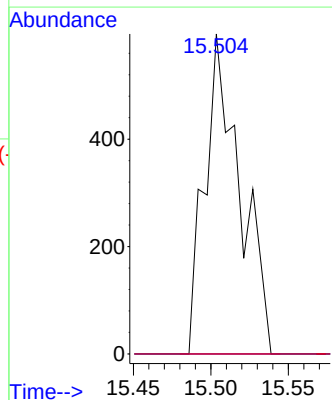
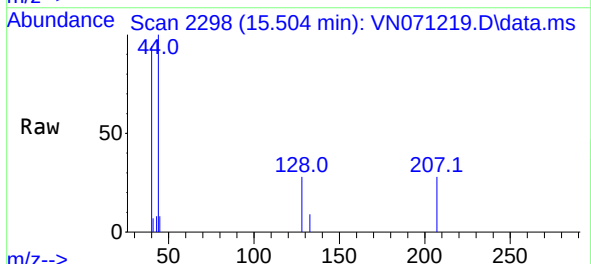
RT: 15.504 min Scan# 2298

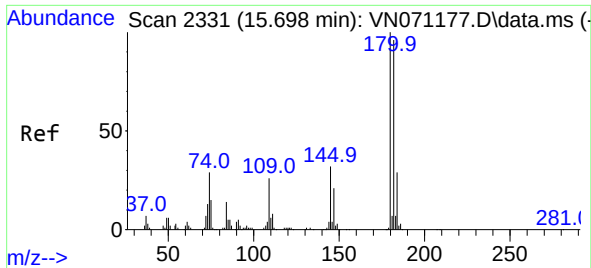
Delta R.T. -0.000 min

Lab File: VN071219.D

Acq: 09 Mar 2022 18:57

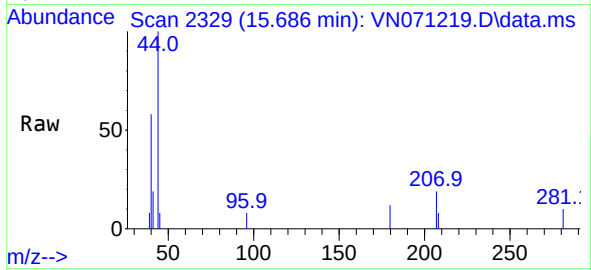
Tgt Ion:128	Resp:	944
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.5 15.7#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.745 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN071219.D
 Acq: 09 Mar 2022 18:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 89
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.0 45.1#

