

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071494.D
 Acq On : 23 Mar 2022 03:49
 Operator : JC\MD
 Sample : N1970-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:15:40 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)

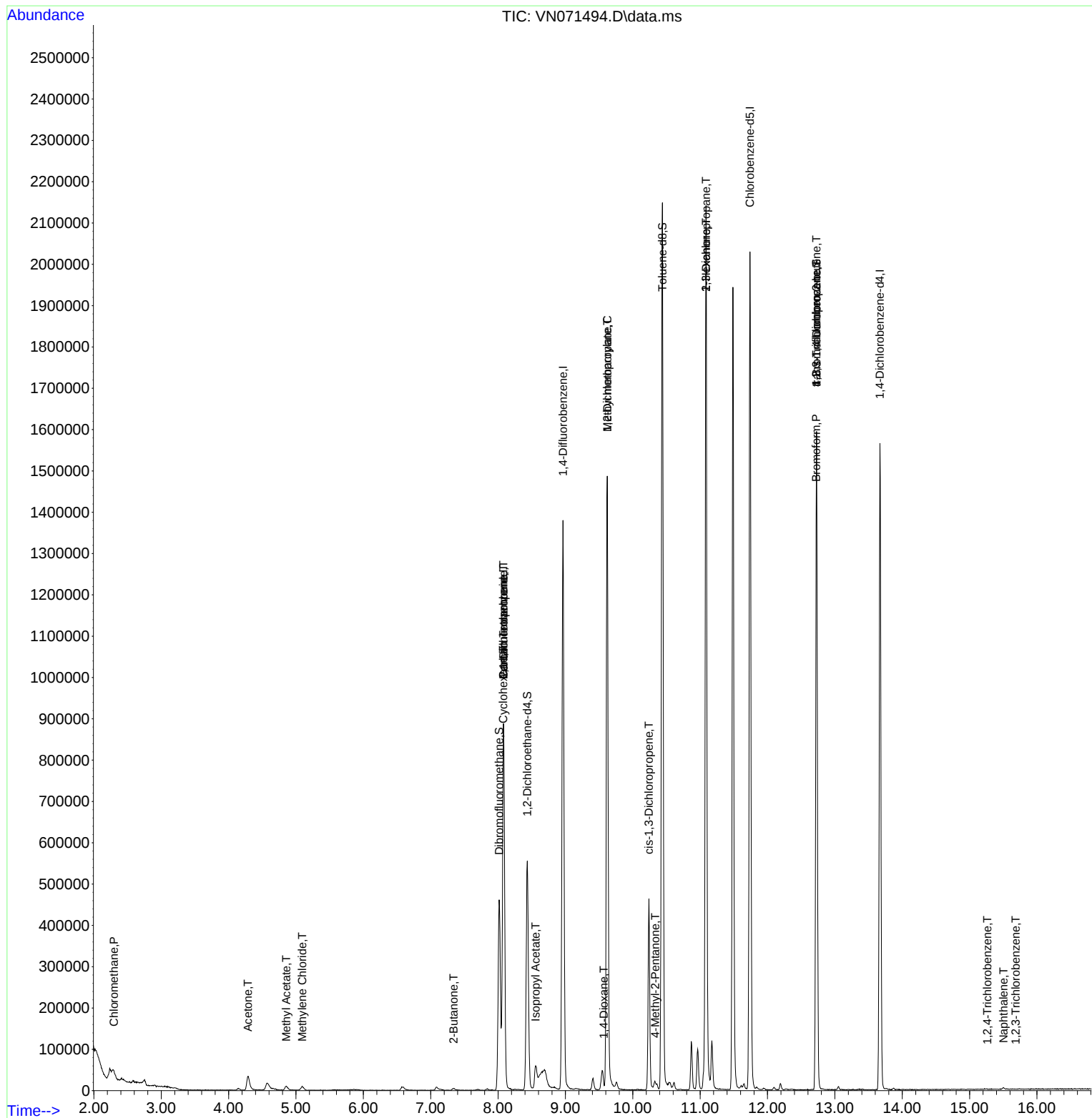
Internal Standards						
1) Pentafluorobenzene	8.080	168	667789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1172868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1150981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	424967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	455349	49.752	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.500%
35) Dibromofluoromethane	8.016	113	341758	46.176	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.360%
50) Toluene-d8	10.439	98	1481429	49.713	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.727	95	542861	53.797	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3074	0.278	ug/l	92
5) Bromomethane	2.857	94	921	Below Cal	#	45
16) Acetone	4.287	43	65512	14.711	ug/l	94
18) Methyl Acetate	4.857	43	20888	2.200	ug/l	94
20) Methylene Chloride	5.092	84	6411	1.164	ug/l	# 82
25) 2-Butanone	7.339	43	9123	1.272	ug/l	96
31) Cyclohexane	8.075	56	14872	1.018	ug/l	# 16
36) 1,1-Dichloropropene	8.080	75	54185	4.569	ug/l	# 48
38) Carbon Tetrachloride	8.080	117	66302	5.780	ug/l	# 17
43) Isopropyl Acetate	8.557	43	69410	2.844	ug/l	# 84
45) 1,2-Dichloropropane	9.622	63	2070	0.216	ug/l	# 44
48) Methyl methacrylate	9.622	41	143347	12.675	ug/l	# 36
49) 1,4-Dioxane	9.569	88	53	0.270	ug/l	# 27
51) 4-Methyl-2-Pentanone	10.333	43	10811	0.714	ug/l	# 85
54) cis-1,3-Dichloropropene	10.239	75	77181	5.371	ug/l	# 61
57) 1,3-Dichloropropane	11.086	76	22373	1.414	ug/l	# 43
59) 2-Hexanone	11.086	43	374186	36.208	ug/l	# 48
71) Bromoform	12.721	173	2466	0.358	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.727	83	274	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	281878	26.013	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	281878	71.702	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.262	180	94	3.002	ug/l	# 37
95) Naphthalene	15.504	128	3889	5.247	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.686	180	108	2.747	ug/l	# 12

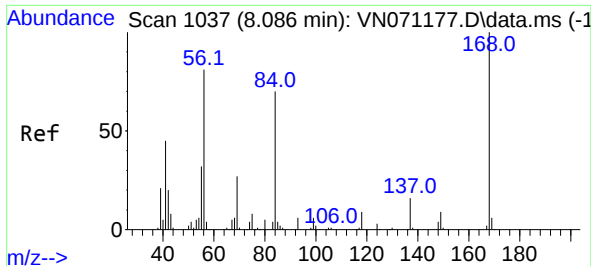
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 23 07:15:40 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

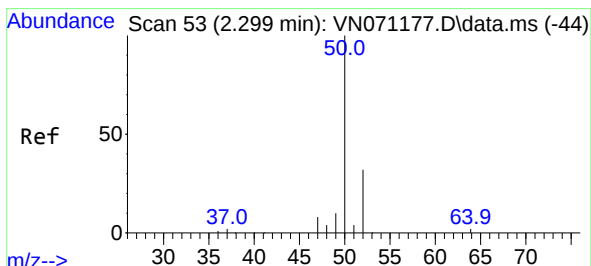
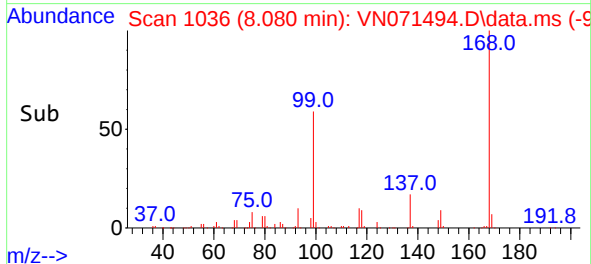
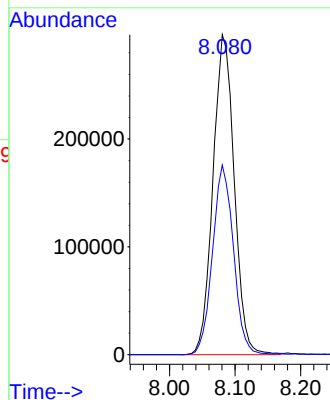
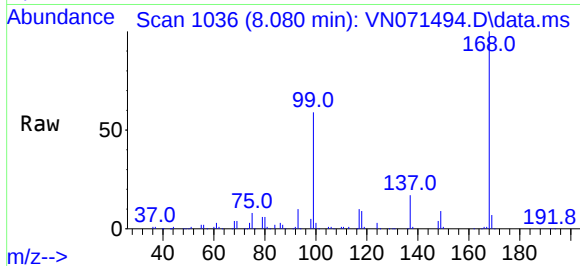




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

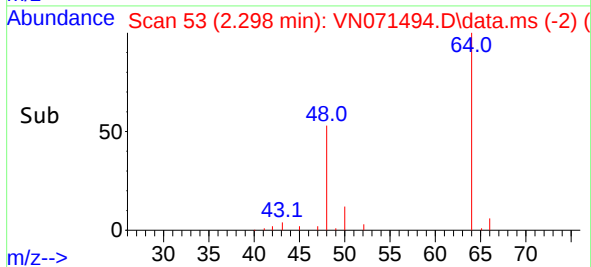
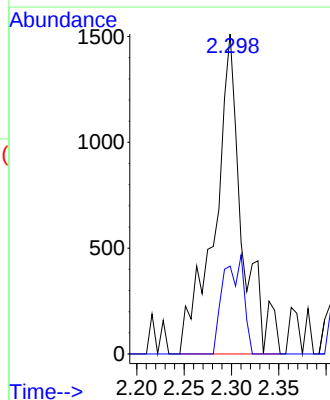
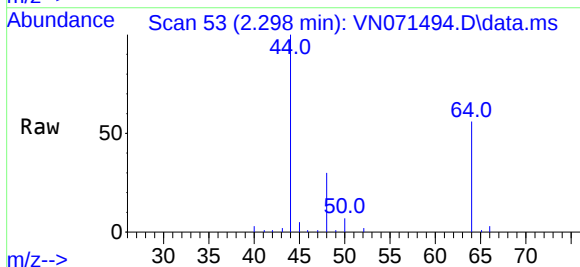
Instrument :
MSVOA_N
ClientSampleId :

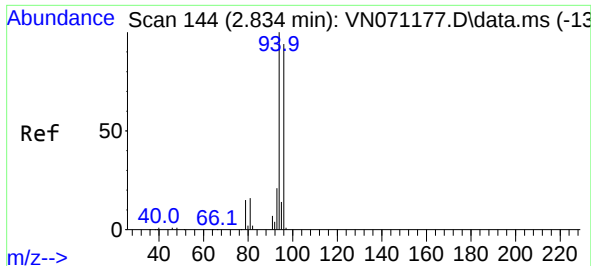
Tgt Ion:168 Resp: 667789
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion: 50 Resp: 3074
Ion Ratio Lower Upper
50 100
52 27.4 25.4 38.0

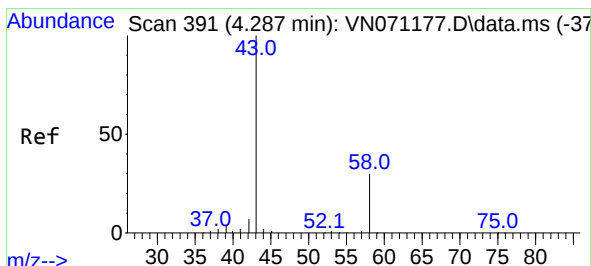
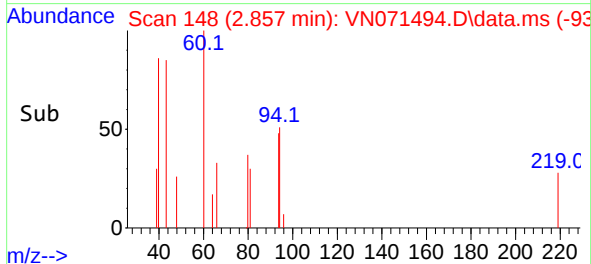
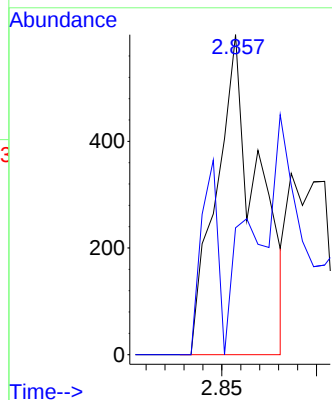
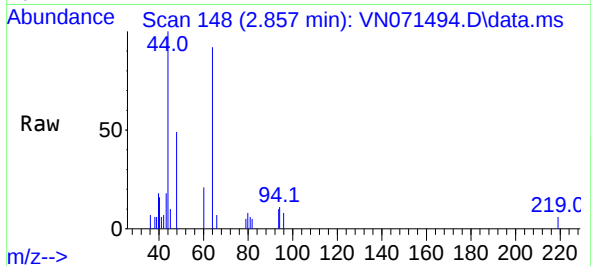




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 144
Delta R.T. 0.023 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

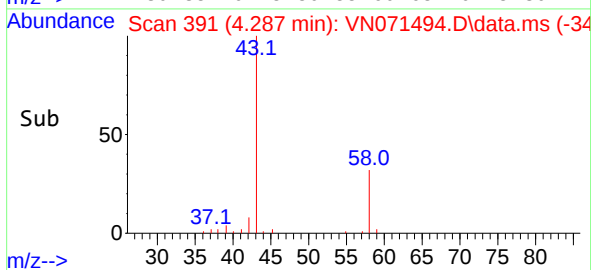
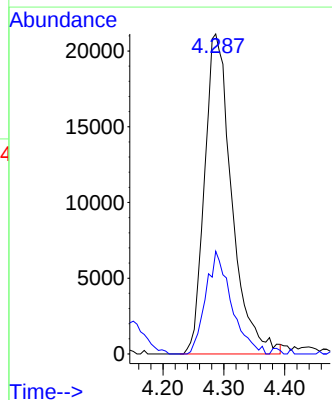
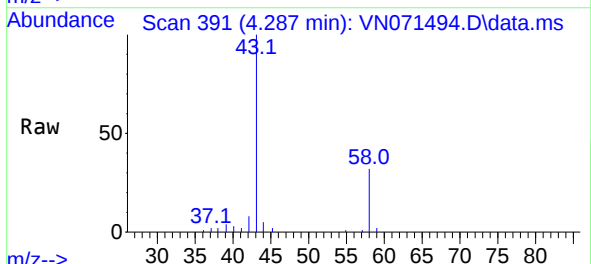
Instrument :
MSVOA_N
ClientSampleId :

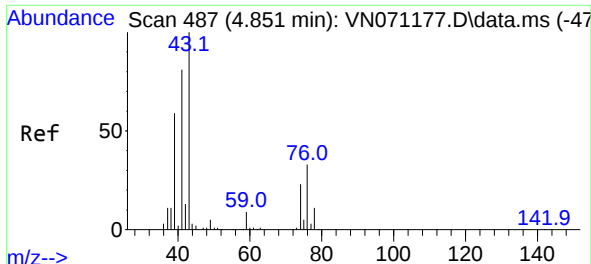
Tgt Ion: 94 Resp: 921
Ion Ratio Lower Upper
94 100
96 39.7 73.8 110.8#



#16
Acetone
Concen: 14.711 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion: 43 Resp: 65512
Ion Ratio Lower Upper
43 100
58 32.1 23.1 34.7

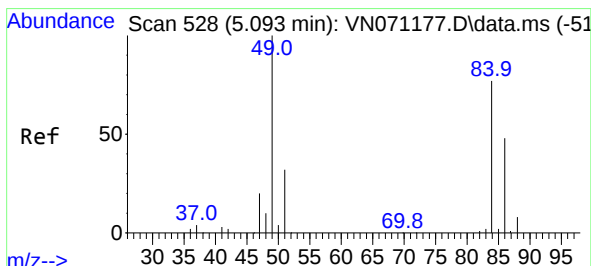
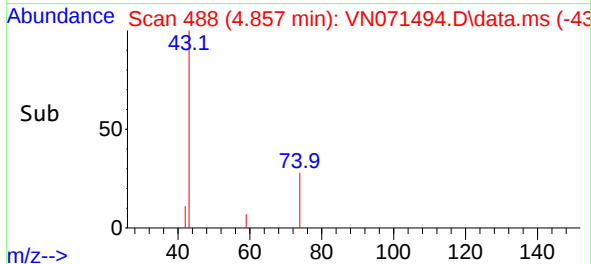
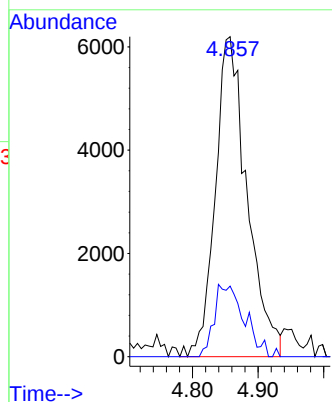
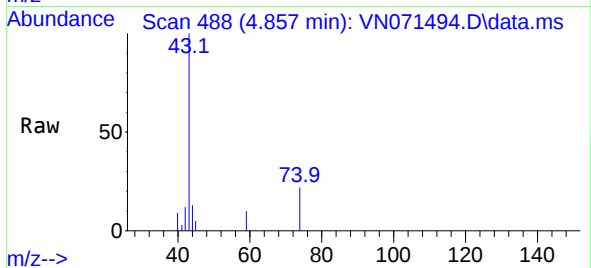




#18
Methyl Acetate
Concen: 2.200 ug/l
RT: 4.857 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

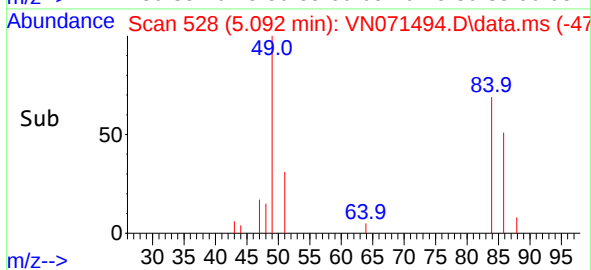
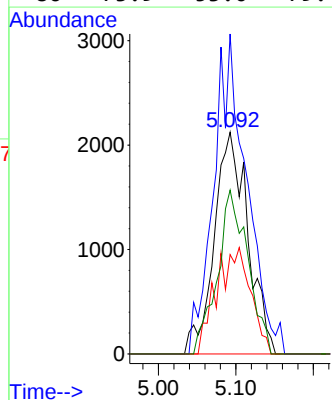
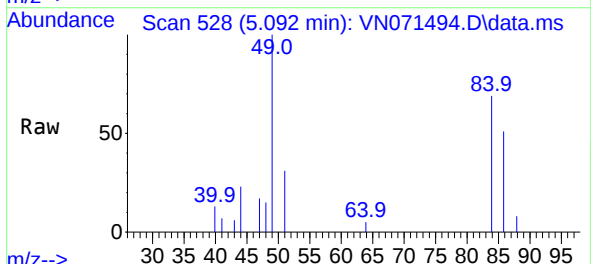
Instrument :
MSVOA_N
ClientSampleId :

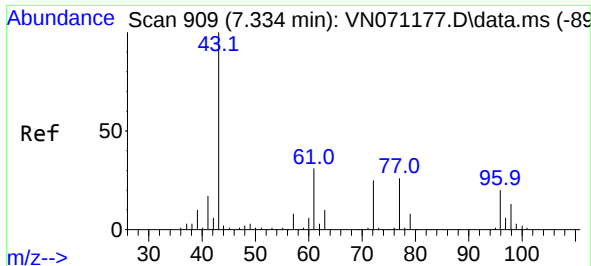
Tgt Ion: 43 Resp: 20888
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.2



#20
Methylene Chloride
Concen: 1.164 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion: 84 Resp: 6411
Ion Ratio Lower Upper
84 100
49 144.3 93.5 140.3#
51 44.8 29.4 44.2#
86 73.9 53.0 79.4





#25

2-Butanone

Concen: 1.272 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

Instrument :

MSVOA_N

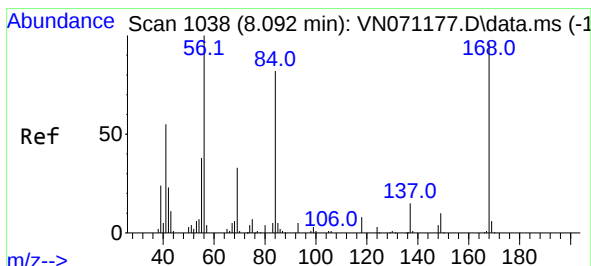
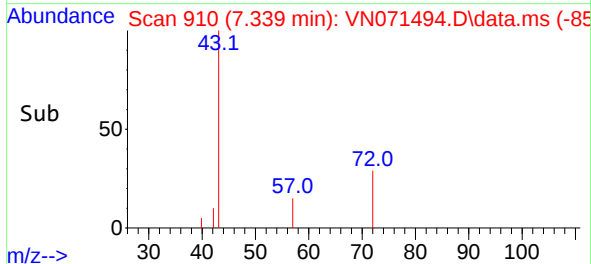
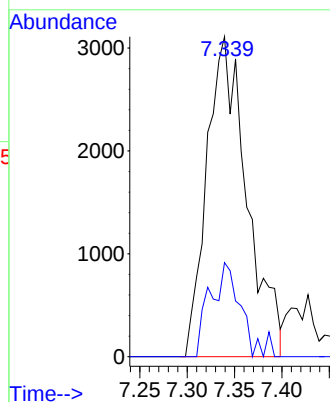
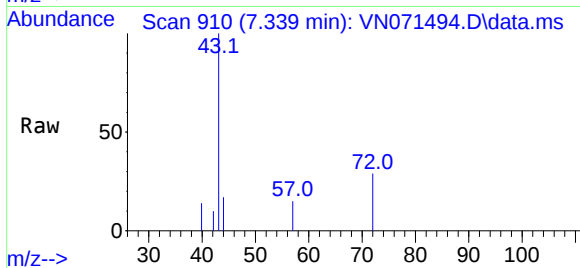
ClientSampleId :

Tgt Ion: 43 Resp: 9123

Ion Ratio Lower Upper

43 100

72 29.4 21.7 32.5



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.018 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

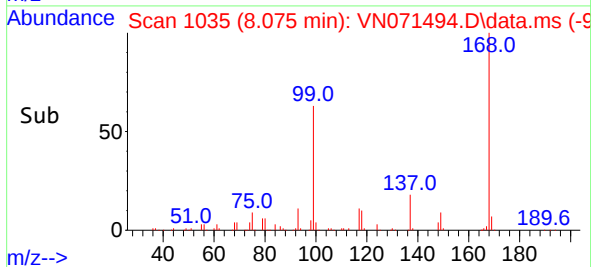
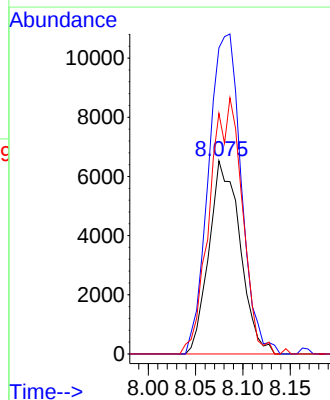
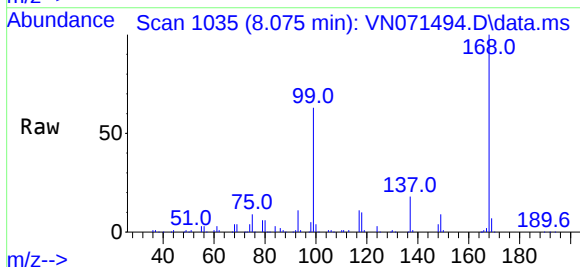
Tgt Ion: 56 Resp: 14872

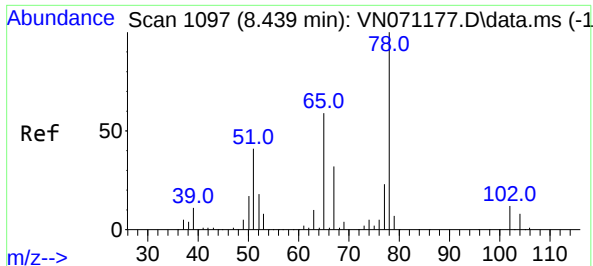
Ion Ratio Lower Upper

56 100

69 158.4 27.1 40.7#

84 124.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.752 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

Instrument :

MSVOA_N

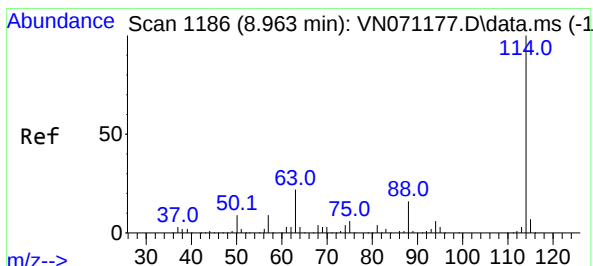
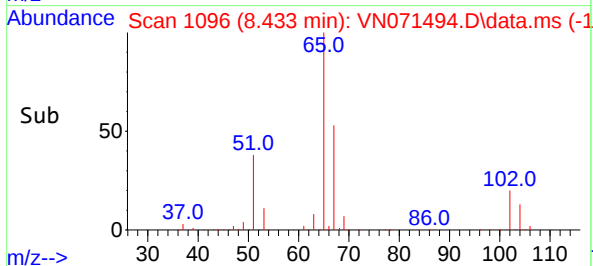
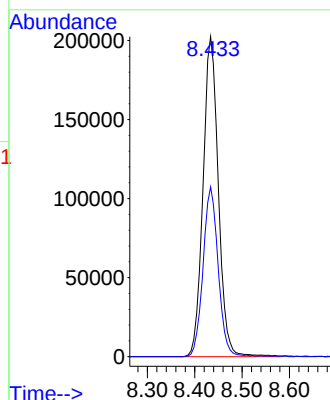
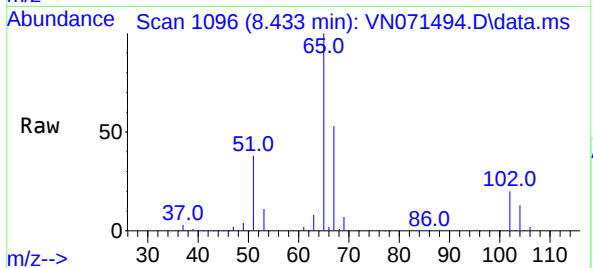
ClientSampleId :

Tgt Ion: 65 Resp: 455349

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: VN071494.D

Acq: 23 Mar 2022 03:49

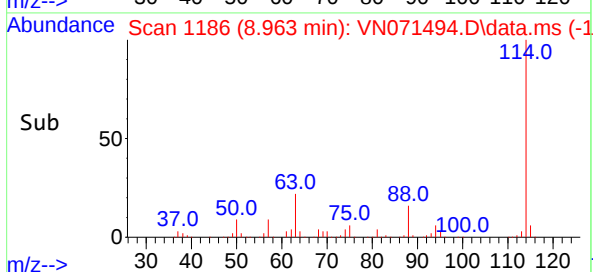
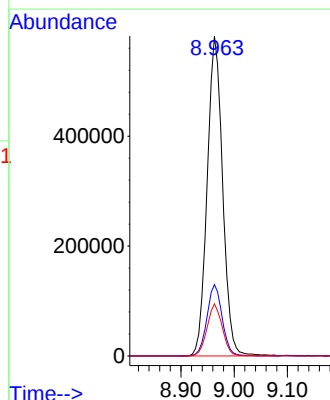
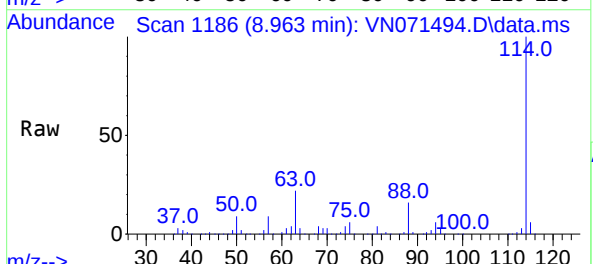
Tgt Ion: 114 Resp: 1172868

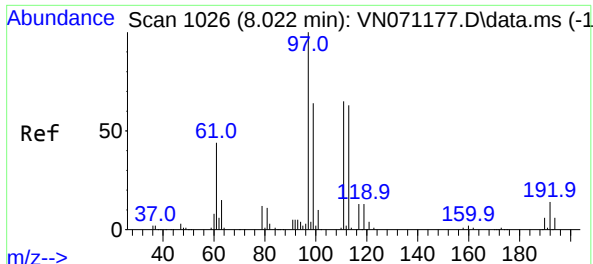
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

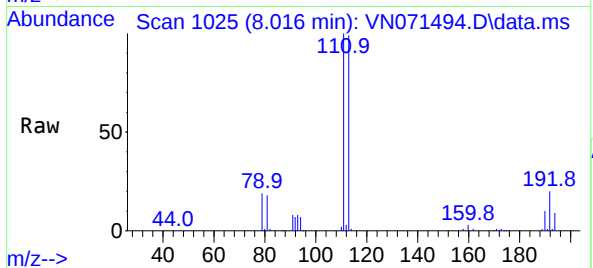
88 16.3 0.0 27.4



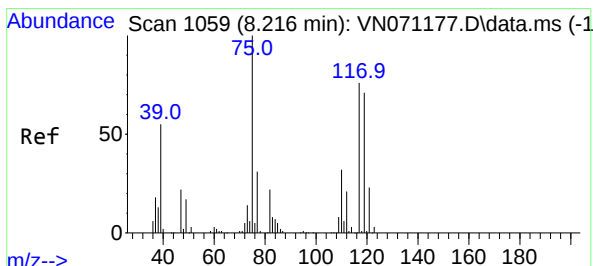
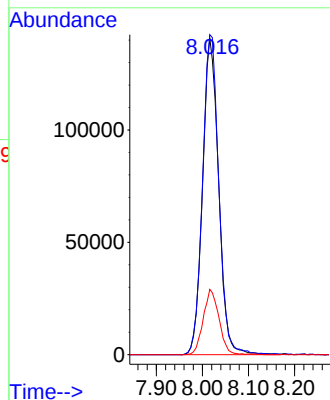
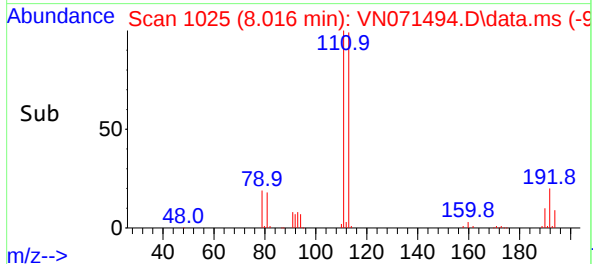


#35
Dibromofluoromethane
Concen: 46.176 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Instrument :
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ClientSampleId :

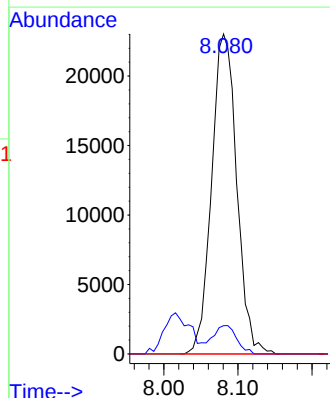
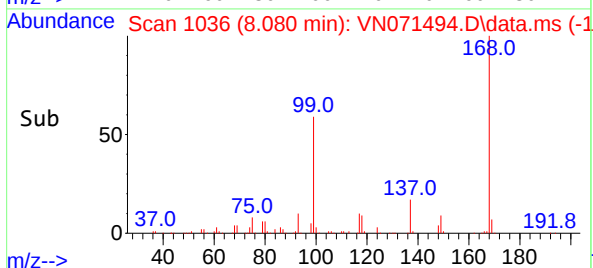
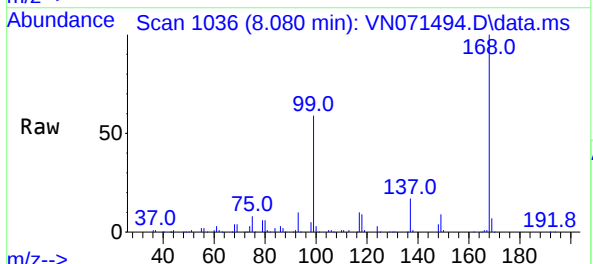


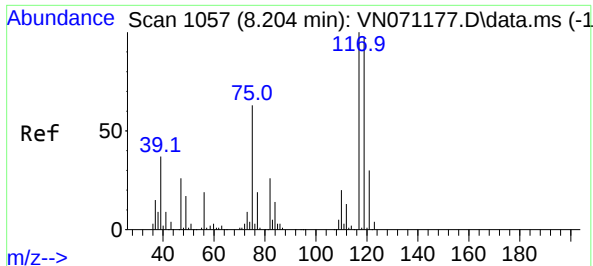
Tgt Ion:113 Resp: 341758
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.569 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

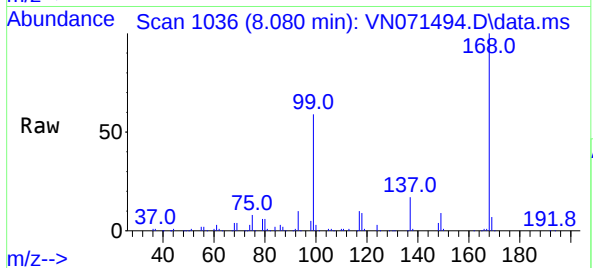
Tgt Ion: 75 Resp: 54185
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#



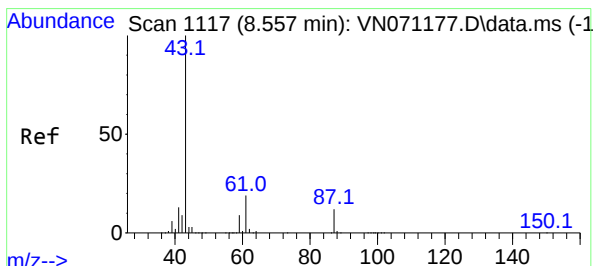
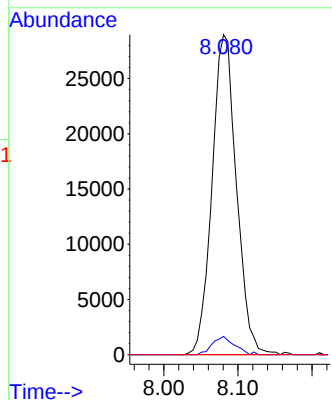
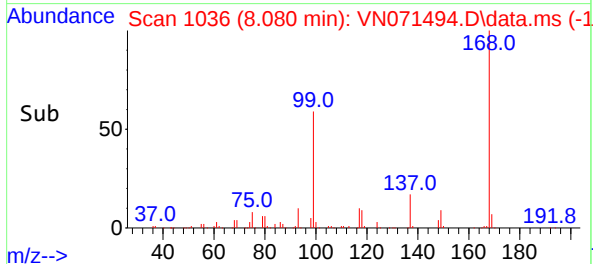


#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Instrument :
MSVOA_N
ClientSampleId :

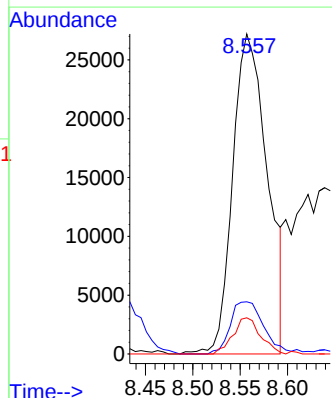
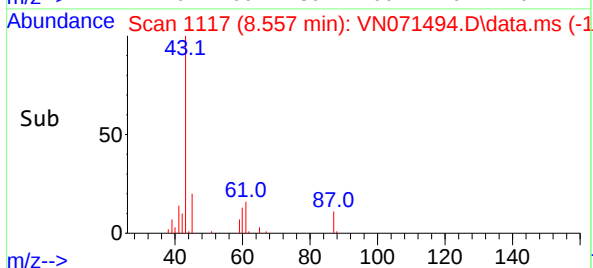
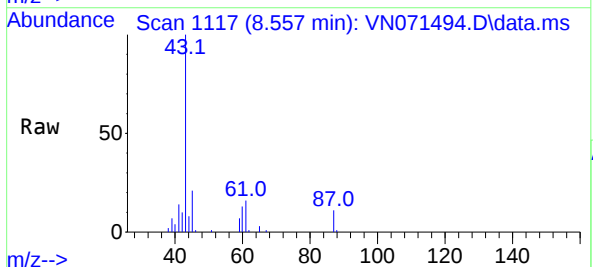


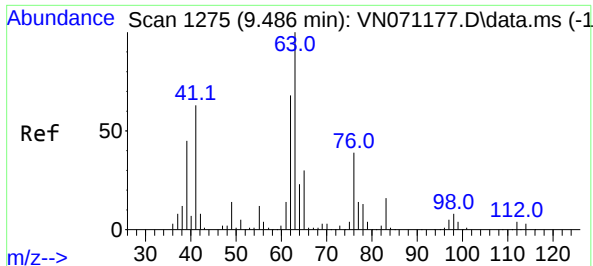
Tgt Ion:117 Resp: 66302
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.844 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion: 43 Resp: 69410
Ion Ratio Lower Upper
43 100
61 16.1 20.4 30.6#
87 8.9 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.216 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

Instrument :

MSVOA_N

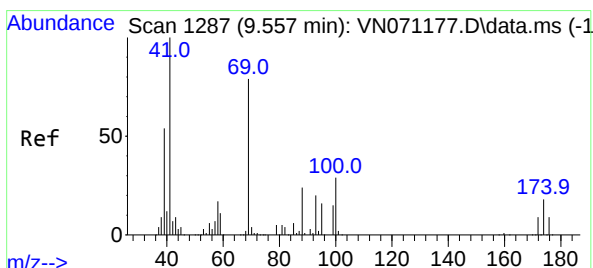
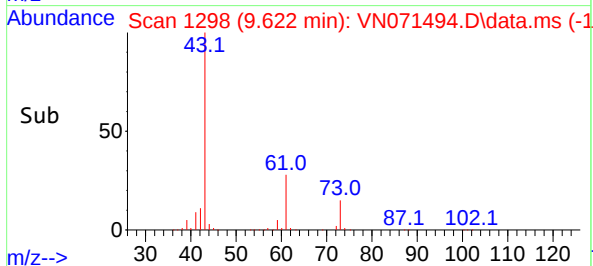
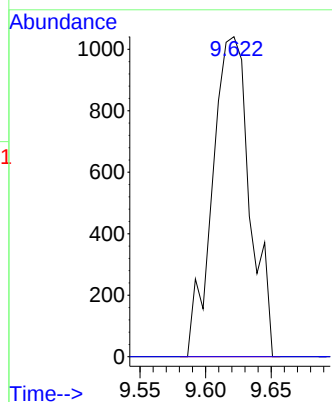
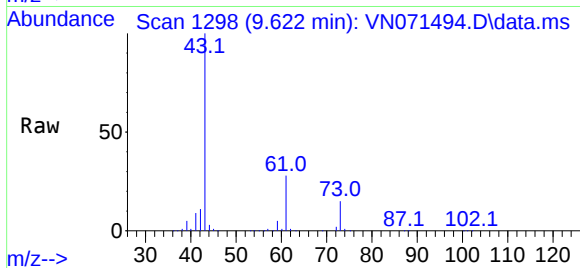
ClientSampleId :

Tgt Ion: 63 Resp: 2070

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 12.675 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.065 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

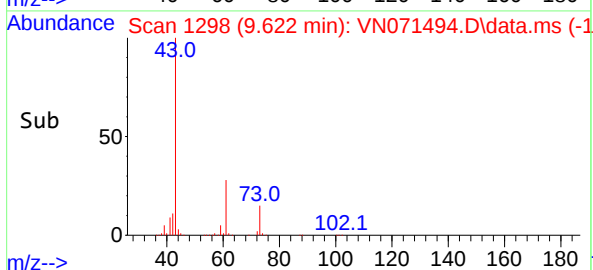
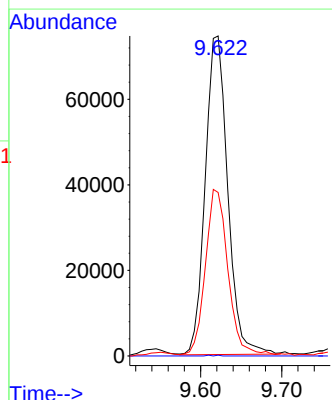
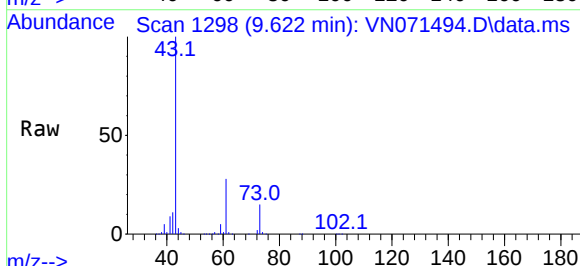
Tgt Ion: 41 Resp: 143347

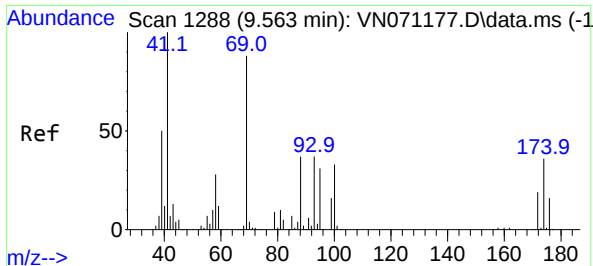
Ion Ratio Lower Upper

41 100

69 0.1 72.4 108.6#

39 52.0 58.4 87.6#

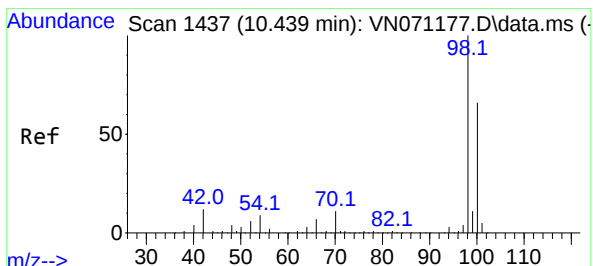
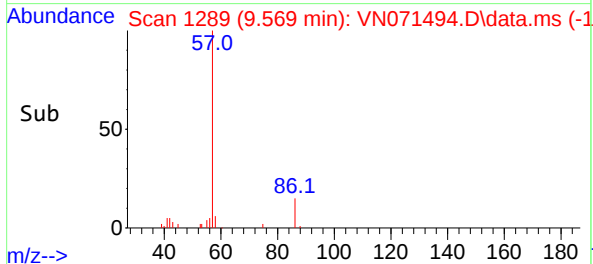
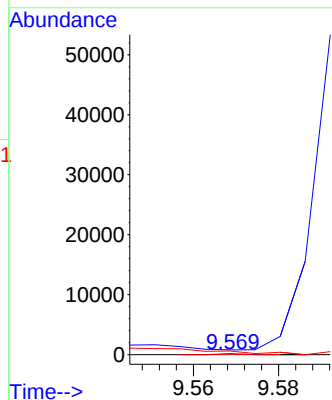
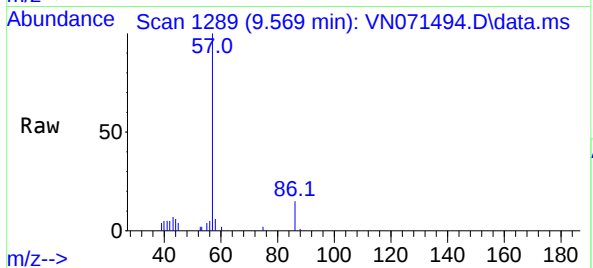




#49
1,4-Dioxane
Concen: 0.270 ug/l
RT: 9.569 min Scan# 1288
Delta R.T. 0.006 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

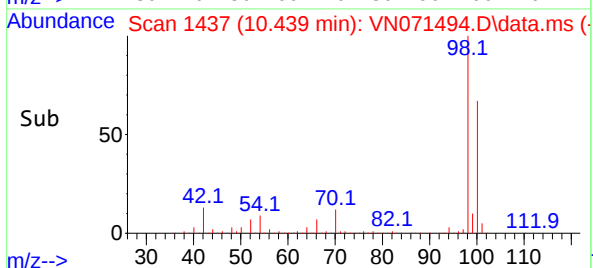
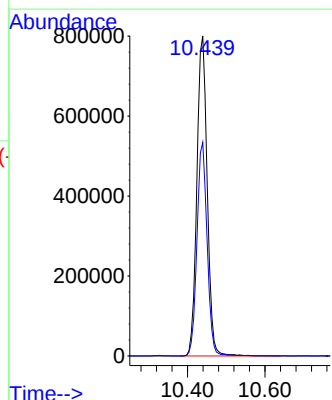
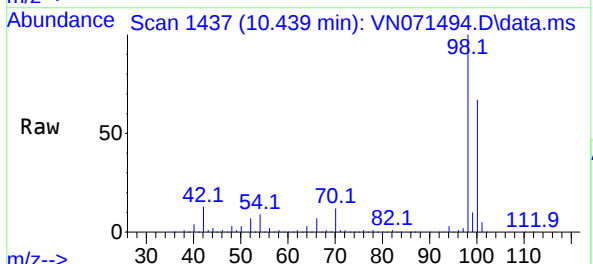
Instrument :
MSVOA_N
ClientSampleId :

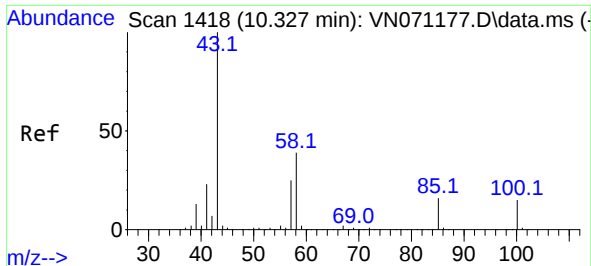
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 49.713 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion: 98 Resp: 1481429
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.714 ug/l

RT: 10.333 min Scan# 1418

Delta R.T. 0.006 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

Instrument :

MSVOA_N

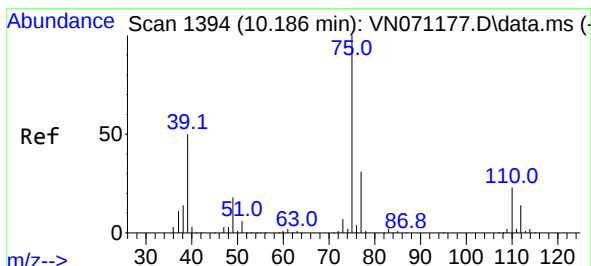
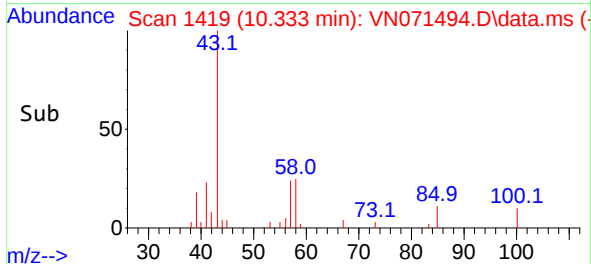
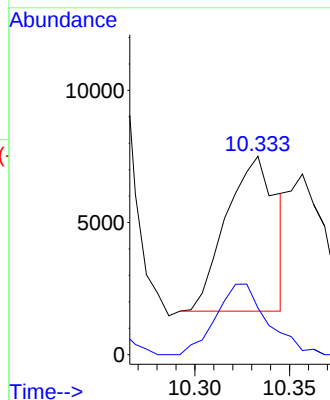
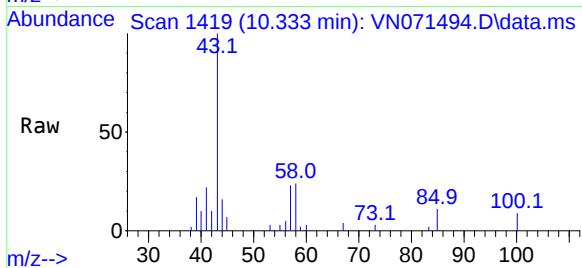
ClientSampleId :

Tgt Ion: 43 Resp: 10811

Ion Ratio Lower Upper

43 100

58 46.7 30.4 45.6#



#54

cis-1,3-Dichloropropene

Concen: 5.371 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

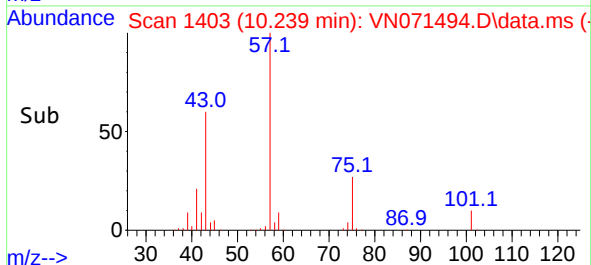
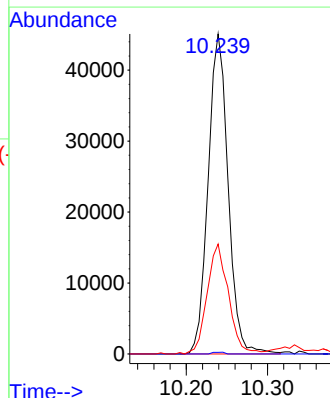
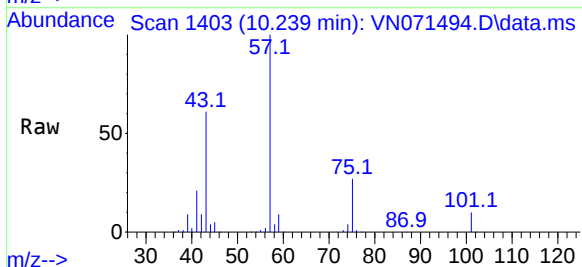
Tgt Ion: 75 Resp: 77181

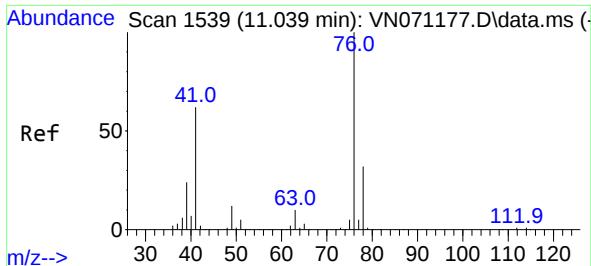
Ion Ratio Lower Upper

75 100

77 0.5 26.4 39.6#

39 33.9 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 1.414 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071494.D

Acq: 23 Mar 2022 03:49

Instrument :

MSVOA_N

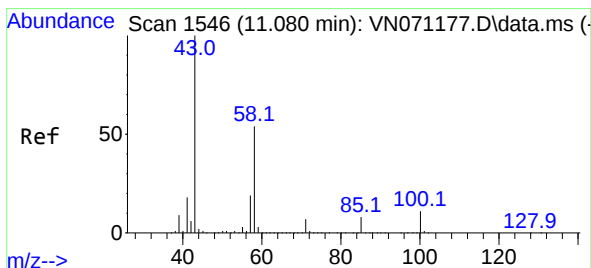
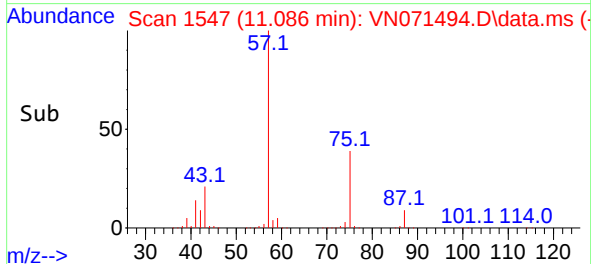
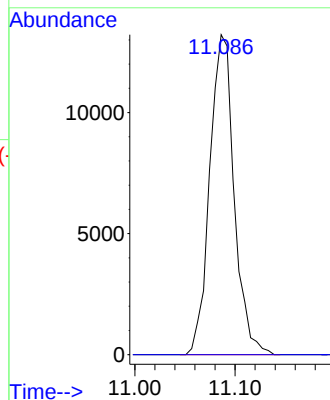
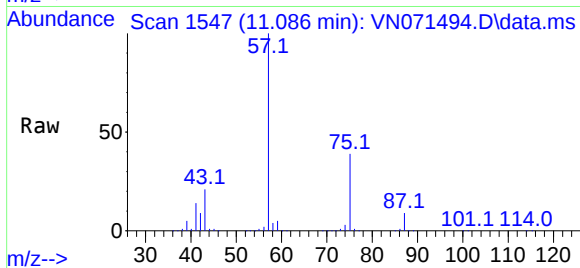
ClientSampleId :

Tgt Ion: 76 Resp: 22373

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 36.208 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071494.D

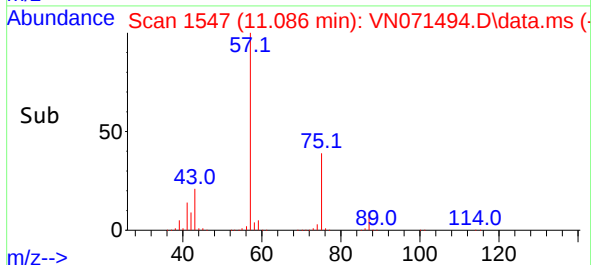
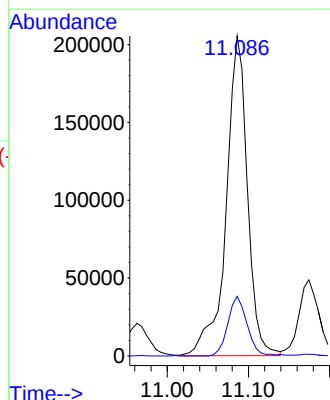
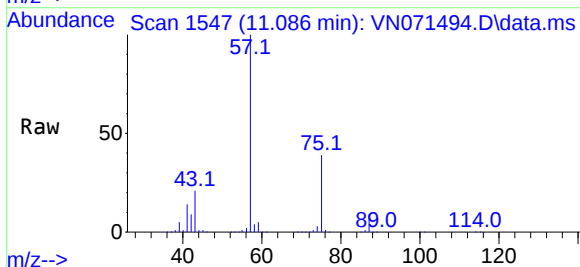
Acq: 23 Mar 2022 03:49

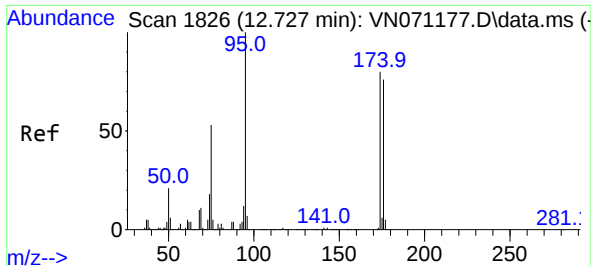
Tgt Ion: 43 Resp: 374186

Ion Ratio Lower Upper

43 100

58 17.0 26.9 80.7#

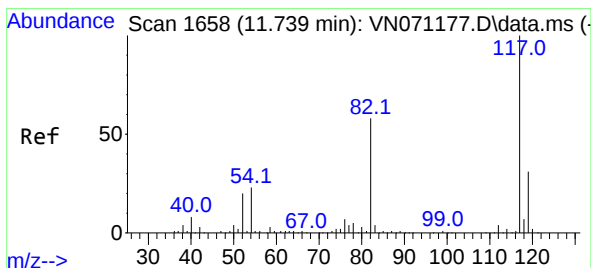
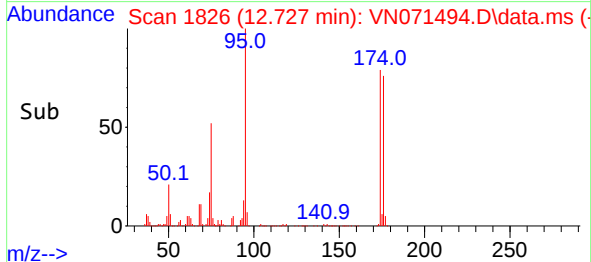
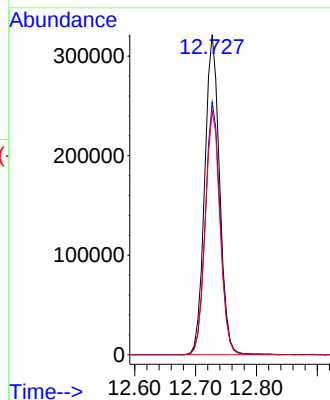
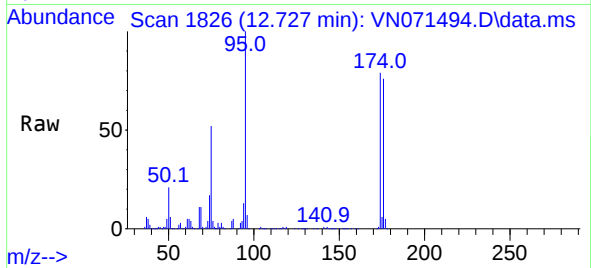




#62
4-Bromofluorobenzene
Concen: 53.797 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

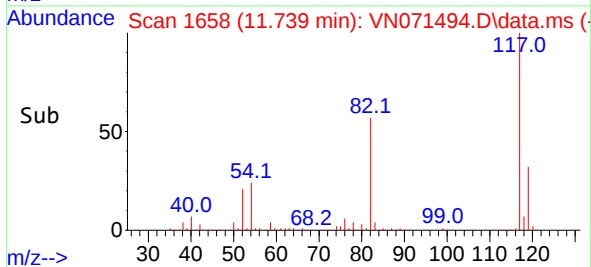
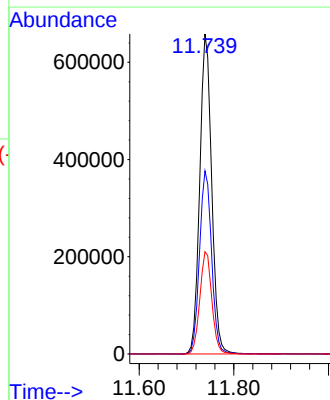
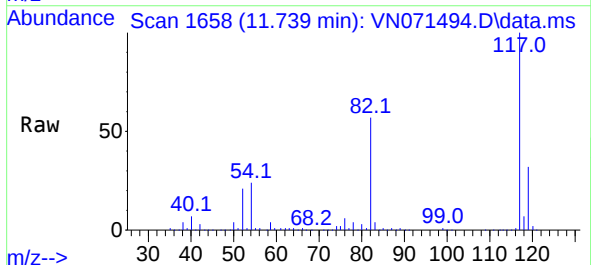
Instrument :
MSVOA_N
ClientSampleId :

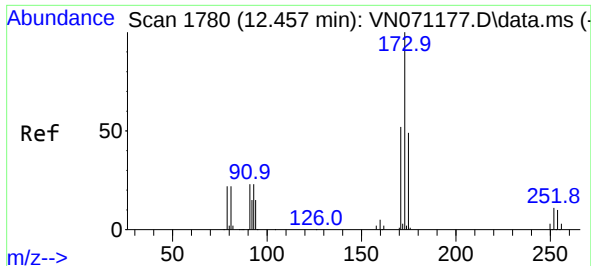
Tgt Ion: 95 Resp: 542861
Ion Ratio Lower Upper
95 100
174 79.1 0.0 187.2
176 75.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion: 117 Resp: 1150981
Ion Ratio Lower Upper
117 100
82 57.2 42.4 63.6
119 31.9 25.4 38.2

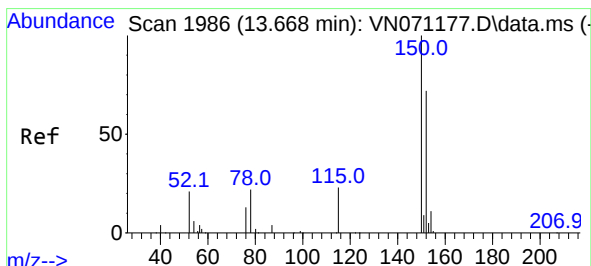
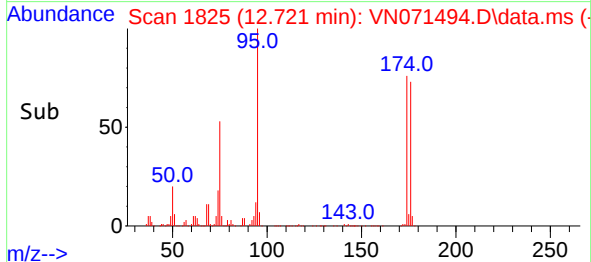
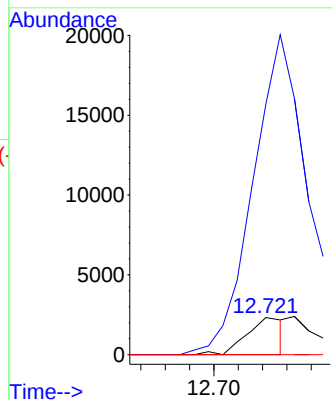
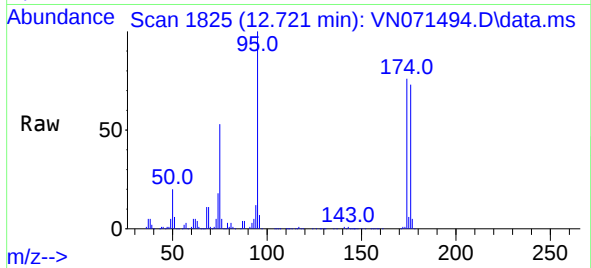




#71
Bromoform
Concen: 0.358 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

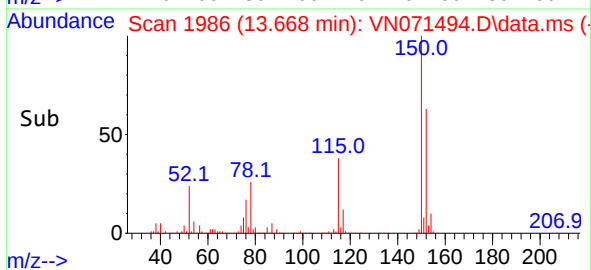
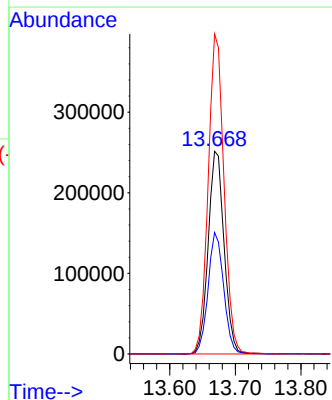
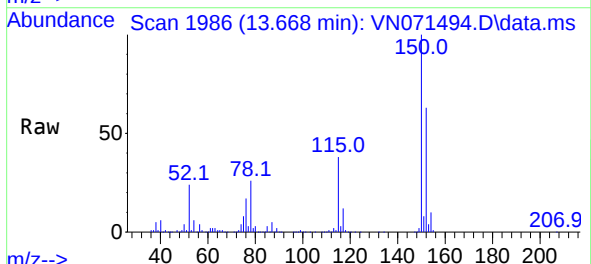
Instrument :
MSVOA_N
ClientSampleId :

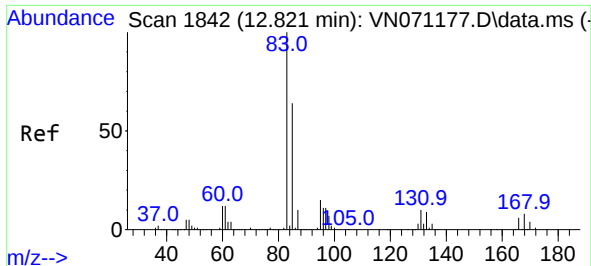
Tgt Ion:173 Resp: 2466
Ion Ratio Lower Upper
173 100
175 994.4 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

Tgt Ion:152 Resp: 424967
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 156.7 0.0 344.4

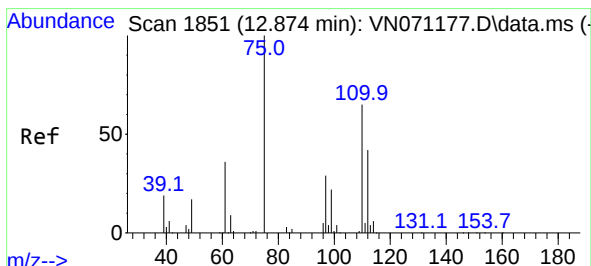
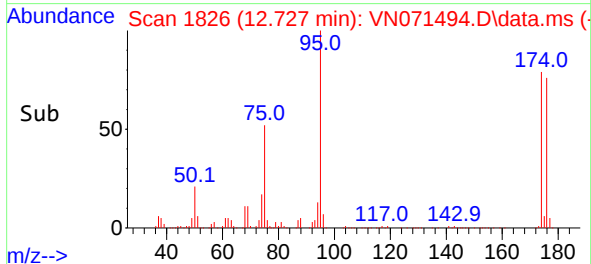
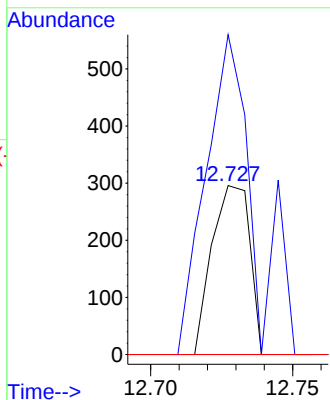
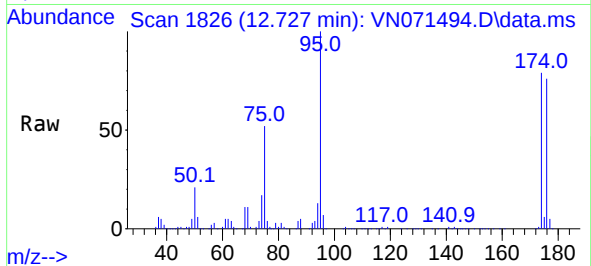




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

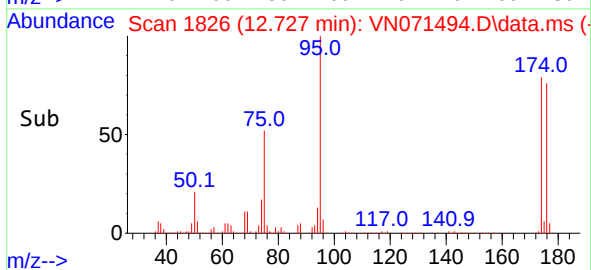
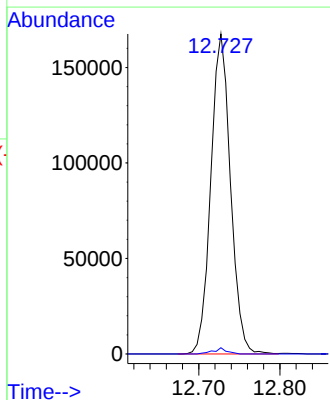
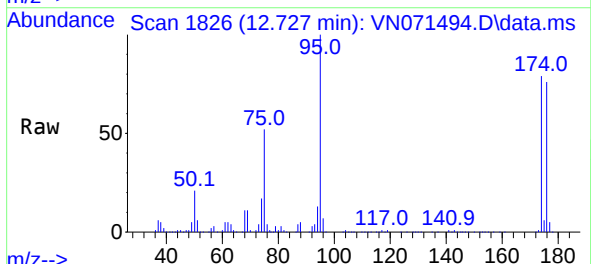
Instrument :
MSVOA_N
ClientSampleId :

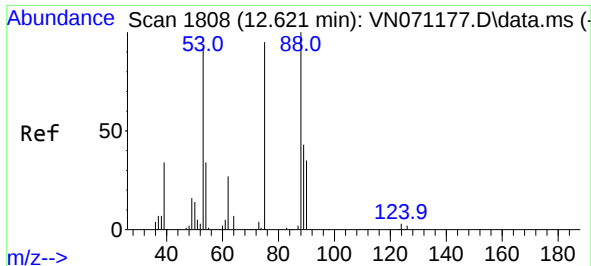
Tgt Ion: 83 Resp: 274
Ion Ratio Lower Upper
83 100
131 240.1 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.013 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

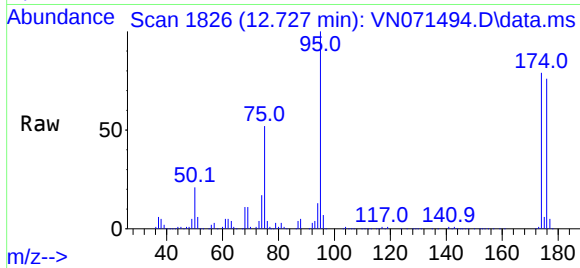
Tgt Ion: 75 Resp: 281878
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



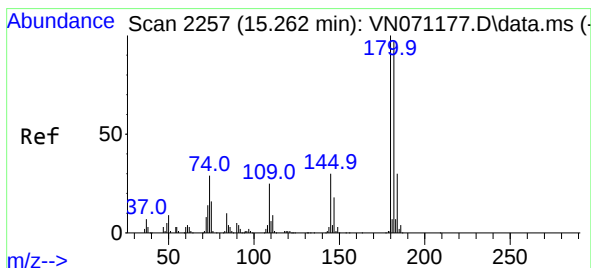
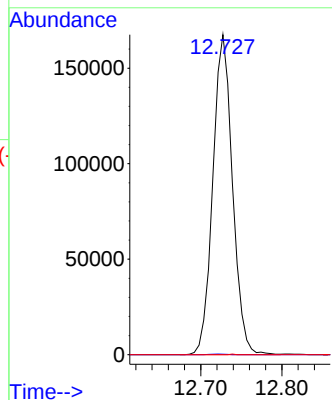
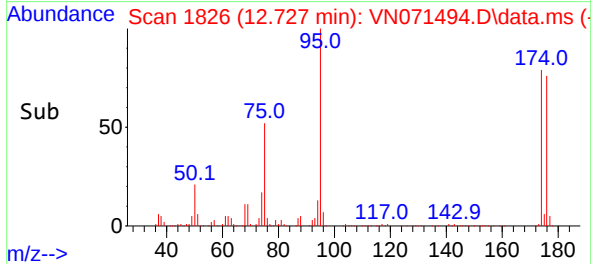


#81
trans-1,4-Dichloro-2-butene
Concen: 71.702 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

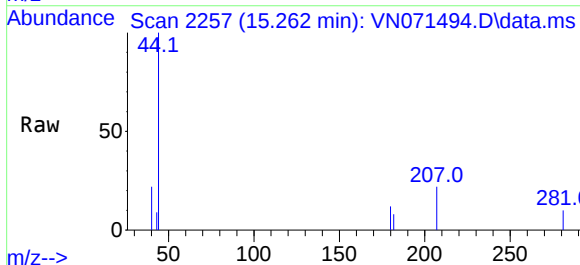
Instrument :
MSVOA_N
ClientSampleId :



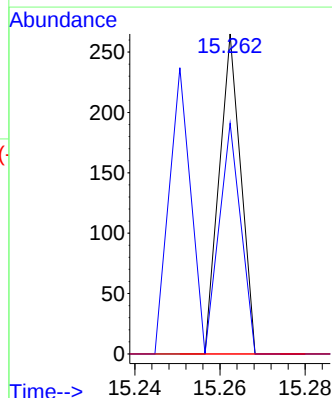
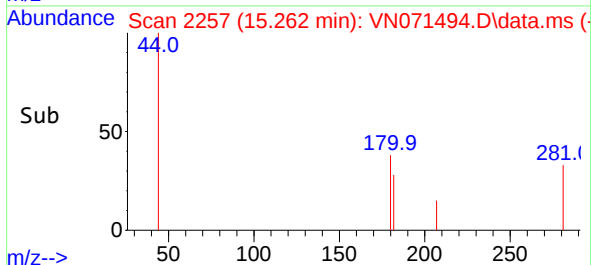
Tgt Ion: 75 Resp: 281878
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

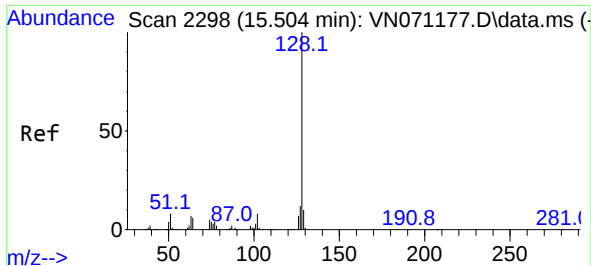


#93
1,2,4-Trichlorobenzene
Concen: 3.002 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49



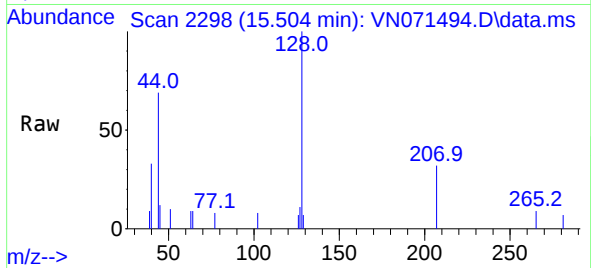
Tgt Ion: 180 Resp: 94
Ion Ratio Lower Upper
180 100
182 160.6 48.3 144.9#
145 0.0 14.5 43.5#



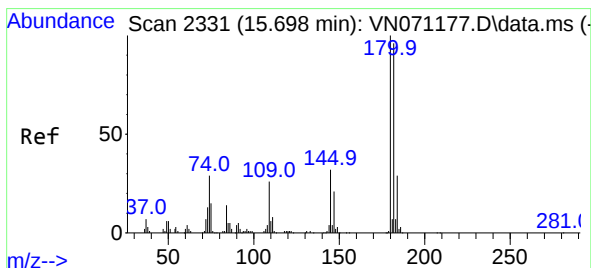
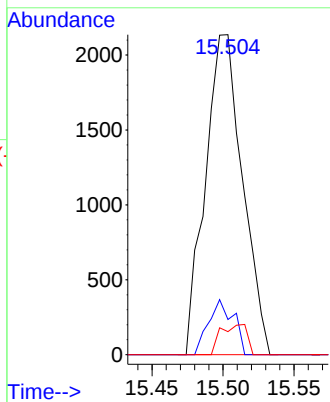
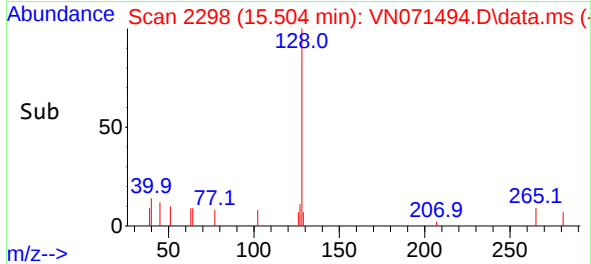


#95
Naphthalene
Concen: 5.247 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49

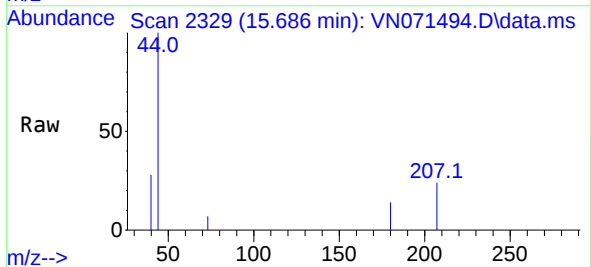
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3889
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 6.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.747 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.012 min
Lab File: VN071494.D
Acq: 23 Mar 2022 03:49



Tgt Ion:180 Resp: 108
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

