

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071334.D
 Acq On : 16 Mar 2022 20:49
 Operator : JC\MD
 Sample : N1957-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-4

Quant Time: Mar 17 05:21:42 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)

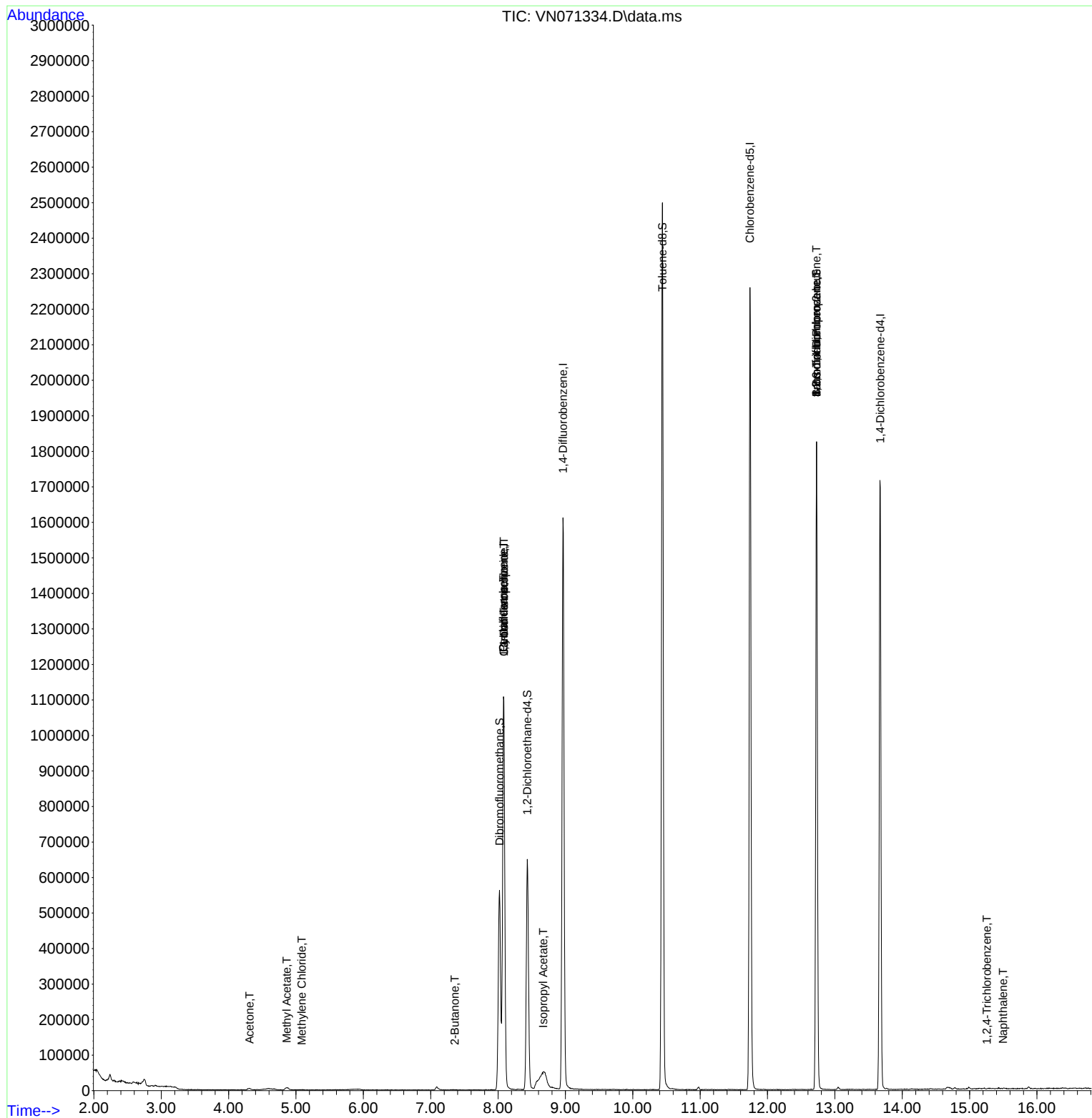
Internal Standards						
1) Pentafluorobenzene	8.081	168	858115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1404073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1309261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	476938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	539489	45.872	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.740%		
35) Dibromofluoromethane	8.022	113	417342	47.103	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.200%		
50) Toluene-d8	10.439	98	1716259	48.110	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.220%		
62) 4-Bromofluorobenzene	12.727	95	633286	52.424	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.840%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.846	94	595	Below Cal	#	39
16) Acetone	4.310	43	4797	0.838	ug/l	93
18) Methyl Acetate	4.863	43	15683	1.481	ug/l #	78
20) Methylene Chloride	5.087	84	207	0.401	ug/l #	65
25) 2-Butanone	7.357	43	2132	0.231	ug/l #	48
31) Cyclohexane	8.081	56	17967	0.957	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	67427	4.750	ug/l #	49
38) Carbon Tetrachloride	8.087	117	86500	6.300	ug/l #	17
43) Isopropyl Acetate	8.669	43	149776	5.127	ug/l #	56
71) Bromoform	12.727	173	3550	0.453	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.739	83	518	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	325060	26.812	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	325060	73.676	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	78	2.999	ug/l #	5
95) Naphthalene	15.498	128	519	5.089	ug/l #	69

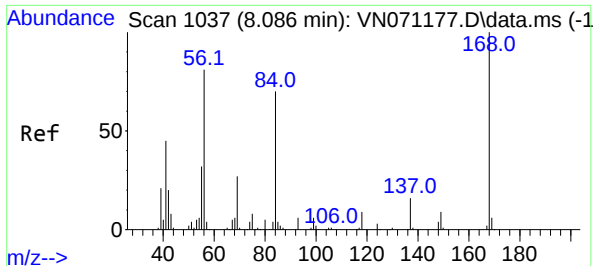
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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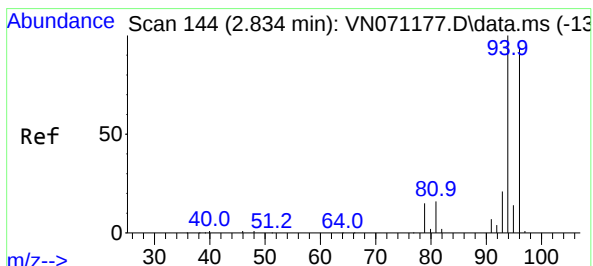
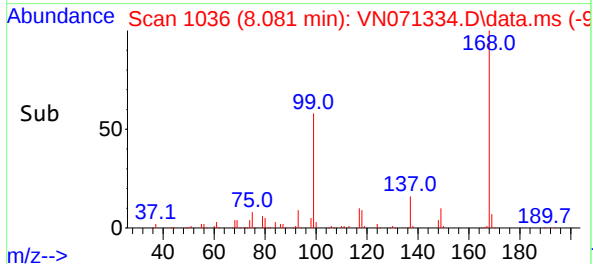
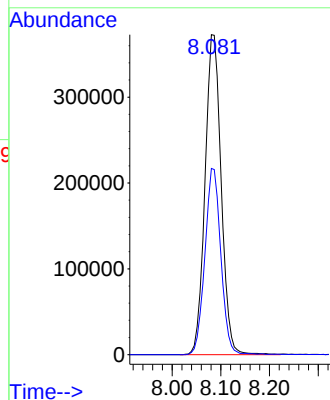
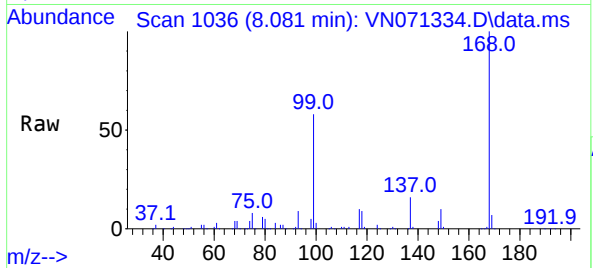




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

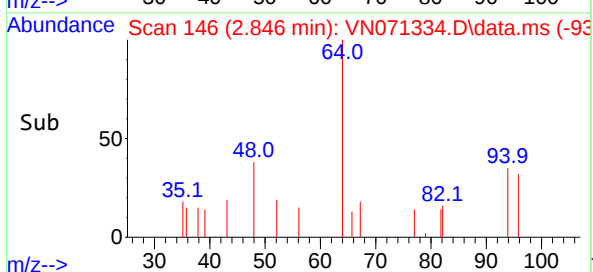
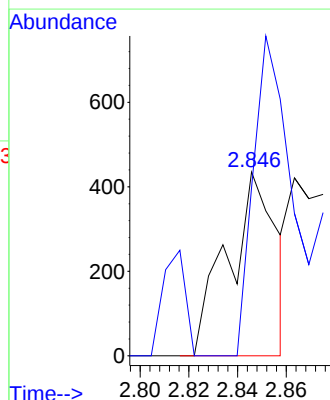
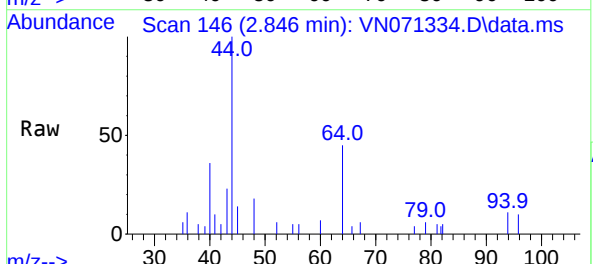
Instrument :
MSVOA_N
ClientSampleId :
MP-4

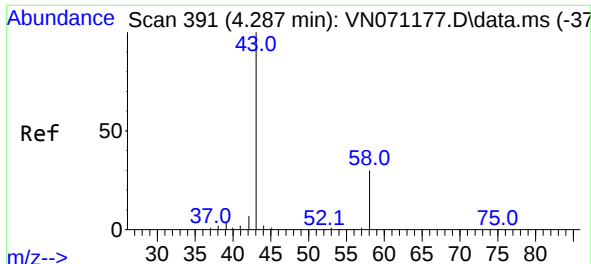
Tgt Ion:168 Resp: 858115
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 146
Delta R.T. 0.012 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion: 94 Resp: 595
Ion Ratio Lower Upper
94 100
96 34.0 73.8 110.8#

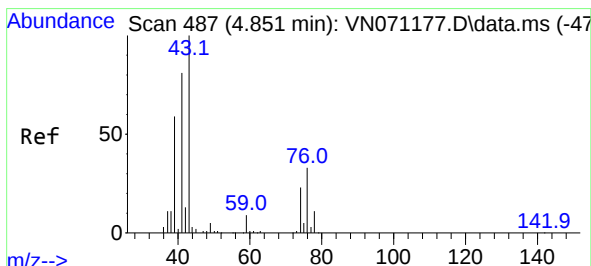
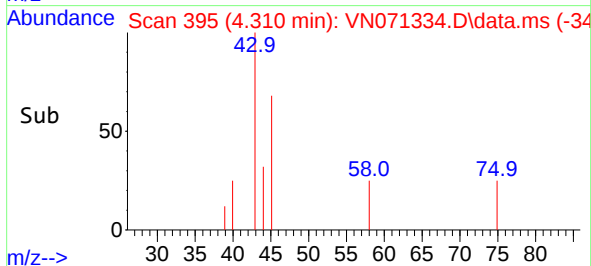
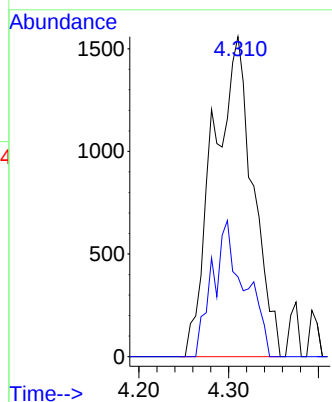
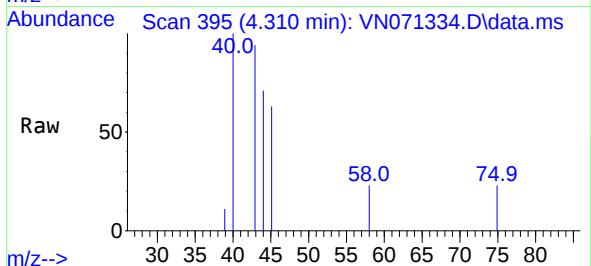




#16
Acetone
Concen: 0.838 ug/l
RT: 4.310 min Scan# 391
Delta R.T. 0.024 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

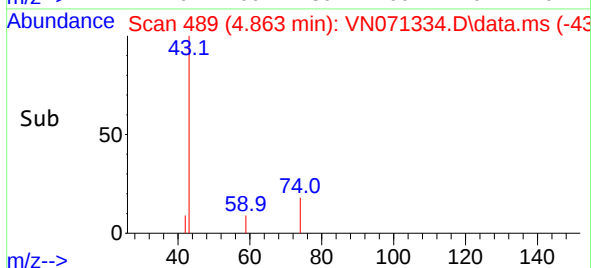
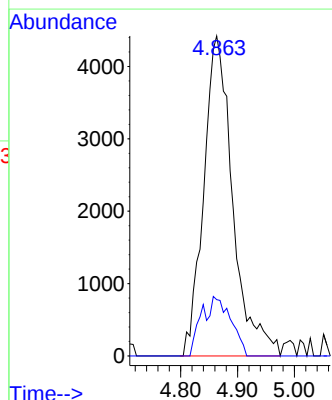
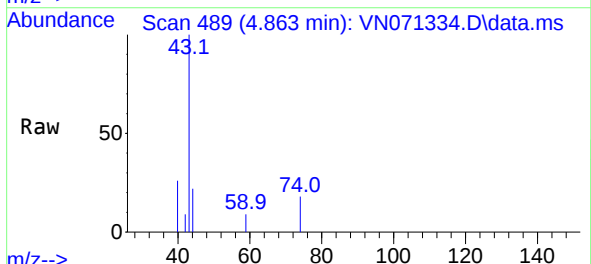
Instrument :
MSVOA_N
ClientSampleId :
MP-4

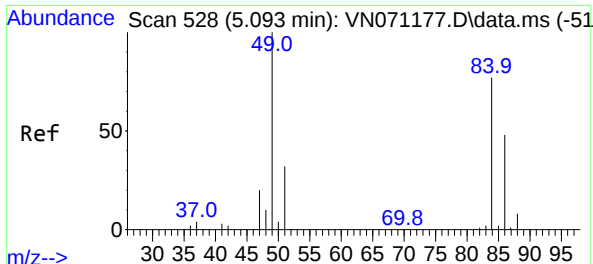
Tgt Ion: 43 Resp: 4797
Ion Ratio Lower Upper
43 100
58 25.0 23.1 34.7



#18
Methyl Acetate
Concen: 1.481 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion: 43 Resp: 15683
Ion Ratio Lower Upper
43 100
74 13.3 19.4 29.2#



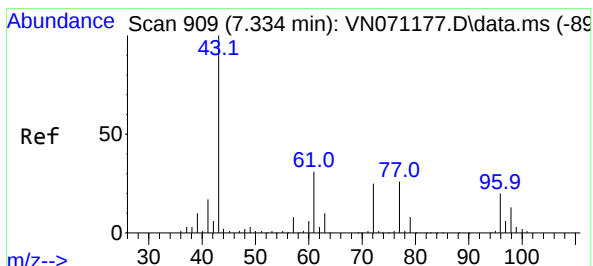
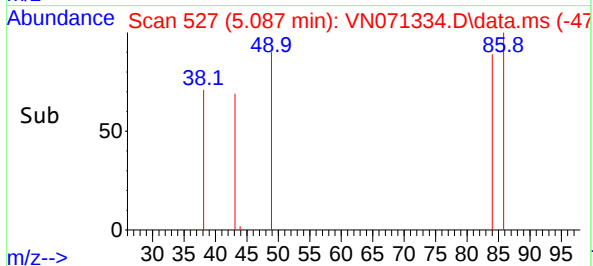
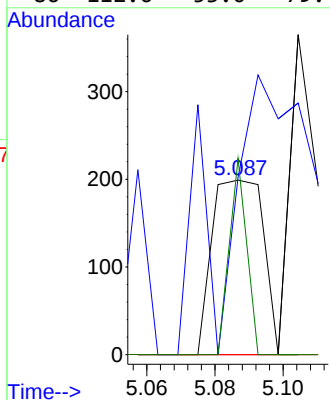
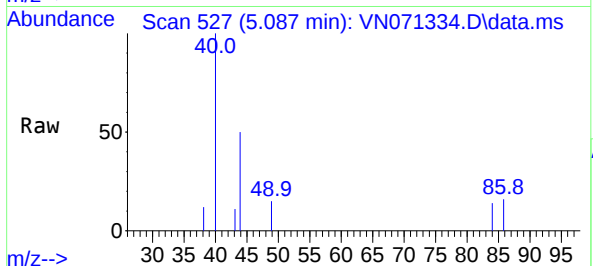


#20
Methylene Chloride
Concen: 0.401 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Instrument :
MSVOA_N
ClientSampleId :
MP-4

Tgt Ion: 84 Resp: 207

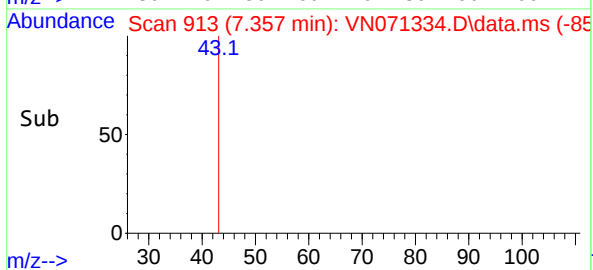
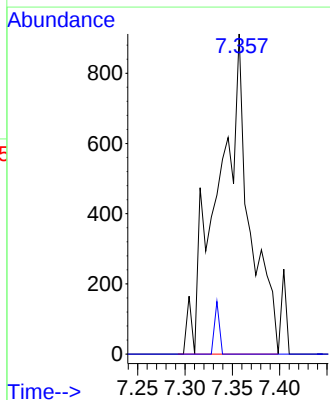
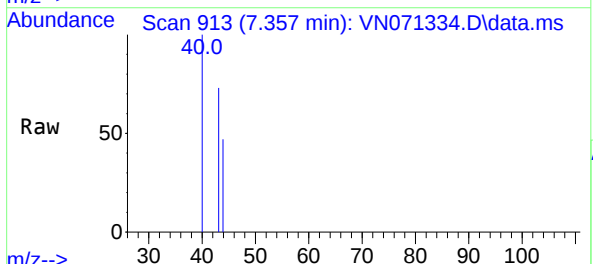
Ion	Ratio	Lower	Upper
84	100		
49	101.5	93.5	140.3
51	0.0	29.4	44.2#
86	112.6	53.0	79.4#

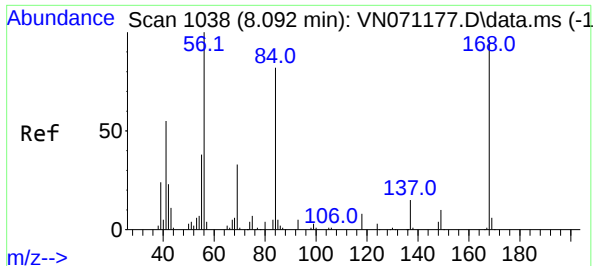


#25
2-Butanone
Concen: 0.231 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.024 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion: 43 Resp: 2132

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#31

Cyclohexane

Concen: 0.957 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071334.D

Acq: 16 Mar 2022 20:49

Instrument :

MSVOA_N

ClientSampleId :

MP-4

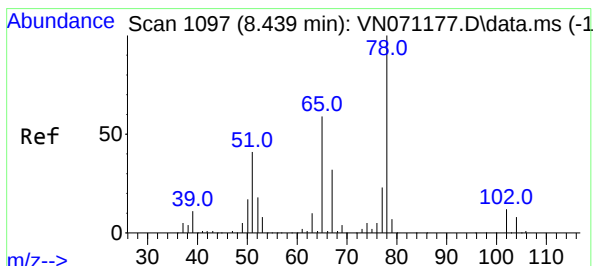
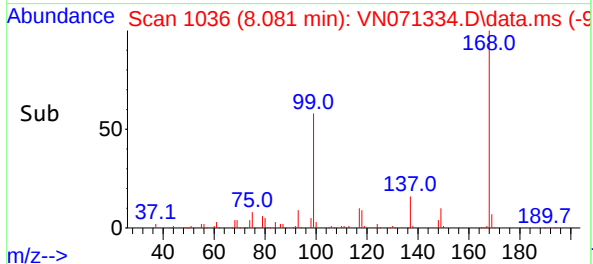
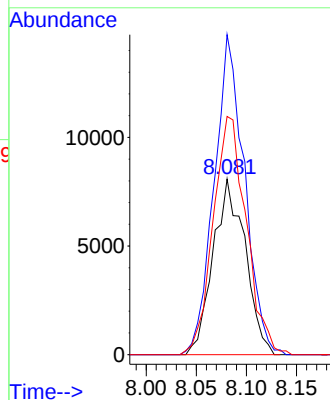
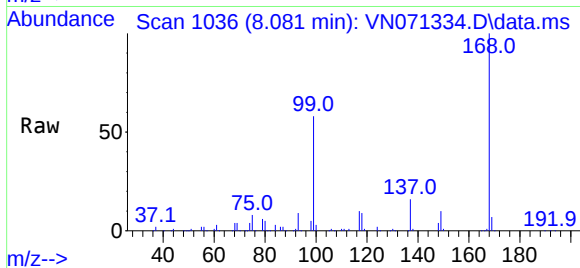
Tgt Ion: 56 Resp: 17967

Ion Ratio Lower Upper

56 100

69 182.1 27.1 40.7#

84 135.6 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.872 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071334.D

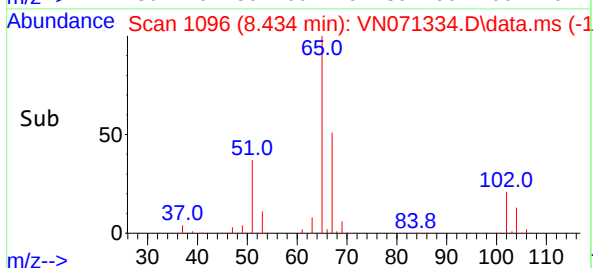
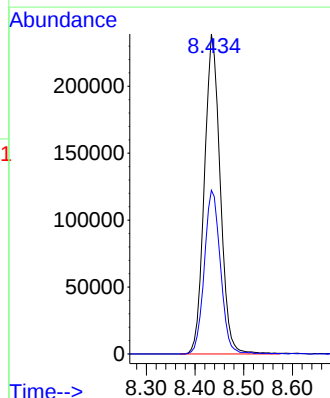
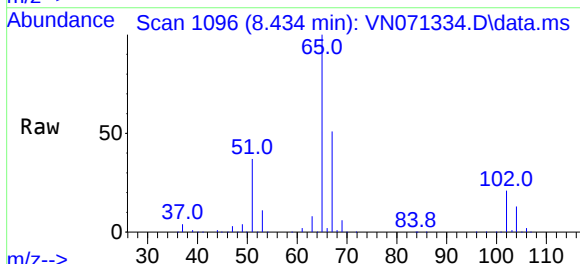
Acq: 16 Mar 2022 20:49

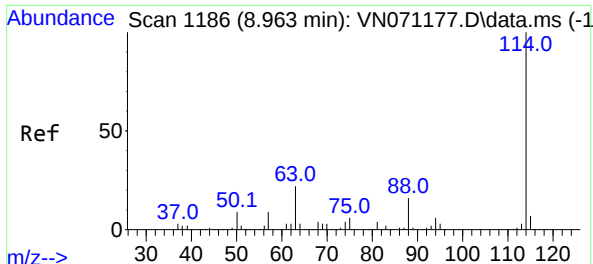
Tgt Ion: 65 Resp: 539489

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0

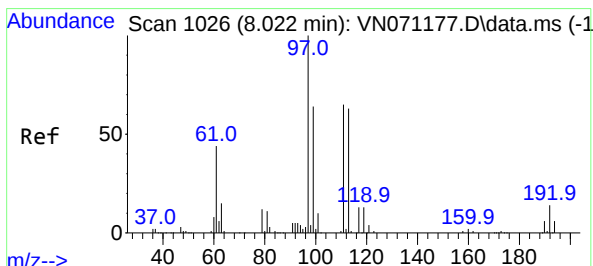
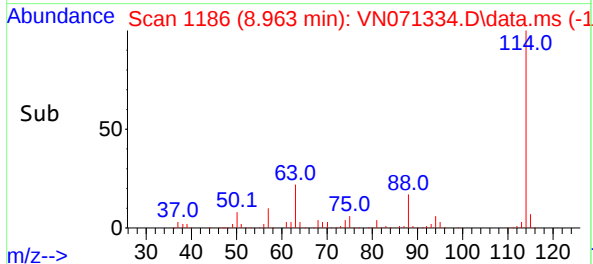
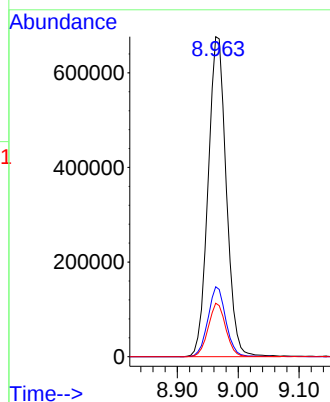
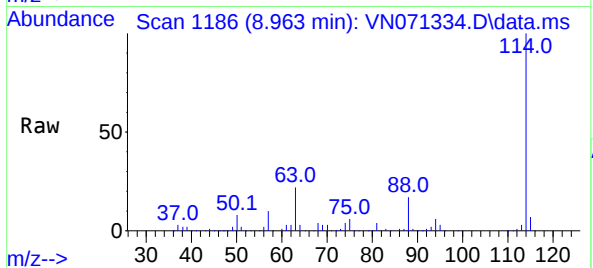




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

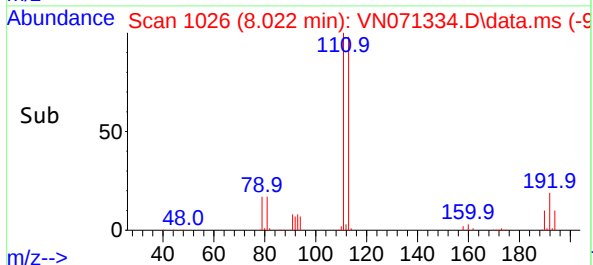
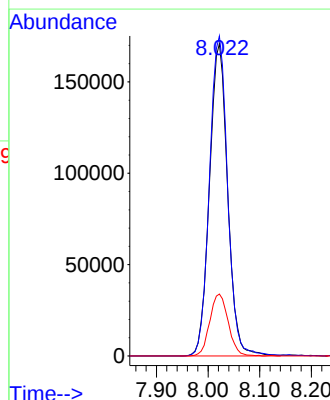
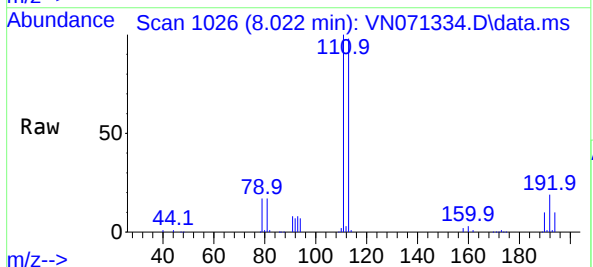
Instrument :
MSVOA_N
ClientSampleId :
MP-4

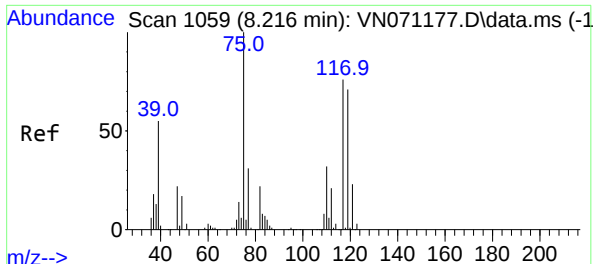
Tgt Ion:114 Resp: 1404073
Ion Ratio Lower Upper
114 100
63 21.9 0.0 37.8
88 16.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.103 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion:113 Resp: 417342
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.750 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071334.D

Acq: 16 Mar 2022 20:49

Instrument :

MSVOA_N

ClientSampleId :

MP-4

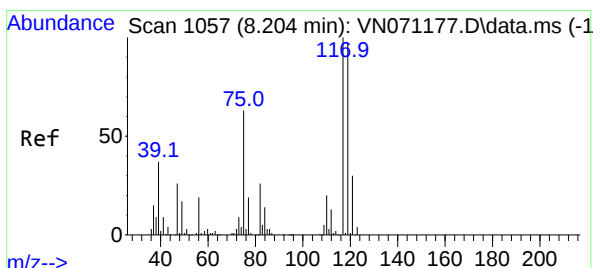
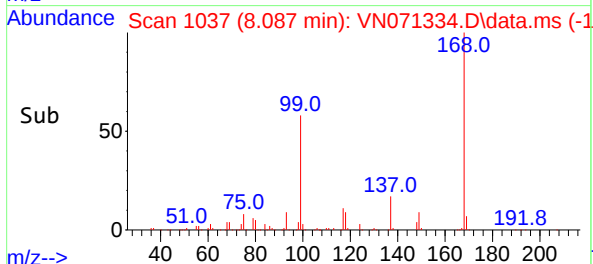
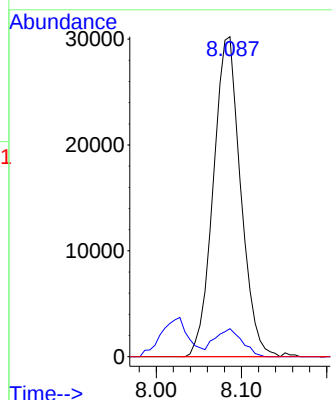
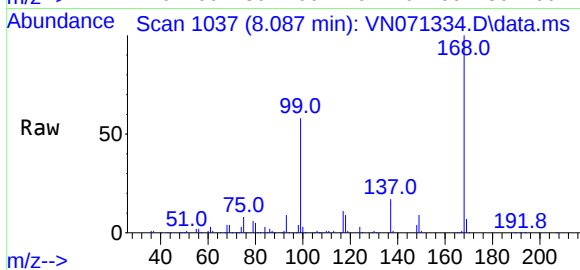
Tgt Ion: 75 Resp: 67427

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.300 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071334.D

Acq: 16 Mar 2022 20:49

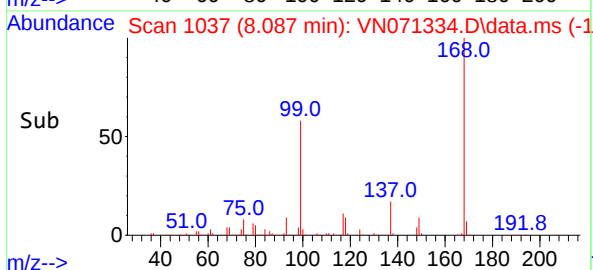
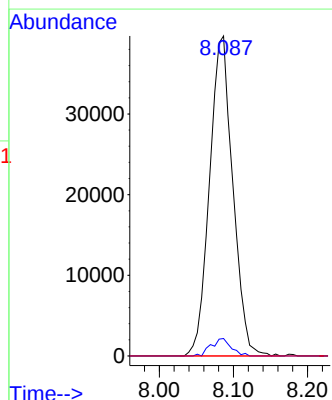
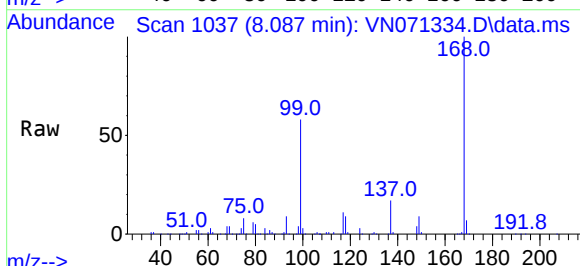
Tgt Ion: 117 Resp: 86500

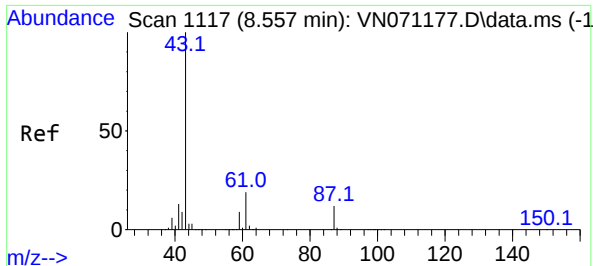
Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

121 0.0 24.2 36.2#

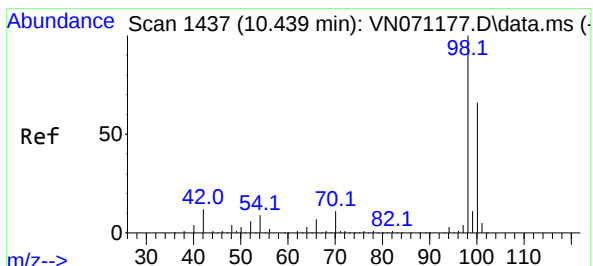
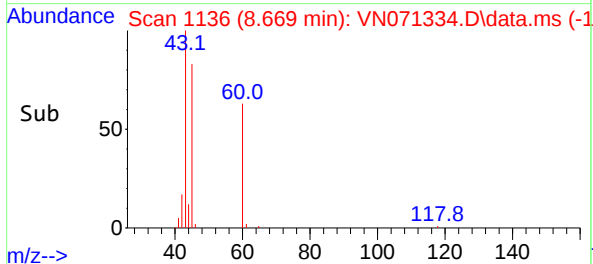
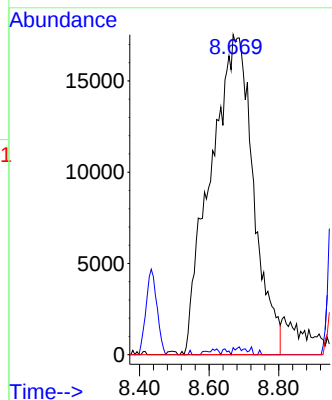
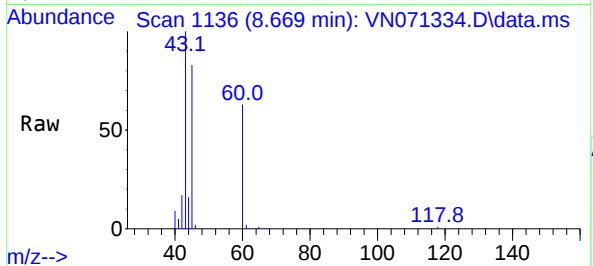




#43
Isopropyl Acetate
Concen: 5.127 ug/l
RT: 8.669 min Scan# 1117
Delta R.T. 0.112 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

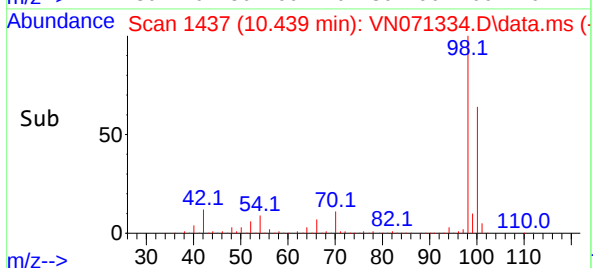
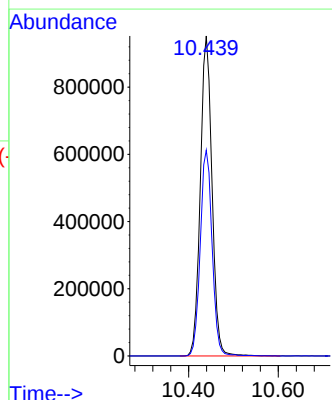
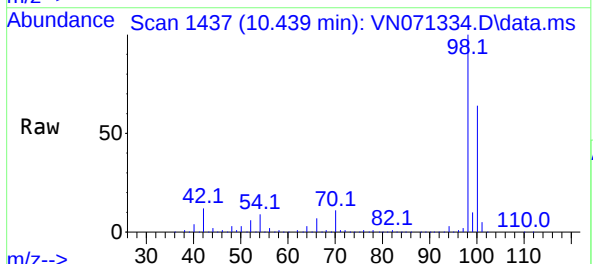
Instrument :
MSVOA_N
ClientSampleId :
MP-4

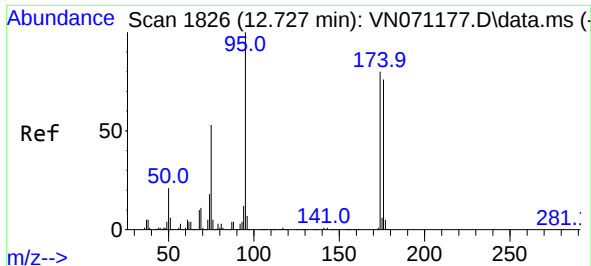
Tgt Ion: 43 Resp: 149776
Ion Ratio Lower Upper
43 100
61 0.6 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.110 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion: 98 Resp: 1716259
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

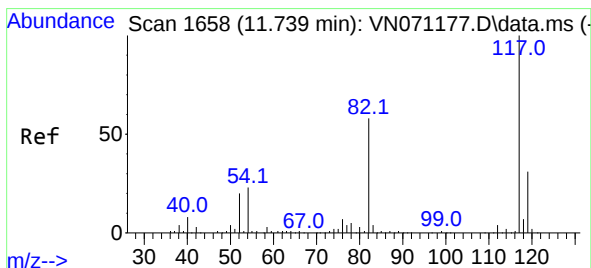
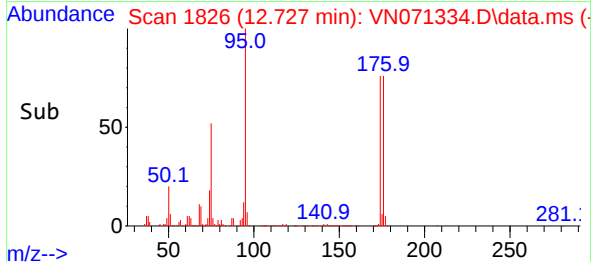
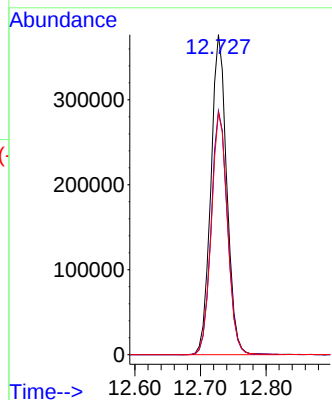
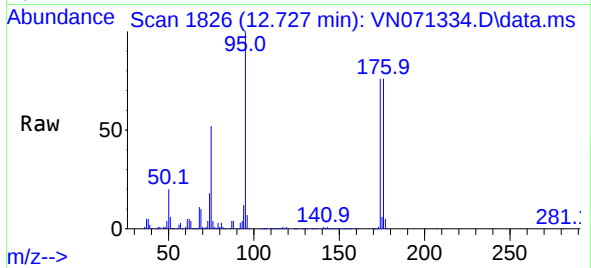




#62
4-Bromofluorobenzene
Concen: 52.424 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

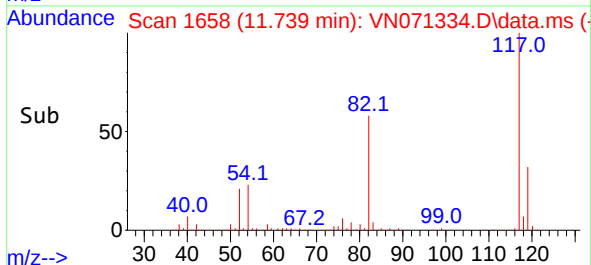
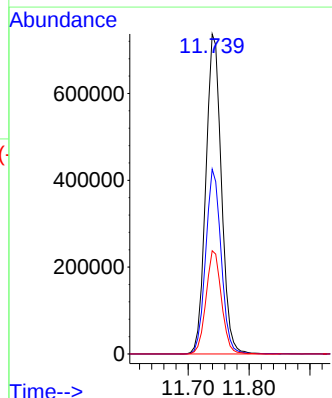
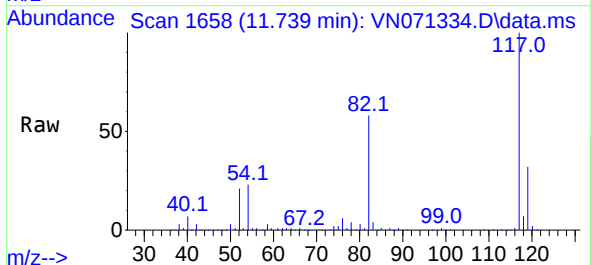
Instrument :
MSVOA_N
ClientSampleId :
MP-4

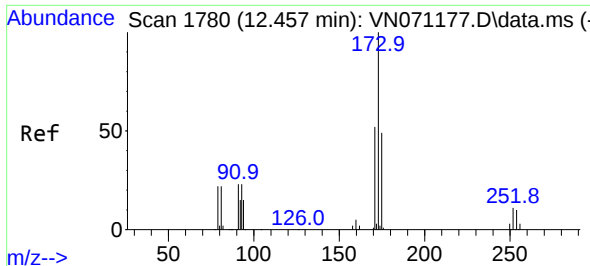
Tgt Ion: 95 Resp: 633286
Ion Ratio Lower Upper
95 100
174 77.9 0.0 187.2
176 76.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion: 117 Resp: 1309261
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 32.3 25.4 38.2

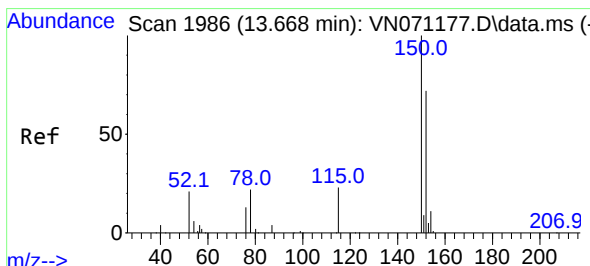
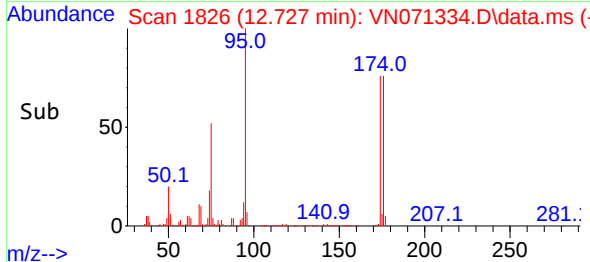
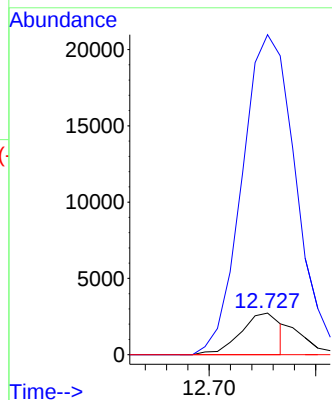
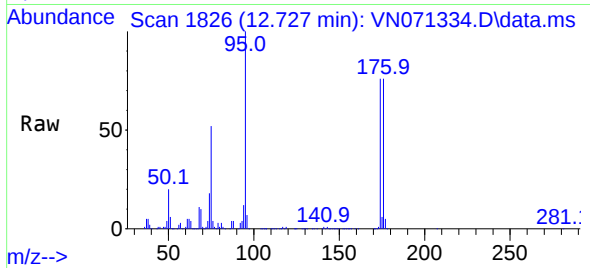




#71
Bromoform
Concen: 0.453 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

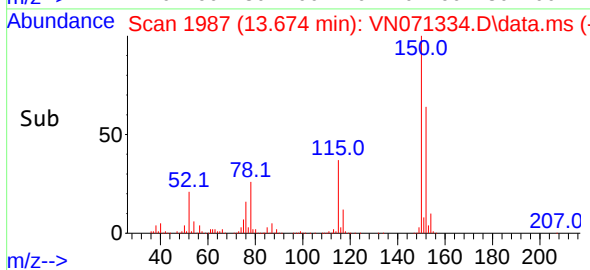
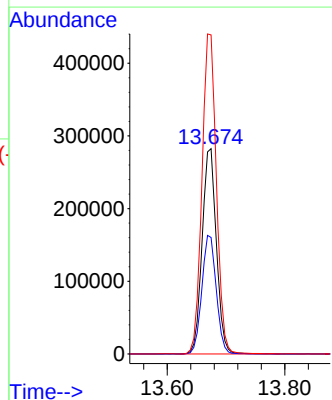
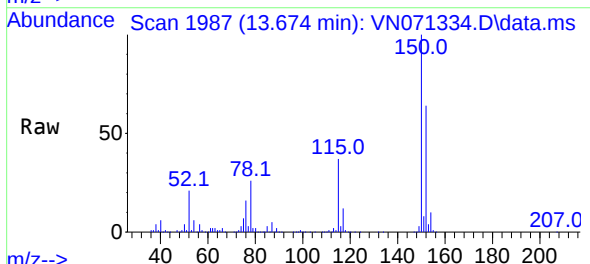
Instrument :
MSVOA_N
ClientSampleId :
MP-4

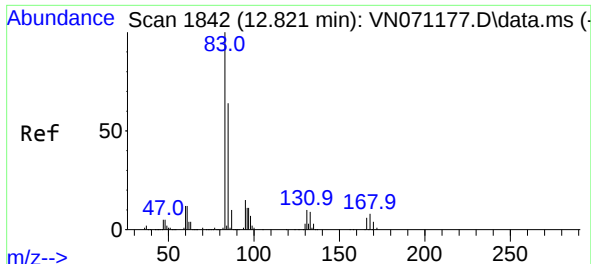
Tgt Ion:173 Resp: 3550
Ion Ratio Lower Upper
173 100
175 788.2 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion:152 Resp: 476938
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 157.8 0.0 344.4

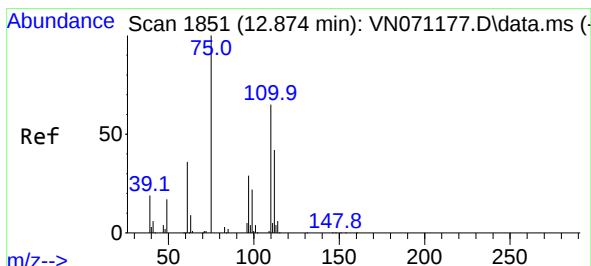
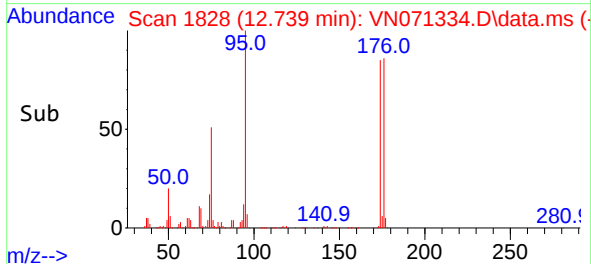
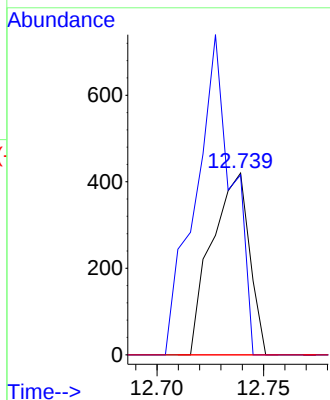
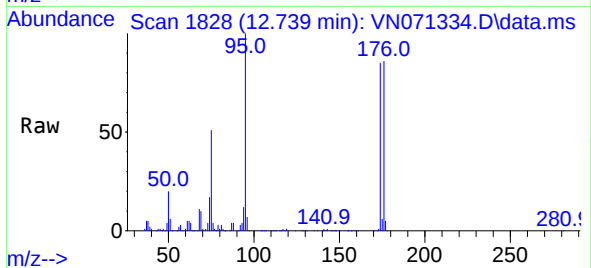




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.739 min Scan# 1828
Delta R.T. -0.082 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

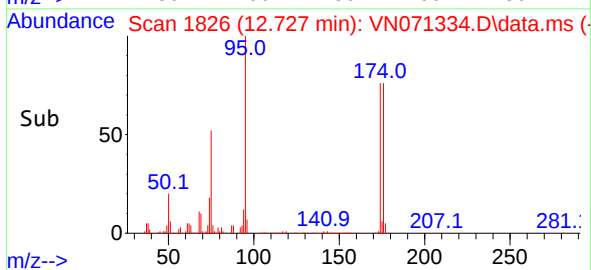
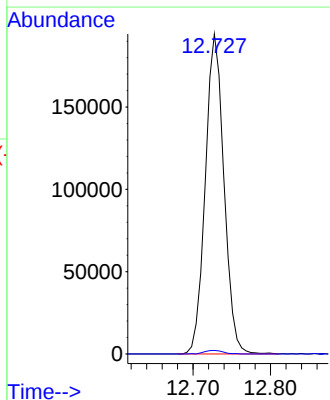
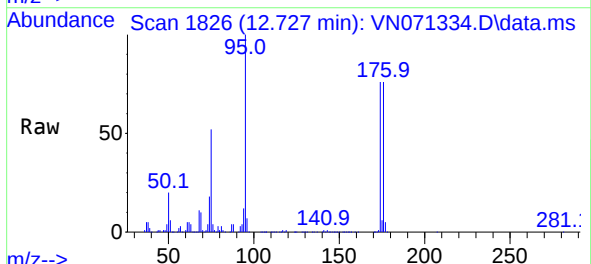
Instrument :
MSVOA_N
ClientSampleId :
MP-4

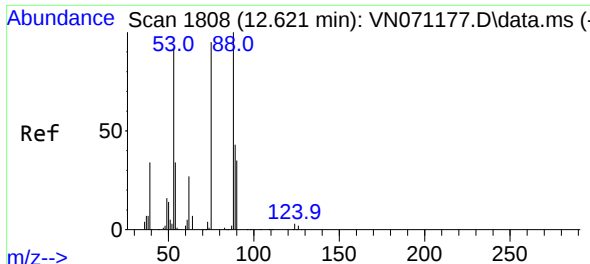
Tgt Ion: 83 Resp: 518
Ion Ratio Lower Upper
83 100
131 172.2 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.812 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion: 75 Resp: 325060
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

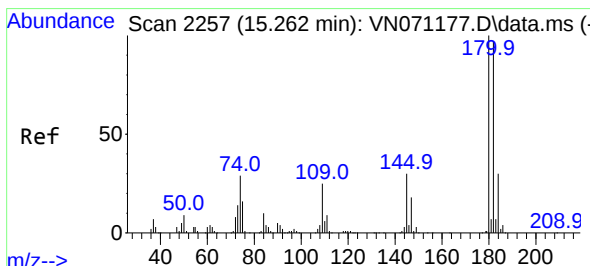
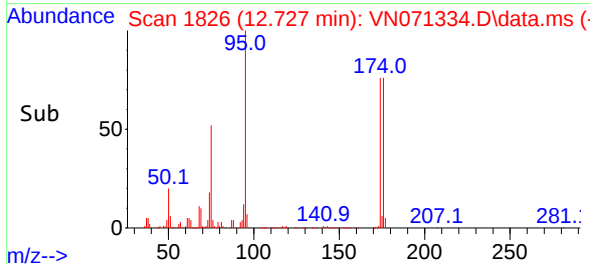
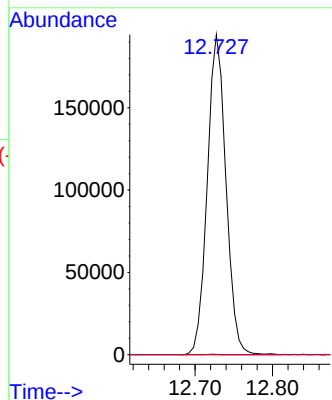
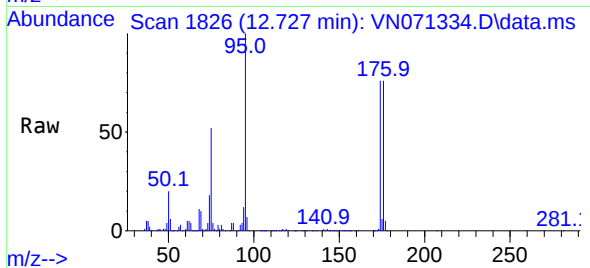




#81
trans-1,4-Dichloro-2-butene
Concen: 73.676 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

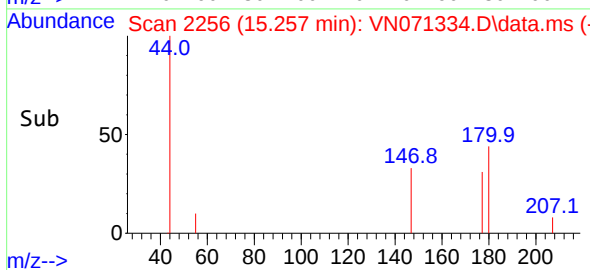
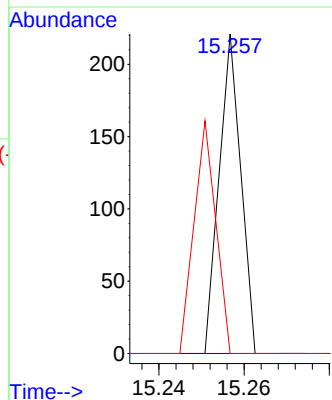
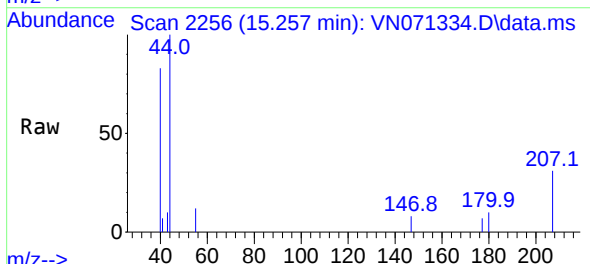
Instrument :
MSVOA_N
ClientSampleId :
MP-4

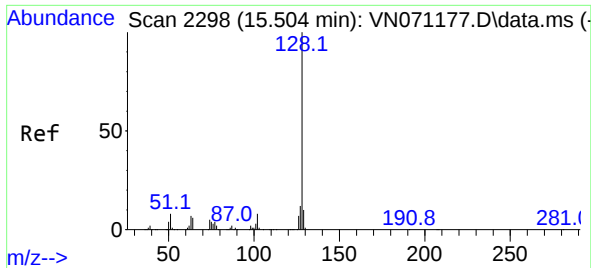
Tgt Ion: 75 Resp: 325060
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.999 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Tgt Ion:180 Resp: 78
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 73.1 14.5 43.5#





#95
Naphthalene
Concen: 5.089 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071334.D
Acq: 16 Mar 2022 20:49

Instrument :
MSVOA_N
ClientSampleId :
MP-4

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

