

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071332.D
 Acq On : 16 Mar 2022 20:01
 Operator : JC\MD
 Sample : N1957-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-2

Quant Time: Mar 17 05:21:15 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)

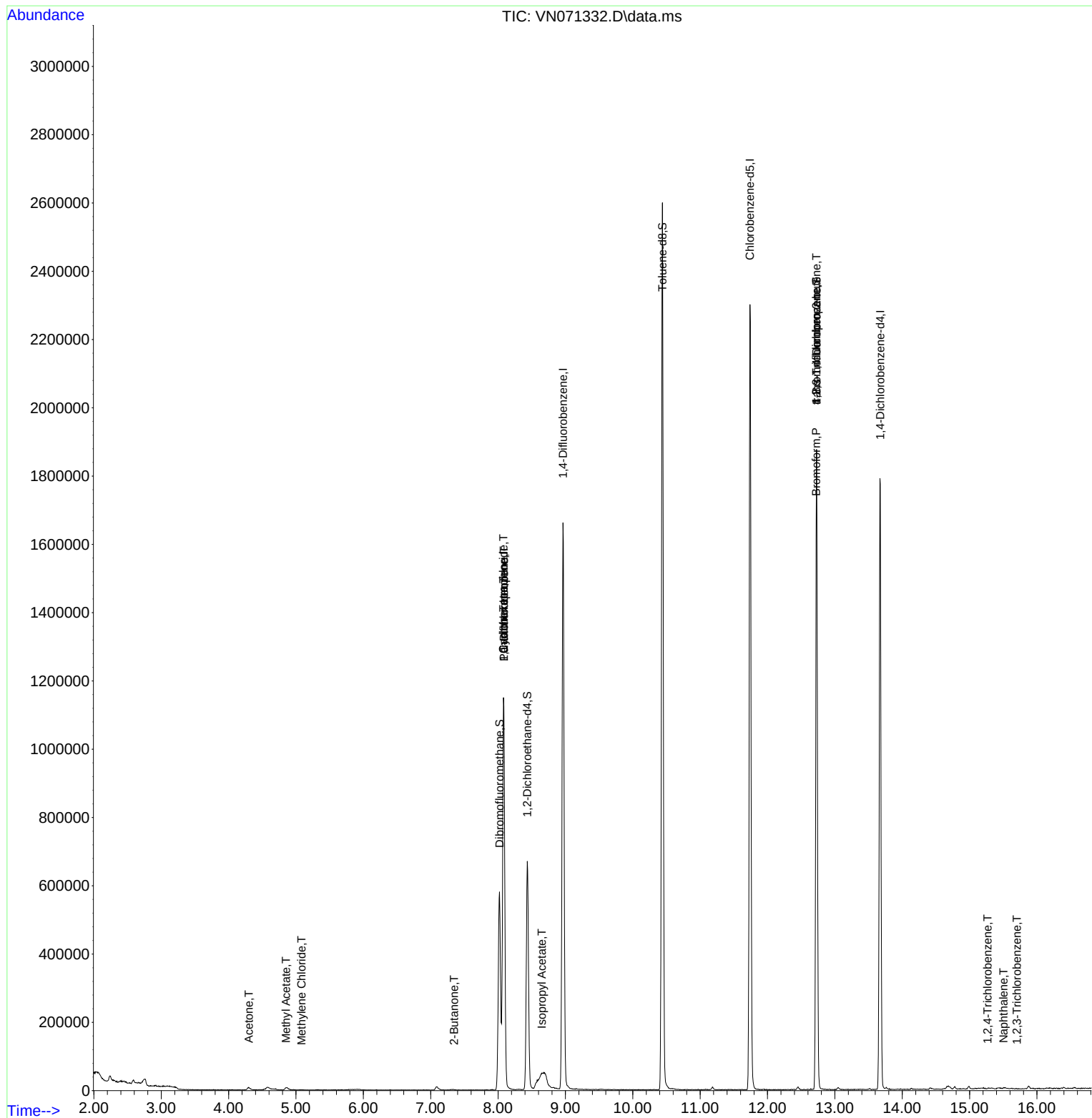
Internal Standards						
1) Pentafluorobenzene	8.086	168	890438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1462319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1350635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	496727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	554803	45.462	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.920%		
35) Dibromofluoromethane	8.022	113	426504	46.220	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.440%		
50) Toluene-d8	10.439	98	1772697	47.713	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.420%		
62) 4-Bromofluorobenzene	12.727	95	653855	51.971	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.940%		
Target Compounds						
5) Bromomethane	2.857	94	1231	Below Cal		90
16) Acetone	4.298	43	9937	1.673	ug/l	96
18) Methyl Acetate	4.851	43	17152	1.535	ug/l	92
20) Methylene Chloride	5.081	84	296	0.409	ug/l #	37
25) 2-Butanone	7.345	43	2266	0.237	ug/l #	82
31) Cyclohexane	8.081	56	18324	0.940	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	67513	4.566	ug/l #	50
38) Carbon Tetrachloride	8.081	117	86849	6.073	ug/l #	16
43) Isopropyl Acetate	8.651	43	74423	2.446	ug/l #	56
71) Bromoform	12.721	173	1704	0.211	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	574	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	338264	26.787	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	338264	73.614	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	58	2.996	ug/l #	1
95) Naphthalene	15.504	128	631	5.092	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	70	2.740	ug/l #	1

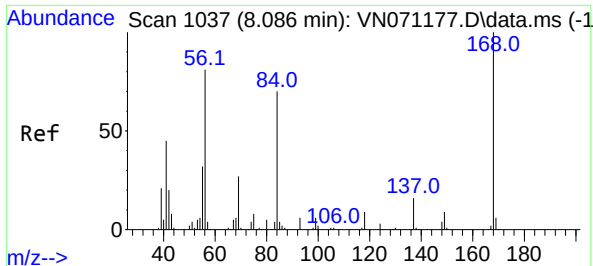
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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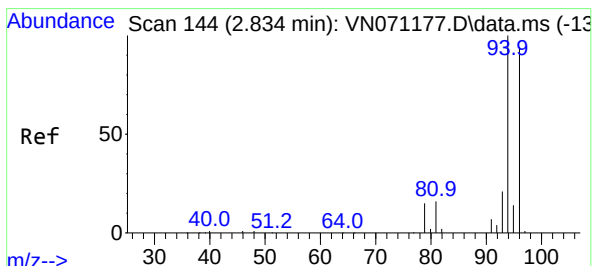
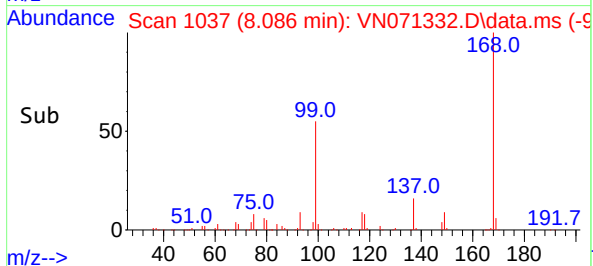
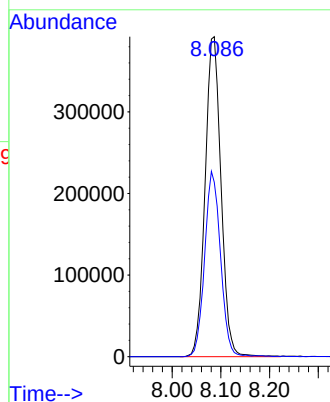
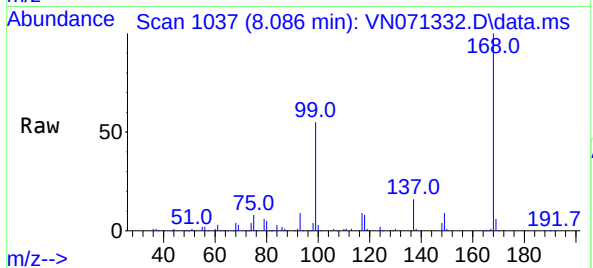




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

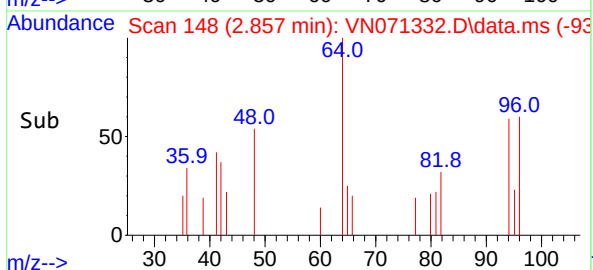
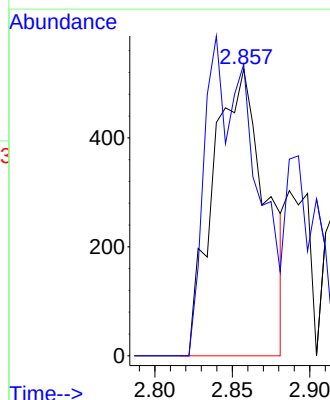
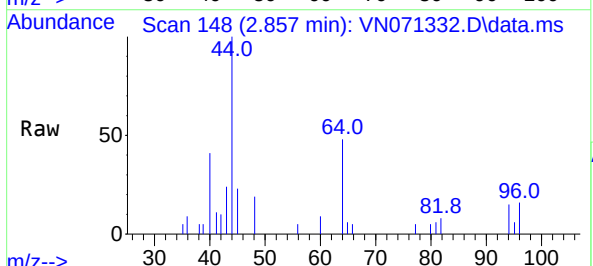
Instrument :
MSVOA_N
ClientSampleId :
MP-2

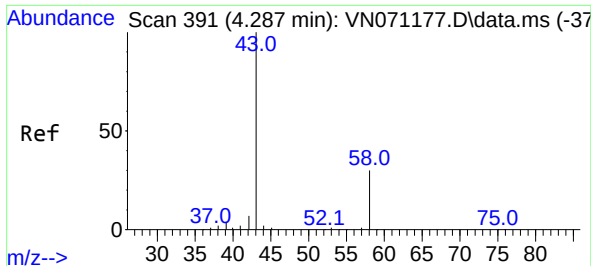
Tgt Ion:168 Resp: 890438
Ion Ratio Lower Upper
168 100
99 54.5 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 148
Delta R.T. 0.023 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion: 94 Resp: 1231
Ion Ratio Lower Upper
94 100
96 101.7 73.8 110.8

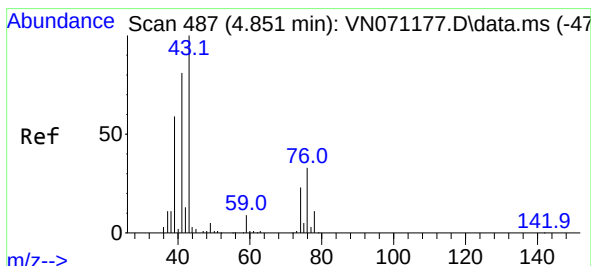
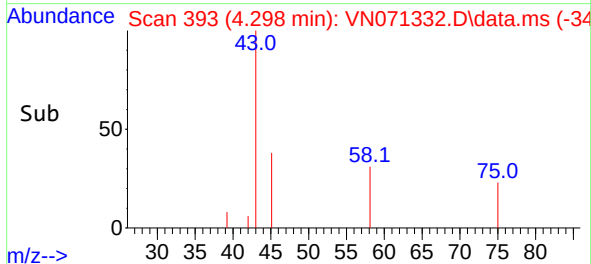
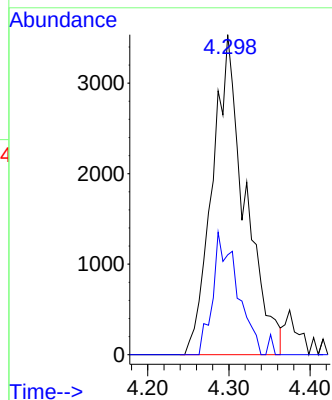
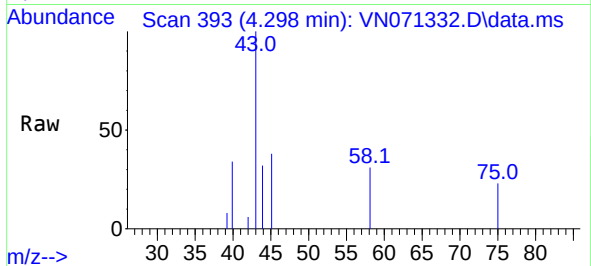




#16
Acetone
Concen: 1.673 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

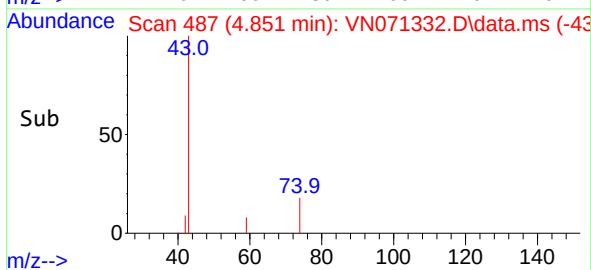
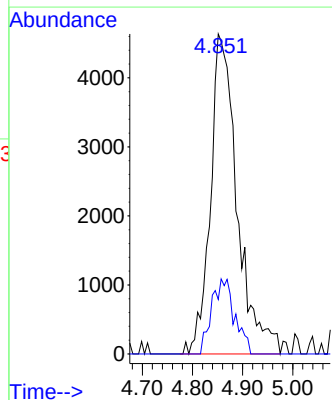
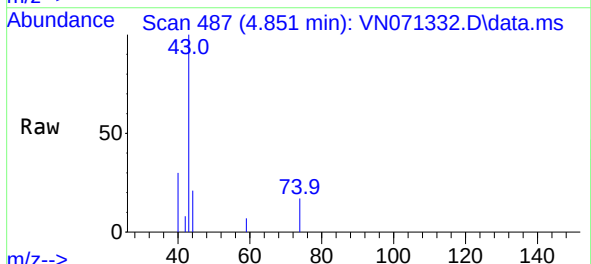
Instrument :
MSVOA_N
ClientSampleId :
MP-2

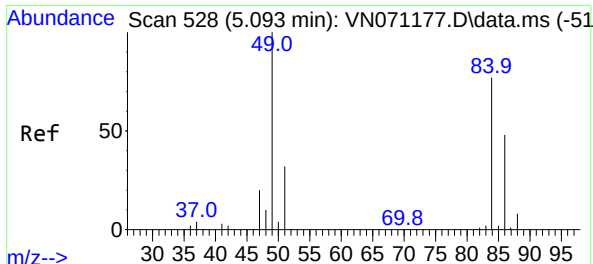
Tgt Ion: 43 Resp: 9937
Ion Ratio Lower Upper
43 100
58 31.2 23.1 34.7



#18
Methyl Acetate
Concen: 1.535 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion: 43 Resp: 17152
Ion Ratio Lower Upper
43 100
74 20.2 19.4 29.2



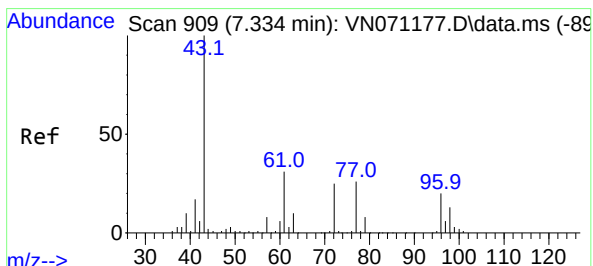
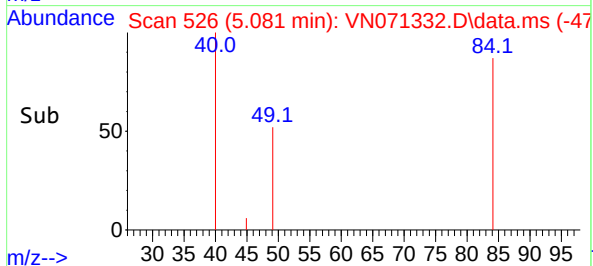
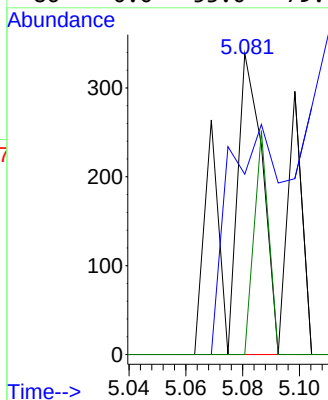
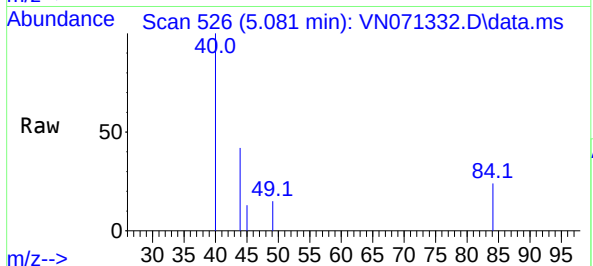


#20
Methylene Chloride
Concen: 0.409 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Instrument :
MSVOA_N
ClientSampleId :
MP-2

Tgt Ion: 84 Resp: 296

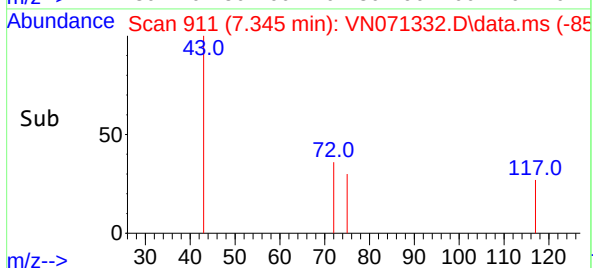
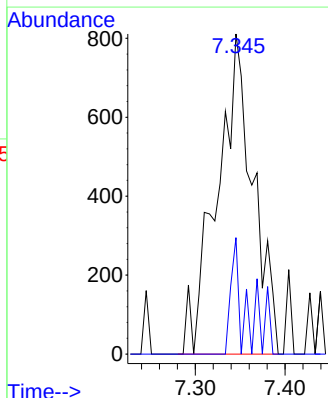
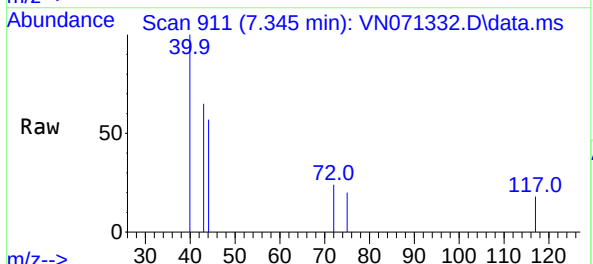
Ion	Ratio	Lower	Upper
84	100		
49	59.9	93.5	140.3#
51	0.0	29.4	44.2#
86	0.0	53.0	79.4#

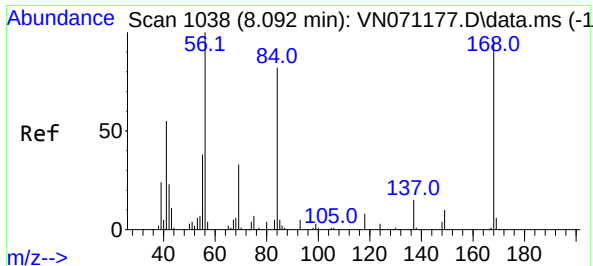


#25
2-Butanone
Concen: 0.237 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion: 43 Resp: 2266

Ion	Ratio	Lower	Upper
43	100		
72	36.4	21.7	32.5#





#31

Cyclohexane

Concen: 0.940 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071332.D

Acq: 16 Mar 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

MP-2

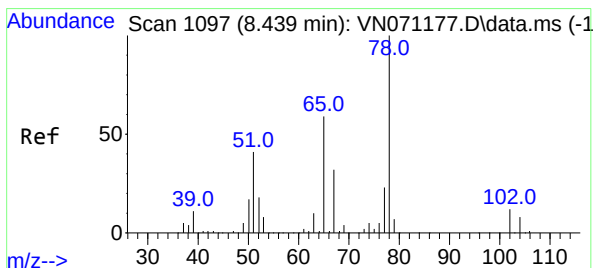
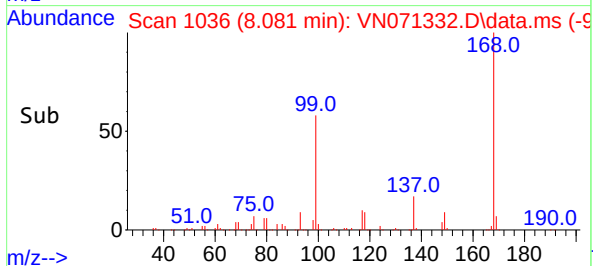
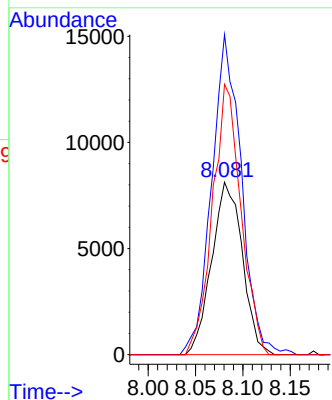
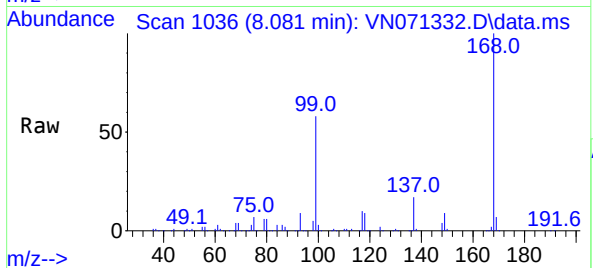
Tgt Ion: 56 Resp: 18324

Ion Ratio Lower Upper

56 100

69 185.6 27.1 40.7#

84 156.8 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.462 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071332.D

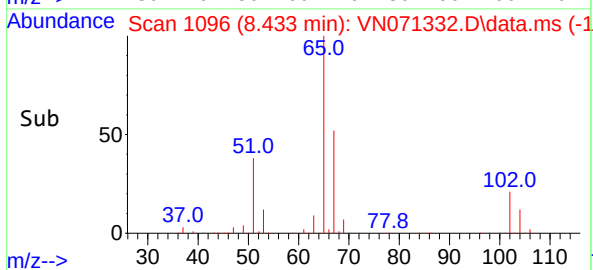
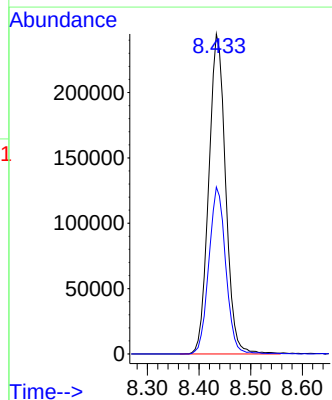
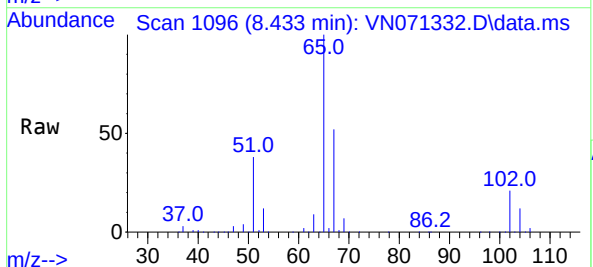
Acq: 16 Mar 2022 20:01

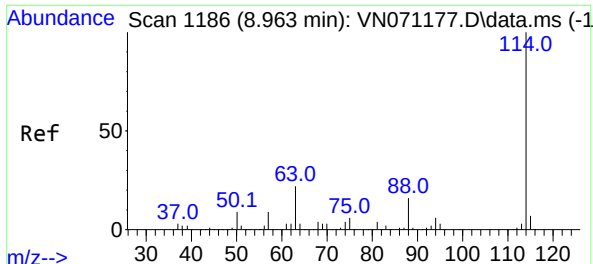
Tgt Ion: 65 Resp: 554803

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.0

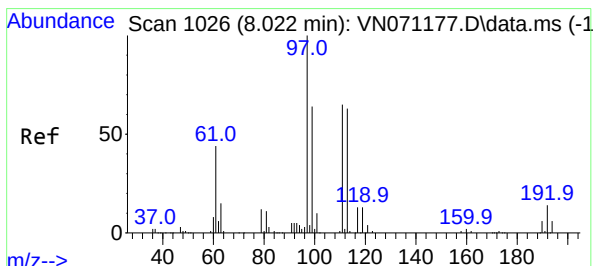
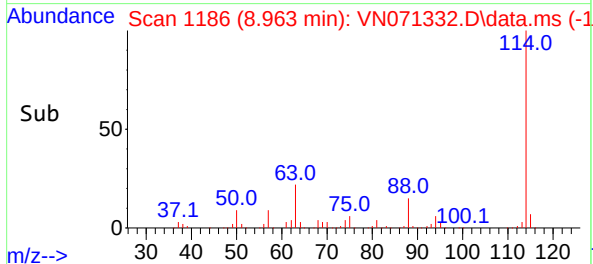
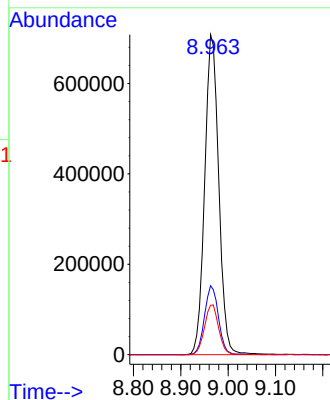
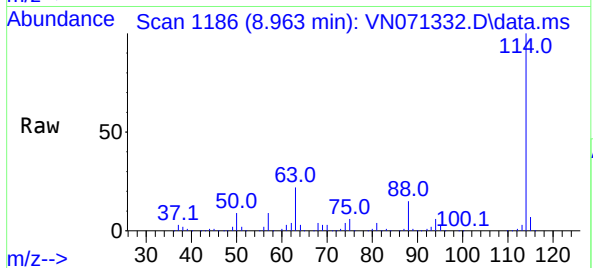




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

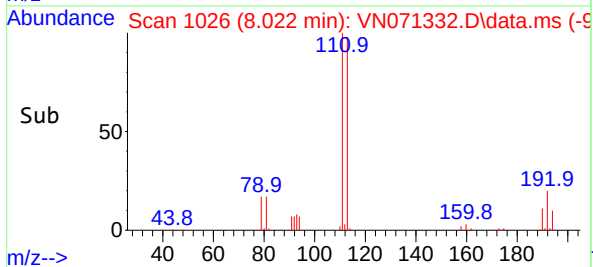
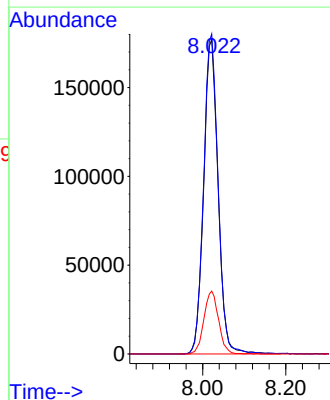
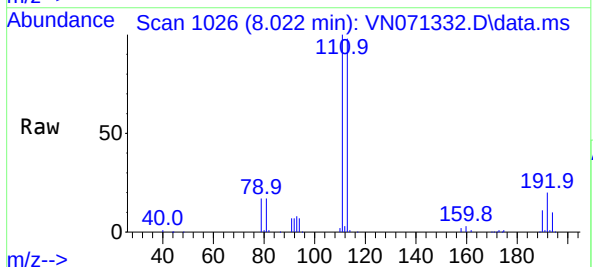
Instrument :
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ClientSampleId :
MP-2

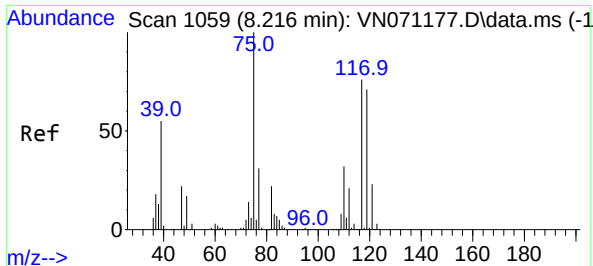
Tgt Ion:114 Resp: 1462319
Ion Ratio Lower Upper
114 100
63 21.6 0.0 37.8
88 15.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.220 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion:113 Resp: 426504
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071332.D

Acq: 16 Mar 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

MP-2

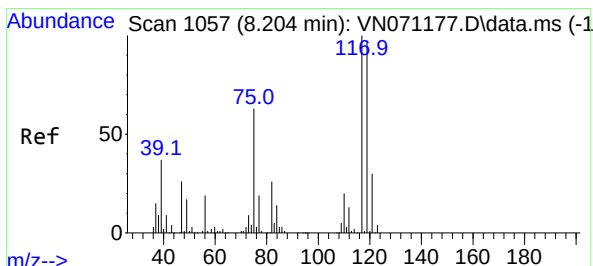
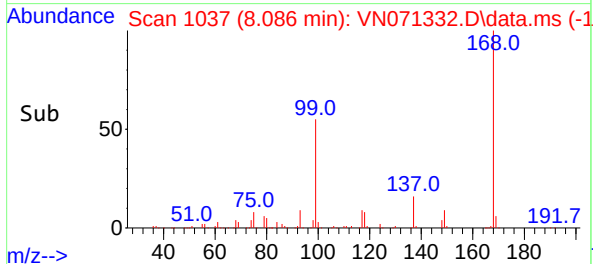
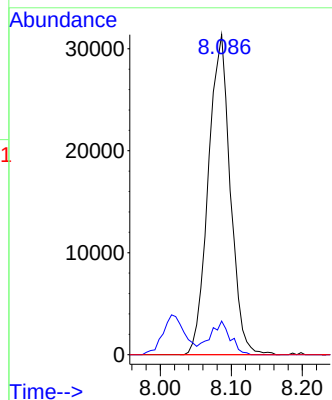
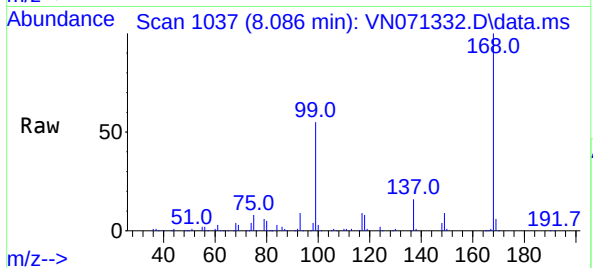
Tgt Ion: 75 Resp: 67513

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.073 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071332.D

Acq: 16 Mar 2022 20:01

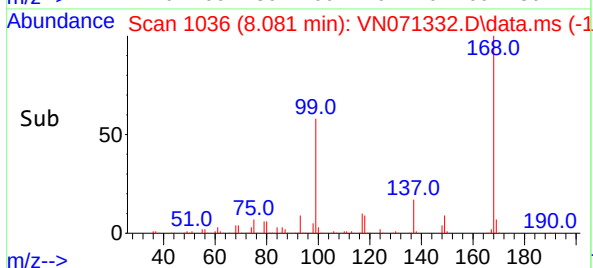
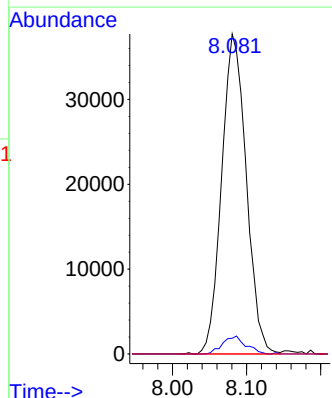
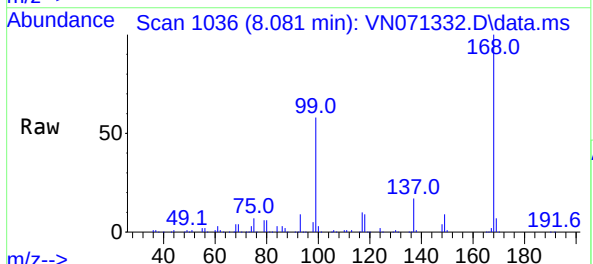
Tgt Ion: 117 Resp: 86849

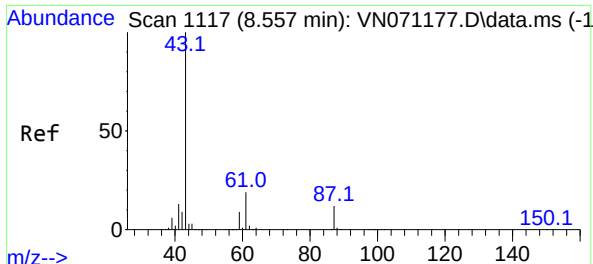
Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 2.446 ug/l

RT: 8.651 min Scan# 1117

Delta R.T. 0.094 min

Lab File: VN071332.D

Acq: 16 Mar 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

MP-2

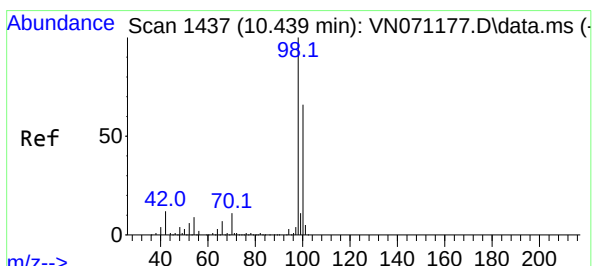
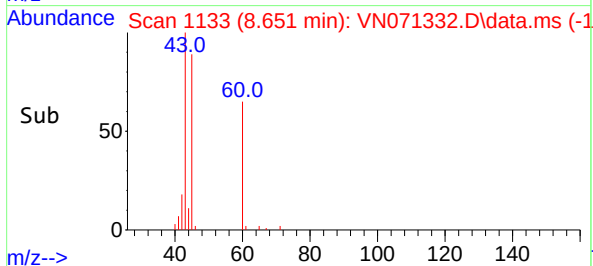
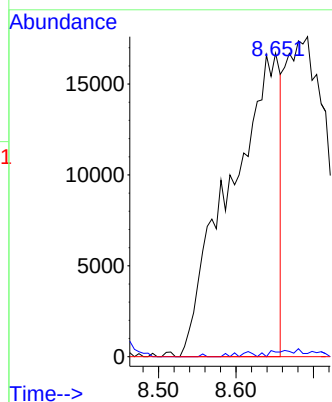
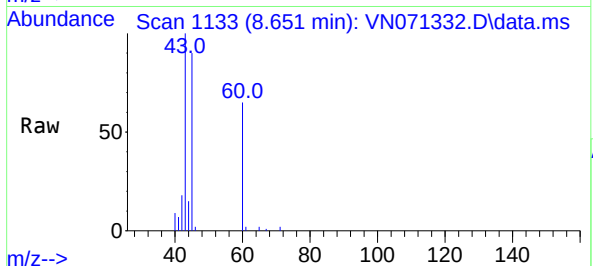
Tgt Ion: 43 Resp: 74423

Ion Ratio Lower Upper

43 100

61 0.9 20.4 30.6#

87 0.0 11.2 16.8#



#50

Toluene-d8

Concen: 47.713 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071332.D

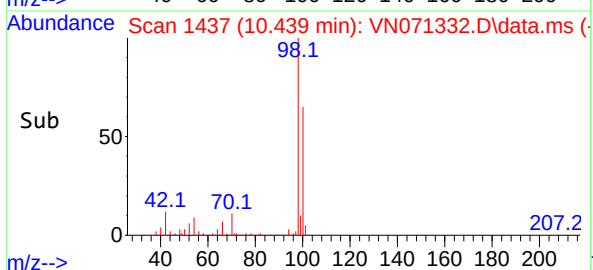
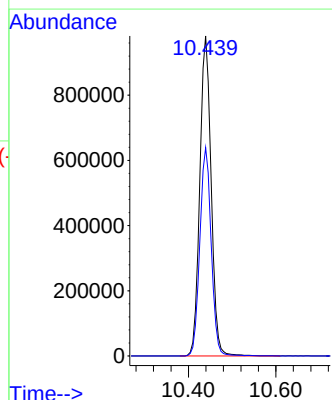
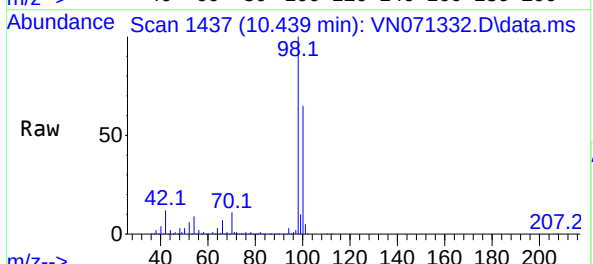
Acq: 16 Mar 2022 20:01

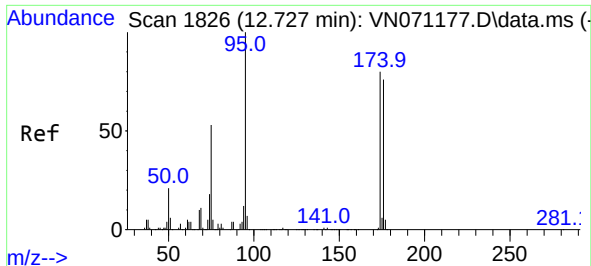
Tgt Ion: 98 Resp: 1772697

Ion Ratio Lower Upper

98 100

100 65.3 50.4 75.6

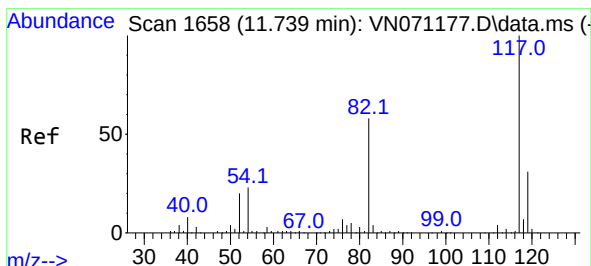
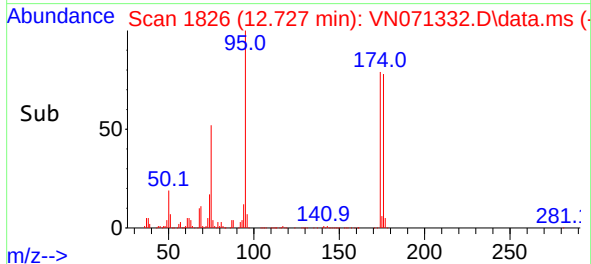
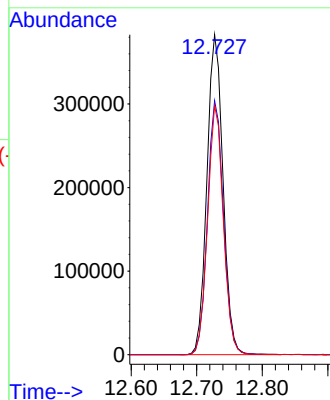
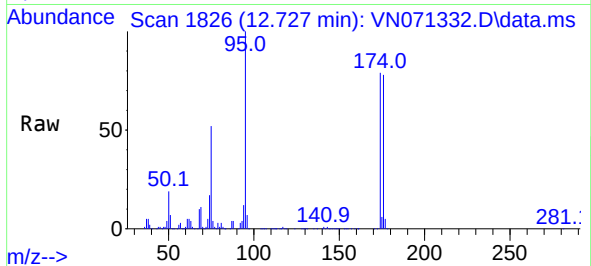




#62
4-Bromofluorobenzene
Concen: 51.971 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

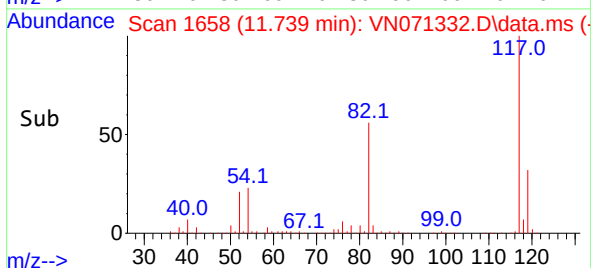
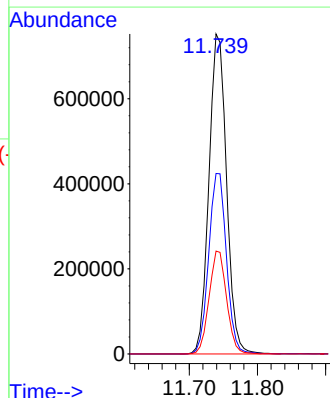
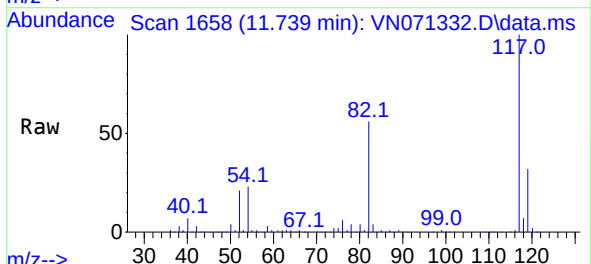
Instrument :
MSVOA_N
ClientSampleId :
MP-2

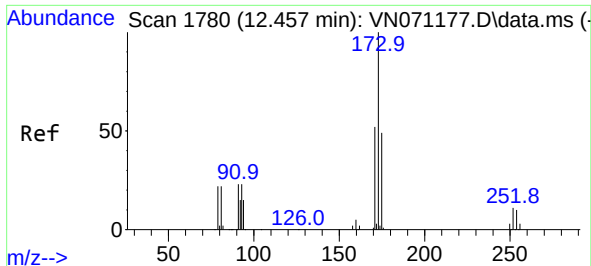
Tgt Ion: 95 Resp: 653855
Ion Ratio Lower Upper
95 100
174 79.1 0.0 187.2
176 76.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion: 117 Resp: 1350635
Ion Ratio Lower Upper
117 100
82 56.4 42.4 63.6
119 32.2 25.4 38.2

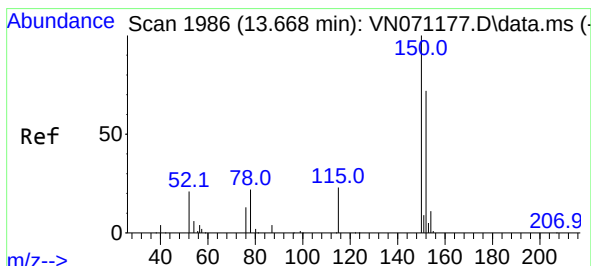
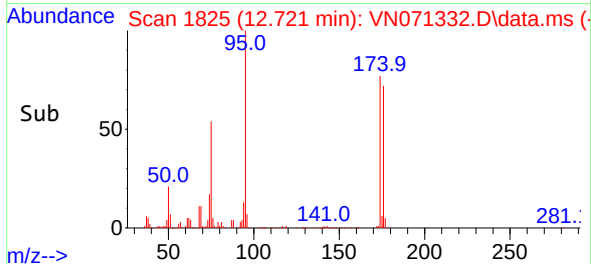
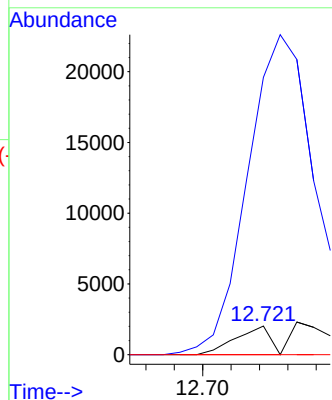
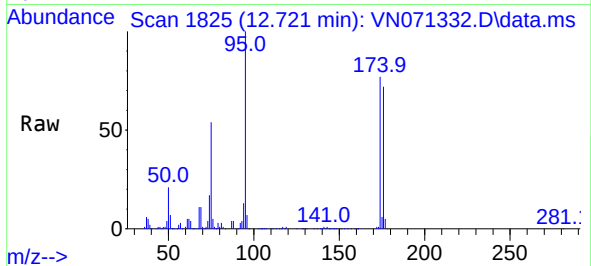




#71
Bromoform
Concen: 0.211 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

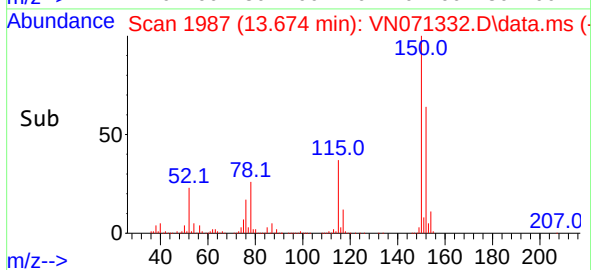
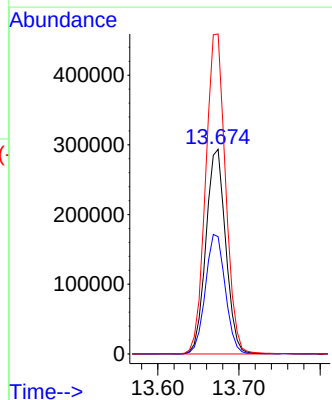
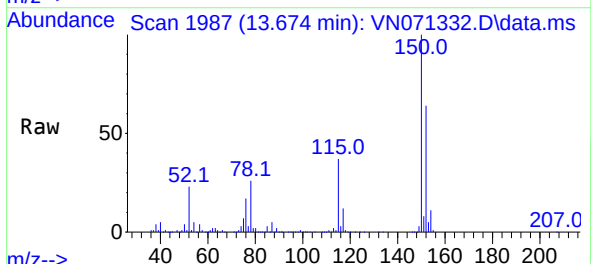
Instrument :
MSVOA_N
ClientSampleId :
MP-2

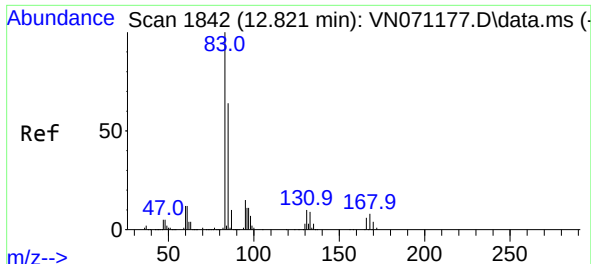
Tgt Ion:173 Resp: 1704
Ion Ratio Lower Upper
173 100
175 1711.8 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion:152 Resp: 496727
Ion Ratio Lower Upper
152 100
115 59.0 27.5 82.5
150 157.5 0.0 344.4

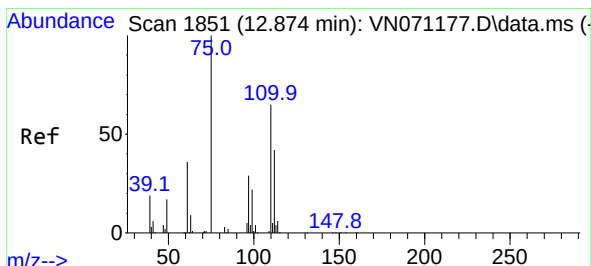
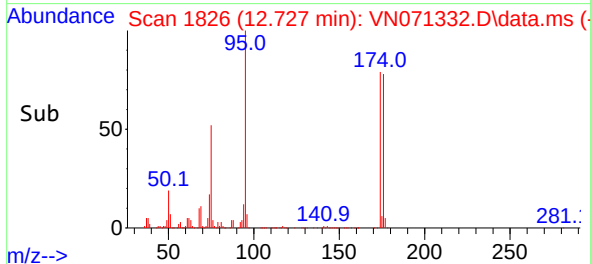
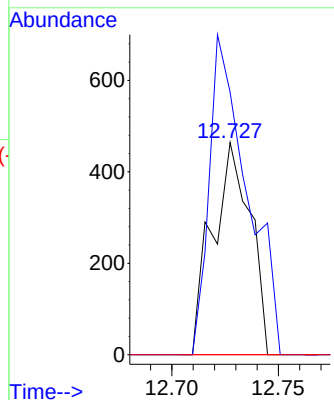
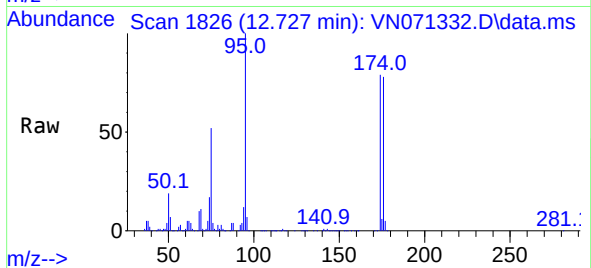




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

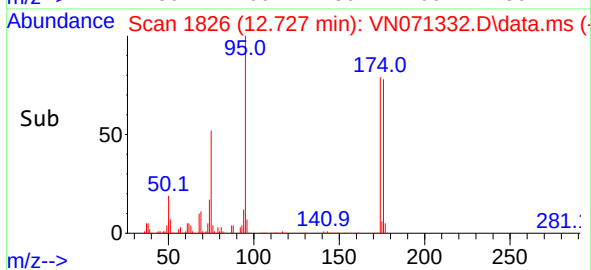
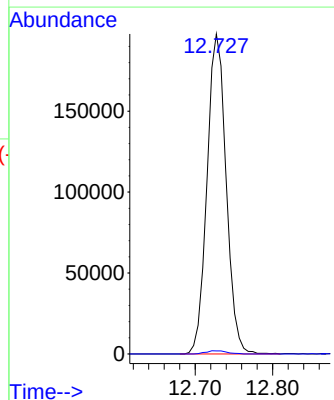
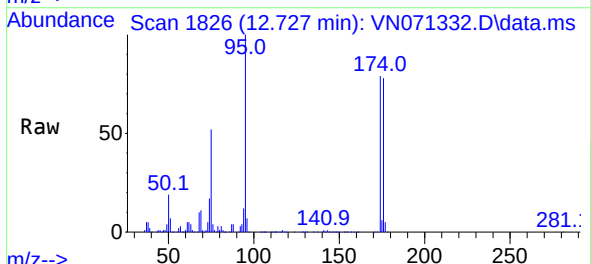
Instrument :
MSVOA_N
ClientSampleId :
MP-2

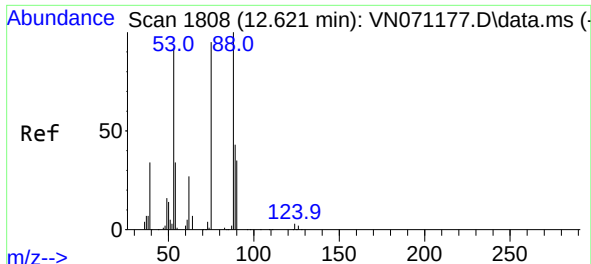
Tgt Ion: 83 Resp: 574
Ion Ratio Lower Upper
83 100
131 150.2 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.787 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion: 75 Resp: 338264
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

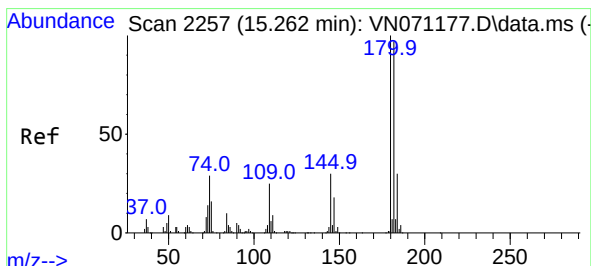
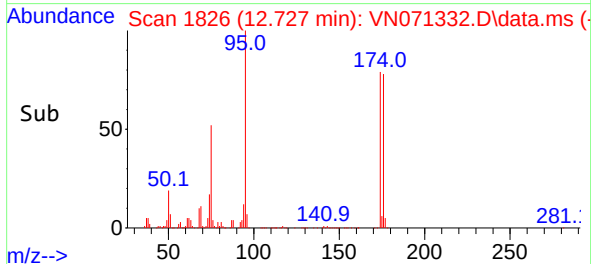
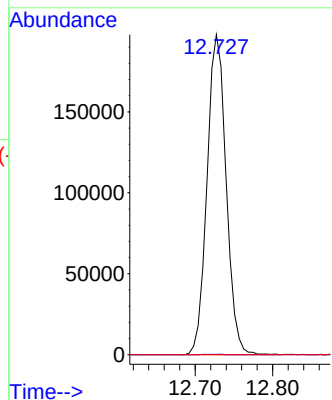
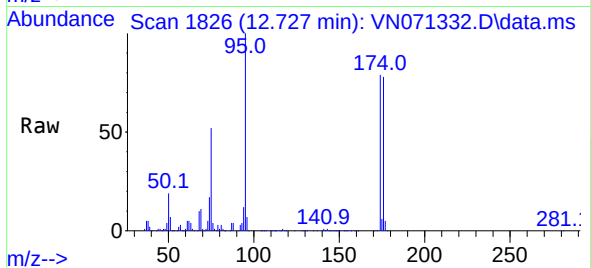




#81
trans-1,4-Dichloro-2-butene
Concen: 73.614 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

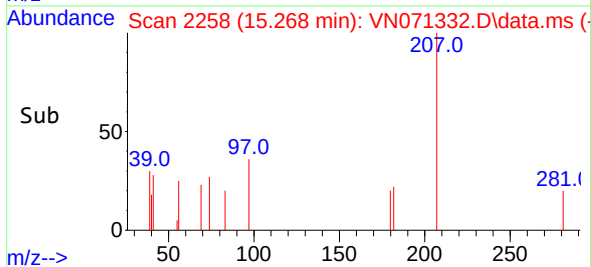
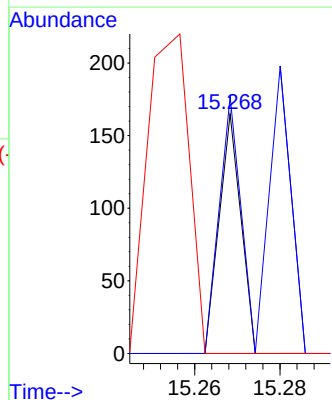
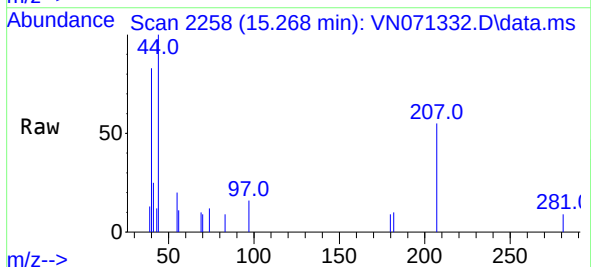
Instrument :
MSVOA_N
ClientSampleId :
MP-2

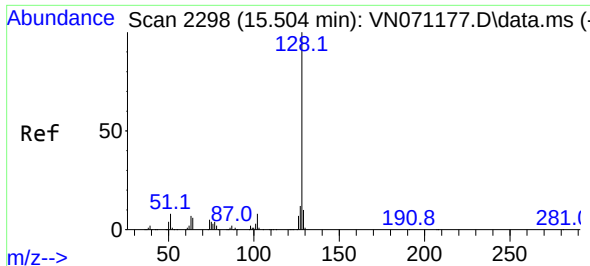
Tgt Ion: 75 Resp: 338264
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.996 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion:180 Resp: 58
Ion Ratio Lower Upper
180 100
182 227.6 48.3 144.9#
145 0.0 14.5 43.5#

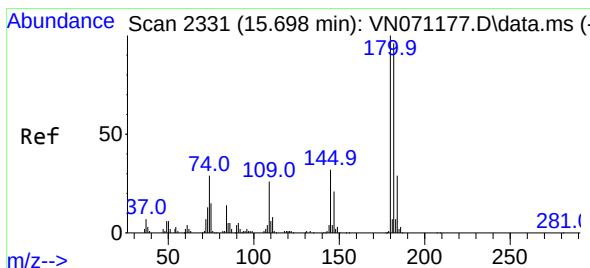
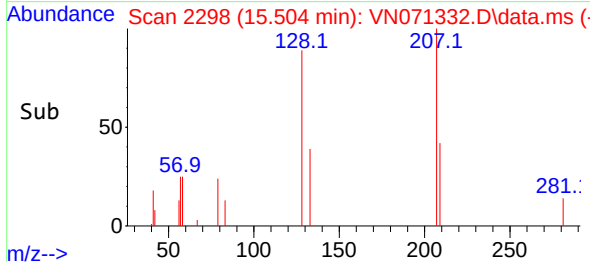
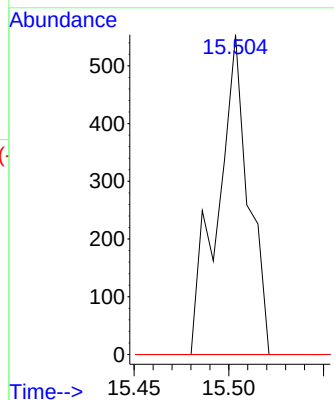
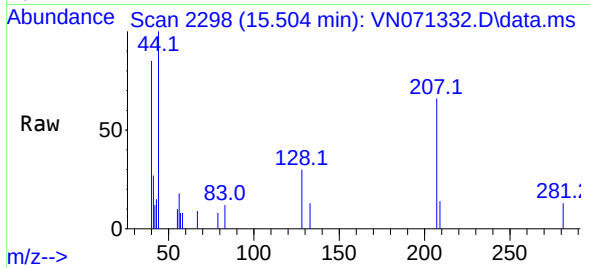




#95
Naphthalene
Concen: 5.092 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Instrument :
MSVOA_N
ClientSampleId :
MP-2

Tgt Ion:128 Resp: 631
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: 2.740 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.006 min
Lab File: VN071332.D
Acq: 16 Mar 2022 20:01

Tgt Ion:180 Resp: 70
Ion Ratio Lower Upper
180 100
182 352.9 47.4 142.2#
145 81.4 15.0 45.1#

