

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071469.D
 Acq On : 22 Mar 2022 16:08
 Operator : JC\MD
 Sample : N2040-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW162S1-GW-260-262

Quant Time: Mar 23 07:09:04 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)

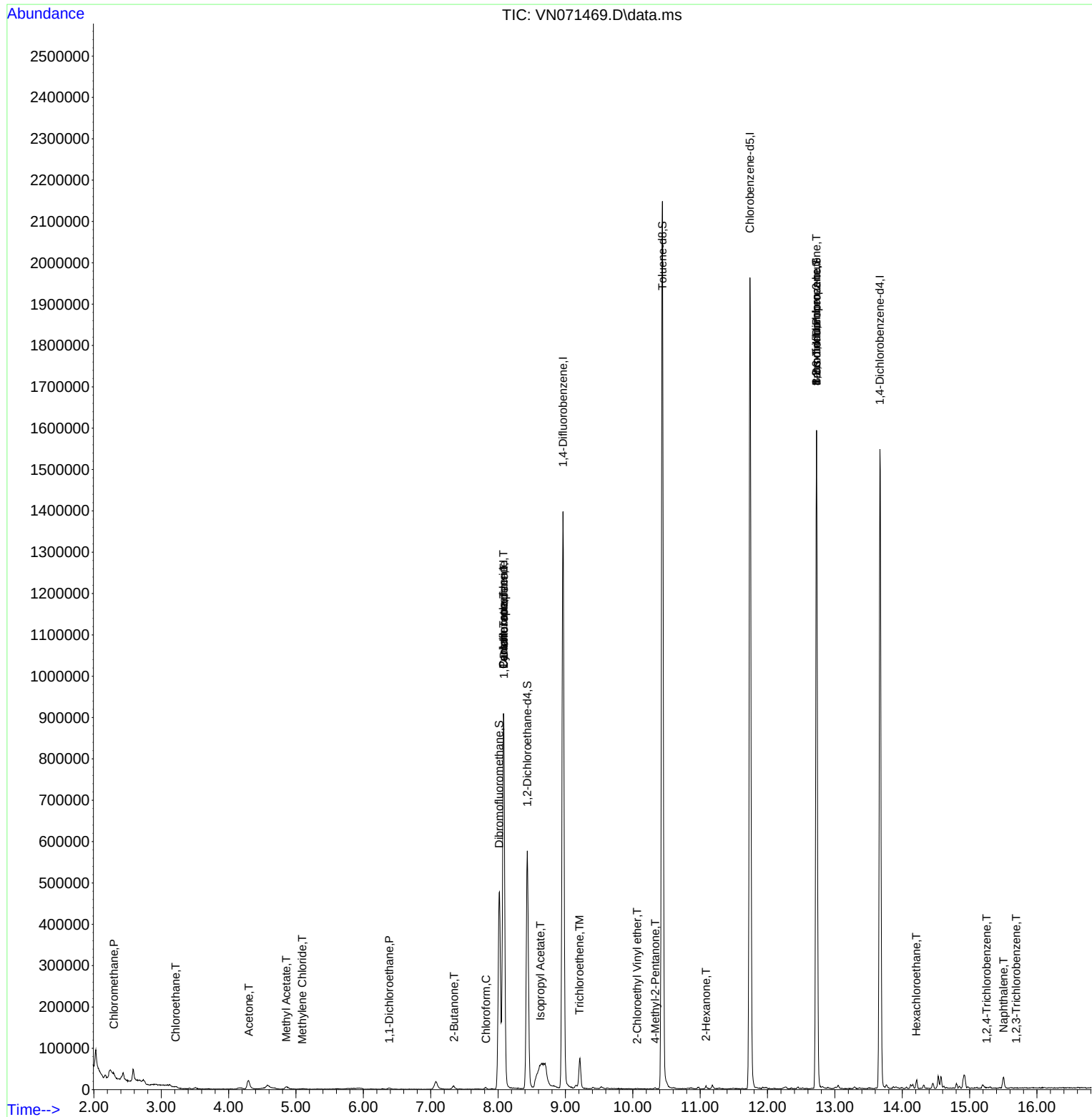
Internal Standards						
1) Pentafluorobenzene	8.080	168	699623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1213905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1142957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	419355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	470804	49.100	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.200%
35) Dibromofluoromethane	8.016	113	355541	46.414	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.820%
50) Toluene-d8	10.439	98	1493056	48.410	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.820%
62) 4-Bromofluorobenzene	12.727	95	551096	52.767	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.540%
Target Compounds						Qvalue
3) Chloromethane	2.298	50	3325	0.289	ug/l	95
5) Bromomethane	2.857	94	639	Below Cal		98
6) Chloroethane	3.216	64	1215	0.214	ug/l #	42
16) Acetone	4.298	43	39318	8.427	ug/l	95
18) Methyl Acetate	4.857	43	14096	1.584	ug/l	92
20) Methylene Chloride	5.092	84	696	0.463	ug/l #	43
24) 1,1-Dichloroethane	6.386	63	5221	0.329	ug/l #	83
25) 2-Butanone	7.345	43	12985	1.728	ug/l	96
30) Chloroform	7.822	83	3497	0.231	ug/l #	64
31) Cyclohexane	8.080	56	14729	0.962	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	54609	4.449	ug/l #	49
38) Carbon Tetrachloride	8.080	117	67976	5.726	ug/l #	17
43) Isopropyl Acetate	8.627	43	93788	3.713	ug/l #	56
44) Trichloroethene	9.210	130	26568	3.045	ug/l	88
51) 4-Methyl-2-Pentanone	10.333	43	3974	0.254	ug/l #	65
58) 2-Chloroethyl Vinyl ether	10.063	63	630	28.044	ug/l #	45
59) 2-Hexanone	11.086	43	3247	0.304	ug/l	87
71) Bromoform	12.727	173	3175	0.465	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.833	83	854	Below Cal	#	93
76) 1,2,3-Trichloropropane	12.727	75	286970	26.933	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	286970	73.974	ug/l #	5
90) Hexachloroethane	14.209	117	1246	0.214	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.251	180	692	3.084	ug/l #	77
95) Naphthalene	15.504	128	24679	6.221	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	623	2.821	ug/l #	30

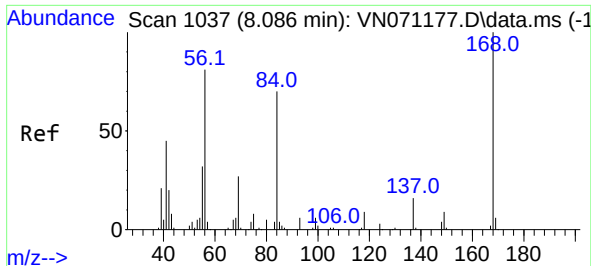
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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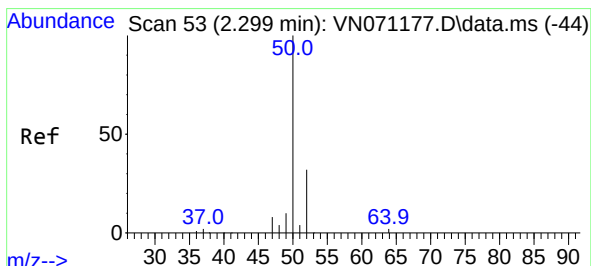
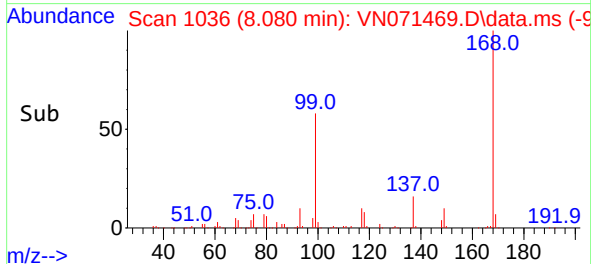
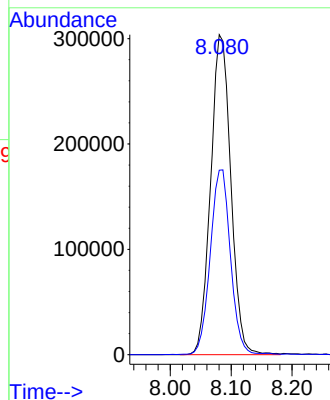
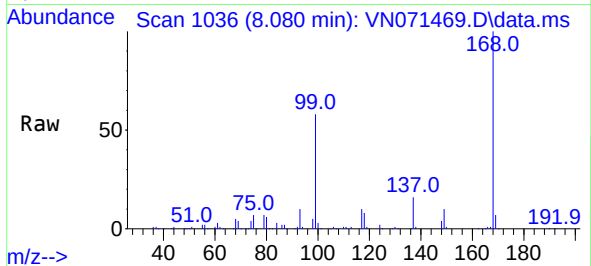




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

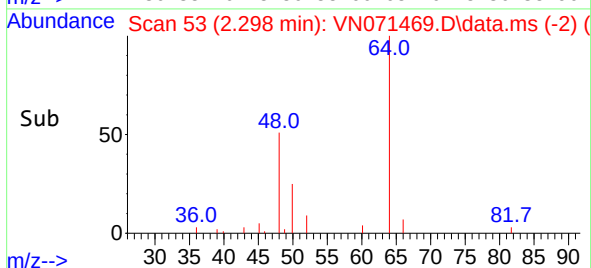
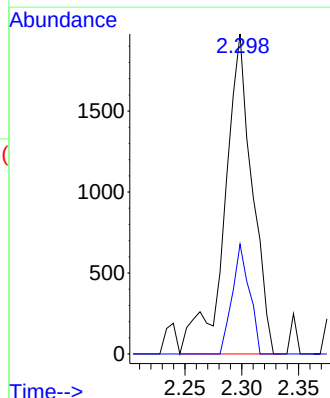
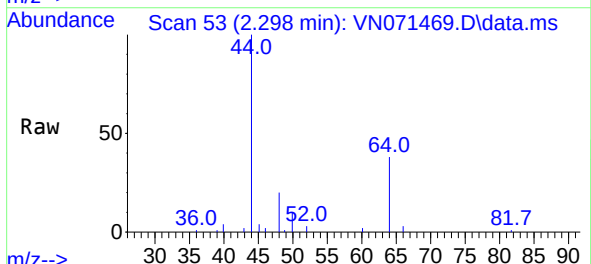
Instrument :
MSVOA_N
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BP-MW162S1-GW-260-262

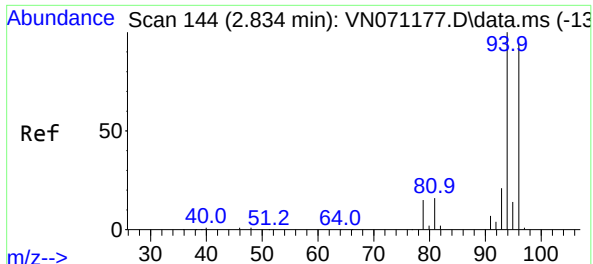
Tgt Ion:168 Resp: 699623
Ion Ratio Lower Upper
168 100
99 57.6 41.3 61.9



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 50 Resp: 3325
Ion Ratio Lower Upper
50 100
52 34.3 25.4 38.0

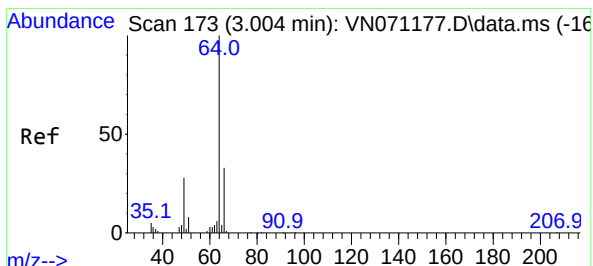
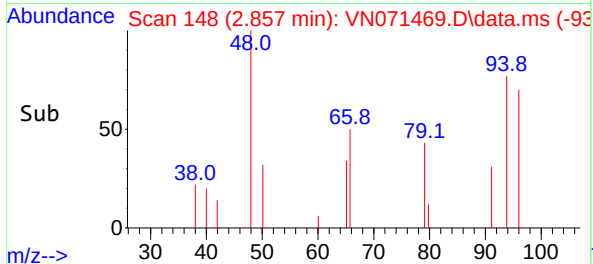
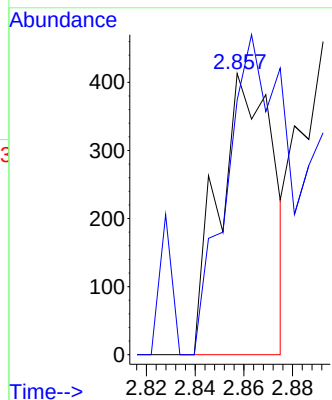
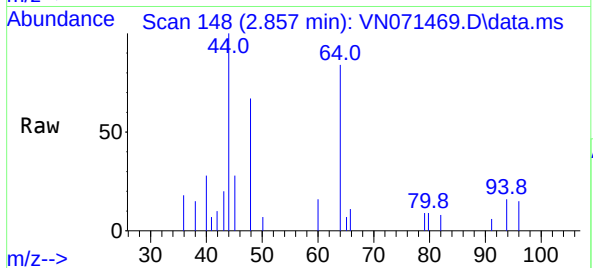




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

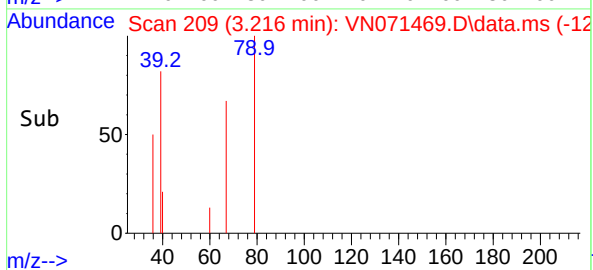
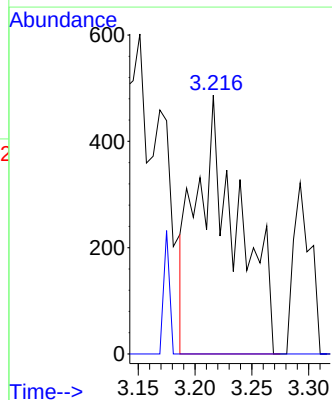
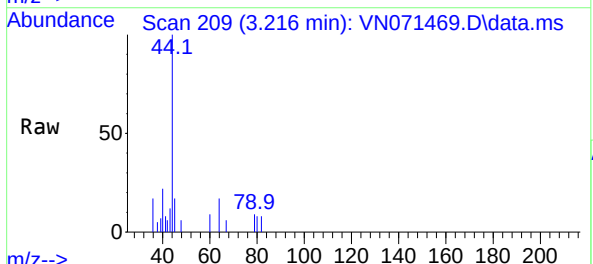
Instrument :
MSVOA_N
ClientSampleId :
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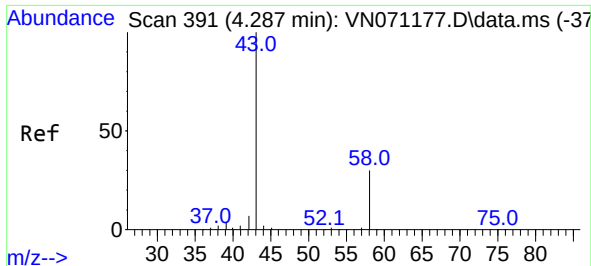
Tgt Ion: 94 Resp: 639
Ion Ratio Lower Upper
94 100
96 90.6 73.8 110.8



#6
Chloroethane
Concen: 0.214 ug/l
RT: 3.216 min Scan# 209
Delta R.T. 0.212 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 64 Resp: 1215
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

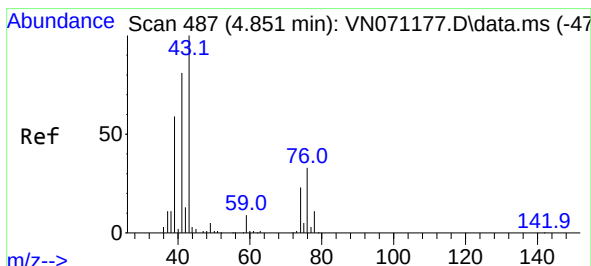
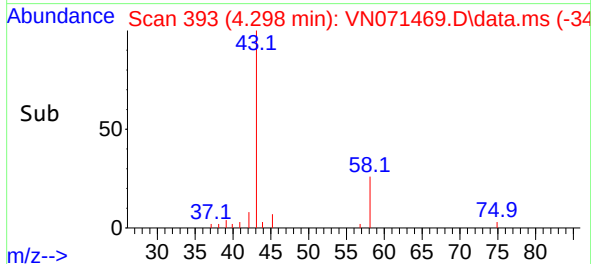
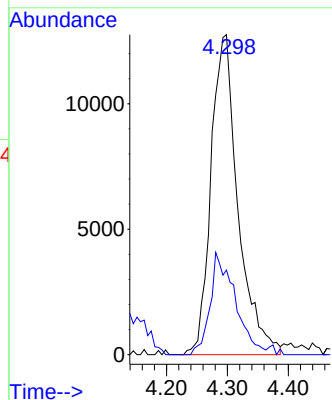
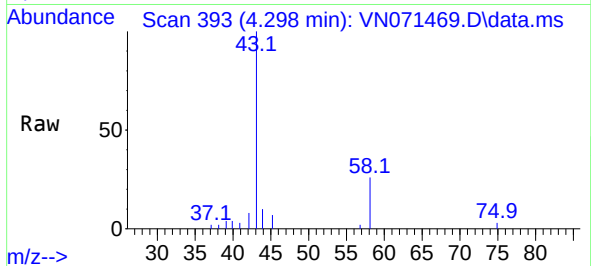




#16
Acetone
Concen: 8.427 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

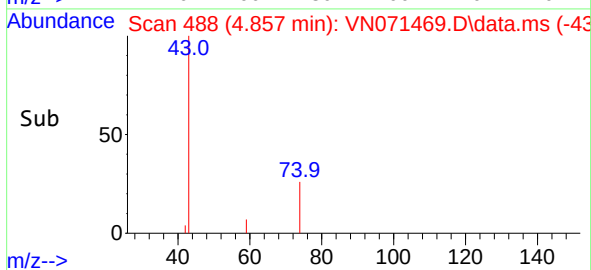
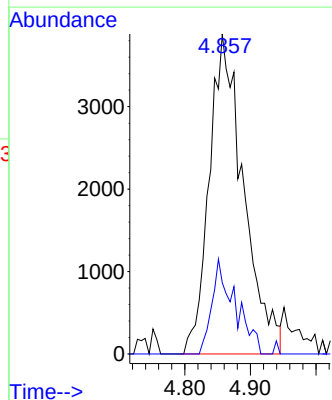
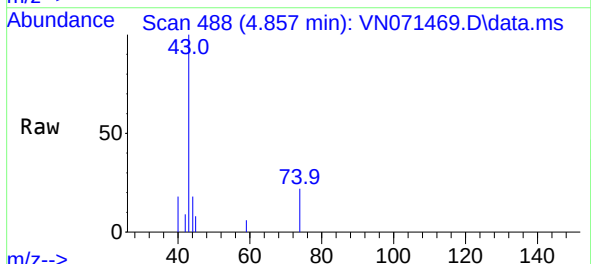
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

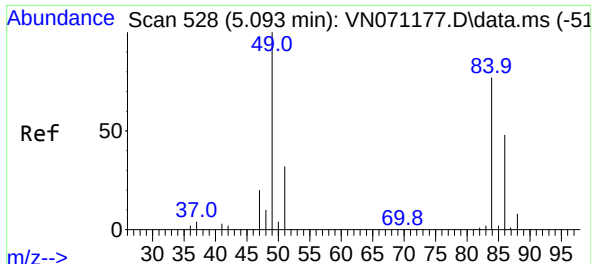
Tgt Ion: 43 Resp: 39318
Ion Ratio Lower Upper
43 100
58 26.5 23.1 34.7



#18
Methyl Acetate
Concen: 1.584 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 43 Resp: 14096
Ion Ratio Lower Upper
43 100
74 20.2 19.4 29.2

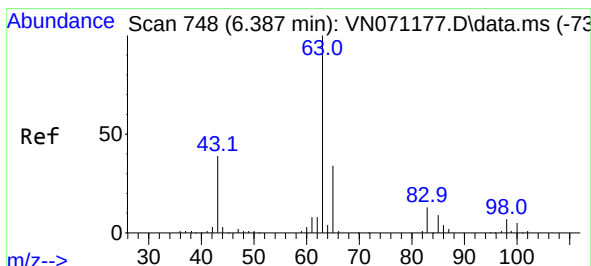
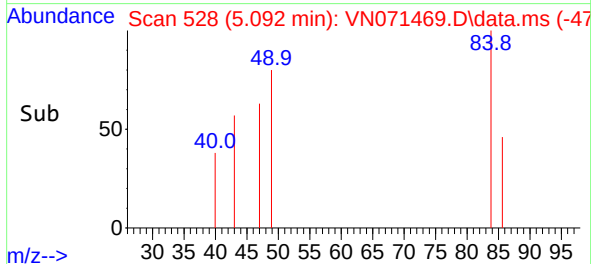
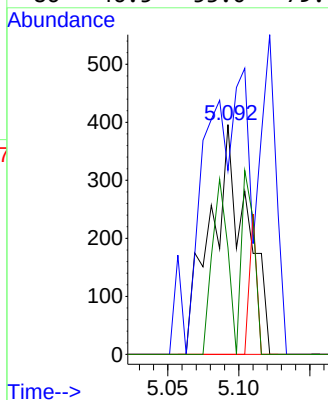
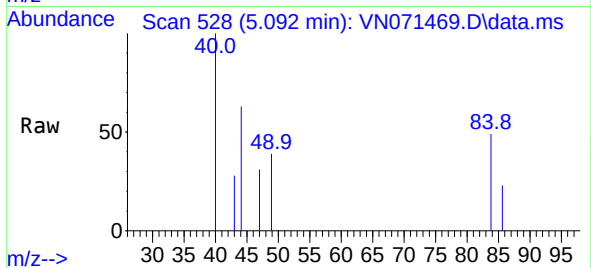




#20
Methylene Chloride
Concen: 0.463 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

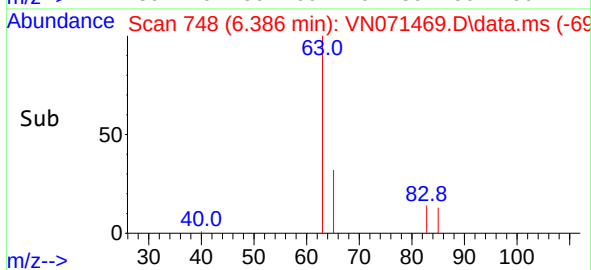
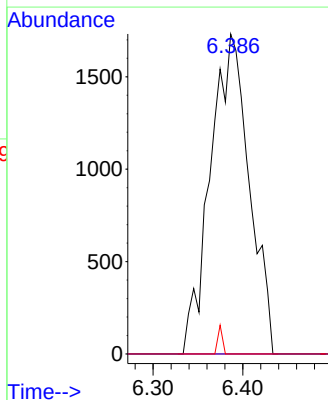
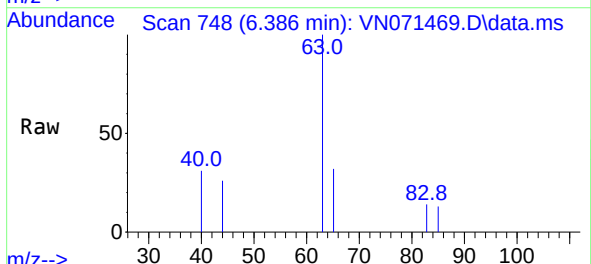
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BP-MW162S1-GW-260-262

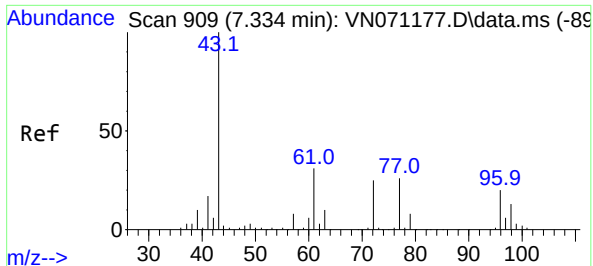
Tgt Ion:	84	Resp:	696
Ion	Ratio	Lower	Upper
84	100		
49	36.9	93.5	140.3#
51	0.0	29.4	44.2#
86	46.5	53.0	79.4#



#24
1,1-Dichloroethane
Concen: 0.329 ug/l
RT: 6.386 min Scan# 748
Delta R.T. -0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion:	63	Resp:	5221
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.9#
100	0.0	2.1	6.5#

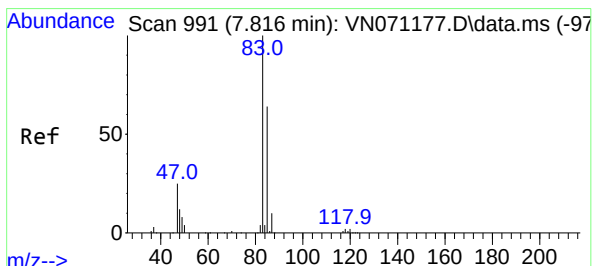
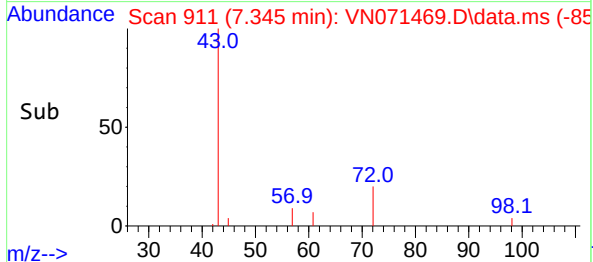
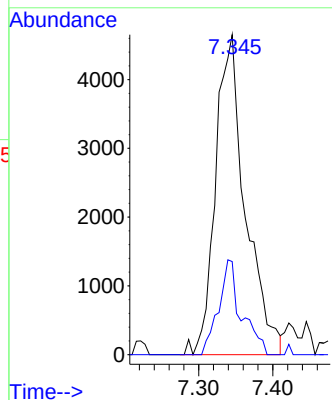
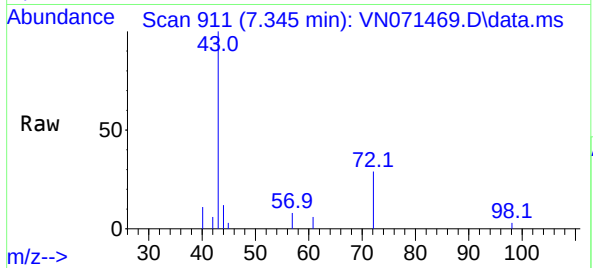




#25
2-Butanone
Concen: 1.728 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

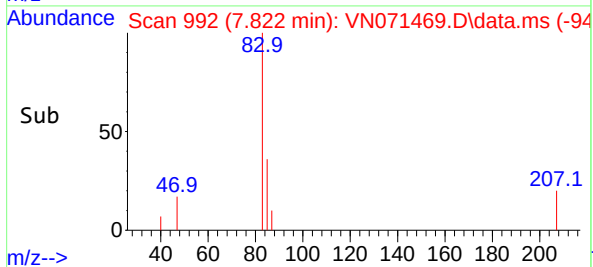
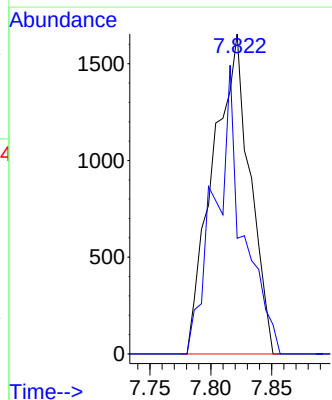
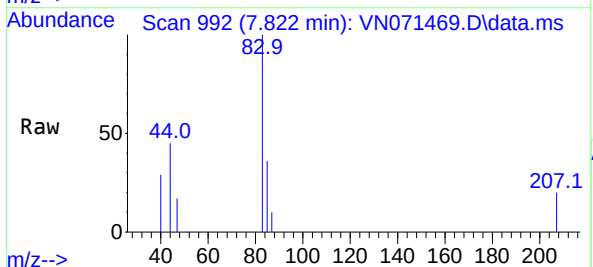
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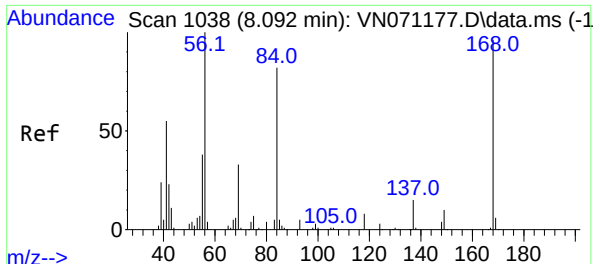
Tgt Ion: 43 Resp: 12985
Ion Ratio Lower Upper
43 100
72 29.1 21.7 32.5



#30
Chloroform
Concen: 0.231 ug/l
RT: 7.822 min Scan# 992
Delta R.T. 0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 83 Resp: 3497
Ion Ratio Lower Upper
83 100
85 36.2 51.9 77.9#

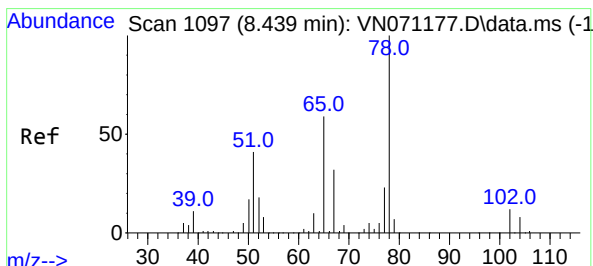
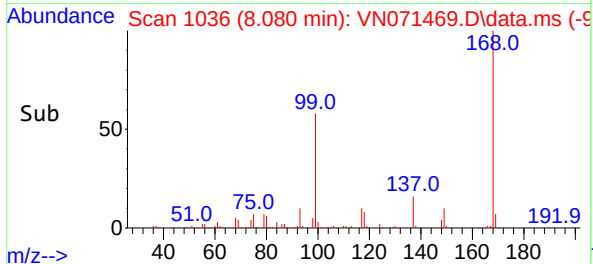
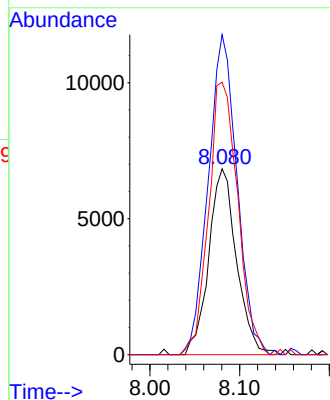
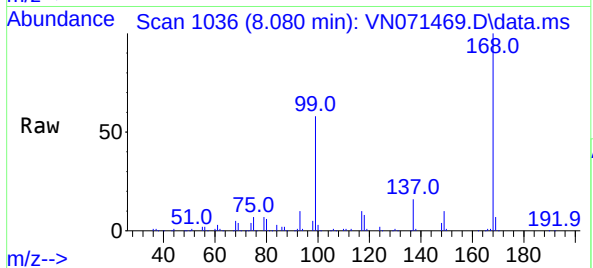




#31
Cyclohexane
Concen: 0.962 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

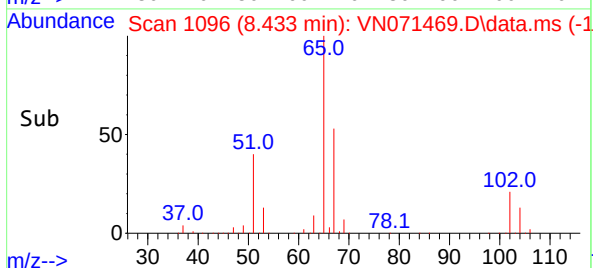
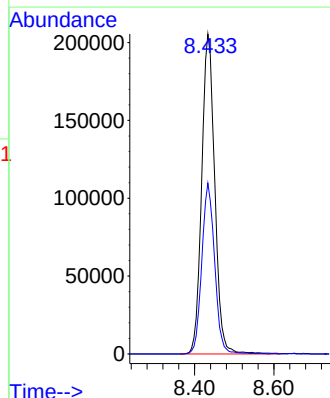
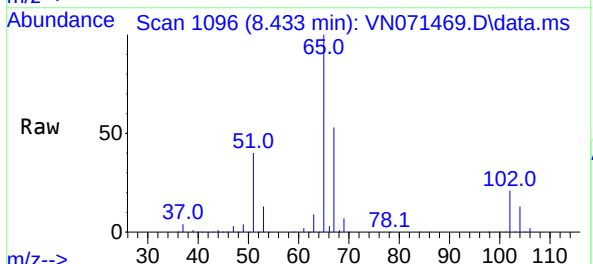
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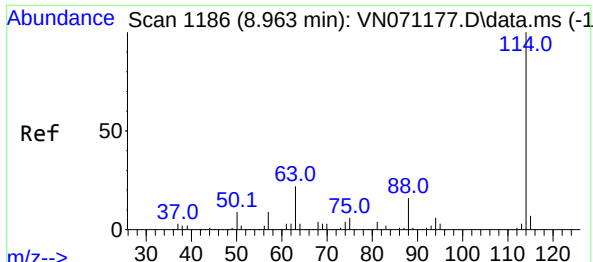
Tgt Ion: 56 Resp: 14729
Ion Ratio Lower Upper
56 100
69 172.1 27.1 40.7#
84 146.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.100 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 65 Resp: 470804
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0

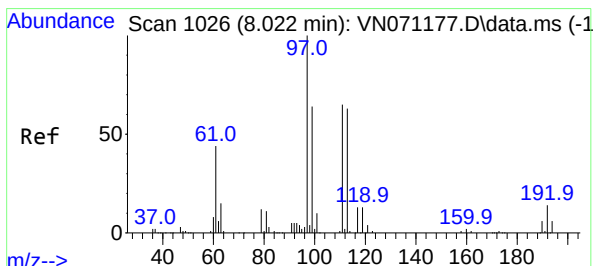
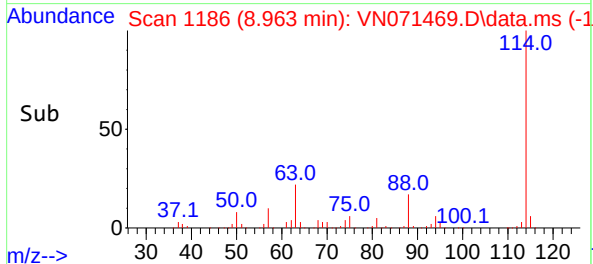
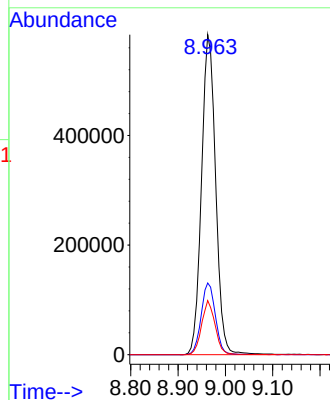
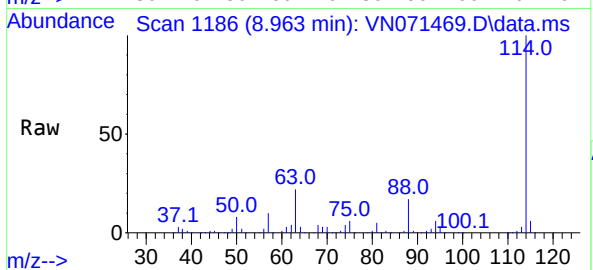




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

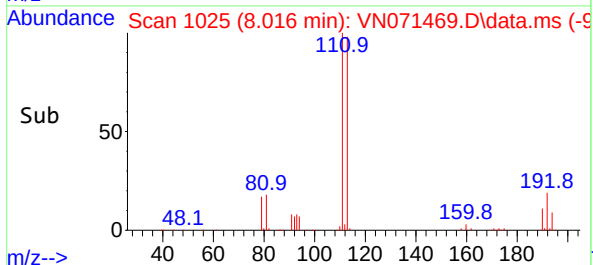
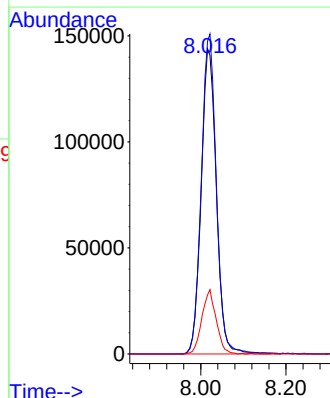
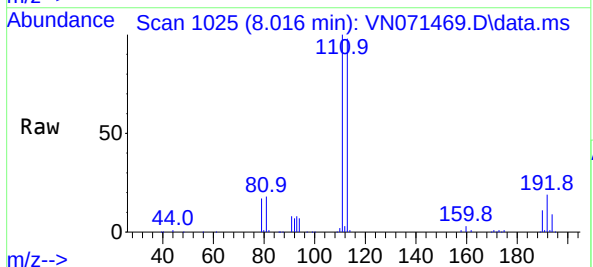
Instrument :
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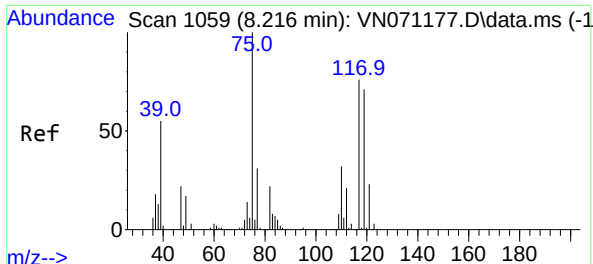
Tgt Ion:114 Resp: 1213905
Ion Ratio Lower Upper
114 100
63 22.4 0.0 37.8
88 16.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.414 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion:113 Resp: 355541
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN071469.D

Acq: 22 Mar 2022 16:08

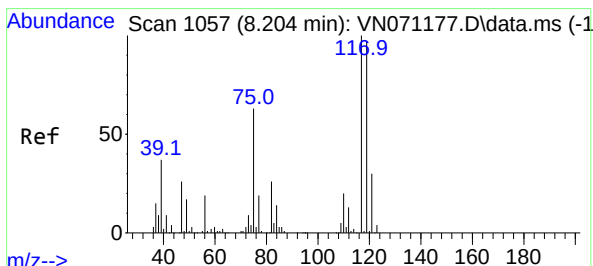
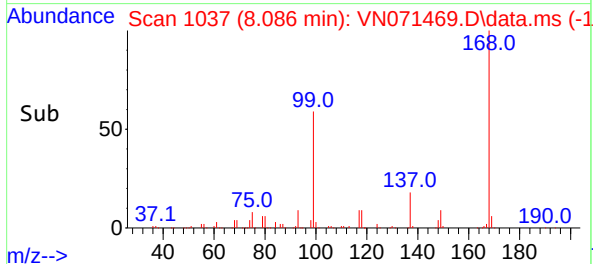
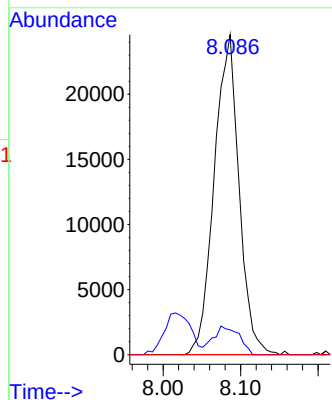
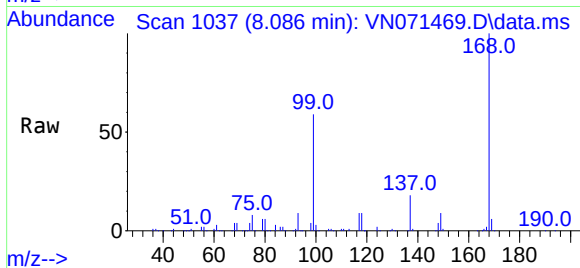
Instrument :

MSVOA_N

ClientSampleId :

BP-MW162S1-GW-260-262

Tgt Ion:	75	Resp:	54609
Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.726 ug/l

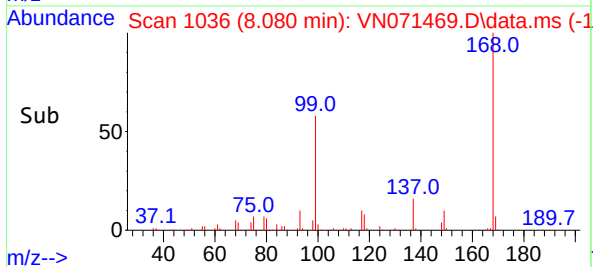
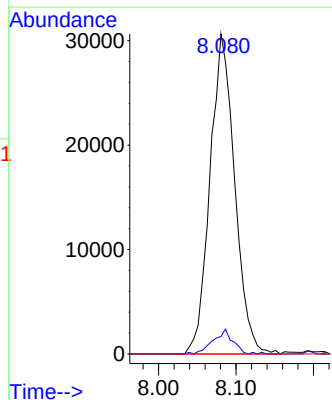
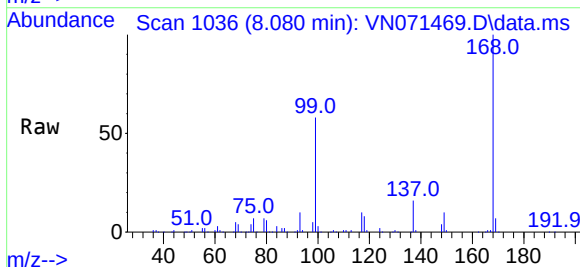
RT: 8.080 min Scan# 1036

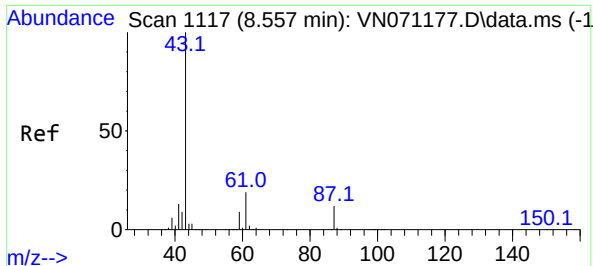
Delta R.T. -0.124 min

Lab File: VN071469.D

Acq: 22 Mar 2022 16:08

Tgt Ion:	117	Resp:	67976
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.1	114.1#
121	0.0	24.2	36.2#

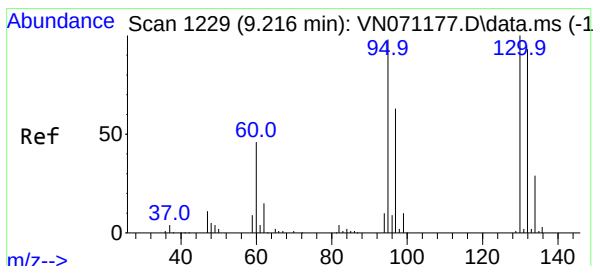
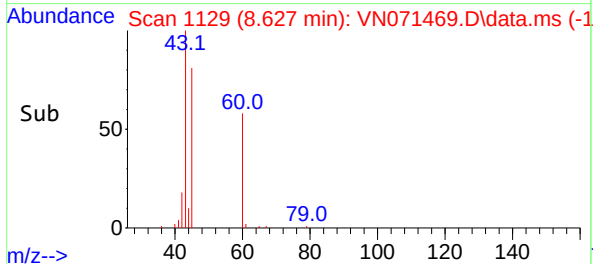
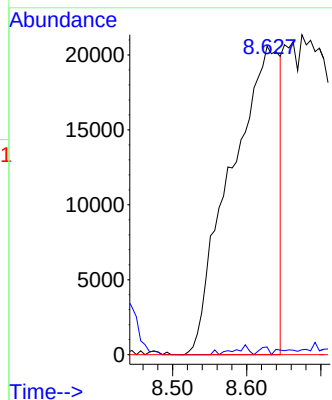
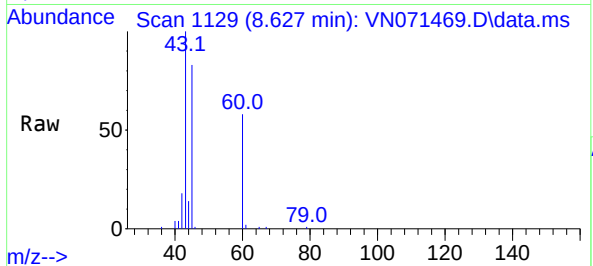




#43
Isopropyl Acetate
Concen: 3.713 ug/l
RT: 8.627 min Scan# 1117
Delta R.T. 0.070 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

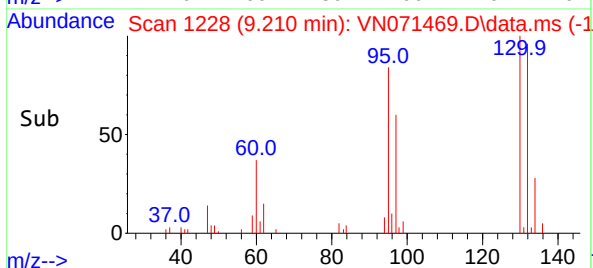
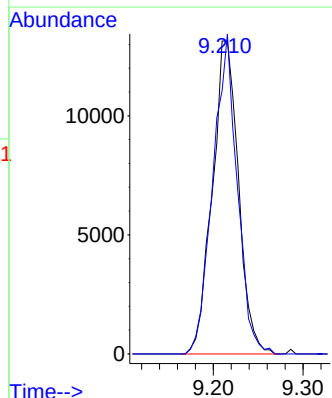
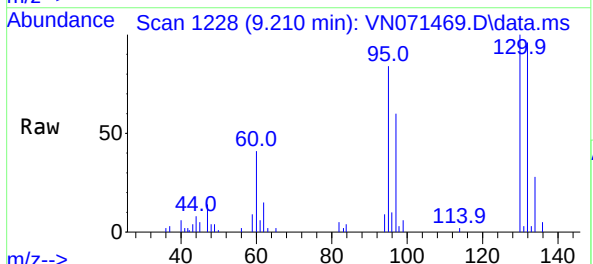
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

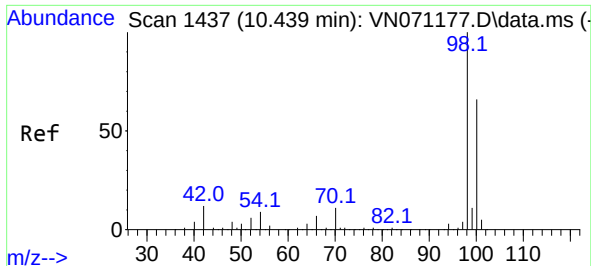
Tgt Ion: 43 Resp: 93788
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 11.2 16.8#



#44
Trichloroethene
Concen: 3.045 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 130 Resp: 26568
Ion Ratio Lower Upper
130 100
95 84.1 0.0 191.2

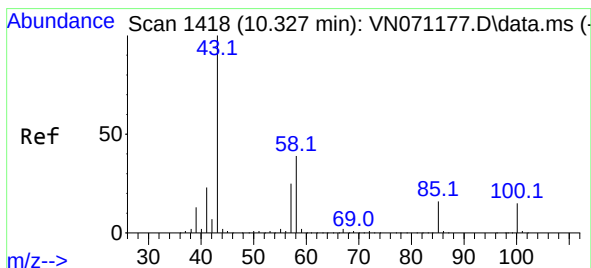
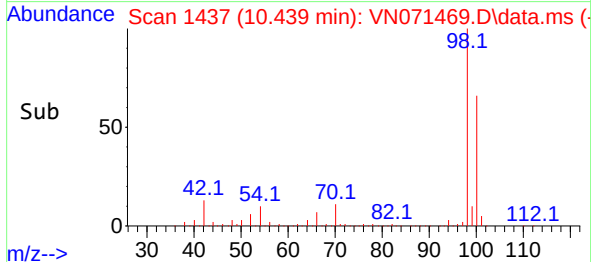
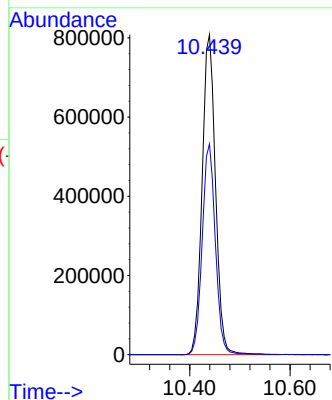
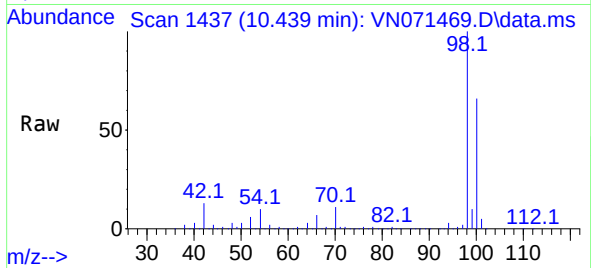




#50
Toluene-d8
Concen: 48.410 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

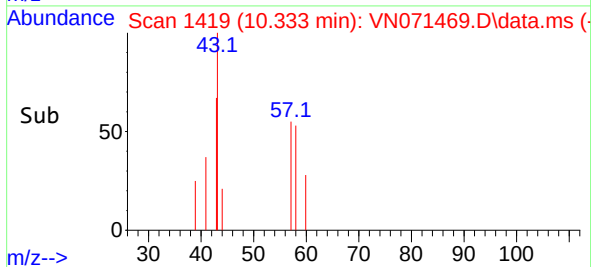
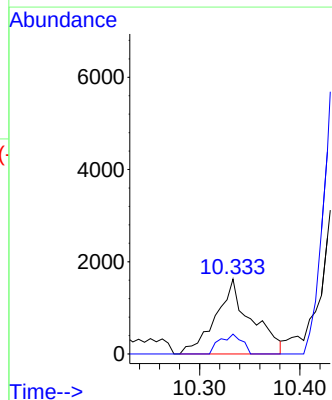
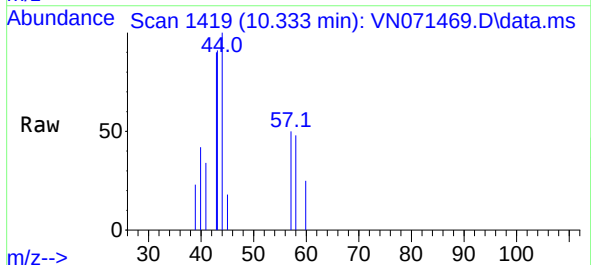
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

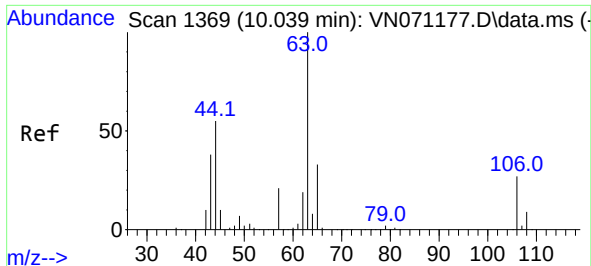
Tgt Ion: 98 Resp: 1493056
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.254 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 43 Resp: 3974
Ion Ratio Lower Upper
43 100
58 16.7 30.4 45.6#

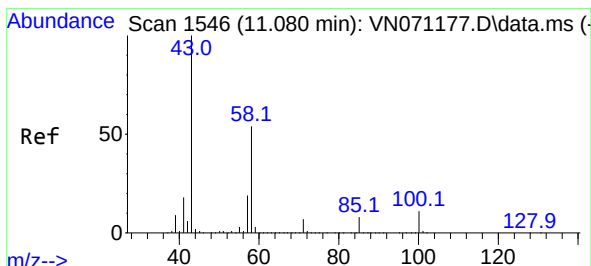
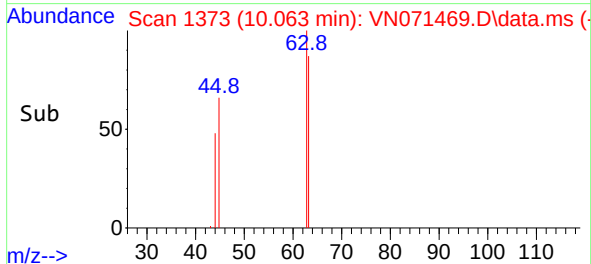
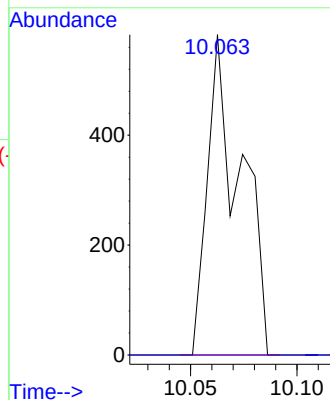
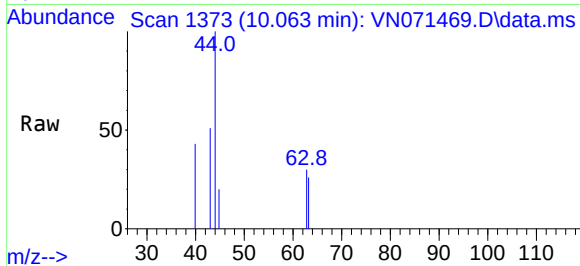




#58
2-Chloroethyl Vinyl ether
Concen: 28.044 ug/l
RT: 10.063 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

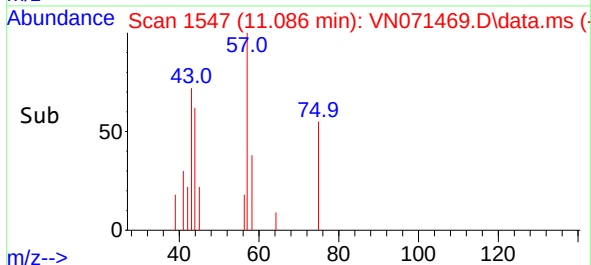
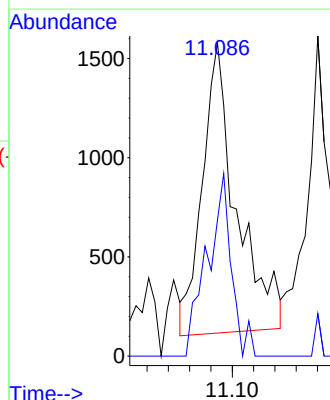
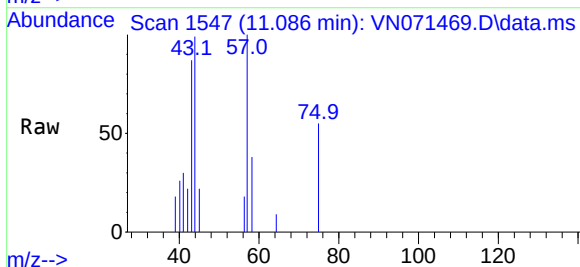
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

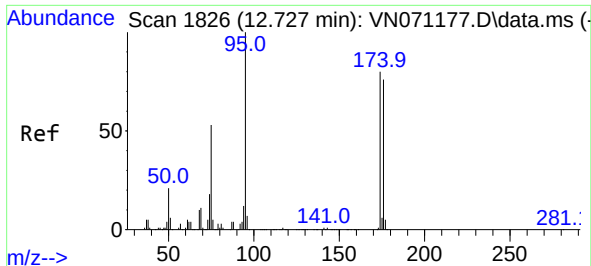
Tgt Ion: 63 Resp: 630
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.304 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
58 44.5 26.9 80.7

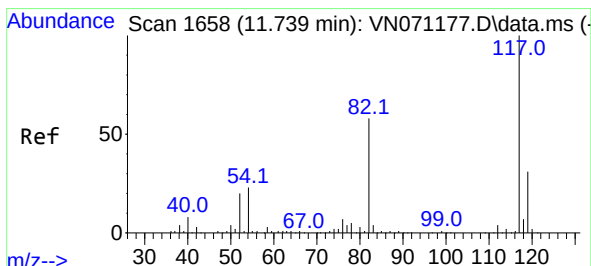
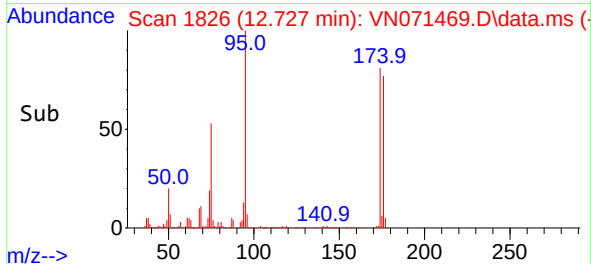
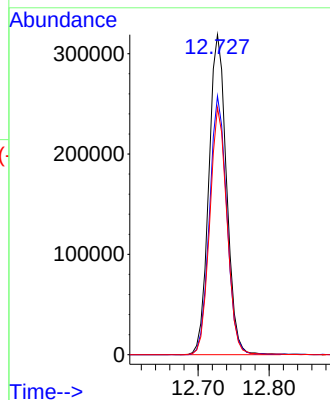
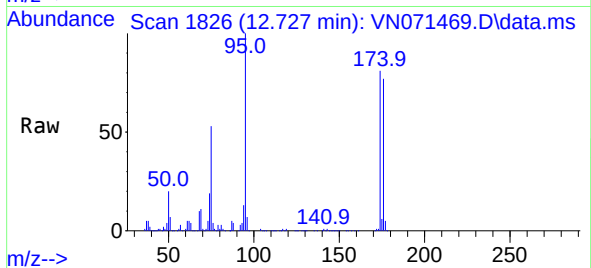




#62
4-Bromofluorobenzene
Concen: 52.767 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

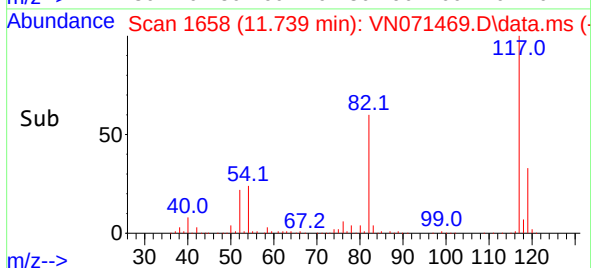
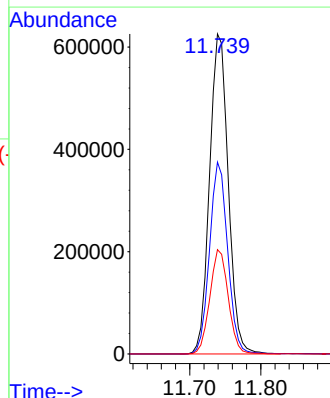
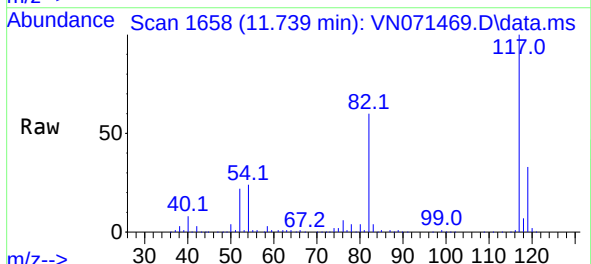
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

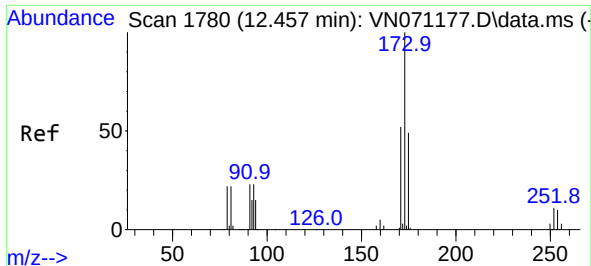
Tgt Ion:	95	Resp:	551096
Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	187.2
176	75.0	0.0	181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion:	117	Resp:	1142957
Ion	Ratio	Lower	Upper
117	100		
82	60.0	42.4	63.6
119	32.6	25.4	38.2

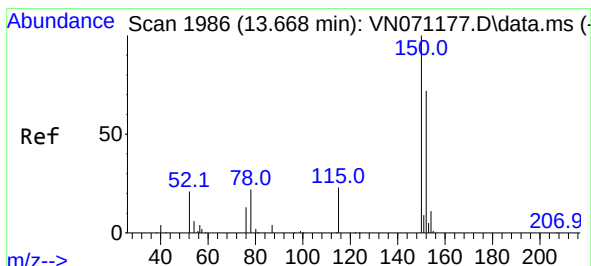
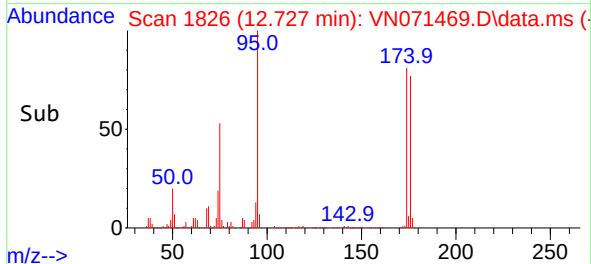
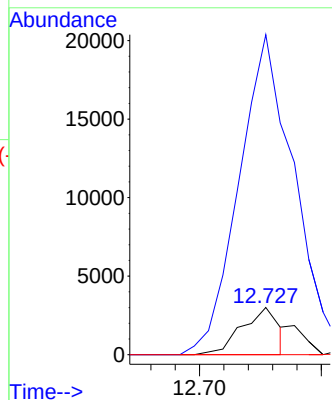
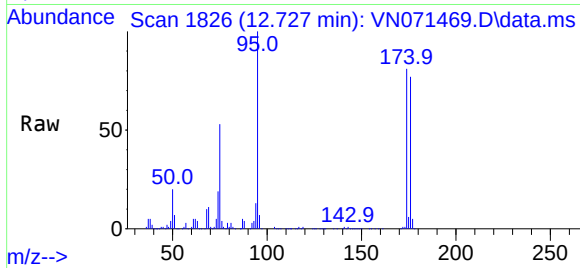




#71
Bromoform
Concen: 0.465 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

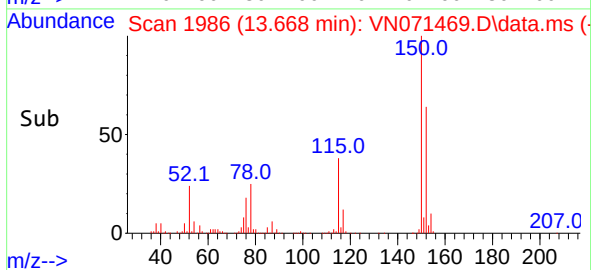
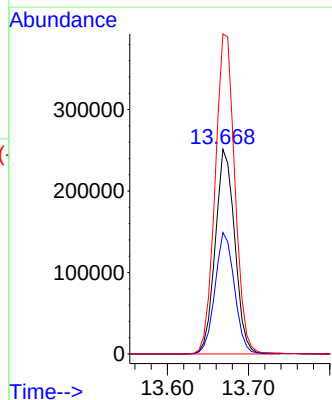
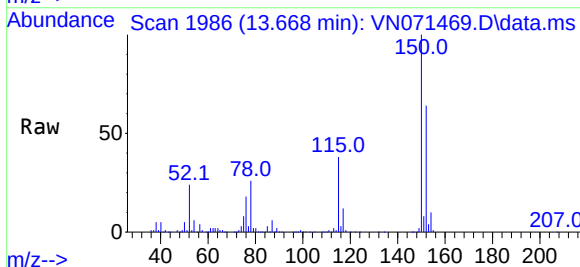
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

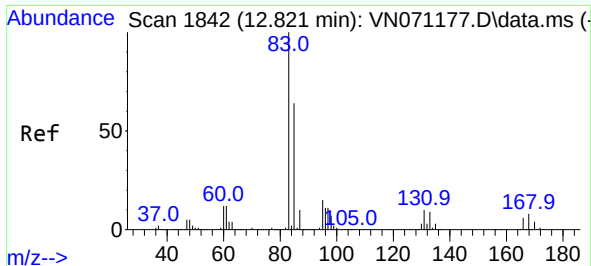
Tgt Ion:173 Resp: 3175
Ion Ratio Lower Upper
173 100
175 763.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion:152 Resp: 419355
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.5
150 158.6 0.0 344.4

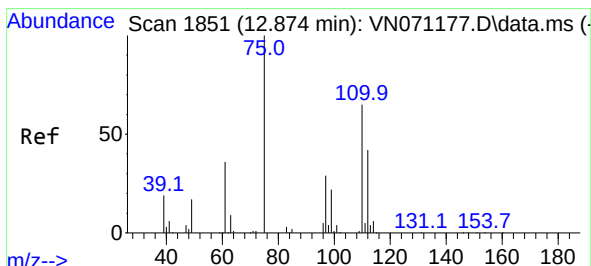
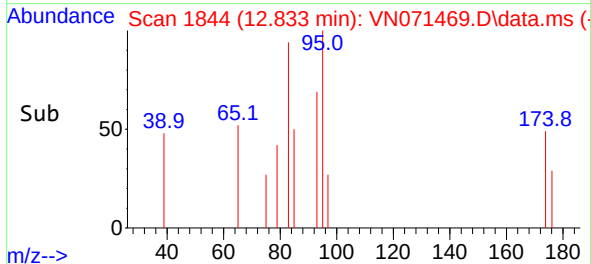
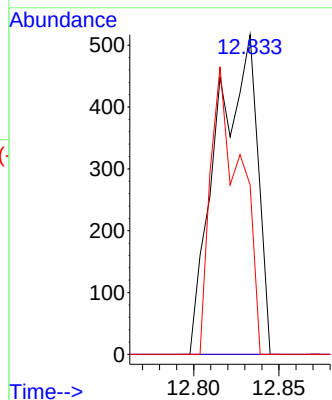
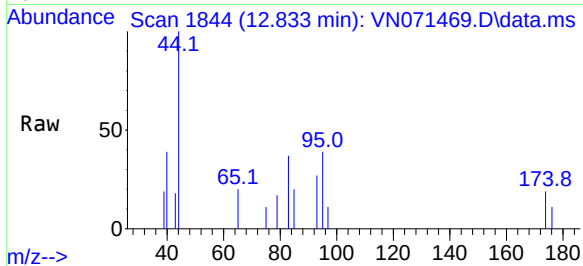




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.833 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

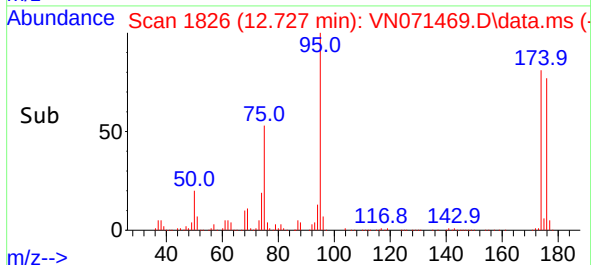
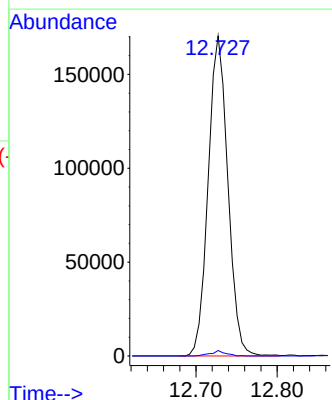
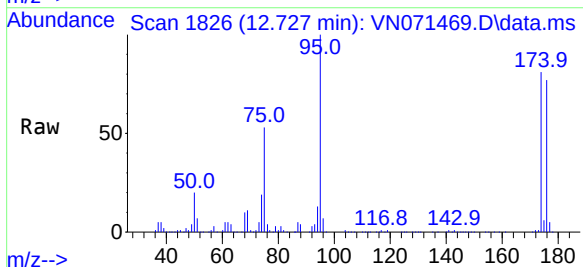
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

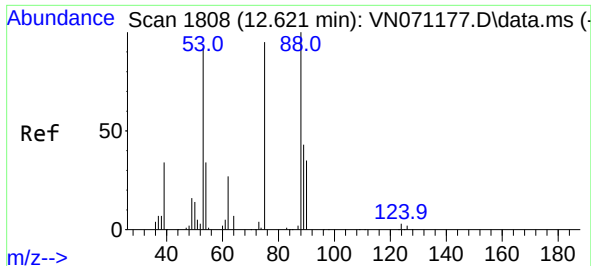
Tgt Ion: 83 Resp: 854
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 67.3 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 26.933 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 75 Resp: 286970
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

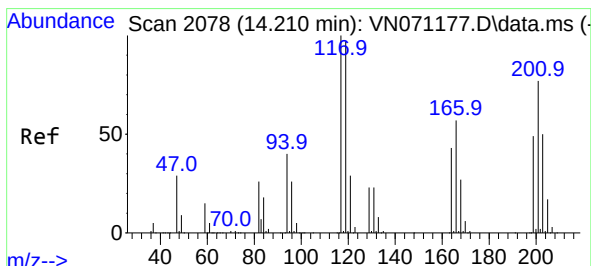
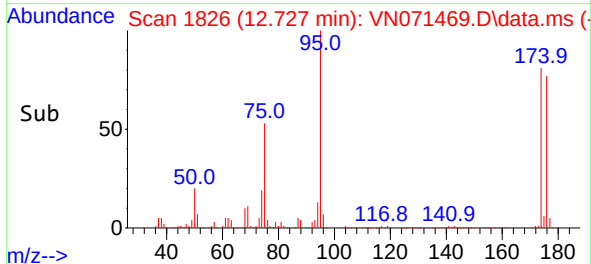
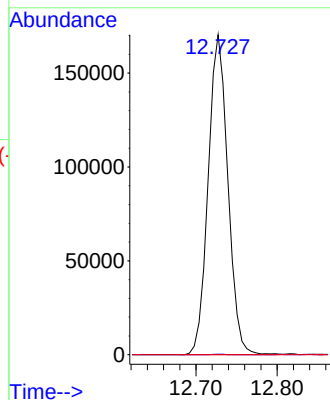
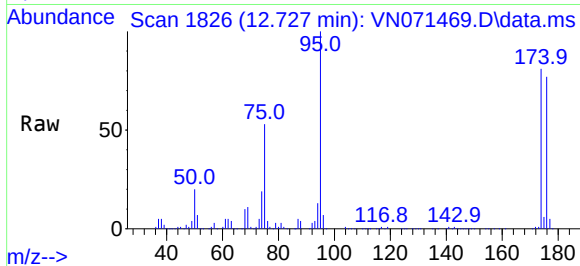




#81
trans-1,4-Dichloro-2-butene
Concen: 73.974 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

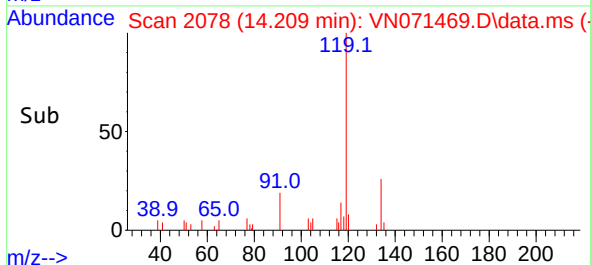
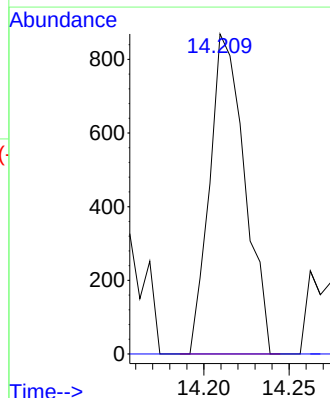
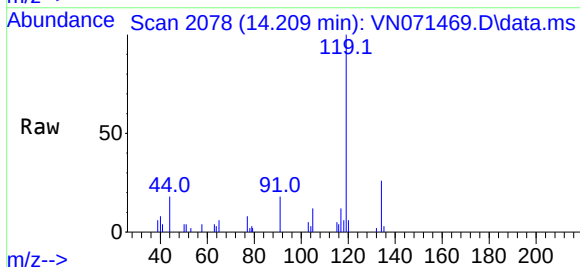
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

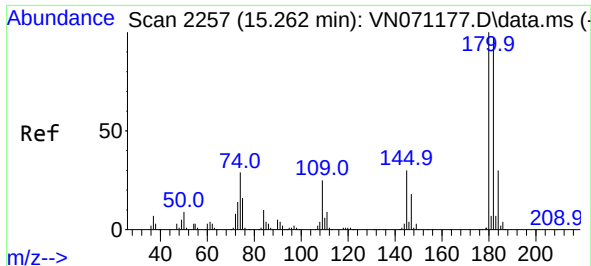
Tgt Ion: 75 Resp: 286970
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 0.214 ug/l
RT: 14.209 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion: 117 Resp: 1246
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

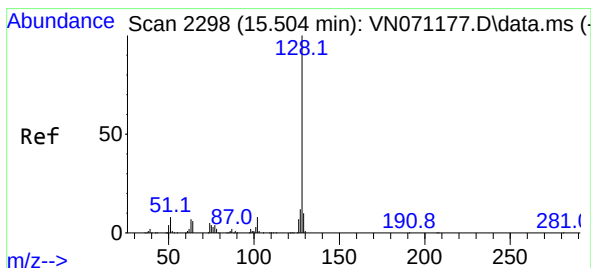
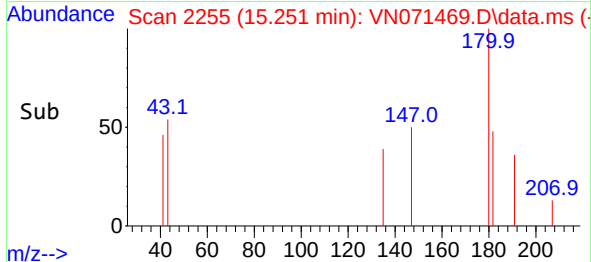
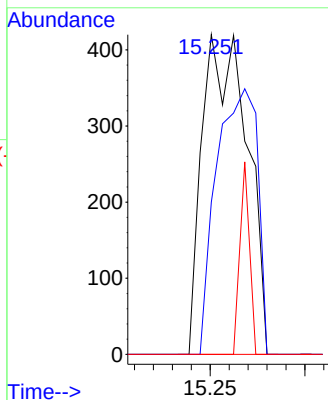
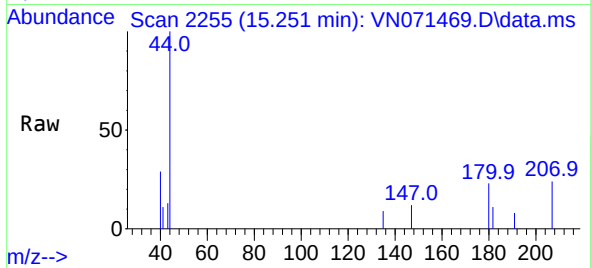




#93
1,2,4-Trichlorobenzene
Concen: 3.084 ug/l
RT: 15.251 min Scan# 211
Delta R.T. -0.011 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

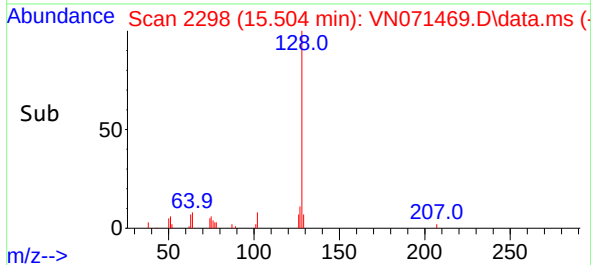
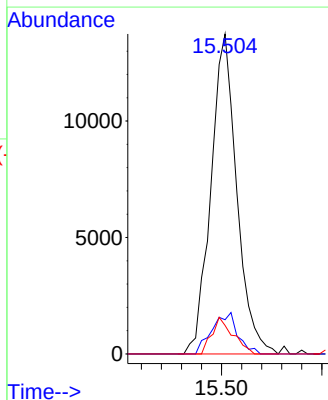
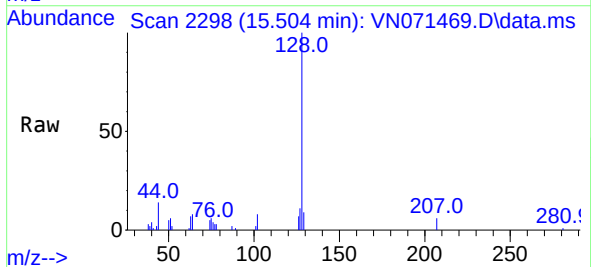
Instrument :
MSVOA_N
ClientSampleId :
BP-MW162S1-GW-260-262

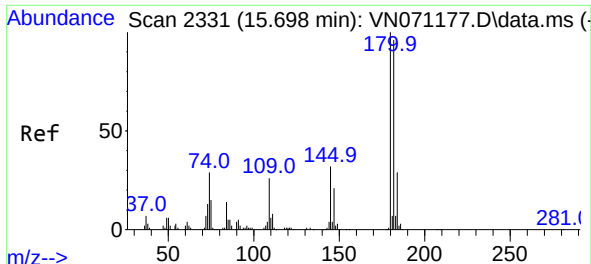
Tgt Ion:180 Resp: 692
Ion Ratio Lower Upper
180 100
182 75.9 48.3 144.9
145 12.9 14.5 43.5#



#95
Naphthalene
Concen: 6.221 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071469.D
Acq: 22 Mar 2022 16:08

Tgt Ion:128 Resp: 24679
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 9.3 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.821 ug/l

RT: 15.692 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN071469.D

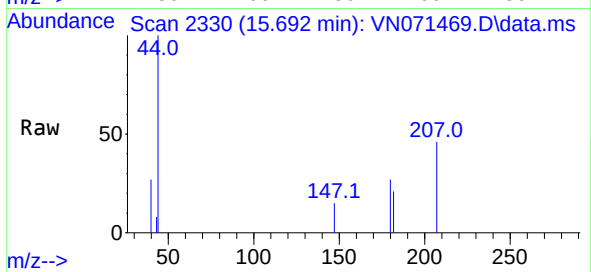
Acq: 22 Mar 2022 16:08

Instrument :

MSVOA_N

ClientSampleId :

BP-MW162S1-GW-260-262



Tgt Ion:180 Resp: 623

Ion Ratio Lower Upper

180 100

182 22.8 47.4 142.2#

145 0.0 15.0 45.1#

