

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN071015.D
 Acq On : 18 Feb 2022 21:03
 Operator : JC\MD
 Sample : N1611-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WATER-COMP

Quant Time: Feb 19 00:44:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

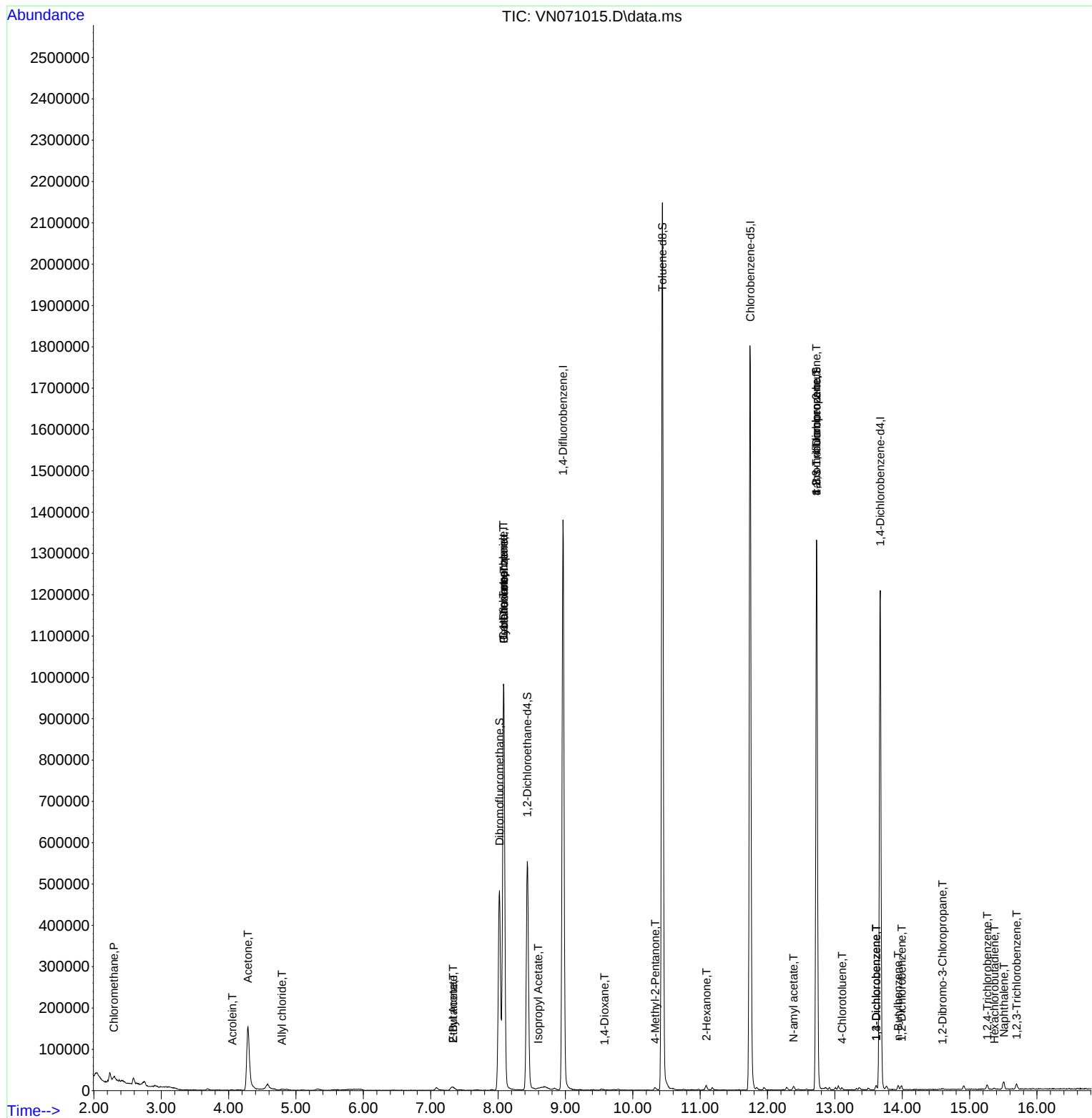
Internal Standards						
1) Pentafluorobenzene	8.086	168	775987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1225988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1076041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	354470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	463848	52.328	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.660%
35) Dibromofluoromethane	8.022	113	359220	49.261	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.520%
50) Toluene-d8	10.439	98	1480515	50.556	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.120%
62) 4-Bromofluorobenzene	12.727	95	477095	45.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.160%
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	2472	0.244	ug/l	94
13) Acrolein	4.057	56	929	0.644	ug/l #	14
14) Allyl chloride	4.793	41	5216	0.360	ug/l #	34
16) Acetone	4.287	43	286888	58.768	ug/l	97
18) Methyl Acetate	4.863	43	4712	Below Cal	#	74
25) 2-Butanone	7.334	43	11460	1.765	ug/l	99
31) Cyclohexane	8.086	56	15697	1.024	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	59289	4.963	ug/l #	50
37) Ethyl Acetate	7.334	43	11460	0.894	ug/l #	68
38) Carbon Tetrachloride	8.081	117	75928	6.450	ug/l #	16
43) Isopropyl Acetate	8.598	43	4173	0.207	ug/l #	55
49) 1,4-Dioxane	9.580	88	124	0.730	ug/l #	26
51) 4-Methyl-2-Pentanone	10.333	43	5034	0.410	ug/l	95
59) 2-Hexanone	11.092	43	10116	1.197	ug/l	97
74) N-amyl acetate	12.386	43	6118	0.671	ug/l #	96
76) 1,2,3-Trichloropropane	12.727	75	238483	28.574	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	238483	92.594	ug/l #	5
82) 4-Chlorotoluene	13.110	91	4123	0.218	ug/l	100
87) 1,3-Dichlorobenzene	13.615	146	3178	0.257	ug/l	94
88) 1,4-Dichlorobenzene	13.615	146	3178	0.262	ug/l	93
89) n-Butylbenzene	13.939	91	6155	0.318	ug/l	95
91) 1,2-Dichlorobenzene	13.992	146	3547	0.306	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	955	0.650	ug/l	68
93) 1,2,4-Trichlorobenzene	15.262	180	3978	2.584	ug/l	89
94) Hexachlorobutadiene	15.368	225	1055	0.249	ug/l	81
95) Naphthalene	15.509	128	18079	6.017	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	5130	3.326	ug/l	94

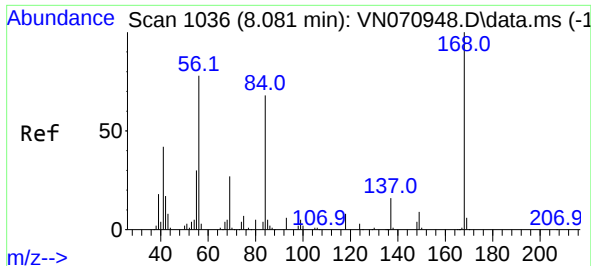
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
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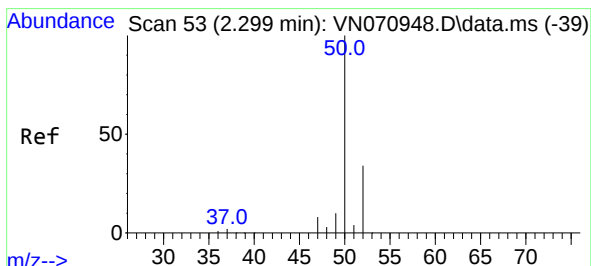
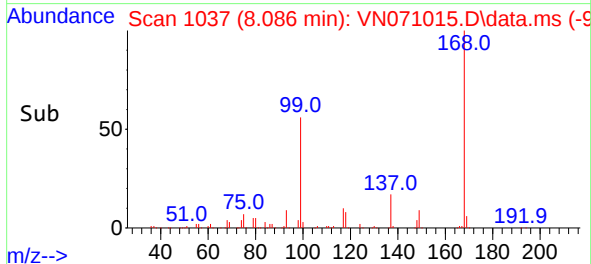
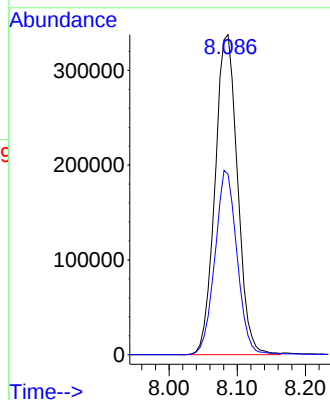
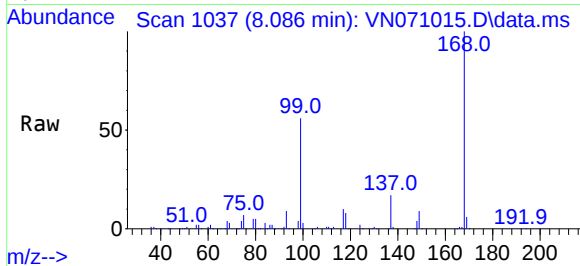




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

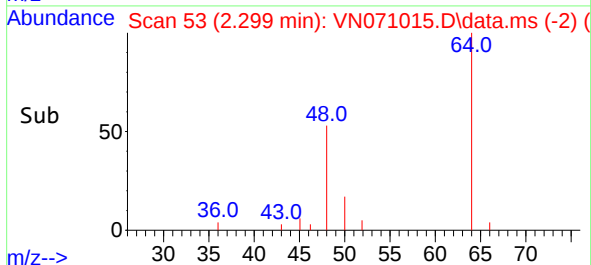
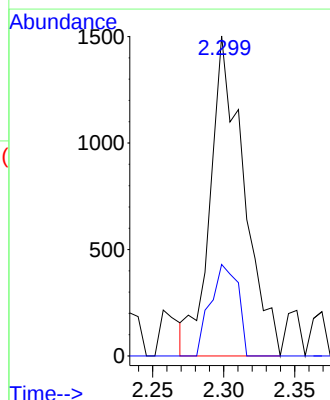
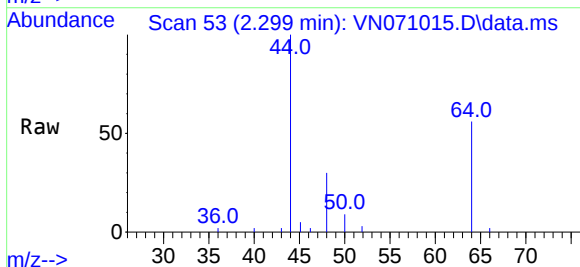
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

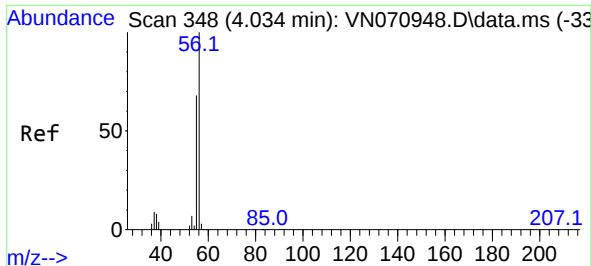
Tgt Ion:168 Resp: 775987
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 50 Resp: 2472
Ion Ratio Lower Upper
50 100
52 28.6 25.4 38.0

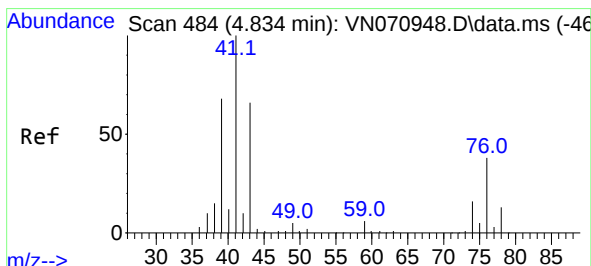
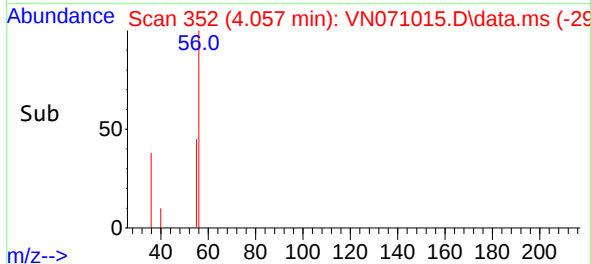
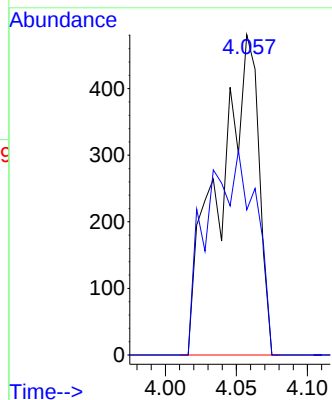
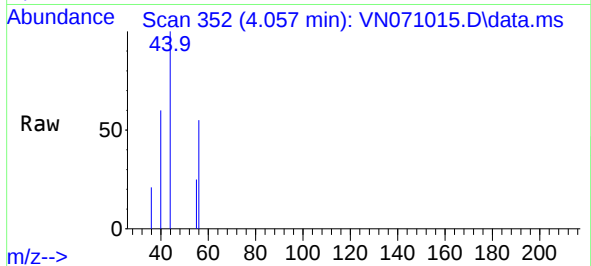




#13
Acrolein
Concen: 0.644 ug/l
RT: 4.057 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

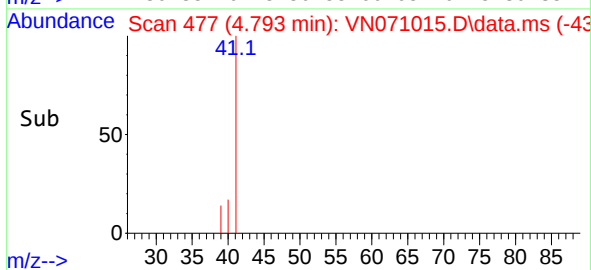
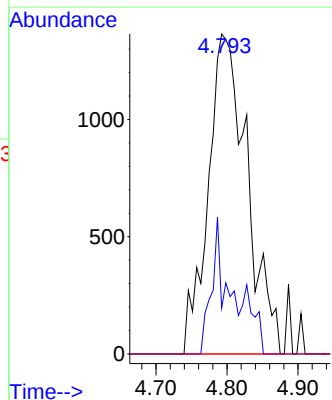
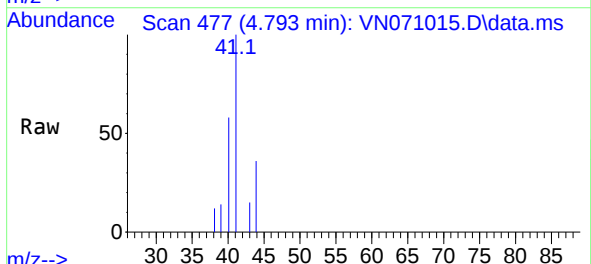
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

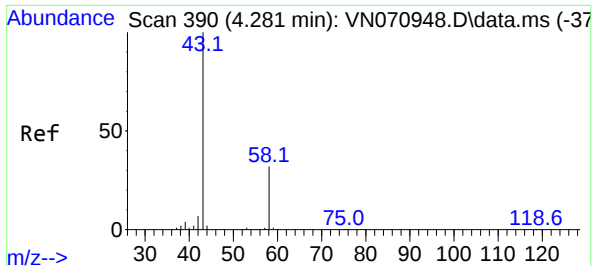
Tgt Ion: 56 Resp: 929
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#14
Allyl chloride
Concen: 0.360 ug/l
RT: 4.793 min Scan# 477
Delta R.T. -0.041 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 41 Resp: 5216
Ion Ratio Lower Upper
41 100
39 16.5 61.2 91.8#
76 0.0 26.0 39.0#

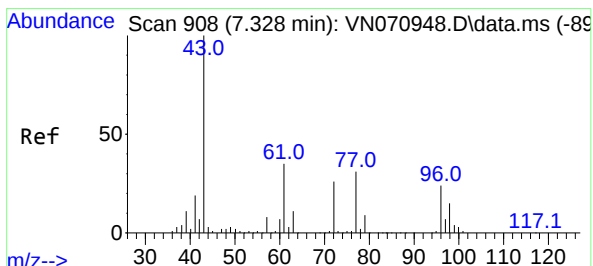
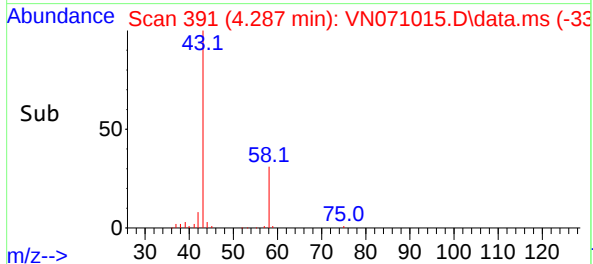
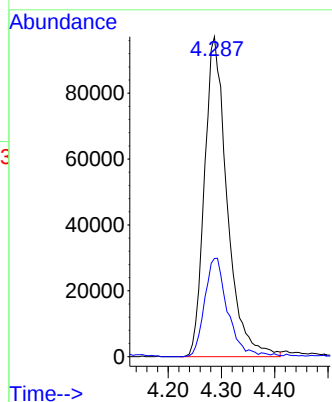
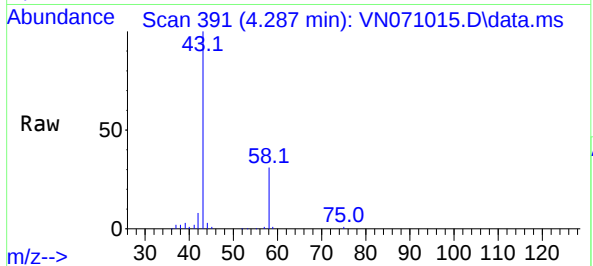




#16
Acetone
Concen: 58.768 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

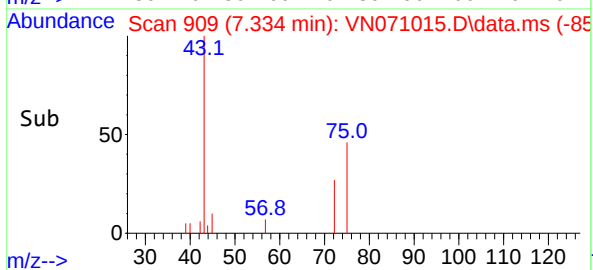
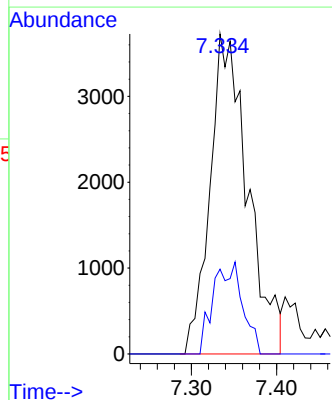
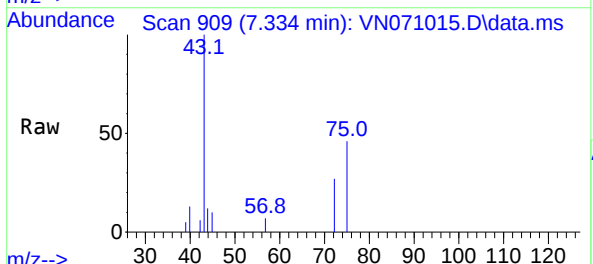
Instrument :
MSVOA_N
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WATER-COMP

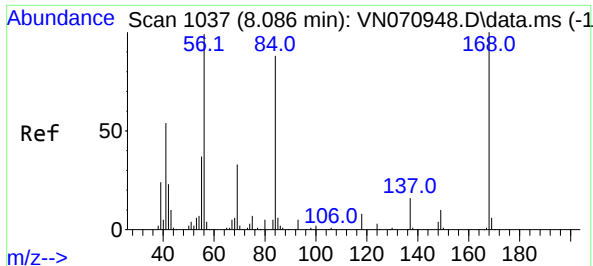
Tgt Ion: 43 Resp: 286888
Ion Ratio Lower Upper
43 100
58 30.7 23.1 34.7



#25
2-Butanone
Concen: 1.765 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 43 Resp: 11460
Ion Ratio Lower Upper
43 100
72 26.5 21.7 32.5

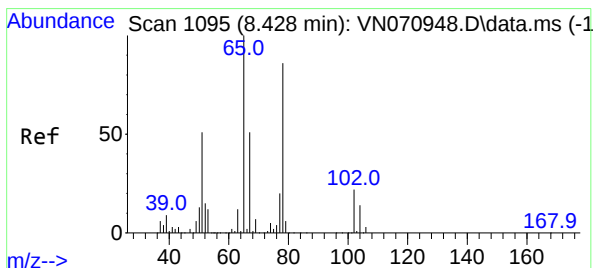
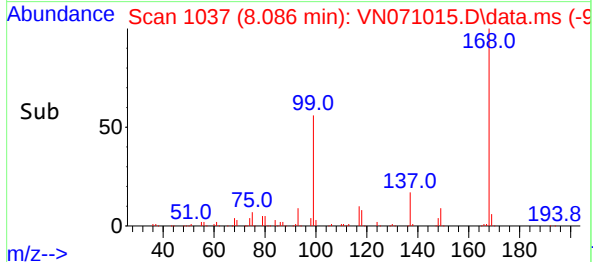
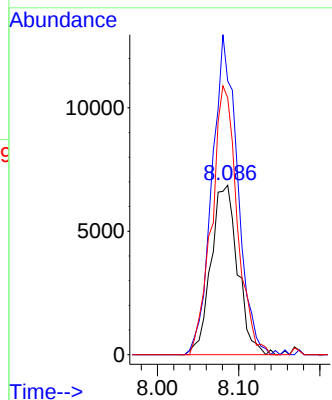
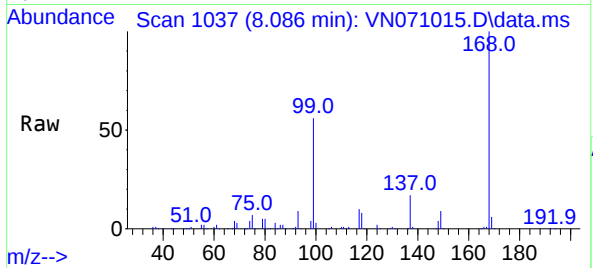




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

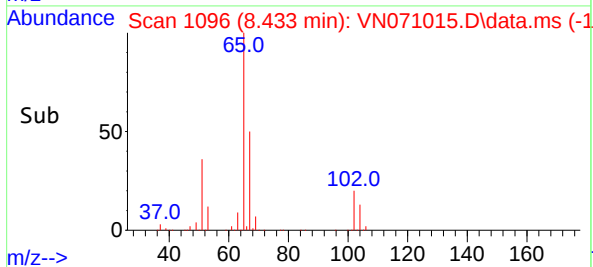
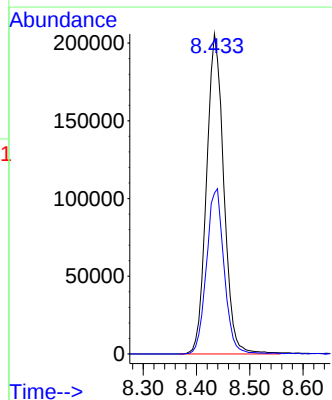
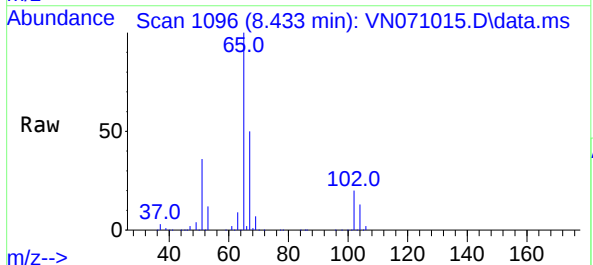
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

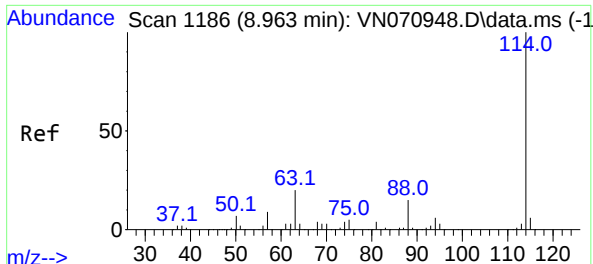
Tgt Ion: 56 Resp: 15697
Ion Ratio Lower Upper
56 100
69 161.6 27.1 40.7#
84 151.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.328 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 65 Resp: 463848
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

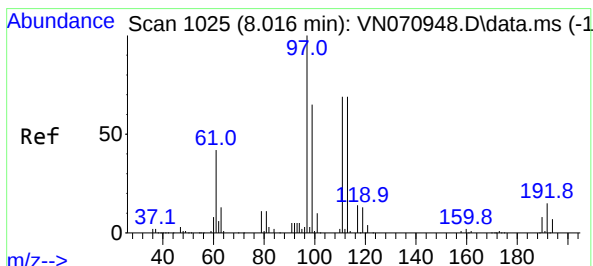
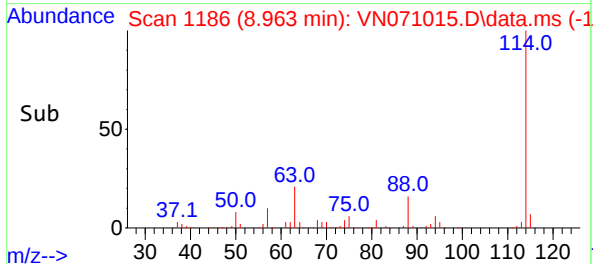
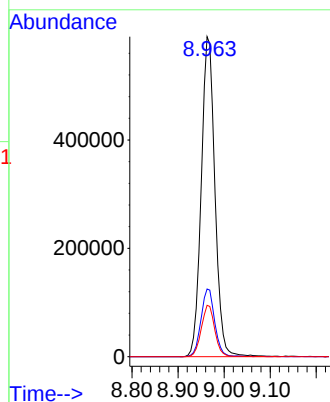
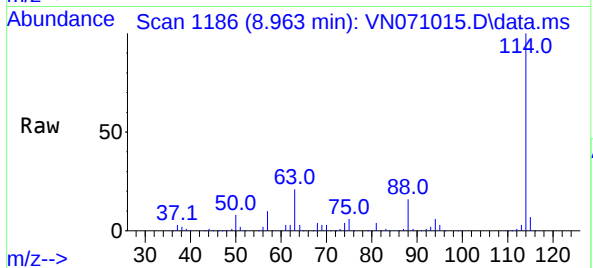




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

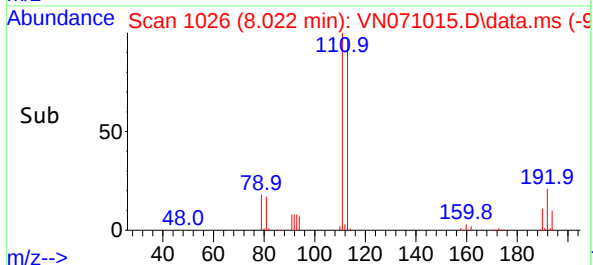
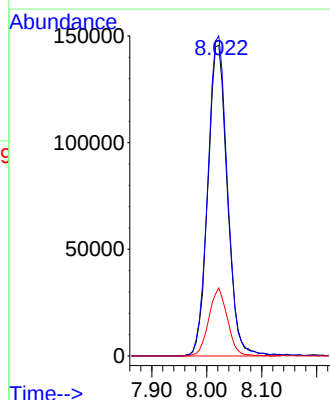
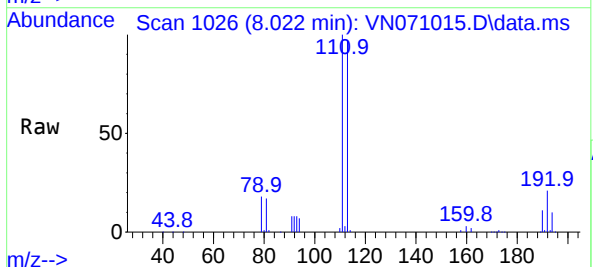
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ClientSampleId :
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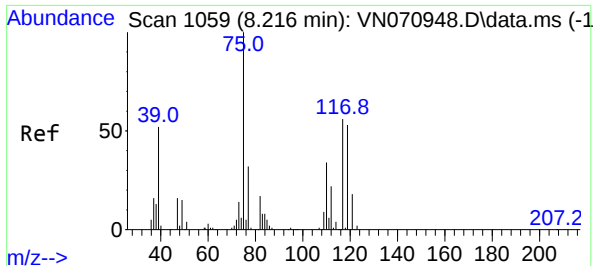
Tgt Ion:114 Resp: 1225988
Ion Ratio Lower Upper
114 100
63 21.2 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.261 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion:113 Resp: 359220
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.963 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN071015.D

Acq: 18 Feb 2022 21:03

Instrument :

MSVOA_N

ClientSampleId :

WATER-COMP

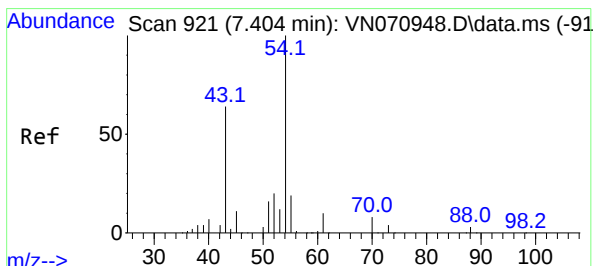
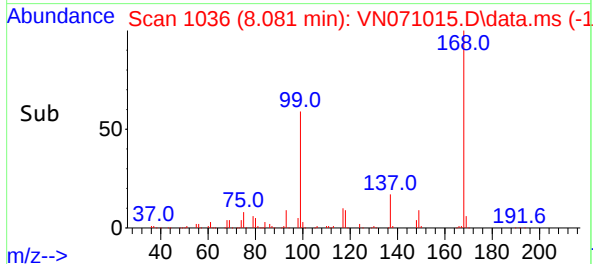
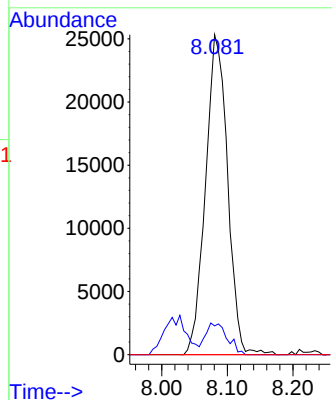
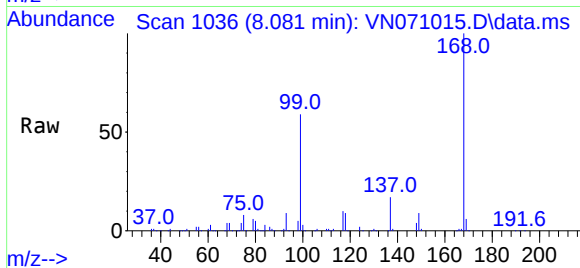
Tgt Ion: 75 Resp: 59289

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.894 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.071 min

Lab File: VN071015.D

Acq: 18 Feb 2022 21:03

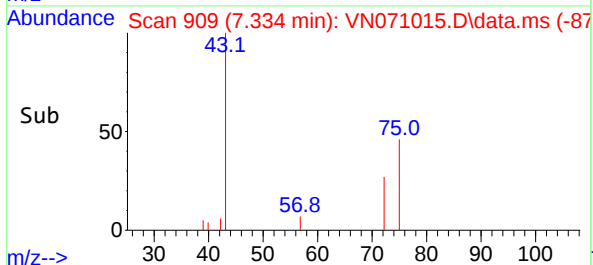
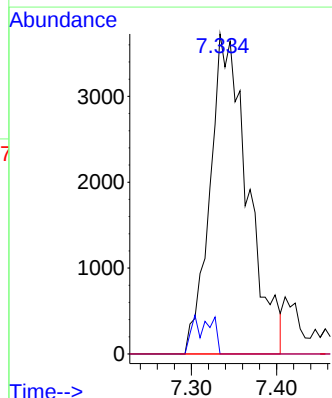
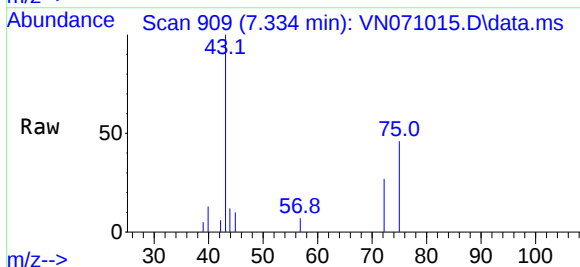
Tgt Ion: 43 Resp: 11460

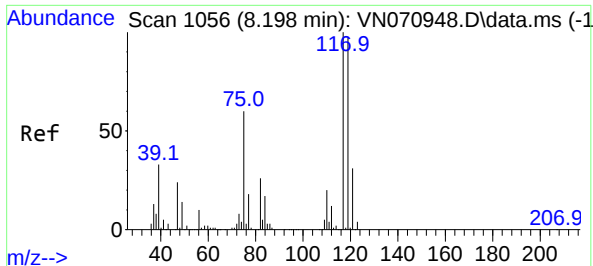
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

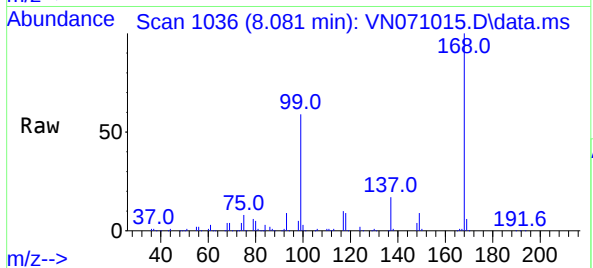
70 0.0 7.9 11.9#



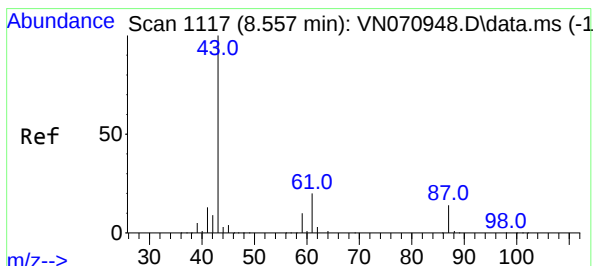
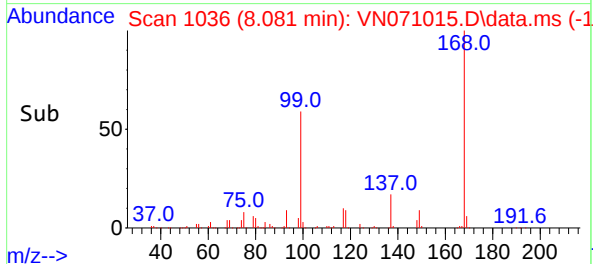
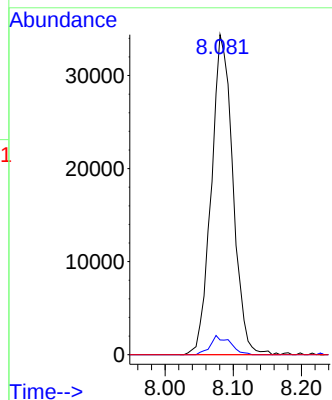


#38
Carbon Tetrachloride
Concen: 6.450 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

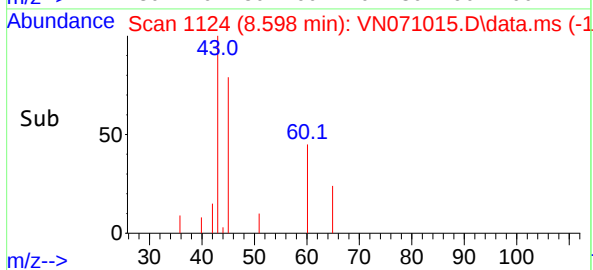
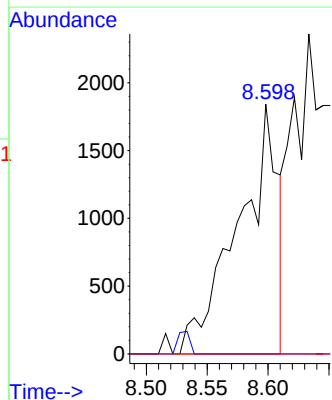
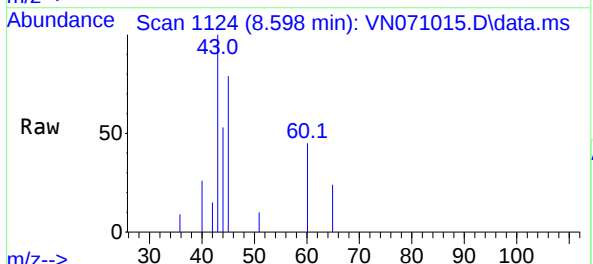


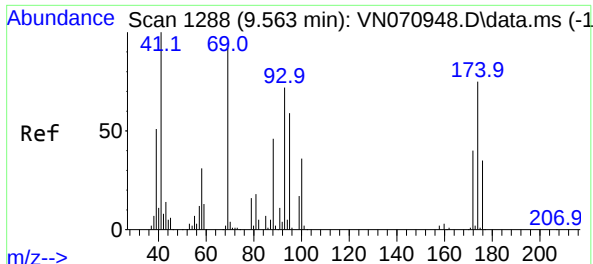
Tgt Ion:117 Resp: 75928
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.207 ug/l
RT: 8.598 min Scan# 1124
Delta R.T. 0.041 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 43 Resp: 4173
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

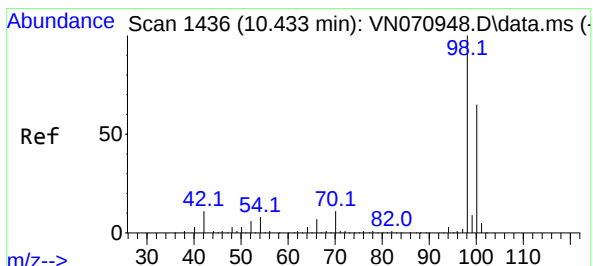
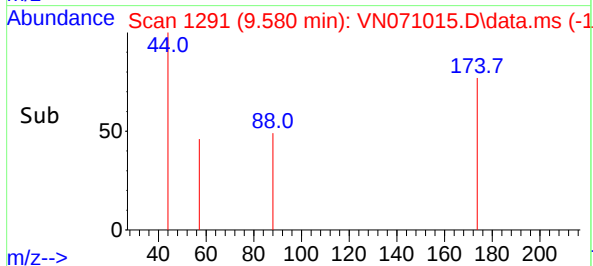
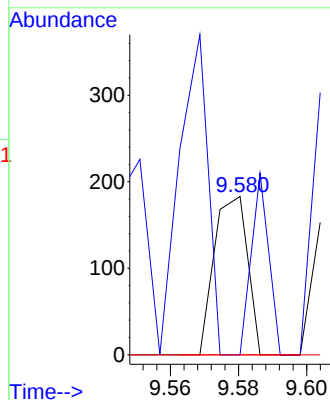
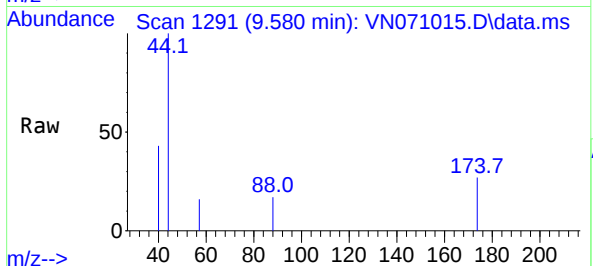




#49
1,4-Dioxane
Concen: 0.730 ug/l
RT: 9.580 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

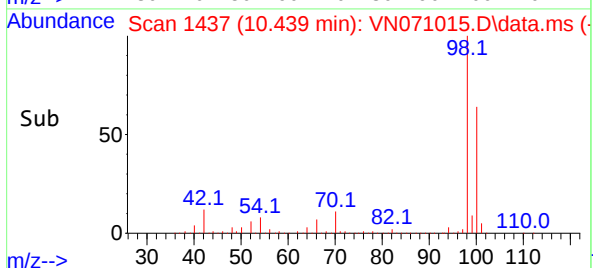
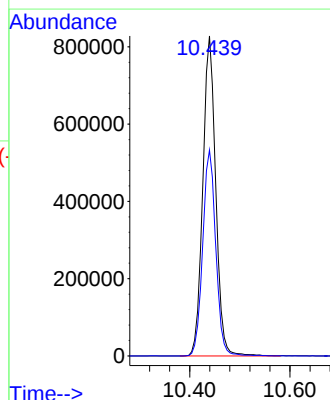
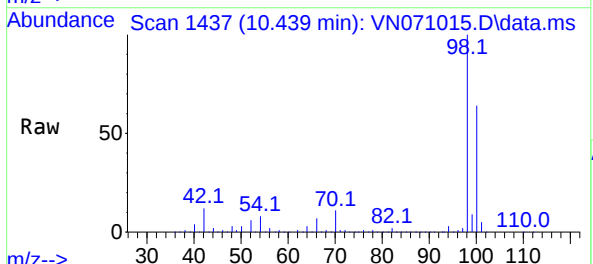
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

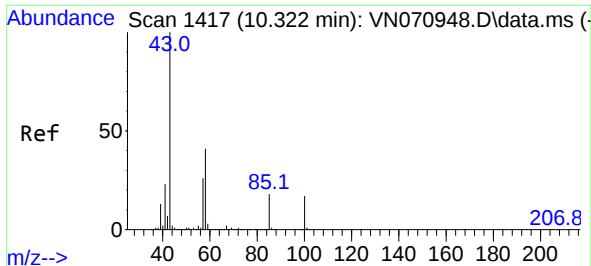
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 59.7 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.556 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 98 Resp: 1480515
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

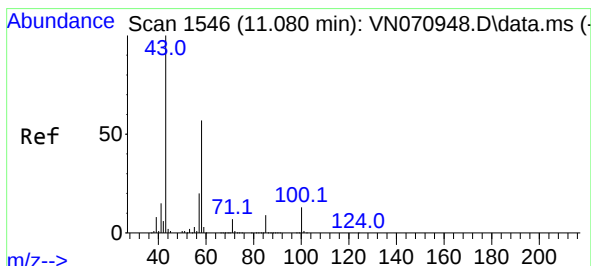
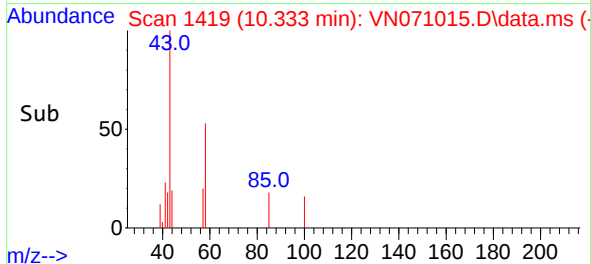
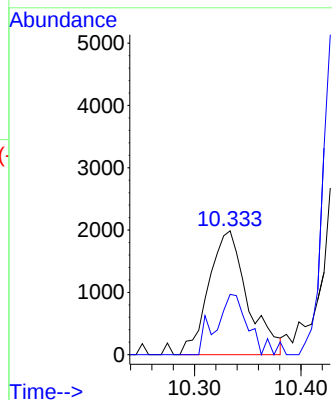
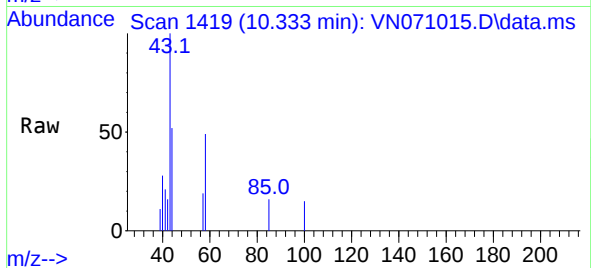




#51
4-Methyl-2-Pentanone
Concen: 0.410 ug/l
RT: 10.333 min Scan# 1417
Delta R.T. 0.012 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

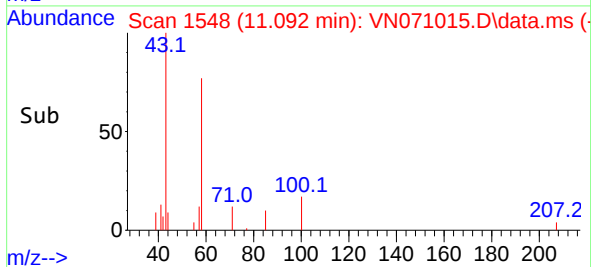
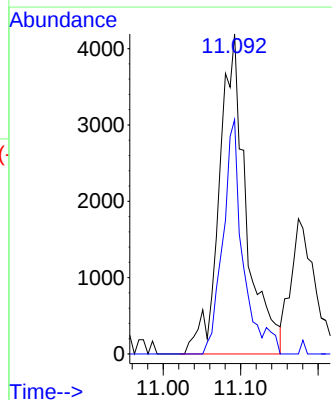
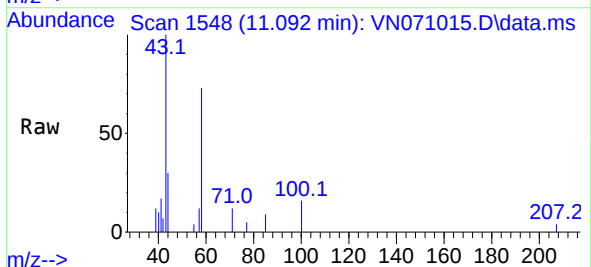
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

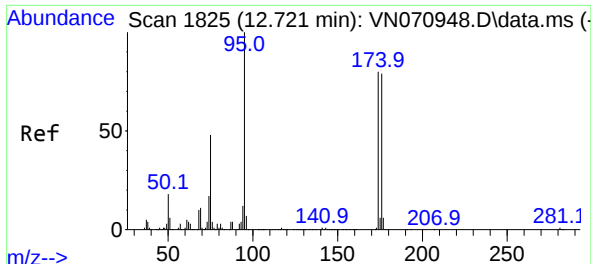
Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
58 41.2 30.4 45.6



#59
2-Hexanone
Concen: 1.197 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 43 Resp: 10116
Ion Ratio Lower Upper
43 100
58 51.4 26.9 80.7

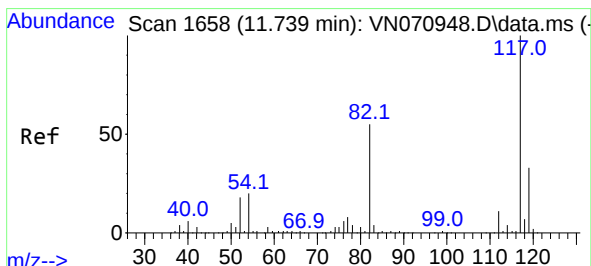
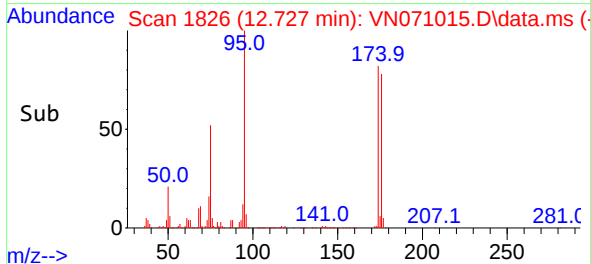
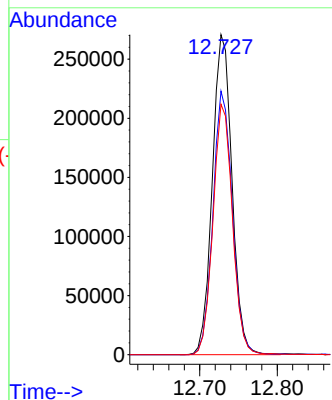
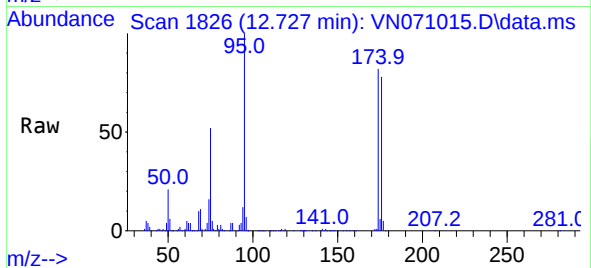




#62
4-Bromofluorobenzene
Concen: 45.578 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

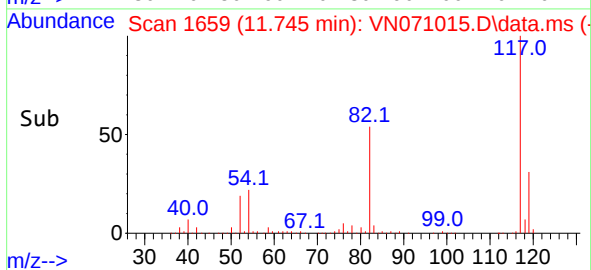
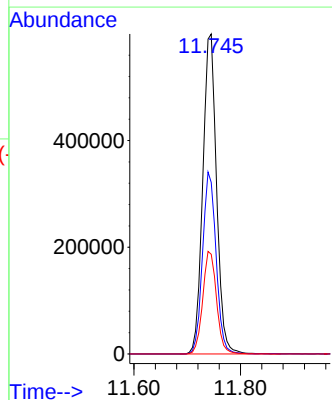
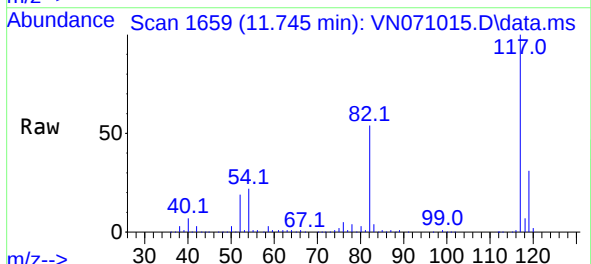
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

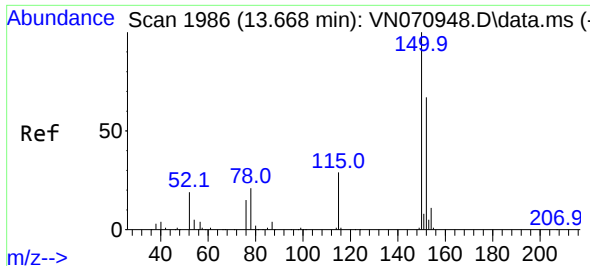
Tgt Ion: 95 Resp: 477095
Ion Ratio Lower Upper
95 100
174 81.5 0.0 187.2
176 77.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 117 Resp: 1076041
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 31.2 25.4 38.2

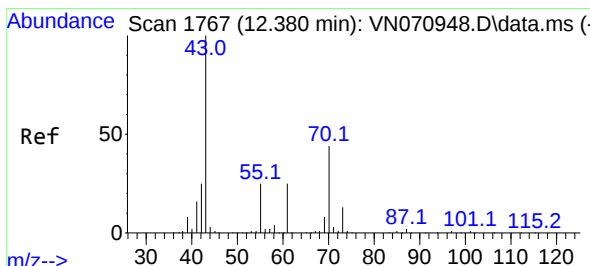
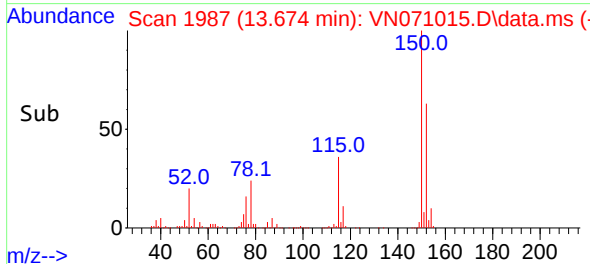
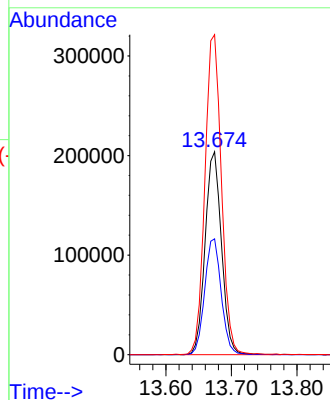
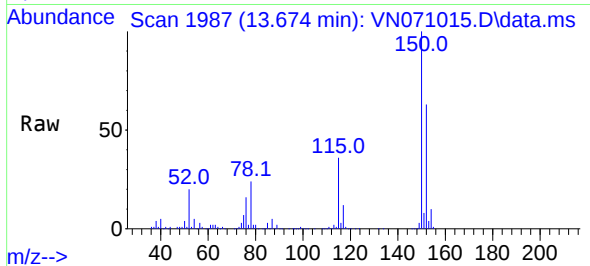




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

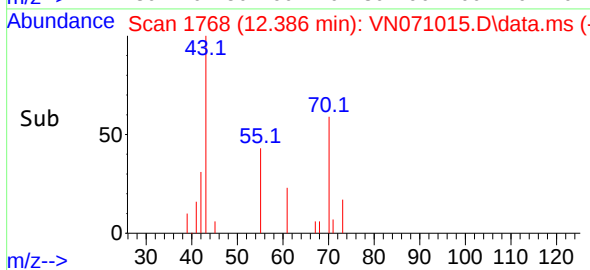
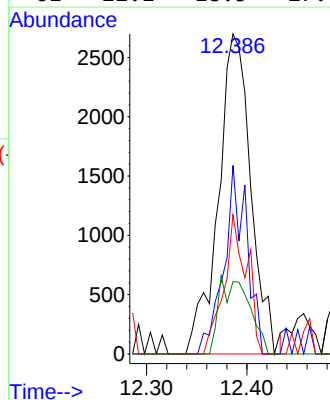
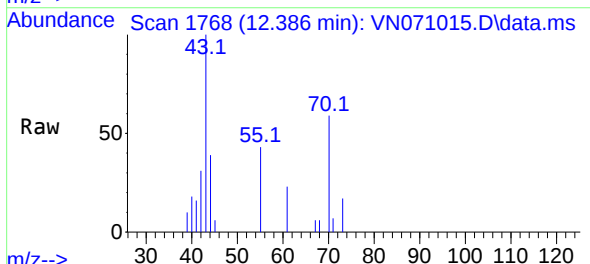
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

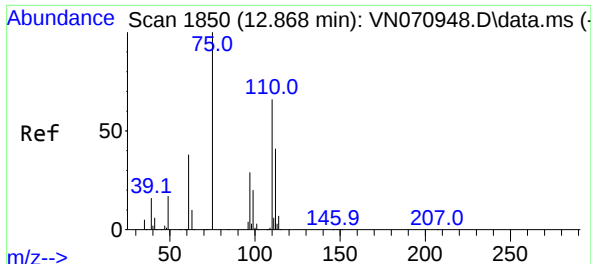
Tgt Ion:152 Resp: 354470
Ion Ratio Lower Upper
152 100
115 57.8 27.5 82.5
150 159.0 0.0 344.4



#74
N-ethyl acetate
Concen: 0.671 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 43 Resp: 6118
Ion Ratio Lower Upper
43 100
70 41.2 33.4 50.0
55 30.5 19.3 28.9#
61 22.1 18.5 27.7

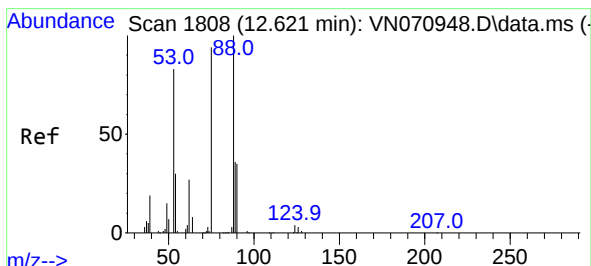
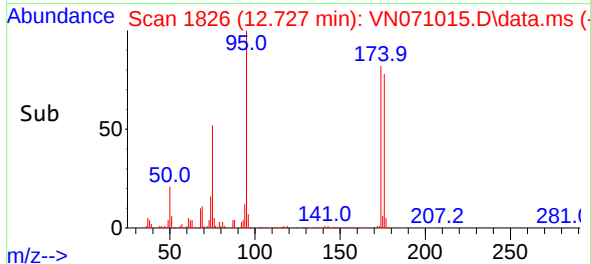
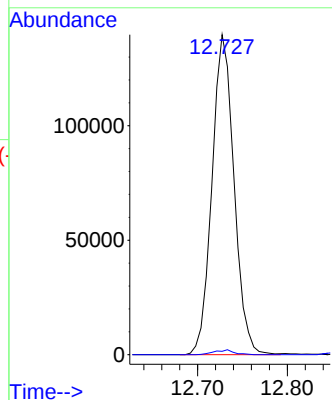
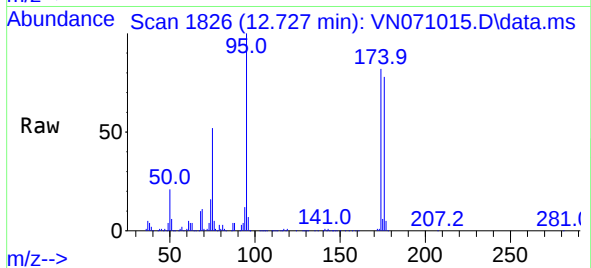




#76
1,2,3-Trichloropropane
Concen: 28.574 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

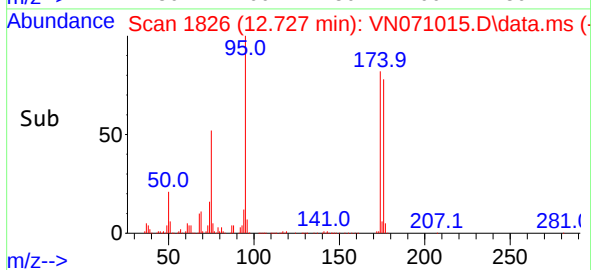
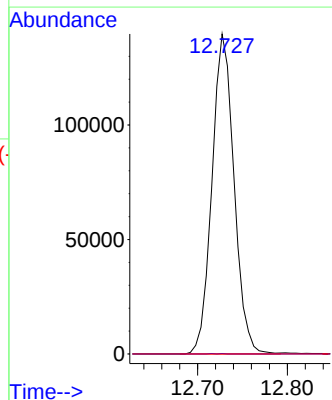
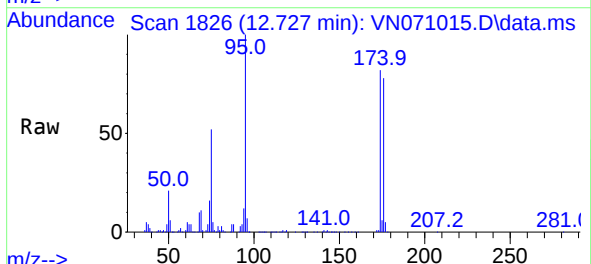
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

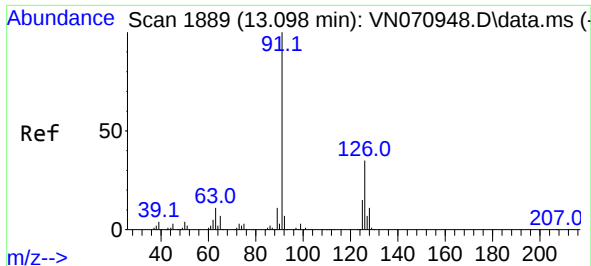
Tgt Ion: 75 Resp: 238483
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.594 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 75 Resp: 238483
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

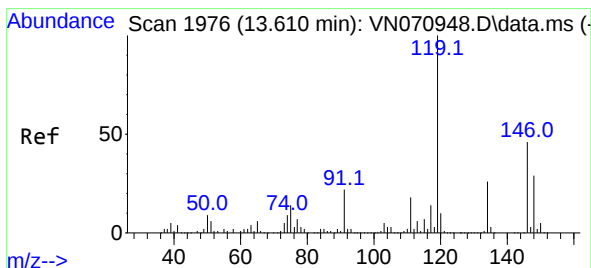
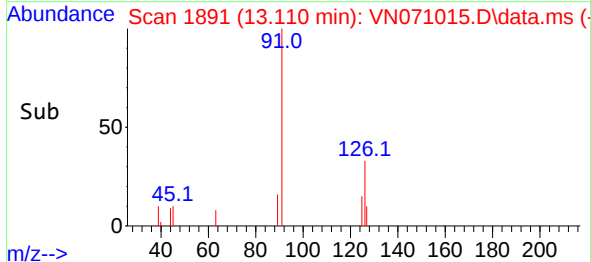
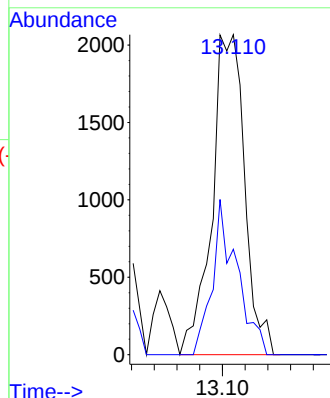
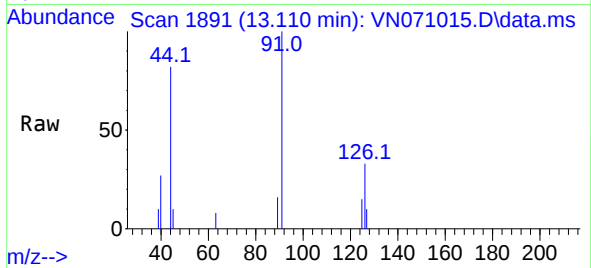




#82
4-Chlorotoluene
Concen: 0.218 ug/l
RT: 13.110 min Scan# 1889
Delta R.T. 0.012 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

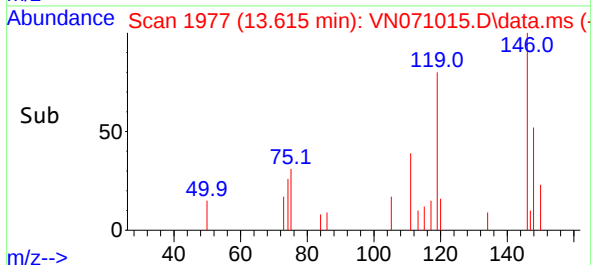
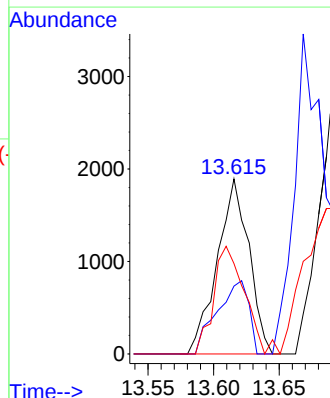
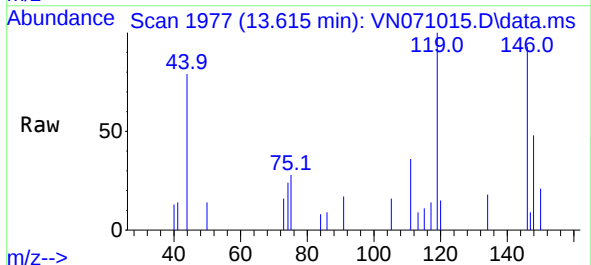
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

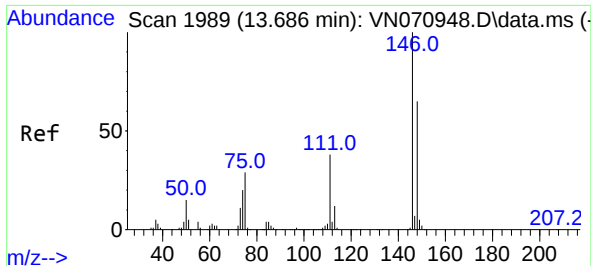
Tgt Ion: 91 Resp: 4123
Ion Ratio Lower Upper
91 100
126 36.5 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 146 Resp: 3178
Ion Ratio Lower Upper
146 100
111 41.7 18.6 55.6
148 59.1 31.6 95.0



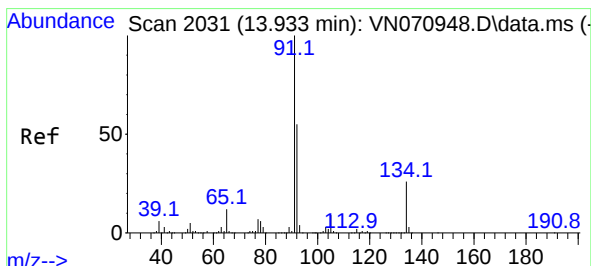
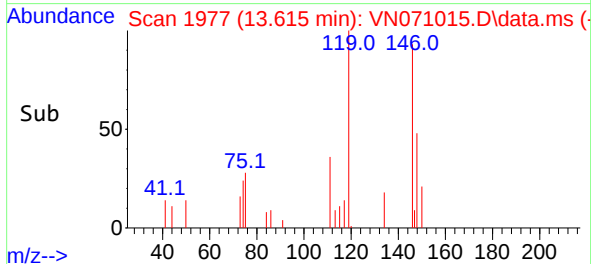
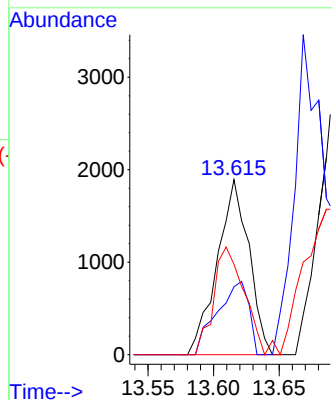
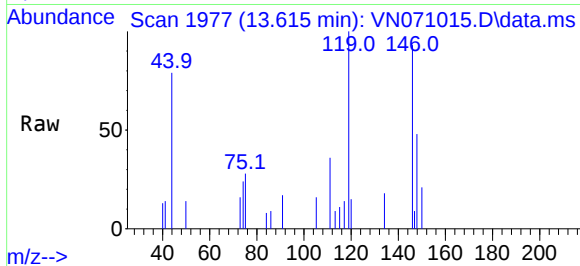


#88
1,4-Dichlorobenzene
Concen: 0.262 ug/l
RT: 13.615 min Scan# 1989
Delta R.T. -0.071 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

Tgt Ion:146 Resp: 3178

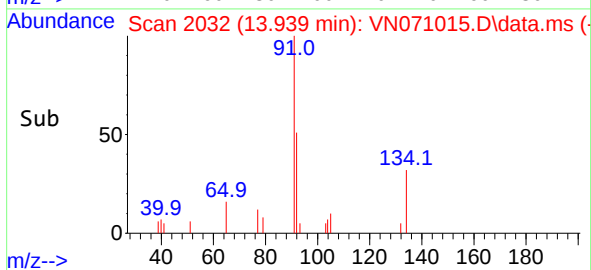
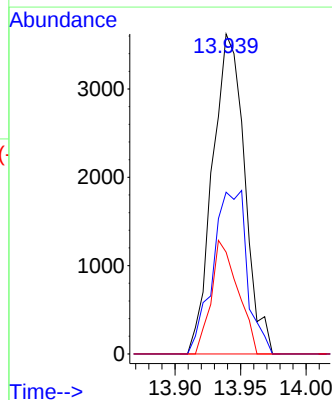
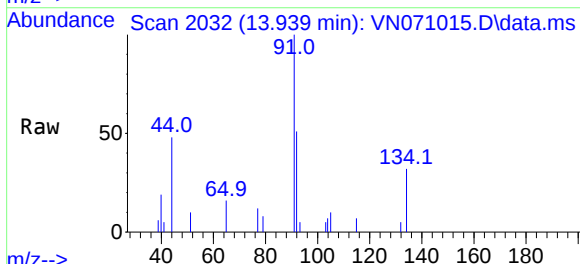
Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.3	54.8
148	59.1	31.8	95.4

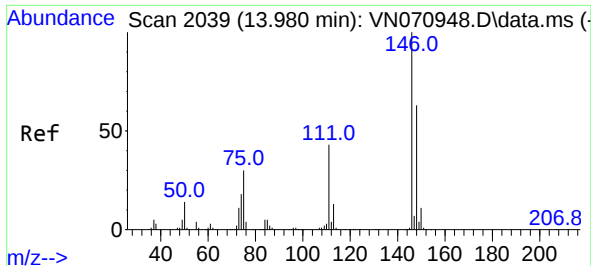


#89
n-Butylbenzene
Concen: 0.318 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion: 91 Resp: 6155

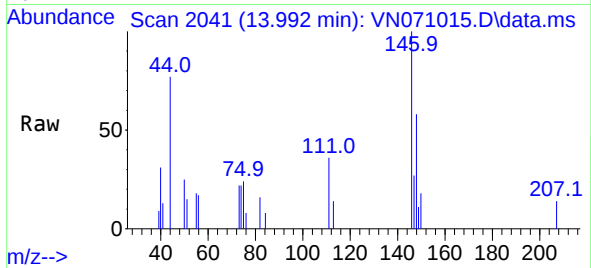
Ion	Ratio	Lower	Upper
91	100		
92	54.3	25.4	76.0
134	29.4	13.6	40.8



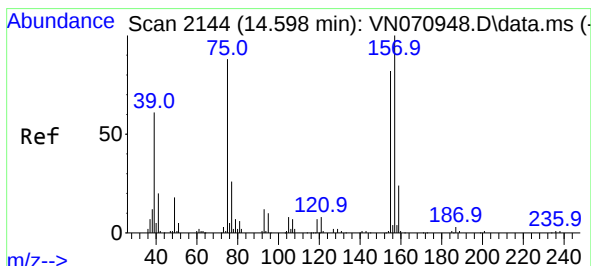
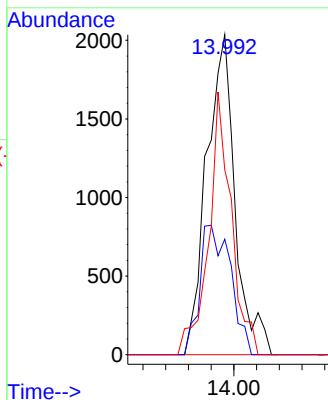
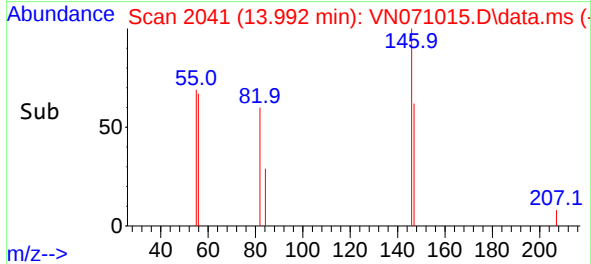


#91
1,2-Dichlorobenzene
Concen: 0.306 ug/l
RT: 13.992 min Scan# 2041
Delta R.T. 0.012 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

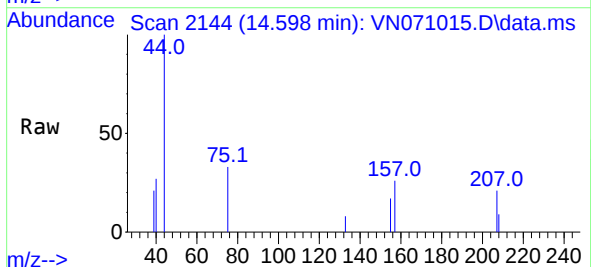
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP



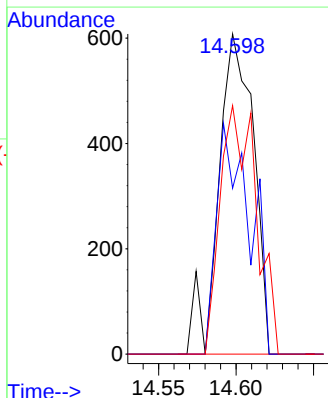
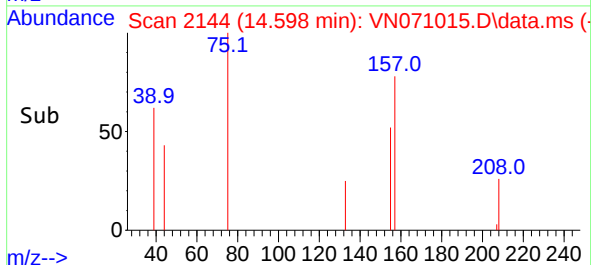
Tgt Ion:146 Resp: 3547
Ion Ratio Lower Upper
146 100
111 43.8 19.1 57.3
148 64.9 32.1 96.3

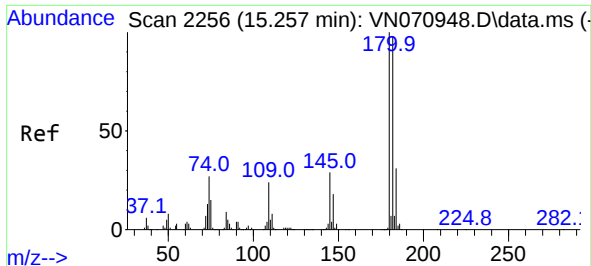


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.650 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03



Tgt Ion: 75 Resp: 955
Ion Ratio Lower Upper
75 100
155 68.4 46.9 140.7
157 79.8 60.6 181.7

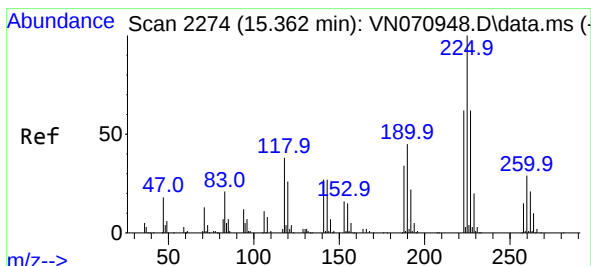
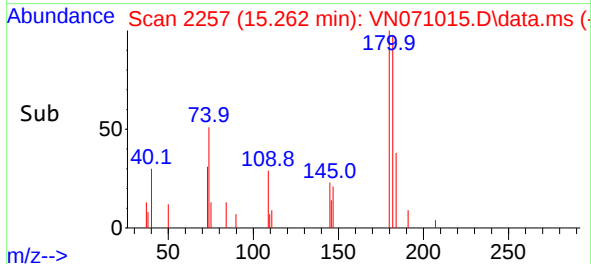
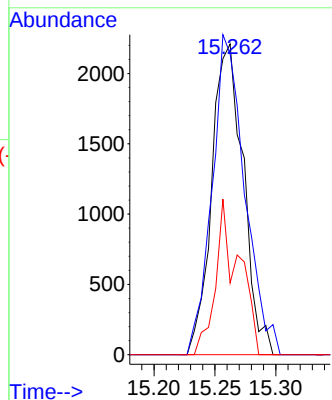
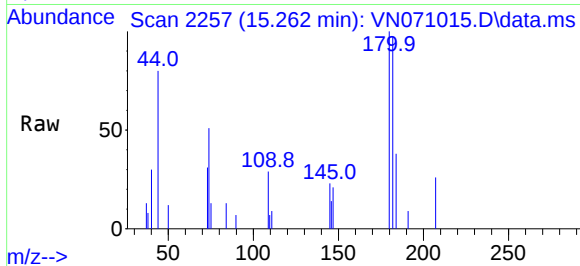




#93
1,2,4-Trichlorobenzene
Concen: 2.584 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

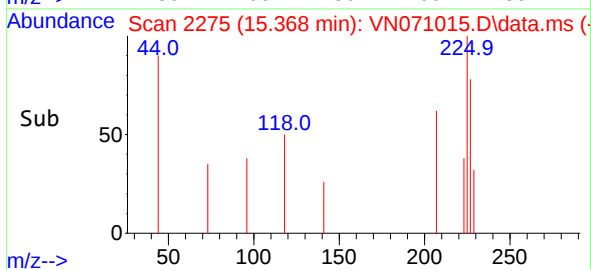
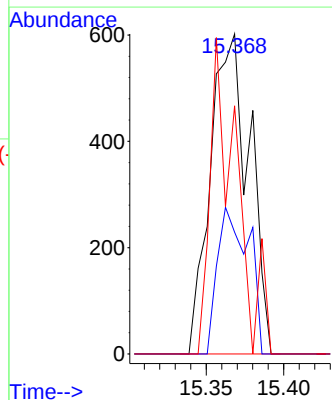
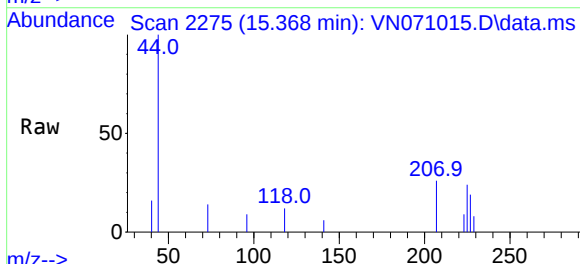
Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

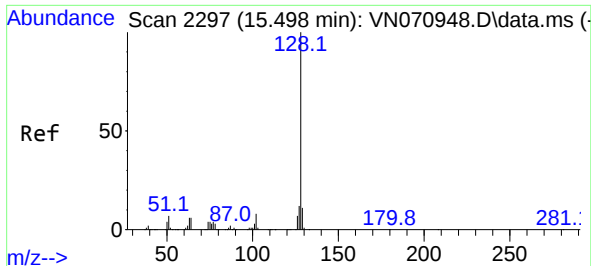
Tgt Ion:	180	Resp:	3978
Ion	Ratio	Lower	Upper
180	100		
182	106.6	48.3	144.9
145	37.1	14.5	43.5



#94
Hexachlorobutadiene
Concen: 0.249 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion:	225	Resp:	1055
Ion	Ratio	Lower	Upper
225	100		
223	36.7	31.9	95.7
227	66.7	32.1	96.3

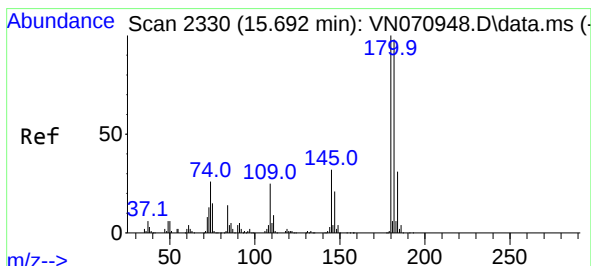
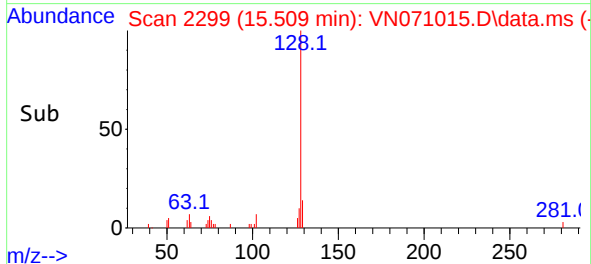
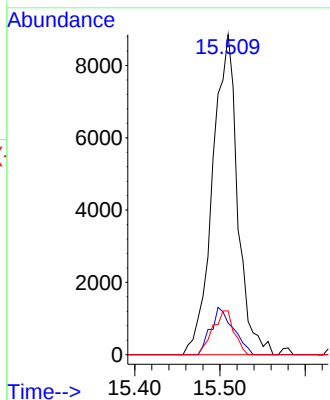
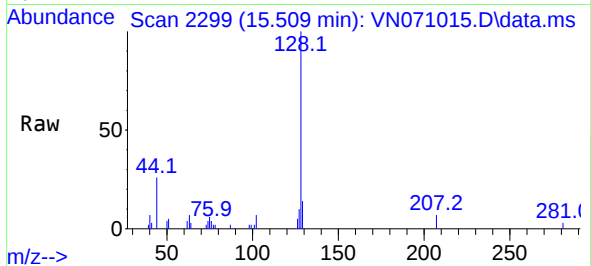




#95
Naphthalene
Concen: 6.017 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Instrument :
MSVOA_N
ClientSampleId :
WATER-COMP

Tgt Ion:	128	Resp:	18079
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.326 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071015.D
Acq: 18 Feb 2022 21:03

Tgt Ion:	180	Resp:	5130
Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.4	142.2
145	30.9	15.0	45.1

