

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071779.D
 Acq On : 02 Apr 2022 02:34
 Operator : JC\MD
 Sample : N2222-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

Quant Time: Apr 02 05:33:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

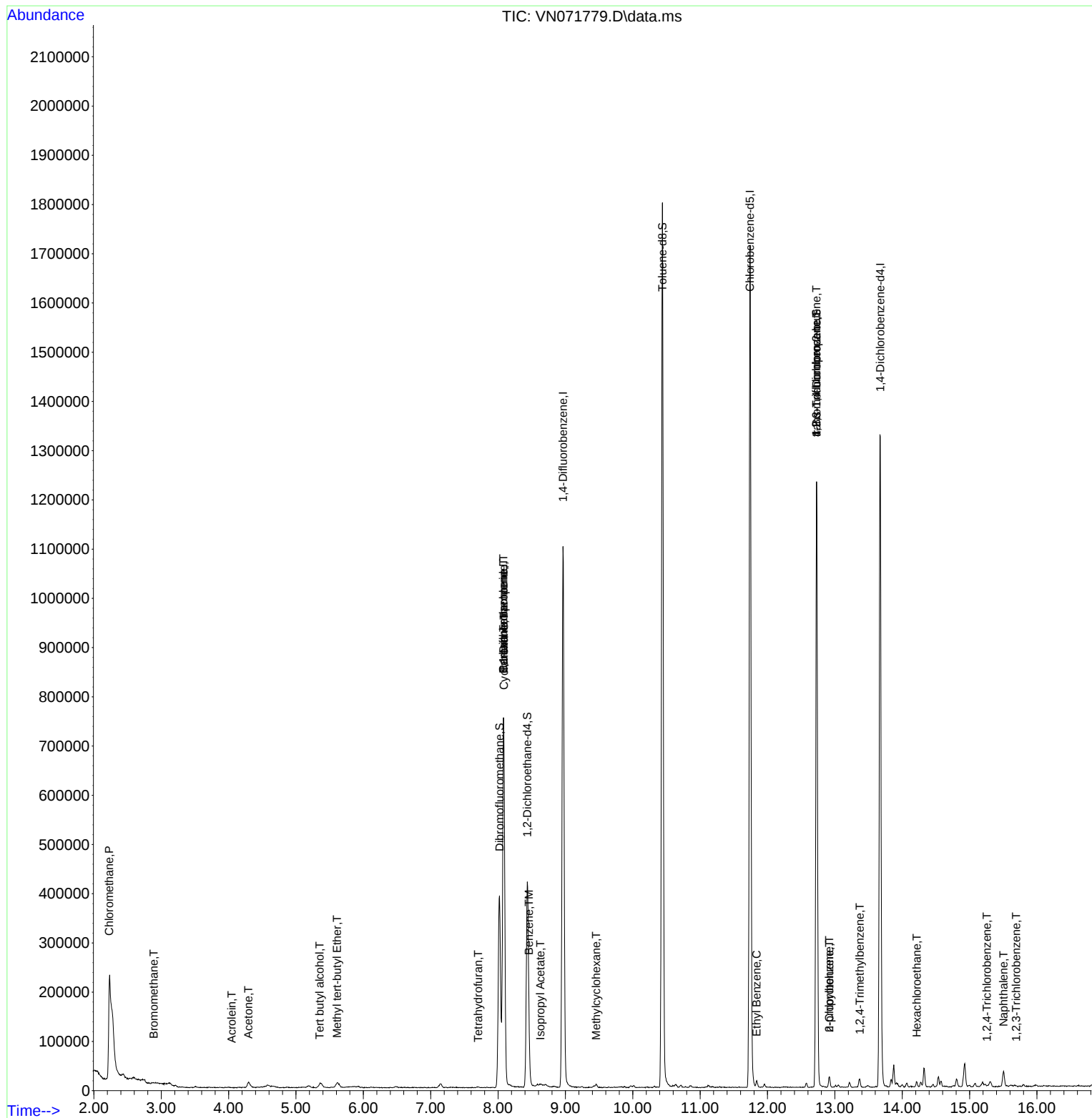
Internal Standards						
1) Pentafluorobenzene	8.081	168	604514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1032514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1064679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	402877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	348904	50.557	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.120%			
35) Dibromofluoromethane	8.022	113	296192	48.750	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.500%			
50) Toluene-d8	10.439	98	1287214	51.790	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.727	95	439743	54.706	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.420%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.228	50	6610	1.085	ug/l #	43
5) Bromomethane	2.887	94	1227	0.282	ug/l	90
11) Tert butyl alcohol	5.351	59	19527	17.436	ug/l #	89
13) Acrolein	4.046	56	335	0.245	ug/l #	36
16) Acetone	4.293	43	17835	6.047	ug/l	96
18) Methyl Acetate	4.869	43	2403	Below Cal	#	65
19) Methyl tert-butyl Ether	5.610	73	15419	0.832	ug/l #	78
29) Tetrahydrofuran	7.704	42	1011	0.367	ug/l #	55
31) Cyclohexane	8.086	56	14237	1.517	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	41653	4.909	ug/l #	49
38) Carbon Tetrachloride	8.081	117	54487	6.553	ug/l #	17
39) Methylcyclohexane	9.457	83	3006	0.298	ug/l #	84
40) Benzene	8.457	78	31226	1.165	ug/l	99
43) Isopropyl Acetate	8.628	43	6610	0.428	ug/l #	53
67) Ethyl Benzene	11.839	91	8695	0.241	ug/l #	80
76) 1,2,3-Trichloropropane	12.727	75	214677	23.002	ug/l #	1
78) n-propylbenzene	12.916	91	18929	0.530	ug/l	100
79) 2-Chlorotoluene	12.916	91	18929	0.827	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.727	75	214677	71.283	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.368	105	10976	0.418	ug/l	98
90) Hexachloroethane	14.215	117	958	0.206	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.257	180	239	2.122	ug/l #	1
95) Naphthalene	15.504	128	31389	5.384	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	352	2.468	ug/l #	65

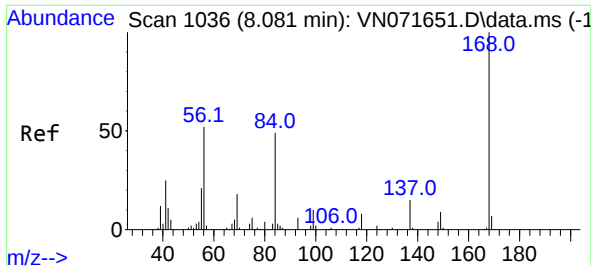
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

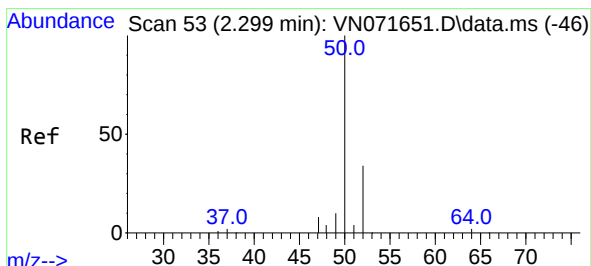
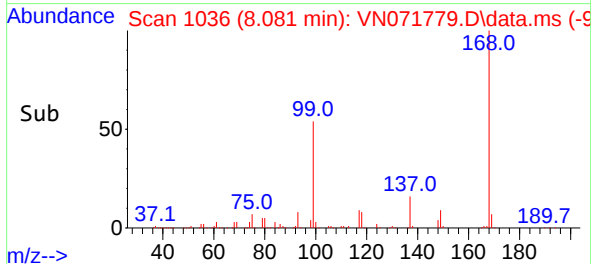
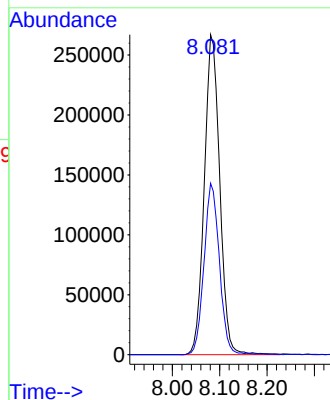
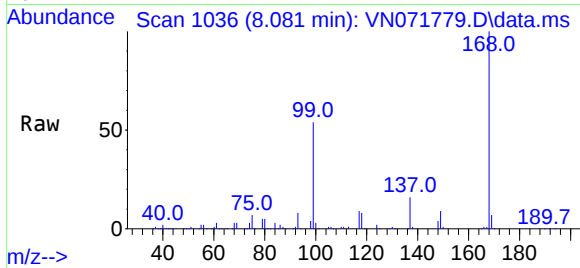




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

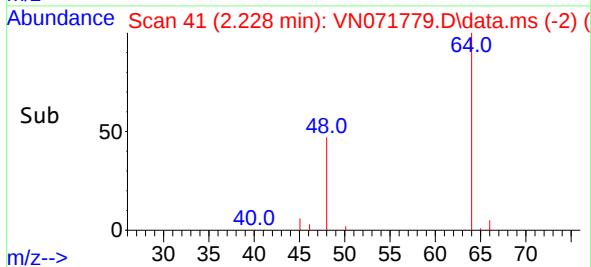
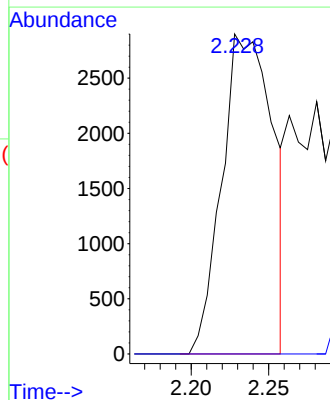
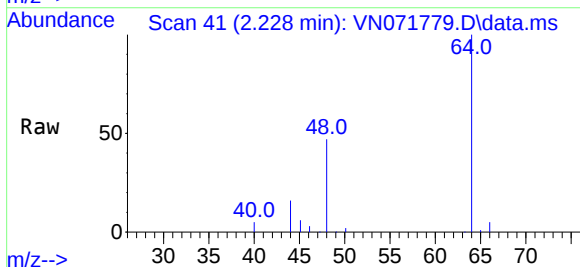
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MSVOA_N
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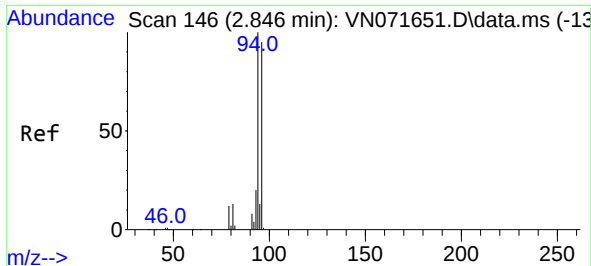
Tgt Ion:168 Resp: 604514
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#3
Chloromethane
Concen: 1.085 ug/l
RT: 2.228 min Scan# 41
Delta R.T. -0.071 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 50 Resp: 6610
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

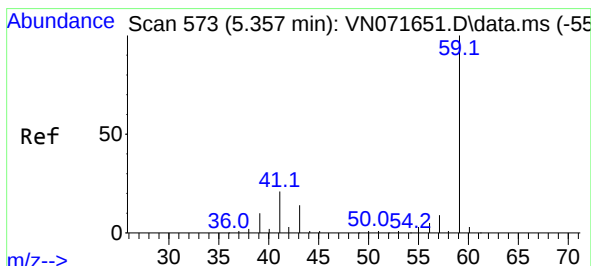
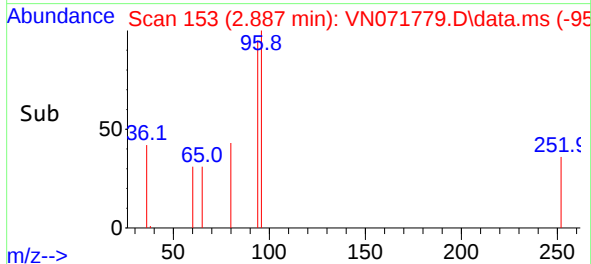
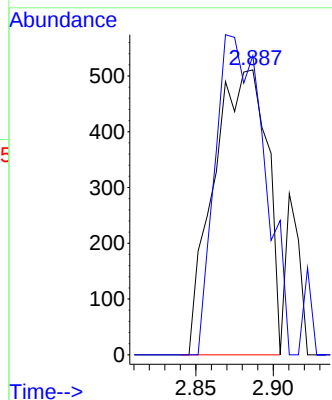
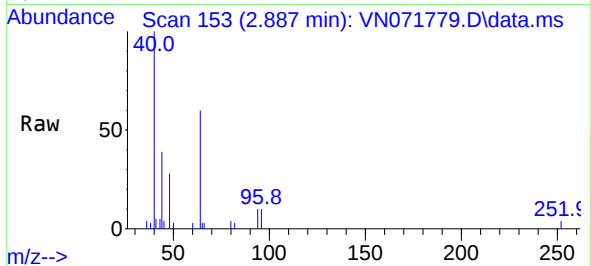




#5
Bromomethane
Concen: 0.282 ug/l
RT: 2.887 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

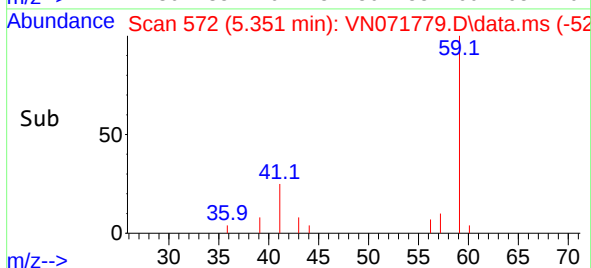
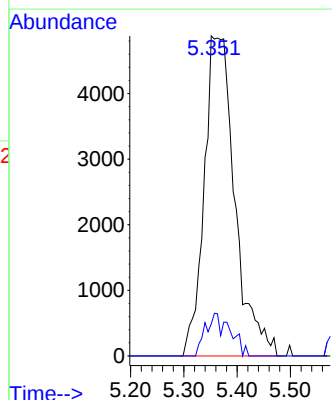
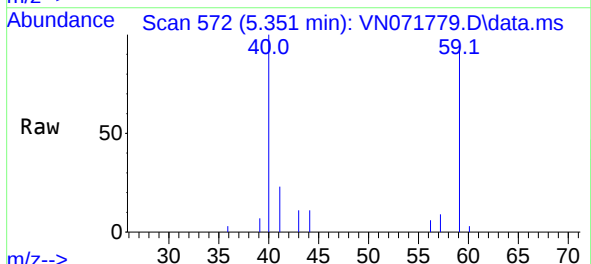
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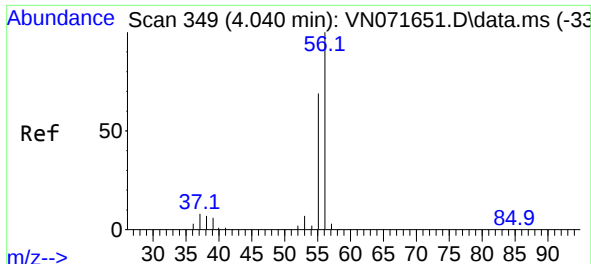
Tgt Ion: 94 Resp: 1227
Ion Ratio Lower Upper
94 100
96 104.9 76.0 114.0



#11
Tert butyl alcohol
Concen: 17.436 ug/l
RT: 5.351 min Scan# 572
Delta R.T. -0.006 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 59 Resp: 19527
Ion Ratio Lower Upper
59 100
57 6.2 8.3 12.5#

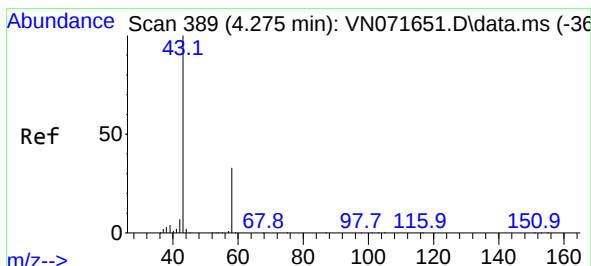
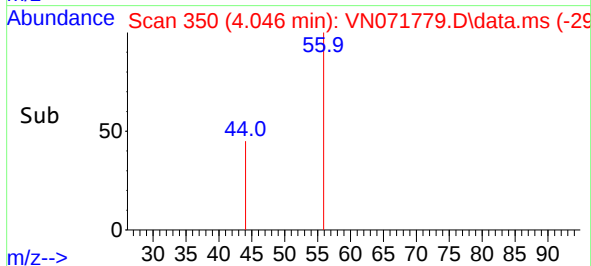
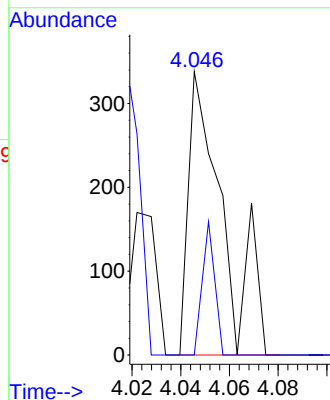
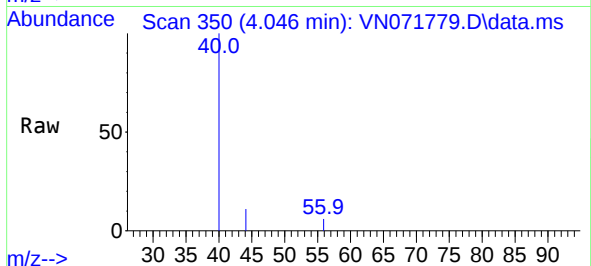




#13
Acrolein
Concen: 0.245 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

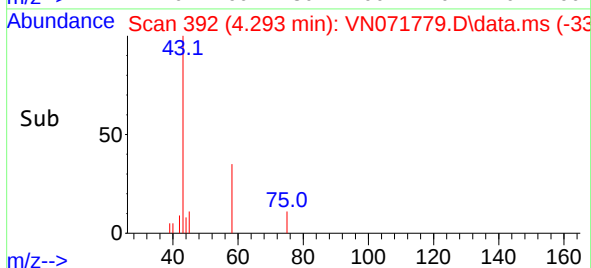
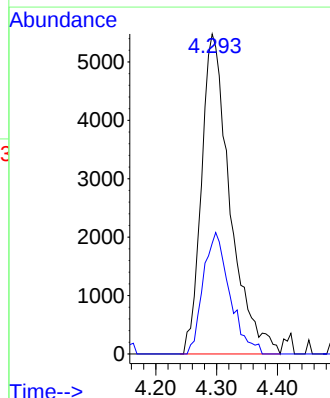
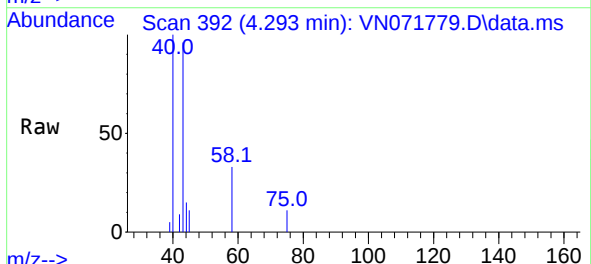
Instrument :
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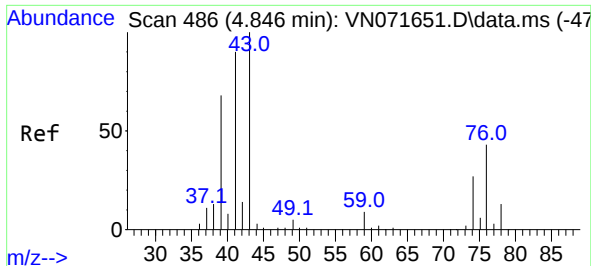
Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 16.7 54.8 82.2#



#16
Acetone
Concen: 6.047 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 43 Resp: 17835
Ion Ratio Lower Upper
43 100
58 34.6 26.0 39.0

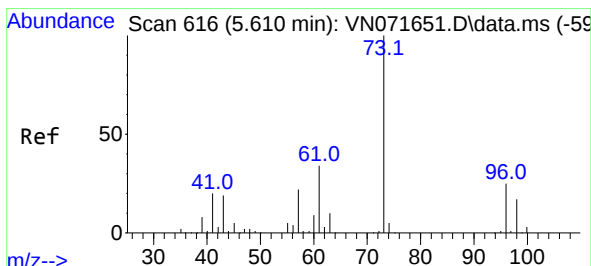
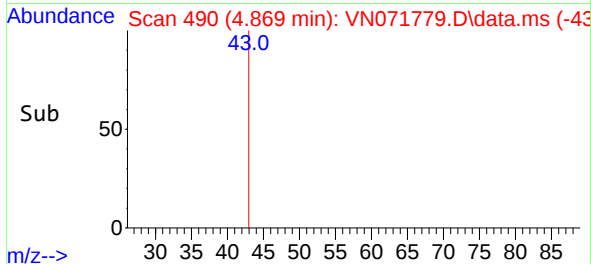
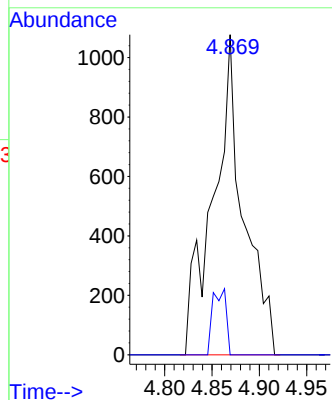
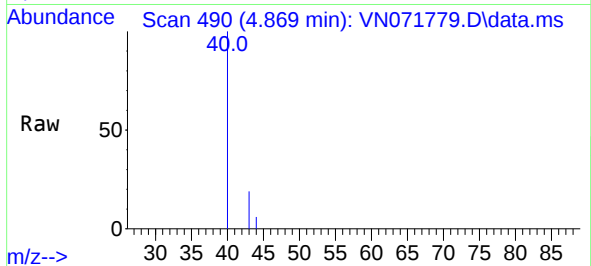




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

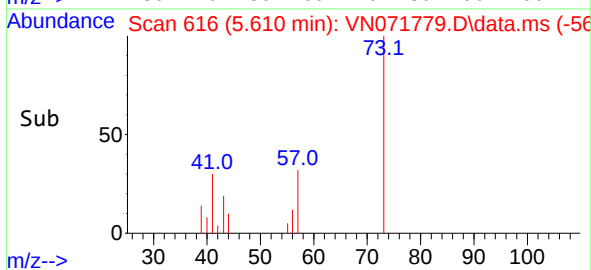
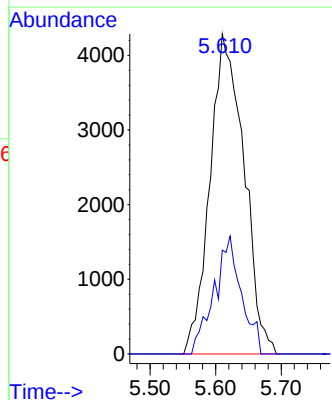
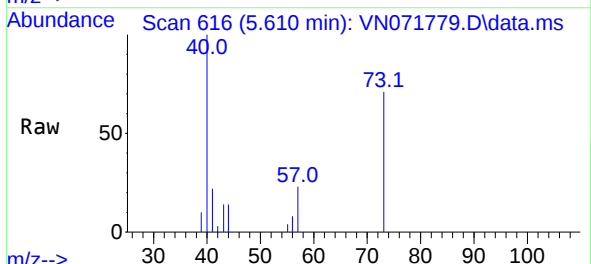
Instrument :
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ClientSampleId :
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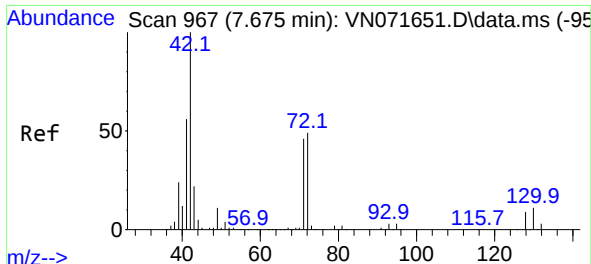
Tgt Ion: 43 Resp: 2403
Ion Ratio Lower Upper
43 100
74 9.0 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.832 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 73 Resp: 15419
Ion Ratio Lower Upper
73 100
57 32.4 17.6 26.4#

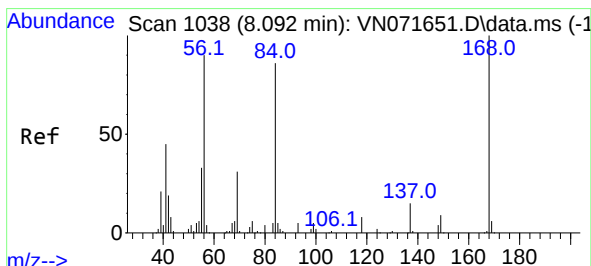
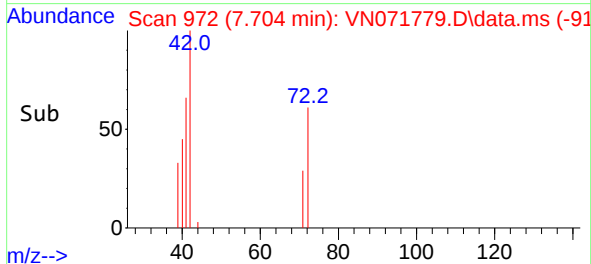
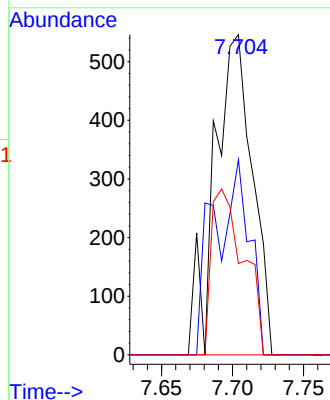
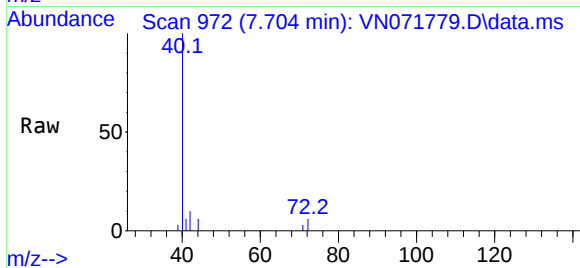




#29
Tetrahydrofuran
Concen: 0.367 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

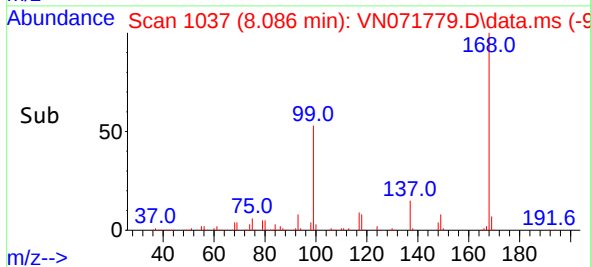
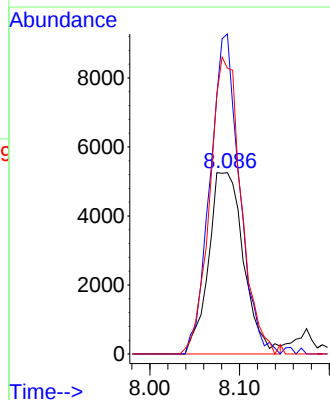
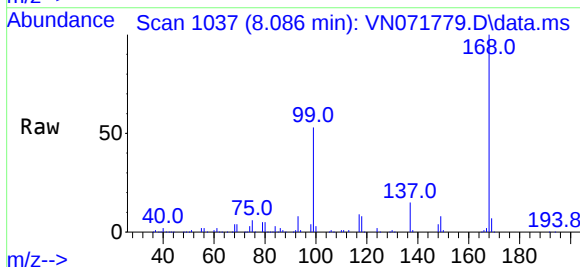
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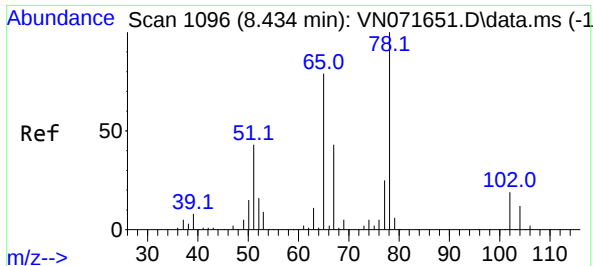
Tgt Ion: 42 Resp: 1011
Ion Ratio Lower Upper
42 100
72 33.6 39.7 59.5#
71 0.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.517 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 56 Resp: 14237
Ion Ratio Lower Upper
56 100
69 176.5 27.8 41.8#
84 157.6 76.9 115.3#

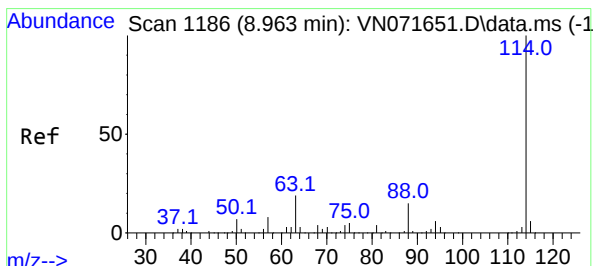
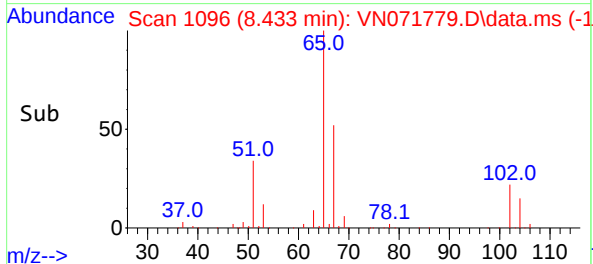
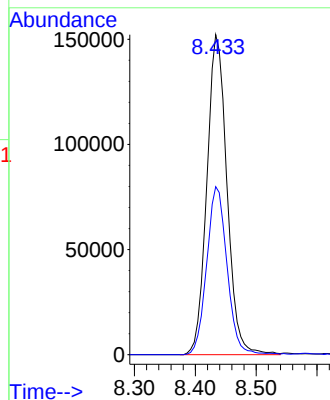
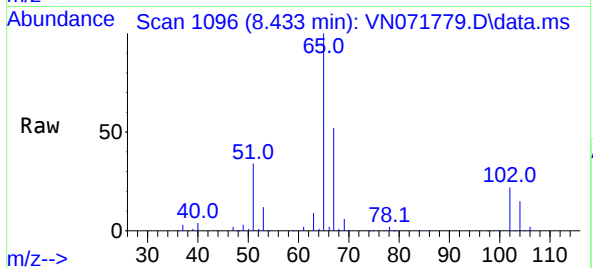




#33
1,2-Dichloroethane-d4
Concen: 50.557 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

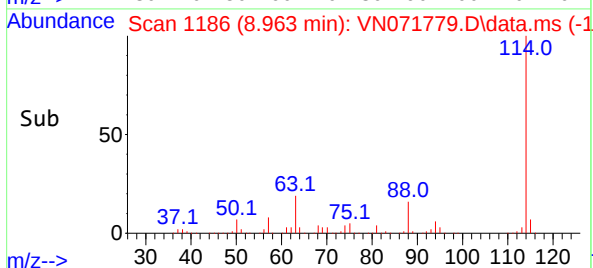
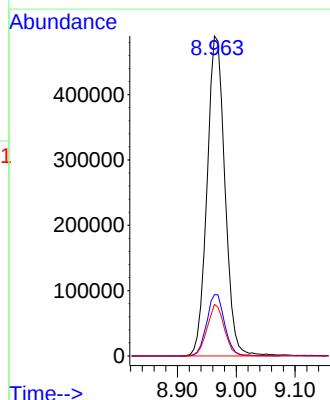
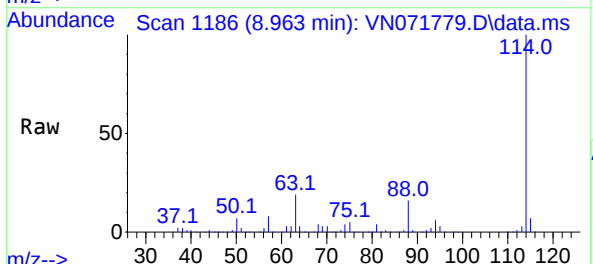
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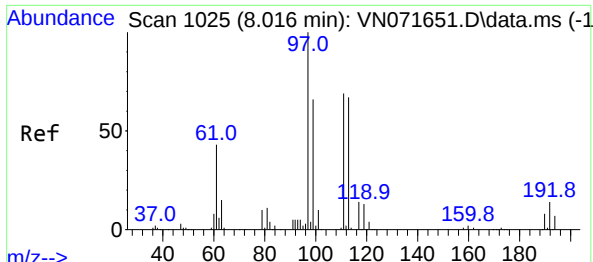
Tgt Ion: 65 Resp: 348904
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion:114 Resp: 1032514
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 16.1 0.0 32.6

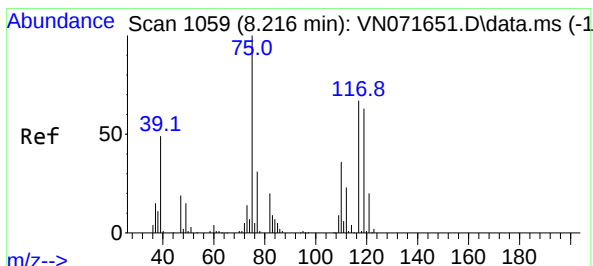
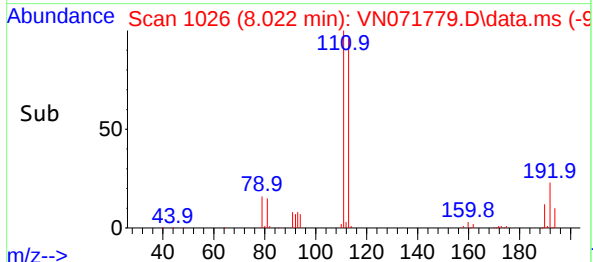
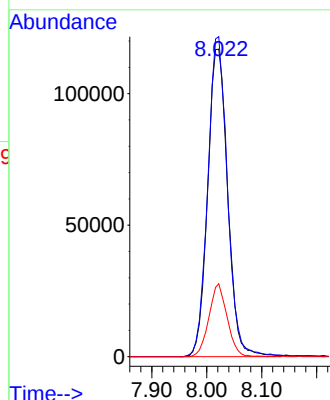
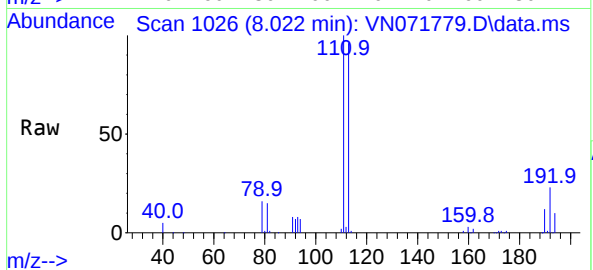




#35
Dibromofluoromethane
Concen: 48.750 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

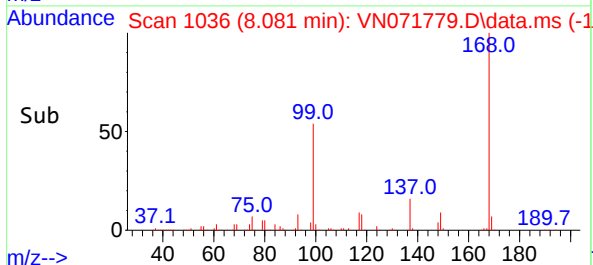
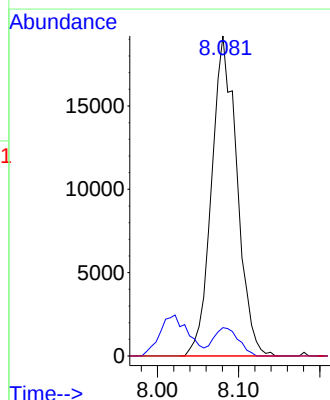
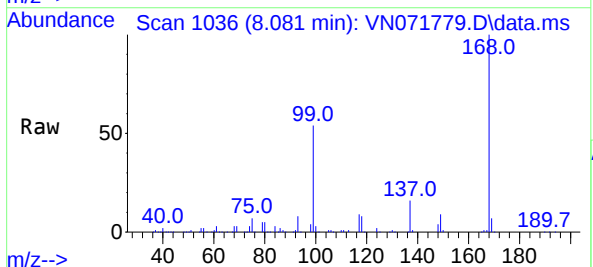
Instrument :
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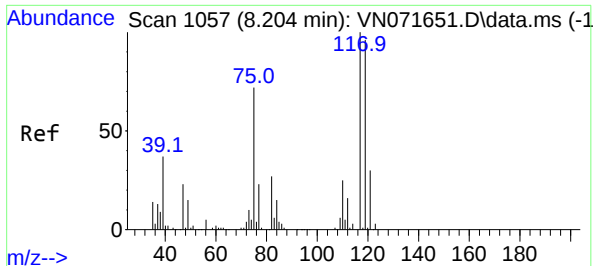
Tgt Ion:113 Resp: 296192
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 75 Resp: 41653
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#

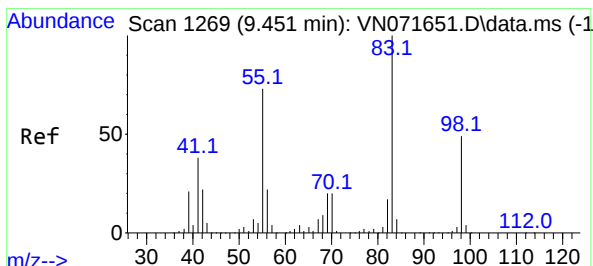
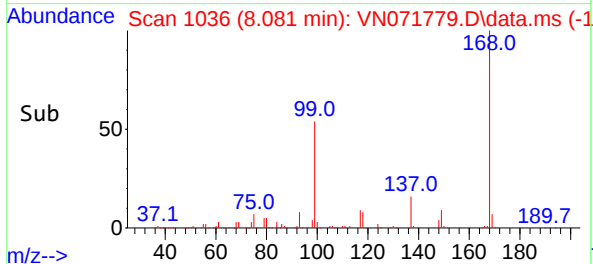
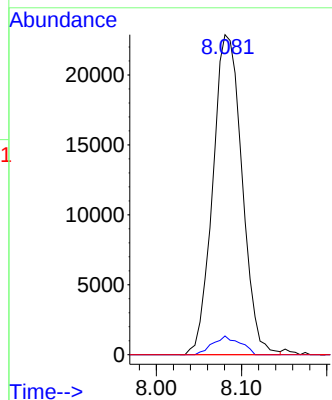
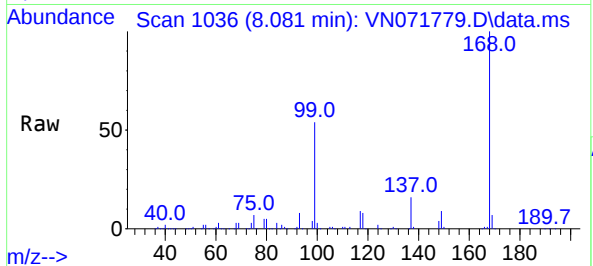




#38
Carbon Tetrachloride
Concen: 6.553 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

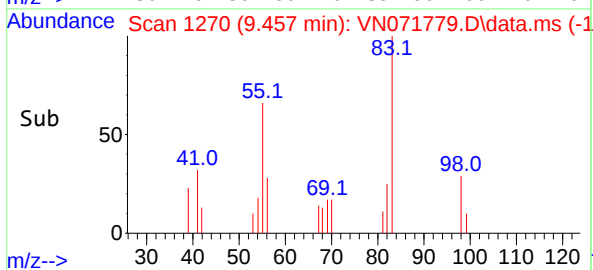
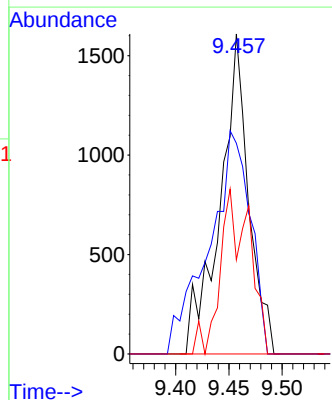
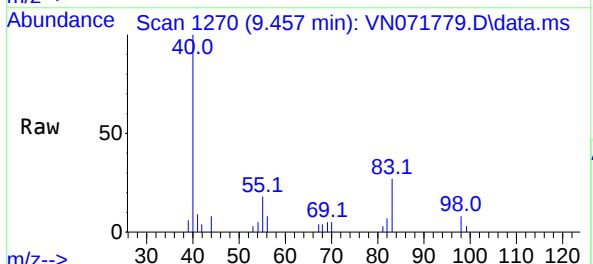
Instrument :
MSVOA_N
ClientSampleId :
MW-18

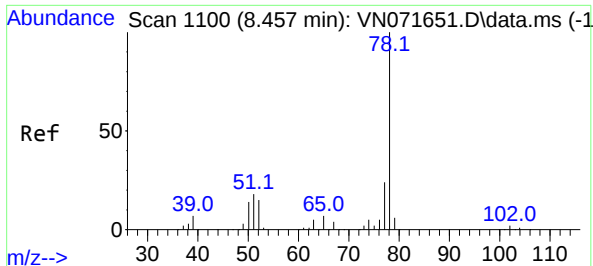
Tgt Ion:117 Resp: 54487
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.298 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 83 Resp: 3006
Ion Ratio Lower Upper
83 100
55 65.9 57.8 86.8
98 29.4 39.4 59.2#

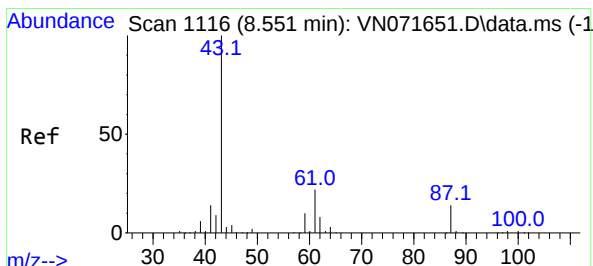
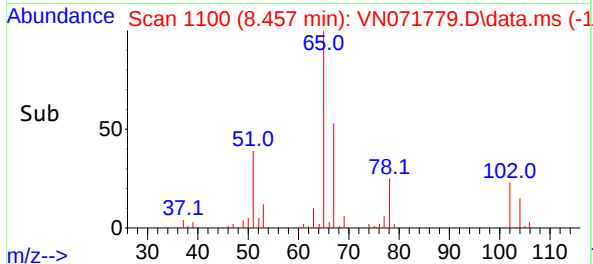
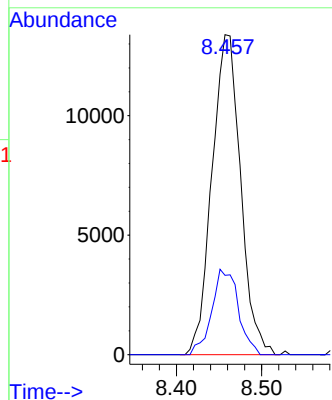
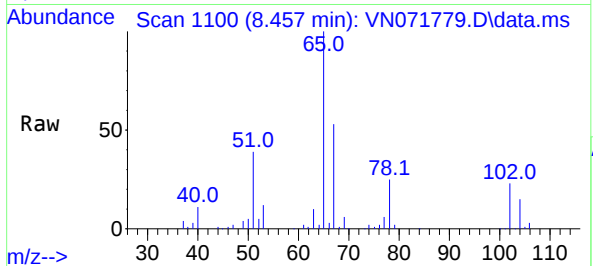




#40
Benzene
Concen: 1.165 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

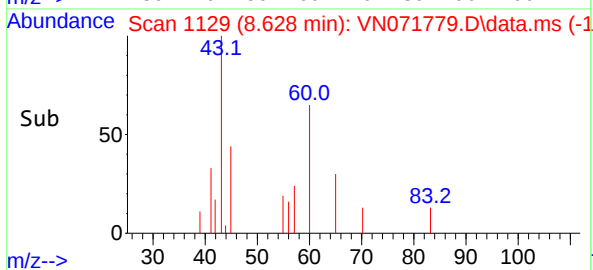
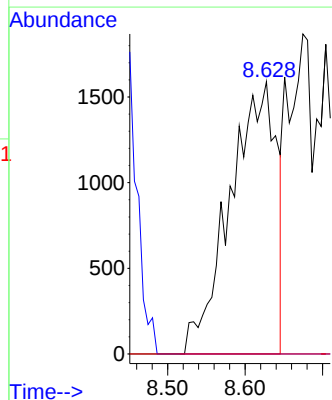
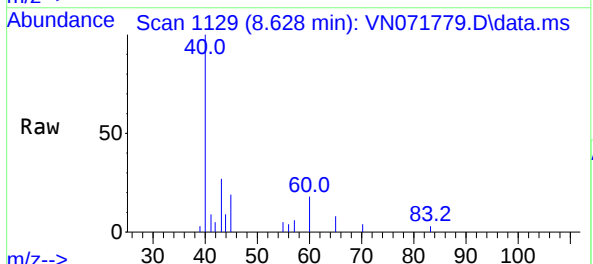
Instrument :
MSVOA_N
ClientSampleId :
MW-18

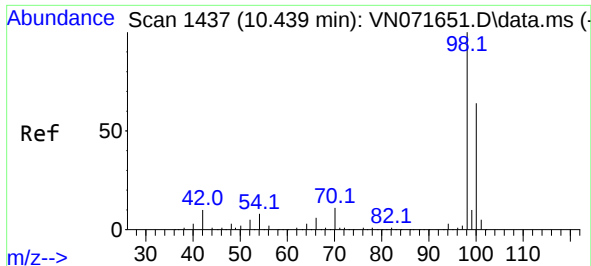
Tgt Ion: 78 Resp: 31226
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0



#43
Isopropyl Acetate
Concen: 0.428 ug/l
RT: 8.628 min Scan# 1129
Delta R.T. 0.077 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 43 Resp: 6610
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

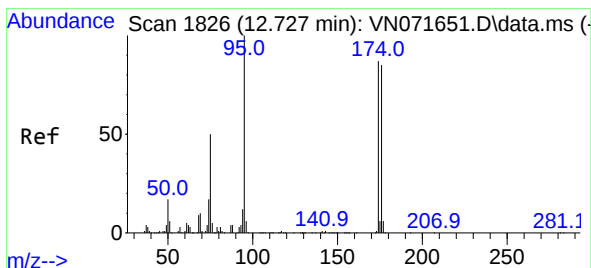
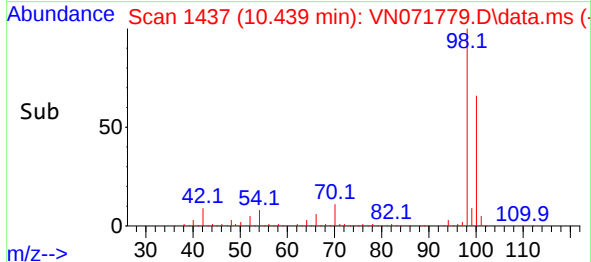
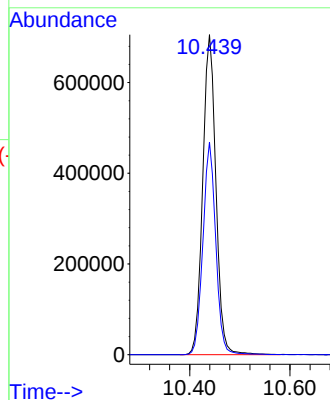
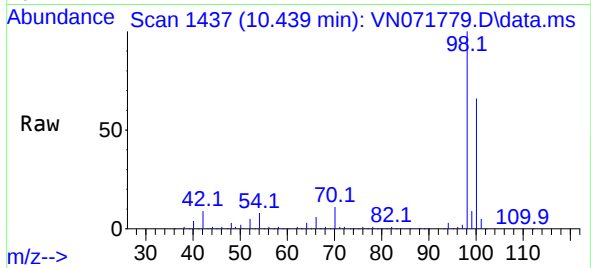




#50
Toluene-d8
Concen: 51.790 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

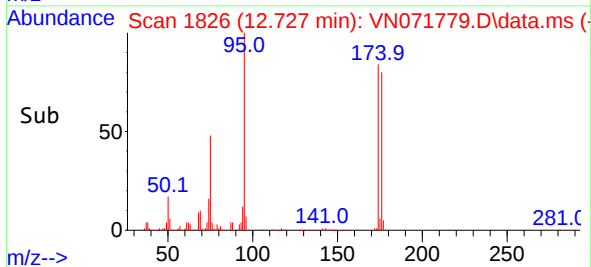
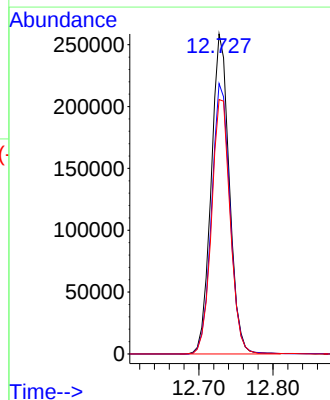
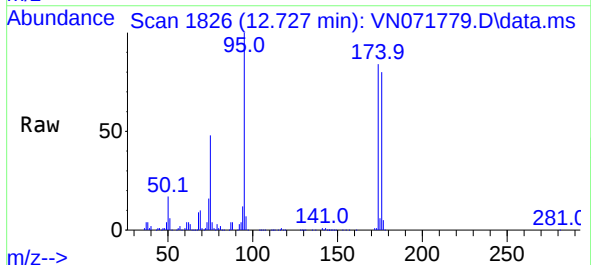
Instrument :
MSVOA_N
ClientSampleId :
MW-18

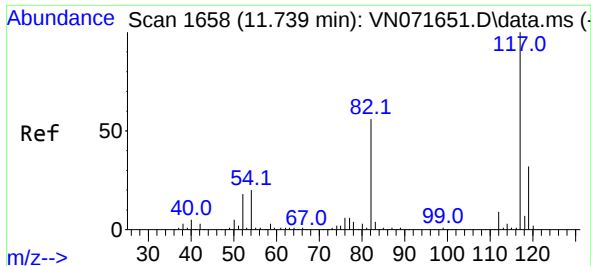
Tgt Ion: 98 Resp: 1287214
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 54.706 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 95 Resp: 439743
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 81.7 0.0 163.4

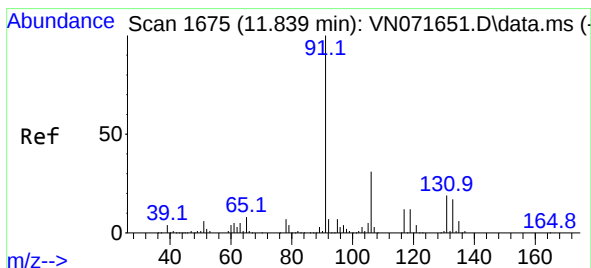
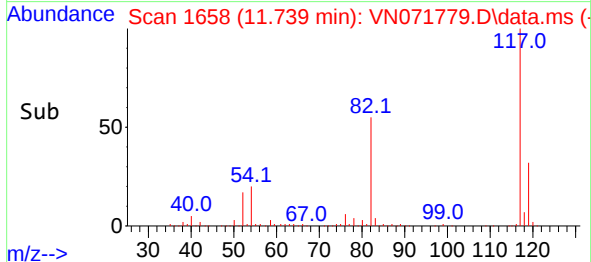
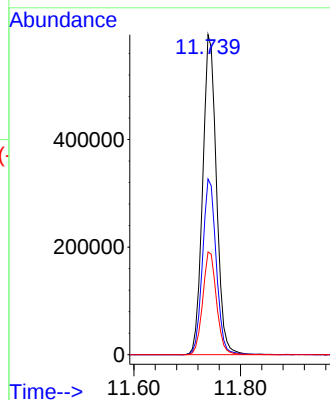
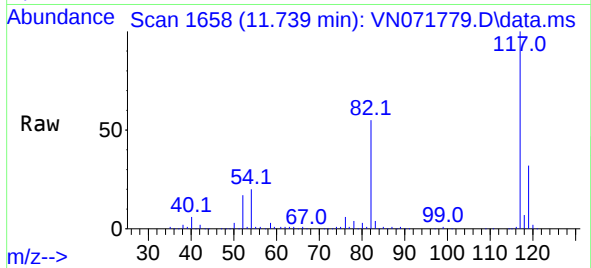




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

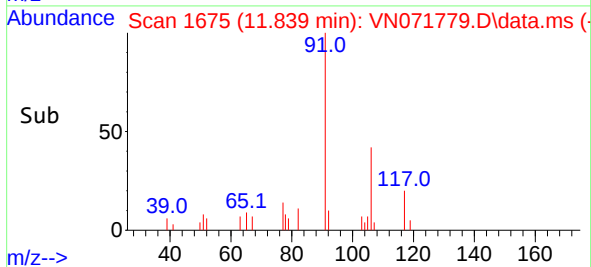
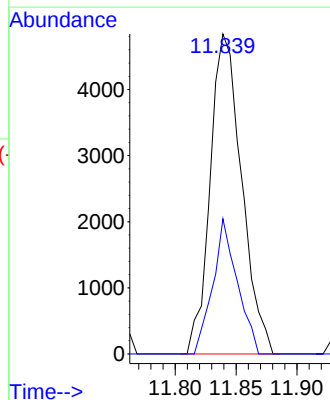
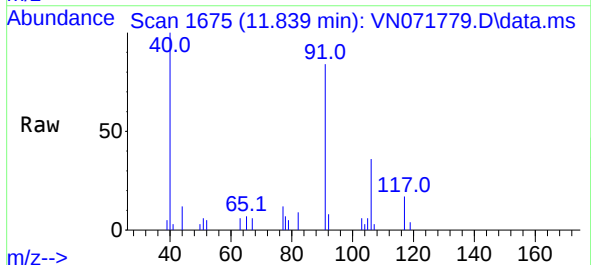
Instrument :
MSVOA_N
ClientSampleId :
MW-18

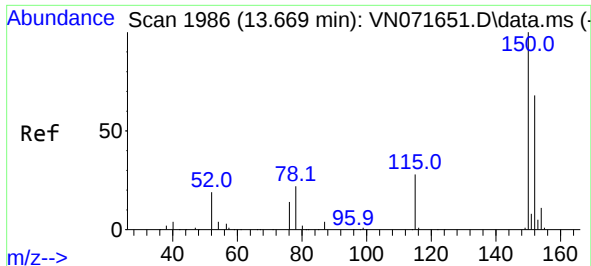
Tgt Ion:117 Resp: 1064679
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 0.241 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 91 Resp: 8695
Ion Ratio Lower Upper
91 100
106 42.3 24.9 37.3#

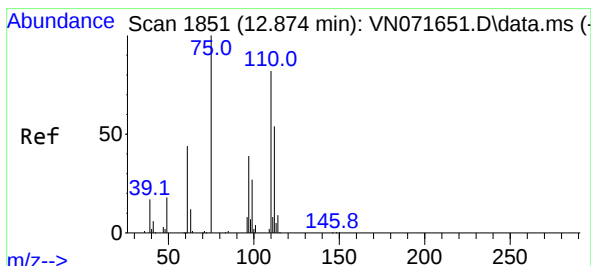
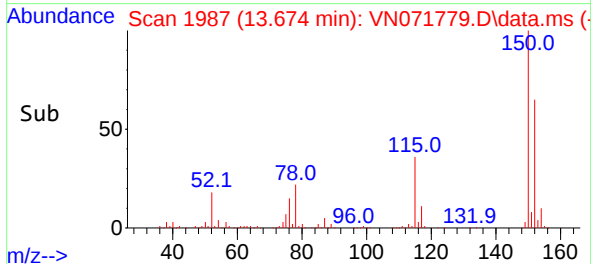
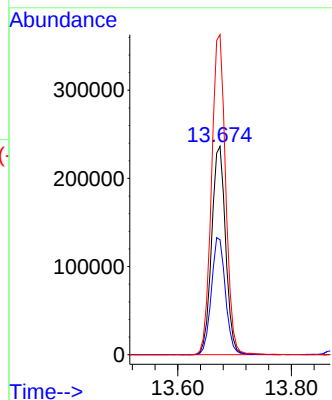
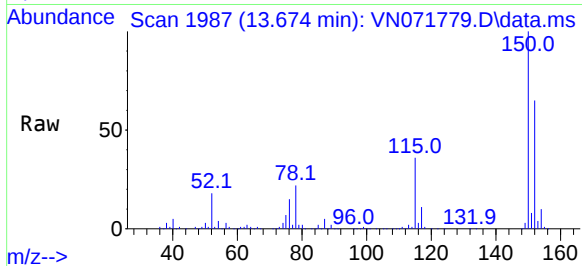




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1987
 Delta R.T. 0.005 min
 Lab File: VN071779.D
 Acq: 02 Apr 2022 02:34

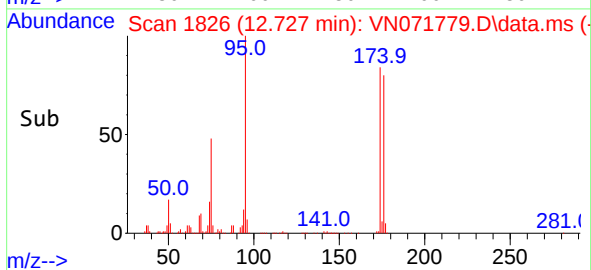
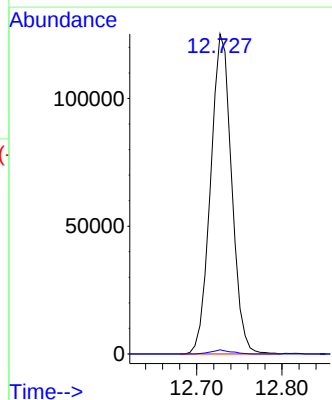
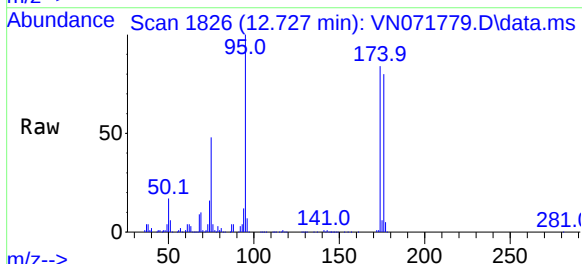
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

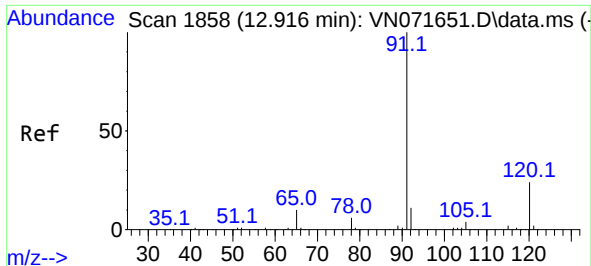
Tgt Ion:152 Resp: 402877
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 154.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.002 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN071779.D
 Acq: 02 Apr 2022 02:34

Tgt Ion: 75 Resp: 214677
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

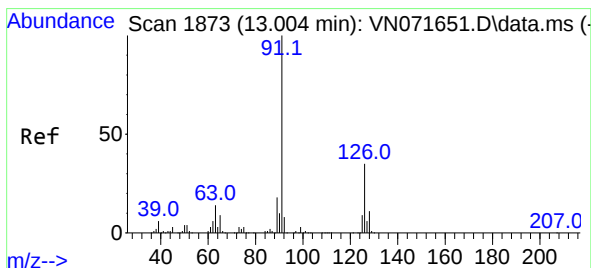
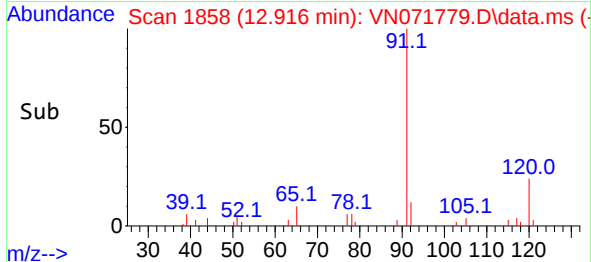
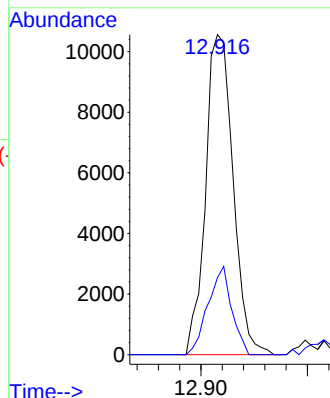
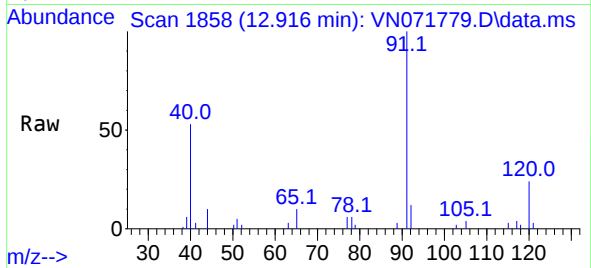




#78
n-propylbenzene
Concen: 0.530 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

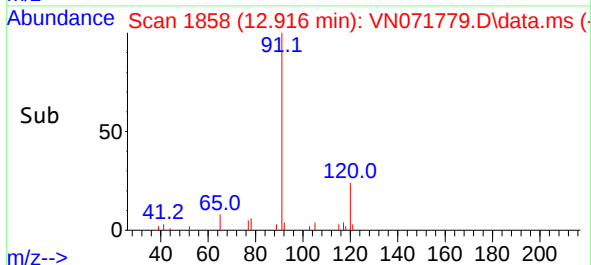
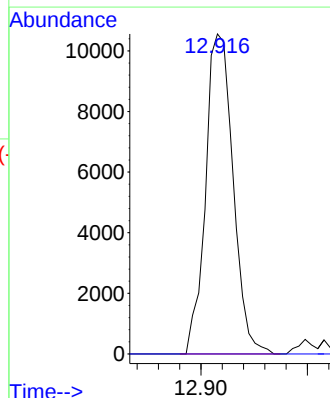
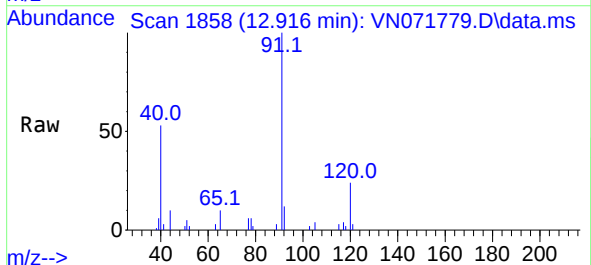
Instrument :
MSVOA_N
ClientSampleId :
MW-18

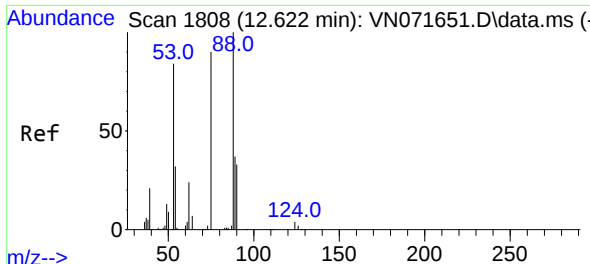
Tgt Ion: 91 Resp: 18929
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.088 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 91 Resp: 18929
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

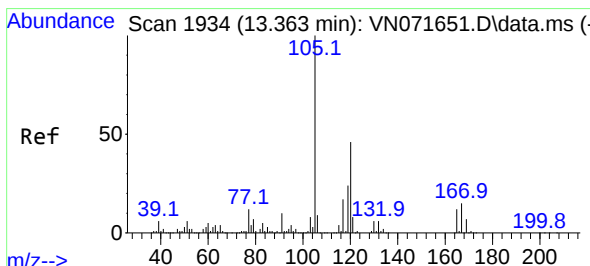
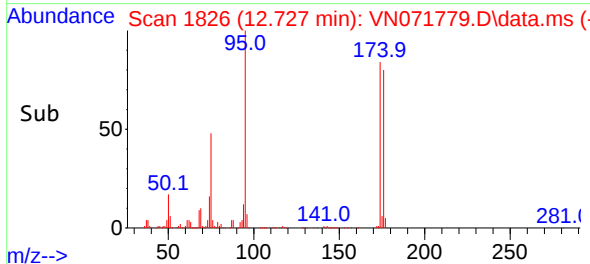
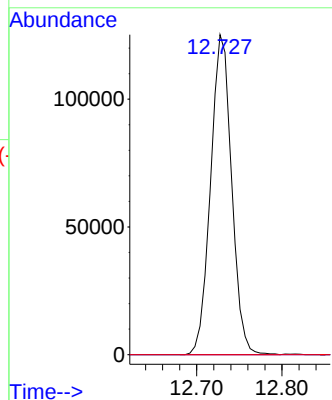
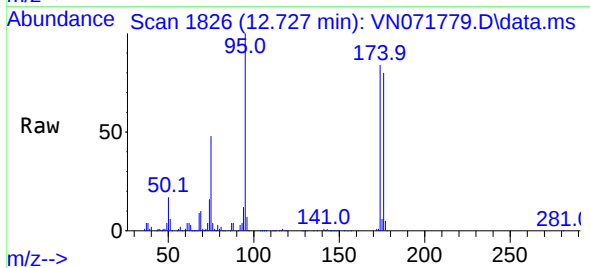




#81
trans-1,4-Dichloro-2-butene
Concen: 71.283 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

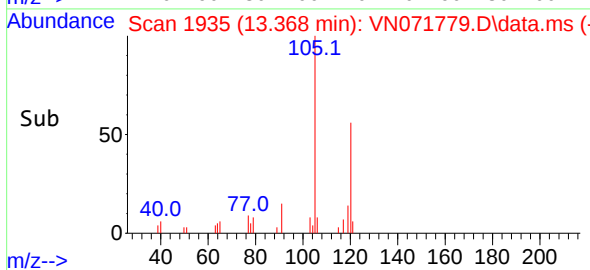
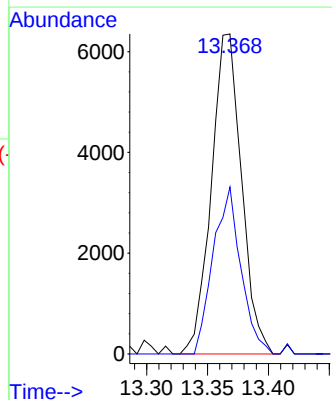
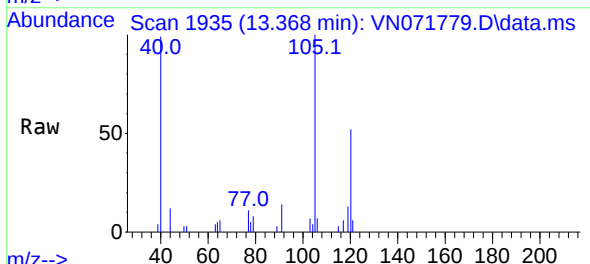
Instrument :
MSVOA_N
ClientSampleId :
MW-18

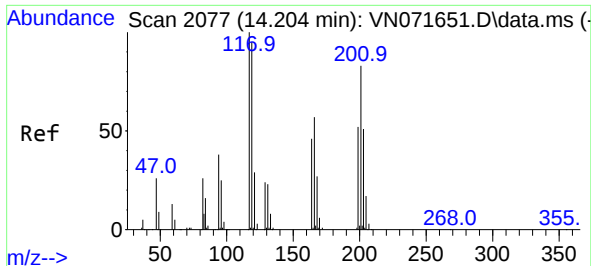
Tgt Ion: 75 Resp: 214677
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.418 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion: 105 Resp: 10976
Ion Ratio Lower Upper
105 100
120 47.8 23.3 69.8

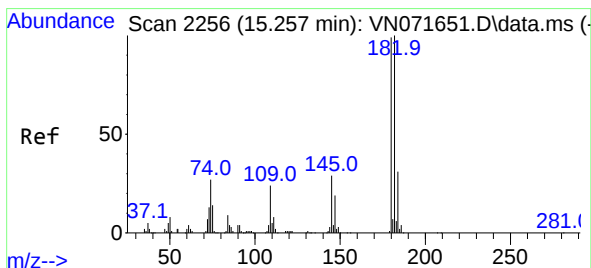
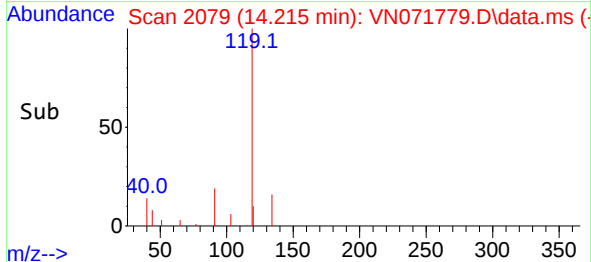
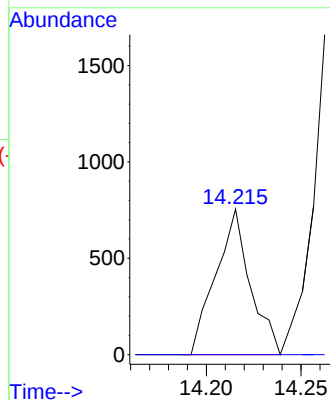
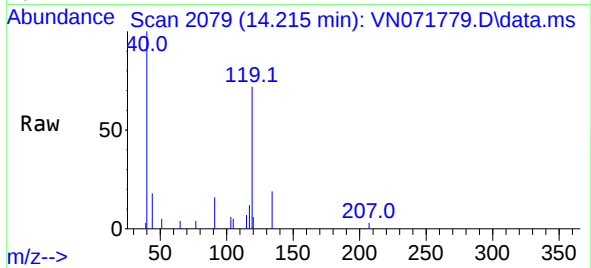




#90
Hexachloroethane
Concen: 0.206 ug/l
RT: 14.215 min Scan# 2077
Delta R.T. 0.011 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

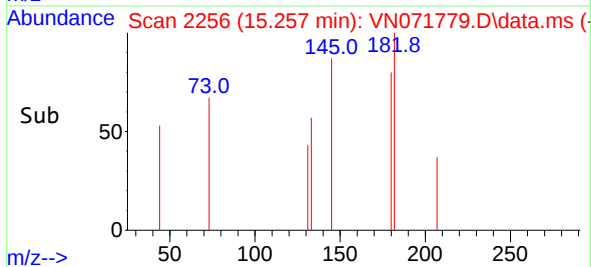
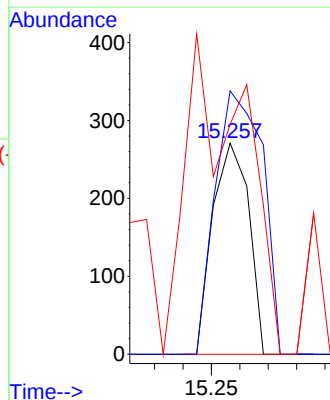
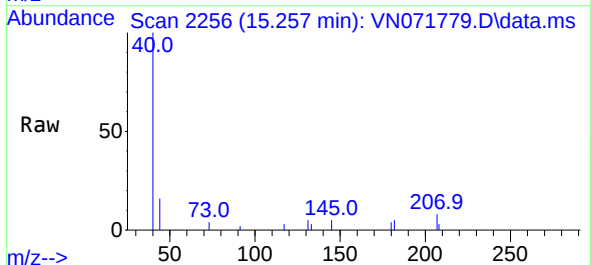
Instrument :
MSVOA_N
ClientSampleId :
MW-18

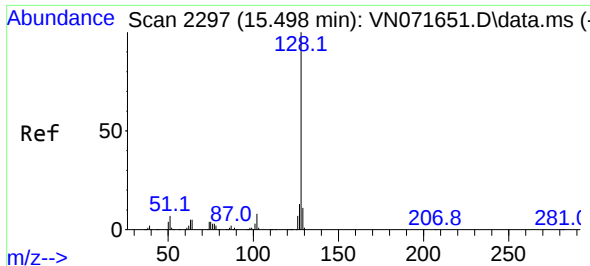
Tgt Ion:117 Resp: 958
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.122 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion:180 Resp: 239
Ion Ratio Lower Upper
180 100
182 164.4 47.5 142.5#
145 243.5 14.5 43.5#

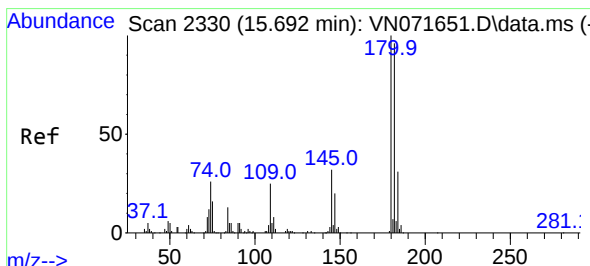
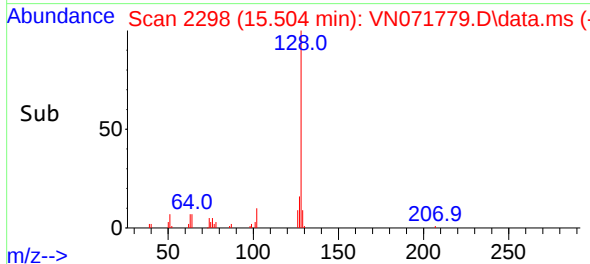
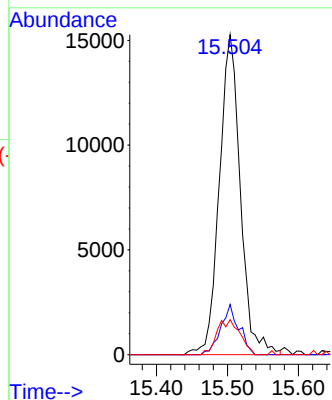
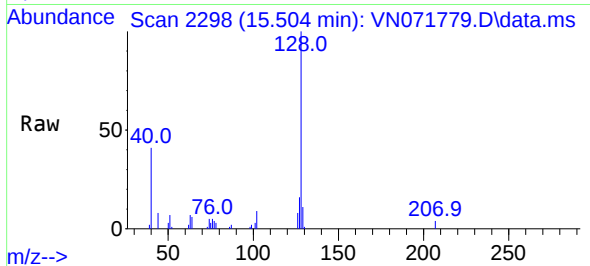




#95
Naphthalene
Concen: 5.384 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Instrument :
MSVOA_N
ClientSampleId :
MW-18

Tgt Ion:	128	Resp:	31389
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	12.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.468 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071779.D
Acq: 02 Apr 2022 02:34

Tgt Ion:	180	Resp:	352
Ion	Ratio	Lower	Upper
180	100		
182	68.5	47.8	143.3
145	0.0	15.5	46.5#

