

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074679.D
 Acq On : 30 Sep 2022 20:06
 Operator : JC\MD
 Sample : N4860-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-03

Quant Time: Oct 03 02:08:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

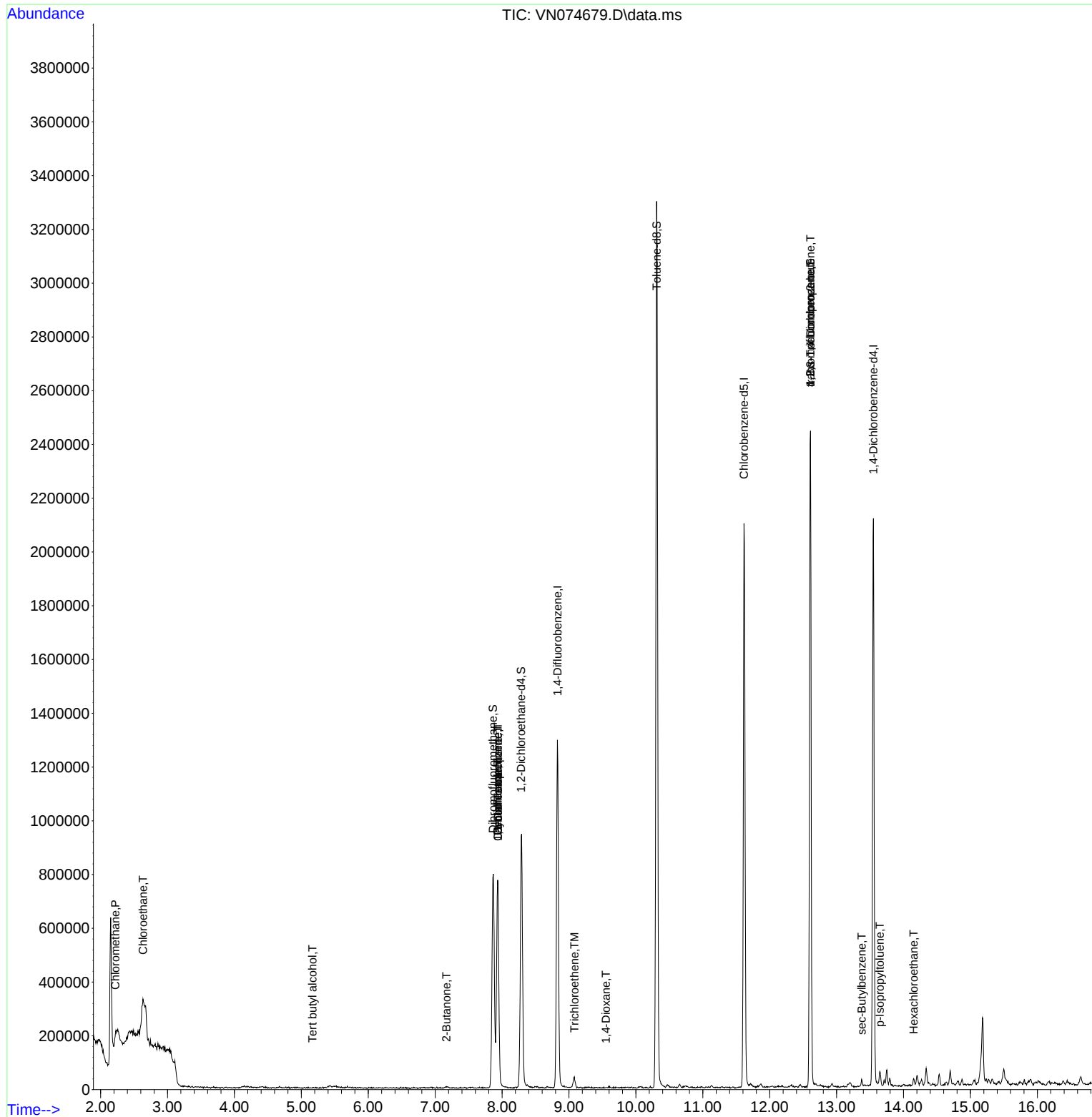
Internal Standards						
1) Pentafluorobenzene	7.933	168	561570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1088722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1102703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	515797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	704541	50.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.120%			
35) Dibromofluoromethane	7.863	113	573438	49.762	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	10.310	98	2171856	44.806	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.620%			
62) 4-Bromofluorobenzene	12.610	95	734400	47.782	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.560%			
Target Compounds					Qvalue	
3) Chloromethane	2.222	50	3565	0.207	ug/l #	74
6) Chloroethane	2.634	64	54424	2.836	ug/l #	44
8) Diethyl Ether	3.640	74	89	Below Cal	#	7
11) Tert butyl alcohol	5.169	59	2089	0.556	ug/l #	94
13) Acrolein	3.875	56	98	Below Cal	#	1
16) Acetone	4.128	43	606	Below Cal	#	86
20) Methylene Chloride	4.893	84	254	Below Cal	#	56
25) 2-Butanone	7.169	43	7703	0.595	ug/l	92
31) Cyclohexane	7.933	56	17578	0.769	ug/l #	56
36) 1,1-Dichloropropene	7.939	75	51249	2.777	ug/l #	49
38) Carbon Tetrachloride	7.939	117	59591	3.525	ug/l #	16
44) Trichloroethene	9.080	130	11239	0.948	ug/l	79
49) 1,4-Dioxane	9.551	88	142	0.414	ug/l #	1
74) N-amyl acetate	12.280	43	646	Below Cal	#	34
75) 1,1,2,2-Tetrachloroethane	12.716	83	101	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.610	75	441562	37.698	ug/l #	1
77) Bromobenzene	12.610	156	600	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.610	75	441562	71.540	ug/l #	10
85) sec-Butylbenzene	13.374	105	11513	0.238	ug/l	98
86) p-Isopropyltoluene	13.645	119	28565	0.745	ug/l	99
90) Hexachloroethane	14.151	117	8944	1.084	ug/l #	9

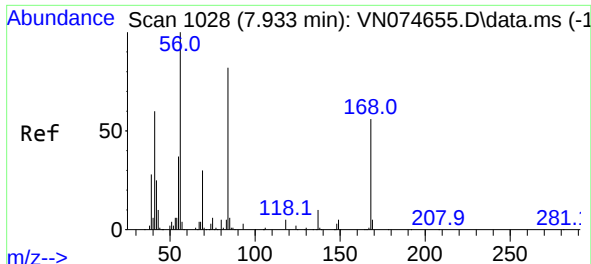
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
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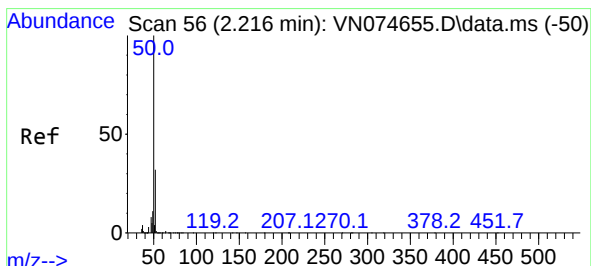
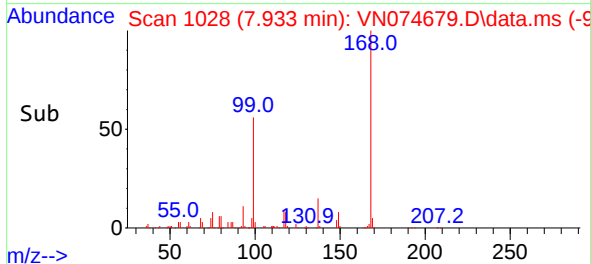
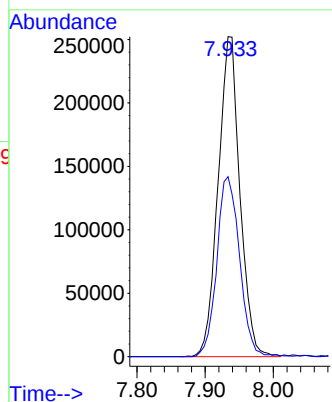
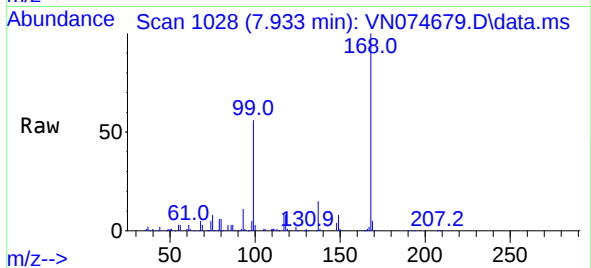




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

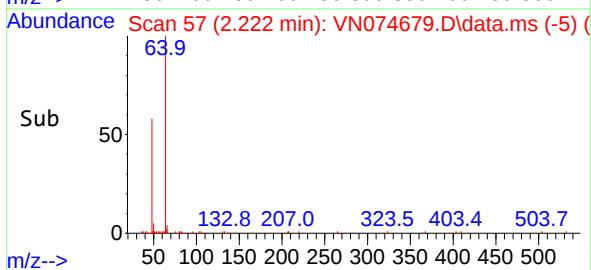
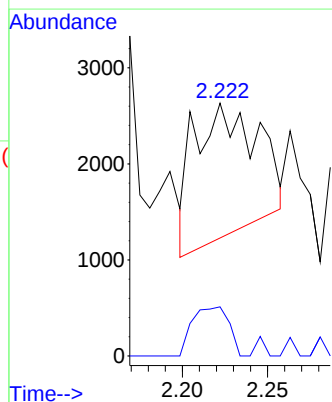
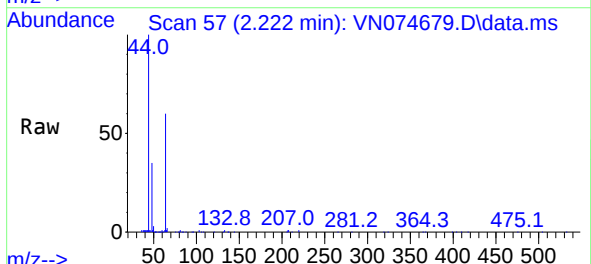
Instrument :
MSVOA_N
ClientSampleId :
MW-03

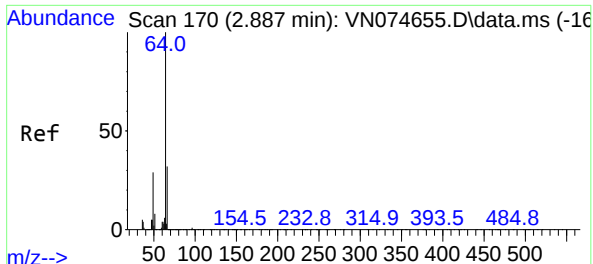
Tgt Ion:168 Resp: 561570
Ion Ratio Lower Upper
168 100
99 56.2 42.3 63.5



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 50 Resp: 3565
Ion Ratio Lower Upper
50 100
52 46.5 25.7 38.5#

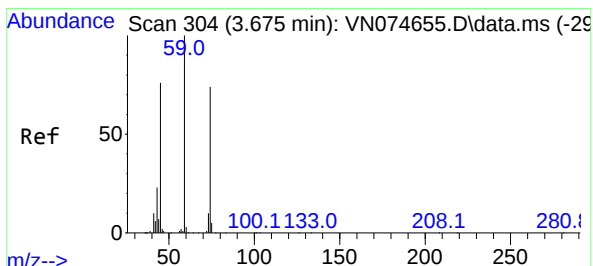
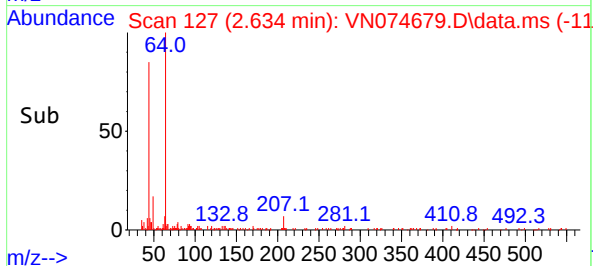
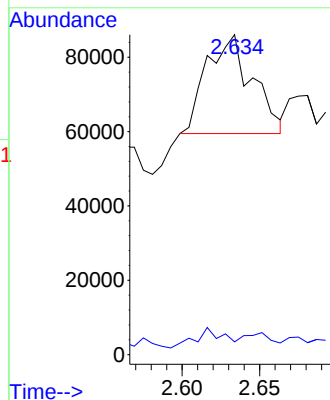
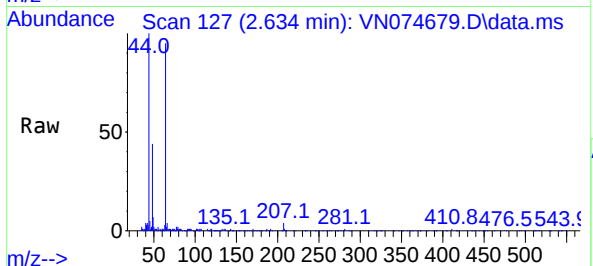




#6
Chloroethane
Concen: 2.836 ug/l
RT: 2.634 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

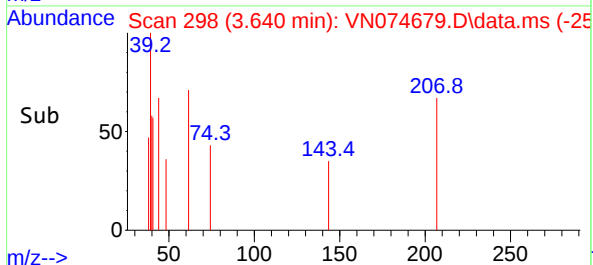
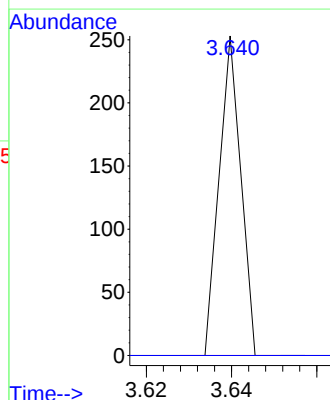
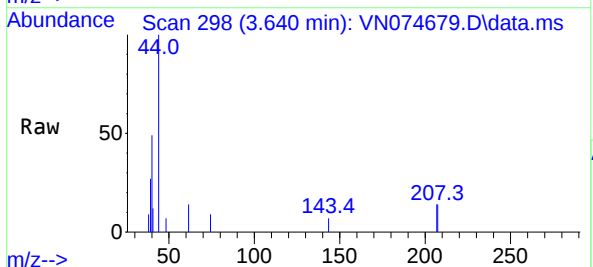
Instrument :
MSVOA_N
ClientSampleId :
MW-03

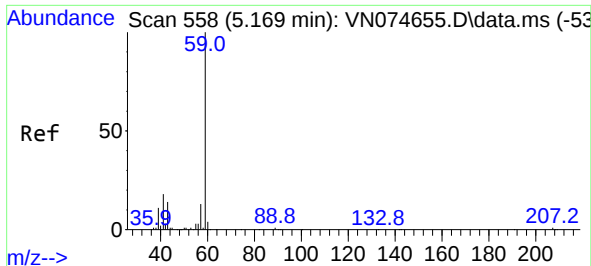
Tgt Ion: 64 Resp: 54424
Ion Ratio Lower Upper
64 100
66 1.3 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.640 min Scan# 298
Delta R.T. -0.035 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 74 Resp: 89
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#

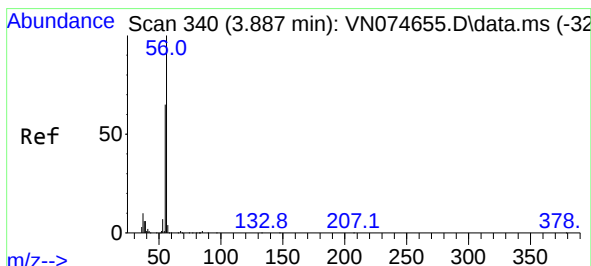
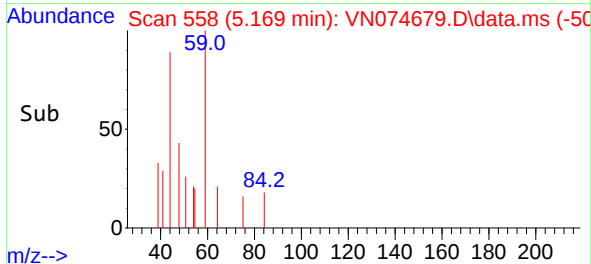
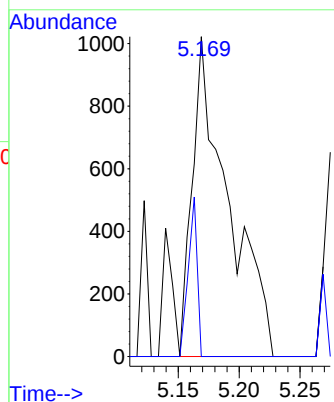
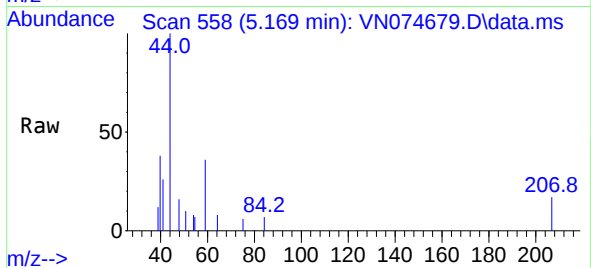




#11
Tert butyl alcohol
Concen: 0.556 ug/l
RT: 5.169 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

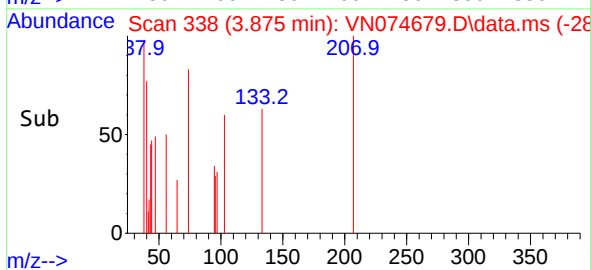
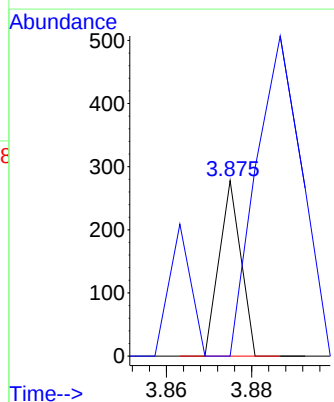
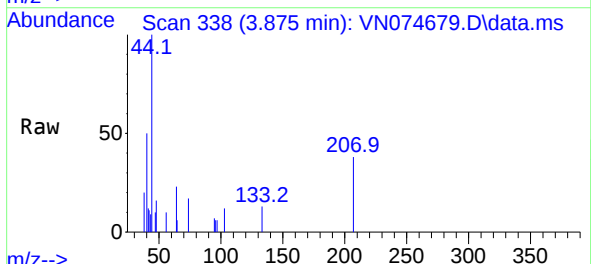
Instrument :
MSVOA_N
ClientSampleId :
MW-03

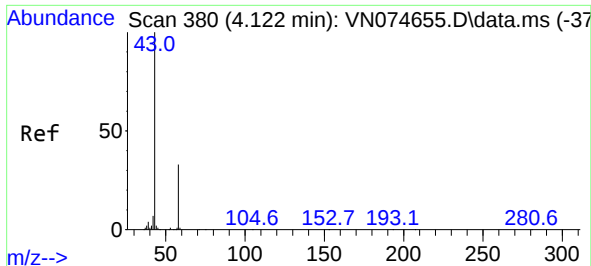
Tgt Ion: 59 Resp: 2089
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 338
Delta R.T. -0.012 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 385.7 54.8 82.2#

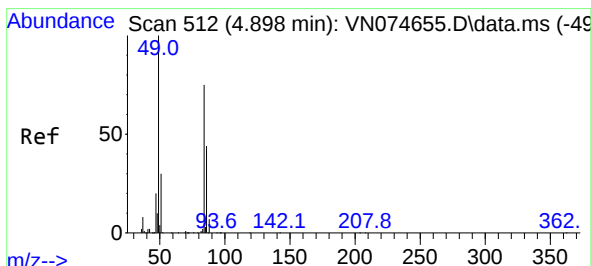
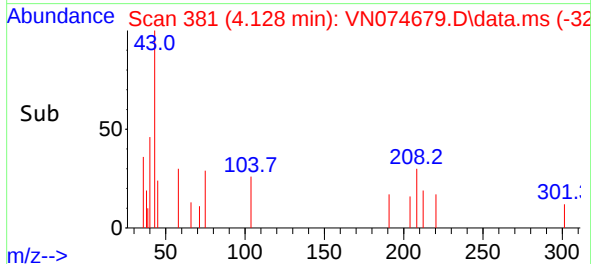
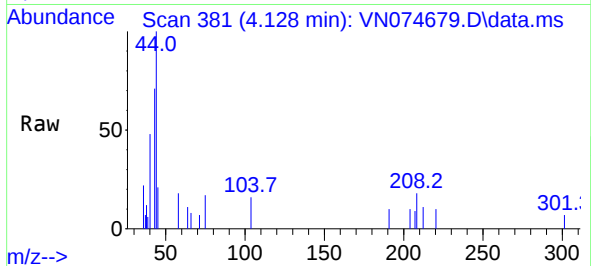




#16
Acetone
Concen: Below Cal
RT: 4.128 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

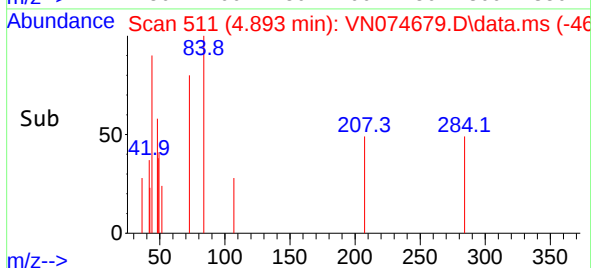
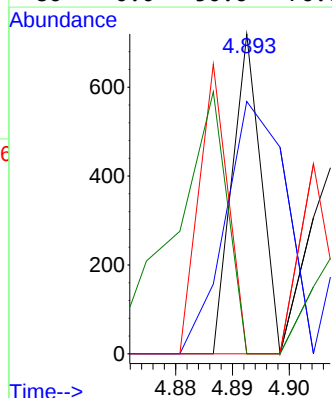
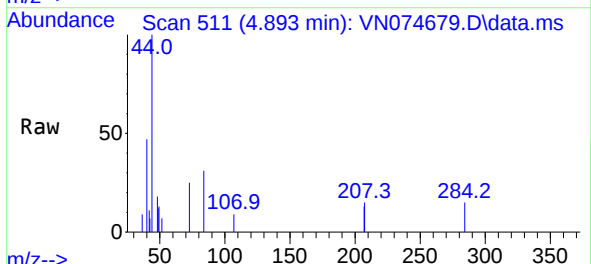
Instrument :
MSVOA_N
ClientSampleId :
MW-03

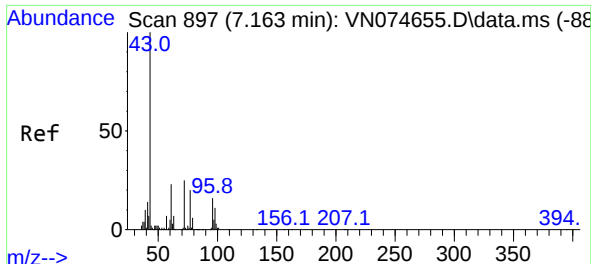
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 40.5 26.0 39.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.893 min Scan# 511
Delta R.T. -0.005 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 84 Resp: 254
Ion Ratio Lower Upper
84 100
49 78.9 88.3 132.5#
51 24.2 28.2 42.2#
86 0.0 50.6 76.0#

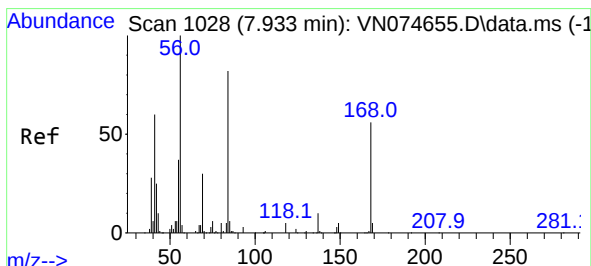
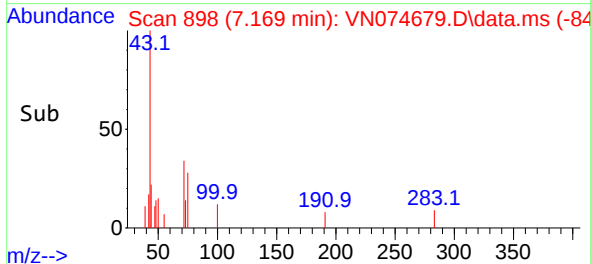
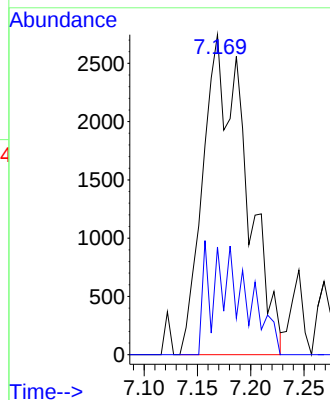
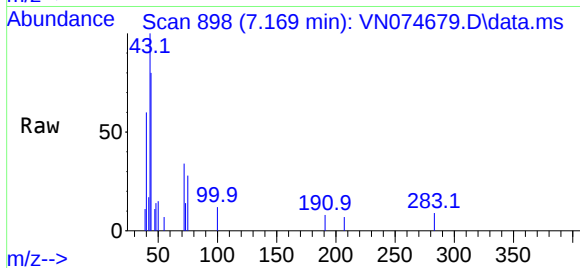




#25
2-Butanone
Concen: 0.595 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

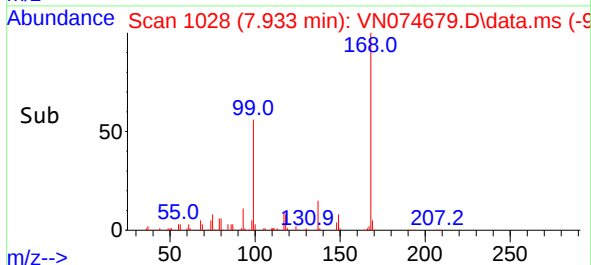
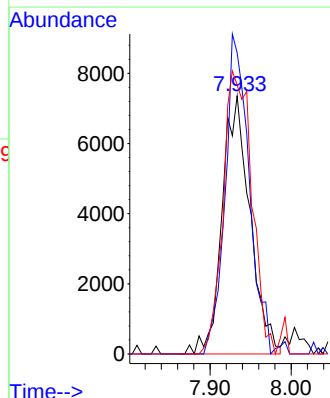
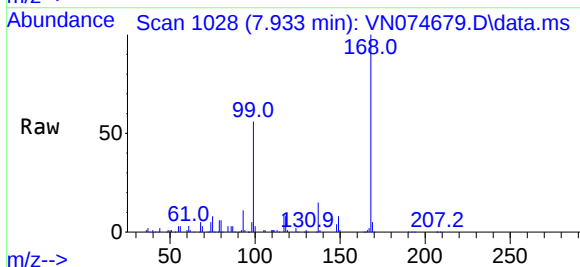
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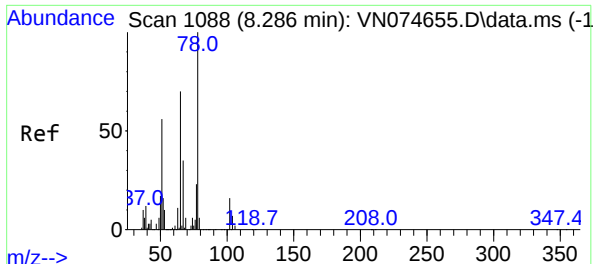
Tgt Ion: 43 Resp: 7703
Ion Ratio Lower Upper
43 100
72 33.6 23.7 35.5



#31
Cyclohexane
Concen: 0.769 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 56 Resp: 17578
Ion Ratio Lower Upper
56 100
69 116.7 27.8 41.8#
84 104.1 76.9 115.3

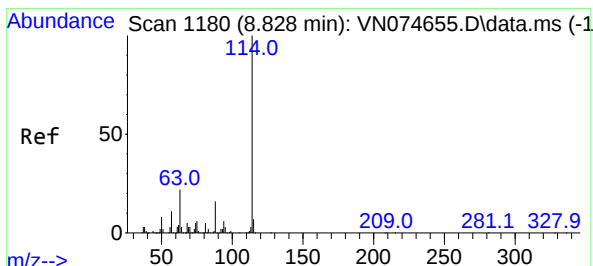
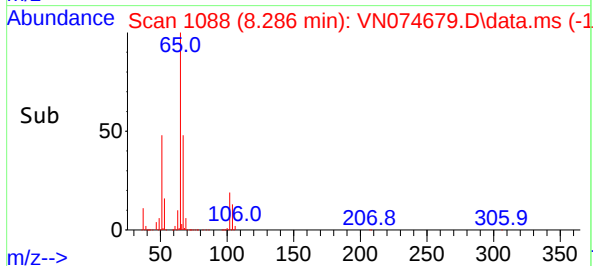
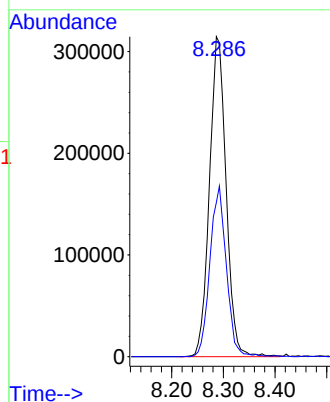
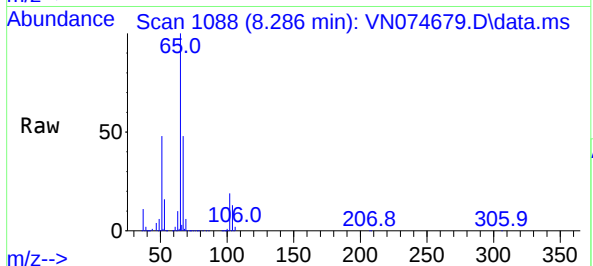




#33
1,2-Dichloroethane-d4
Concen: 50.059 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

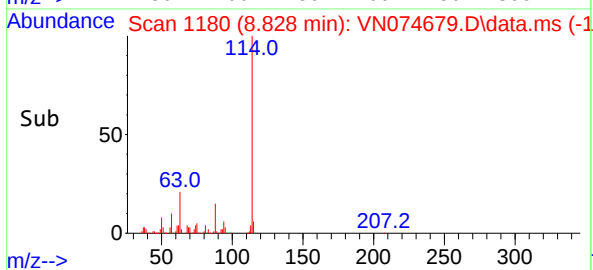
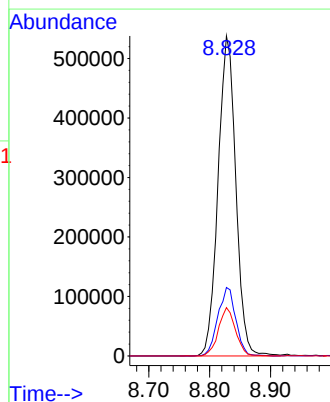
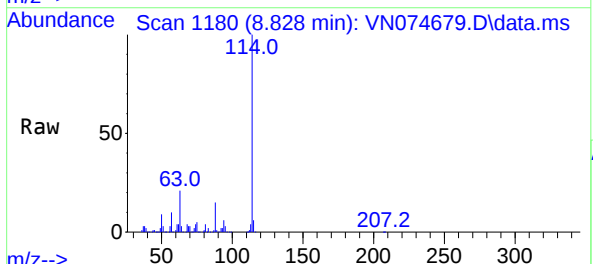
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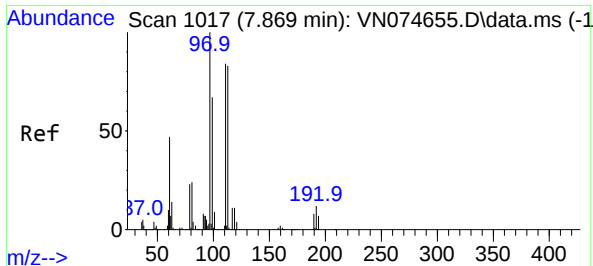
Tgt Ion: 65 Resp: 704541
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion:114 Resp: 1088722
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.762 ug/l

RT: 7.863 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VN074679.D

Acq: 30 Sep 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MW-03

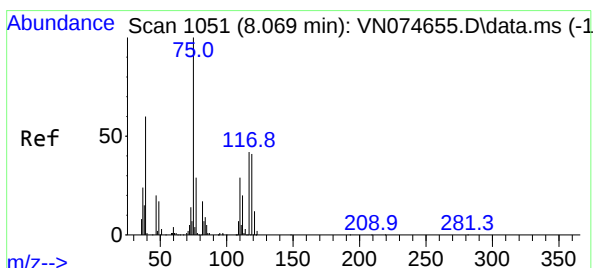
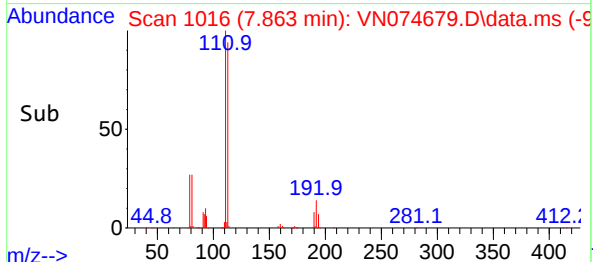
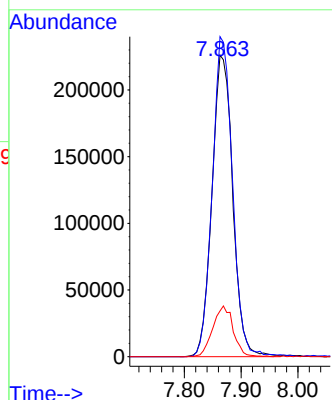
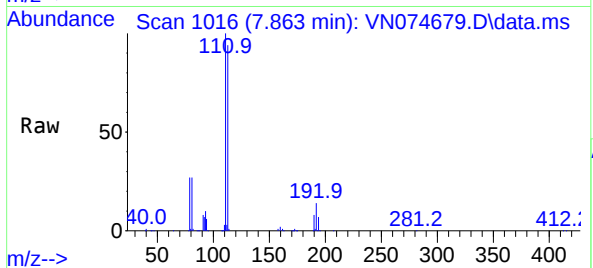
Tgt Ion:113 Resp: 573438

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 16.6 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 2.777 ug/l

RT: 7.939 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VN074679.D

Acq: 30 Sep 2022 20:06

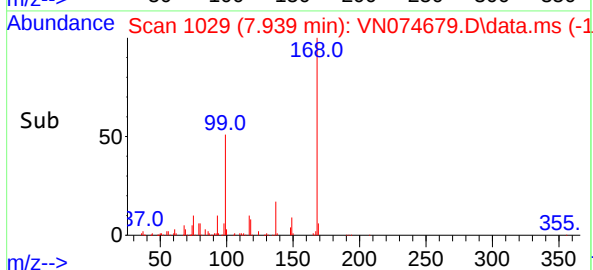
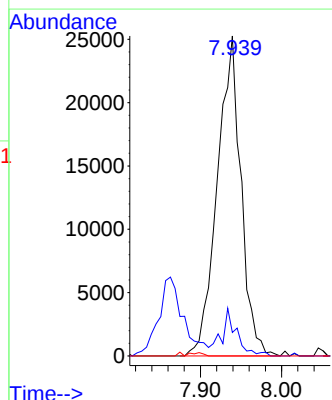
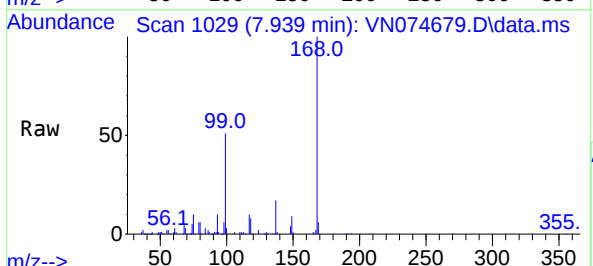
Tgt Ion: 75 Resp: 51249

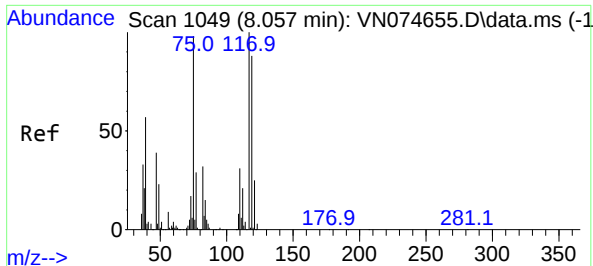
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#

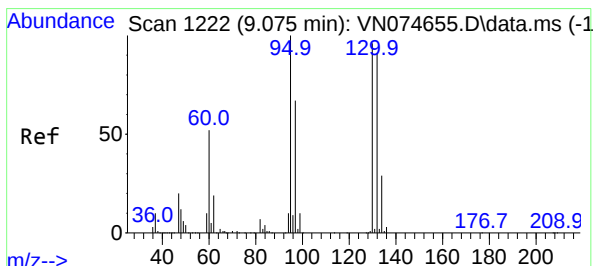
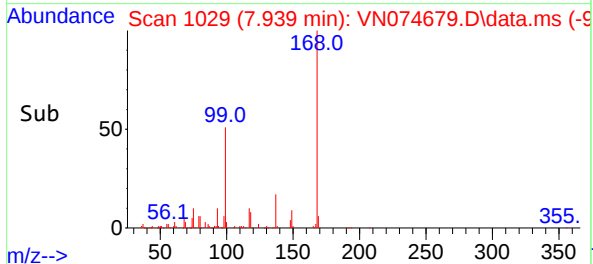
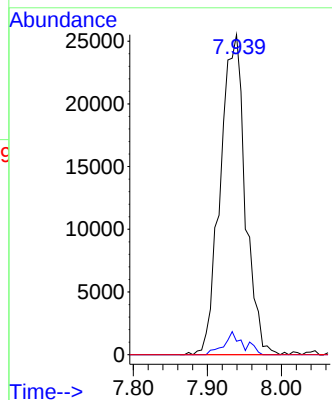
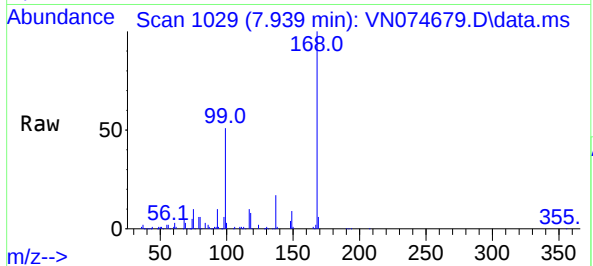




#38
Carbon Tetrachloride
Concen: 3.525 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

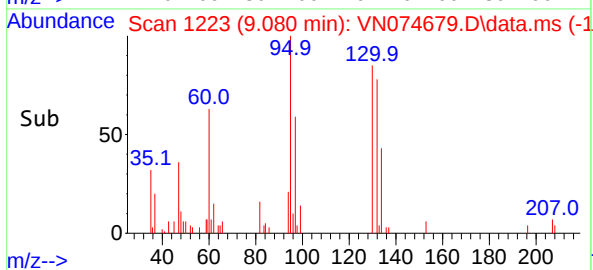
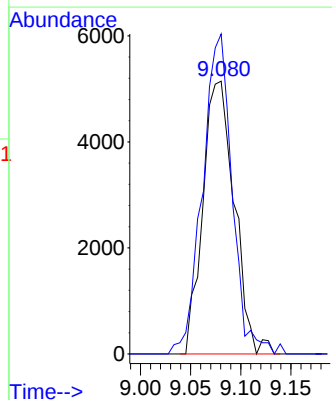
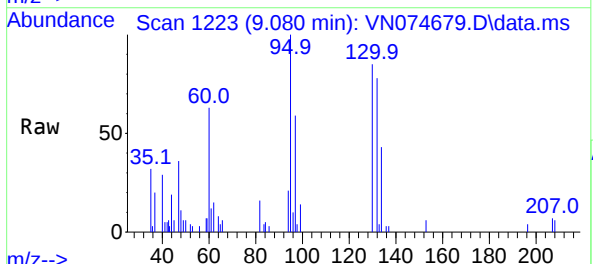
Instrument :
MSVOA_N
ClientSampleId :
MW-03

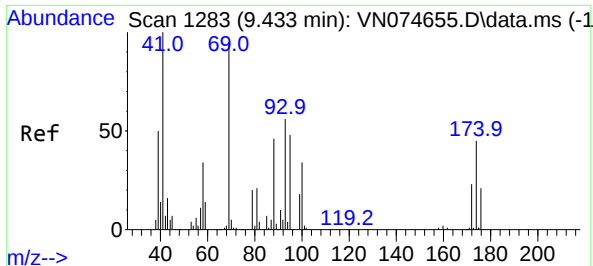
Tgt Ion:117 Resp: 59591
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 0.948 ug/l
RT: 9.080 min Scan# 1223
Delta R.T. 0.005 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion:130 Resp: 11239
Ion Ratio Lower Upper
130 100
95 113.6 0.0 186.8

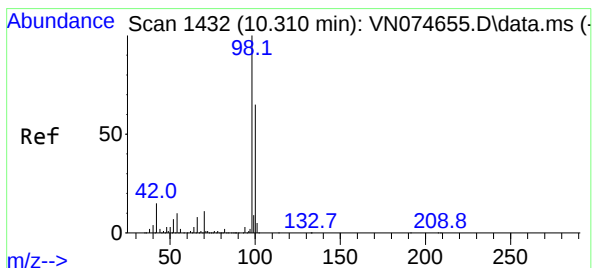
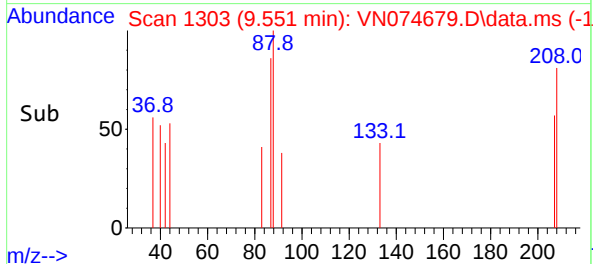
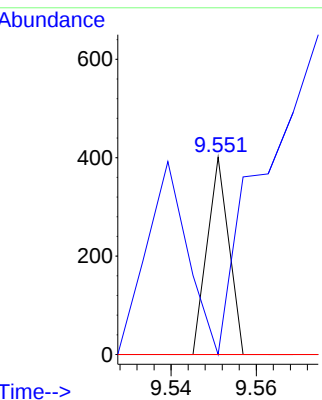
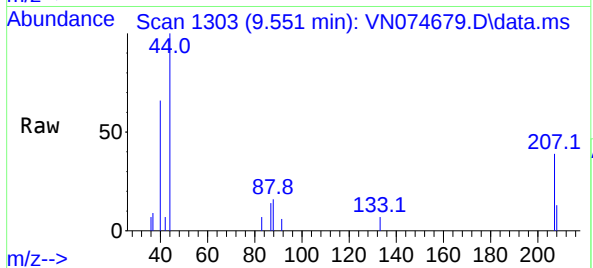




#49
1,4-Dioxane
Concen: 0.414 ug/l
RT: 9.551 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

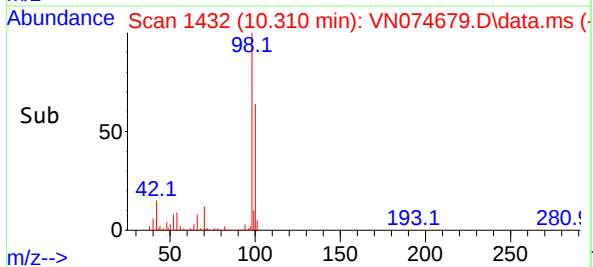
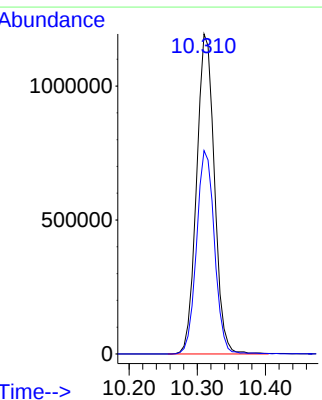
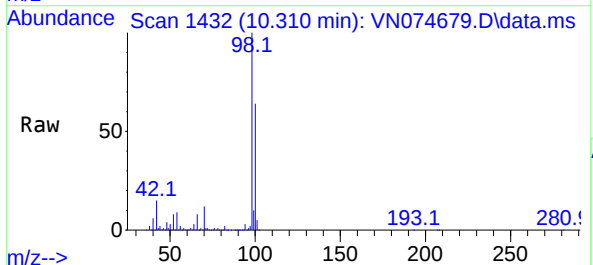
Instrument :
MSVOA_N
ClientSampleId :
MW-03

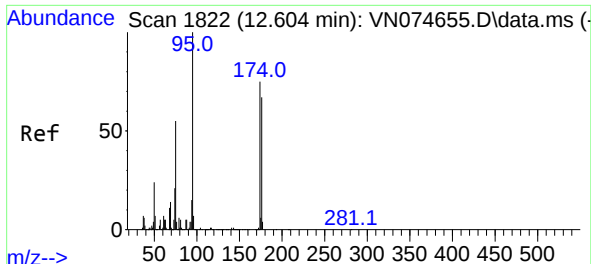
Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 137.3 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 44.806 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 98 Resp: 2171856
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8

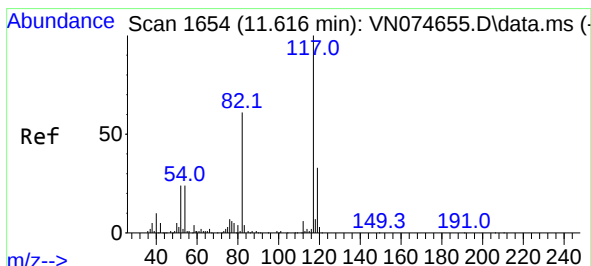
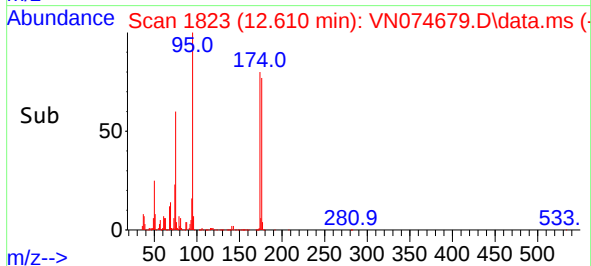
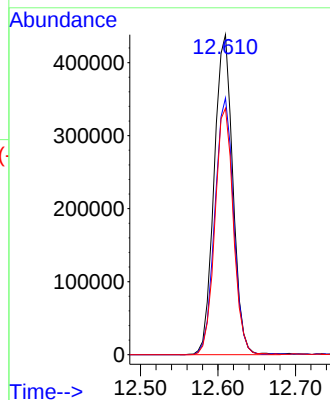
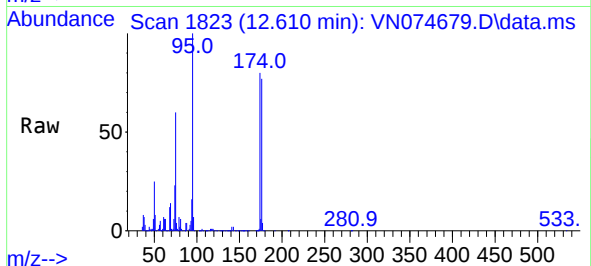




#62
4-Bromofluorobenzene
Concen: 47.782 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

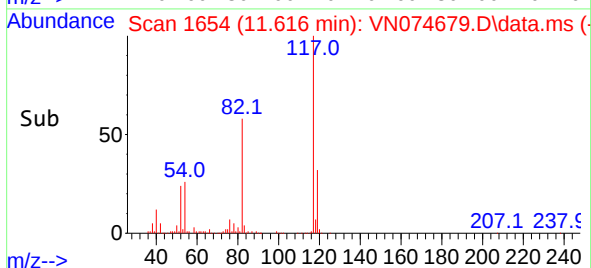
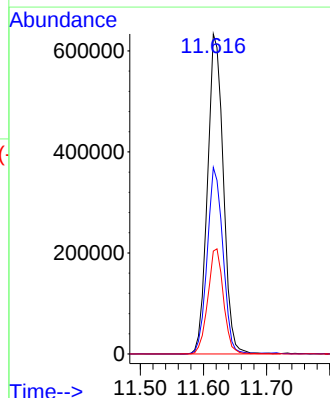
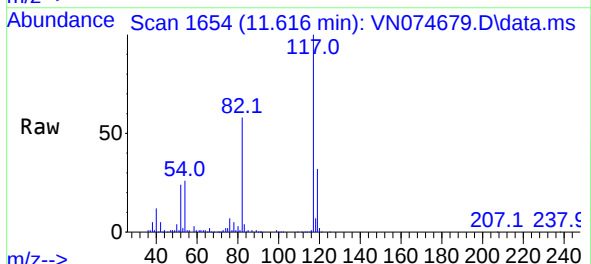
Instrument :
MSVOA_N
ClientSampleId :
MW-03

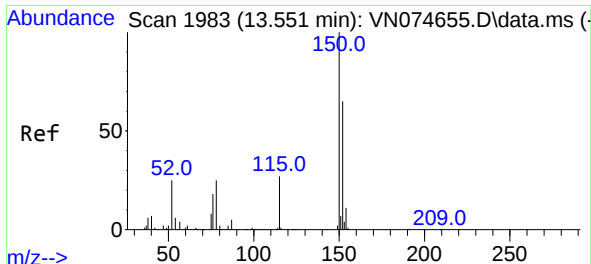
Tgt Ion: 95 Resp: 734400
Ion Ratio Lower Upper
95 100
174 80.1 0.0 167.6
176 75.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 117 Resp: 1102703
Ion Ratio Lower Upper
117 100
82 58.3 44.2 66.2
119 32.2 25.4 38.0

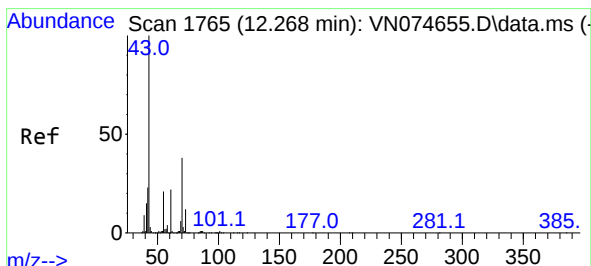
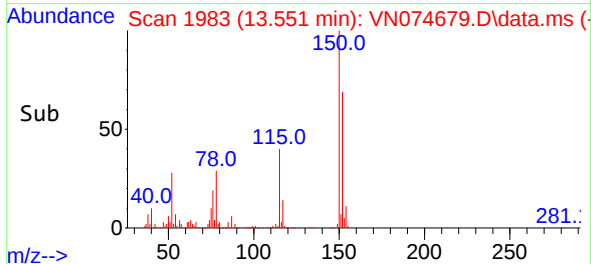
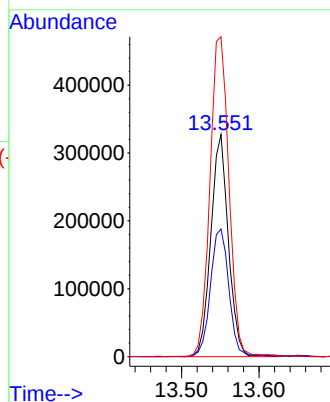
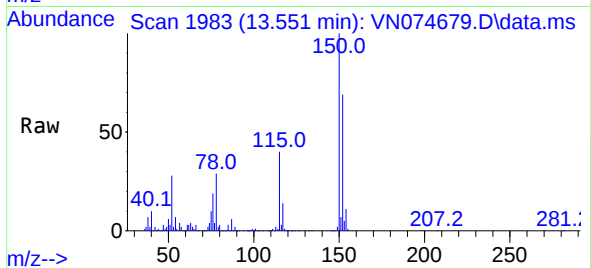




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

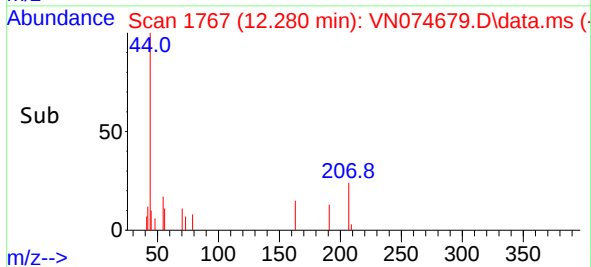
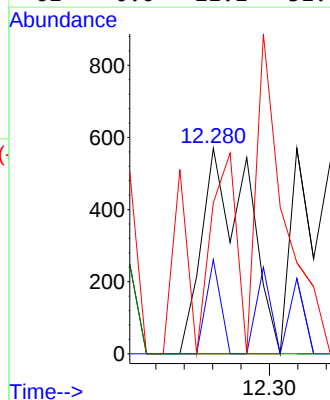
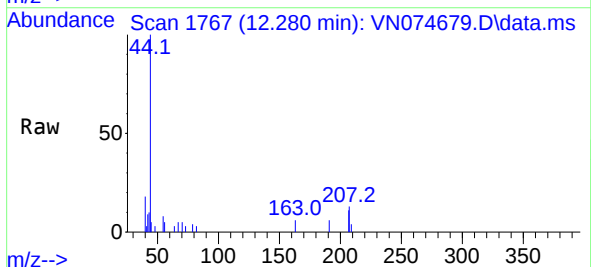
Instrument :
MSVOA_N
ClientSampleId :
MW-03

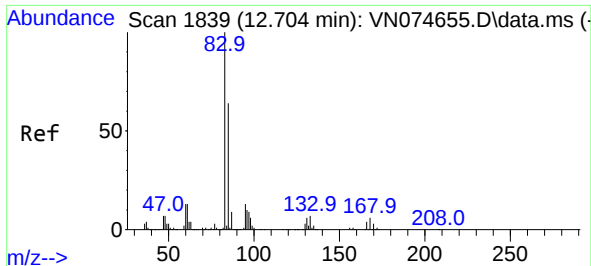
Tgt Ion:152 Resp: 515797
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 155.9 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.280 min Scan# 1767
Delta R.T. 0.012 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
70 14.2 39.0 58.4#
55 81.3 21.1 31.7#
61 0.0 21.1 31.7#

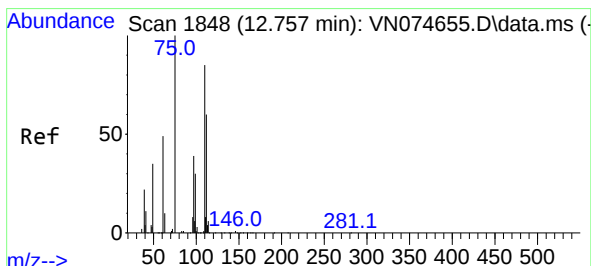
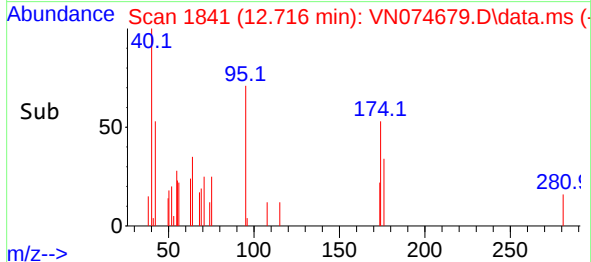
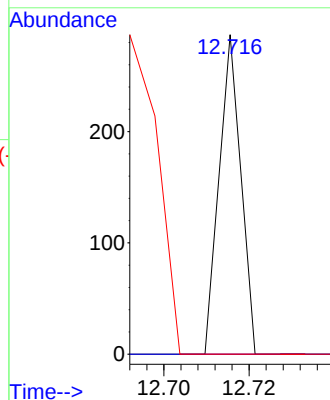
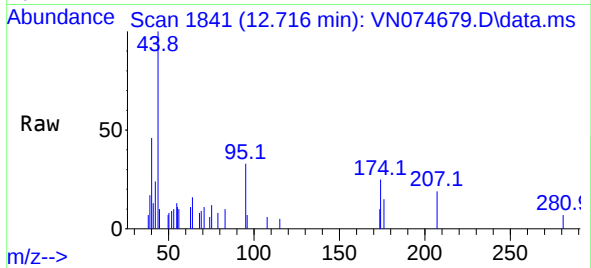




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.716 min Scan# 1841
Delta R.T. 0.012 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

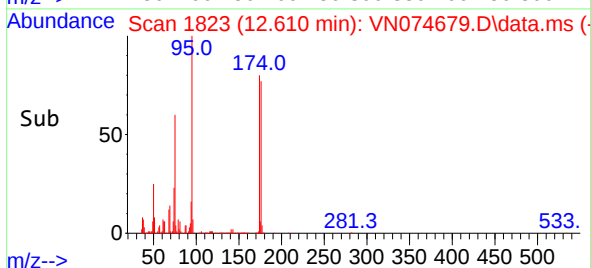
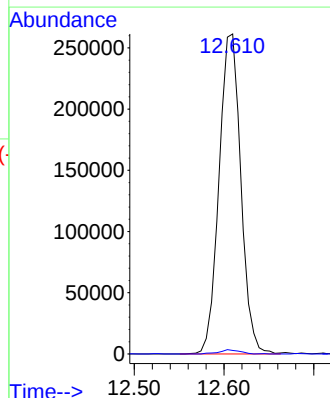
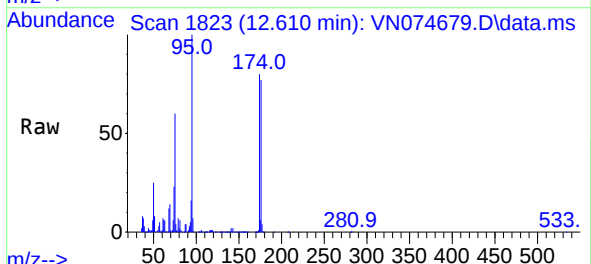
Instrument :
MSVOA_N
ClientSampleId :
MW-03

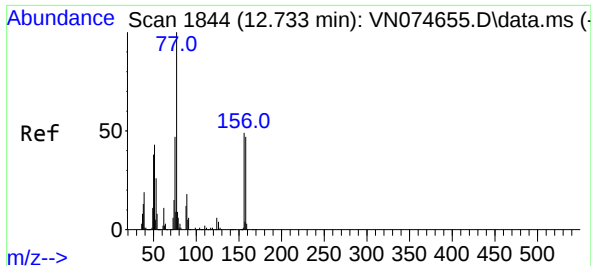
Tgt Ion: 83 Resp: 101
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 37.698 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. -0.147 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 75 Resp: 441562
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

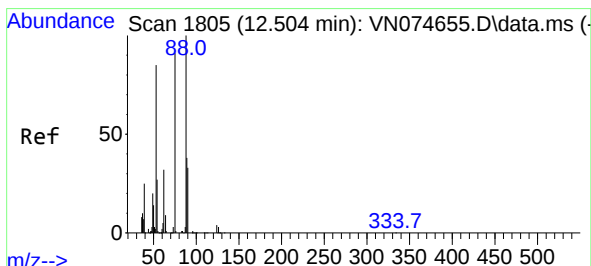
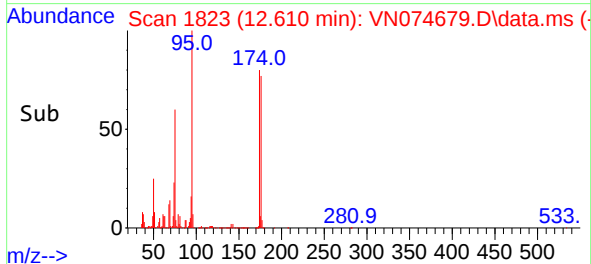
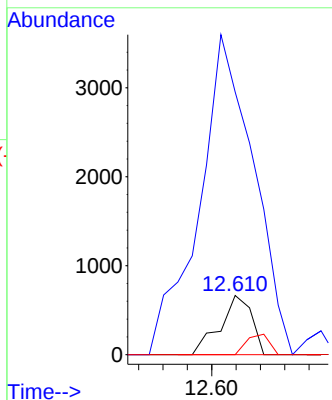
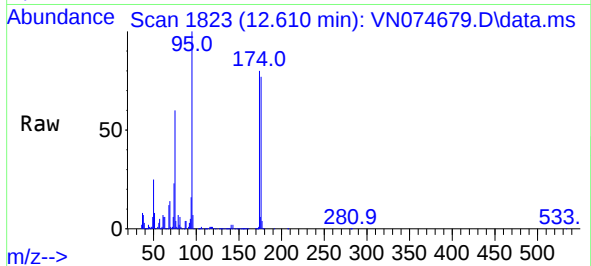




#77
Bromobenzene
Concen: Below Cal
RT: 12.610 min Scan# 1823
Delta R.T. -0.123 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

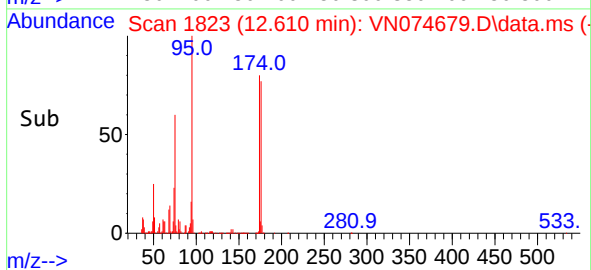
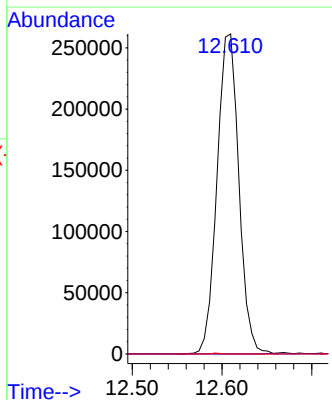
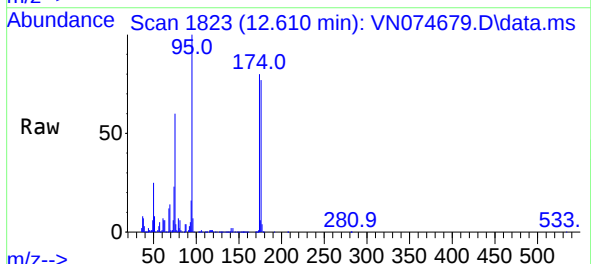
Instrument :
MSVOA_N
ClientSampleId :
MW-03

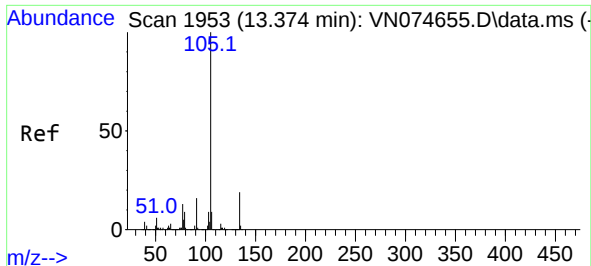
Tgt Ion:156 Resp: 600
Ion Ratio Lower Upper
156 100
77 942.3 100.5 301.5#
158 24.8 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.540 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.106 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Tgt Ion: 75 Resp: 441562
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

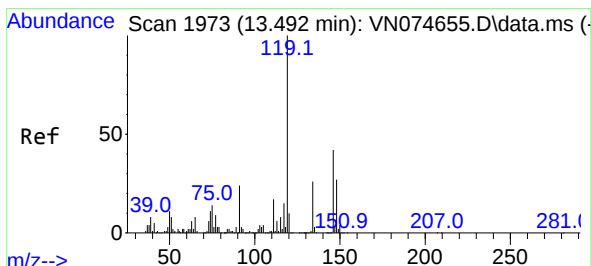
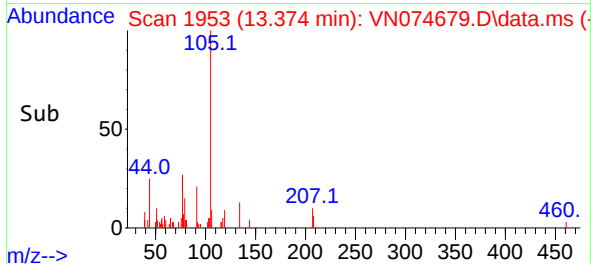
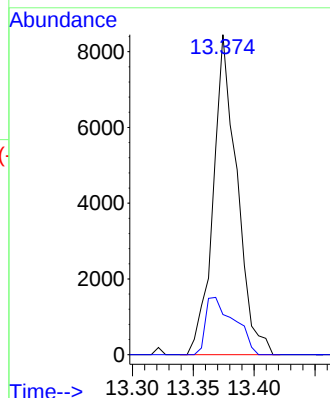
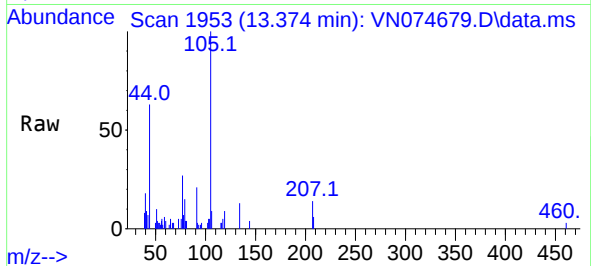




#85
 sec-Butylbenzene
 Concen: 0.238 ug/l
 RT: 13.374 min Scan# 1953
 Delta R.T. 0.000 min
 Lab File: VN074679.D
 Acq: 30 Sep 2022 20:06

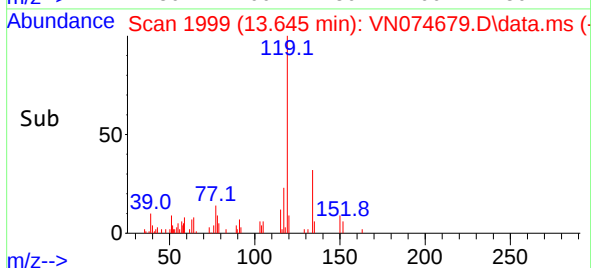
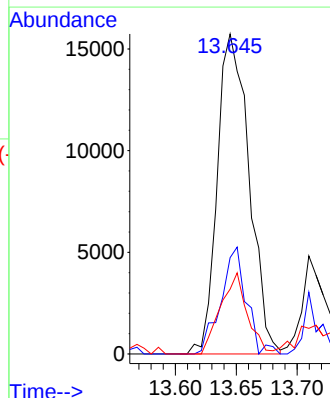
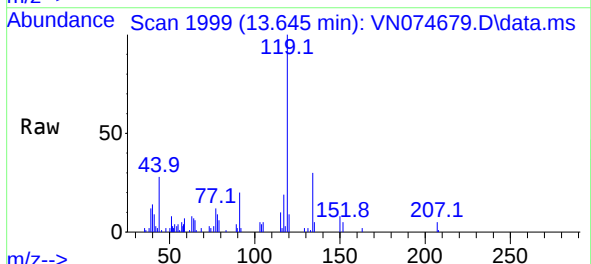
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-03

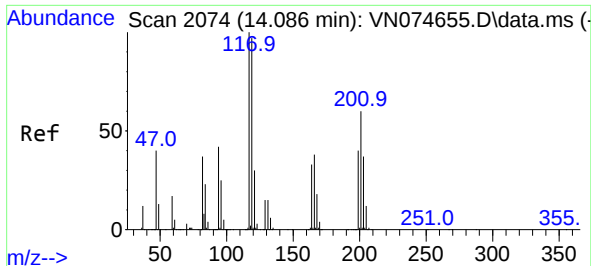
Tgt Ion:105 Resp: 11513
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.745 ug/l
 RT: 13.645 min Scan# 1999
 Delta R.T. 0.153 min
 Lab File: VN074679.D
 Acq: 30 Sep 2022 20:06

Tgt Ion:119 Resp: 28565
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 21.4 11.3 33.9





#90
Hexachloroethane
Concen: 1.084 ug/l
RT: 14.151 min Scan# 2074
Delta R.T. 0.065 min
Lab File: VN074679.D
Acq: 30 Sep 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :
MW-03

Tgt Ion:117 Resp: 8944
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

