

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072245.D
 Acq On : 28 Apr 2022 18:11
 Operator : JC\MD
 Sample : N2617-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-111

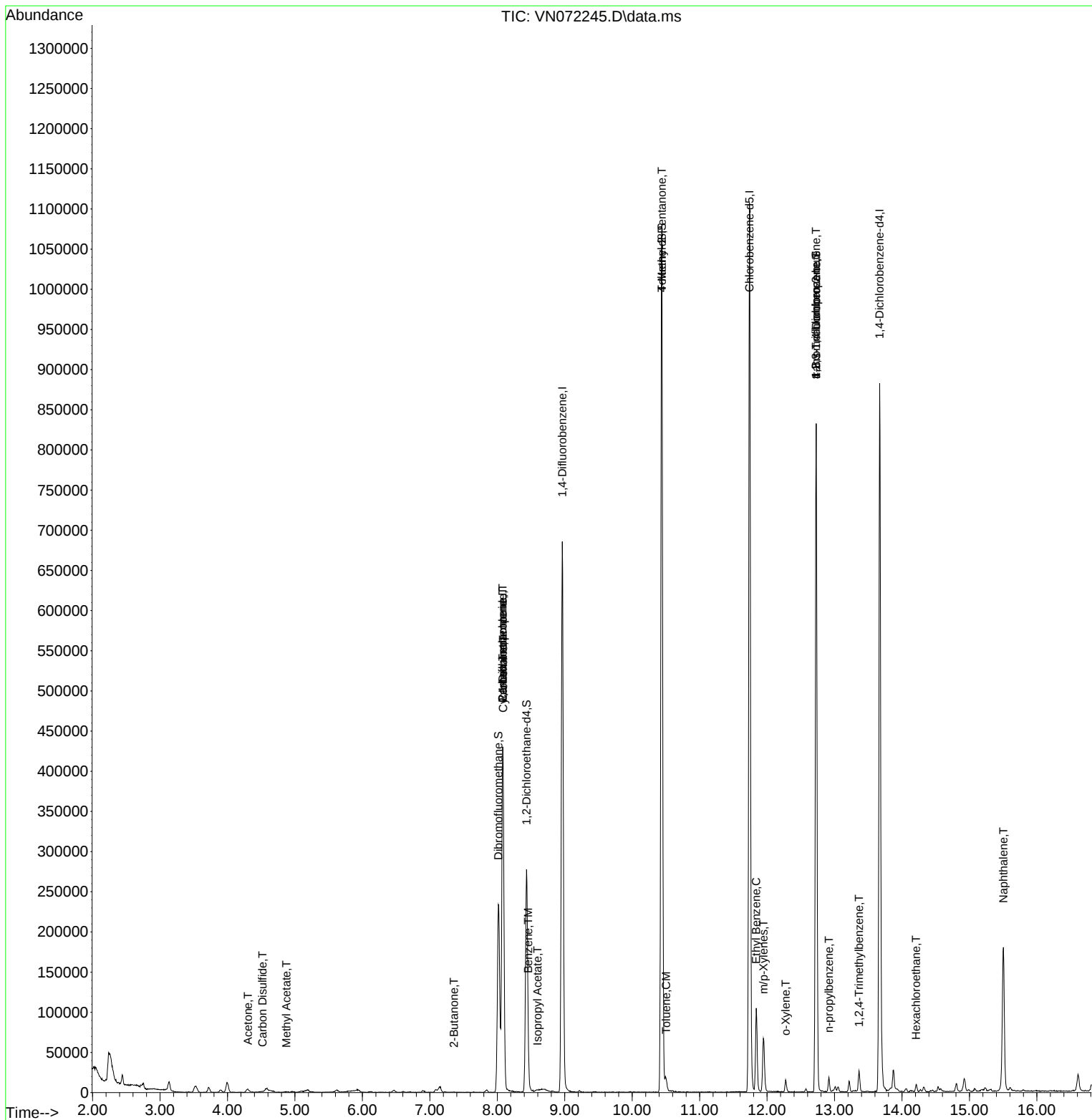
Quant Time: Apr 29 06:36:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

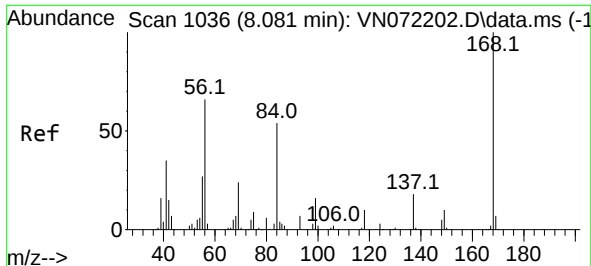
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.080	168	312717	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	581263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	619295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	230549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	238793	49.739	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.480%		
35) Dibromofluoromethane	8.016	113	172617	46.397	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.800%		
50) Toluene-d8	10.439	98	740237	50.635	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.280%		
62) 4-Bromofluorobenzene	12.727	95	291413	60.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	120.120%		
Target Compounds						
						Qvalue
3) Chloromethane	2.304	50	1423	Below Cal	#	43
5) Bromomethane	2.863	94	205	Below Cal	#	2
6) Chloroethane	3.034	64	913	Below Cal	#	42
16) Acetone	4.304	43	5786	2.795	ug/l	97
17) Carbon Disulfide	4.522	76	465	0.429	ug/l	# 75
18) Methyl Acetate	4.875	43	1465	0.214	ug/l	# 83
25) 2-Butanone	7.357	43	721	0.219	ug/l	# 45
31) Cyclohexane	8.086	56	8744	1.363	ug/l	# 41
36) 1,1-Dichloropropene	8.080	75	26597	4.911	ug/l	# 50
38) Carbon Tetrachloride	8.080	117	35487	6.118	ug/l	# 15
40) Benzene	8.457	78	8062	0.480	ug/l	91
43) Isopropyl Acetate	8.598	43	1795	0.958	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.439	43	3381	0.498	ug/l	# 1
52) Toluene	10.504	92	5590	0.557	ug/l	94
67) Ethyl Benzene	11.839	91	75094	3.441	ug/l	96
68) m/p-Xylenes	11.945	106	23677	2.922	ug/l	100
69) o-Xylene	12.274	106	4296	0.547	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	103	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	164843	31.810	ug/l	# 1
78) n-propylbenzene	12.915	91	14849	0.662	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.727	75	164843	82.673	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.362	105	15444	0.941	ug/l	96
90) Hexachloroethane	14.209	117	978	0.298	ug/l	# 9
95) Naphthalene	15.504	128	186170	18.549	ug/l	99

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

Quant Time: Apr 29 06:36:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration

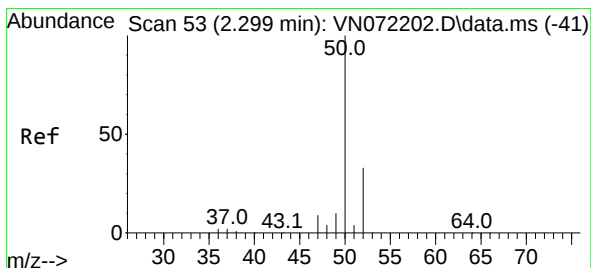
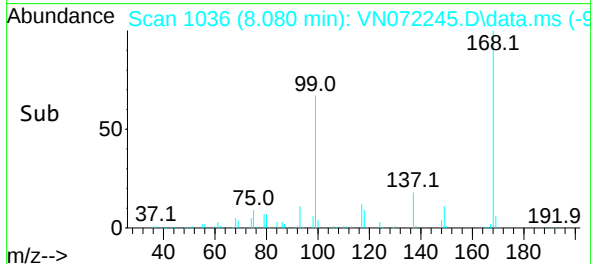
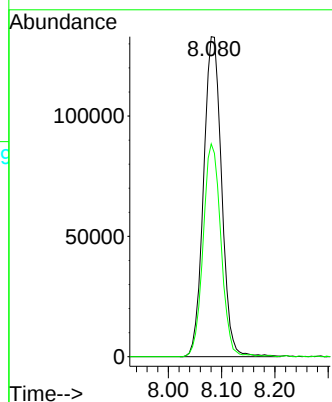
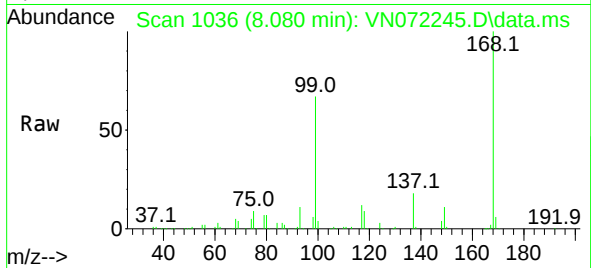




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

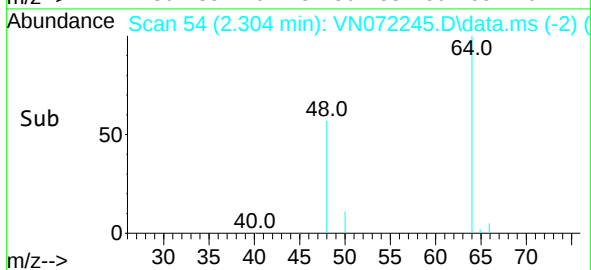
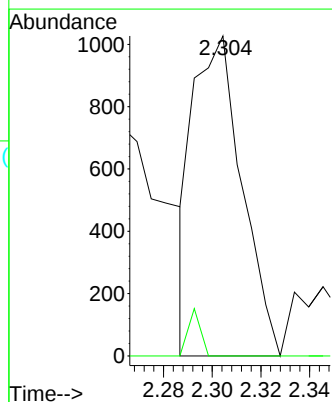
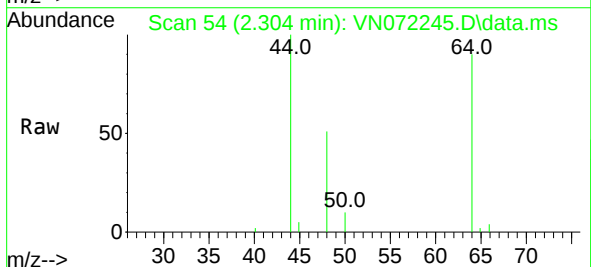
Instrument :
MSVOA_N
ClientSampleId :
MW-111

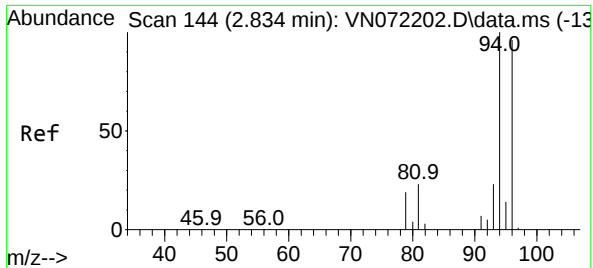
Tgt Ion:168 Resp: 312717
Ion Ratio Lower Upper
168 100
99 66.5 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 50 Resp: 1423
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

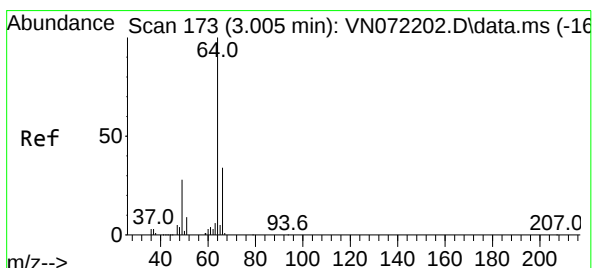
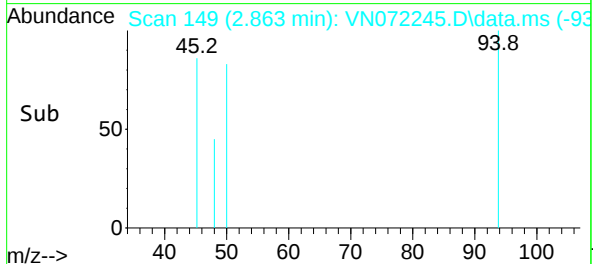
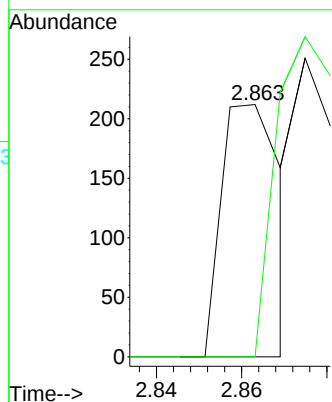
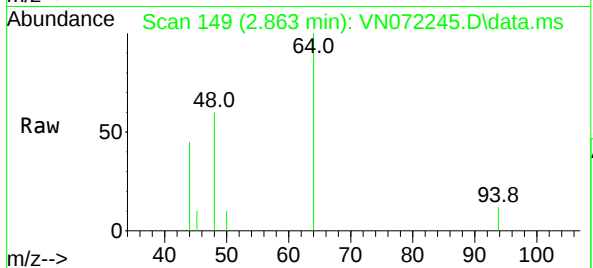




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 144
Delta R.T. 0.029 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

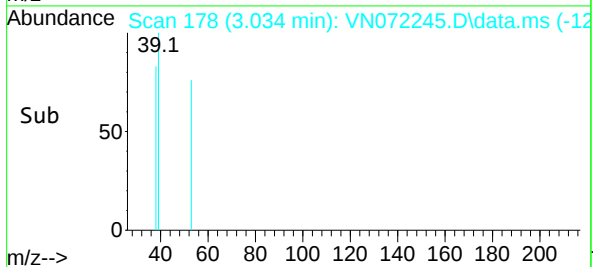
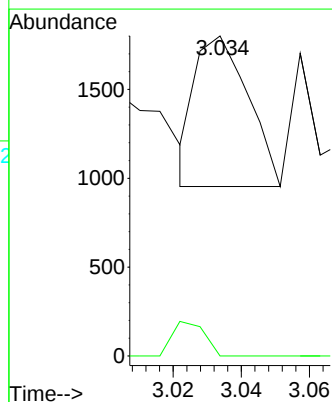
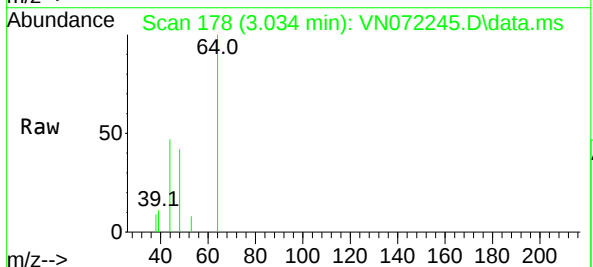
Instrument :
MSVOA_N
ClientSampleId :
MW-111

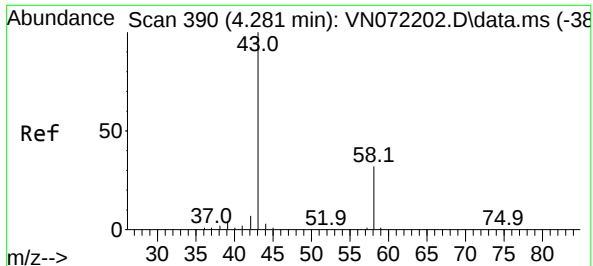
Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.034 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 64 Resp: 913
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

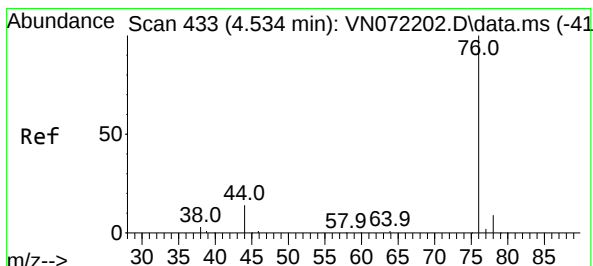
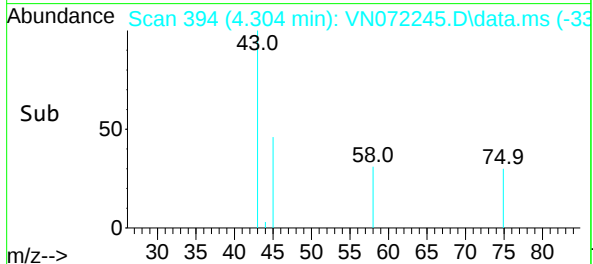
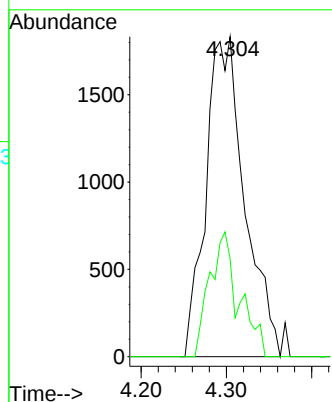
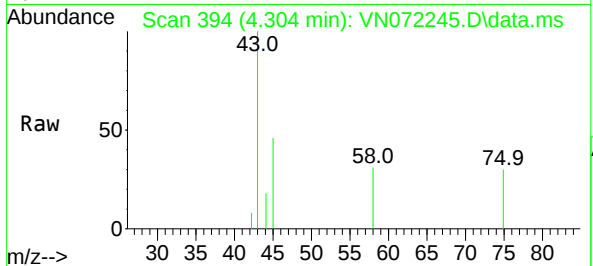




#16
Acetone
Concen: 2.795 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

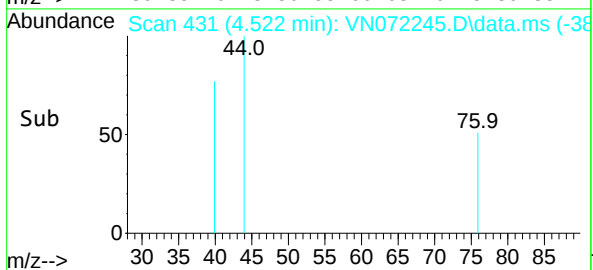
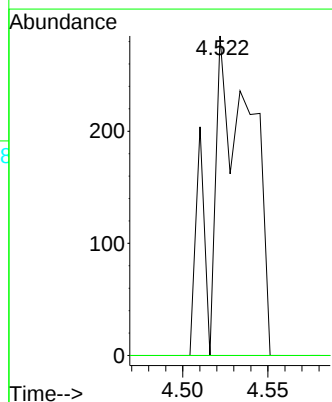
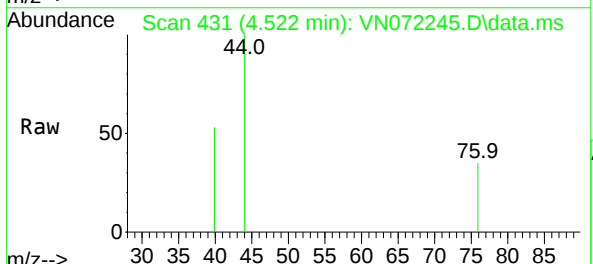
Instrument :
MSVOA_N
ClientSampleId :
MW-111

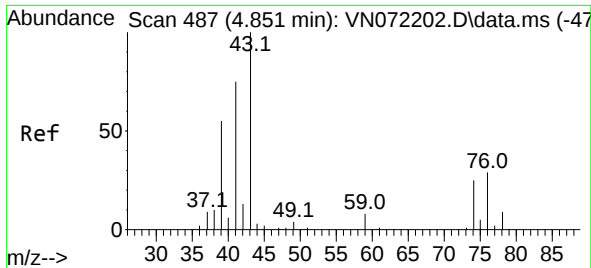
Tgt Ion: 43 Resp: 5786
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0



#17
Carbon Disulfide
Concen: 0.429 ug/l
RT: 4.522 min Scan# 431
Delta R.T. -0.012 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 76 Resp: 465
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

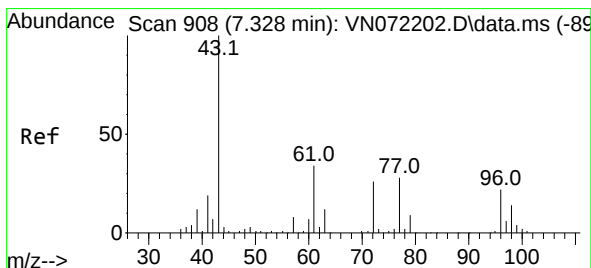
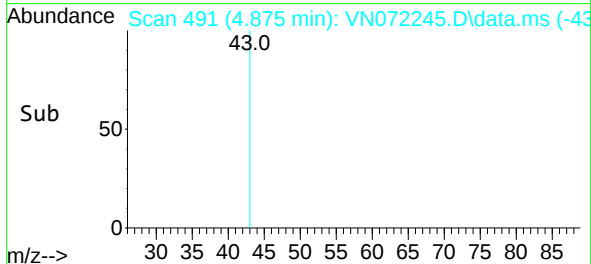
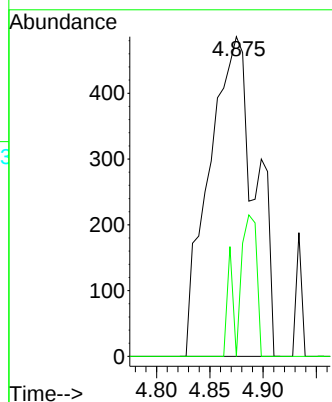
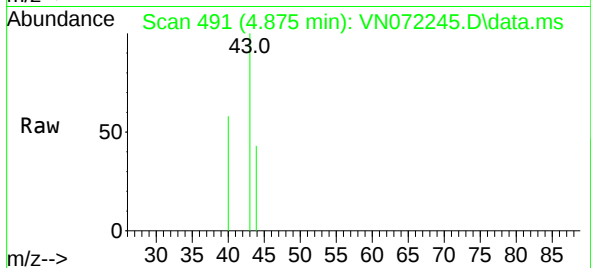




#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 4.875 min Scan# 491
Delta R.T. 0.024 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

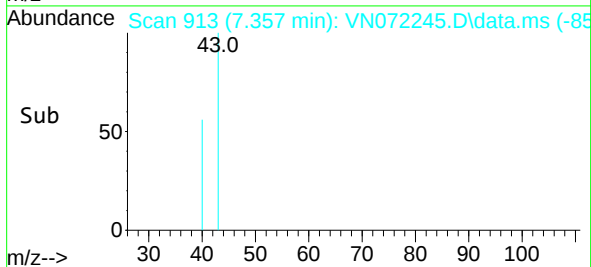
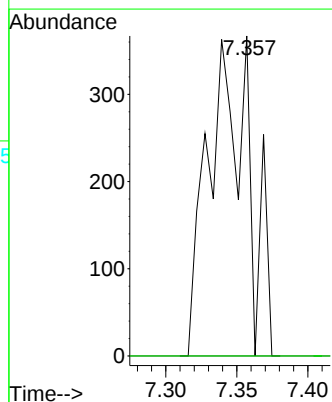
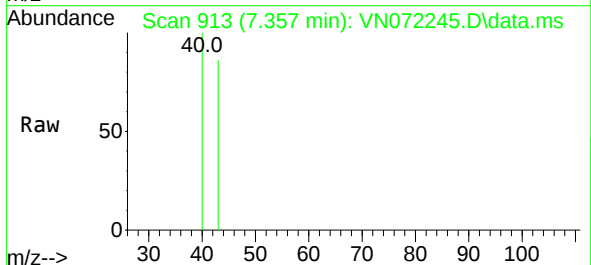
Instrument :
MSVOA_N
ClientSampleId :
MW-111

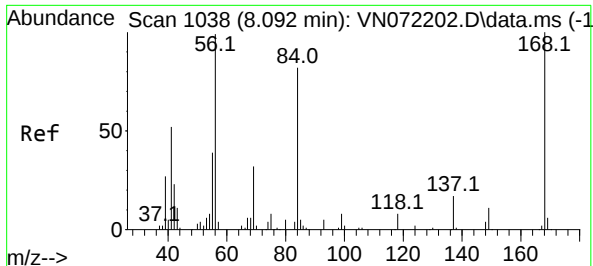
Tgt Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
74 18.2 21.6 32.4#



#25
2-Butanone
Concen: 0.219 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.029 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#31

Cyclohexane

Concen: 1.363 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072245.D

Acq: 28 Apr 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-111

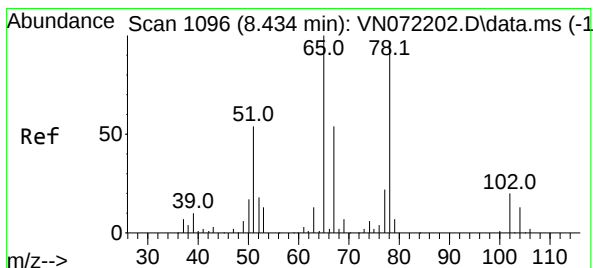
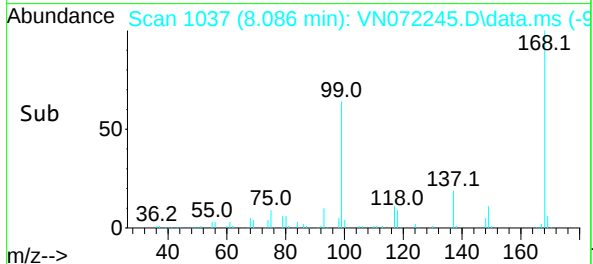
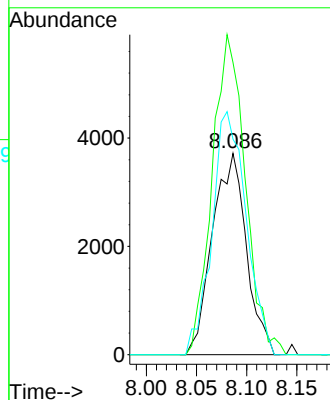
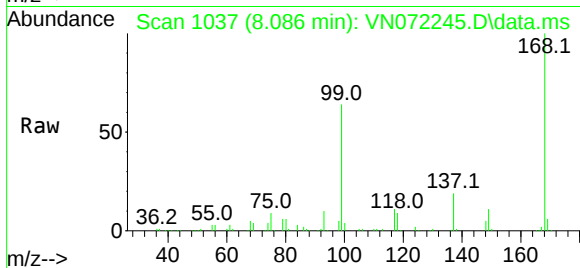
Tgt Ion: 56 Resp: 8744

Ion Ratio Lower Upper

56 100

69 145.2 27.8 41.8#

84 107.1 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 49.739 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072245.D

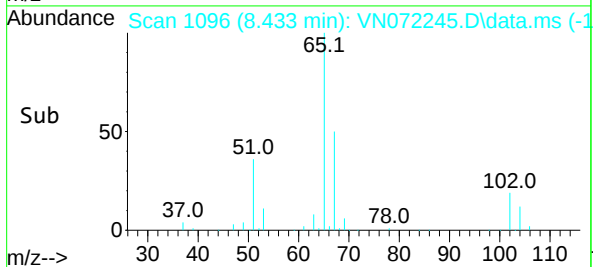
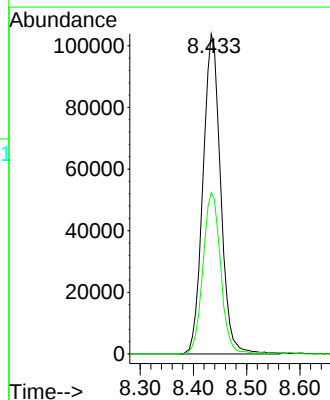
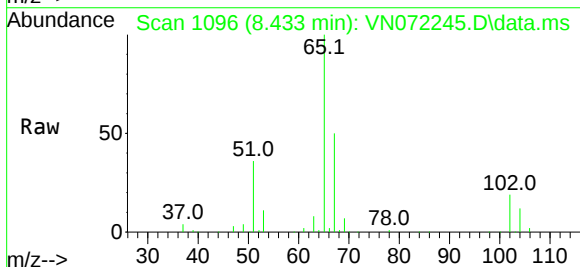
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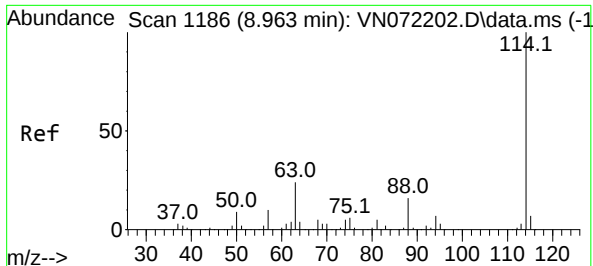
Tgt Ion: 65 Resp: 238793

Ion Ratio Lower Upper

65 100

67 50.3 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: VN072245.D

Acq: 28 Apr 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-111

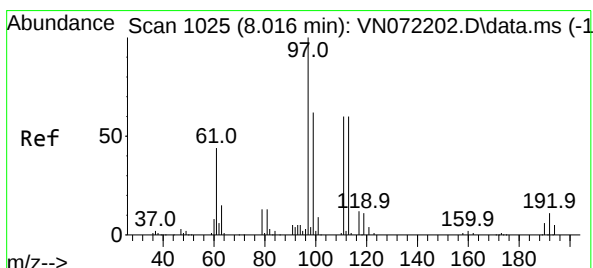
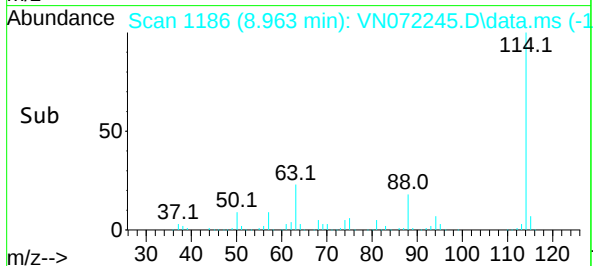
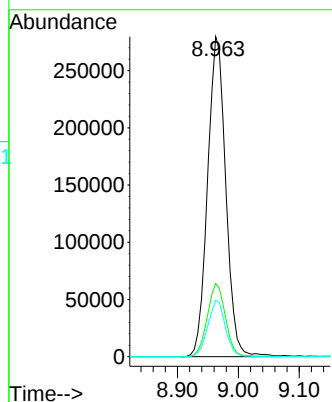
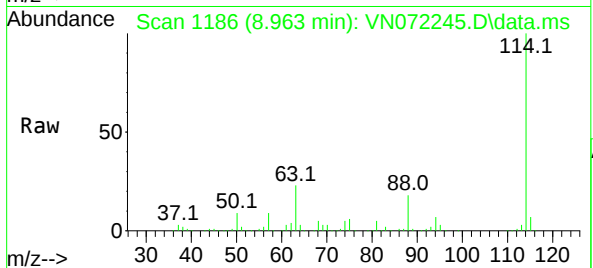
Tgt Ion:114 Resp: 581263

Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 17.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.397 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072245.D

Acq: 28 Apr 2022 18:11

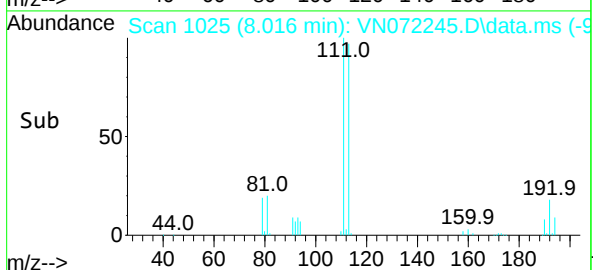
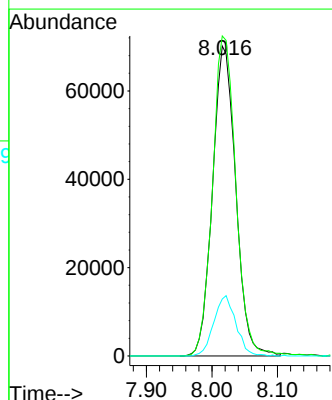
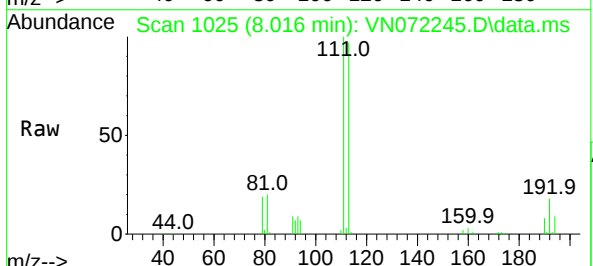
Tgt Ion:113 Resp: 172617

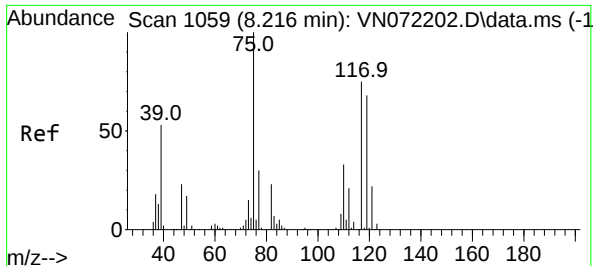
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.911 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072245.D

Acq: 28 Apr 2022 18:11

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MSVOA_N

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MW-111

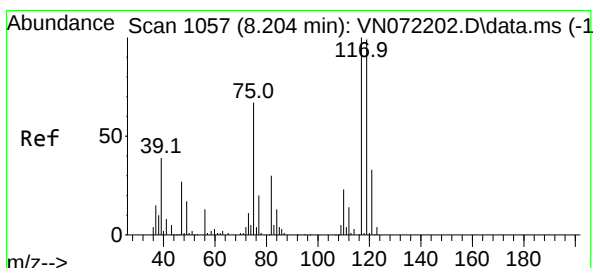
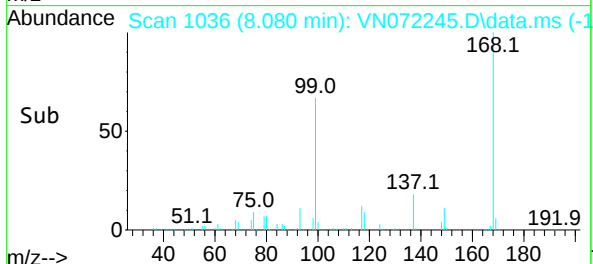
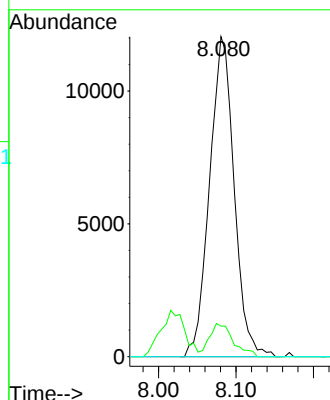
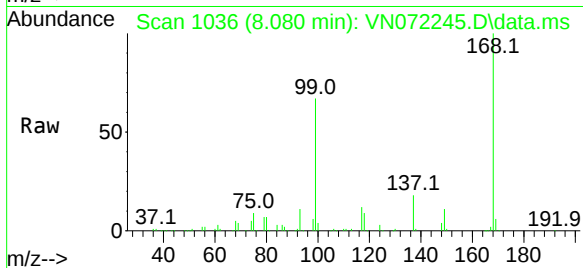
Tgt Ion: 75 Resp: 26597

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN072245.D

Acq: 28 Apr 2022 18:11

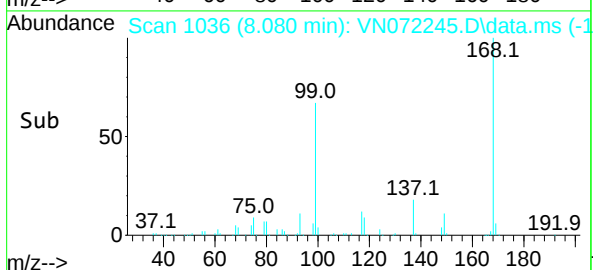
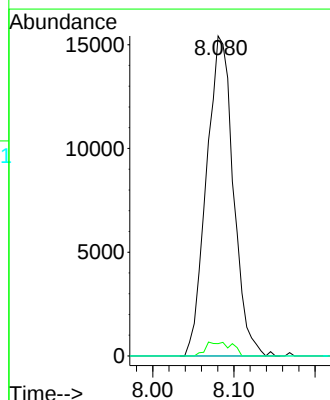
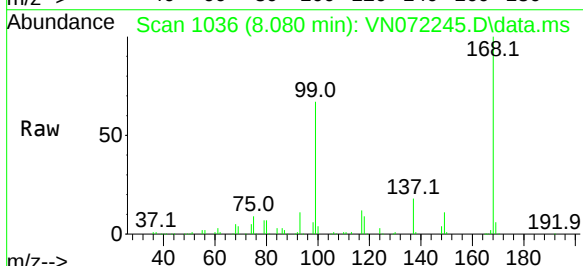
Tgt Ion: 117 Resp: 35487

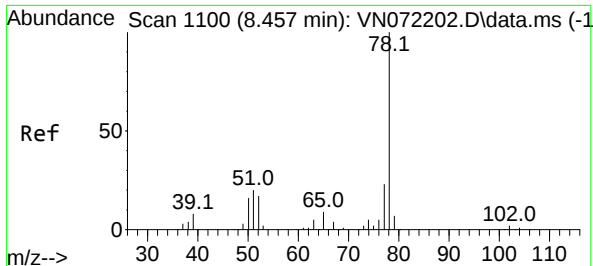
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

121 0.0 24.6 37.0#

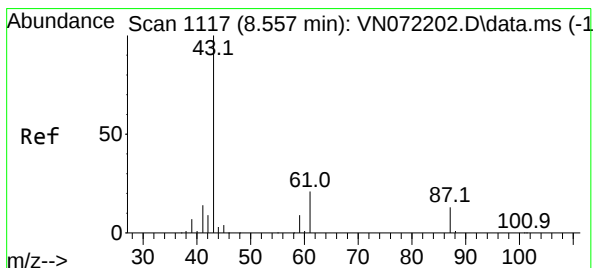
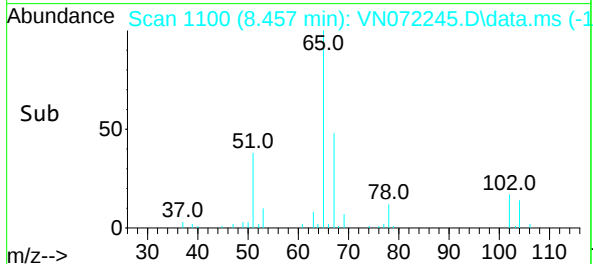
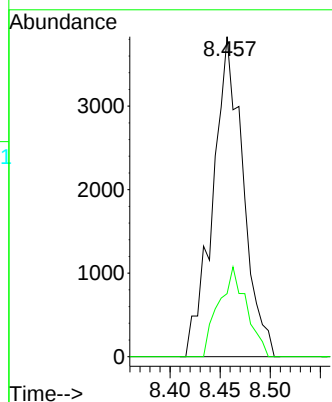
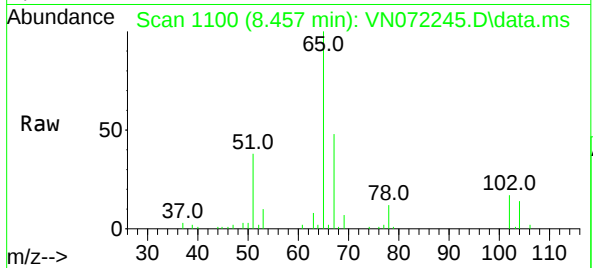




#40
Benzene
Concen: 0.480 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

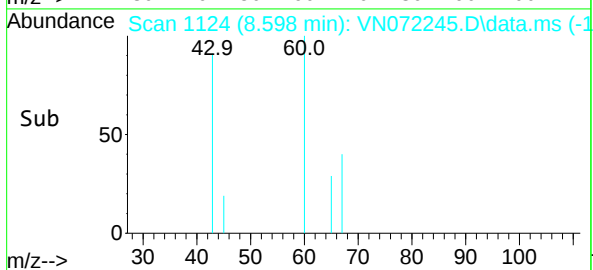
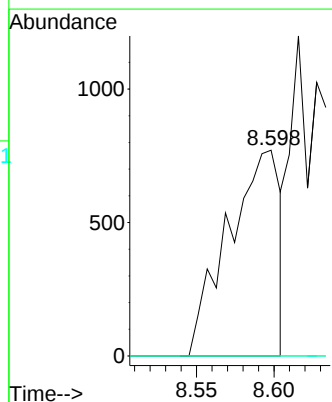
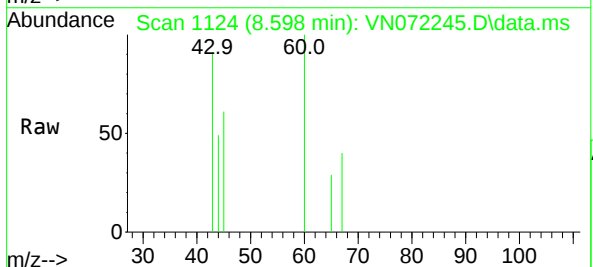
Instrument :
MSVOA_N
ClientSampleId :
MW-111

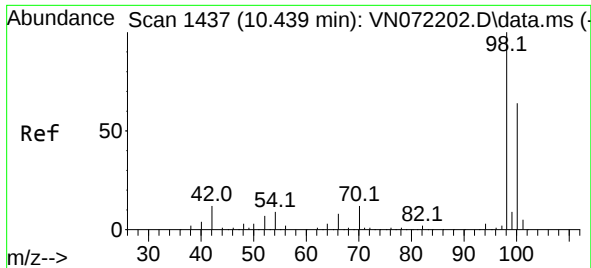
Tgt Ion: 78 Resp: 8062
Ion Ratio Lower Upper
78 100
77 19.7 19.4 29.0



#43
Isopropyl Acetate
Concen: 0.958 ug/l
RT: 8.598 min Scan# 1124
Delta R.T. 0.041 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

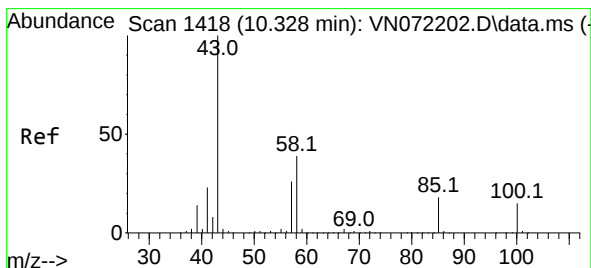
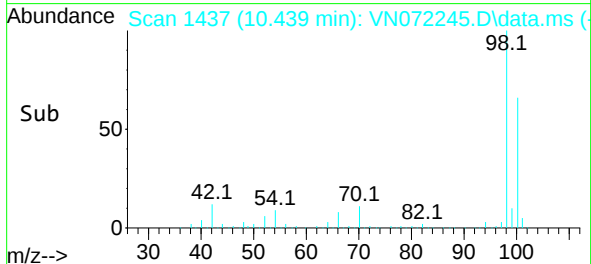
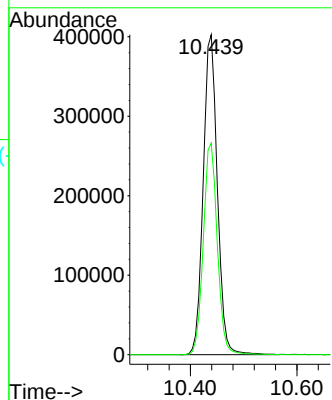
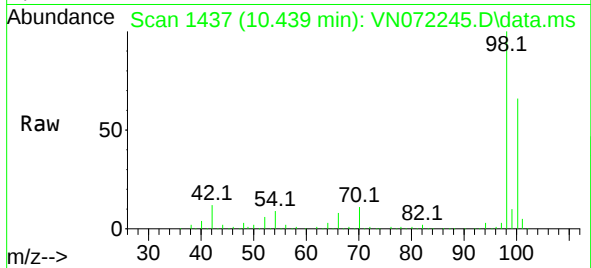




#50
Toluene-d8
Concen: 50.635 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

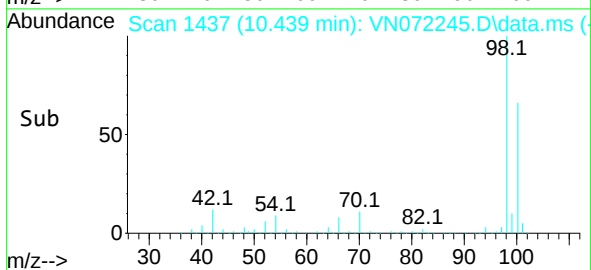
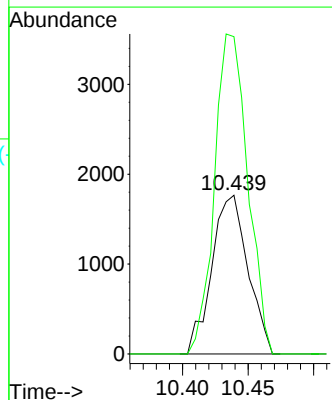
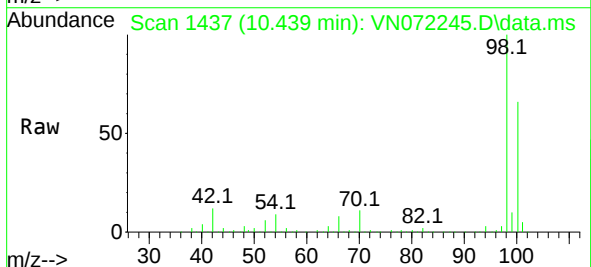
Instrument :
MSVOA_N
ClientSampleId :
MW-111

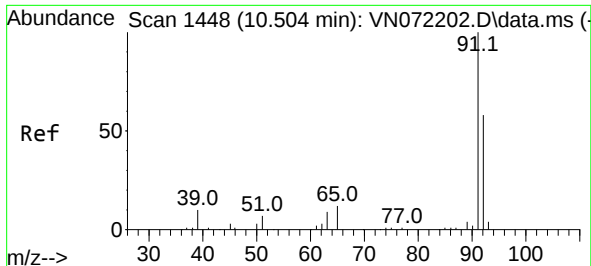
Tgt Ion: 98 Resp: 740237
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.111 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 43 Resp: 3381
Ion Ratio Lower Upper
43 100
58 185.4 34.1 51.1#

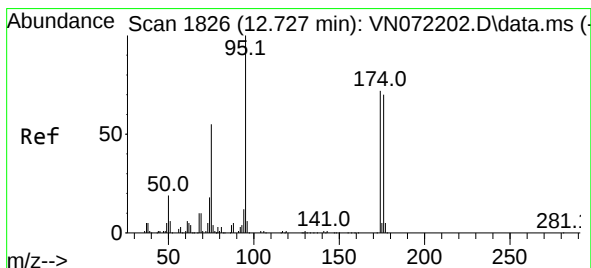
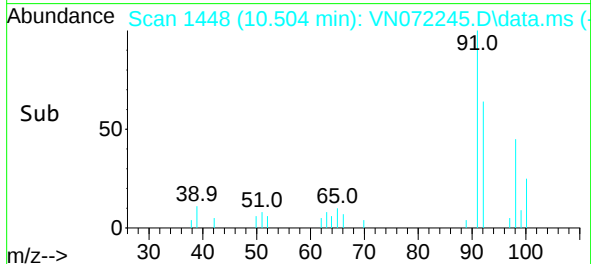
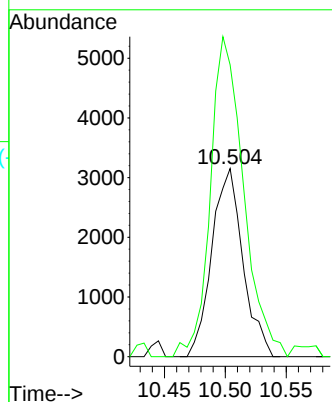
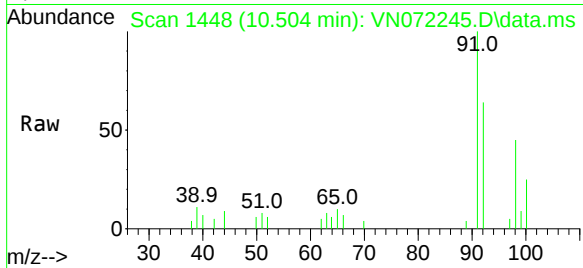




#52
Toluene
Concen: 0.557 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

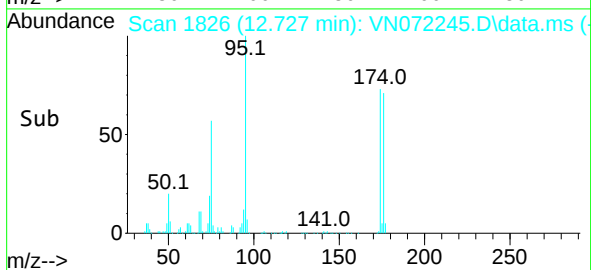
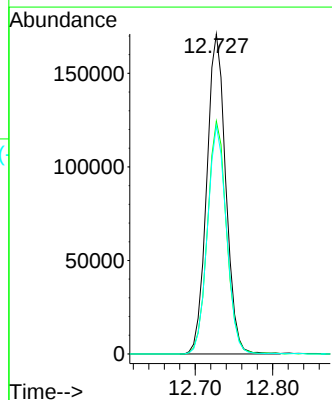
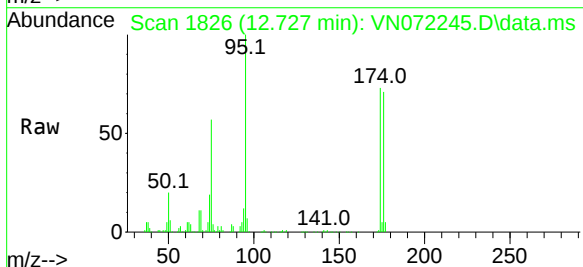
Instrument :
MSVOA_N
ClientSampleId :
MW-111

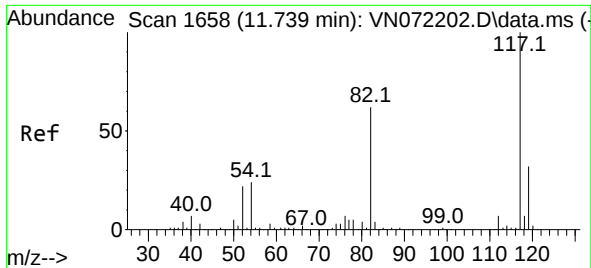
Tgt Ion: 92 Resp: 5590
Ion Ratio Lower Upper
92 100
91 181.6 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 60.056 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 95 Resp: 291413
Ion Ratio Lower Upper
95 100
174 72.4 0.0 167.6
176 71.1 0.0 163.4

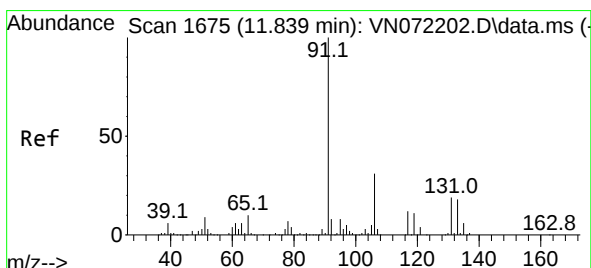
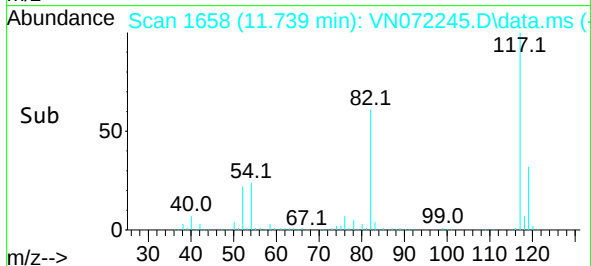
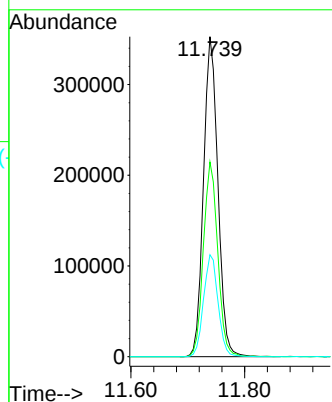
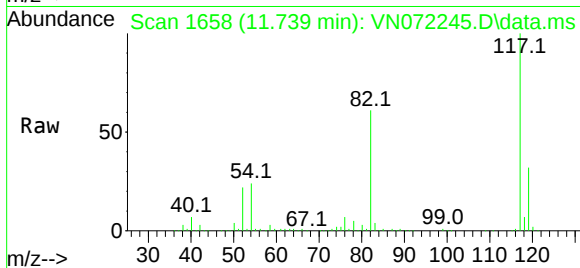




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

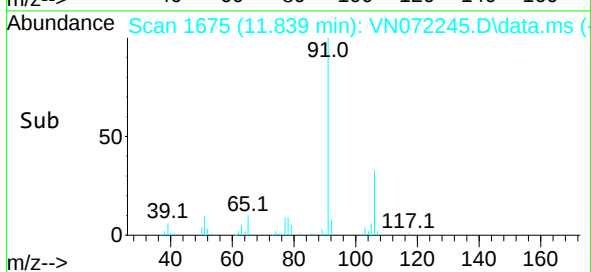
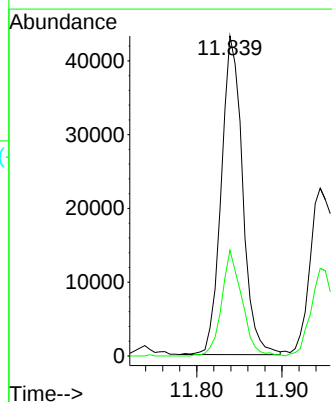
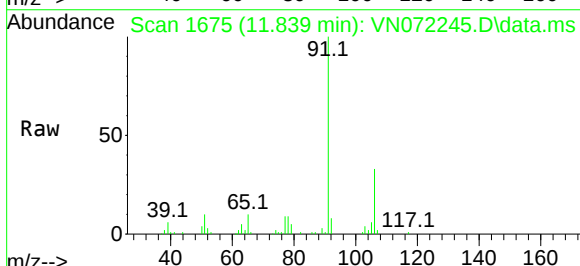
Instrument :
MSVOA_N
ClientSampleId :
MW-111

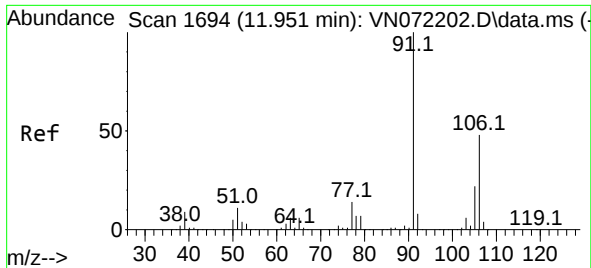
Tgt Ion:117 Resp: 619295
Ion Ratio Lower Upper
117 100
82 60.8 44.2 66.2
119 31.9 25.4 38.0



#67
Ethyl Benzene
Concen: 3.441 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 91 Resp: 75094
Ion Ratio Lower Upper
91 100
106 33.2 24.9 37.3

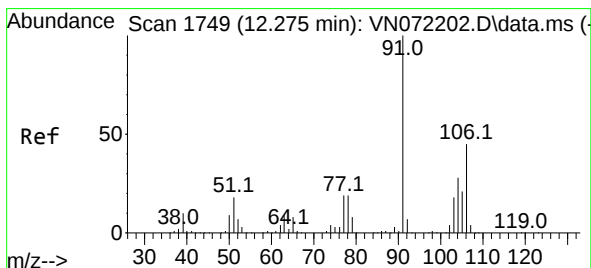
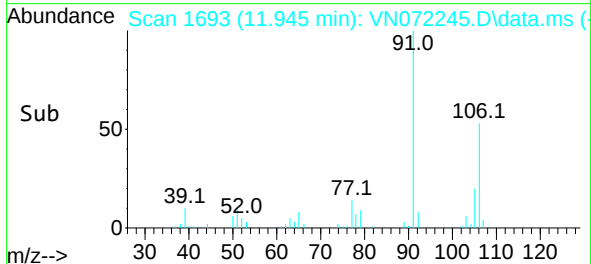
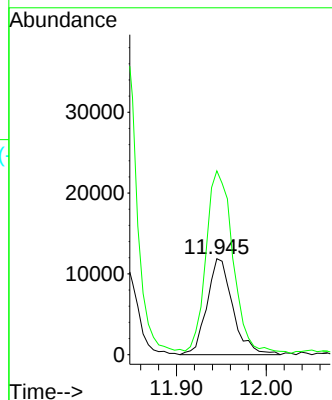
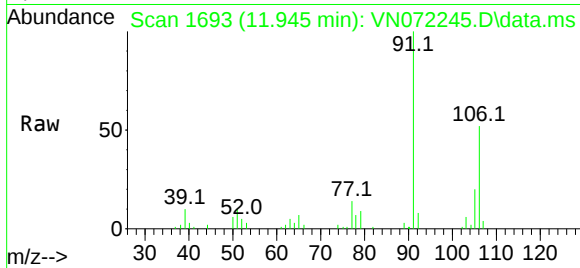




#68
m/p-Xylenes
Concen: 2.922 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

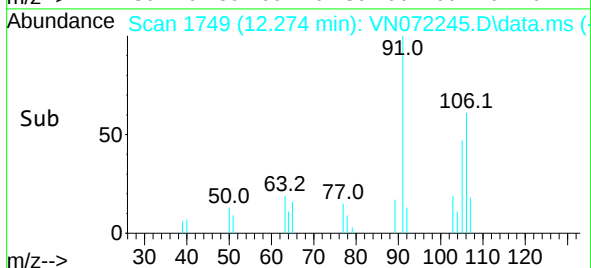
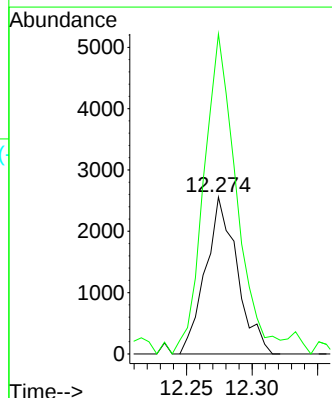
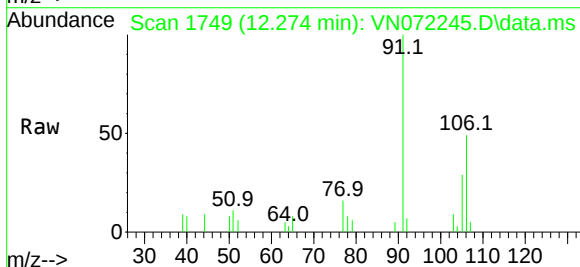
Instrument :
MSVOA_N
ClientSampleId :
MW-111

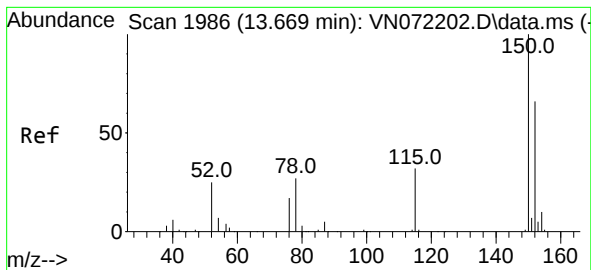
Tgt Ion:106 Resp: 23677
Ion Ratio Lower Upper
106 100
91 199.2 158.9 238.3



#69
o-Xylene
Concen: 0.547 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion:106 Resp: 4296
Ion Ratio Lower Upper
106 100
91 211.3 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN072245.D

Acq: 28 Apr 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

MW-111

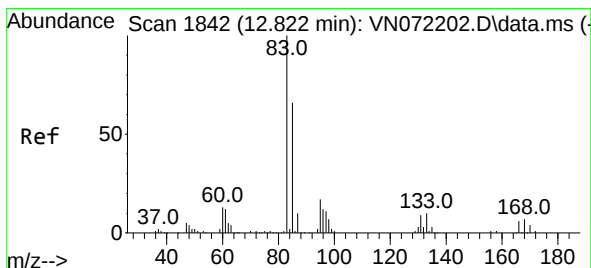
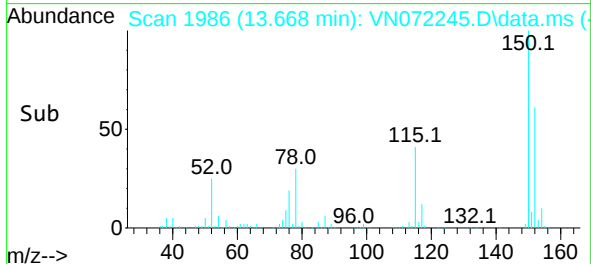
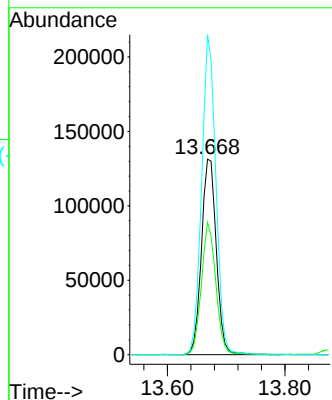
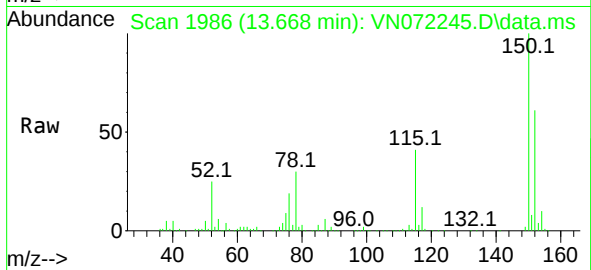
Tgt Ion:152 Resp: 230549

Ion Ratio Lower Upper

152 100

115 65.7 28.9 86.7

150 156.0 0.0 356.2



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.715 min Scan# 1824

Delta R.T. -0.107 min

Lab File: VN072245.D

Acq: 28 Apr 2022 18:11

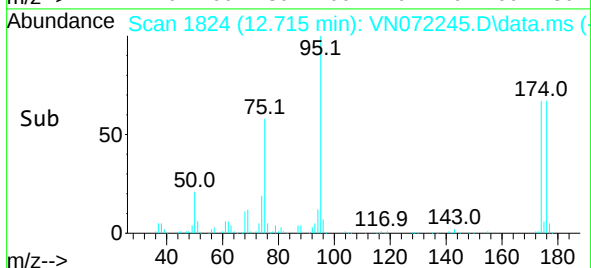
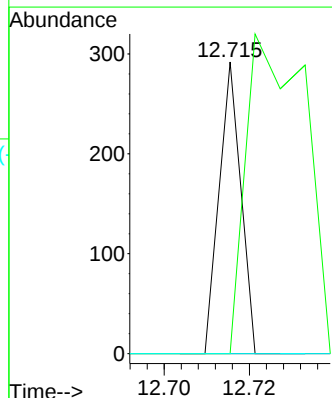
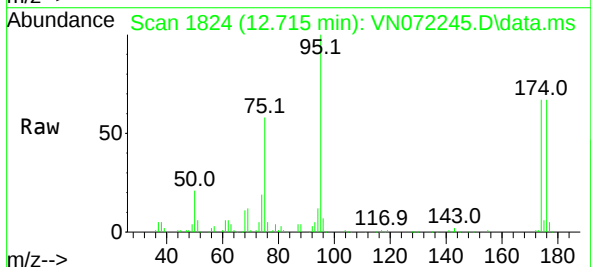
Tgt Ion: 83 Resp: 103

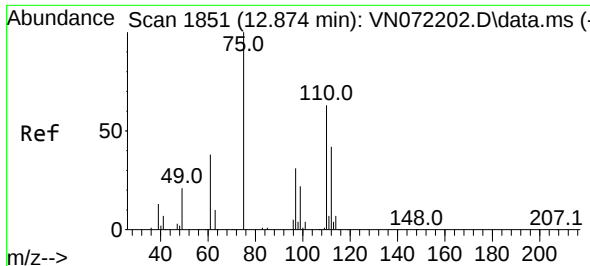
Ion Ratio Lower Upper

83 100

131 300.0 5.3 15.9#

85 0.0 32.3 96.9#

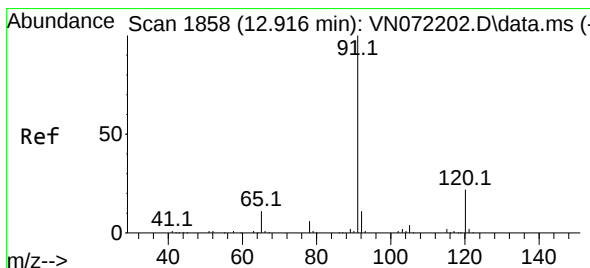
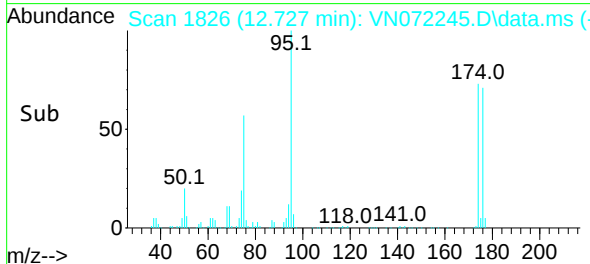
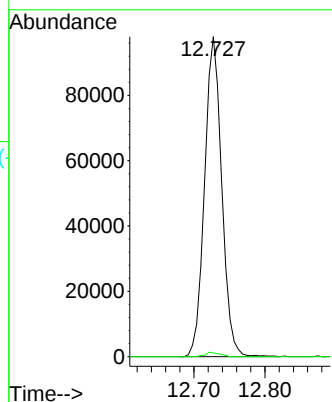
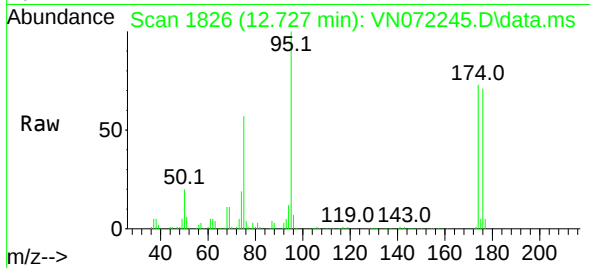




#76
1,2,3-Trichloropropane
Concen: 31.810 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

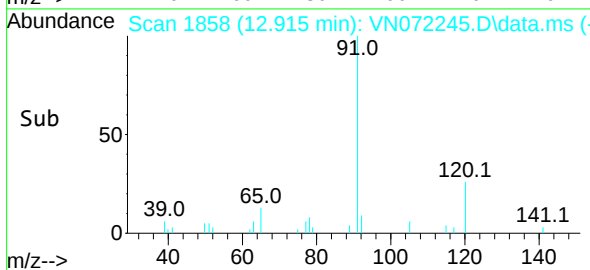
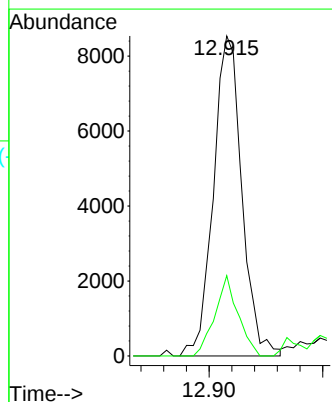
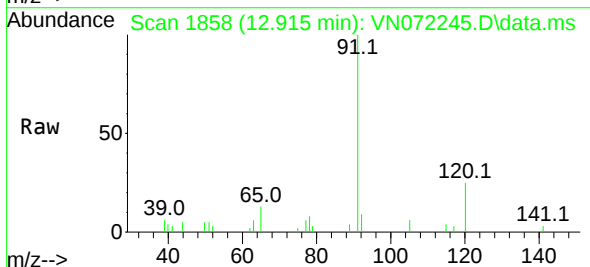
Instrument :
MSVOA_N
ClientSampleId :
MW-111

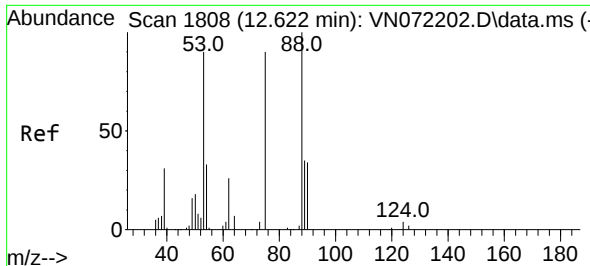
Tgt Ion: 75 Resp: 164843
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#78
n-propylbenzene
Concen: 0.662 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion: 91 Resp: 14849
Ion Ratio Lower Upper
91 100
120 20.4 11.9 35.5

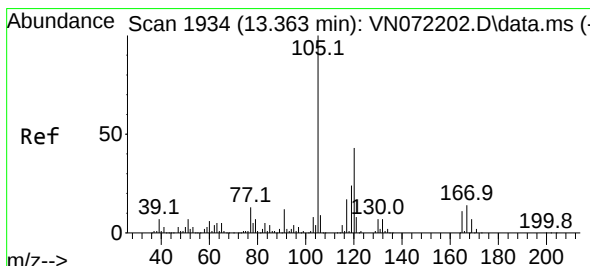
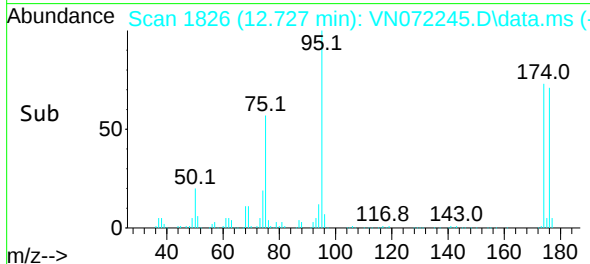
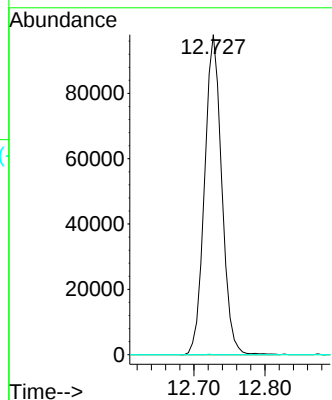
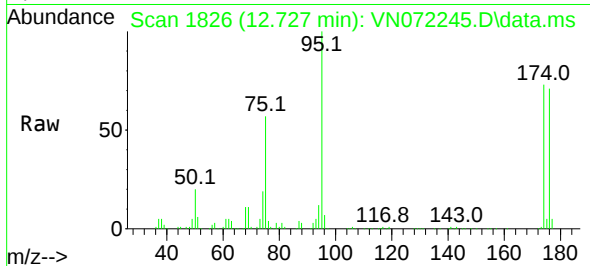




#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.673 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072245.D
 Acq: 28 Apr 2022 18:11

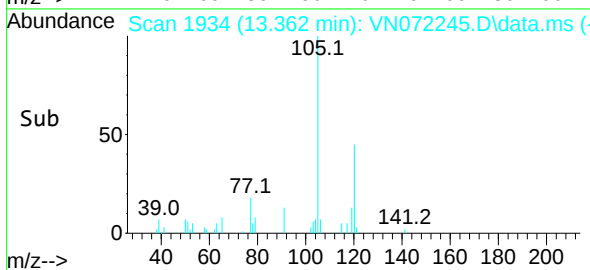
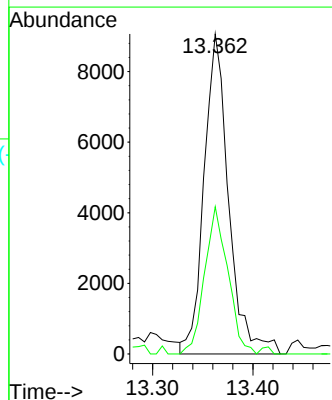
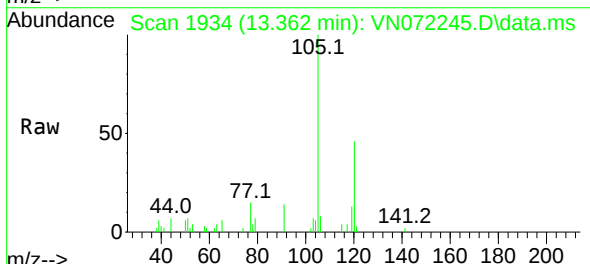
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-111

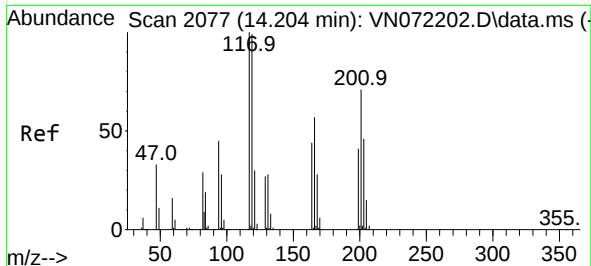
Tgt Ion: 75 Resp: 164843
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.941 ug/l
 RT: 13.362 min Scan# 1934
 Delta R.T. -0.001 min
 Lab File: VN072245.D
 Acq: 28 Apr 2022 18:11

Tgt Ion: 105 Resp: 15444
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.3 69.8

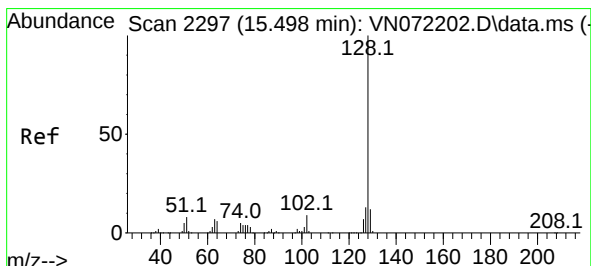
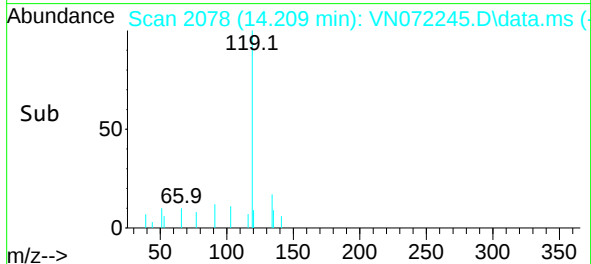
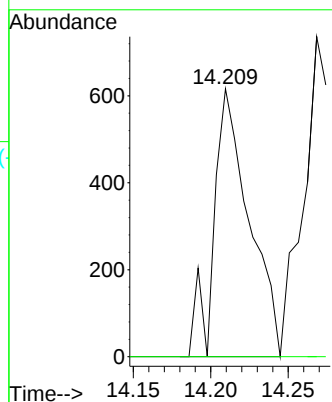
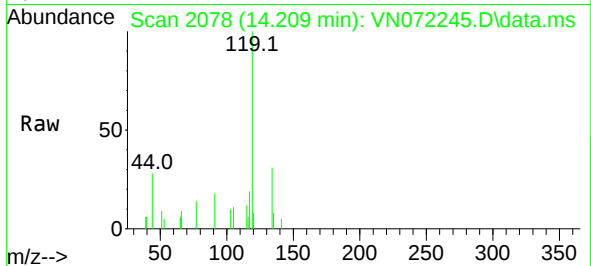




#90
Hexachloroethane
Concen: 0.298 ug/l
RT: 14.209 min Scan# 2077
Delta R.T. 0.005 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Instrument :
MSVOA_N
ClientSampleId :
MW-111

Tgt Ion:117 Resp: 978
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 18.549 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072245.D
Acq: 28 Apr 2022 18:11

Tgt Ion:128 Resp: 186170
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.9 8.6 13.0

