

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072252.D
 Acq On : 28 Apr 2022 21:00
 Operator : JC\MD
 Sample : N2617-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17

Quant Time: Apr 29 06:37:55 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	8.081	168	291084	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	550182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	589173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	222864	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	228349	51.099	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.200%
35) Dibromofluoromethane	8.016	113	165253	46.927	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.860%
50) Toluene-d8	10.439	98	698160	50.455	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.920%
62) 4-Bromofluorobenzene	12.727	95	282083	61.418	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	122.840%

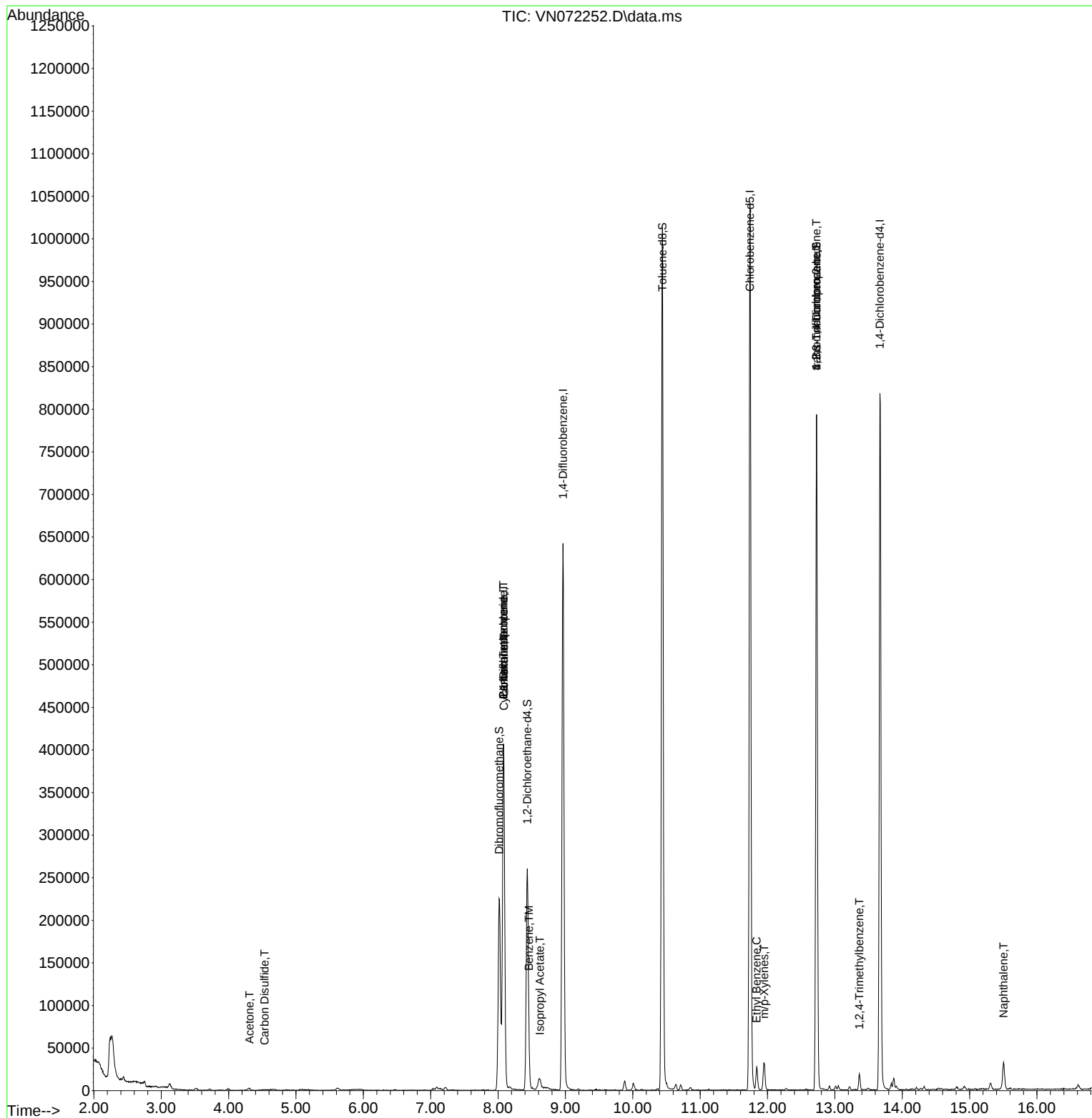
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.287	50	1852	Below Cal	#	43
5) Bromomethane	2.869	94	164	Below Cal		91
6) Chloroethane	2.999	64	414	Below Cal	#	42
16) Acetone	4.310	43	2148	1.115	ug/l	# 86
17) Carbon Disulfide	4.534	76	197	0.393	ug/l	# 75
31) Cyclohexane	8.087	56	7381	1.236	ug/l	# 23
36) 1,1-Dichloropropene	8.081	75	25080	4.893	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	31781	5.789	ug/l	# 17
40) Benzene	8.457	78	3456	0.217	ug/l	96
43) Isopropyl Acetate	8.622	43	6805	1.428	ug/l	# 53
67) Ethyl Benzene	11.839	91	19710	0.949	ug/l	99
68) m/p-Xylenes	11.951	106	10812	1.402	ug/l	86
76) 1,2,3-Trichloropropane	12.727	75	153295	30.620	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	153295	79.533	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.363	105	11729	0.740	ug/l	91
95) Naphthalene	15.504	128	33673	6.966	ug/l	99

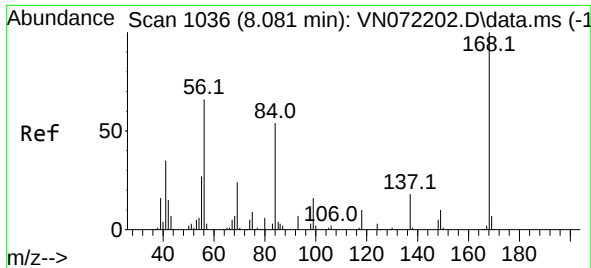
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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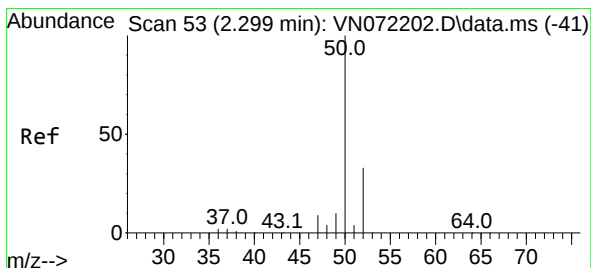
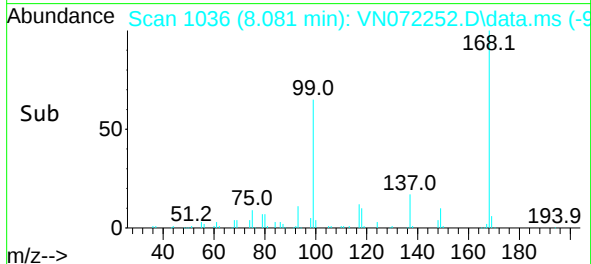
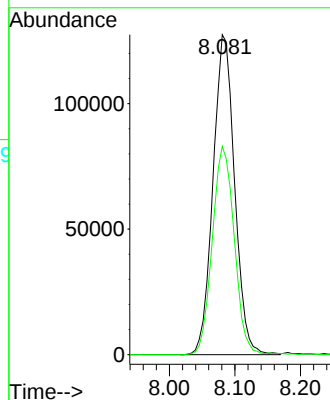
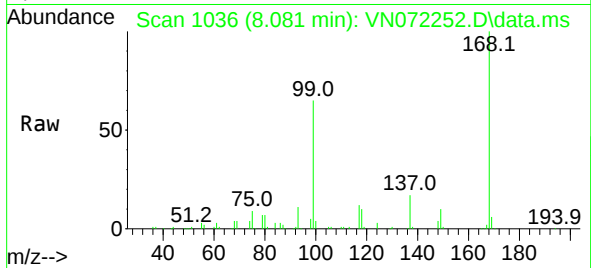




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

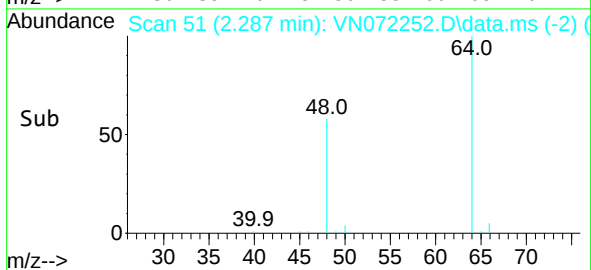
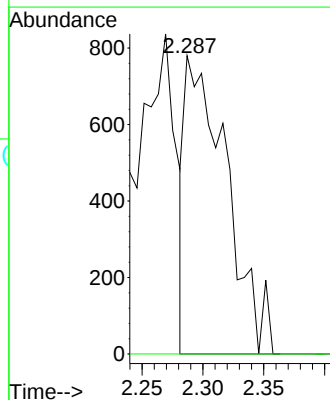
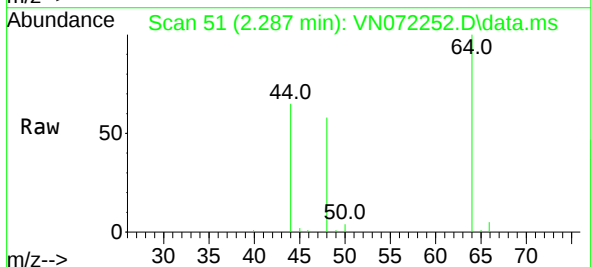
Instrument :
MSVOA_N
ClientSampleId :
MW-17

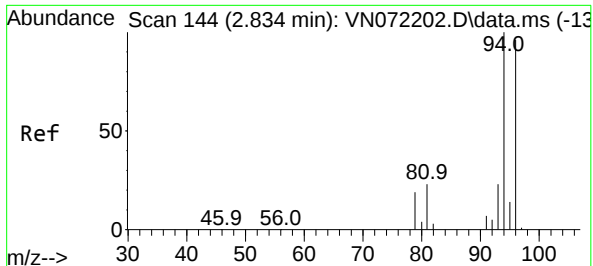
Tgt Ion:168 Resp: 291084
Ion Ratio Lower Upper
168 100
99 65.1 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion: 50 Resp: 1852
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

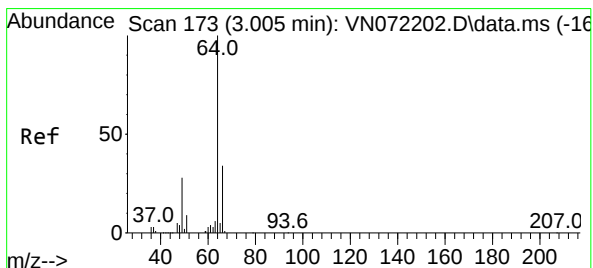
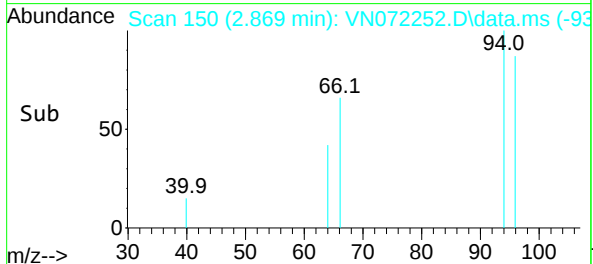
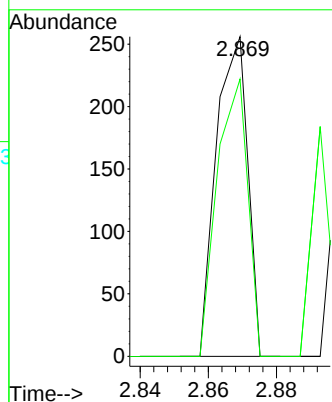
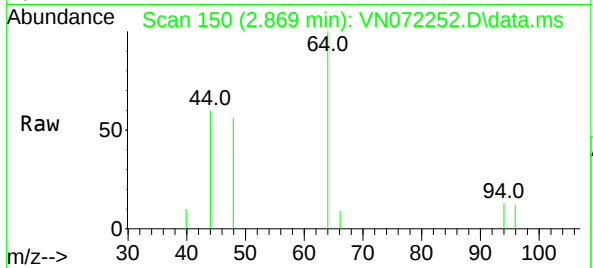




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

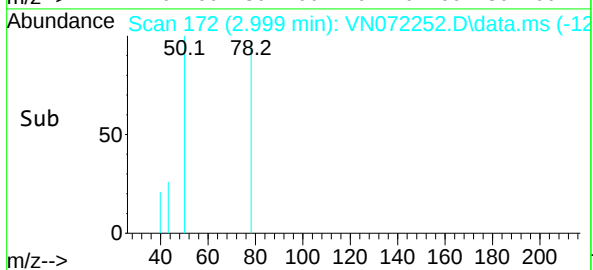
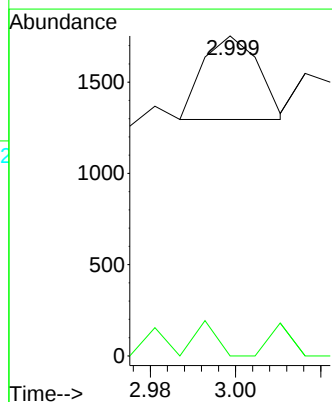
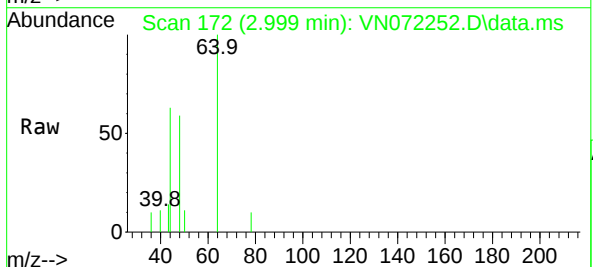
Instrument :
MSVOA_N
ClientSampleId :
MW-17

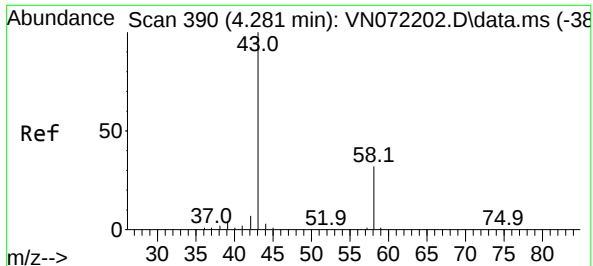
Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 86.7 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.999 min Scan# 172
Delta R.T. -0.006 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#16

Acetone

Concen: 1.115 ug/l

RT: 4.310 min Scan# 390

Delta R.T. 0.029 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

Instrument :

MSVOA_N

ClientSampleId :

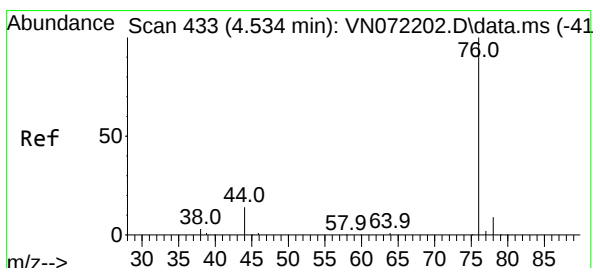
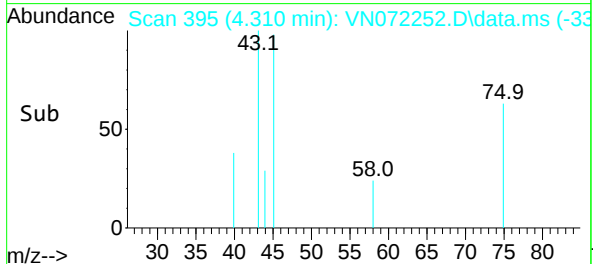
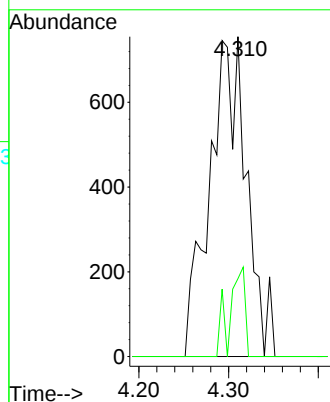
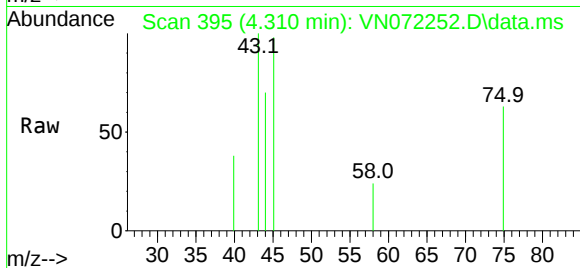
MW-17

Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

43 100

58 24.4 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.393 ug/l

RT: 4.534 min Scan# 433

Delta R.T. -0.000 min

Lab File: VN072252.D

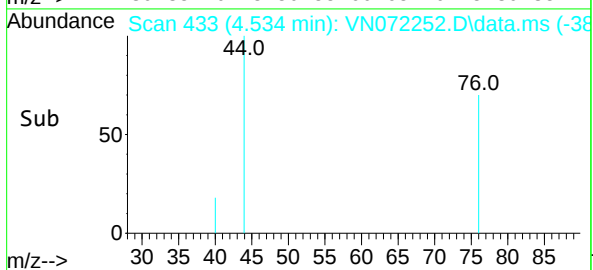
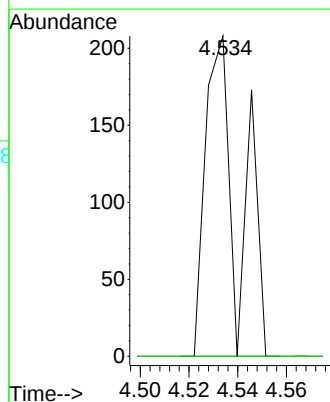
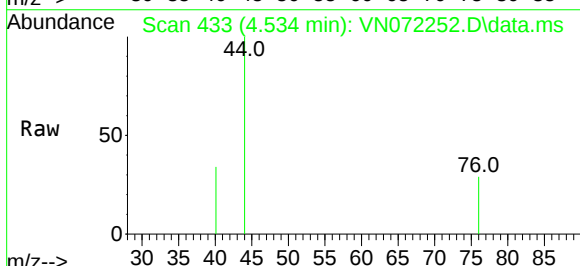
Acq: 28 Apr 2022 21:00

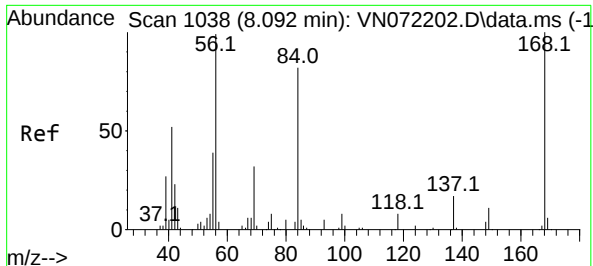
Tgt Ion: 76 Resp: 197

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

Instrument :

MSVOA_N

ClientSampleId :

MW-17

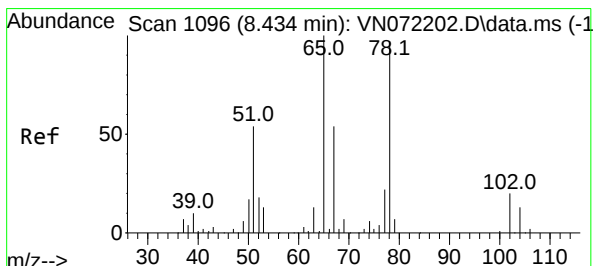
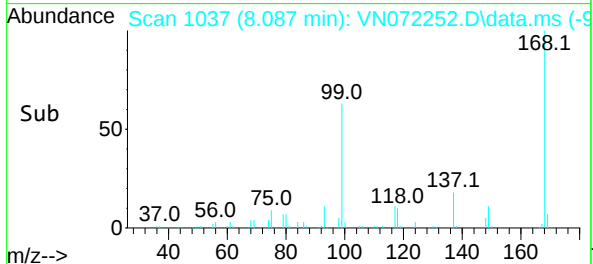
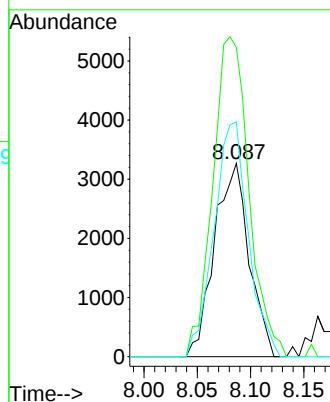
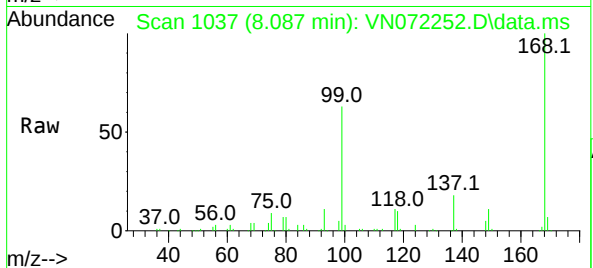
Tgt Ion: 56 Resp: 7381

Ion Ratio Lower Upper

56 100

69 160.1 27.8 41.8#

84 121.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 51.099 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072252.D

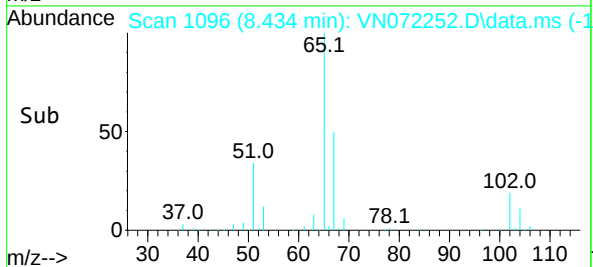
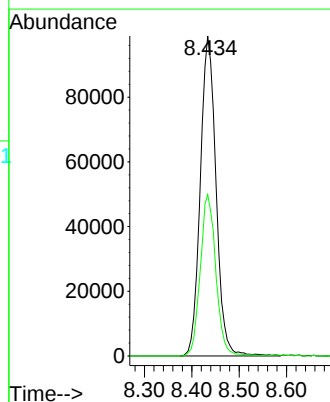
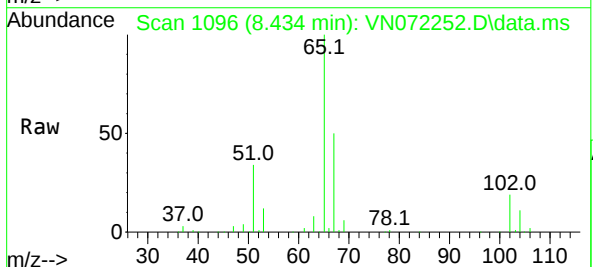
Acq: 28 Apr 2022 21:00

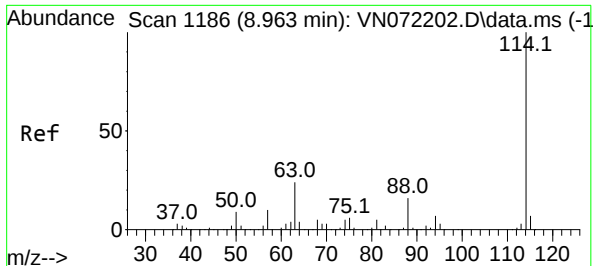
Tgt Ion: 65 Resp: 228349

Ion Ratio Lower Upper

65 100

67 49.8 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: VN072252.D

Acq: 28 Apr 2022 21:00

Instrument :

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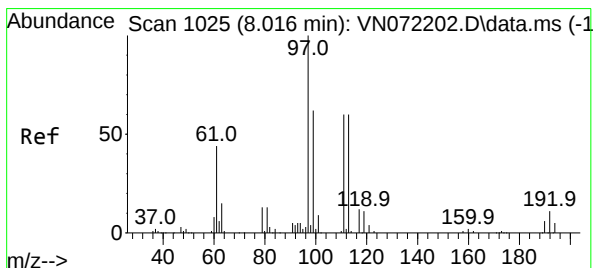
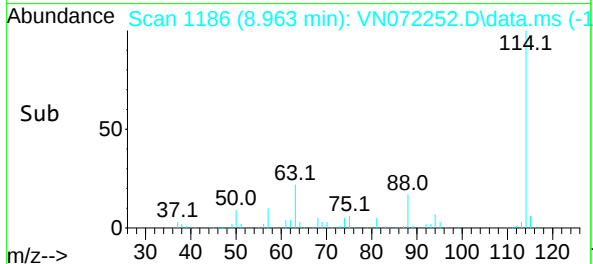
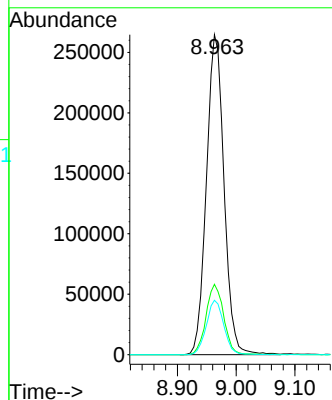
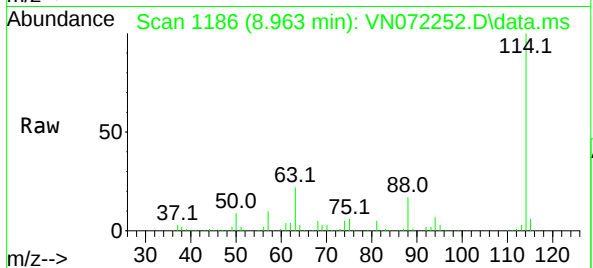
Tgt Ion:114 Resp: 550182

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.927 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

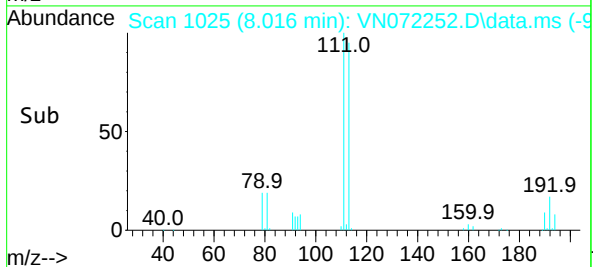
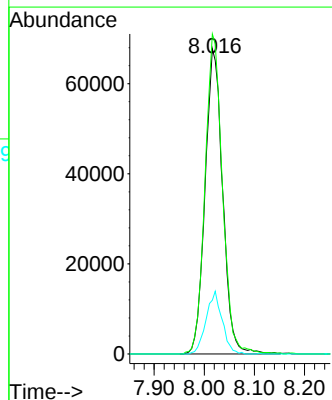
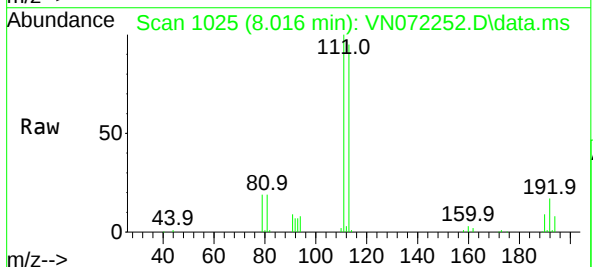
Tgt Ion:113 Resp: 165253

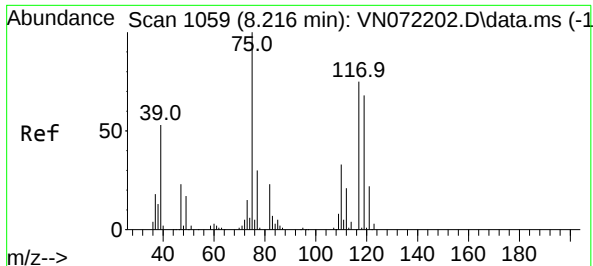
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 18.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

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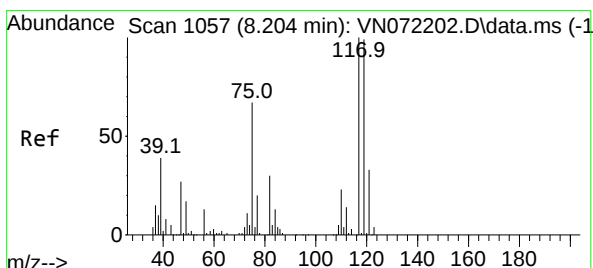
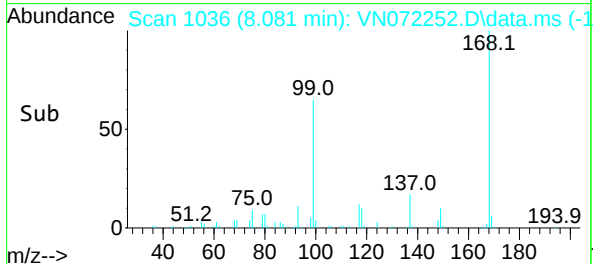
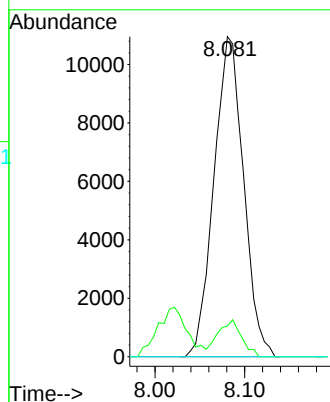
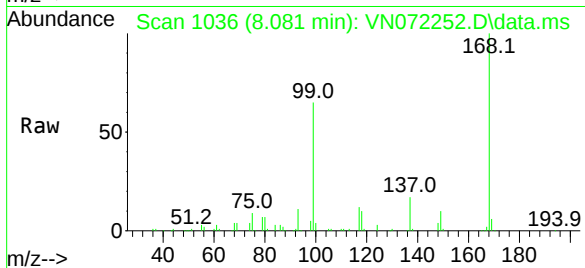
Tgt Ion: 75 Resp: 25080

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.789 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

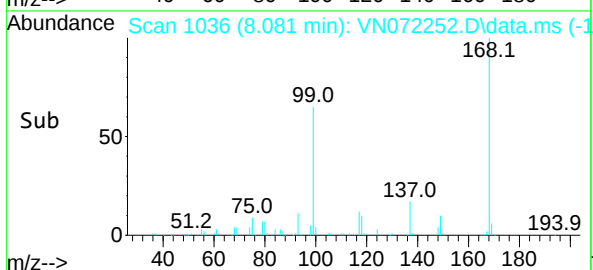
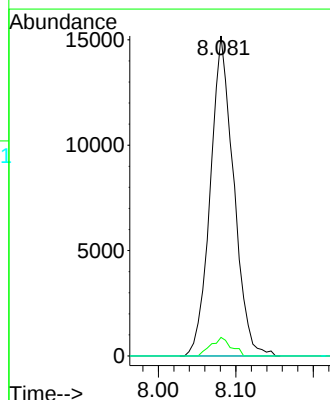
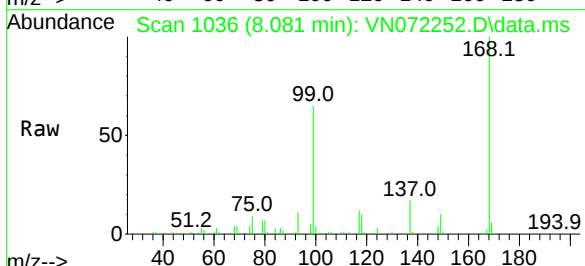
Tgt Ion: 117 Resp: 31781

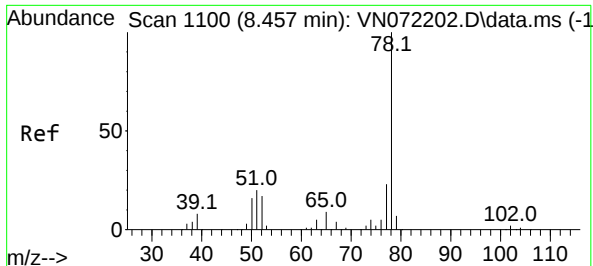
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.8#

121 0.0 24.6 37.0#





#40

Benzene

Concen: 0.217 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

Instrument :

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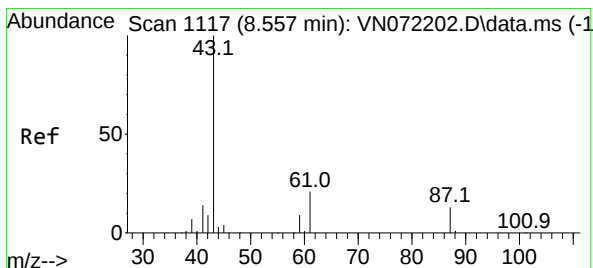
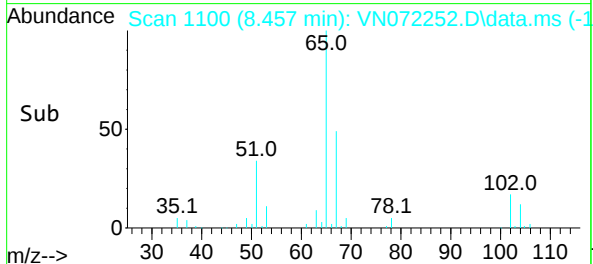
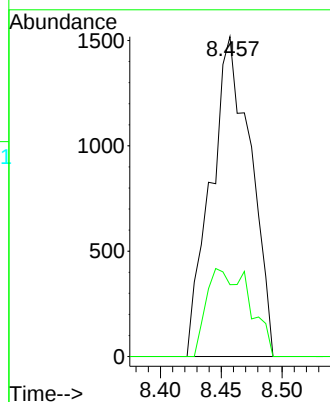
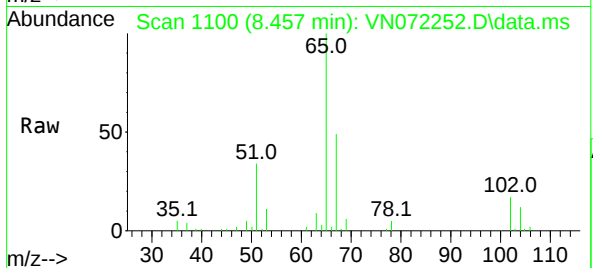
MW-17

Tgt Ion: 78 Resp: 3456

Ion Ratio Lower Upper

78 100

77 22.5 19.4 29.0



#43

Isopropyl Acetate

Concen: 1.428 ug/l

RT: 8.622 min Scan# 1128

Delta R.T. 0.065 min

Lab File: VN072252.D

Acq: 28 Apr 2022 21:00

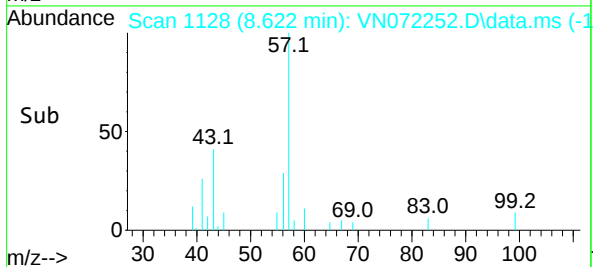
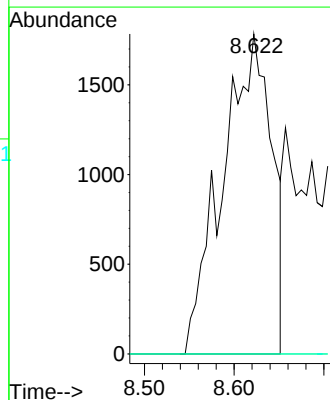
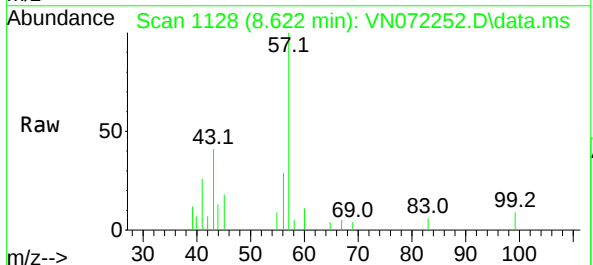
Tgt Ion: 43 Resp: 6805

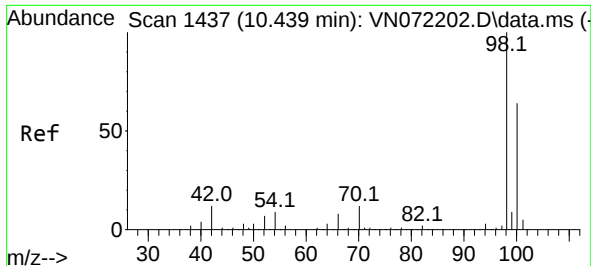
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

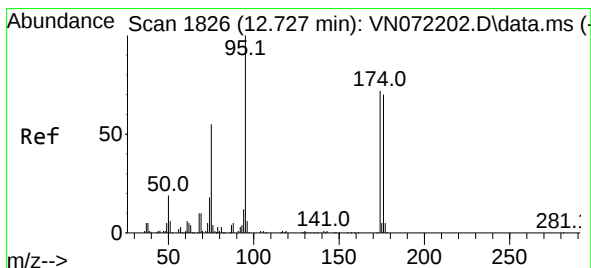
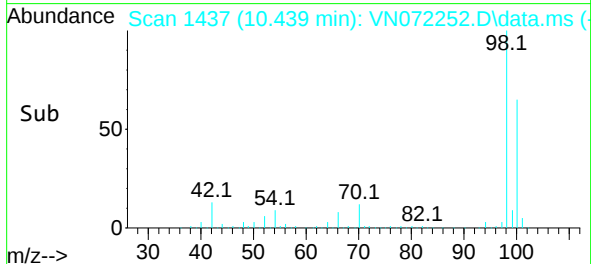
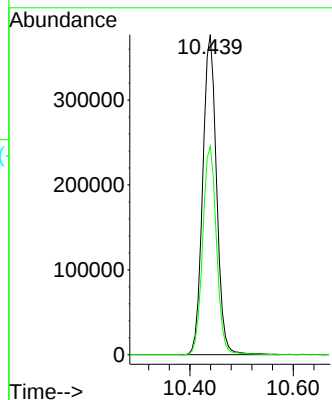
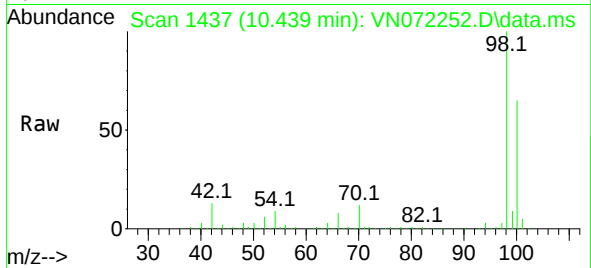




#50
Toluene-d8
Concen: 50.455 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

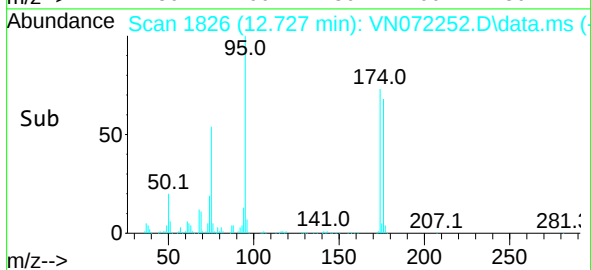
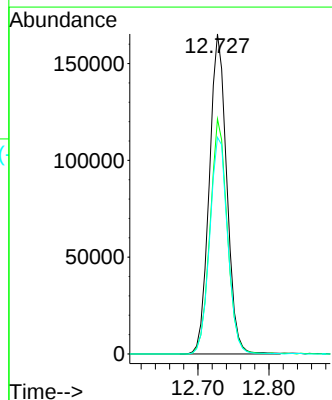
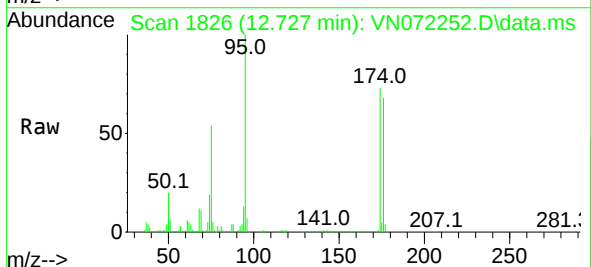
Instrument :
MSVOA_N
ClientSampleId :
MW-17

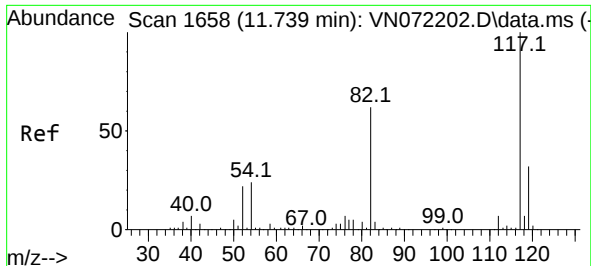
Tgt Ion: 98 Resp: 698160
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 61.418 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion: 95 Resp: 282083
Ion Ratio Lower Upper
95 100
174 72.2 0.0 167.6
176 69.5 0.0 163.4

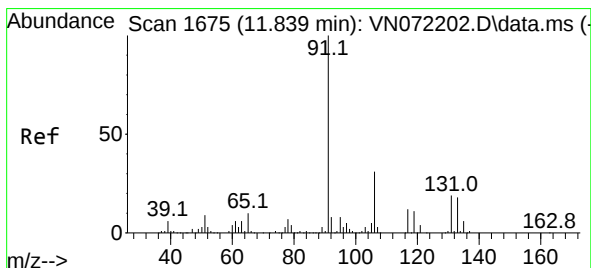
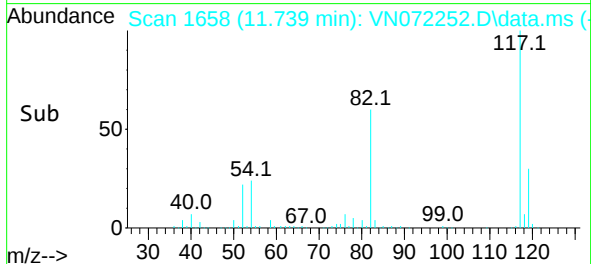
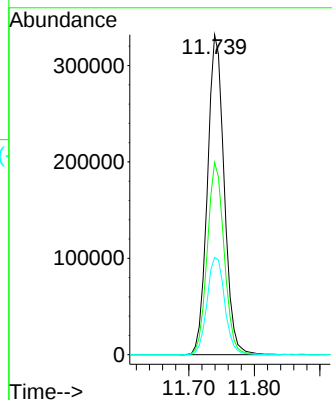
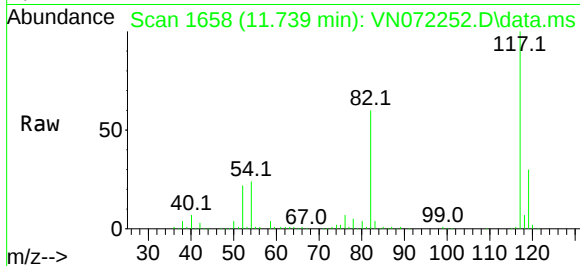




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

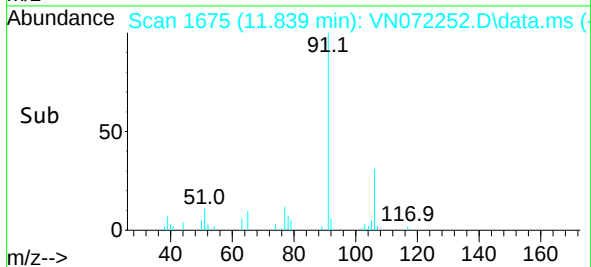
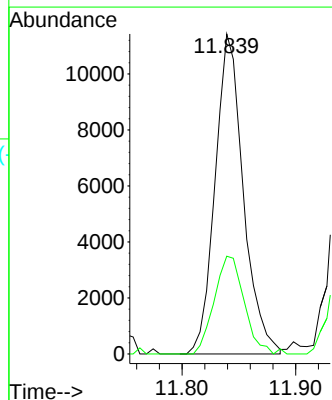
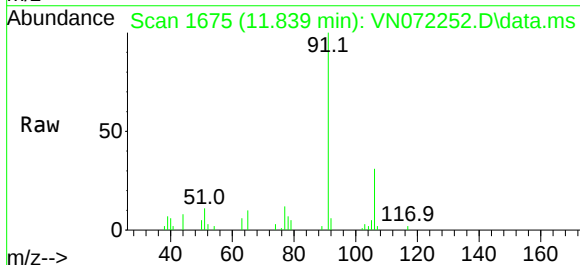
Instrument :
MSVOA_N
ClientSampleId :
MW-17

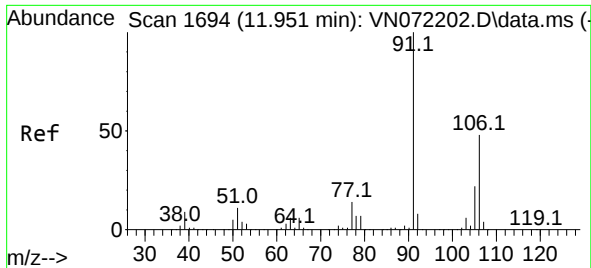
Tgt Ion:117 Resp: 589173
Ion Ratio Lower Upper
117 100
82 60.1 44.2 66.2
119 30.4 25.4 38.0



#67
Ethyl Benzene
Concen: 0.949 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion: 91 Resp: 19710
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

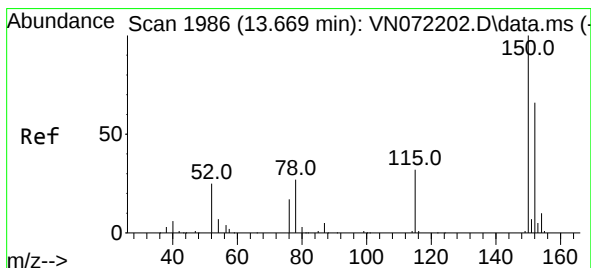
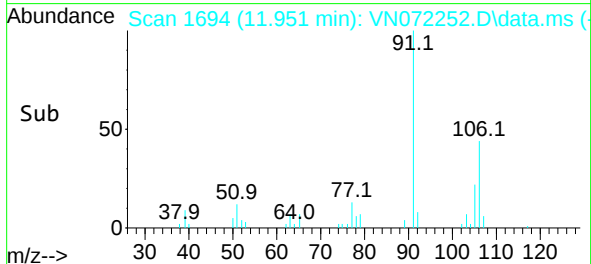
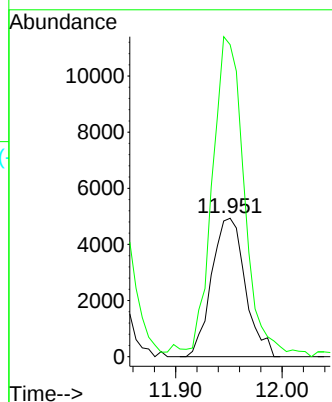
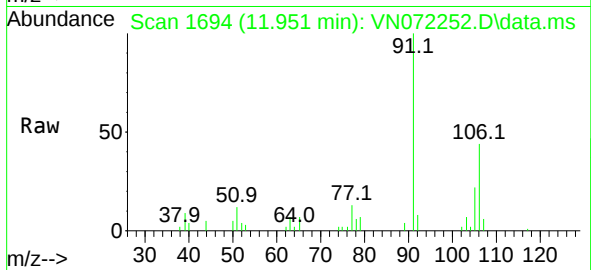




#68
m/p-Xylenes
Concen: 1.402 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

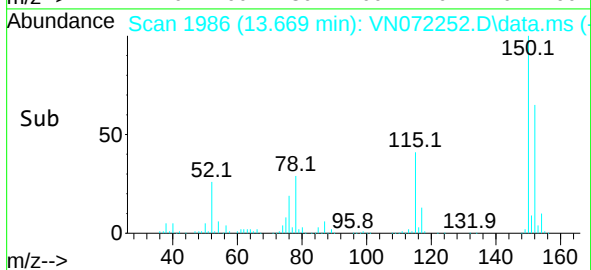
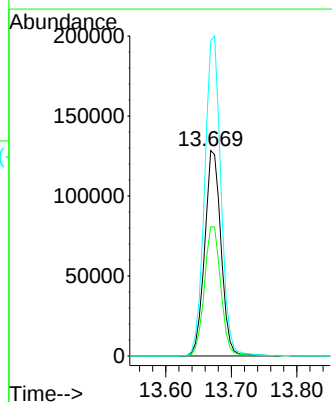
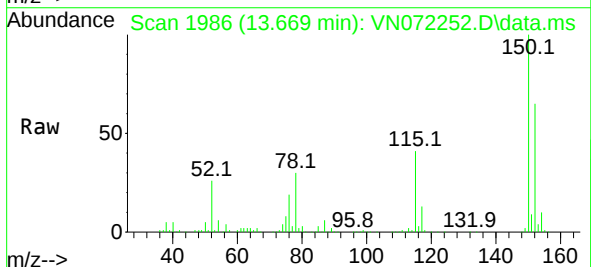
Instrument :
MSVOA_N
ClientSampleId :
MW-17

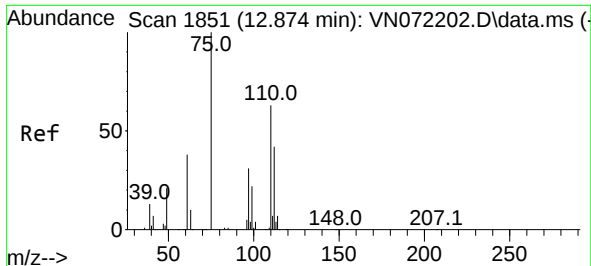
Tgt Ion:106 Resp: 10812
Ion Ratio Lower Upper
106 100
91 220.2 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion:152 Resp: 222864
Ion Ratio Lower Upper
152 100
115 63.6 28.9 86.7
150 155.3 0.0 356.2

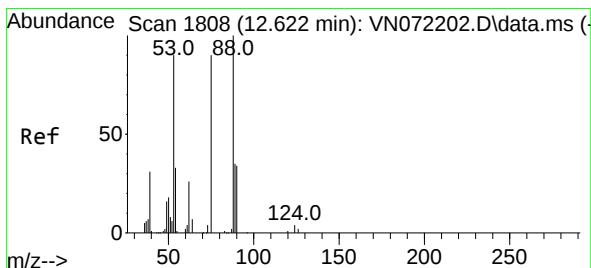
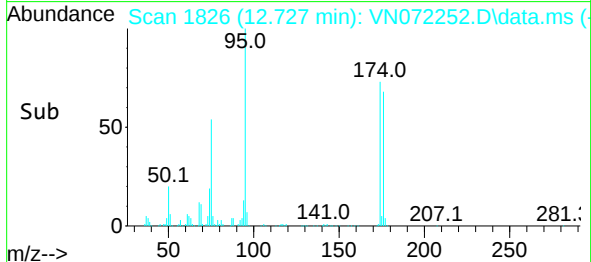
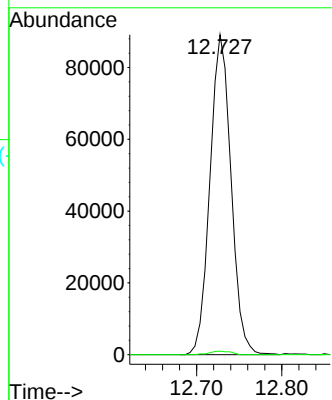
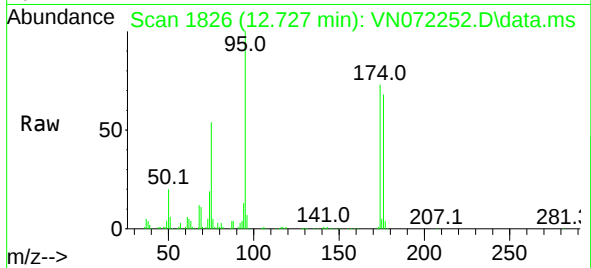




#76
1,2,3-Trichloropropane
Concen: 30.620 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

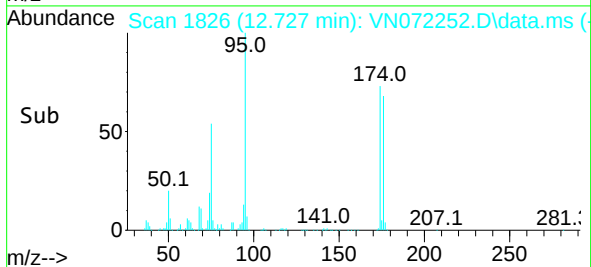
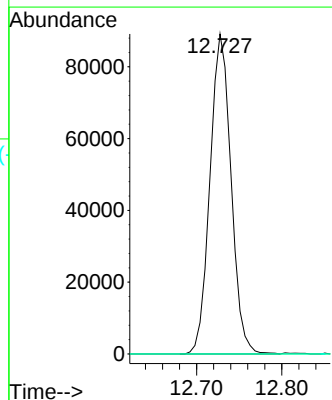
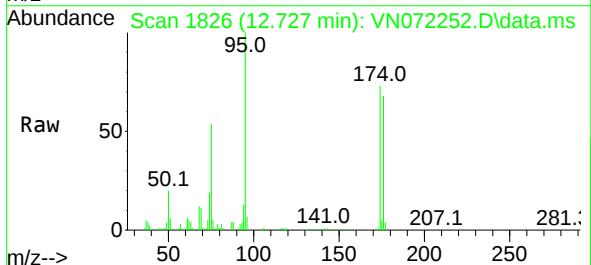
Instrument :
MSVOA_N
ClientSampleId :
MW-17

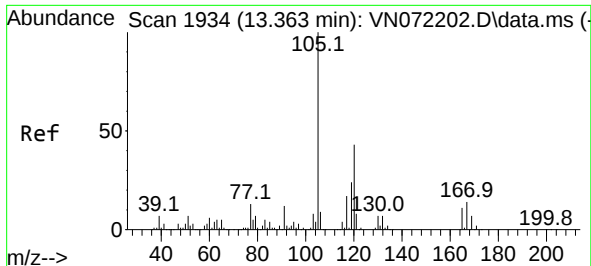
Tgt Ion: 75 Resp: 153295
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.533 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion: 75 Resp: 153295
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

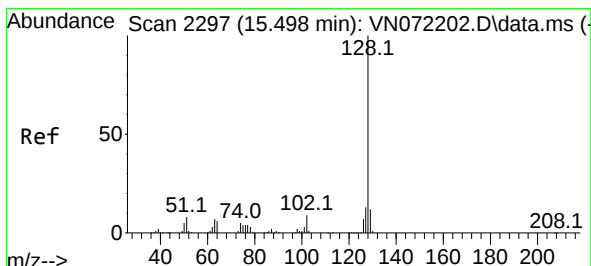
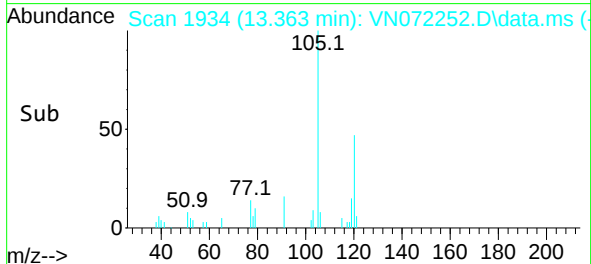
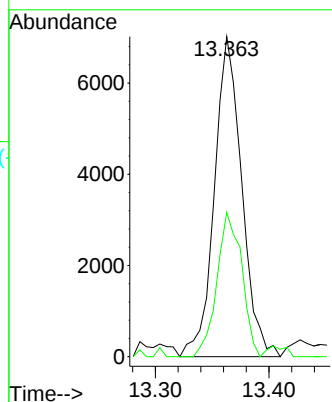
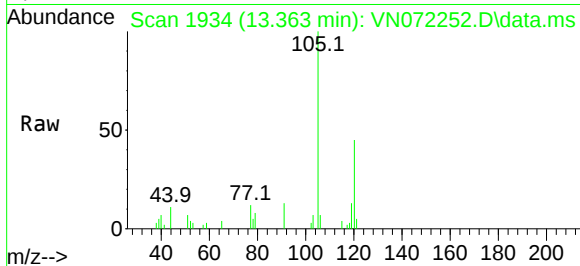




#84
1,2,4-Trimethylbenzene
Concen: 0.740 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Instrument :
MSVOA_N
ClientSampleId :
MW-17

Tgt Ion:105 Resp: 11729
Ion Ratio Lower Upper
105 100
120 40.8 23.3 69.8



#95
Naphthalene
Concen: 6.966 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072252.D
Acq: 28 Apr 2022 21:00

Tgt Ion:128 Resp: 33673
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.9 8.6 13.0

