

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072251.D
 Acq On : 28 Apr 2022 20:36
 Operator : JC\MD
 Sample : N2617-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Quant Time: Apr 29 06:37:41 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)

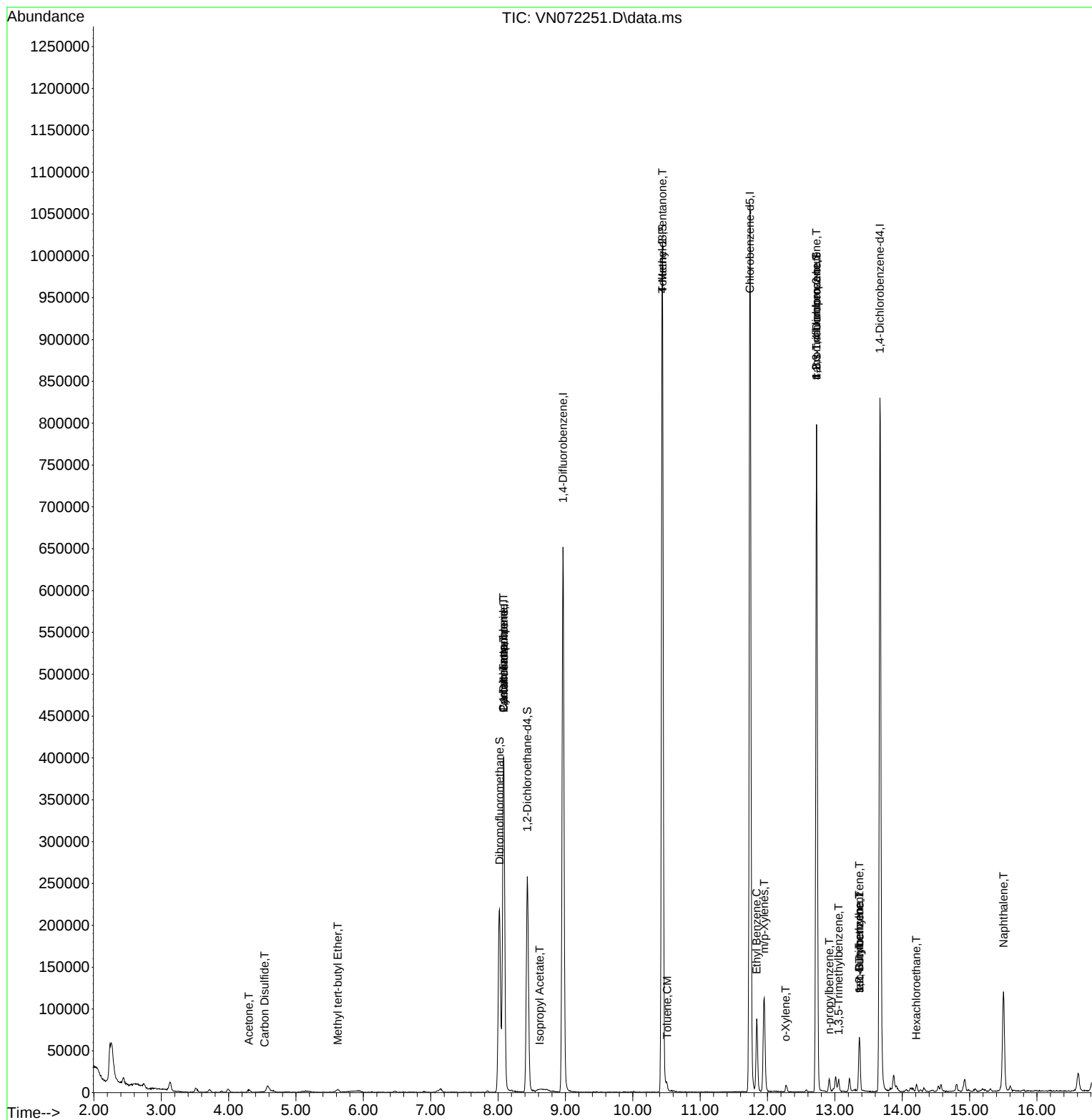
Internal Standards						
1) Pentafluorobenzene	8.087	168	294070	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	549715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	595008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	223053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	224081	49.634	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.260%
35) Dibromofluoromethane	8.022	113	163257	46.400	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.800%
50) Toluene-d8	10.439	98	705711	51.044	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.080%
62) 4-Bromofluorobenzene	12.727	95	278844	60.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	121.520%
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	1151	Below Cal	#	59
5) Bromomethane	2.840	94	68	Below Cal	#	2
6) Chloroethane	3.228	64	433	Below Cal	#	42
16) Acetone	4.299	43	3772	1.938	ug/l	# 87
17) Carbon Disulfide	4.534	76	131	0.383	ug/l	# 75
19) Methyl tert-butyl Ether	5.622	73	2843	0.258	ug/l	# 28
31) Cyclohexane	8.081	56	8004	1.327	ug/l	# 30
36) 1,1-Dichloropropene	8.081	75	24132	4.712	ug/l	# 50
38) Carbon Tetrachloride	8.081	117	31976	5.830	ug/l	# 17
43) Isopropyl Acetate	8.616	43	3454	1.119	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.439	43	3122	0.487	ug/l	# 1
52) Toluene	10.510	92	2773	0.292	ug/l	98
67) Ethyl Benzene	11.839	91	63481	3.028	ug/l	95
68) m/p-Xylenes	11.951	106	37890	4.867	ug/l	90
69) o-Xylene	12.269	106	2353	0.312	ug/l	62
76) 1,2,3-Trichloropropane	12.727	75	152387	30.415	ug/l	# 1
78) n-propylbenzene	12.916	91	12504	0.576	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	6215	0.379	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.727	75	152387	78.994	ug/l	# 10
83) tert-Butylbenzene	13.363	119	4828	0.335	ug/l	# 47
84) 1,2,4-Trimethylbenzene	13.363	105	39684	2.500	ug/l	95
85) sec-Butylbenzene	13.363	105	39684	2.113	ug/l	# 56
90) Hexachloroethane	14.210	117	1109	0.349	ug/l	# 9
95) Naphthalene	15.504	128	127789	14.409	ug/l	99

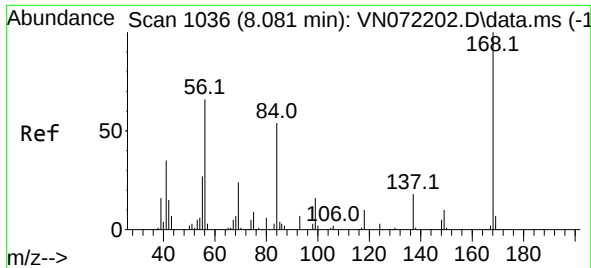
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
Data File : VN072251.D
Acq On : 28 Apr 2022 20:36
Operator : JC\MD
Sample : N2617-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Quant Time: Apr 29 06:37:41 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

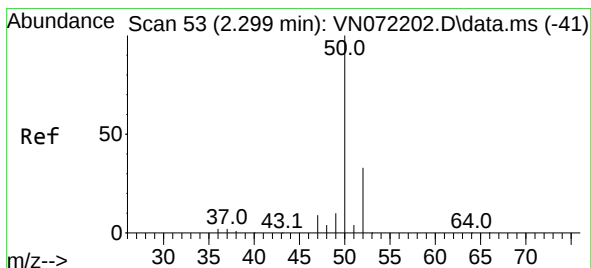
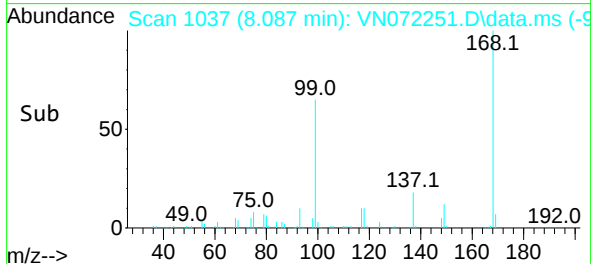
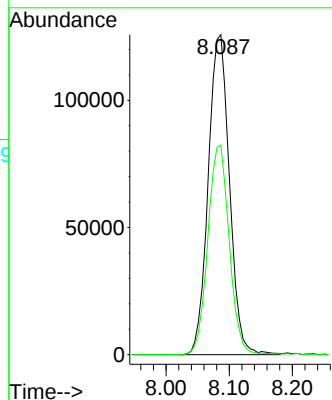
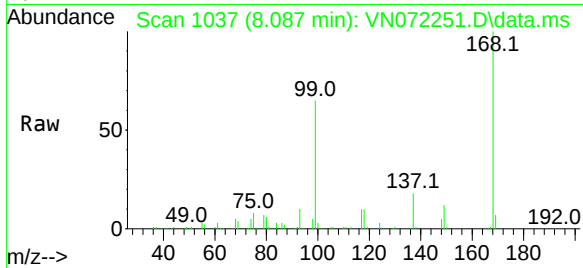




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

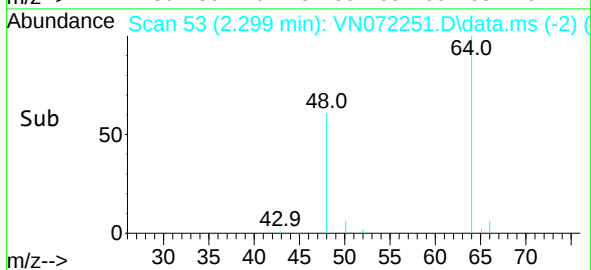
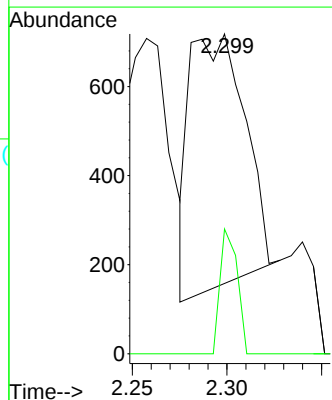
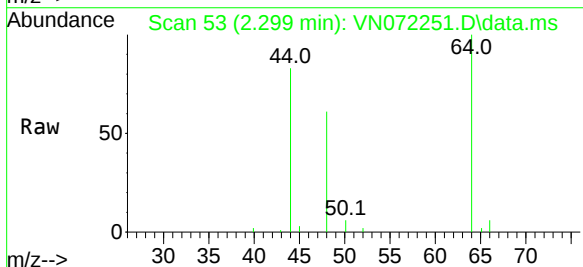
Instrument :
MSVOA_N
ClientSampleId :
MW-16

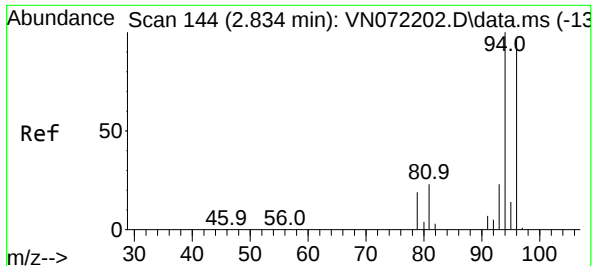
Tgt Ion:168 Resp: 294070
Ion Ratio Lower Upper
168 100
99 65.5 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion: 50 Resp: 1151
Ion Ratio Lower Upper
50 100
52 55.1 25.7 38.5#

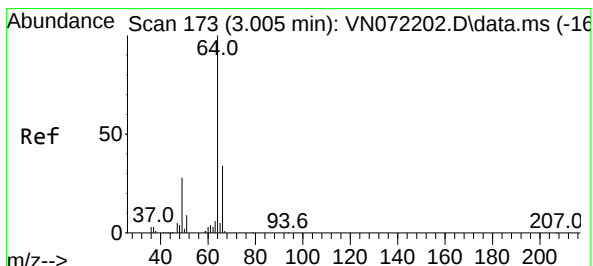
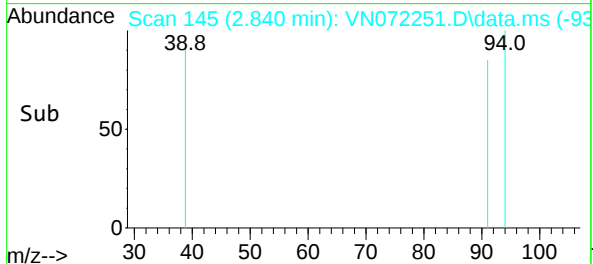
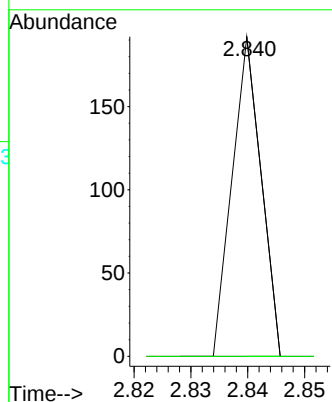
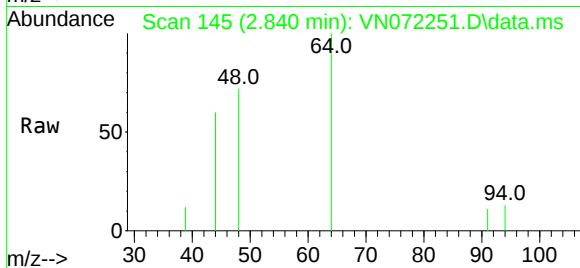




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 144
Delta R.T. 0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

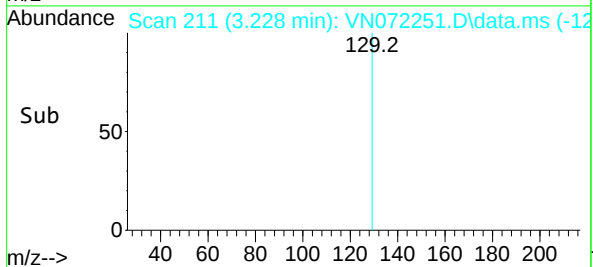
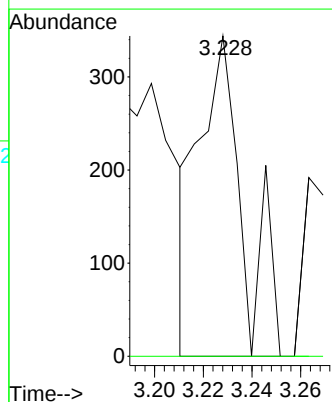
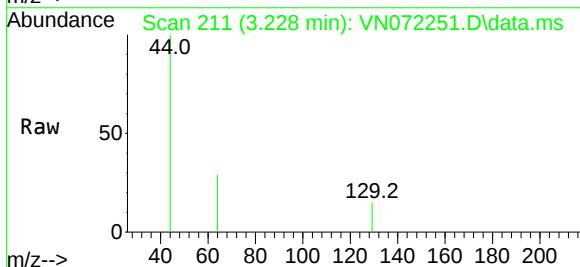
Instrument :
MSVOA_N
ClientSampleId :
MW-16

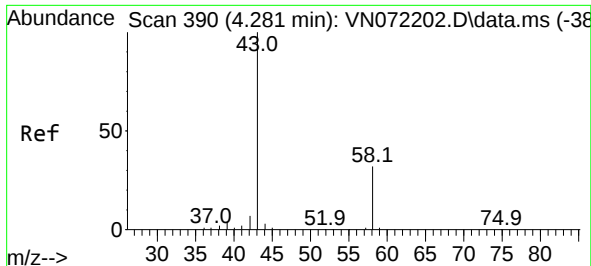
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.228 min Scan# 211
Delta R.T. 0.223 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion: 64 Resp: 433
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#16

Acetone

Concen: 1.938 ug/l

RT: 4.299 min Scan# 390

Delta R.T. 0.018 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

Instrument :

MSVOA_N

ClientSampleId :

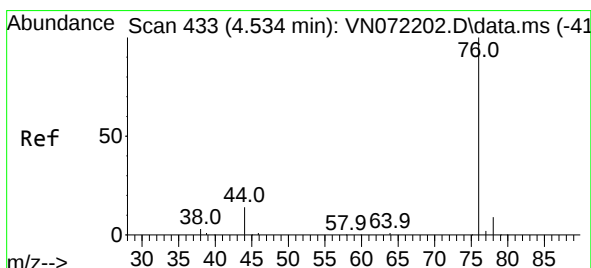
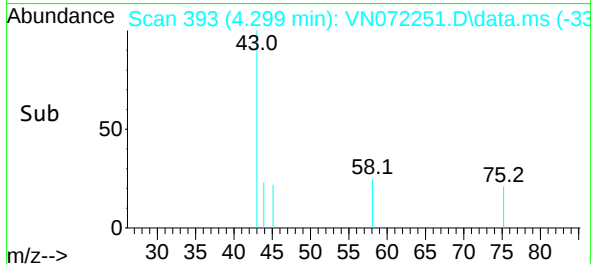
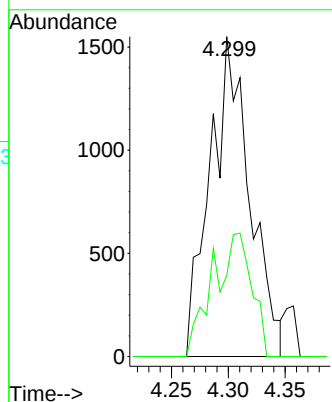
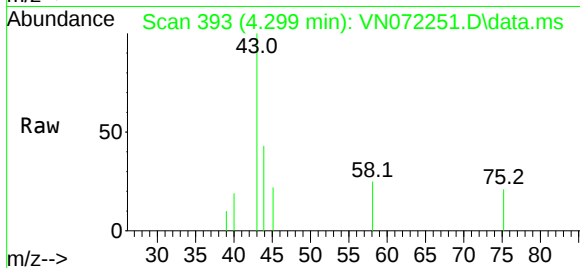
MW-16

Tgt Ion: 43 Resp: 3772

Ion Ratio Lower Upper

43 100

58 25.4 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.383 ug/l

RT: 4.534 min Scan# 433

Delta R.T. -0.000 min

Lab File: VN072251.D

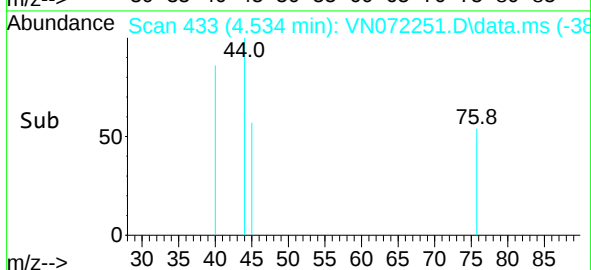
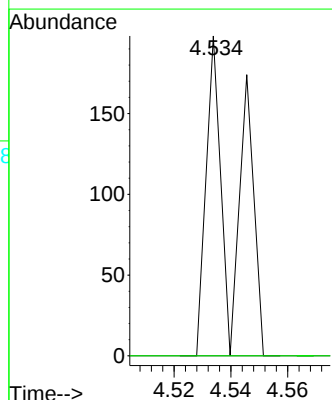
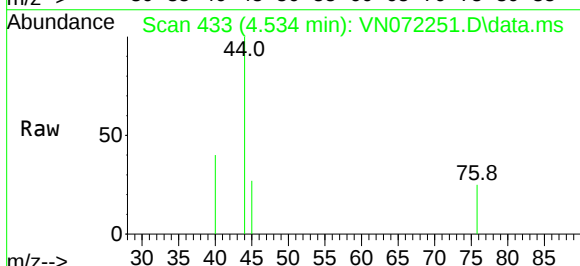
Acq: 28 Apr 2022 20:36

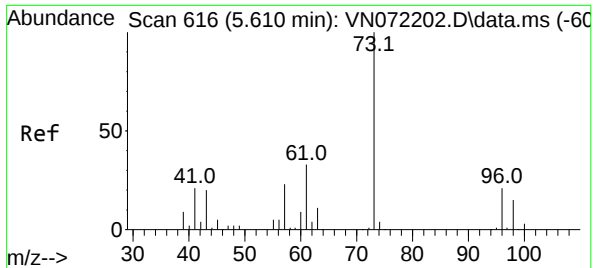
Tgt Ion: 76 Resp: 131

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#19

Methyl tert-butyl Ether

Concen: 0.258 ug/l

RT: 5.622 min Scan# 616

Delta R.T. 0.012 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

Instrument :

MSVOA_N

ClientSampleId :

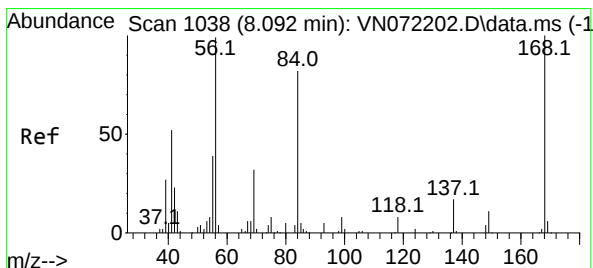
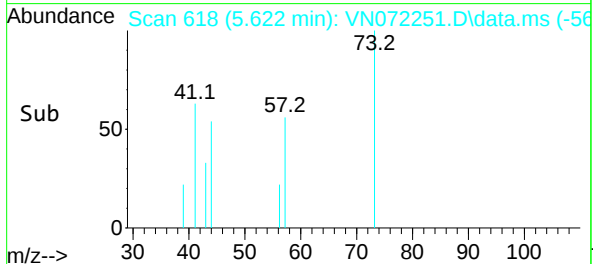
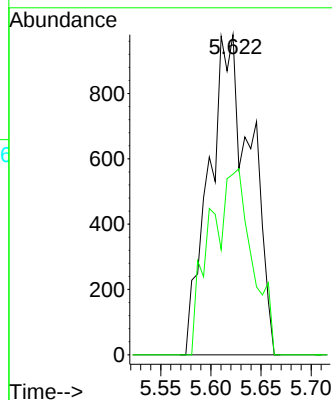
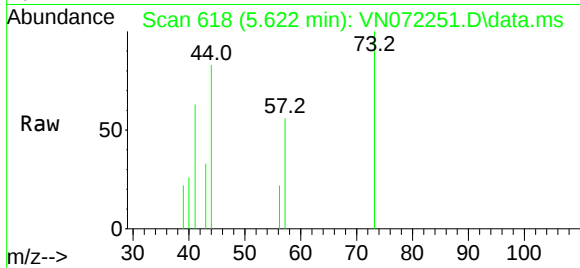
MW-16

Tgt Ion: 73 Resp: 2843

Ion Ratio Lower Upper

73 100

57 56.4 17.6 26.4#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

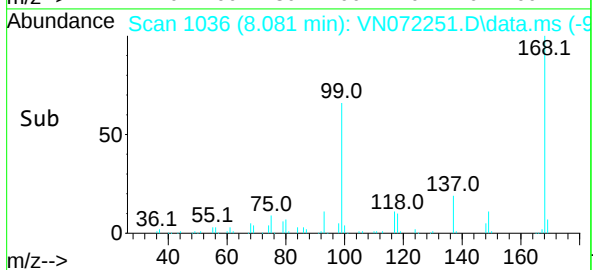
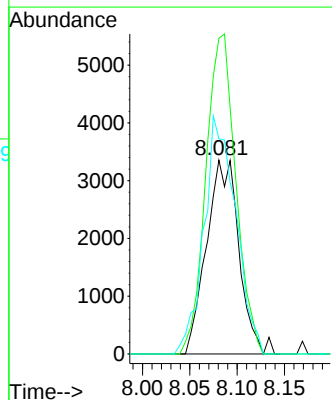
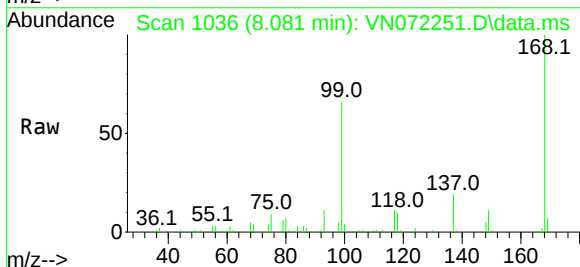
Tgt Ion: 56 Resp: 8004

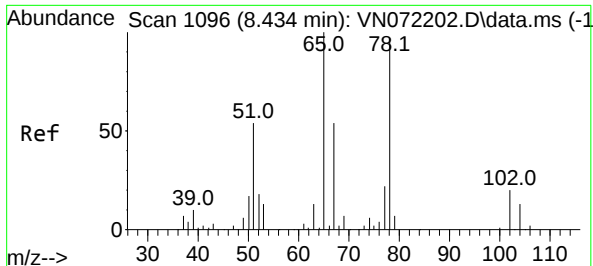
Ion Ratio Lower Upper

56 100

69 162.9 27.8 41.8#

84 111.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 49.634 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

Instrument :

MSVOA_N

ClientSampleId :

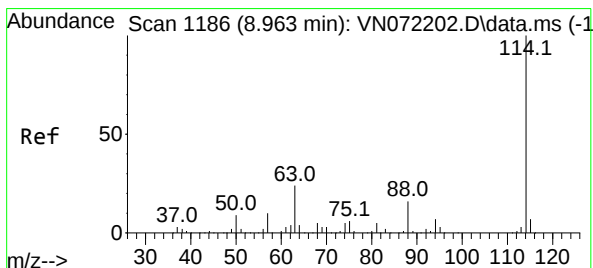
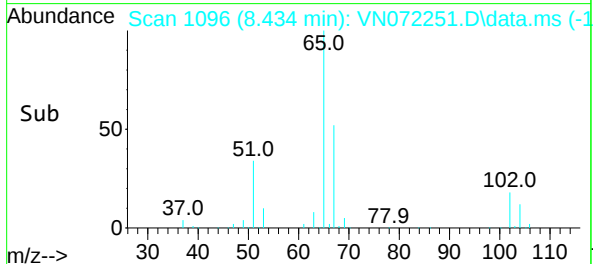
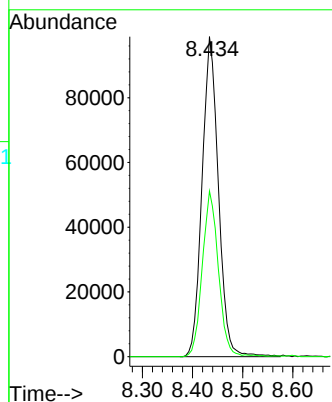
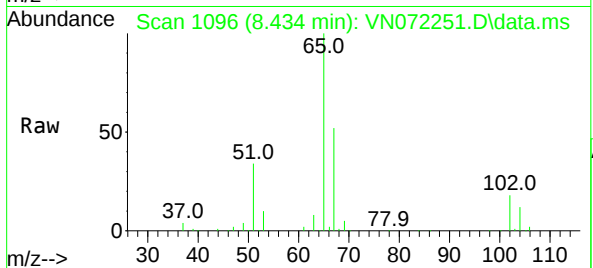
MW-16

Tgt Ion: 65 Resp: 224081

Ion Ratio Lower Upper

65 100

67 51.1 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: VN072251.D

Acq: 28 Apr 2022 20:36

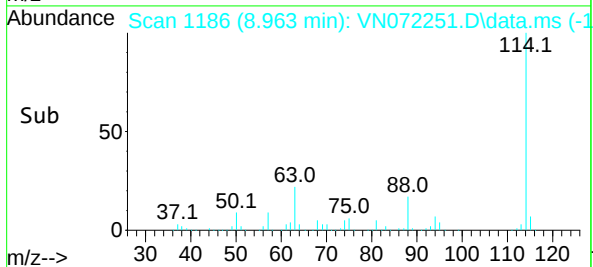
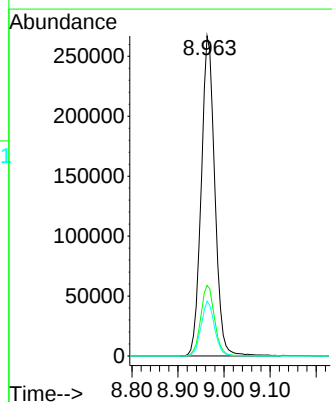
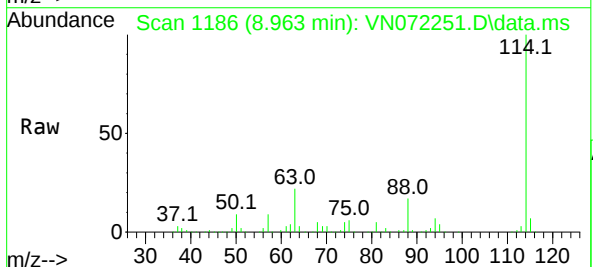
Tgt Ion: 114 Resp: 549715

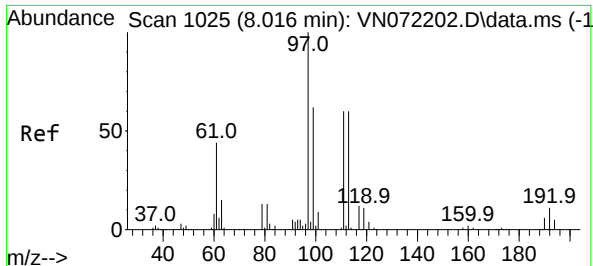
Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 17.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.400 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

Instrument :

MSVOA_N

ClientSampleId :

MW-16

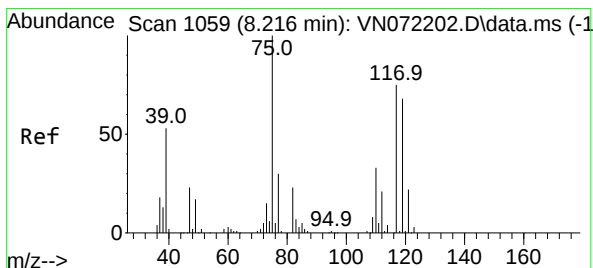
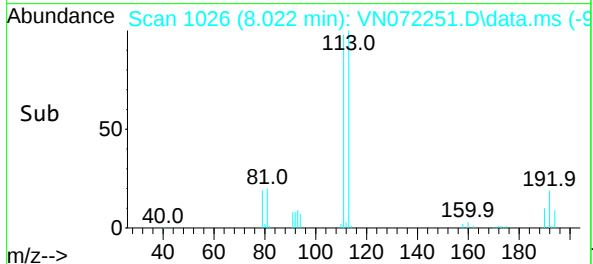
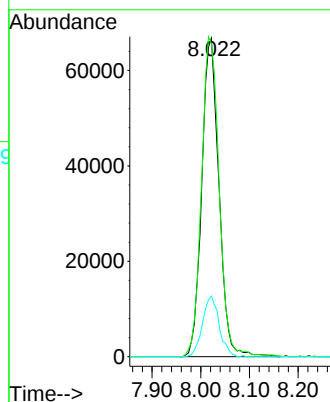
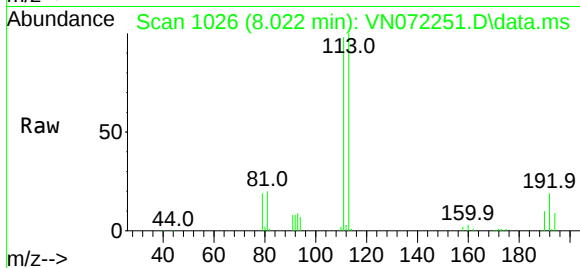
Tgt Ion:113 Resp: 163257

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 18.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

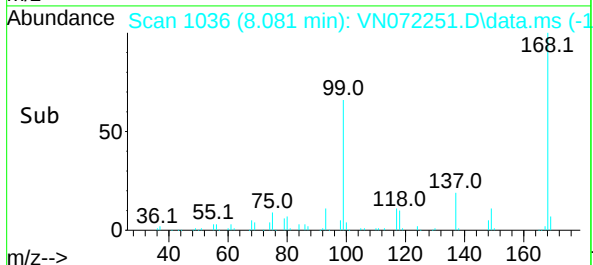
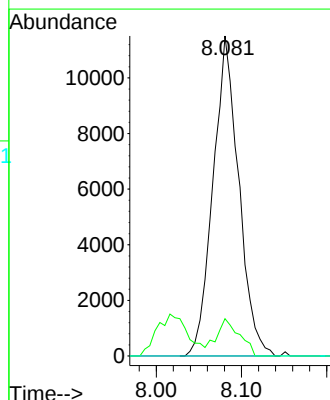
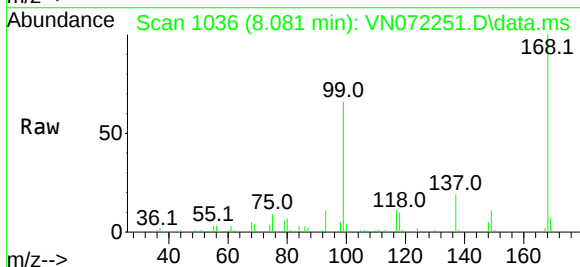
Tgt Ion: 75 Resp: 24132

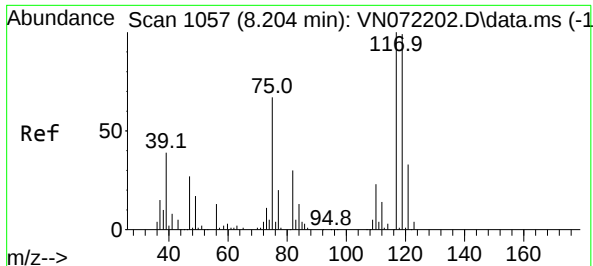
Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

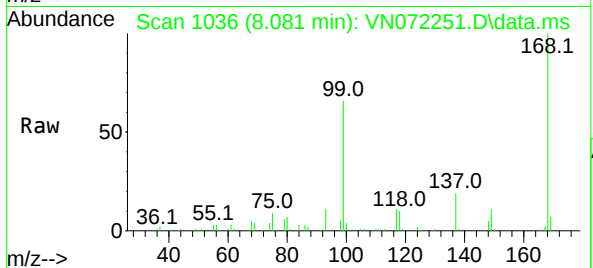
77 0.0 25.1 37.7#



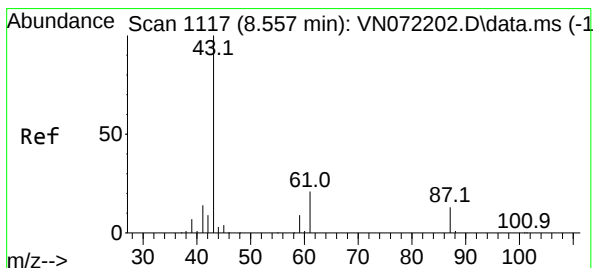
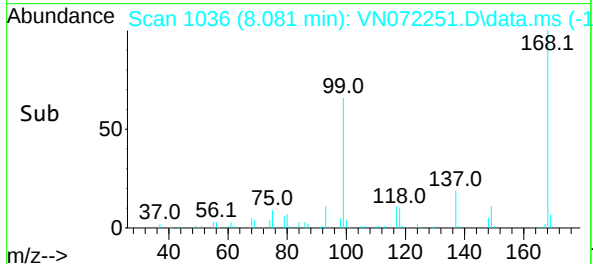
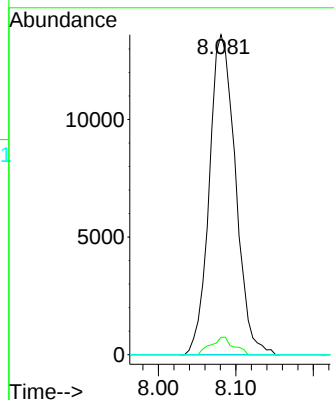


#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Instrument :
MSVOA_N
ClientSampleId :
MW-16

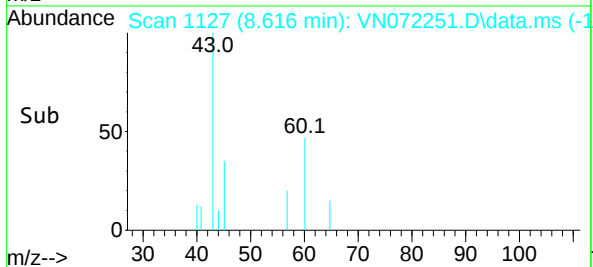
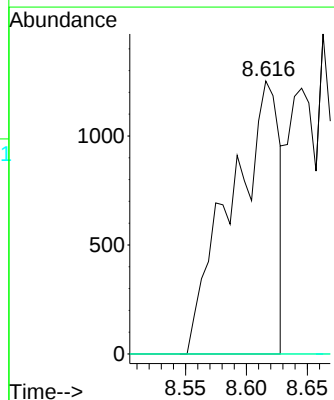
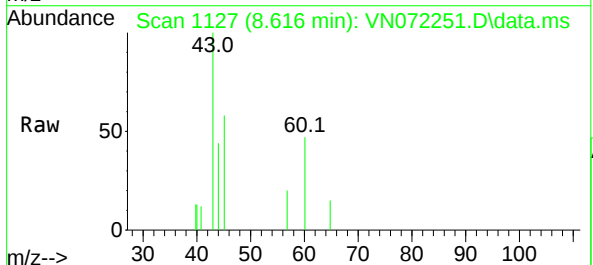


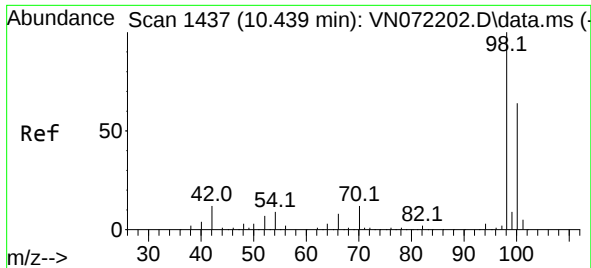
Tgt Ion:117 Resp: 31976
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.119 ug/l
RT: 8.616 min Scan# 1127
Delta R.T. 0.059 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion: 43 Resp: 3454
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

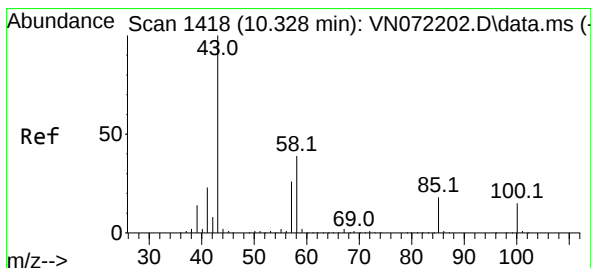
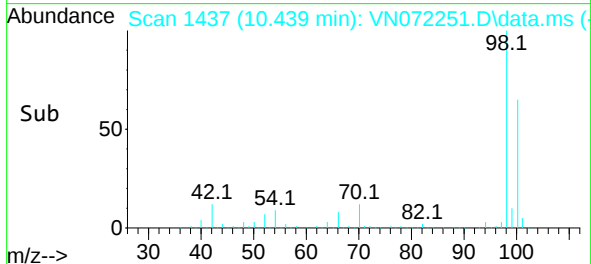
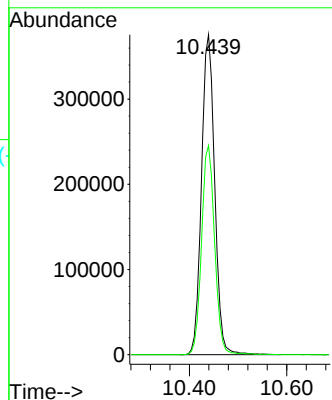
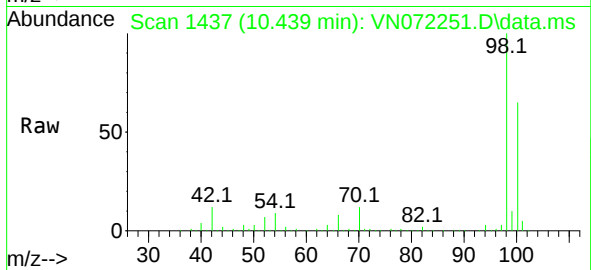




#50
Toluene-d8
Concen: 51.044 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

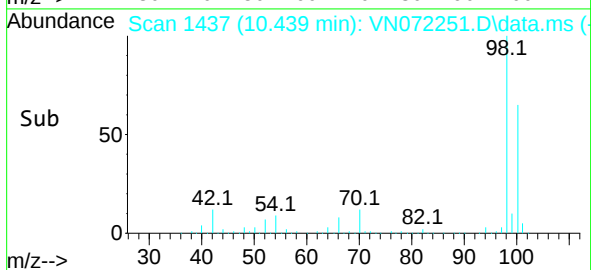
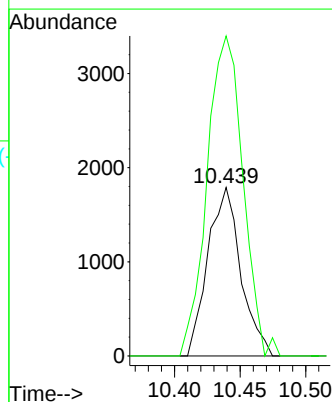
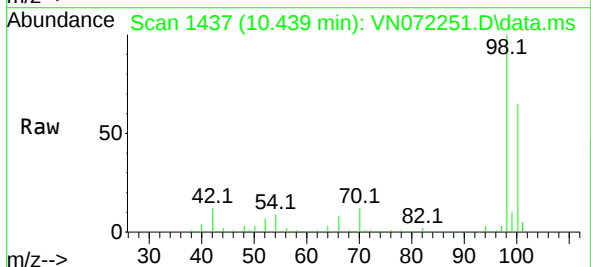
Instrument :
MSVOA_N
ClientSampleId :
MW-16

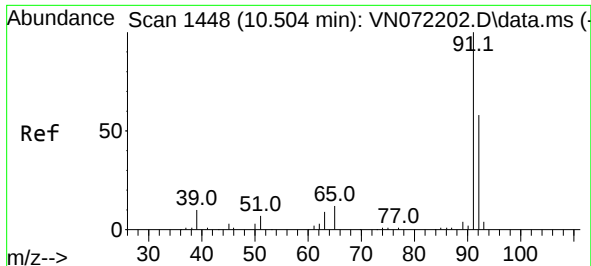
Tgt Ion: 98 Resp: 705711
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.487 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.111 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
58 207.0 34.1 51.1#

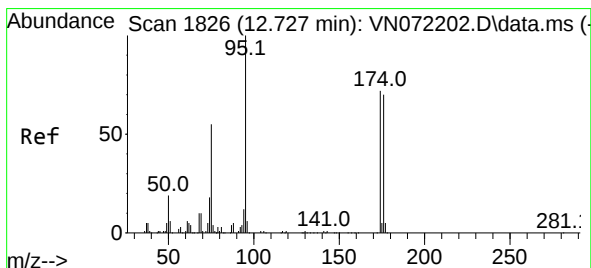
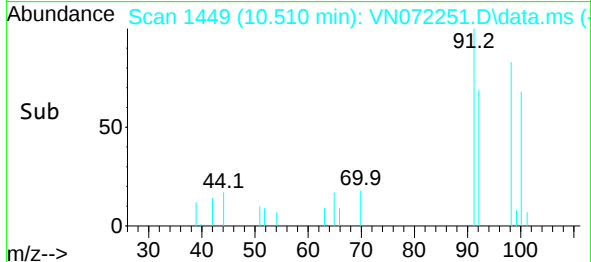
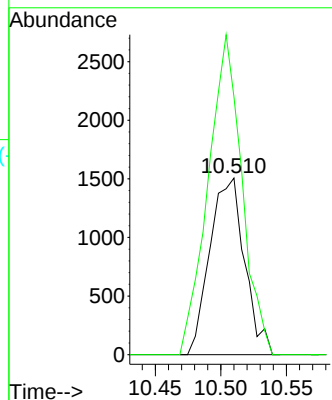
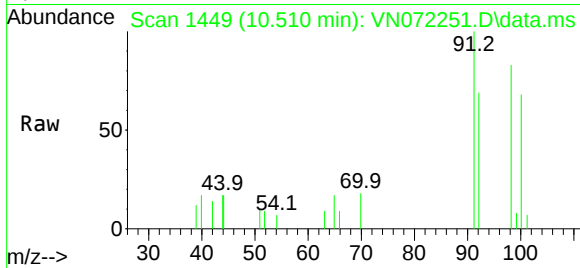




#52
Toluene
Concen: 0.292 ug/l
RT: 10.510 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

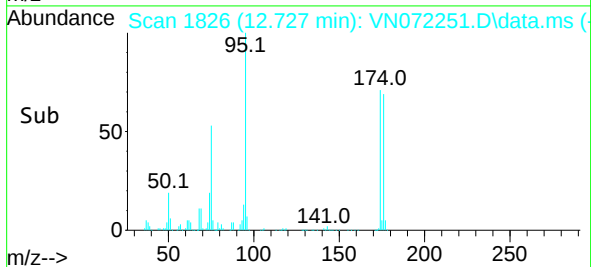
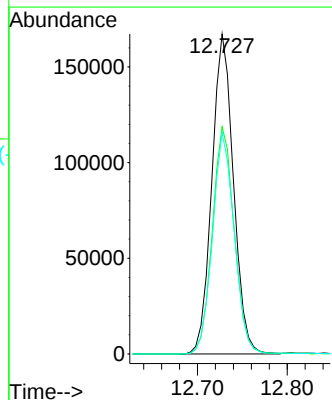
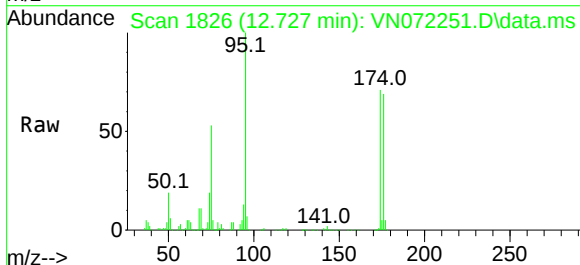
Instrument :
MSVOA_N
ClientSampleId :
MW-16

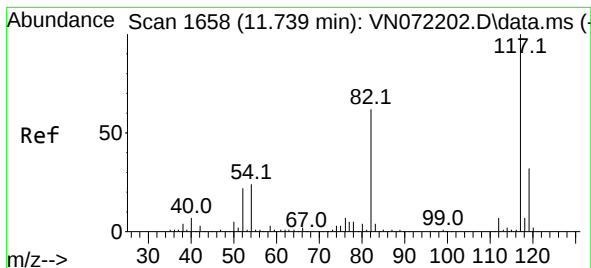
Tgt Ion: 92 Resp: 2773
Ion Ratio Lower Upper
92 100
91 176.4 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 60.764 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion: 95 Resp: 278844
Ion Ratio Lower Upper
95 100
174 72.1 0.0 167.6
176 69.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

Instrument :

MSVOA_N

ClientSampleId :

MW-16

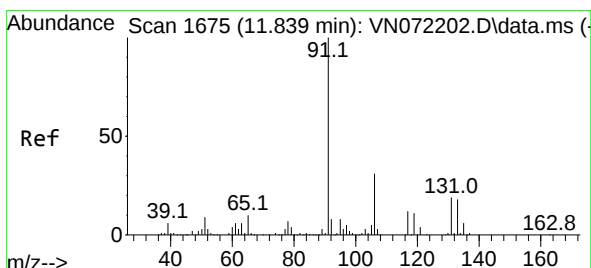
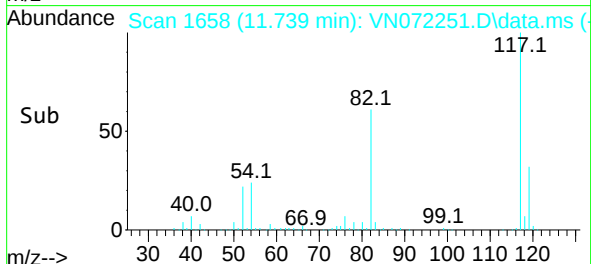
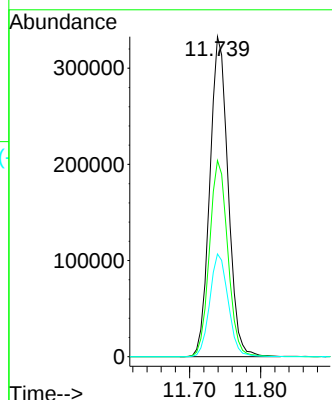
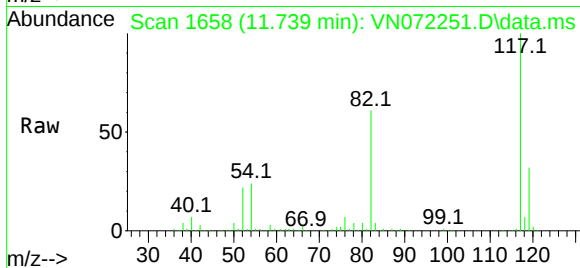
Tgt Ion:117 Resp: 595008

Ion Ratio Lower Upper

117 100

82 61.3 44.2 66.2

119 32.1 25.4 38.0



#67

Ethyl Benzene

Concen: 3.028 ug/l

RT: 11.839 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VN072251.D

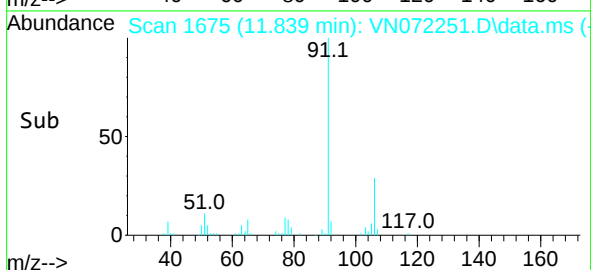
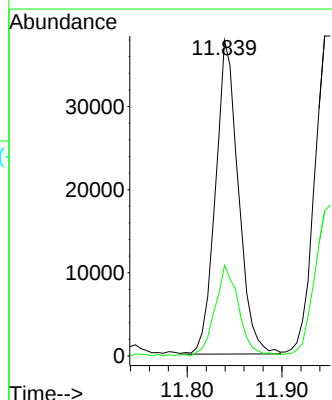
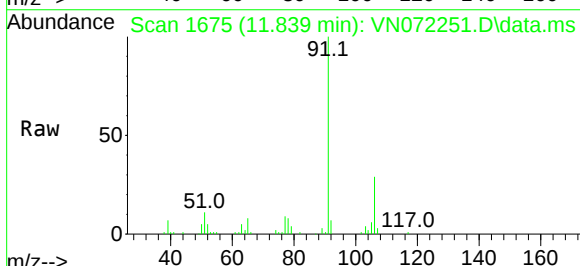
Acq: 28 Apr 2022 20:36

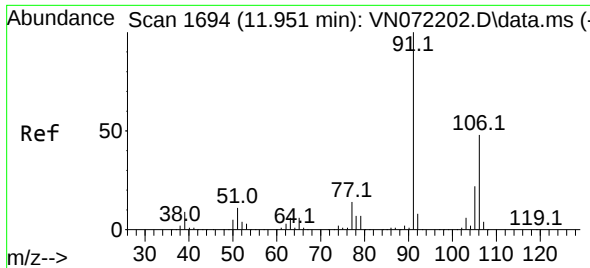
Tgt Ion: 91 Resp: 63481

Ion Ratio Lower Upper

91 100

106 28.5 24.9 37.3

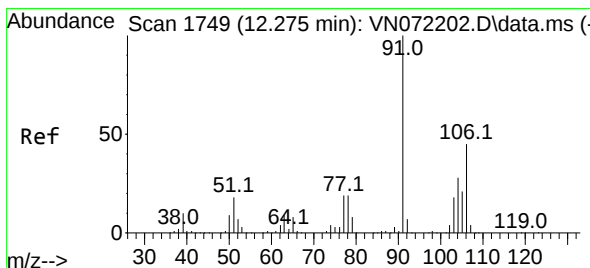
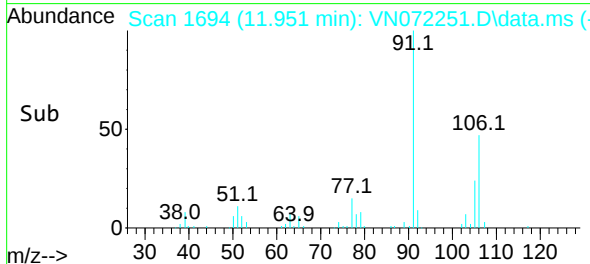
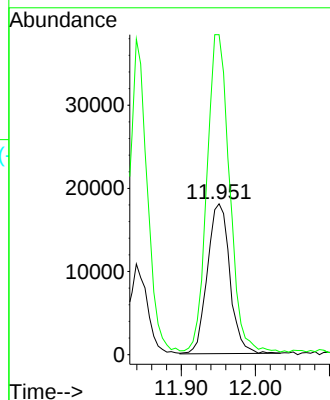
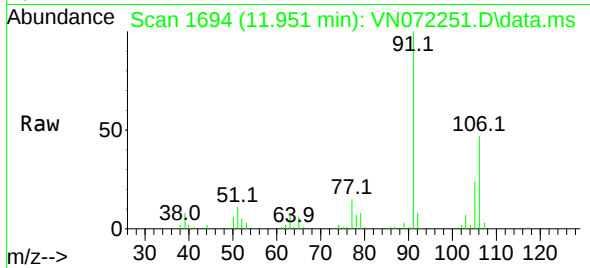




#68
m/p-Xylenes
Concen: 4.867 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

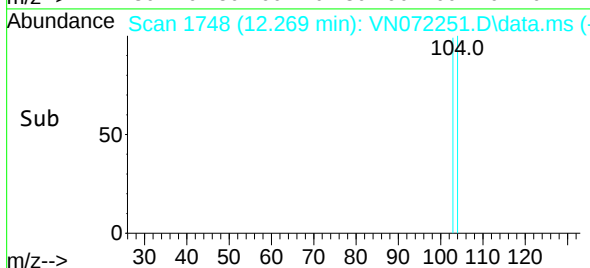
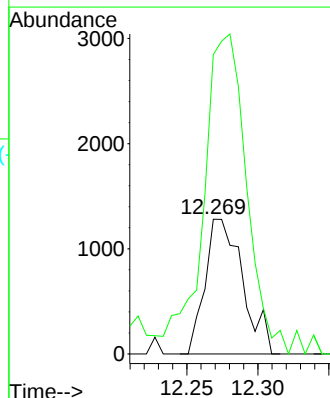
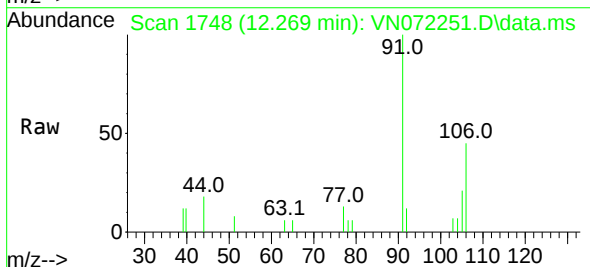
Instrument :
MSVOA_N
ClientSampleId :
MW-16

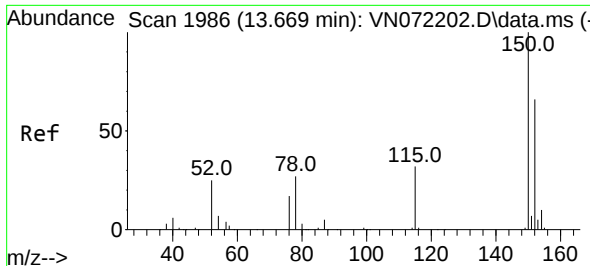
Tgt Ion:106 Resp: 37890
Ion Ratio Lower Upper
106 100
91 213.6 158.9 238.3



#69
o-Xylene
Concen: 0.312 ug/l
RT: 12.269 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion:106 Resp: 2353
Ion Ratio Lower Upper
106 100
91 271.1 106.0 318.0

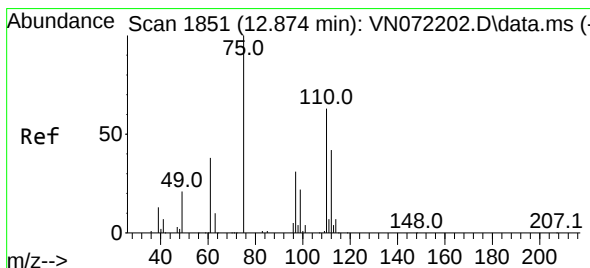
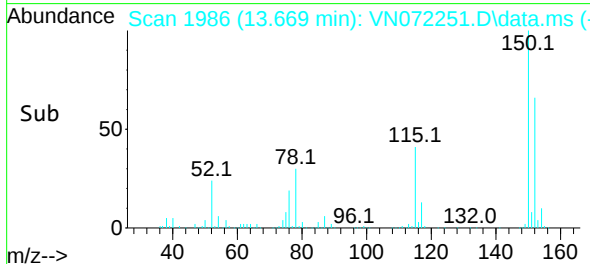
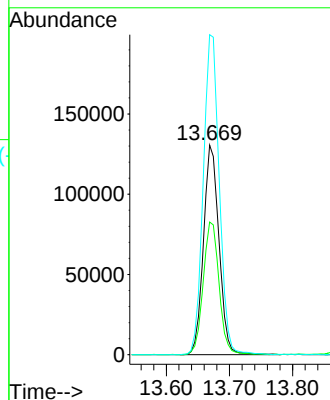
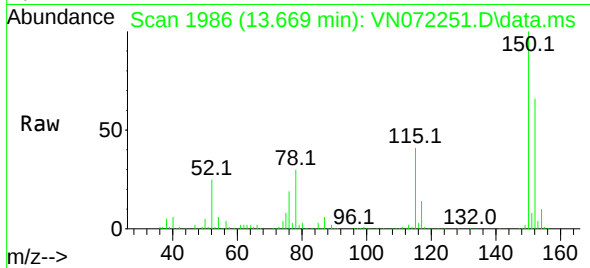




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN072251.D
 Acq: 28 Apr 2022 20:36

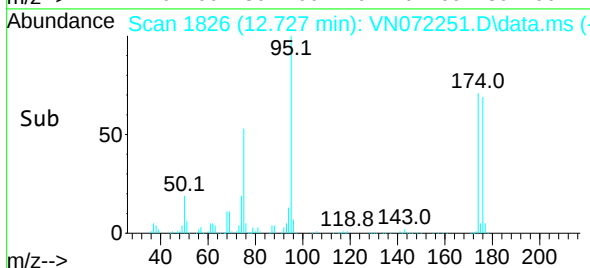
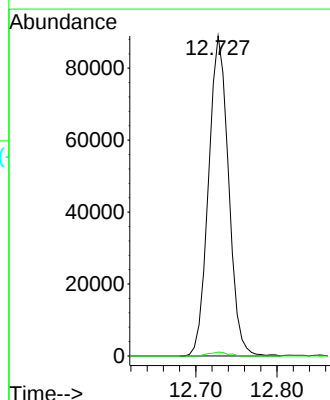
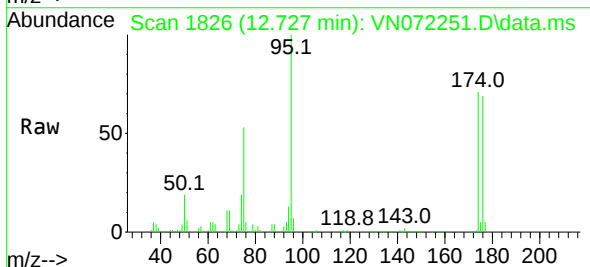
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

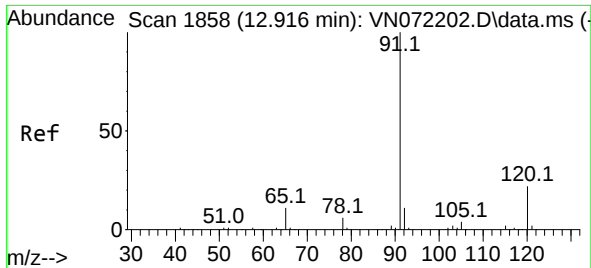
Tgt Ion:152 Resp: 223053
 Ion Ratio Lower Upper
 152 100
 115 64.8 28.9 86.7
 150 157.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 30.415 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072251.D
 Acq: 28 Apr 2022 20:36

Tgt Ion: 75 Resp: 152387
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

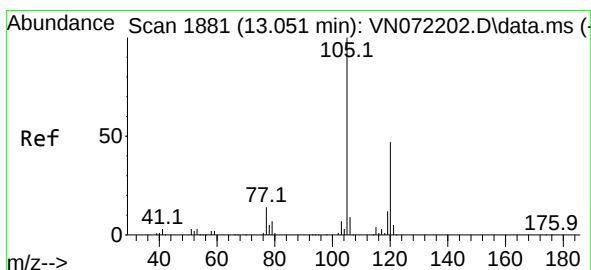
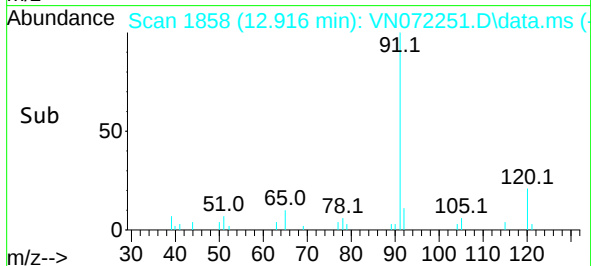
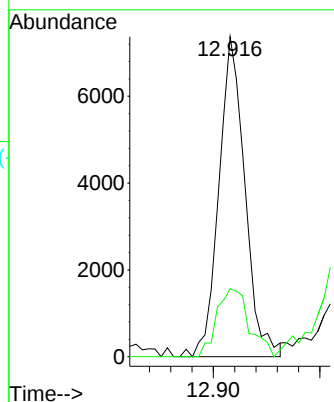
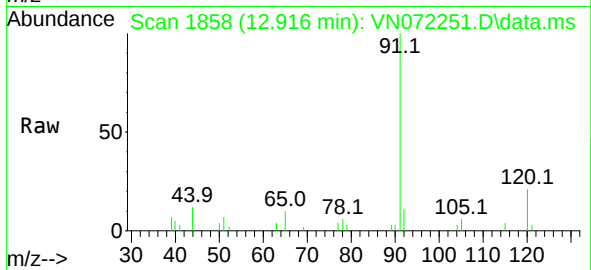




#78
n-propylbenzene
Concen: 0.576 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

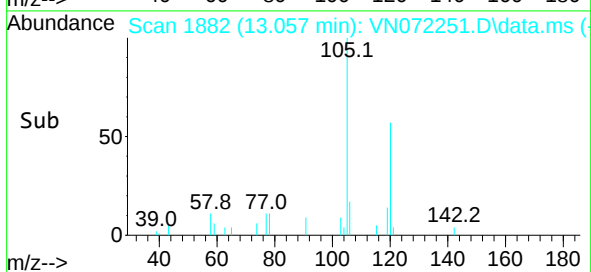
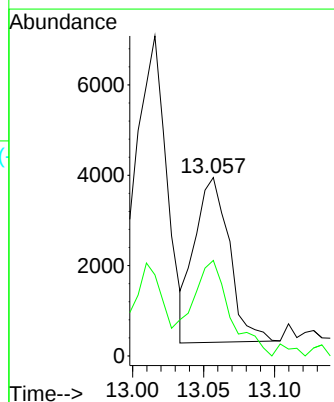
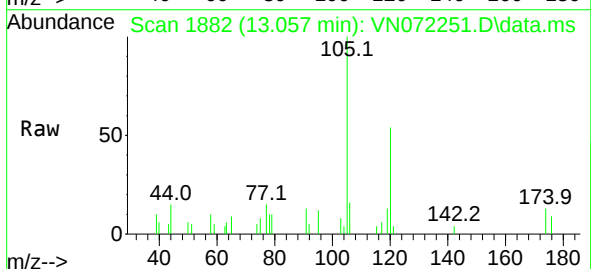
Instrument :
MSVOA_N
ClientSampleId :
MW-16

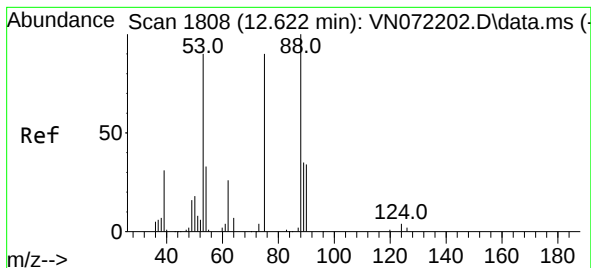
Tgt Ion: 91 Resp: 12504
Ion Ratio Lower Upper
91 100
120 26.4 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.379 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion: 105 Resp: 6215
Ion Ratio Lower Upper
105 100
120 64.2 24.9 74.7

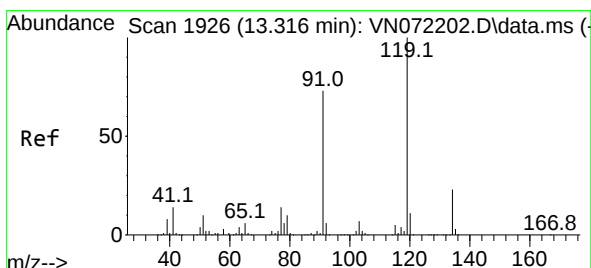
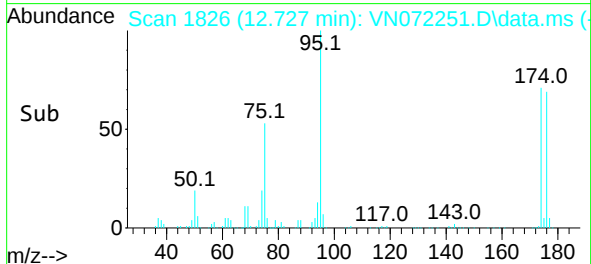
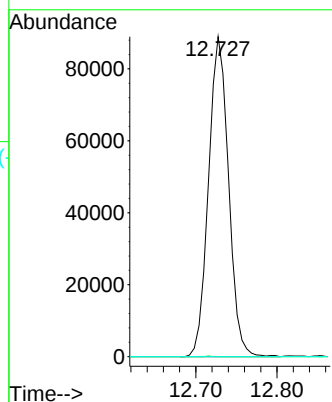
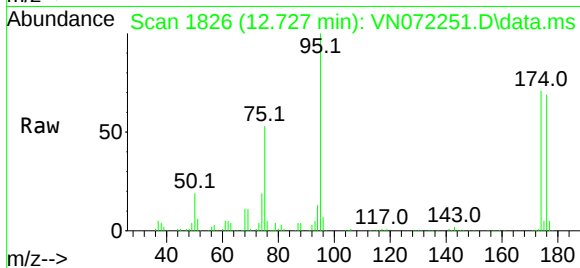




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.994 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072251.D
 Acq: 28 Apr 2022 20:36

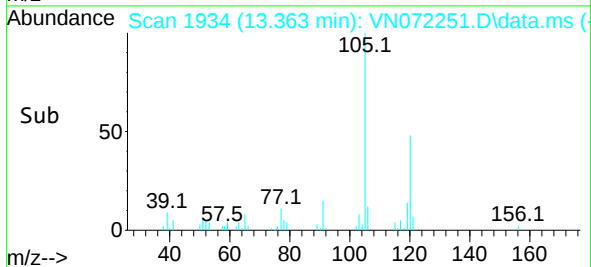
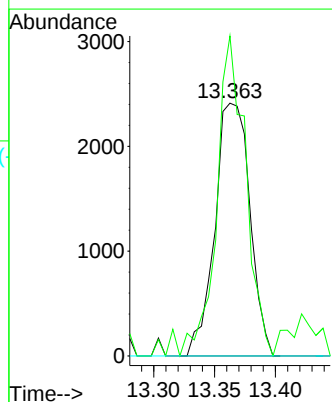
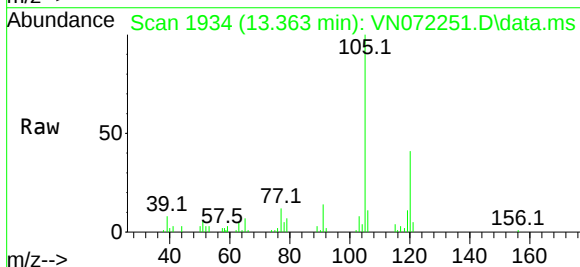
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

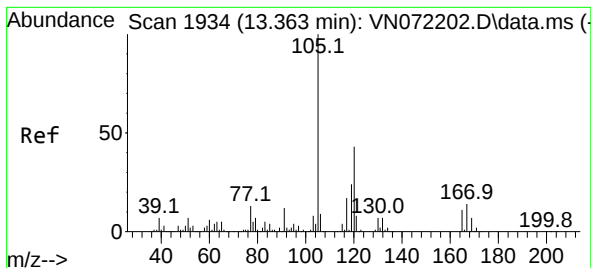
Tgt Ion: 75 Resp: 152387
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#



#83
 tert-Butylbenzene
 Concen: 0.335 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. 0.047 min
 Lab File: VN072251.D
 Acq: 28 Apr 2022 20:36

Tgt Ion: 119 Resp: 4828
 Ion Ratio Lower Upper
 119 100
 91 104.7 31.6 94.8#
 134 0.0 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 2.500 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072251.D

Acq: 28 Apr 2022 20:36

Instrument :

MSVOA_N

ClientSampleId :

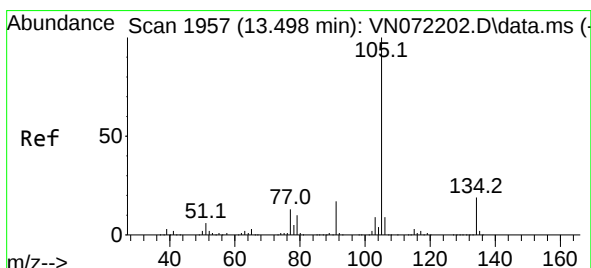
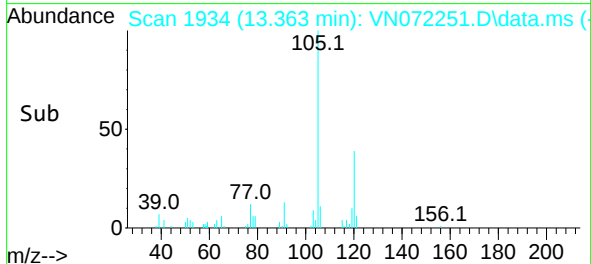
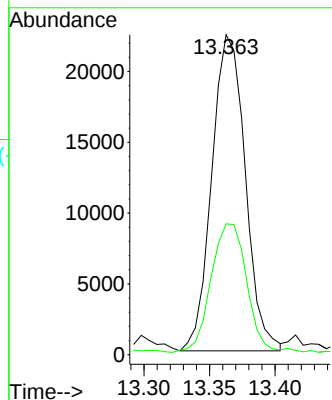
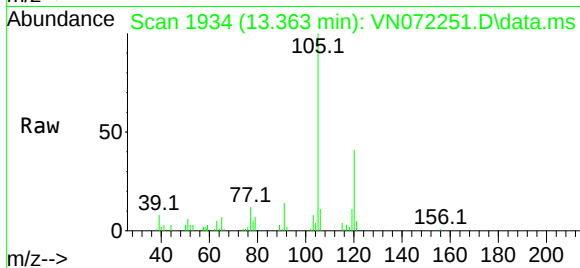
MW-16

Tgt Ion:105 Resp: 39684

Ion Ratio Lower Upper

105 100

120 43.5 23.3 69.8



#85

sec-Butylbenzene

Concen: 2.113 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.135 min

Lab File: VN072251.D

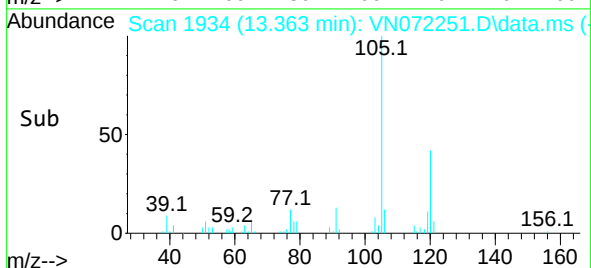
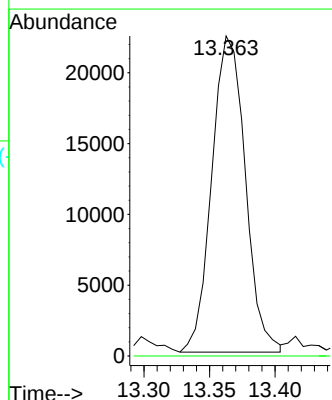
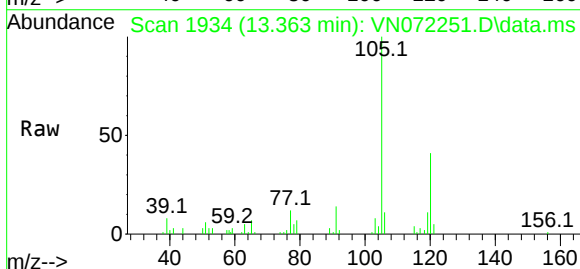
Acq: 28 Apr 2022 20:36

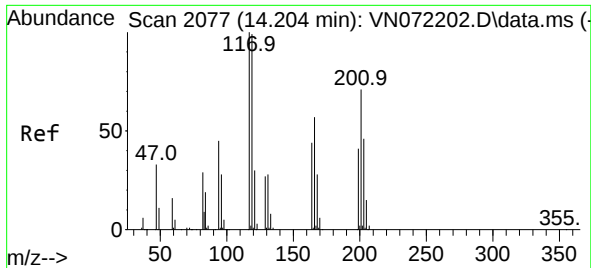
Tgt Ion:105 Resp: 39684

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#

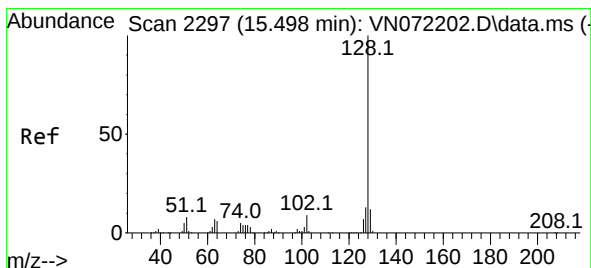
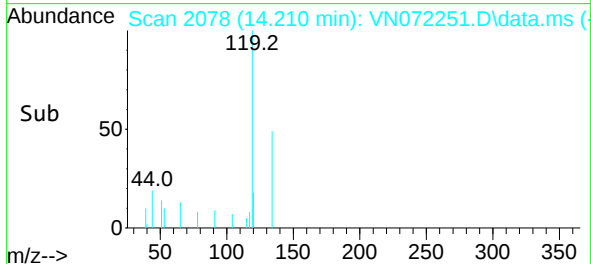
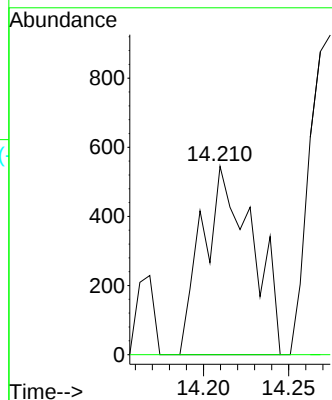
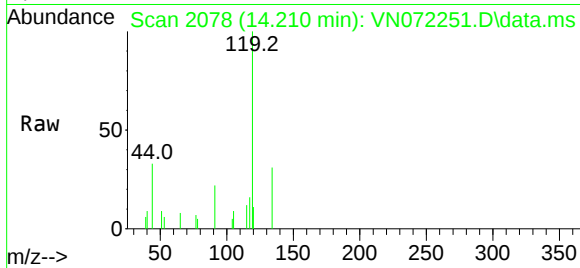




#90
Hexachloroethane
Concen: 0.349 ug/l
RT: 14.210 min Scan# 2077
Delta R.T. 0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Tgt Ion:117 Resp: 1109
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 14.409 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072251.D
Acq: 28 Apr 2022 20:36

Tgt Ion:128 Resp: 127789
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.0 8.6 13.0

