

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072247.D
 Acq On : 28 Apr 2022 18:59
 Operator : JC\MD
 Sample : N2617-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Quant Time: Apr 29 06:36:28 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)

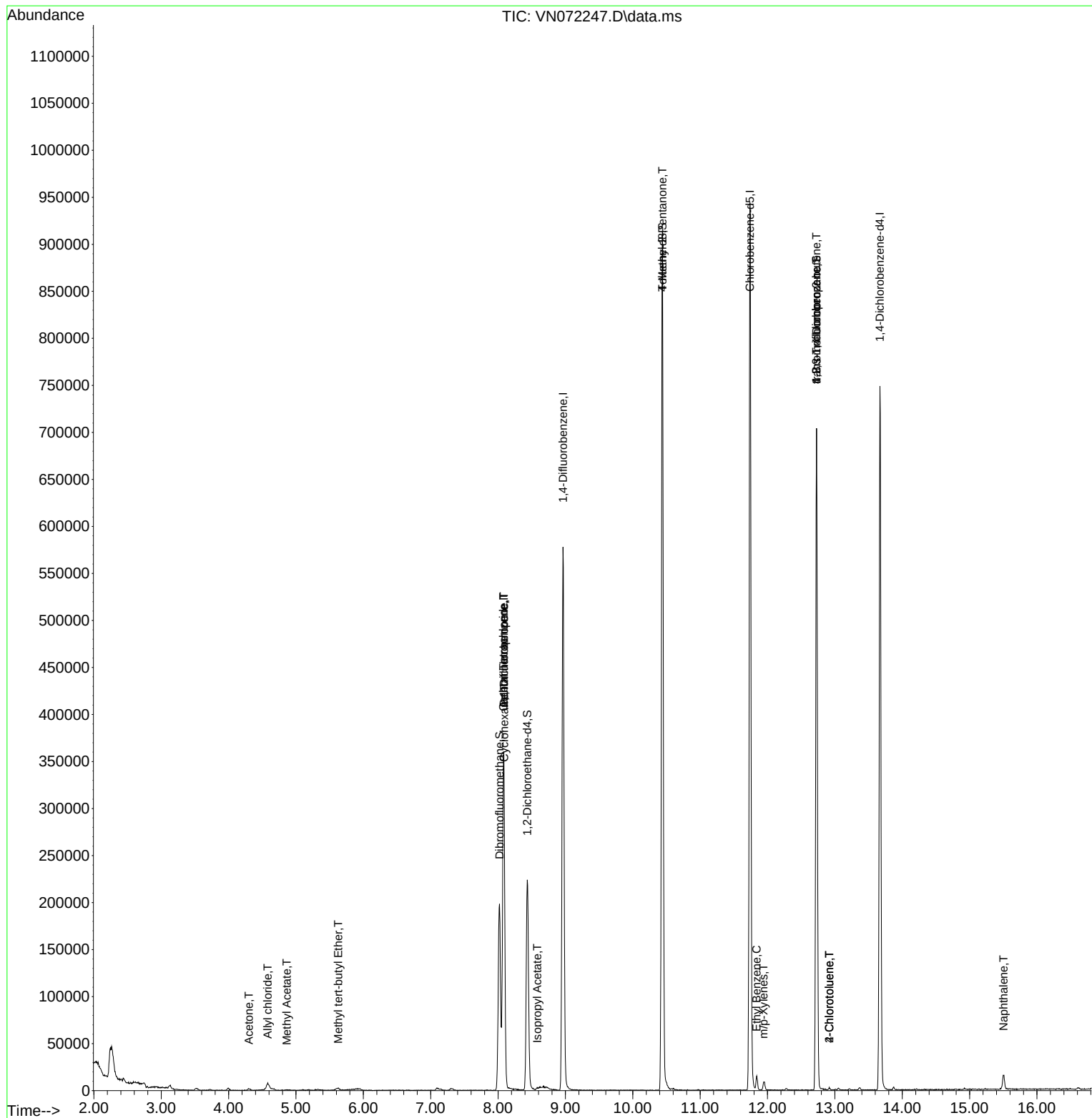
Internal Standards						
1) Pentafluorobenzene	8.086	168	258813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	482193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	534702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	196984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	204801	51.544	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.080%			
35) Dibromofluoromethane	8.022	113	148475	48.108	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.220%			
50) Toluene-d8	10.439	98	621396	51.239	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.727	95	254293	63.174	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 126.340%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	942	Below Cal	#	79
5) Bromomethane	2.869	94	104	Below Cal		85
6) Chloroethane	2.999	64	365	Below Cal	#	42
14) Allyl chloride	4.581	41	1050	0.205	ug/l #	57
16) Acetone	4.298	43	1424	0.831	ug/l #	42
18) Methyl Acetate	4.863	43	1219	0.215	ug/l #	48
19) Methyl tert-butyl Ether	5.628	73	2989	0.308	ug/l #	89
31) Cyclohexane	8.092	56	6289	1.185	ug/l #	37
36) 1,1-Dichloropropene	8.086	75	22241	4.951	ug/l #	49
38) Carbon Tetrachloride	8.081	117	29625	6.157	ug/l #	15
43) Isopropyl Acetate	8.581	43	1266	0.934	ug/l #	53
51) 4-Methyl-2-Pentanone	10.439	43	2809	0.499	ug/l #	1
67) Ethyl Benzene	11.839	91	10987	0.583	ug/l	95
68) m/p-Xylenes	11.939	106	3295	0.471	ug/l	88
76) 1,2,3-Trichloropropane	12.727	75	137619	31.094	ug/l #	1
79) 2-Chlorotoluene	12.916	91	2562	0.204	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.727	75	137619	80.780	ug/l #	10
82) 4-Chlorotoluene	12.916	91	2562	0.219	ug/l #	40
95) Naphthalene	15.504	128	17719	5.887	ug/l	99

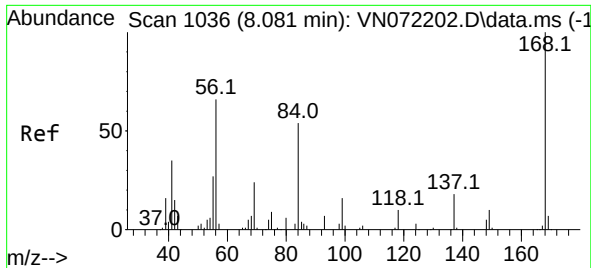
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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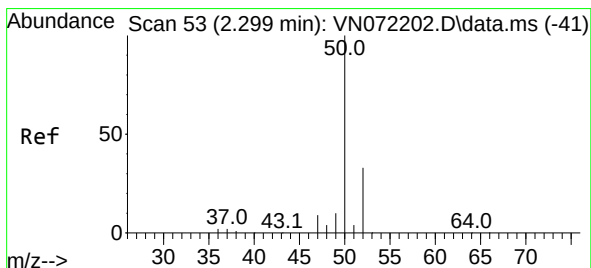
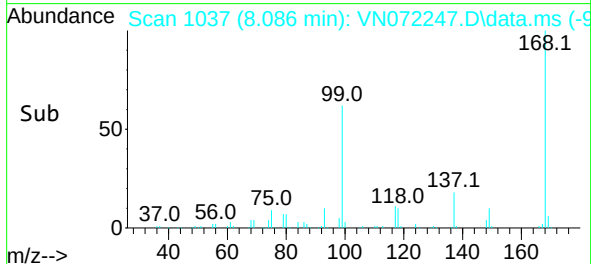
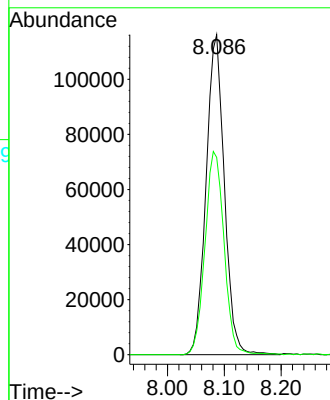
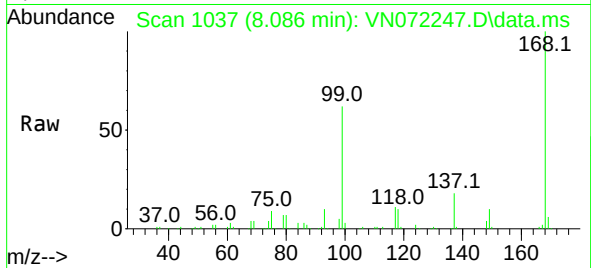




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

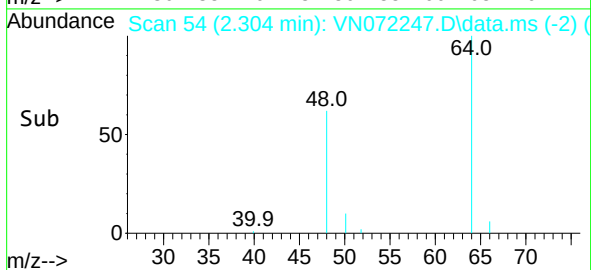
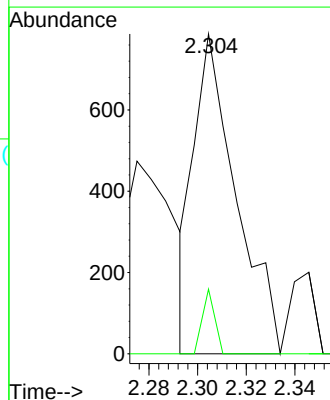
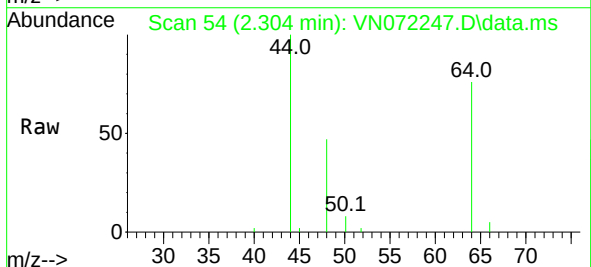
Instrument :
MSVOA_N
ClientSampleId :
MW-13

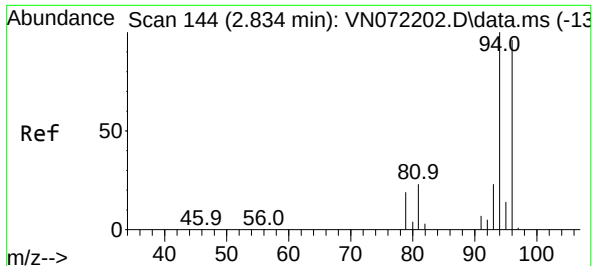
Tgt Ion:168 Resp: 258813
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 50 Resp: 942
Ion Ratio Lower Upper
50 100
52 20.2 25.7 38.5#

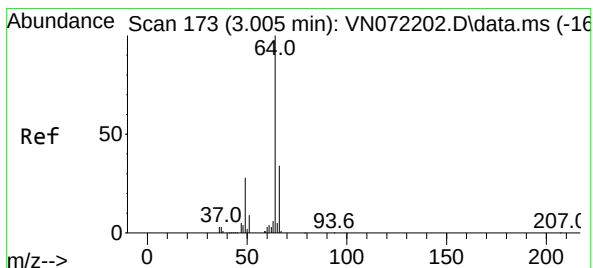
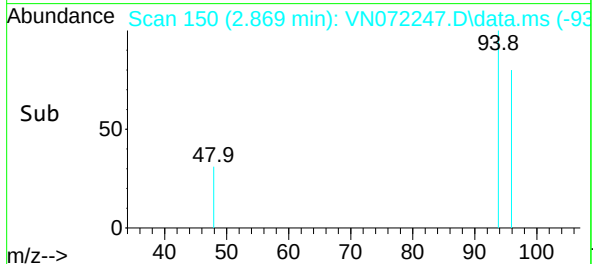
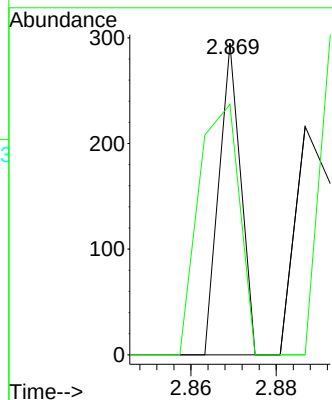
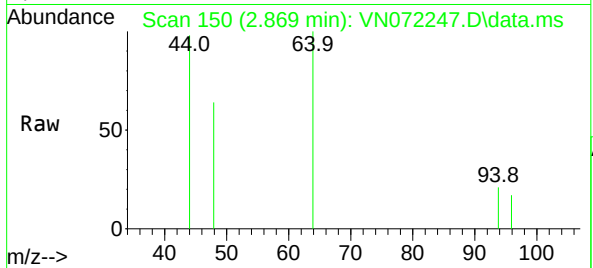




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

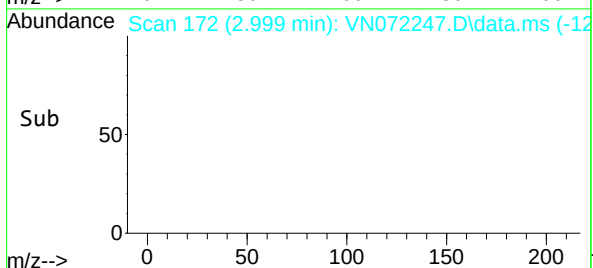
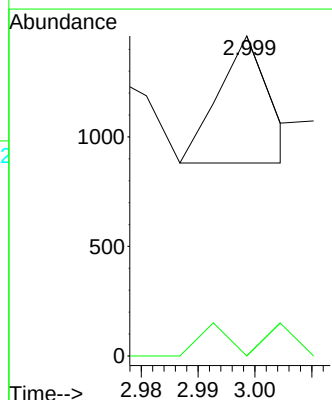
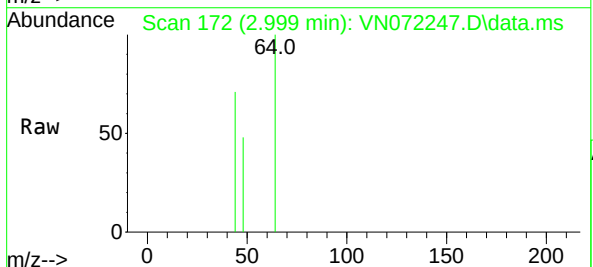
Instrument :
MSVOA_N
ClientSampleId :
MW-13

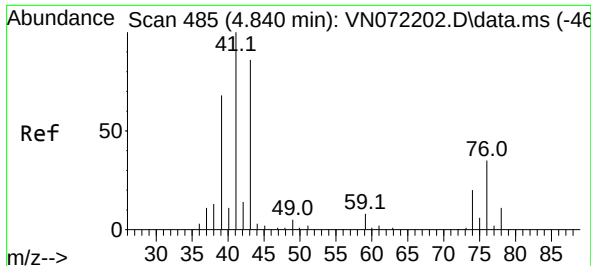
Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 80.3 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.999 min Scan# 172
Delta R.T. -0.006 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

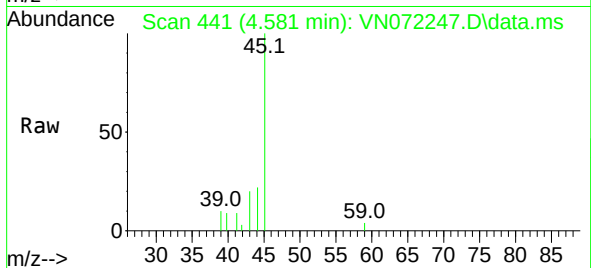
Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



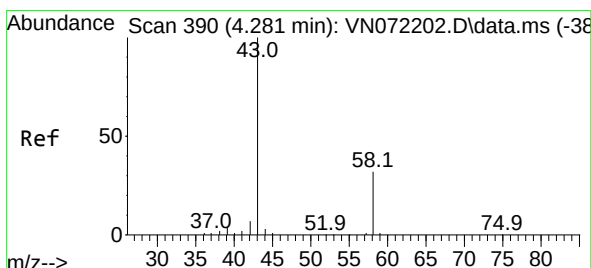
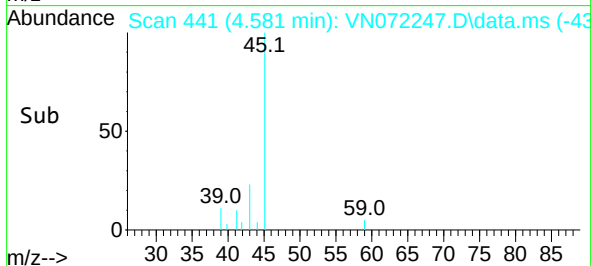
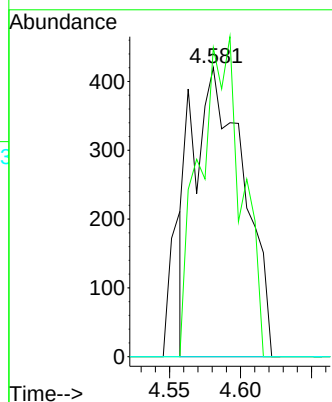


#14
 Allyl chloride
 Concen: 0.205 ug/l
 RT: 4.581 min Scan# 441
 Delta R.T. -0.259 min
 Lab File: VN072247.D
 Acq: 28 Apr 2022 18:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

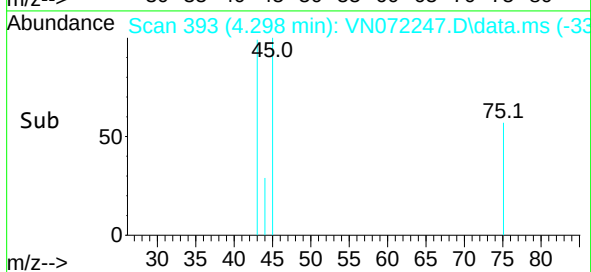
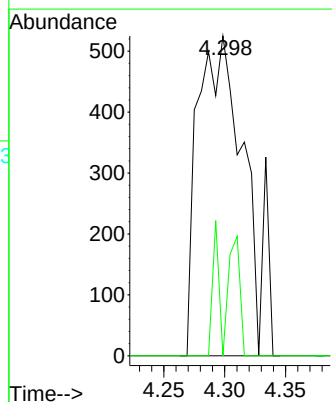
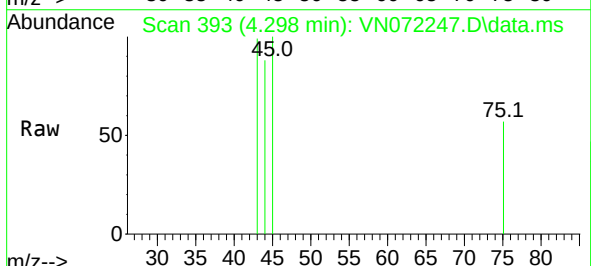


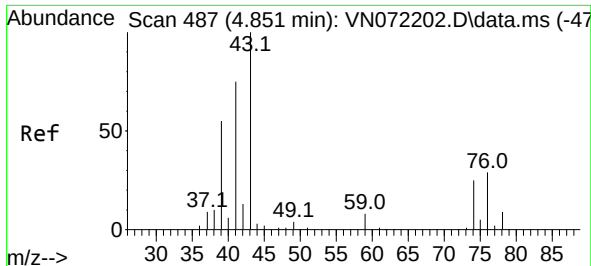
Tgt Ion: 41 Resp: 1050
 Ion Ratio Lower Upper
 41 100
 39 92.2 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 0.831 ug/l
 RT: 4.298 min Scan# 393
 Delta R.T. 0.017 min
 Lab File: VN072247.D
 Acq: 28 Apr 2022 18:59

Tgt Ion: 43 Resp: 1424
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.0 39.0#

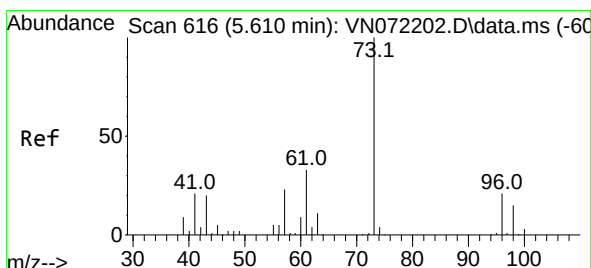
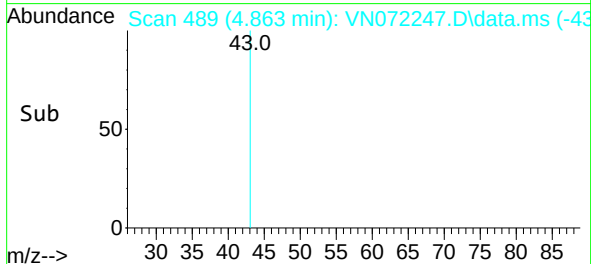
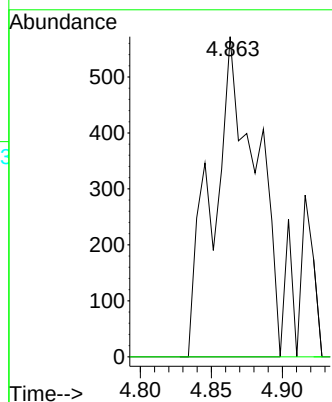
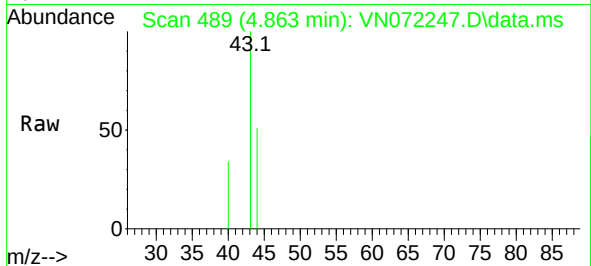




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

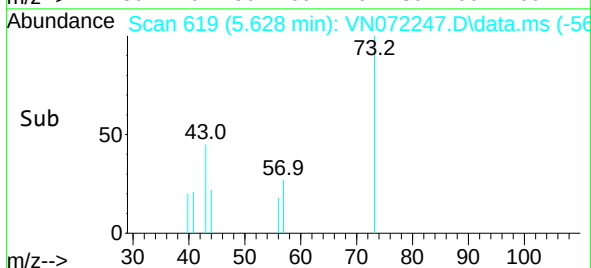
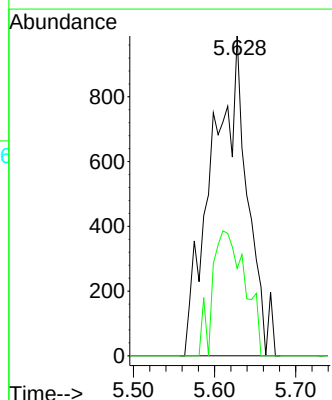
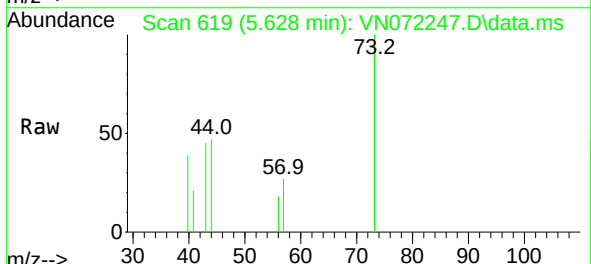
Instrument :
MSVOA_N
ClientSampleId :
MW-13

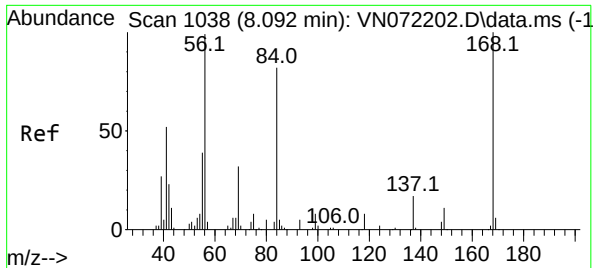
Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 0.308 ug/l
RT: 5.628 min Scan# 619
Delta R.T. 0.018 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 73 Resp: 2989
Ion Ratio Lower Upper
73 100
57 27.3 17.6 26.4#

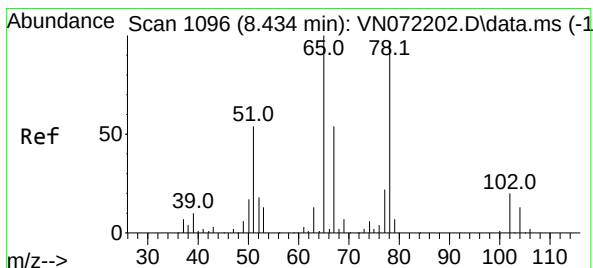
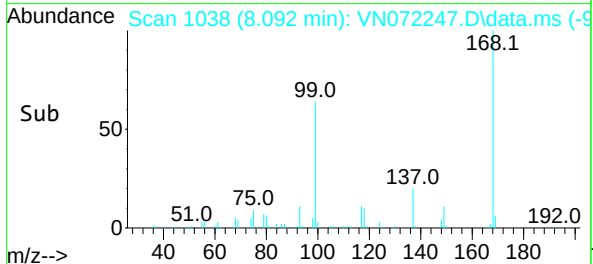
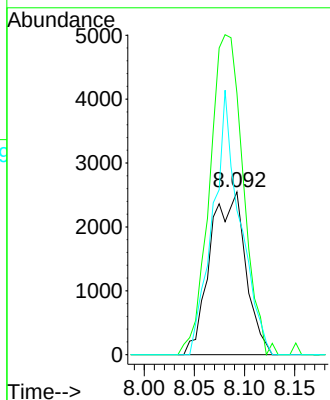
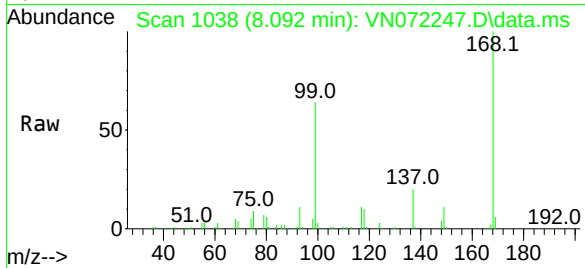




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

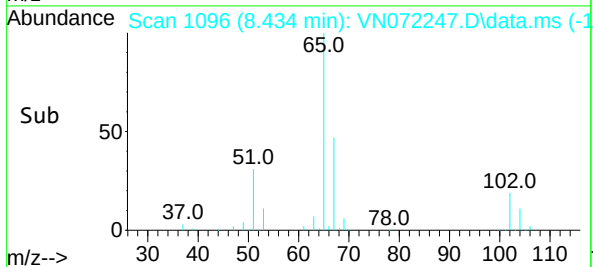
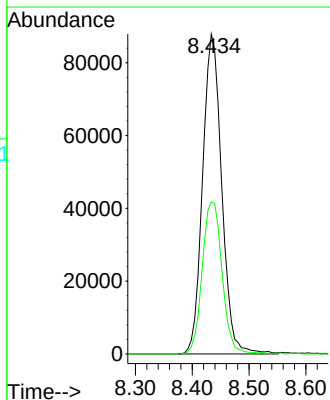
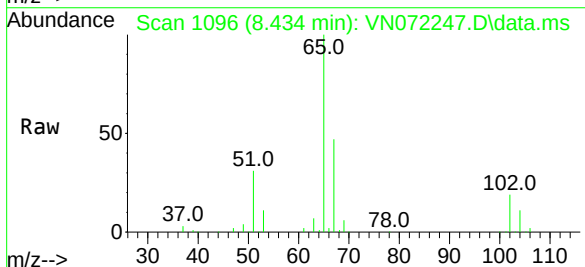
Instrument :
MSVOA_N
ClientSampleId :
MW-13

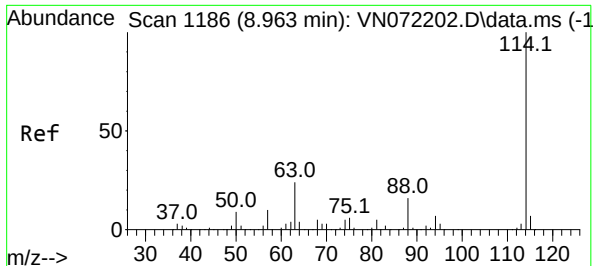
Tgt Ion: 56 Resp: 6289
Ion Ratio Lower Upper
56 100
69 160.7 27.8 41.8#
84 88.7 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 51.544 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 65 Resp: 204801
Ion Ratio Lower Upper
65 100
67 49.3 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: VN072247.D

Acq: 28 Apr 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

MW-13

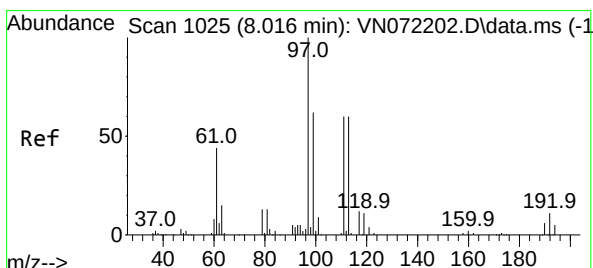
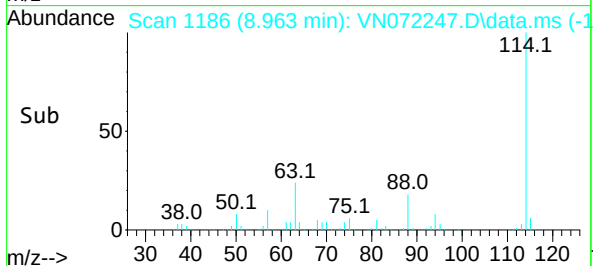
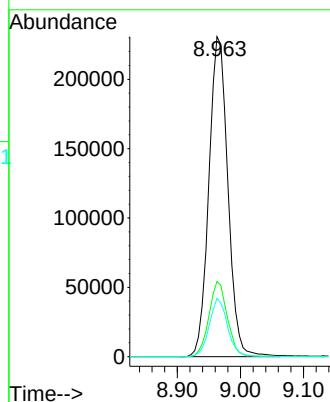
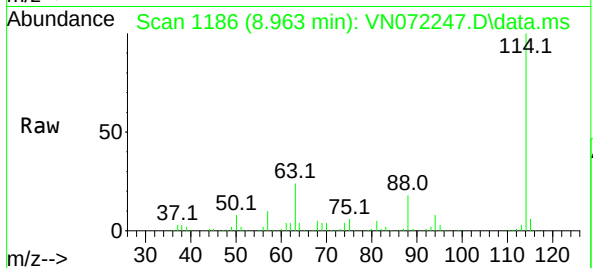
Tgt Ion:114 Resp: 482193

Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.0

88 18.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.108 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072247.D

Acq: 28 Apr 2022 18:59

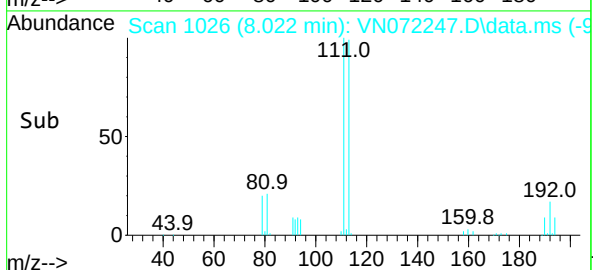
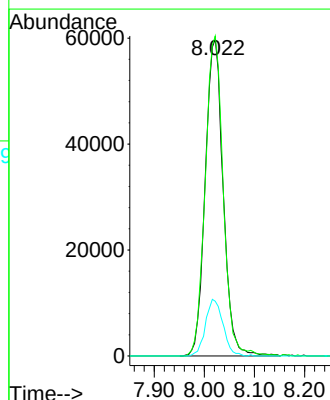
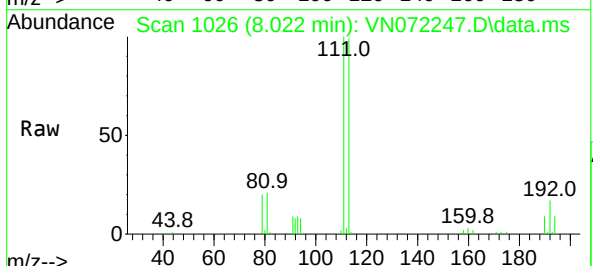
Tgt Ion:113 Resp: 148475

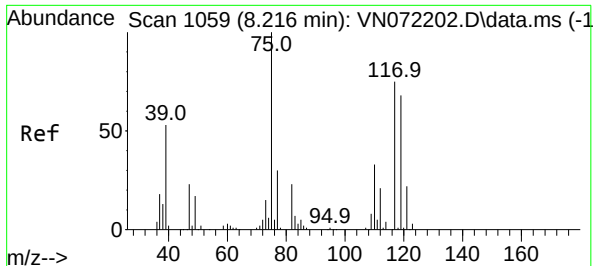
Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 17.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072247.D

Acq: 28 Apr 2022 18:59

Instrument :

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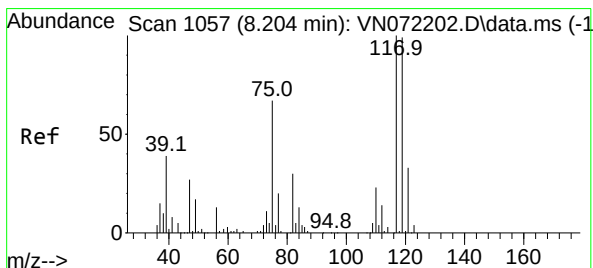
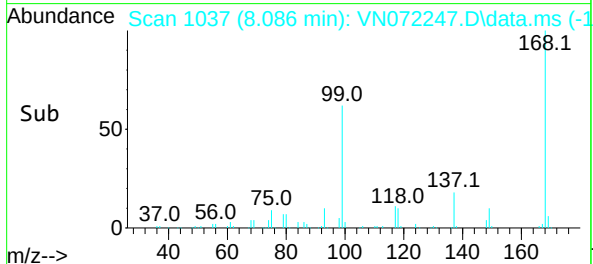
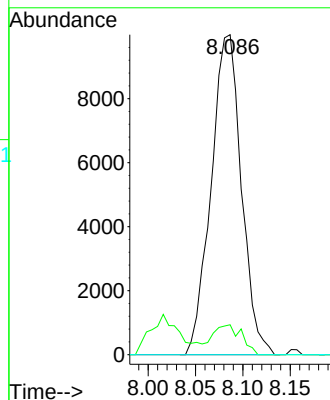
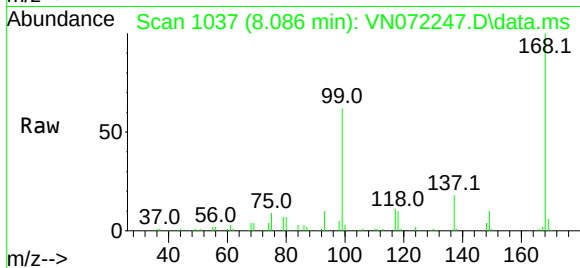
Tgt Ion: 75 Resp: 22241

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.157 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072247.D

Acq: 28 Apr 2022 18:59

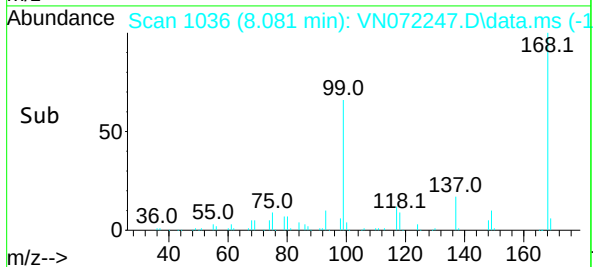
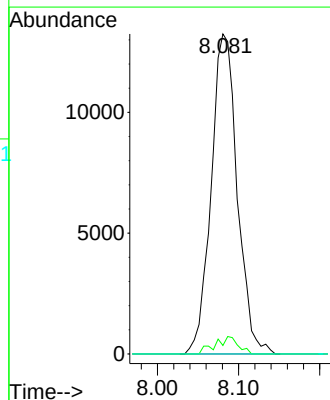
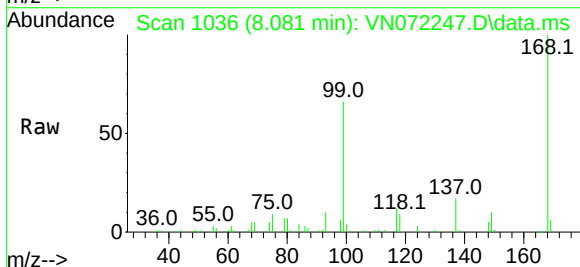
Tgt Ion: 117 Resp: 29625

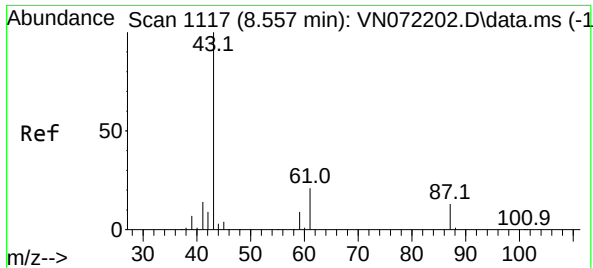
Ion Ratio Lower Upper

117 100

119 2.7 75.8 113.8#

121 0.0 24.6 37.0#

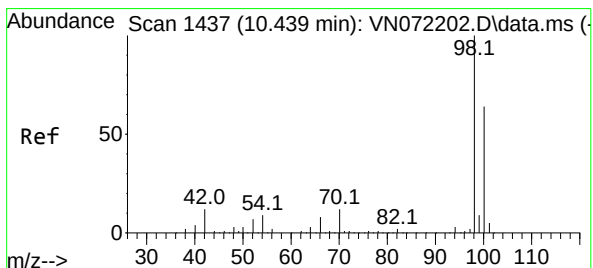
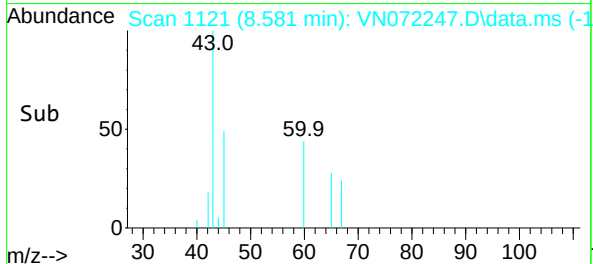
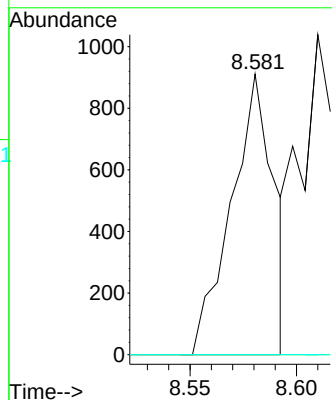
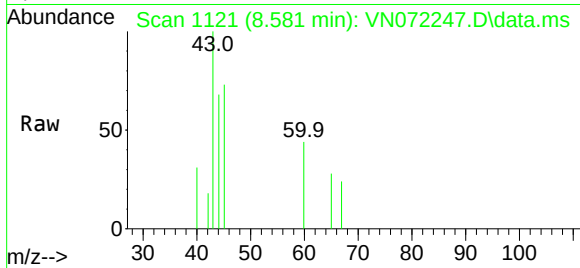




#43
Isopropyl Acetate
Concen: 0.934 ug/l
RT: 8.581 min Scan# 1117
Delta R.T. 0.024 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

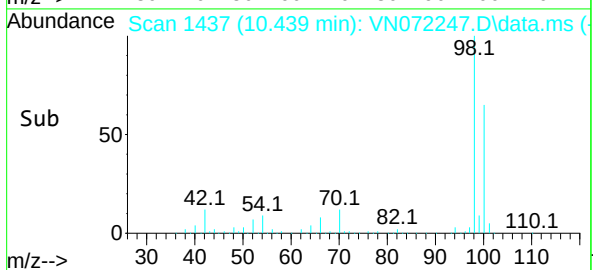
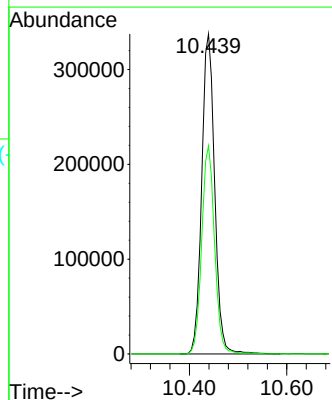
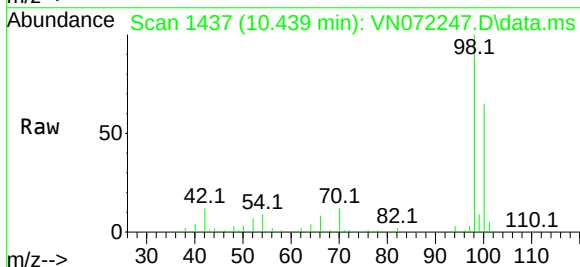
Instrument :
MSVOA_N
ClientSampleId :
MW-13

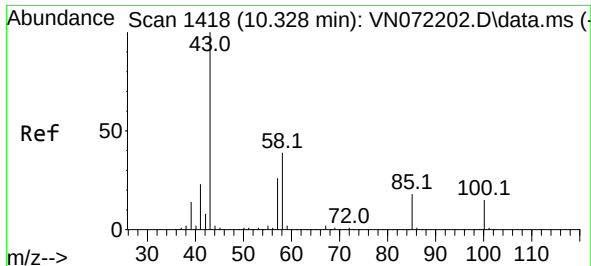
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.239 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 98 Resp: 621396
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.499 ug/l

RT: 10.439 min Scan# 1418

Delta R.T. 0.111 min

Lab File: VN072247.D

Acq: 28 Apr 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

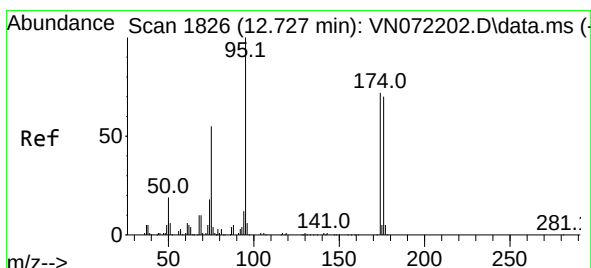
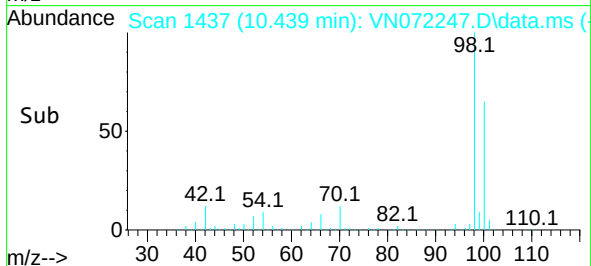
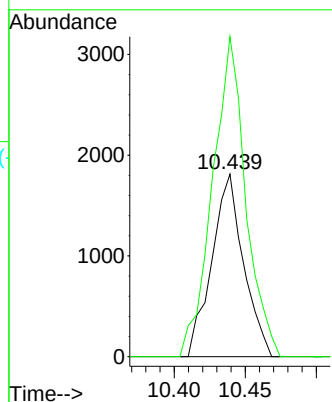
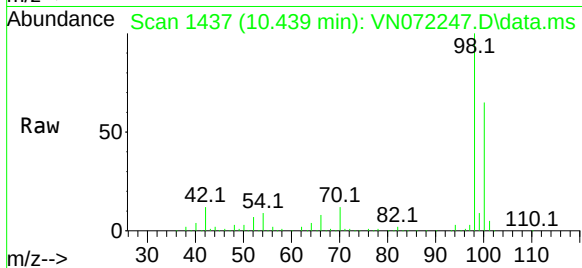
MW-13

Tgt Ion: 43 Resp: 2809

Ion Ratio Lower Upper

43 100

58 183.7 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 63.174 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072247.D

Acq: 28 Apr 2022 18:59

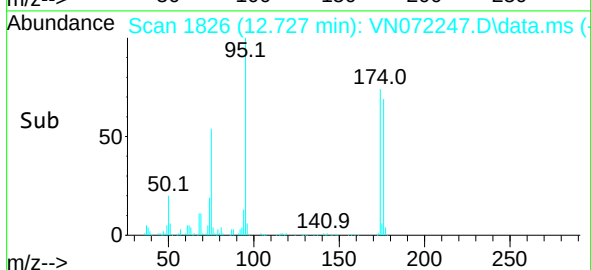
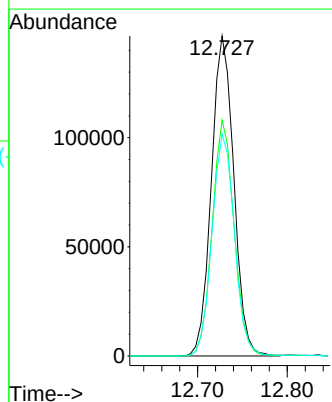
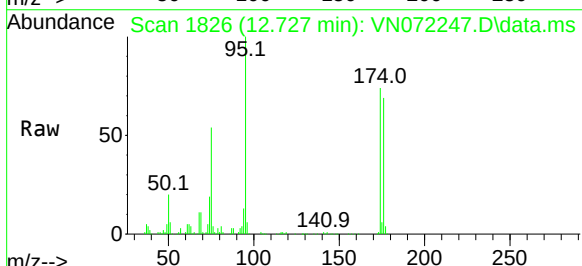
Tgt Ion: 95 Resp: 254293

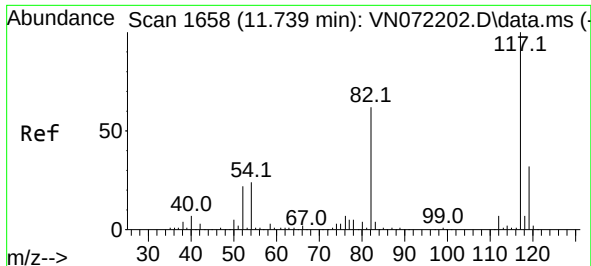
Ion Ratio Lower Upper

95 100

174 72.1 0.0 167.6

176 69.4 0.0 163.4

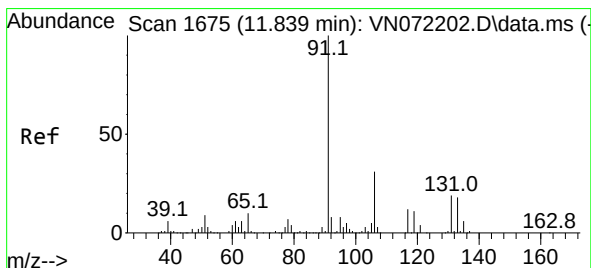
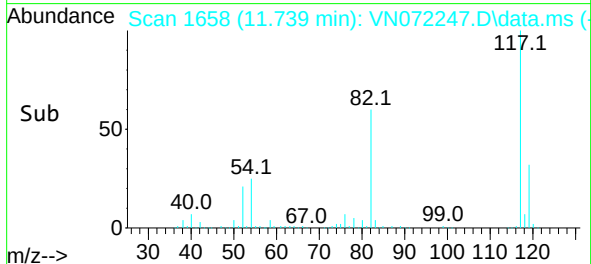
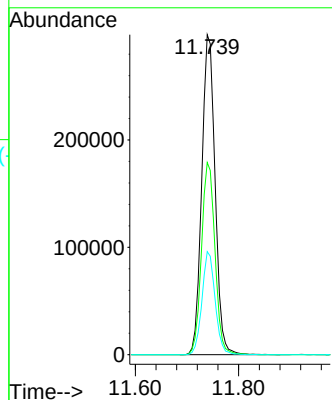
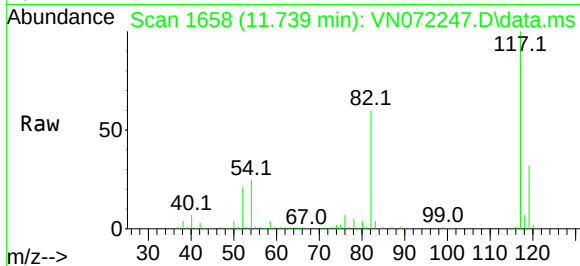




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

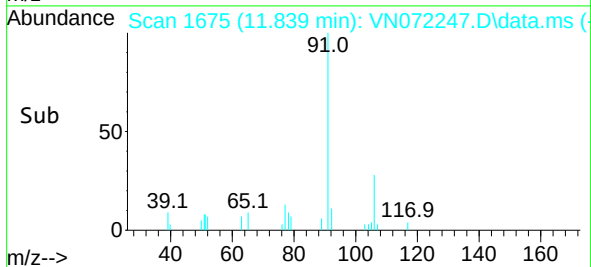
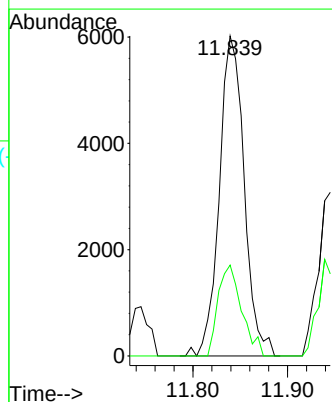
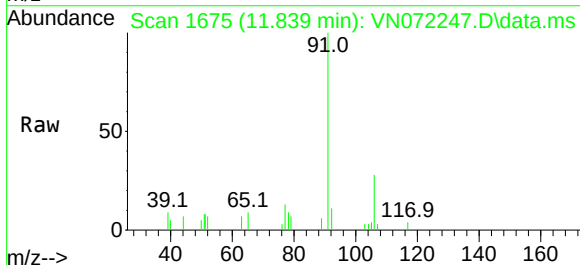
Instrument :
MSVOA_N
ClientSampleId :
MW-13

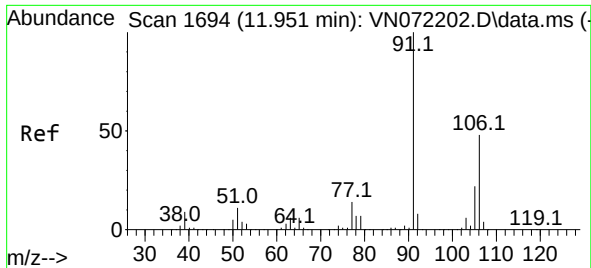
Tgt Ion:117 Resp: 534702
Ion Ratio Lower Upper
117 100
82 60.1 44.2 66.2
119 32.2 25.4 38.0



#67
Ethyl Benzene
Concen: 0.583 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 91 Resp: 10987
Ion Ratio Lower Upper
91 100
106 28.4 24.9 37.3

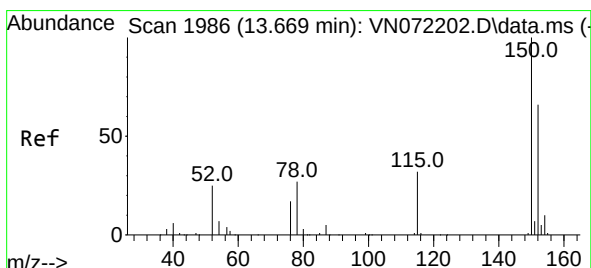
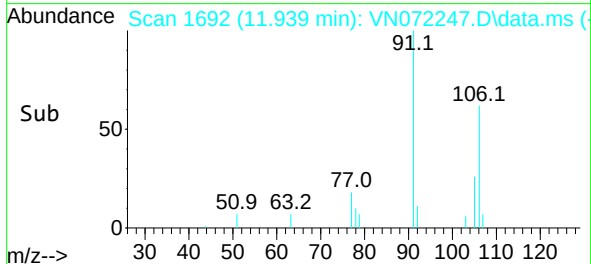
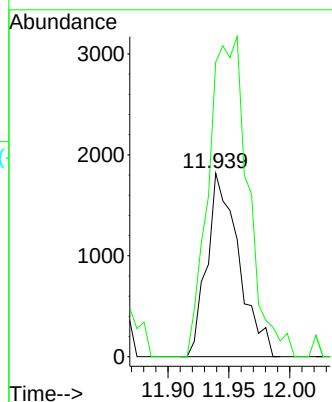
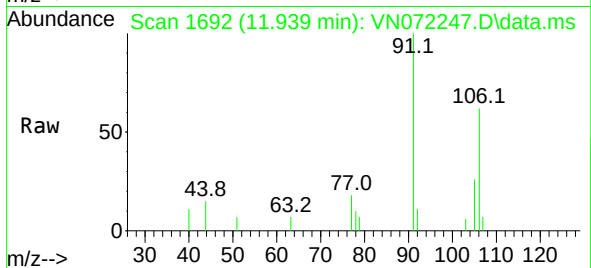




#68
m/p-Xylenes
Concen: 0.471 ug/l
RT: 11.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

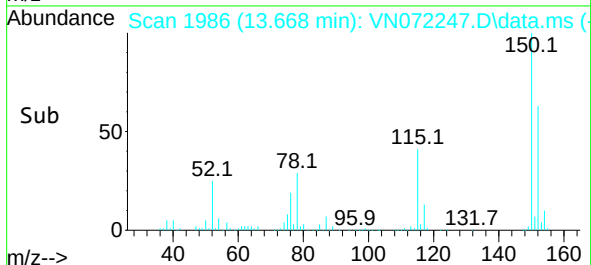
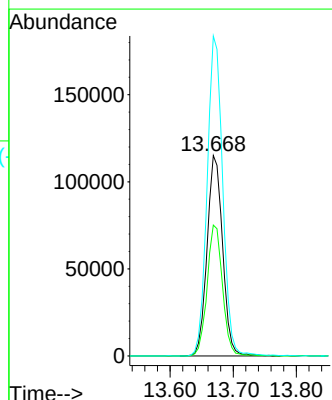
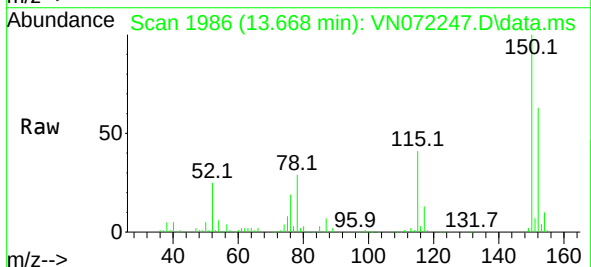
Instrument :
MSVOA_N
ClientSampleId :
MW-13

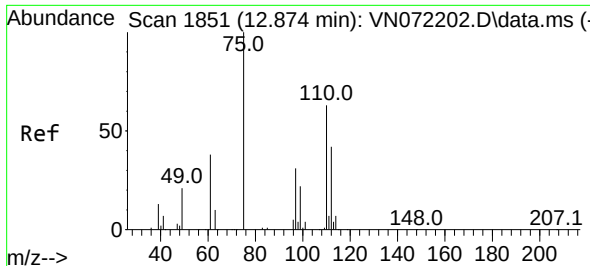
Tgt Ion:106 Resp: 3295
Ion Ratio Lower Upper
106 100
91 217.2 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion:152 Resp: 196984
Ion Ratio Lower Upper
152 100
115 64.7 28.9 86.7
150 159.3 0.0 356.2

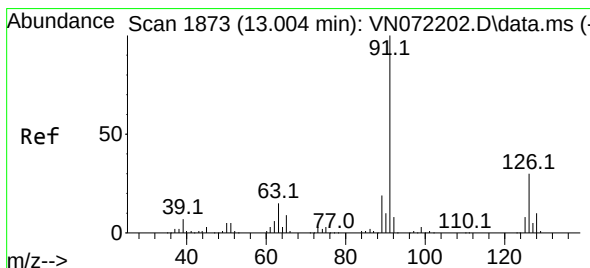
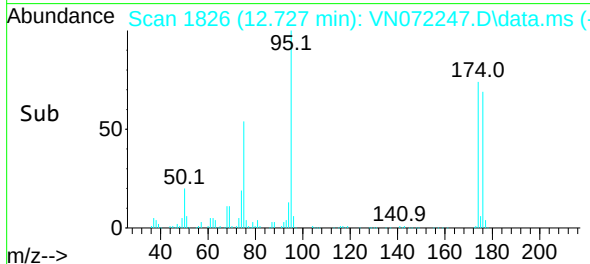
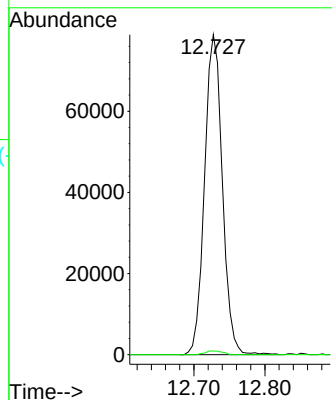
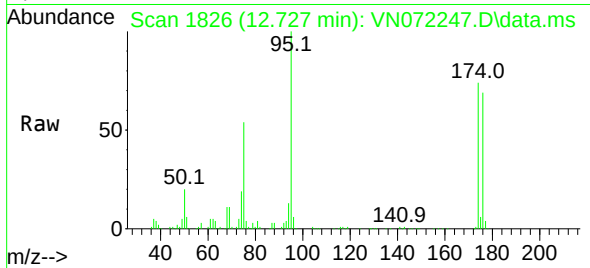




#76
1,2,3-Trichloropropane
Concen: 31.094 ug/l
RT: 12.727 min Scan# 1858
Delta R.T. -0.147 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

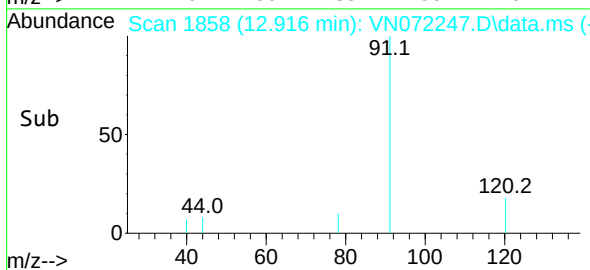
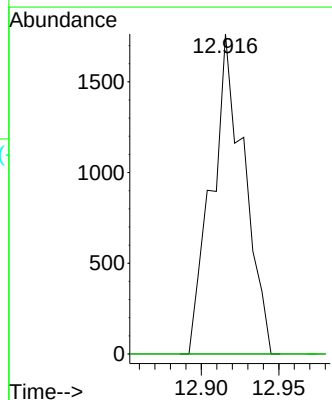
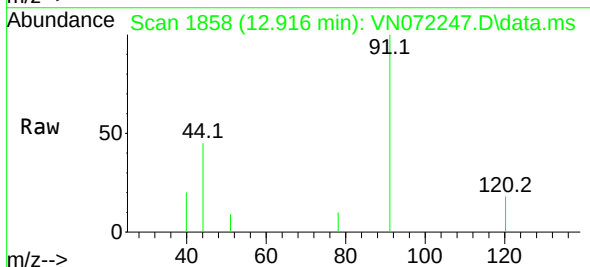
Instrument :
MSVOA_N
ClientSampleId :
MW-13

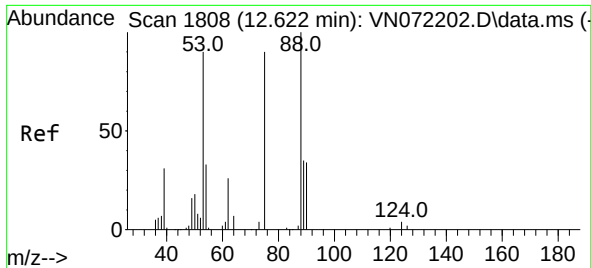
Tgt Ion: 75 Resp: 137619
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#79
2-Chlorotoluene
Concen: 0.204 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.088 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 91 Resp: 2562
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

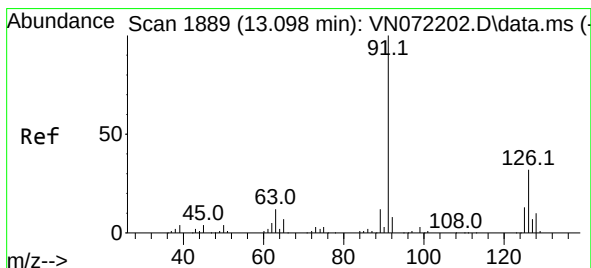
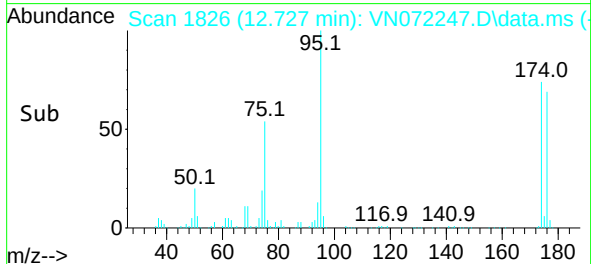
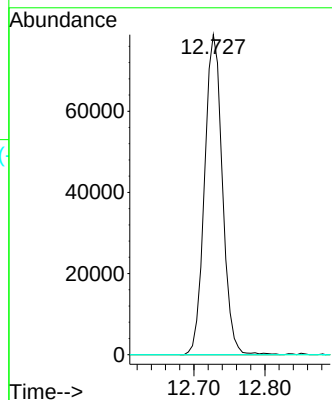
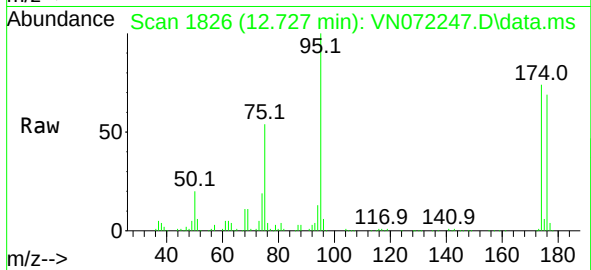




#81
trans-1,4-Dichloro-2-butene
Concen: 80.780 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

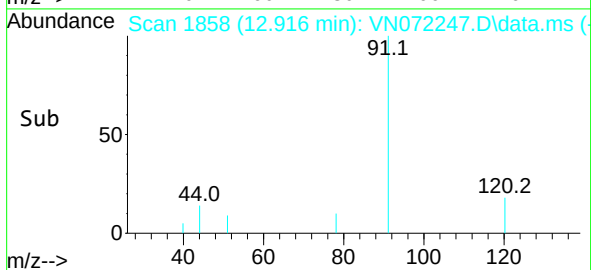
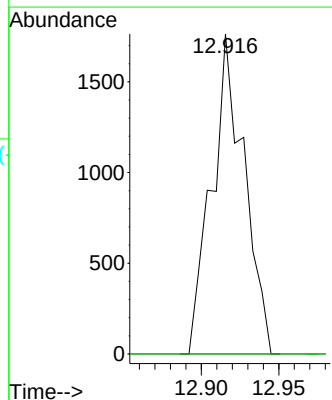
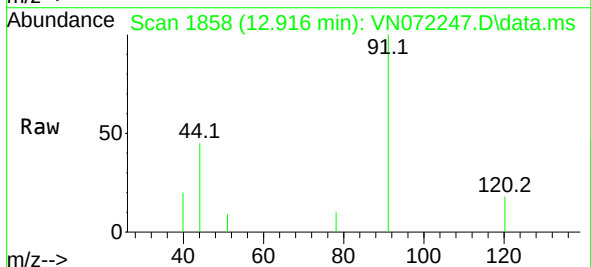
Instrument :
MSVOA_N
ClientSampleId :
MW-13

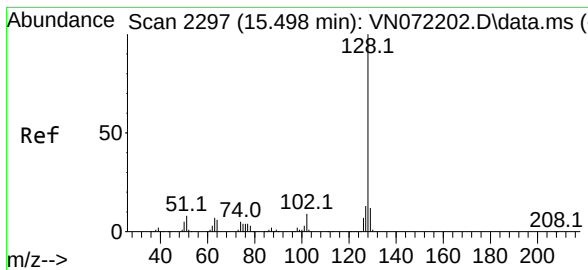
Tgt Ion: 75 Resp: 137619
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.219 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.182 min
Lab File: VN072247.D
Acq: 28 Apr 2022 18:59

Tgt Ion: 91 Resp: 2562
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#





#95

Naphthalene

Concen: 5.887 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072247.D

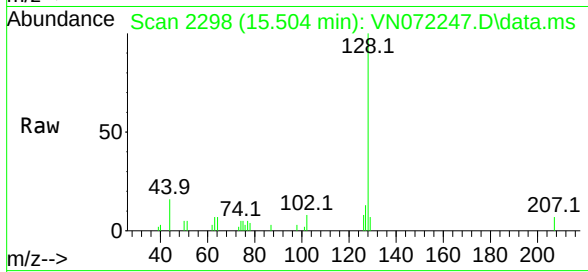
Acq: 28 Apr 2022 18:59

Instrument :

MSVOA_N

ClientSampleId :

MW-13



Tgt Ion:128 Resp: 17719

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 10.9 8.6 13.0

