

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062222\
 Data File : VN073033.D
 Acq On : 22 Jun 2022 18:31
 Operator : JC\MD
 Sample : N3381-06 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Jun 23 07:33:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

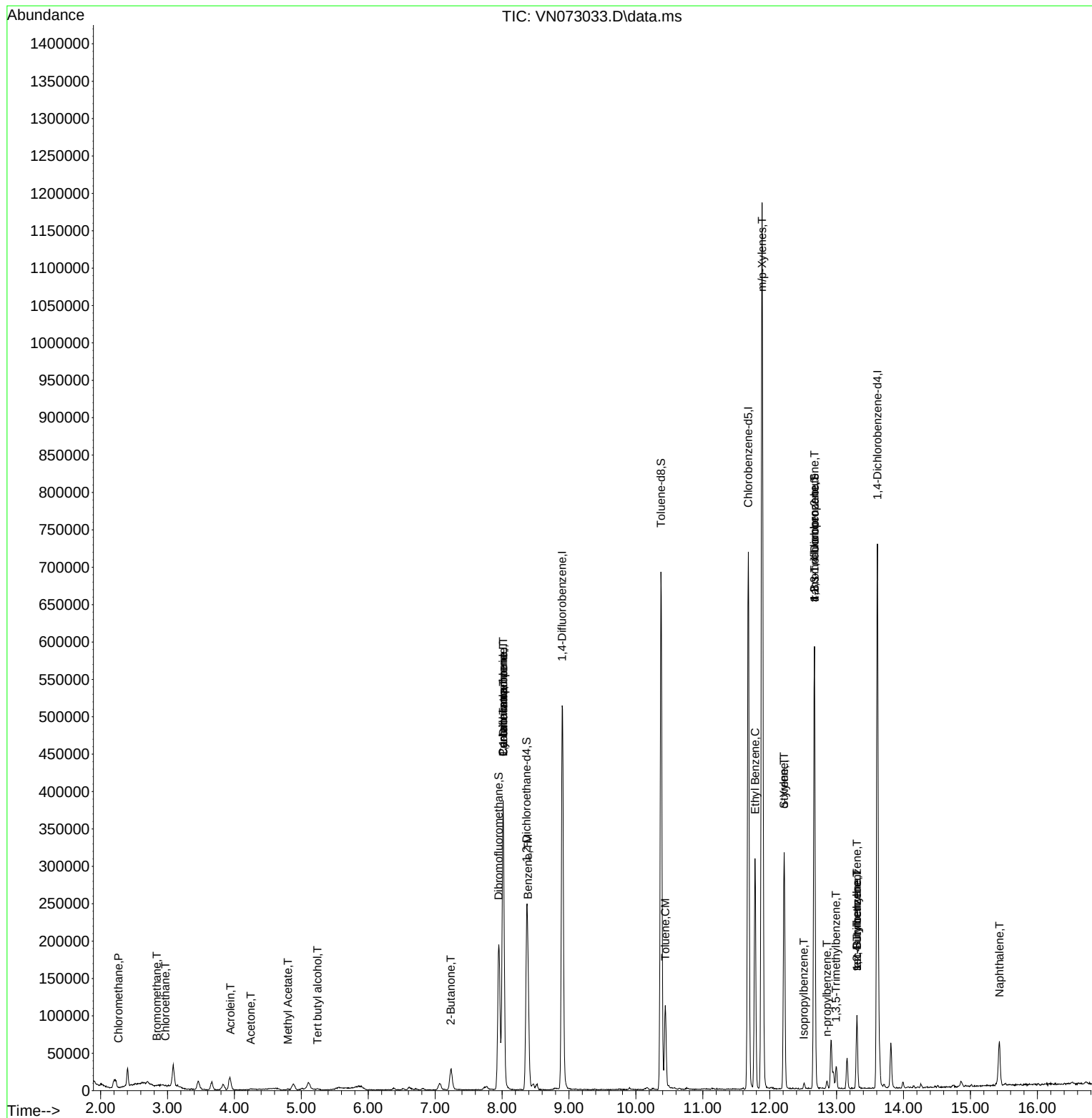
Internal Standards						
1) Pentafluorobenzene	8.016	168	283868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	459783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	411882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	195091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	174968	45.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.180%		
35) Dibromofluoromethane	7.951	113	146333	51.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.980%		
50) Toluene-d8	10.374	98	475402	44.957	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.920%		
62) 4-Bromofluorobenzene	12.668	95	201496	52.990	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.980%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	583	0.768	ug/l #	43
5) Bromomethane	2.840	94	201	0.211	ug/l #	2
6) Chloroethane	2.969	64	695	0.458	ug/l #	42
11) Tert butyl alcohol	5.239	59	1291	1.302	ug/l #	72
13) Acrolein	3.940	56	248	0.635	ug/l #	1
16) Acetone	4.245	43	2515	1.192	ug/l	100
18) Methyl Acetate	4.798	43	2249	0.400	ug/l #	48
20) Methylene Chloride	4.998	84	287	Below Cal	#	71
25) 2-Butanone	7.233	43	1388	0.415	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	1282	Below Cal	#	53
31) Cyclohexane	8.016	56	8472	1.632	ug/l #	13
36) 1,1-Dichloropropene	8.016	75	22812	5.932	ug/l #	49
38) Carbon Tetrachloride	8.016	117	28826	7.127	ug/l #	17
40) Benzene	8.386	78	84325	6.978	ug/l	98
52) Toluene	10.439	92	47657	6.423	ug/l	100
67) Ethyl Benzene	11.780	91	217940	15.391	ug/l	99
68) m/p-Xylenes	11.886	106	373408	67.235	ug/l	97
69) o-Xylene	12.216	106	87688	15.801	ug/l	98
70) Styrene	12.216	104	4192	0.470	ug/l #	1
73) Isopropylbenzene	12.510	105	5129	0.340	ug/l	88
76) 1,2,3-Trichloropropane	12.668	75	103337	21.847	ug/l #	1
78) n-propylbenzene	12.857	91	8700	0.524	ug/l	97
80) 1,3,5-Trimethylbenzene	12.992	105	14540	1.173	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.668	75	103337	59.002	ug/l #	10
83) tert-Butylbenzene	13.304	119	6722	0.592	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.304	105	53158	4.305	ug/l	98
85) sec-Butylbenzene	13.304	105	53158	3.510	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.533	75	60	Below Cal	#	1
95) Naphthalene	15.433	128	56924	3.777	ug/l	98

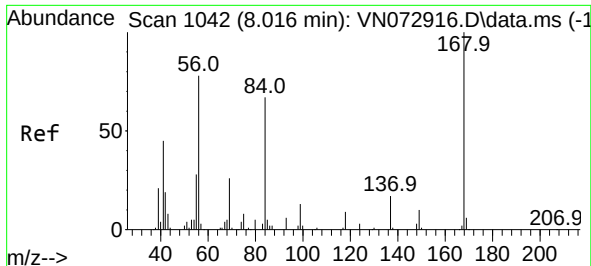
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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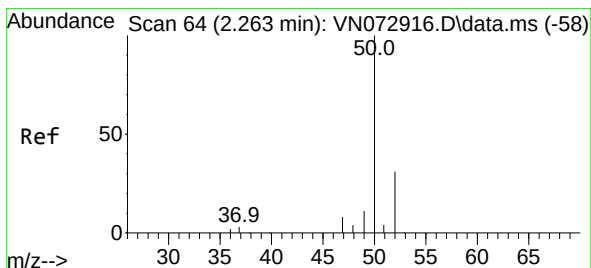
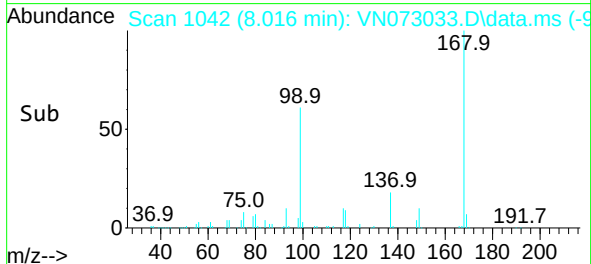
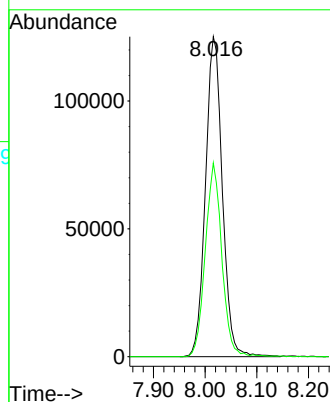
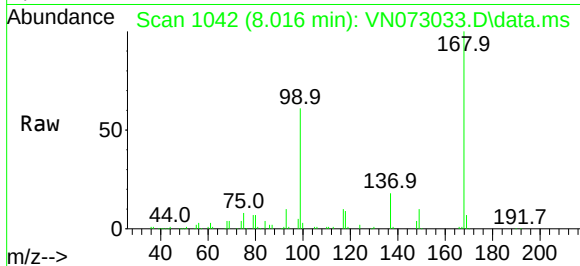




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

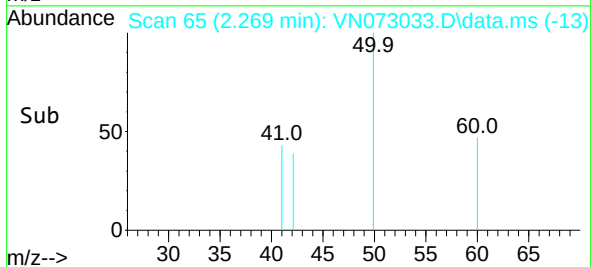
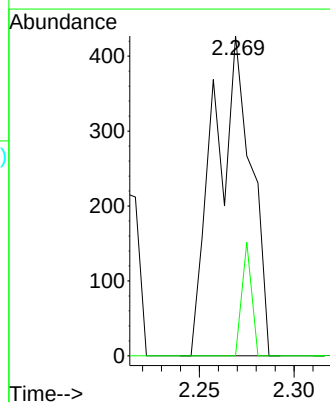
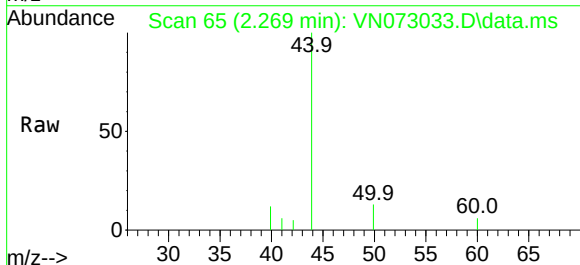
Instrument :
MSVOA_N
ClientSampleId :
MW-7

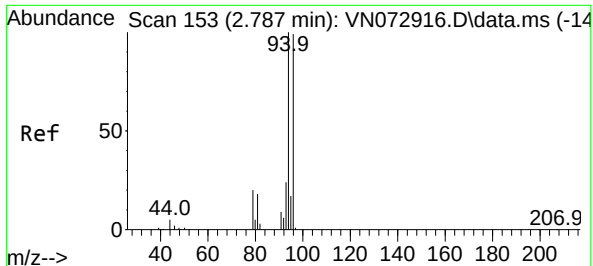
Tgt Ion:168 Resp: 283868
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#3
Chloromethane
Concen: 0.768 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 50 Resp: 583
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

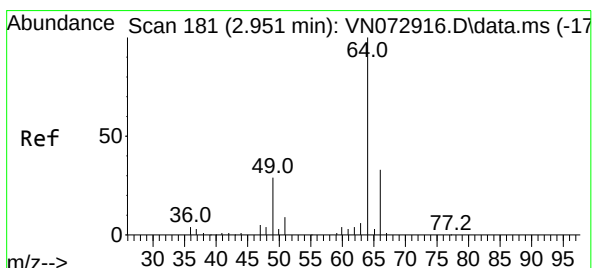
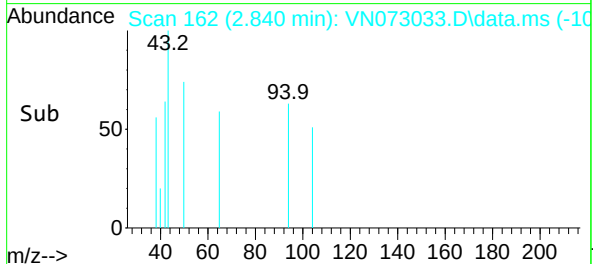
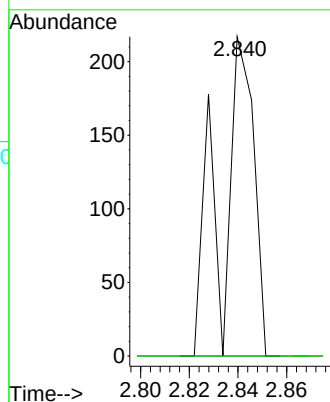
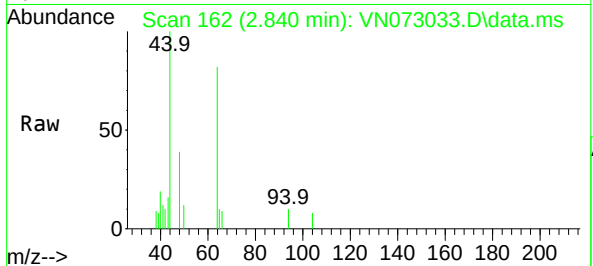




#5
Bromomethane
Concen: 0.211 ug/l
RT: 2.840 min Scan# 1
Delta R.T. 0.053 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

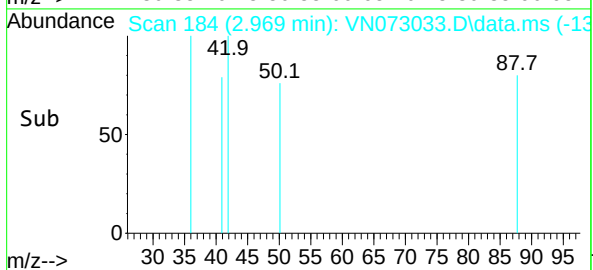
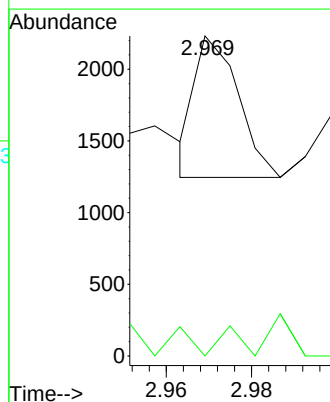
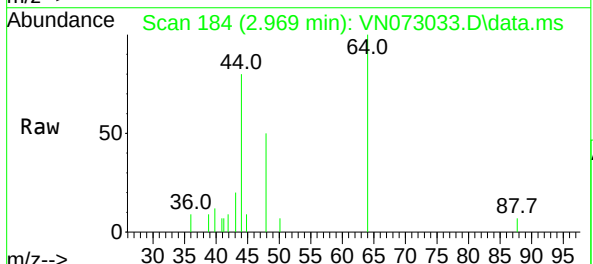
Instrument :
MSVOA_N
ClientSampleId :
MW-7

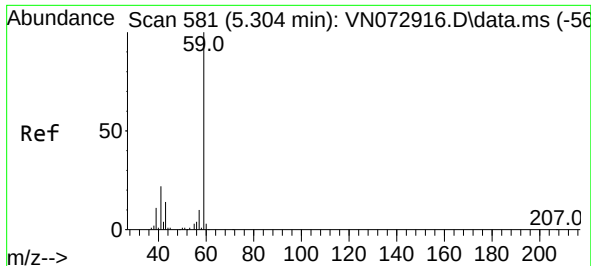
Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.458 ug/l
RT: 2.969 min Scan# 184
Delta R.T. 0.018 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 64 Resp: 695
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

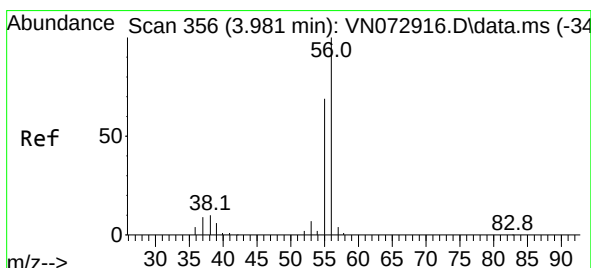
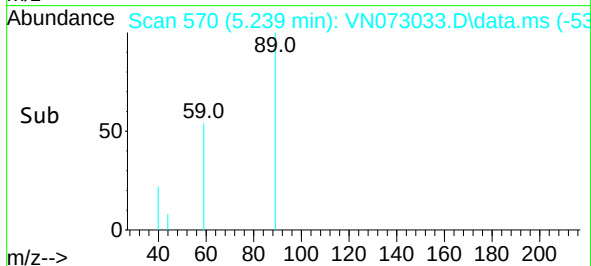
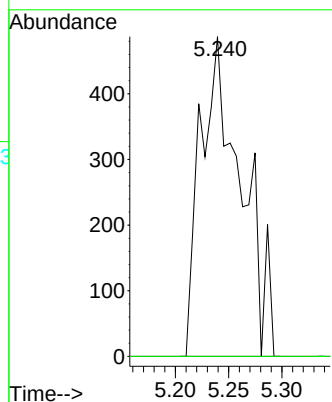
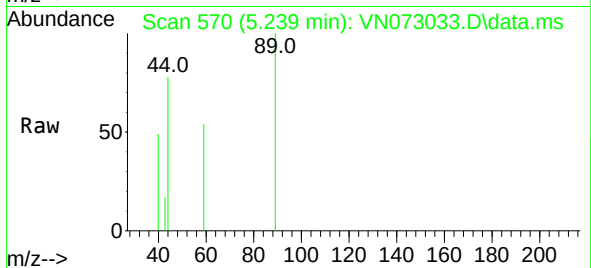




#11
Tert butyl alcohol
Concen: 1.302 ug/l
RT: 5.239 min Scan# 51
Delta R.T. -0.065 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

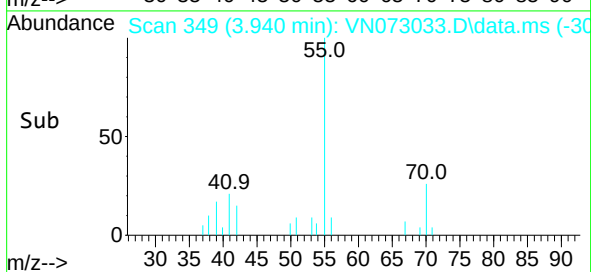
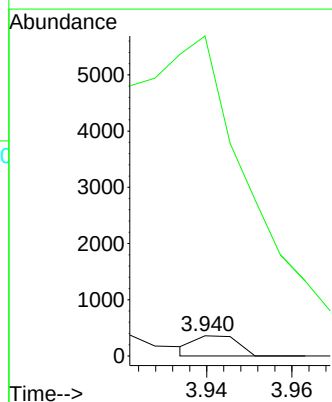
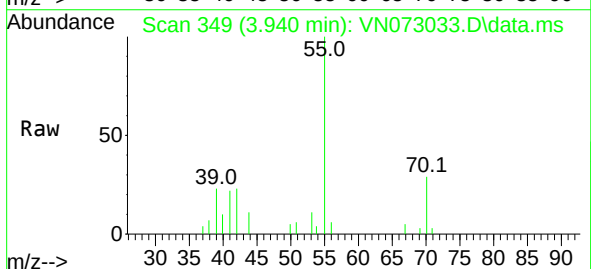
Instrument :
MSVOA_N
ClientSampleId :
MW-7

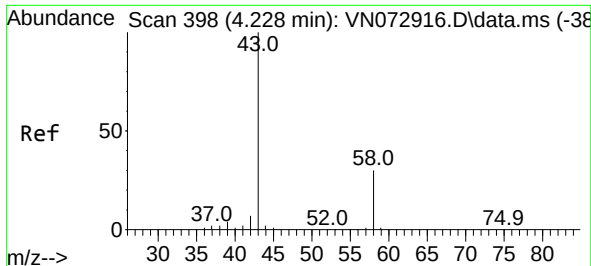
Tgt Ion: 59 Resp: 1291
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.635 ug/l
RT: 3.940 min Scan# 349
Delta R.T. -0.041 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 5881.9 54.8 82.2#





#16

Acetone

Concen: 1.192 ug/l

RT: 4.245 min Scan# 401

Delta R.T. 0.018 min

Lab File: VN073033.D

Acq: 22 Jun 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

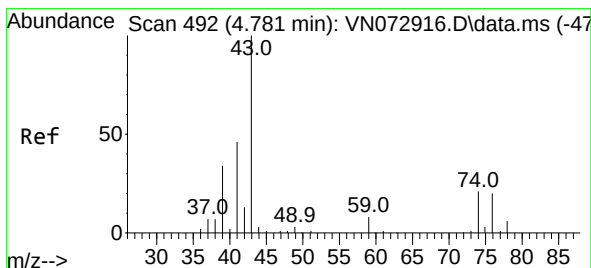
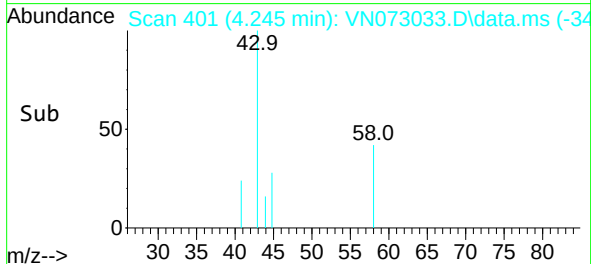
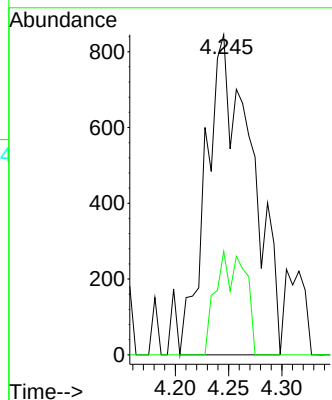
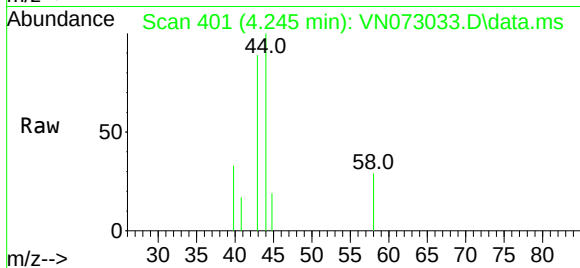
MW-7

Tgt Ion: 43 Resp: 2515

Ion Ratio Lower Upper

43 100

58 32.3 26.0 39.0



#18

Methyl Acetate

Concen: 0.400 ug/l

RT: 4.798 min Scan# 495

Delta R.T. 0.018 min

Lab File: VN073033.D

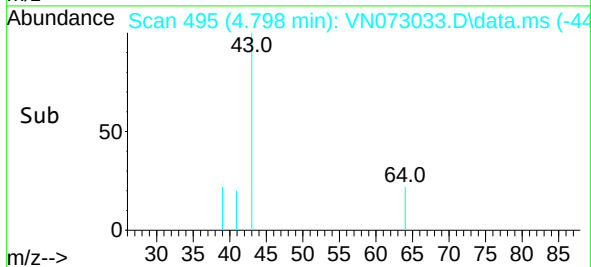
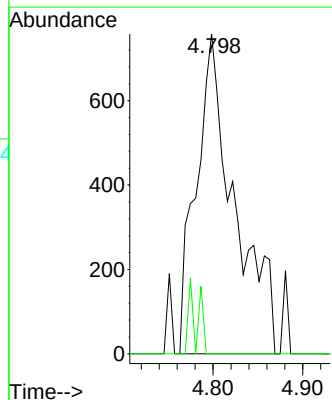
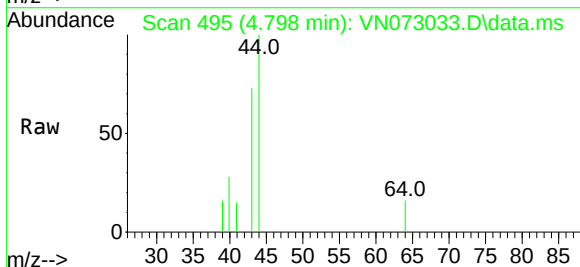
Acq: 22 Jun 2022 18:31

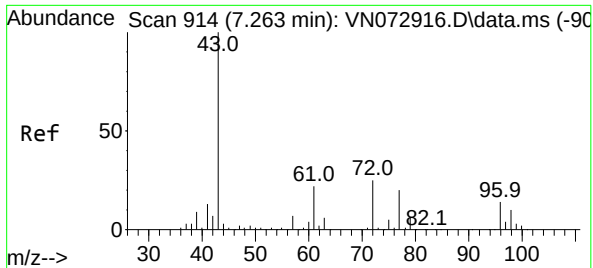
Tgt Ion: 43 Resp: 2249

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#

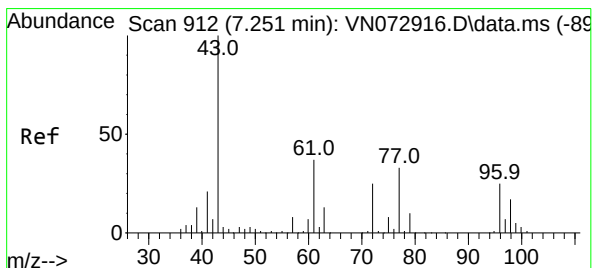
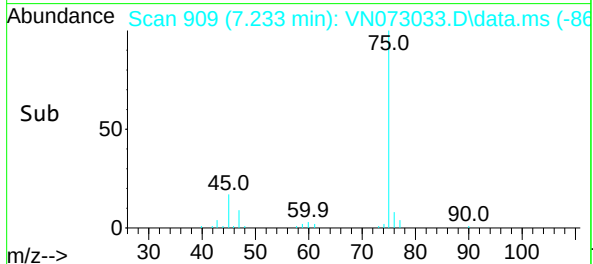
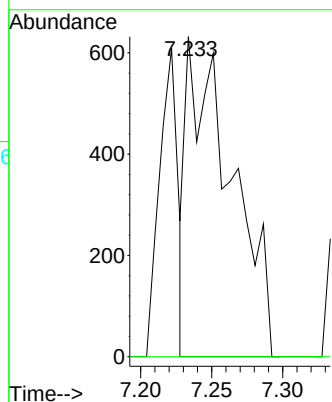
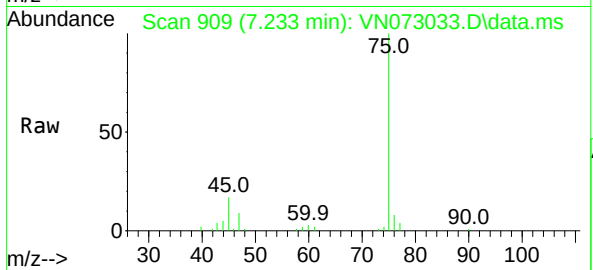




#25
2-Butanone
Concen: 0.415 ug/l
RT: 7.233 min Scan# 908
Delta R.T. -0.029 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

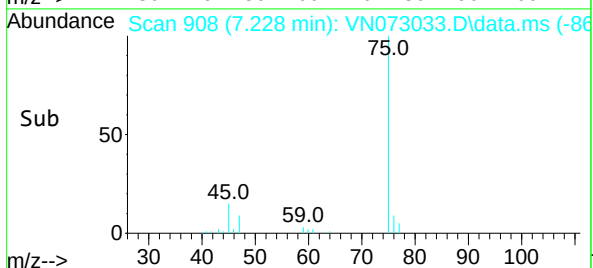
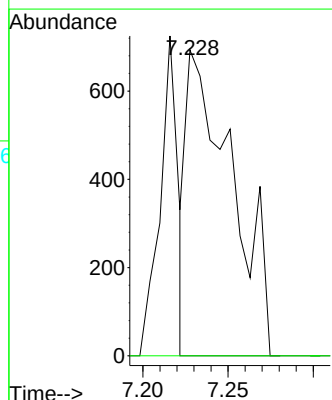
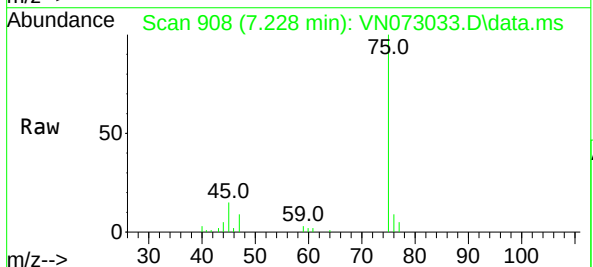
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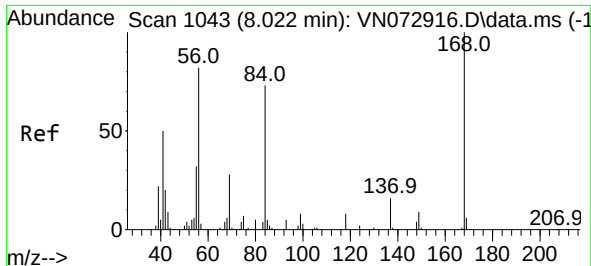
Tgt Ion: 43 Resp: 1388
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.228 min Scan# 908
Delta R.T. -0.023 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 77 Resp: 1282
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

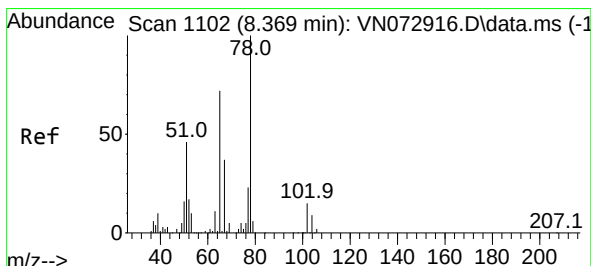
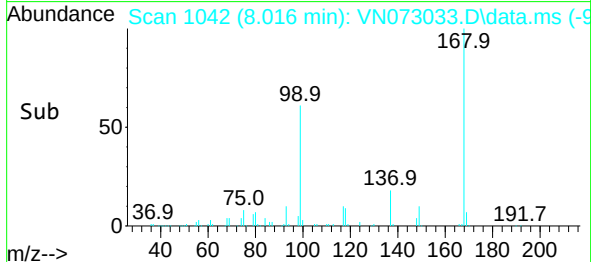
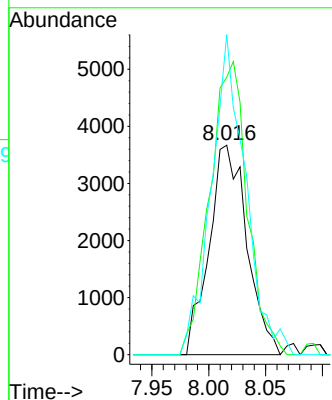
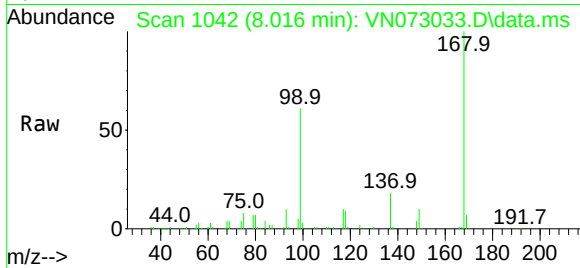




#31
Cyclohexane
Concen: 1.632 ug/l
RT: 8.016 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

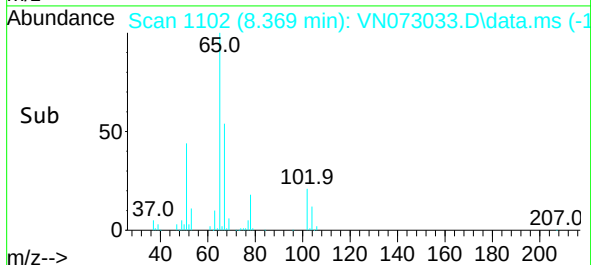
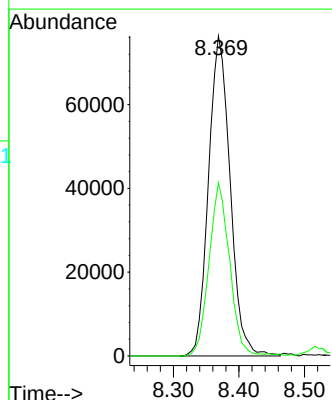
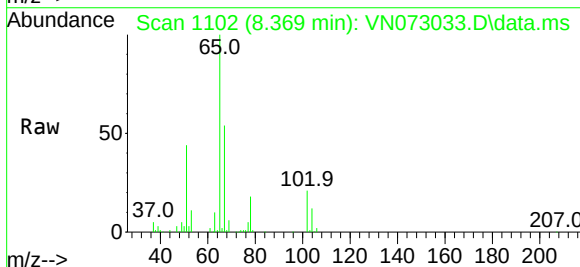
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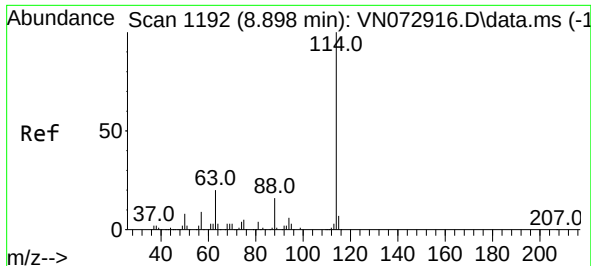
Tgt Ion: 56 Resp: 8472
Ion Ratio Lower Upper
56 100
69 132.5 27.8 41.8#
84 152.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.590 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 65 Resp: 174968
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

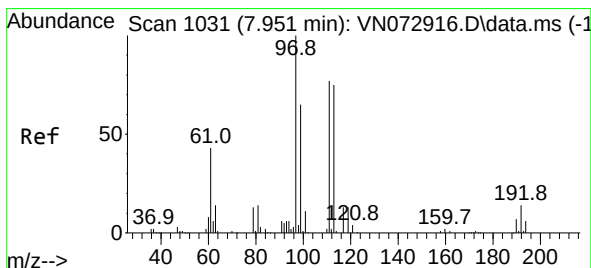
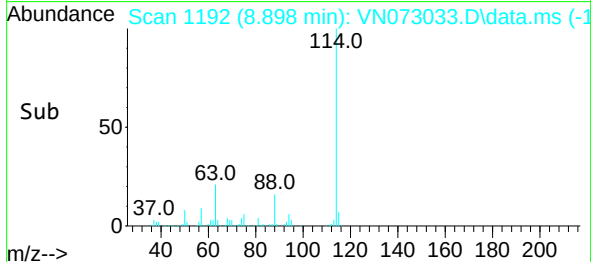
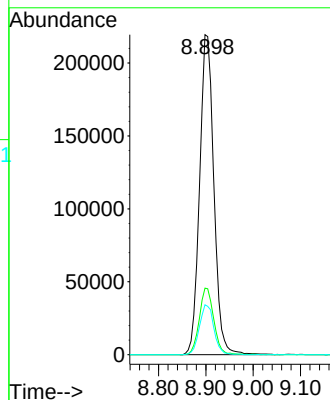
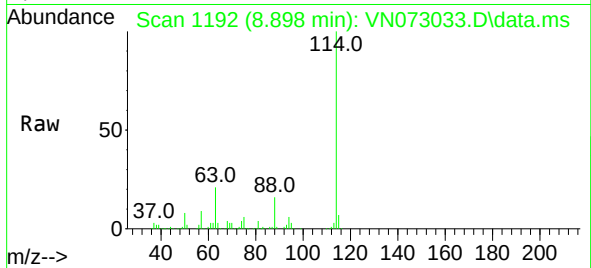




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

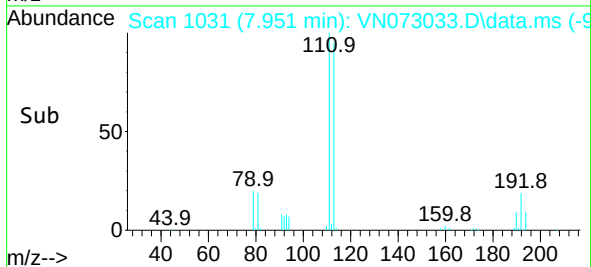
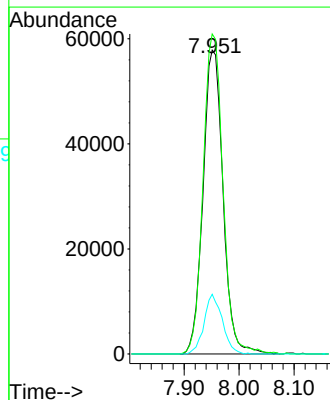
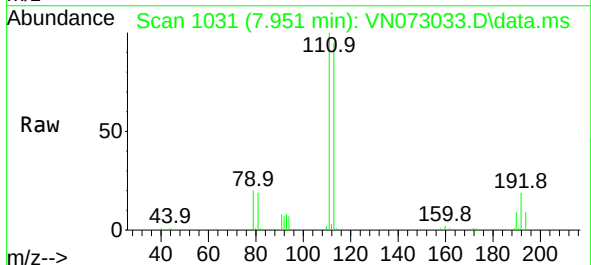
Instrument :
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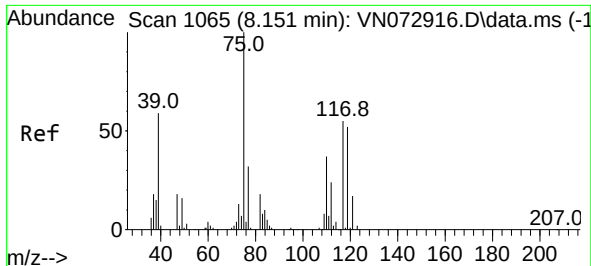
Tgt Ion:114 Resp: 459783
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.492 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion:113 Resp: 146333
Ion Ratio Lower Upper
113 100
111 104.6 81.4 122.0
192 18.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.932 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073033.D

Acq: 22 Jun 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

MW-7

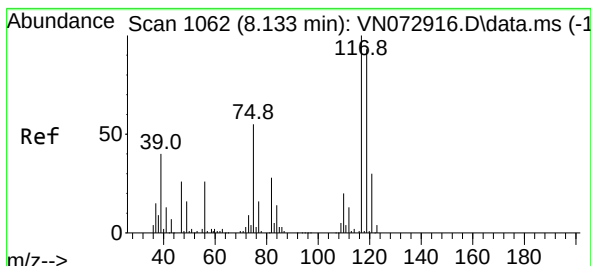
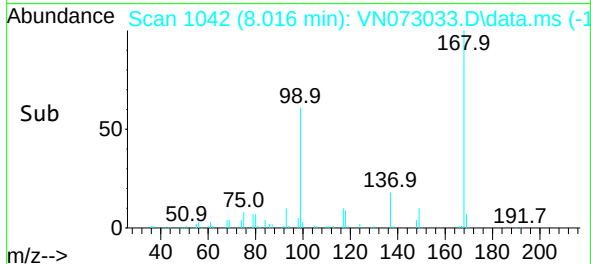
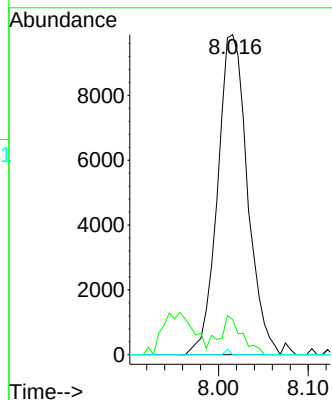
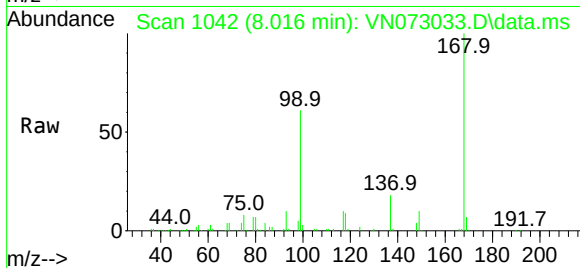
Tgt Ion: 75 Resp: 22812

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.127 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073033.D

Acq: 22 Jun 2022 18:31

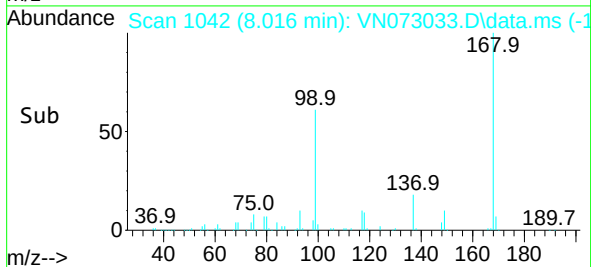
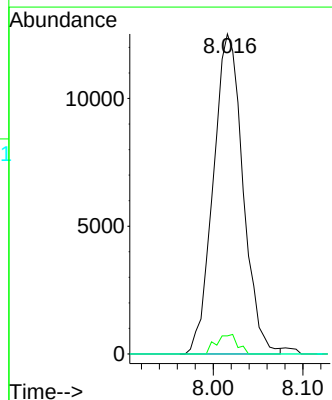
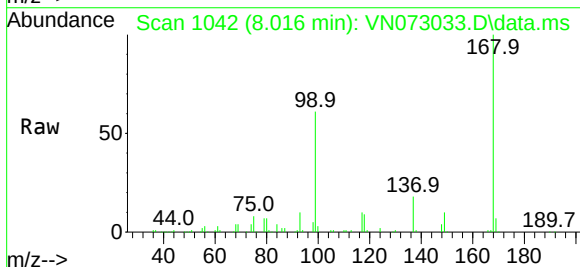
Tgt Ion: 117 Resp: 28826

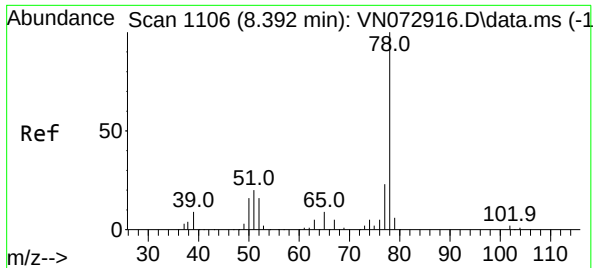
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

121 0.0 24.6 37.0#

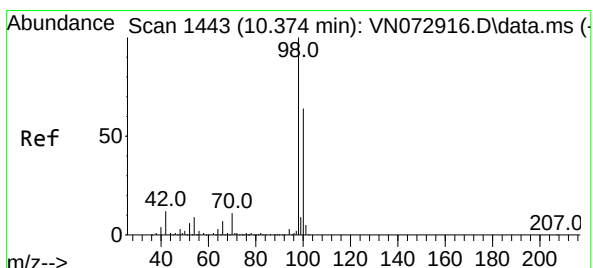
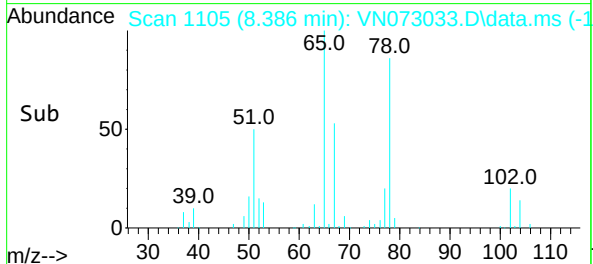
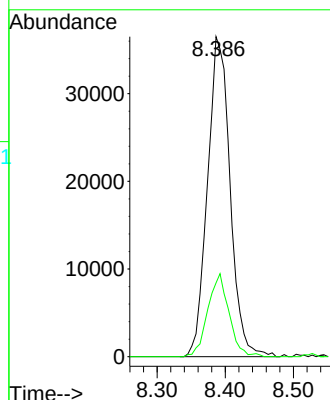
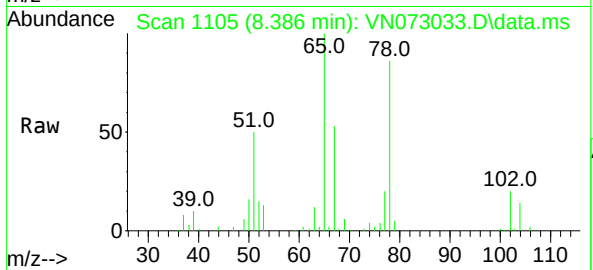




#40
Benzene
Concen: 6.978 ug/l
RT: 8.386 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

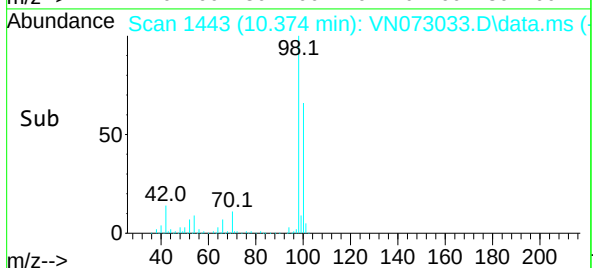
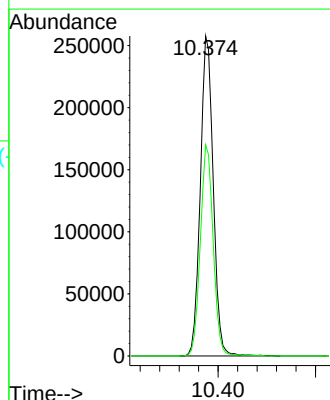
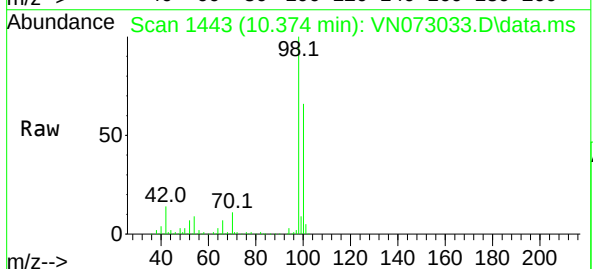
Instrument :
MSVOA_N
ClientSampleId :
MW-7

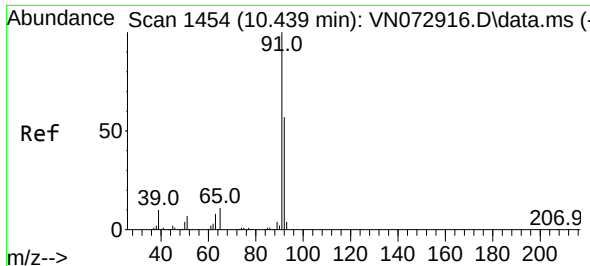
Tgt Ion: 78 Resp: 84325
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.0



#50
Toluene-d8
Concen: 44.957 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 98 Resp: 475402
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

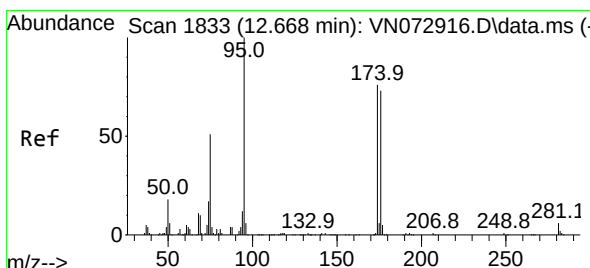
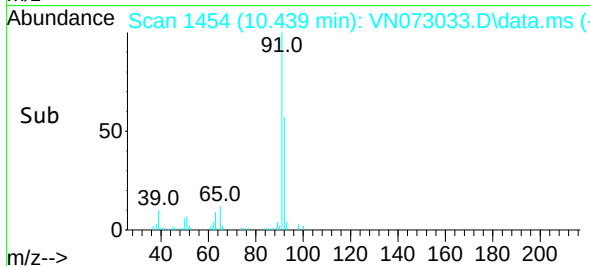
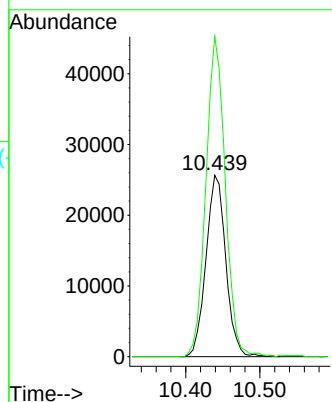
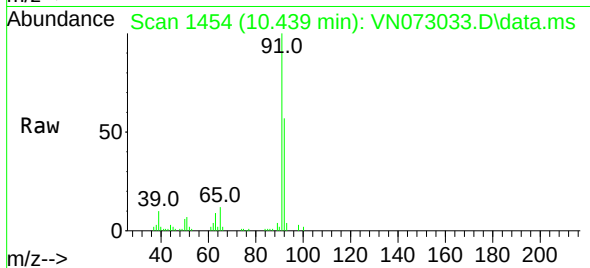




#52
Toluene
Concen: 6.423 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

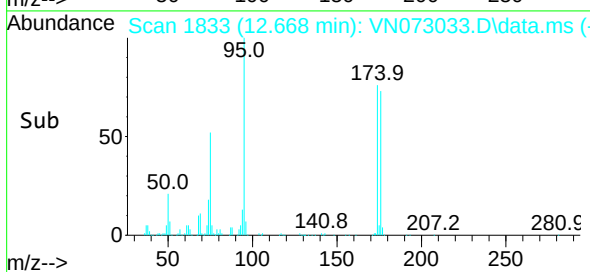
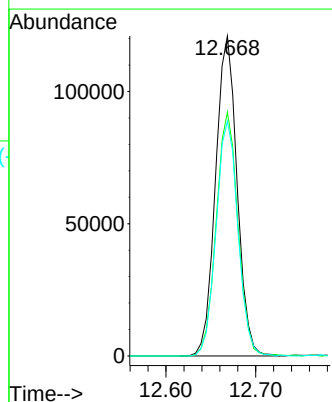
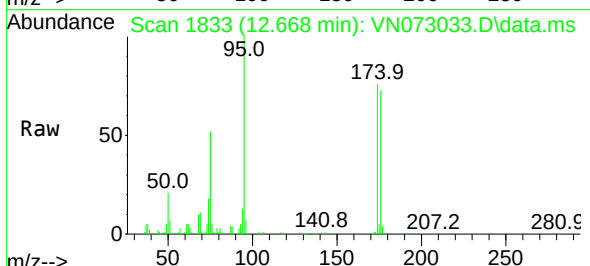
Instrument :
MSVOA_N
ClientSampleId :
MW-7

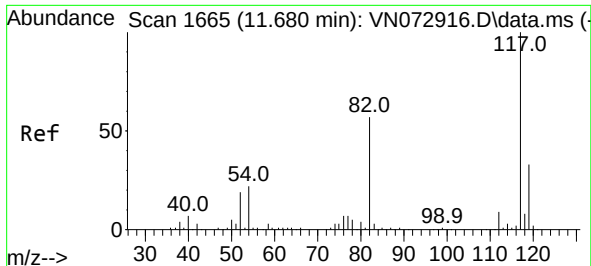
Tgt Ion: 92 Resp: 47657
Ion Ratio Lower Upper
92 100
91 172.8 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 52.990 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 95 Resp: 201496
Ion Ratio Lower Upper
95 100
174 76.8 0.0 167.6
176 74.2 0.0 163.4

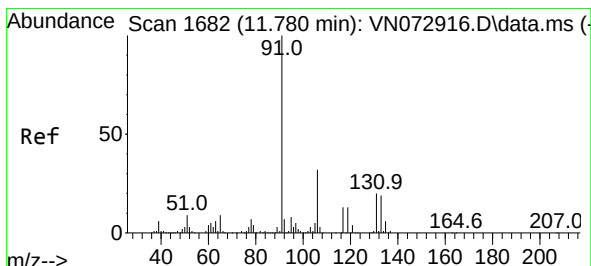
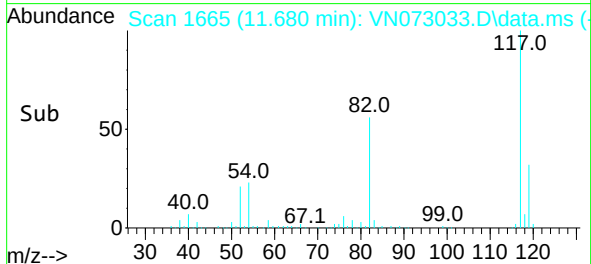
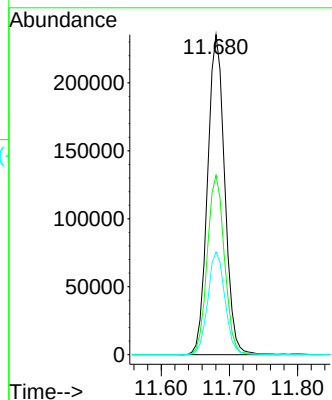
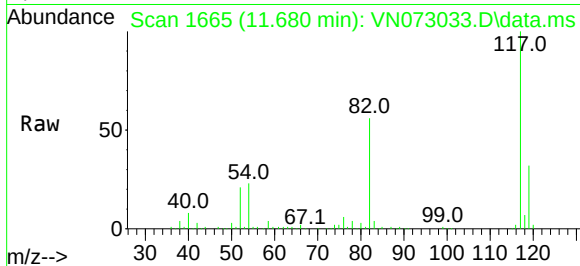




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

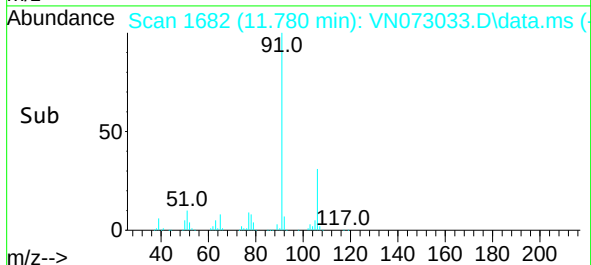
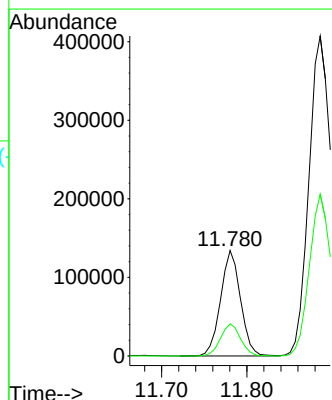
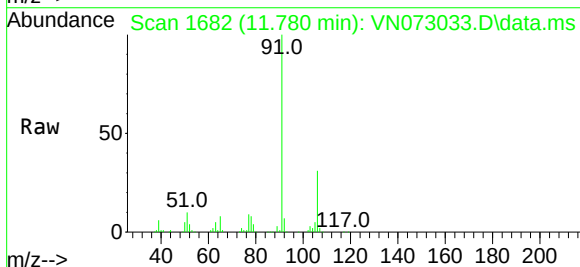
Instrument :
MSVOA_N
ClientSampleId :
MW-7

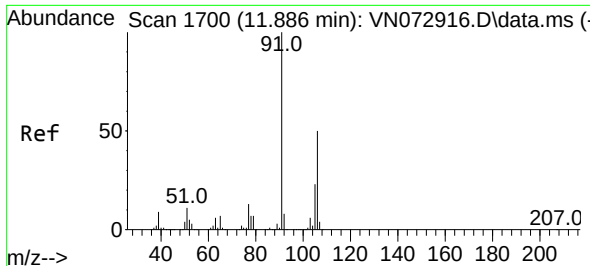
Tgt Ion:117 Resp: 411882
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.0 25.4 38.0



#67
Ethyl Benzene
Concen: 15.391 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 91 Resp: 217940
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

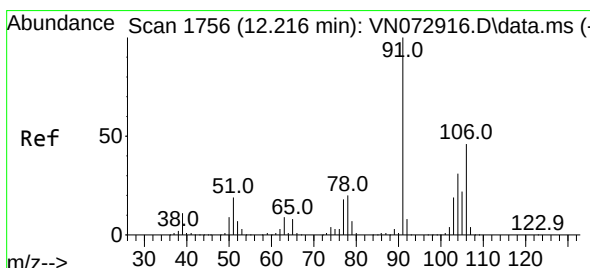
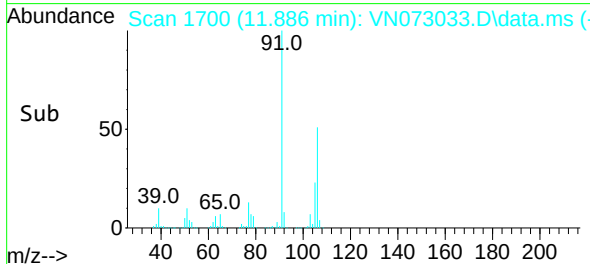
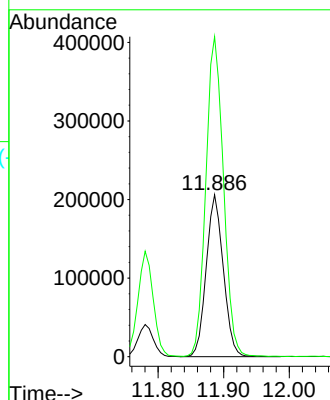
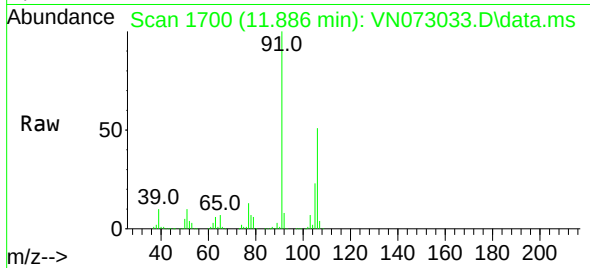




#68
m/p-Xylenes
Concen: 67.235 ug/l
RT: 11.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

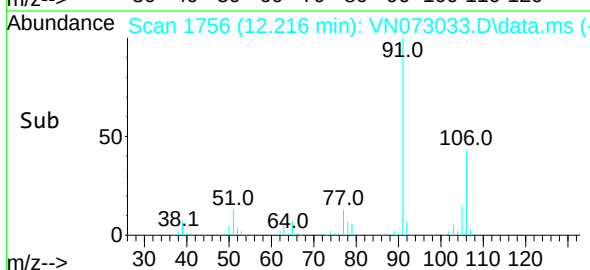
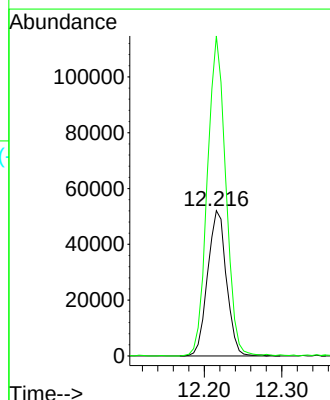
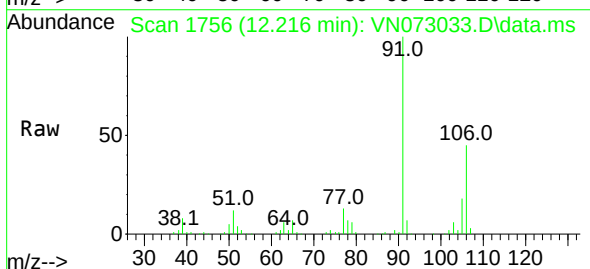
Instrument :
MSVOA_N
ClientSampleId :
MW-7

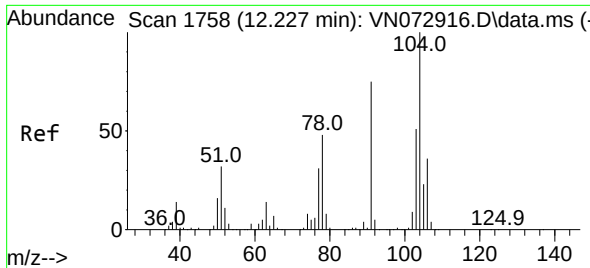
Tgt Ion:106 Resp: 373408
Ion Ratio Lower Upper
106 100
91 203.6 158.9 238.3



#69
o-Xylene
Concen: 15.801 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion:106 Resp: 87688
Ion Ratio Lower Upper
106 100
91 215.5 106.0 318.0

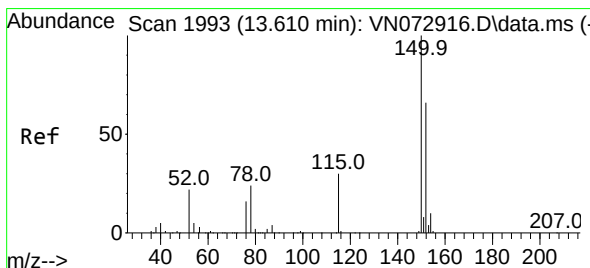
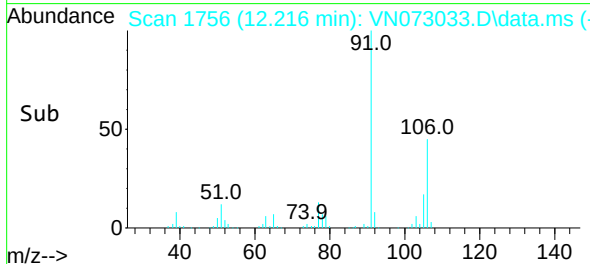
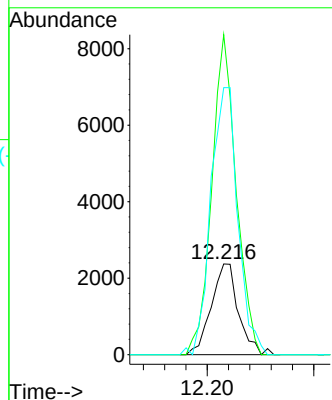
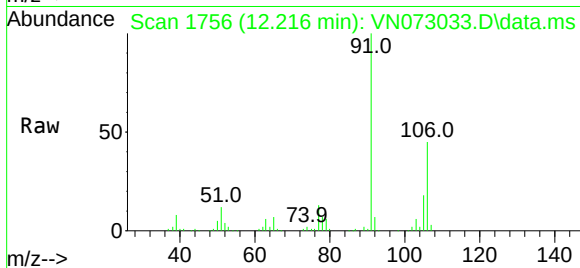




#70
Styrene
Concen: 0.470 ug/l
RT: 12.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

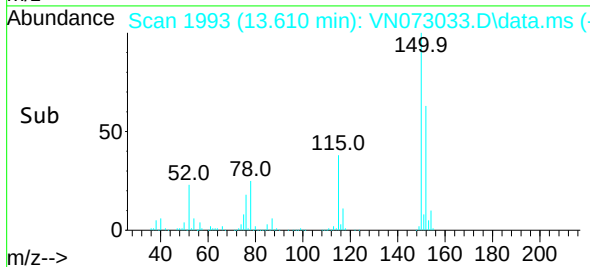
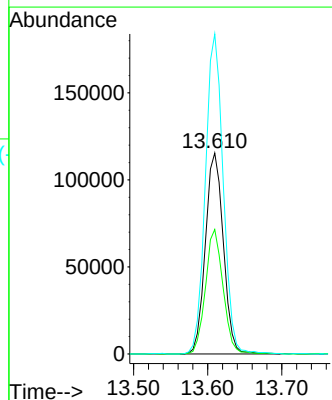
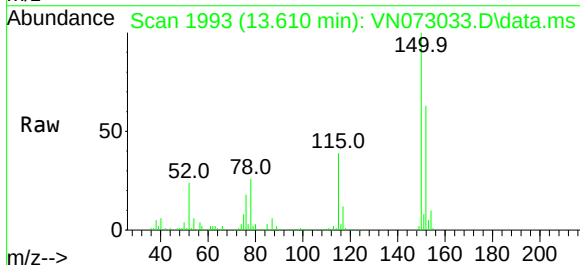
Instrument :
MSVOA_N
ClientSampleId :
MW-7

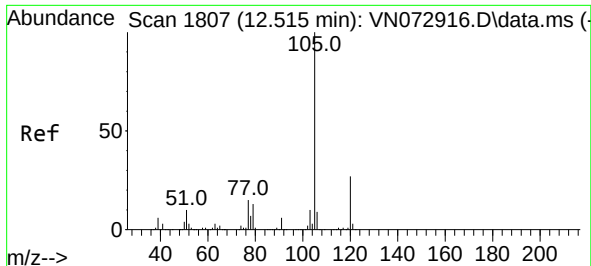
Tgt Ion	Ratio	Lower	Upper
104	100		
78	316.3	39.5	59.3#
103	293.7	44.0	66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.9	86.7
150	157.5	0.0	356.2

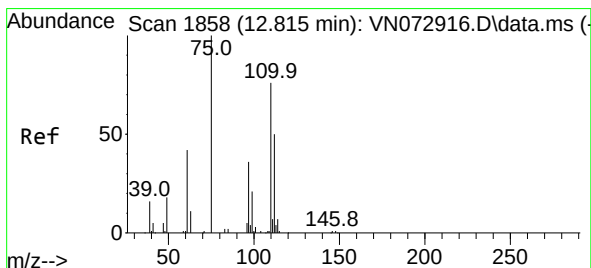
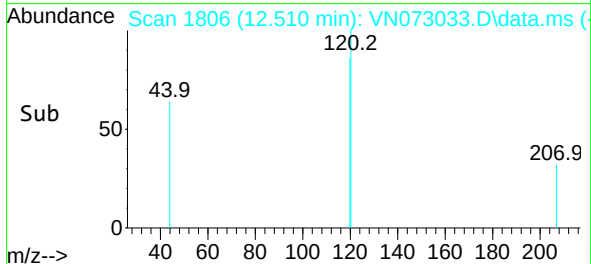
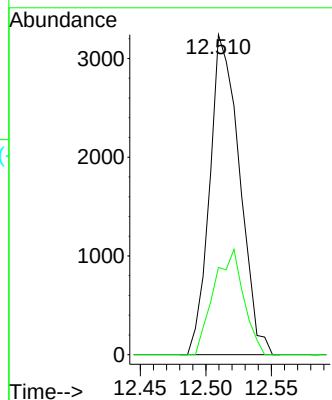
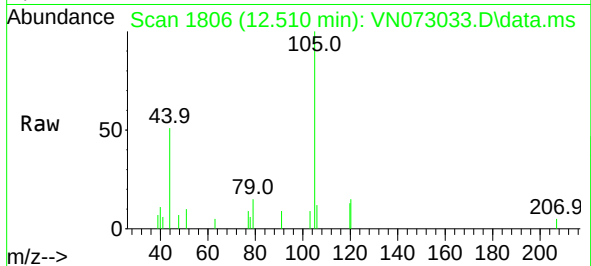




#73
Isopropylbenzene
Concen: 0.340 ug/l
RT: 12.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

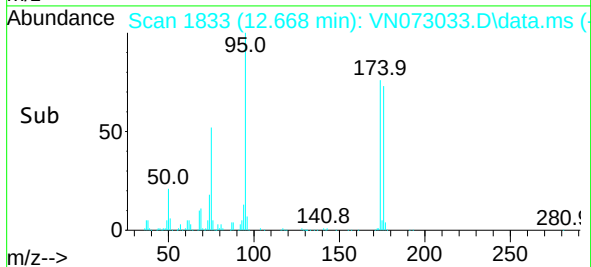
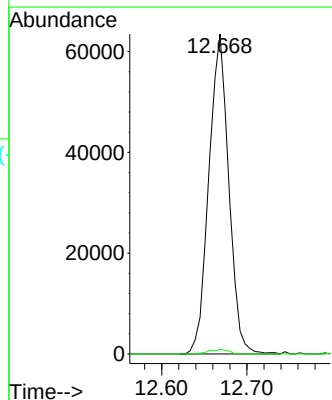
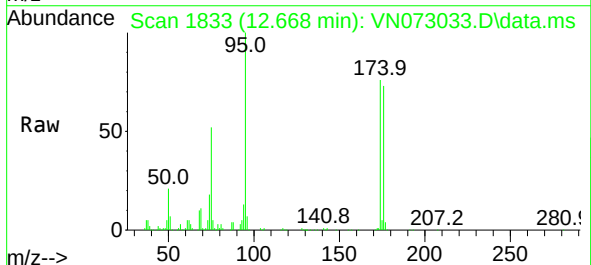
Instrument :
MSVOA_N
ClientSampleId :
MW-7

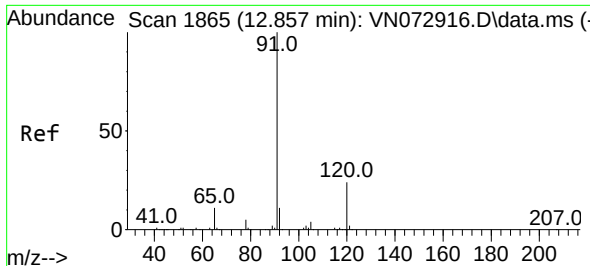
Tgt Ion:105 Resp: 5129
Ion Ratio Lower Upper
105 100
120 32.9 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 21.847 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 75 Resp: 103337
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

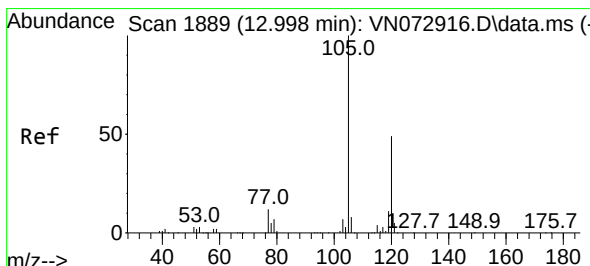
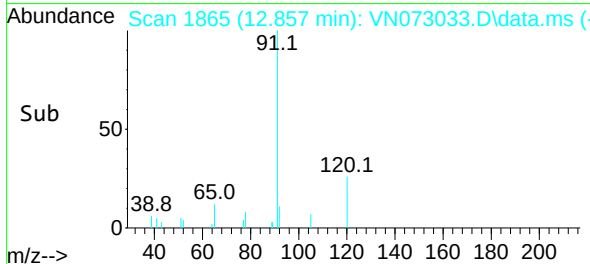
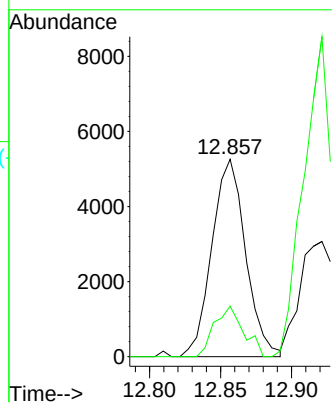
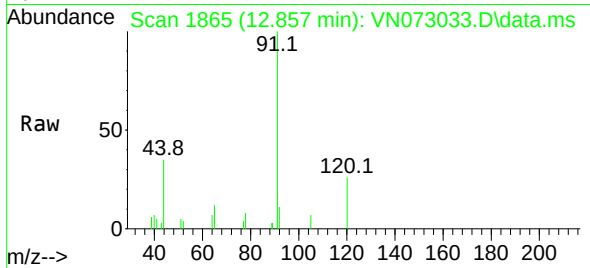




#78
n-propylbenzene
Concen: 0.524 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

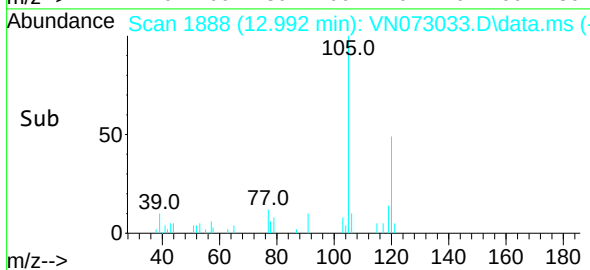
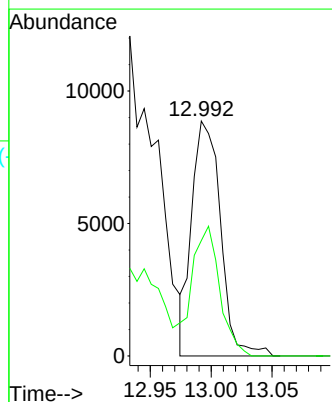
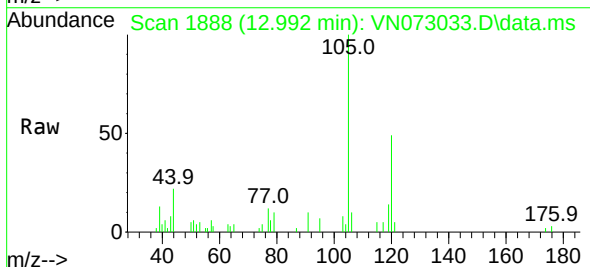
Instrument :
MSVOA_N
ClientSampleId :
MW-7

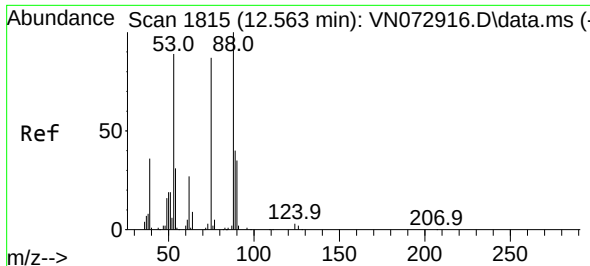
Tgt Ion: 91 Resp: 8700
Ion Ratio Lower Upper
91 100
120 22.1 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 1.173 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 105 Resp: 14540
Ion Ratio Lower Upper
105 100
120 54.9 24.9 74.7

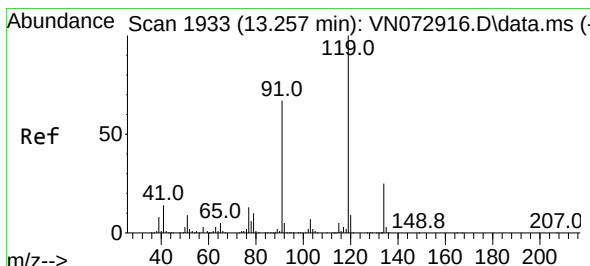
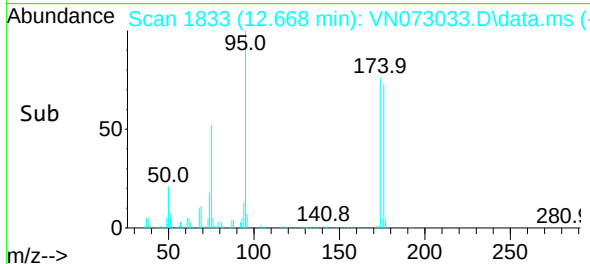
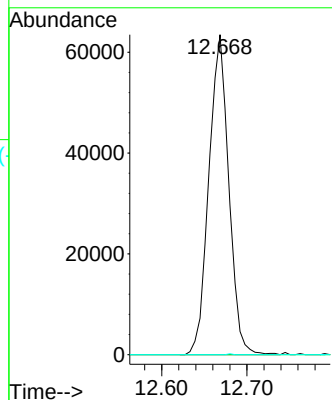
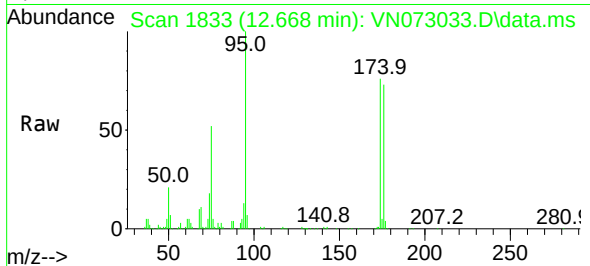




#81
trans-1,4-Dichloro-2-butene
Concen: 59.002 ug/l
RT: 12.668 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

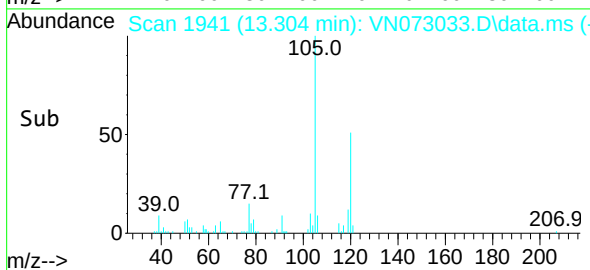
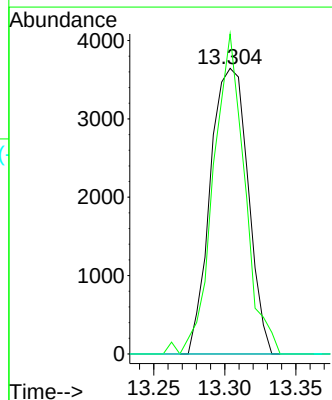
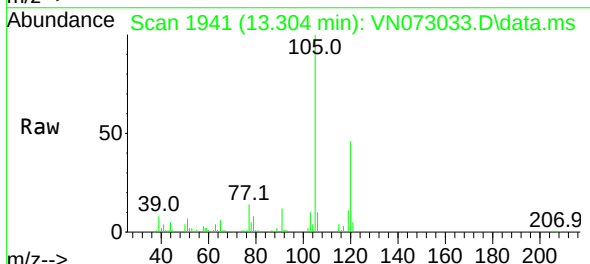
Instrument :
MSVOA_N
ClientSampleId :
MW-7

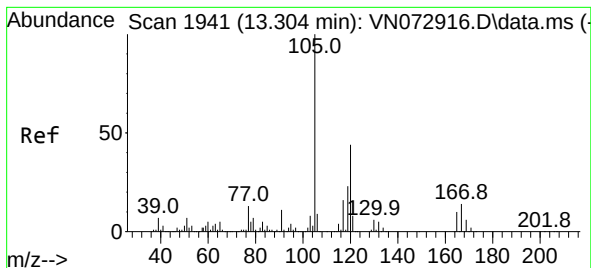
Tgt Ion: 75 Resp: 103337
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#83
tert-Butylbenzene
Concen: 0.592 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.047 min
Lab File: VN073033.D
Acq: 22 Jun 2022 18:31

Tgt Ion: 119 Resp: 6722
Ion Ratio Lower Upper
119 100
91 93.4 31.6 94.8
134 0.0 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 4.305 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN073033.D

Acq: 22 Jun 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

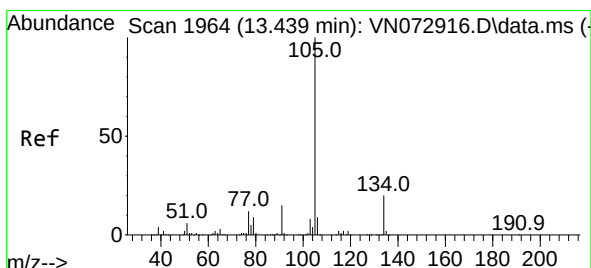
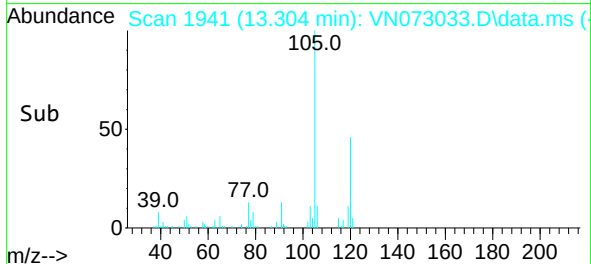
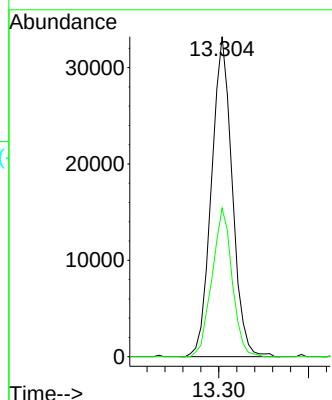
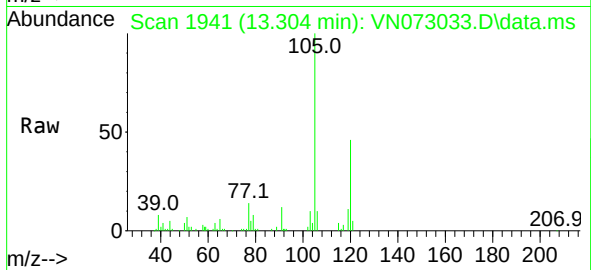
MW-7

Tgt Ion:105 Resp: 53158

Ion Ratio Lower Upper

105 100

120 45.1 23.3 69.8



#85

sec-Butylbenzene

Concen: 3.510 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.135 min

Lab File: VN073033.D

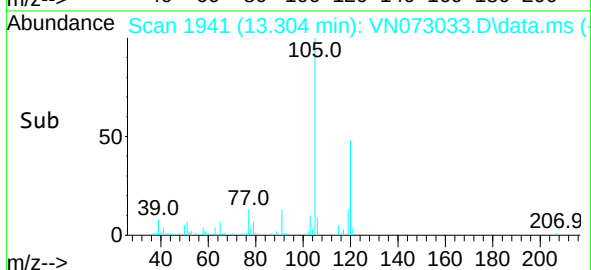
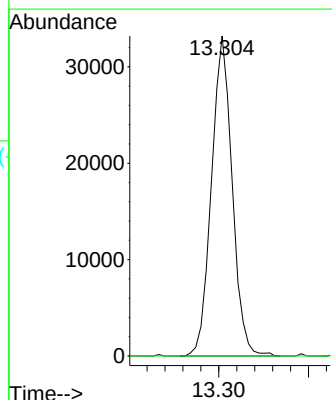
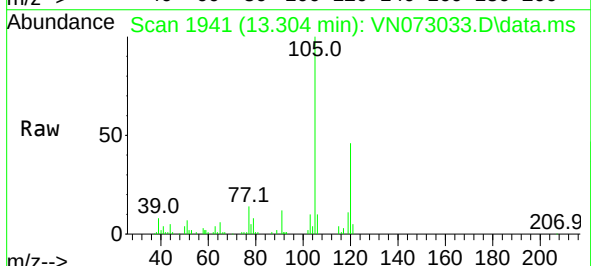
Acq: 22 Jun 2022 18:31

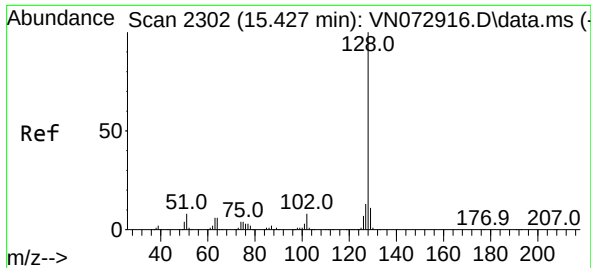
Tgt Ion:105 Resp: 53158

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#





#95

Naphthalene

Concen: 3.777 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073033.D

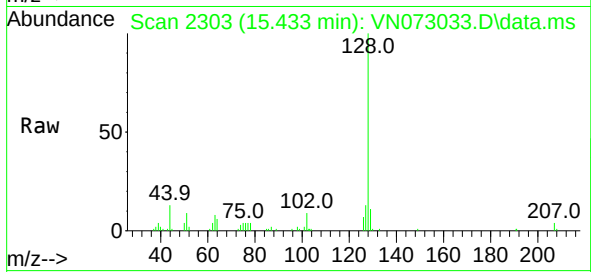
Acq: 22 Jun 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

MW-7



Tgt Ion:128 Resp: 56924

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.7 8.6 13.0

