

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
 Data File : VN072137.D
 Acq On : 21 Apr 2022 19:57
 Operator : JC\MD
 Sample : N2481-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

Quant Time: Apr 22 01:26:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

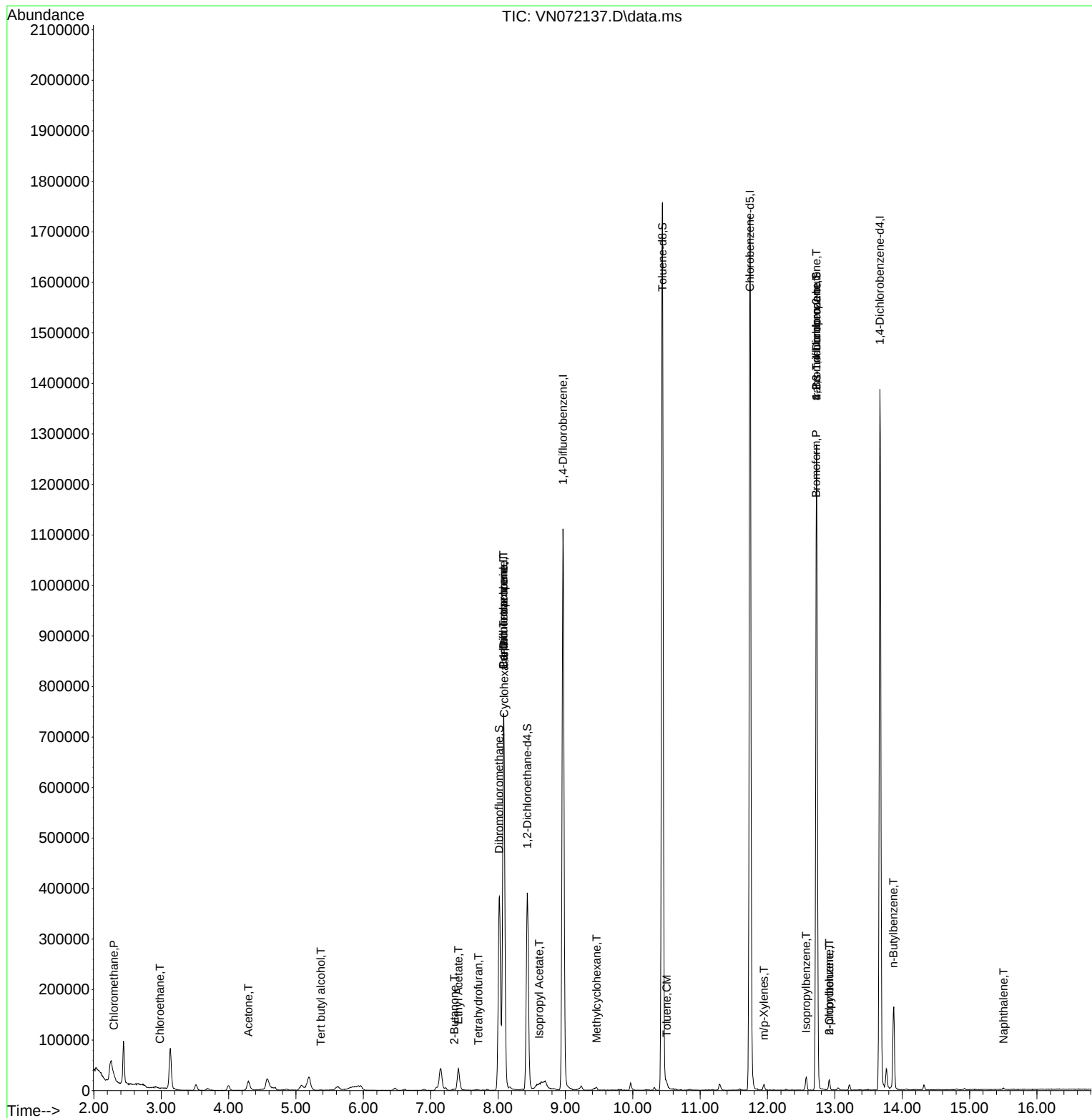
Internal Standards						
1) Pentafluorobenzene	8.081	168	596927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1031341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1105908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	424318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	320834	47.080	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.160%		
35) Dibromofluoromethane	8.016	113	290955	47.942	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.880%		
50) Toluene-d8	10.439	98	1302735	52.474	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.940%		
62) 4-Bromofluorobenzene	12.727	95	451684	56.255	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1448	0.241	ug/l #	70
6) Chloroethane	2.981	64	1278	0.269	ug/l #	42
11) Tert butyl alcohol	5.369	59	1646	1.488	ug/l #	72
16) Acetone	4.293	43	30051	10.319	ug/l	99
18) Methyl Acetate	4.851	43	5724	Below Cal	#	87
25) 2-Butanone	7.351	43	3650	0.869	ug/l	98
29) Tetrahydrofuran	7.710	42	1149	0.423	ug/l #	29
31) Cyclohexane	8.092	56	37807	4.080	ug/l #	73
36) 1,1-Dichloropropene	8.081	75	38230	4.511	ug/l #	50
37) Ethyl Acetate	7.410	43	63355	6.830	ug/l	96
38) Carbon Tetrachloride	8.081	117	51411	6.190	ug/l #	17
39) Methylcyclohexane	9.463	83	2840	0.282	ug/l	93
43) Isopropyl Acetate	8.610	43	14947	0.969	ug/l #	53
52) Toluene	10.504	92	3578	0.211	ug/l	85
68) m/p-Xylenes	11.945	106	3731	0.259	ug/l	99
71) Bromoform	12.721	173	2300	0.378	ug/l #	28
73) Isopropylbenzene	12.574	105	17171	0.480	ug/l	100
76) 1,2,3-Trichloropropane	12.727	75	215034	21.876	ug/l #	1
78) n-propylbenzene	12.916	91	16429	0.437	ug/l	95
79) 2-Chlorotoluene	12.916	91	16429	0.681	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.727	75	215034	67.793	ug/l #	10
89) n-Butylbenzene	13.868	91	13943	0.702	ug/l #	41
95) Naphthalene	15.504	128	3217	3.957	ug/l #	89

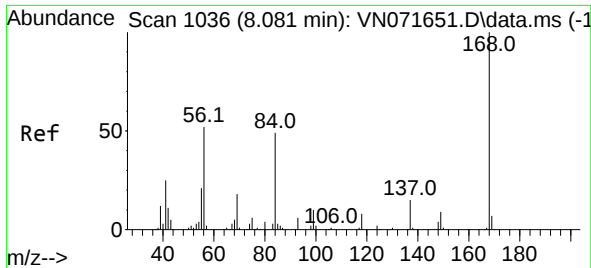
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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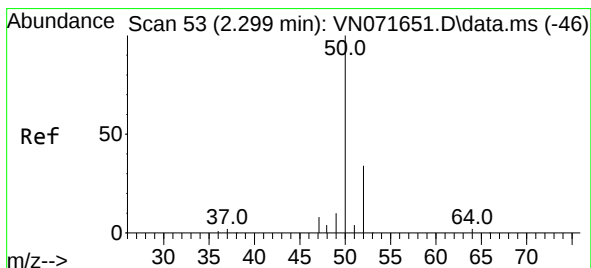
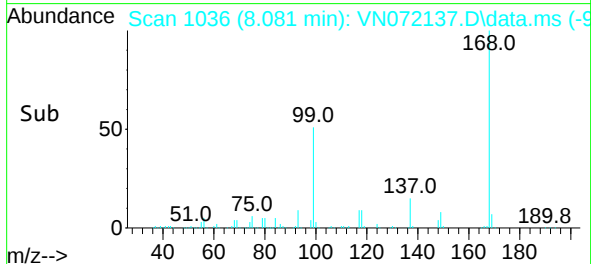
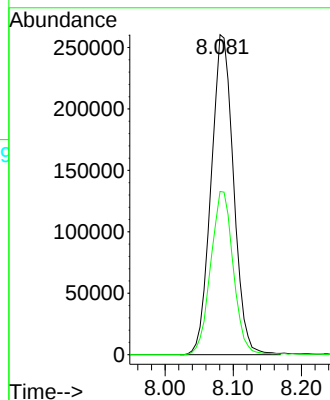
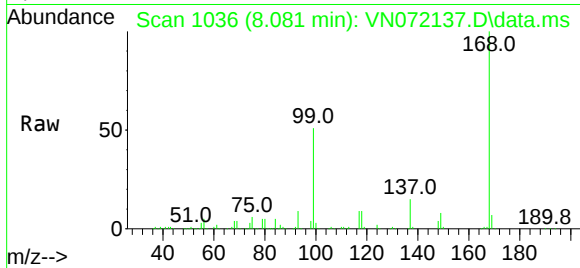




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

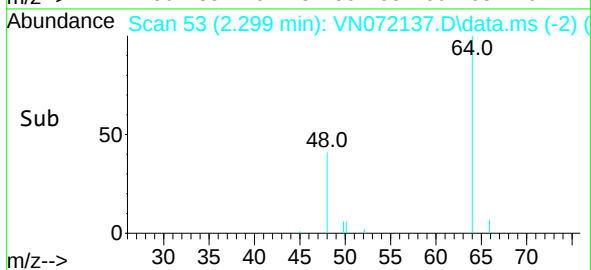
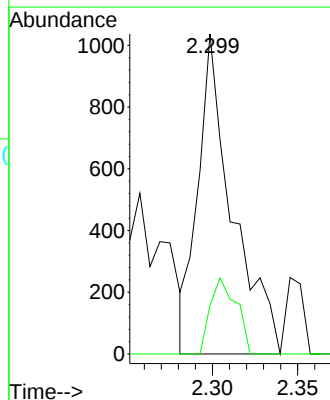
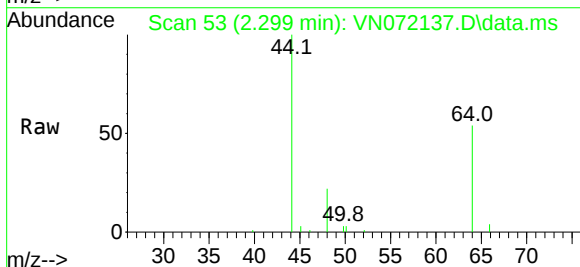
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

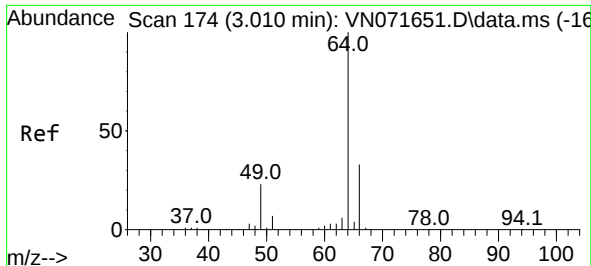
Tgt Ion:168 Resp: 596927
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 50 Resp: 1448
Ion Ratio Lower Upper
50 100
52 15.1 25.7 38.5#

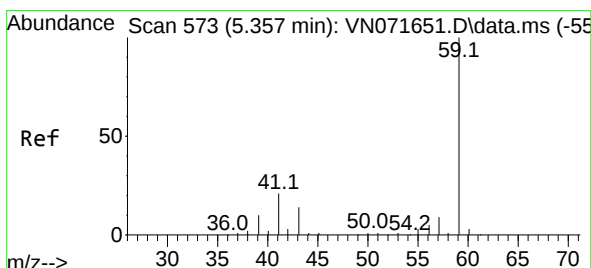
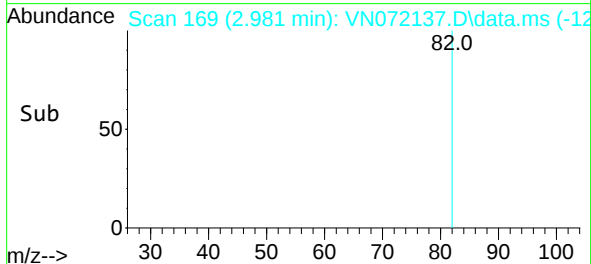
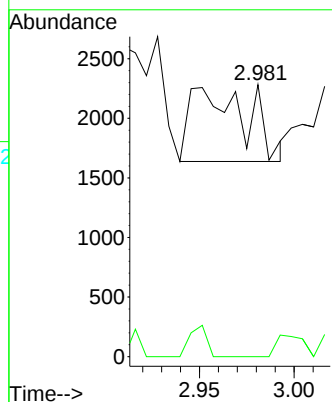
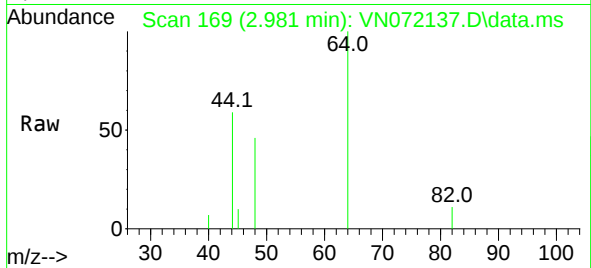




#6
Chloroethane
Concen: 0.269 ug/l
RT: 2.981 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

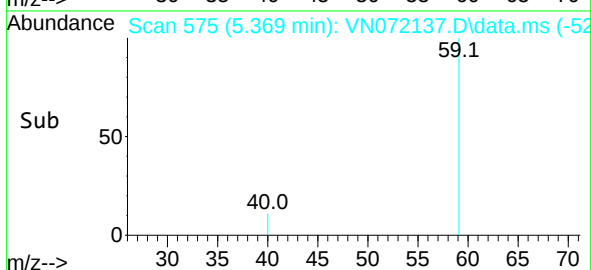
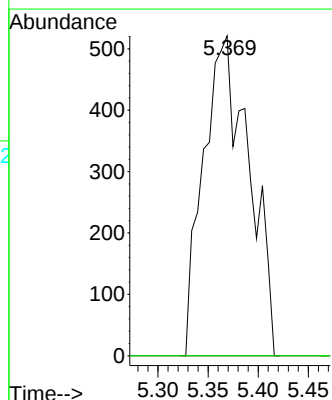
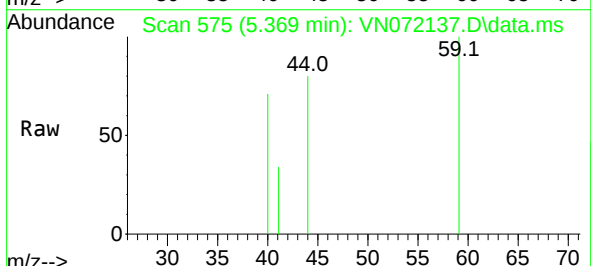
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

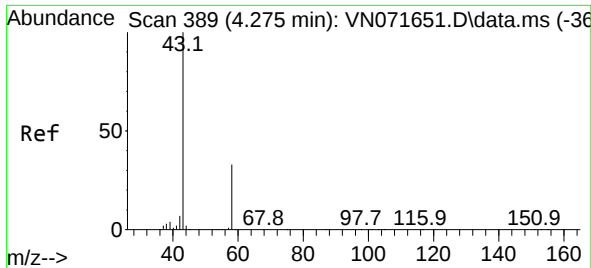
Tgt Ion: 64 Resp: 1278
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.488 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 59 Resp: 1646
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 10.319 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.018 min

Lab File: VN072137.D

Acq: 21 Apr 2022 19:57

Instrument :

MSVOA_N

ClientSampleId :

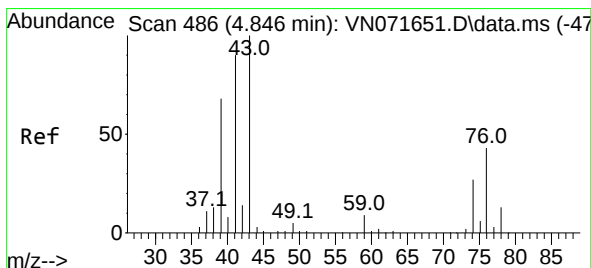
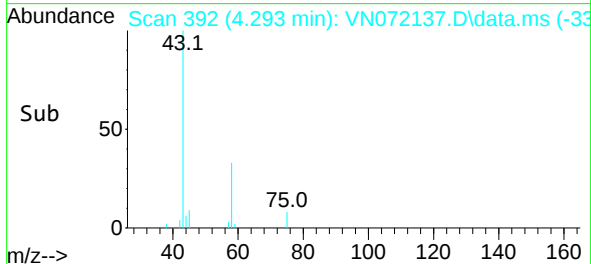
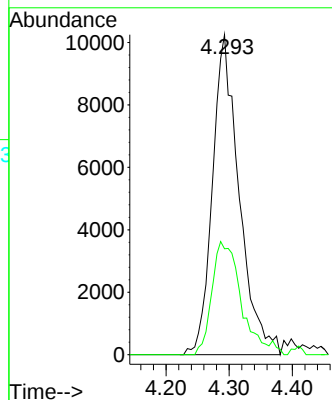
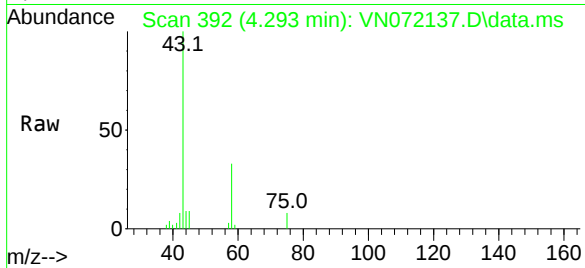
MW-1R

Tgt Ion: 43 Resp: 30051

Ion Ratio Lower Upper

43 100

58 33.1 26.0 39.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.851 min Scan# 487

Delta R.T. 0.005 min

Lab File: VN072137.D

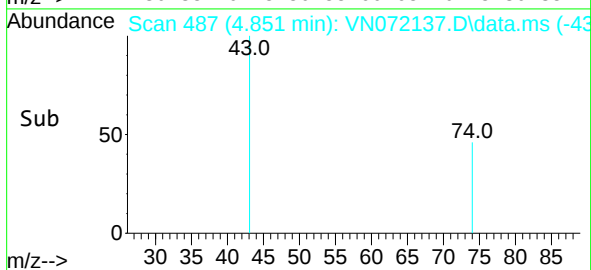
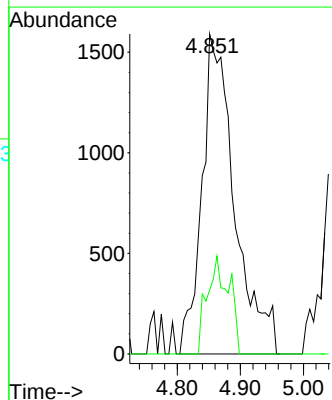
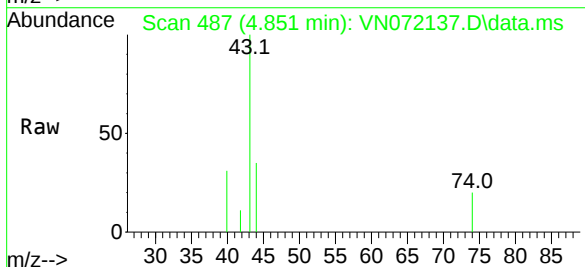
Acq: 21 Apr 2022 19:57

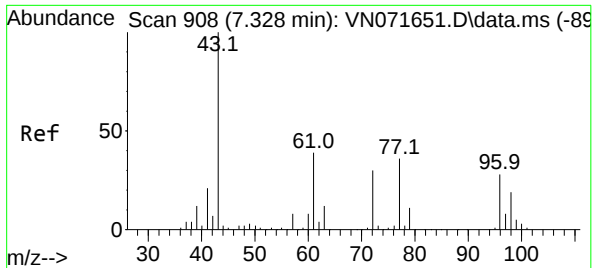
Tgt Ion: 43 Resp: 5724

Ion Ratio Lower Upper

43 100

74 20.4 21.6 32.4#

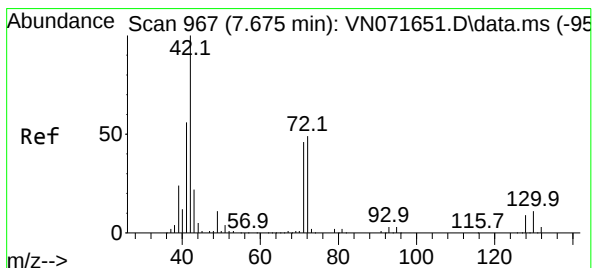
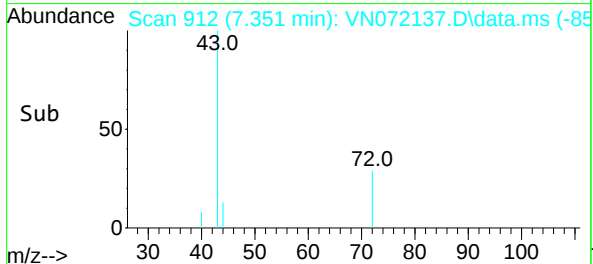
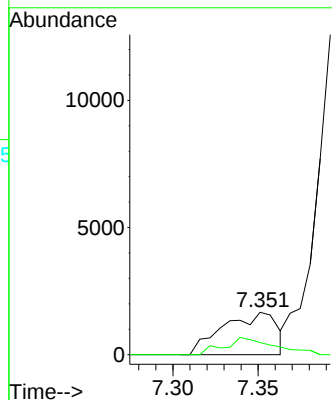
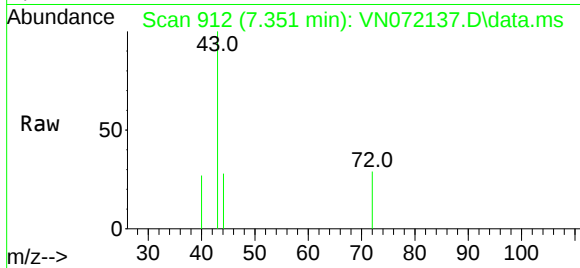




#25
2-Butanone
Concen: 0.869 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

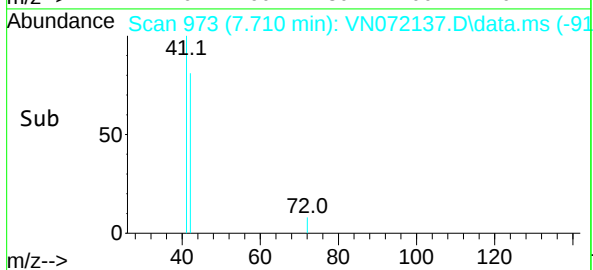
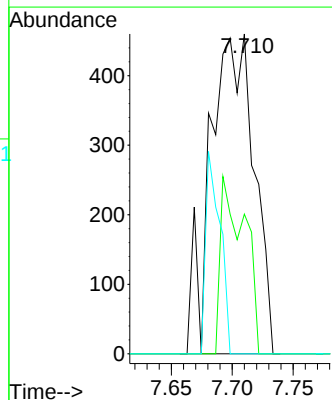
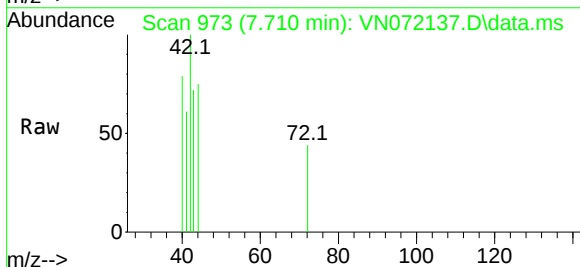
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

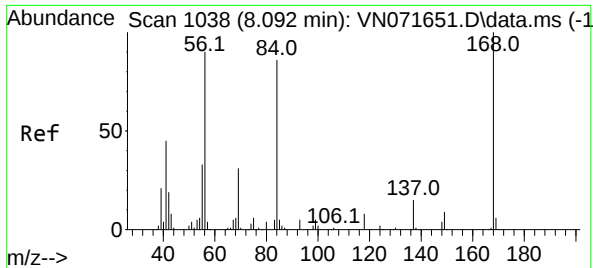
Tgt Ion: 43 Resp: 3650
Ion Ratio Lower Upper
43 100
72 28.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.423 ug/l
RT: 7.710 min Scan# 973
Delta R.T. 0.035 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 42 Resp: 1149
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#

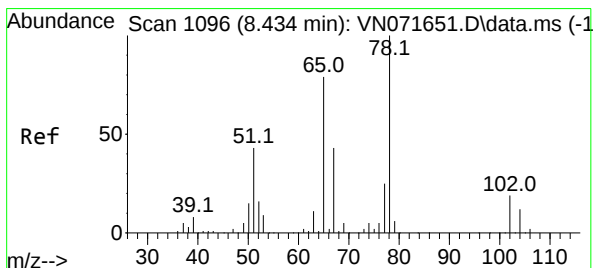
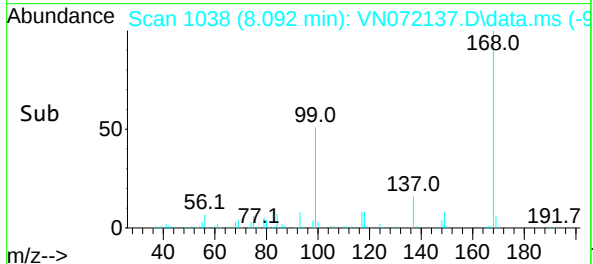
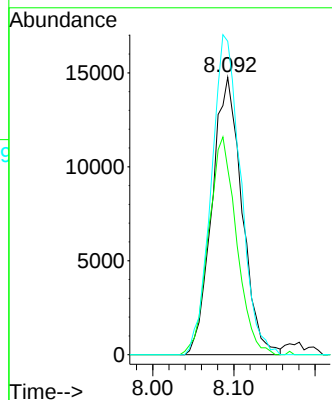
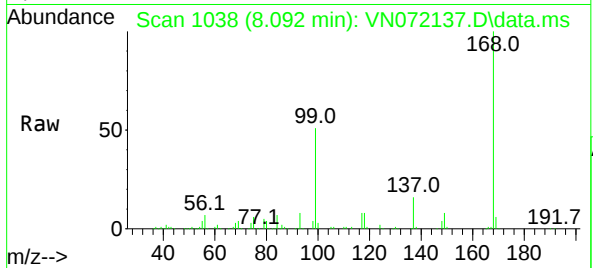




#31
Cyclohexane
Concen: 4.080 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

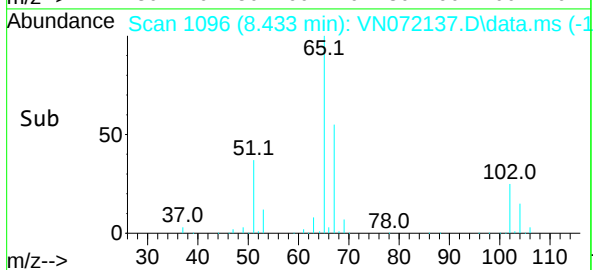
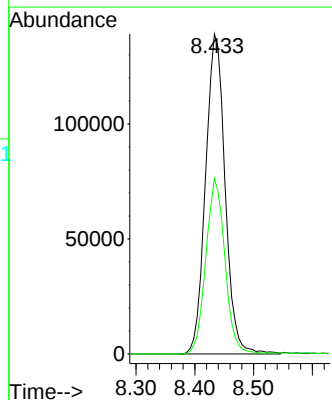
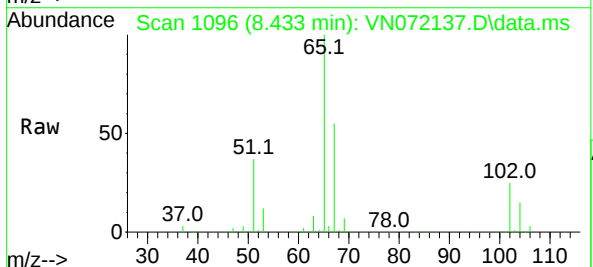
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

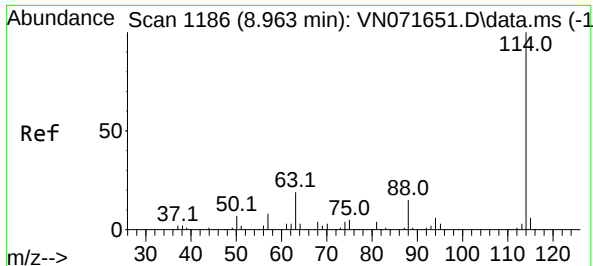
Tgt Ion: 56 Resp: 37807
Ion Ratio Lower Upper
56 100
69 67.1 27.8 41.8#
84 112.9 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 47.080 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 65 Resp: 320834
Ion Ratio Lower Upper
65 100
67 53.6 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: VN072137.D

Acq: 21 Apr 2022 19:57

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

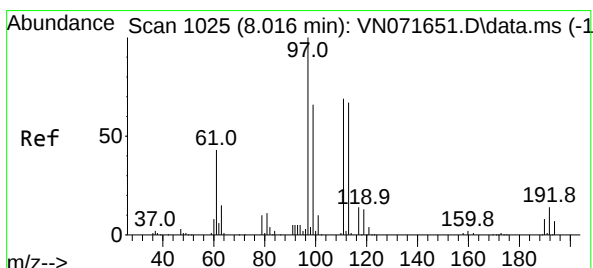
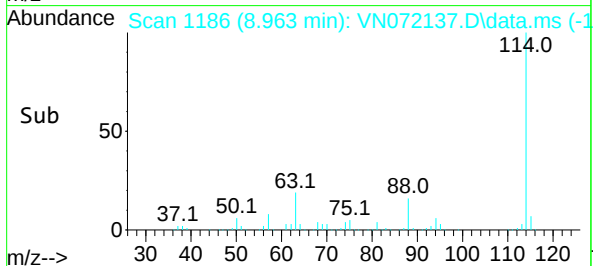
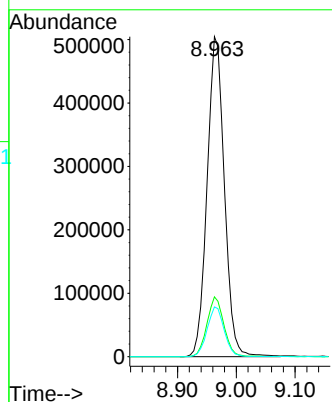
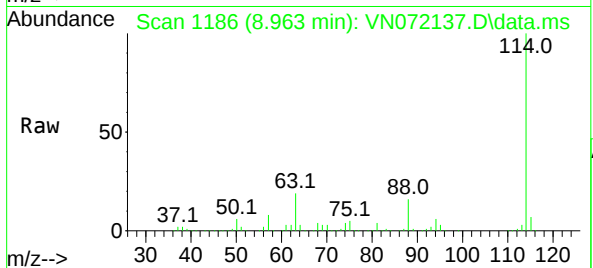
Tgt Ion:114 Resp: 1031341

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.942 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072137.D

Acq: 21 Apr 2022 19:57

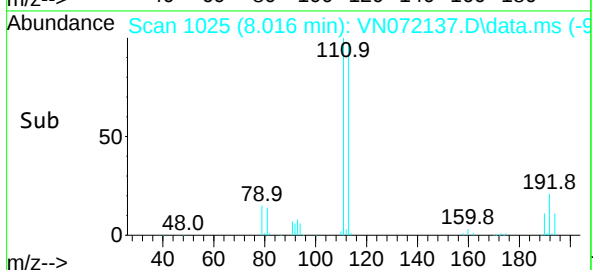
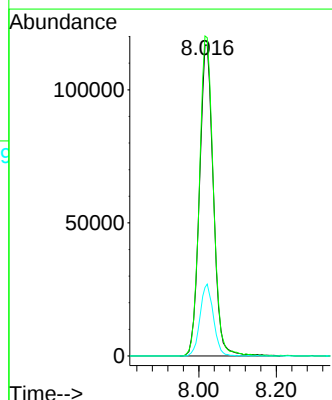
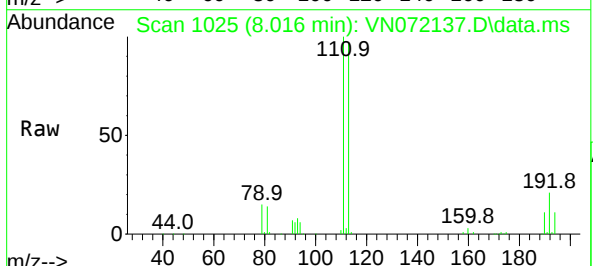
Tgt Ion:113 Resp: 290955

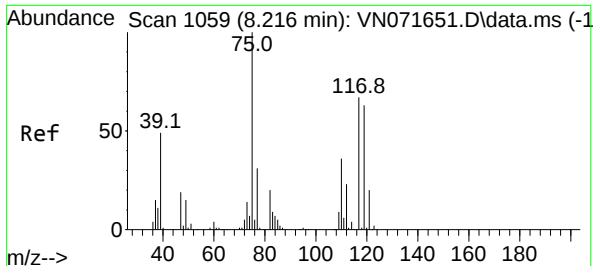
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 22.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.511 ug/l

RT: 8.081 min Scan# 1059

Delta R.T. -0.135 min

Lab File: VN072137.D

Acq: 21 Apr 2022 19:57

Instrument :

MSVOA_N

ClientSampleId :

MW-1R

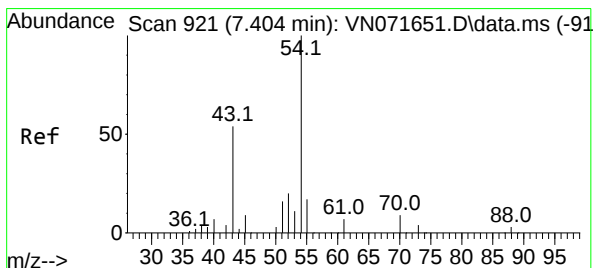
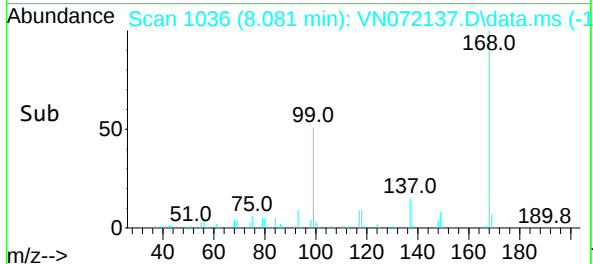
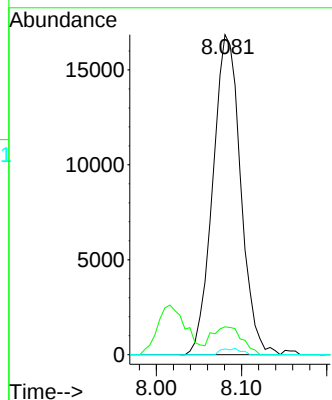
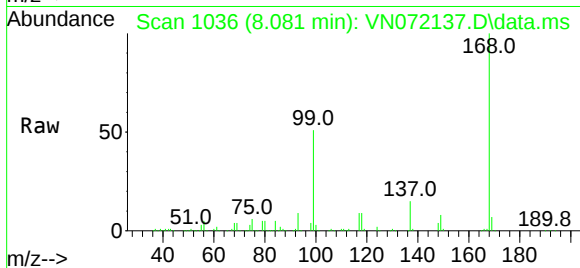
Tgt Ion: 75 Resp: 38230

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 1.4 25.1 37.7#



#37

Ethyl Acetate

Concen: 6.830 ug/l

RT: 7.410 min Scan# 922

Delta R.T. 0.006 min

Lab File: VN072137.D

Acq: 21 Apr 2022 19:57

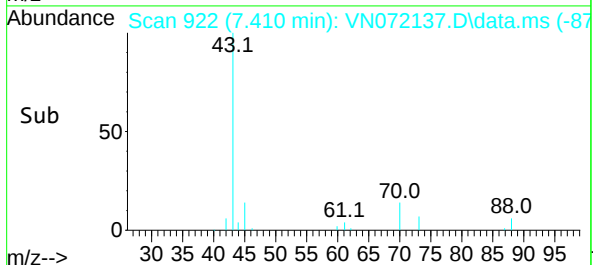
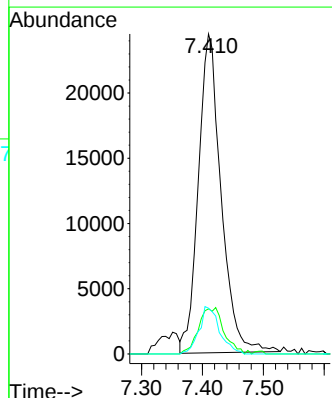
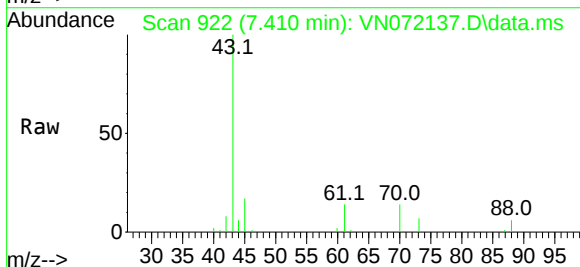
Tgt Ion: 43 Resp: 63355

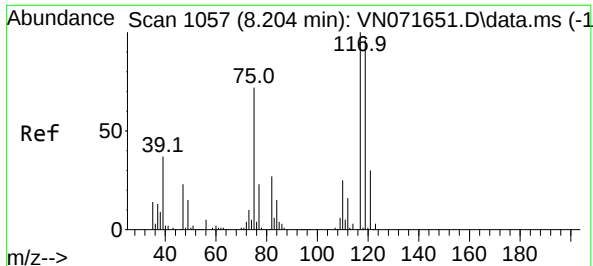
Ion Ratio Lower Upper

43 100

61 16.2 11.8 17.6

70 13.5 9.3 13.9

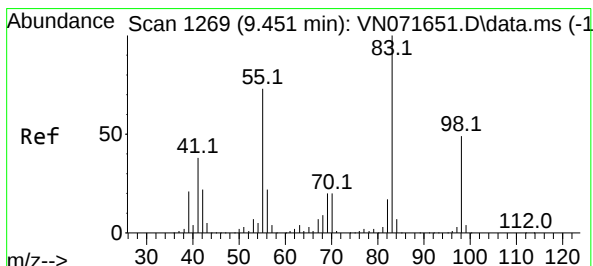
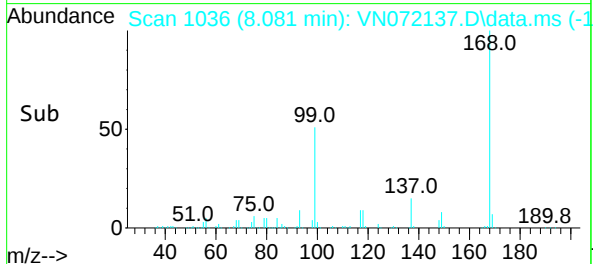
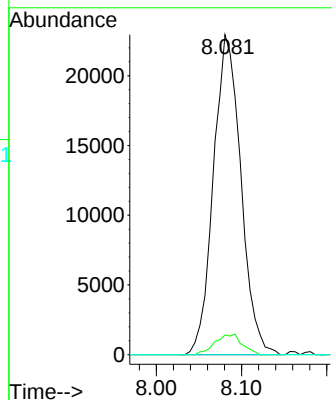
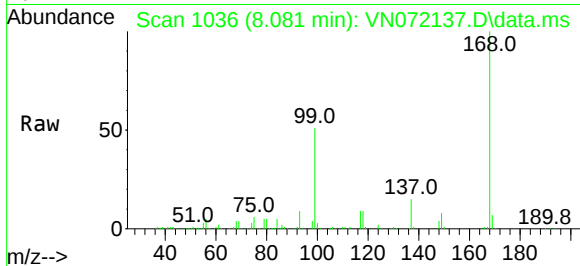




#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

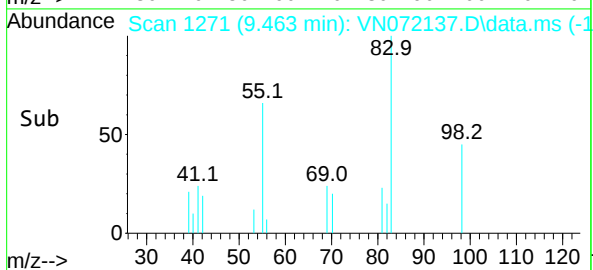
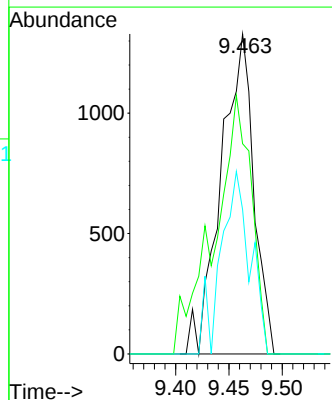
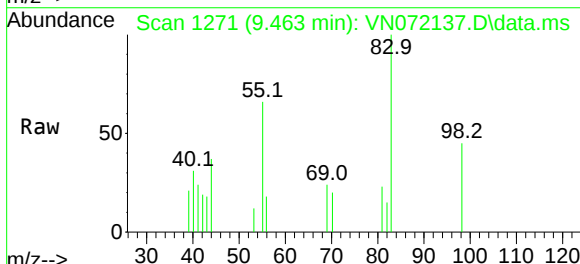
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

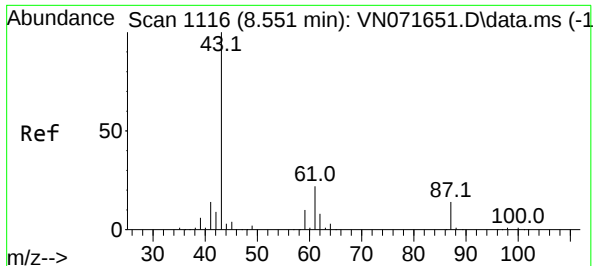
Tgt Ion:117 Resp: 51411
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.282 ug/l
RT: 9.463 min Scan# 1271
Delta R.T. 0.012 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 83 Resp: 2840
Ion Ratio Lower Upper
83 100
55 65.7 57.8 86.8
98 45.1 39.4 59.2

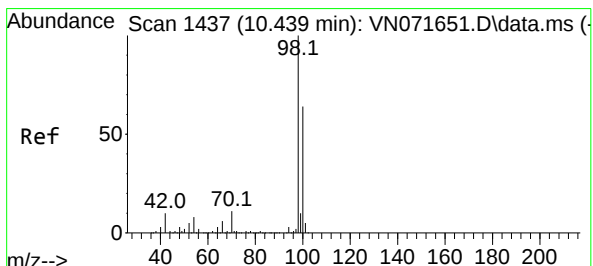
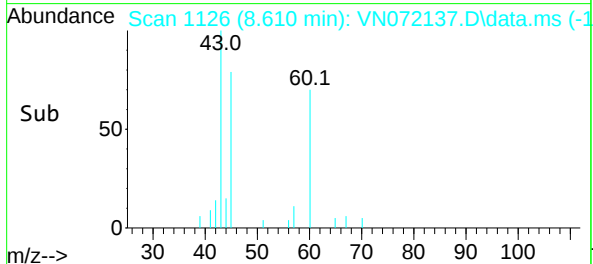
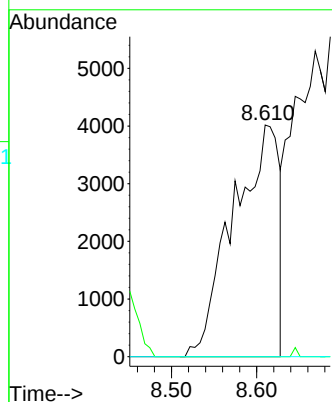
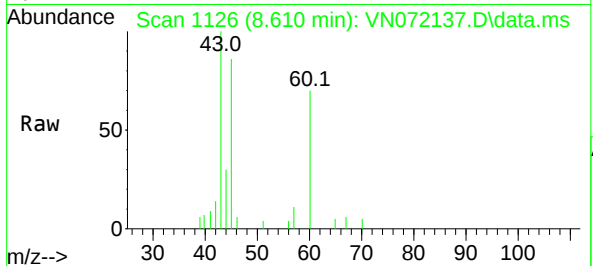




#43
Isopropyl Acetate
Concen: 0.969 ug/l
RT: 8.610 min Scan# 1116
Delta R.T. 0.059 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

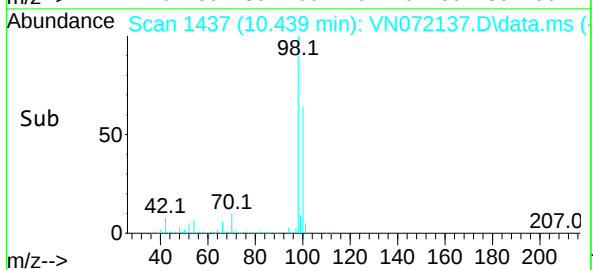
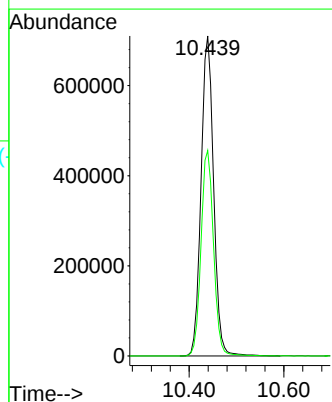
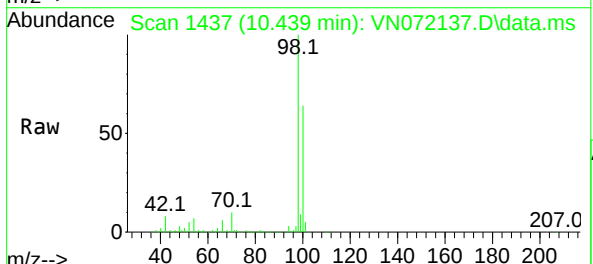
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

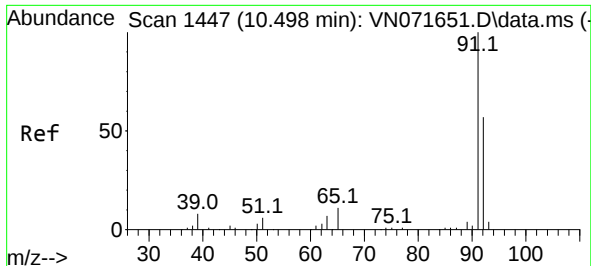
Tgt Ion: 43 Resp: 14947
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 52.474 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 98 Resp: 1302735
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

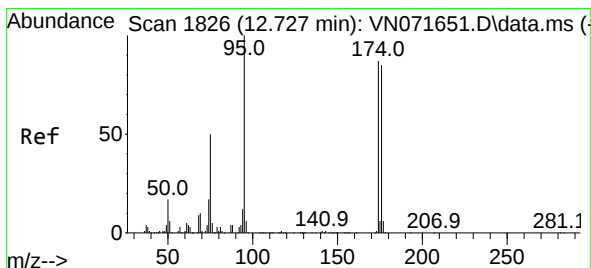
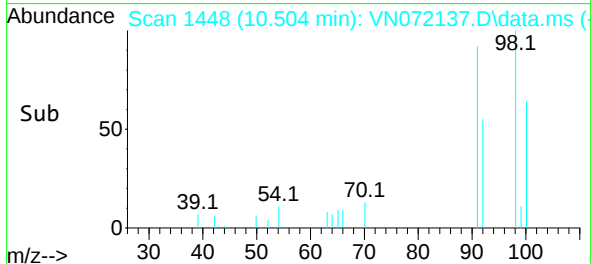
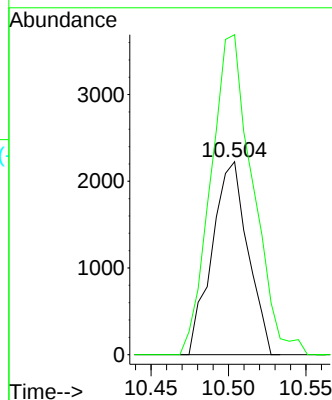
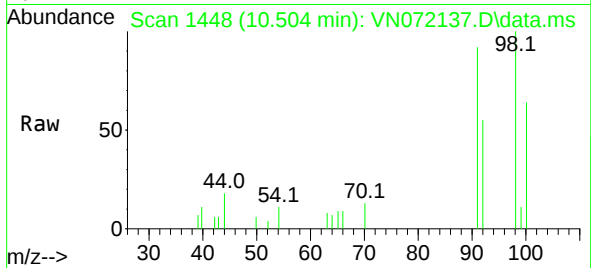




#52
Toluene
Concen: 0.211 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

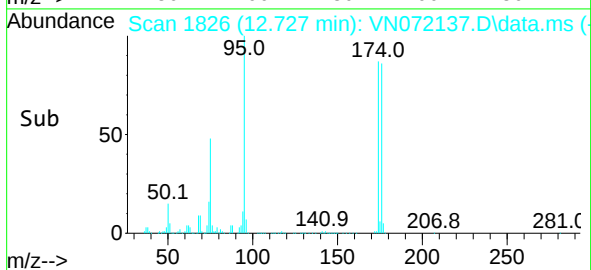
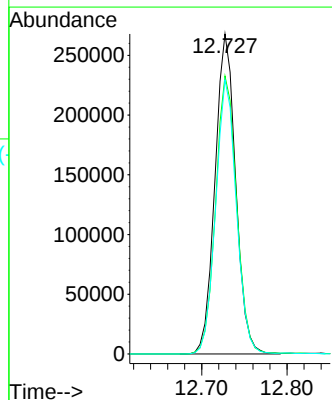
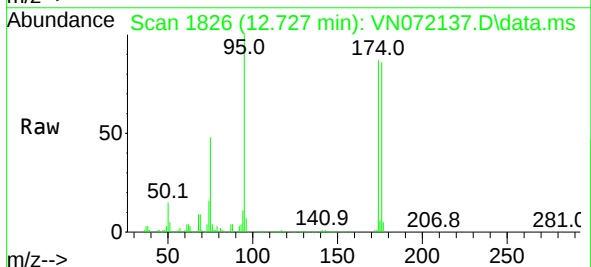
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

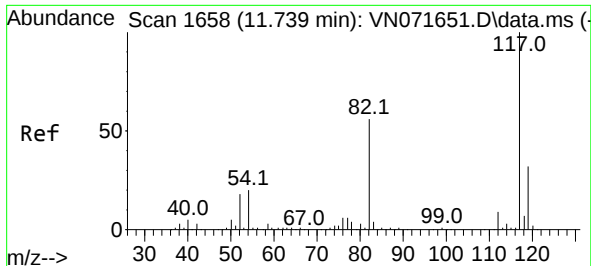
Tgt Ion: 92 Resp: 3578
Ion Ratio Lower Upper
92 100
91 194.2 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 56.255 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 95 Resp: 451684
Ion Ratio Lower Upper
95 100
174 88.4 0.0 167.6
176 85.1 0.0 163.4

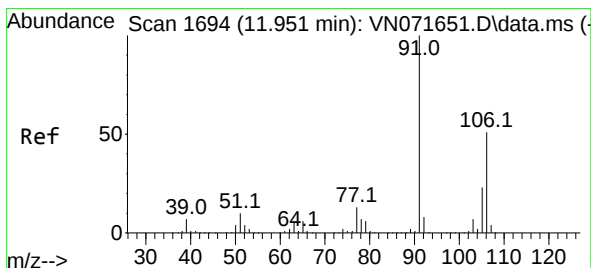
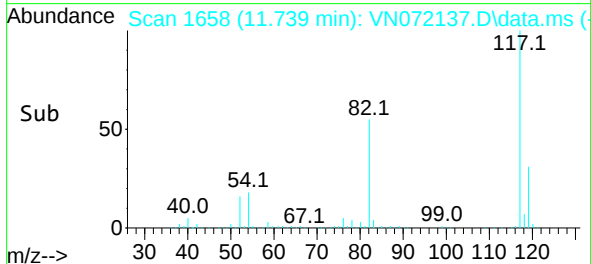
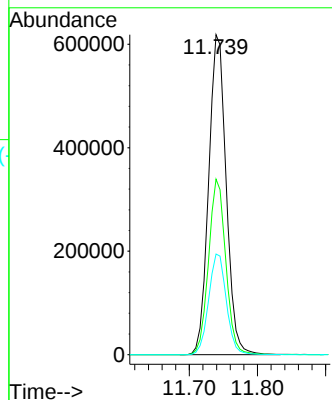
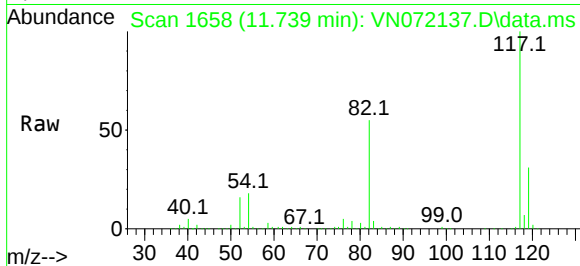




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

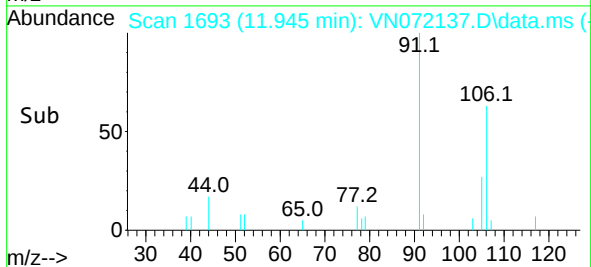
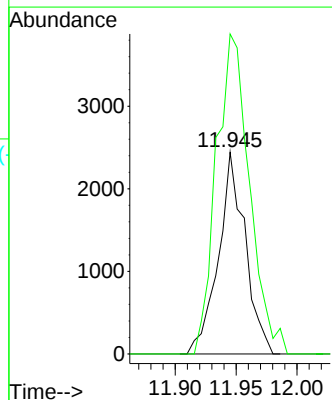
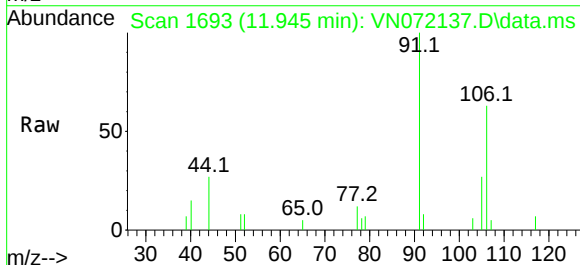
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

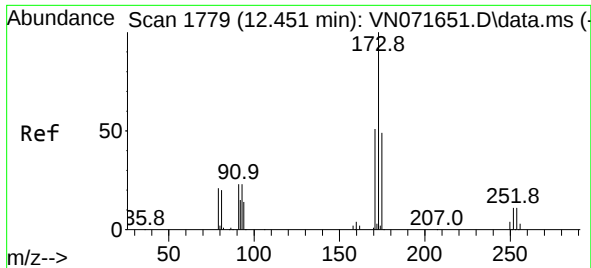
Tgt Ion:117 Resp: 1105908
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.4 25.4 38.0



#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion:106 Resp: 3731
Ion Ratio Lower Upper
106 100
91 196.9 158.9 238.3

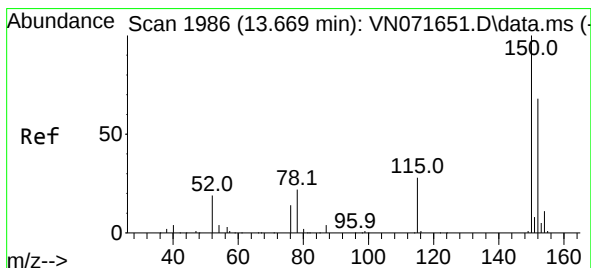
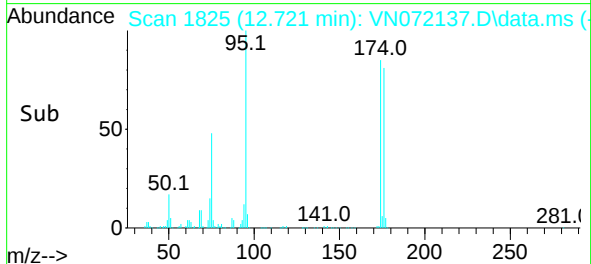
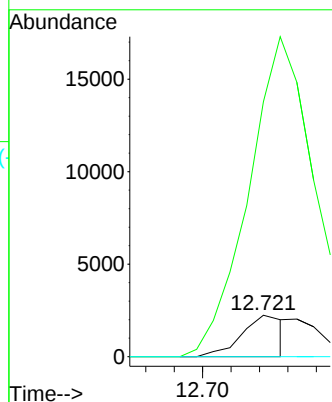
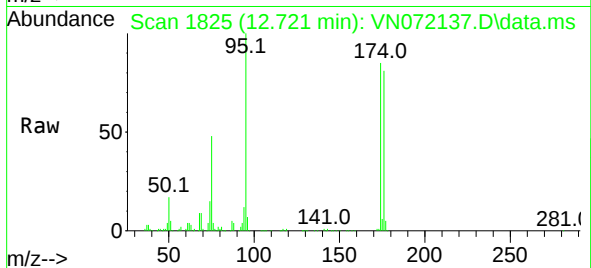




#71
Bromoform
Concen: 0.378 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

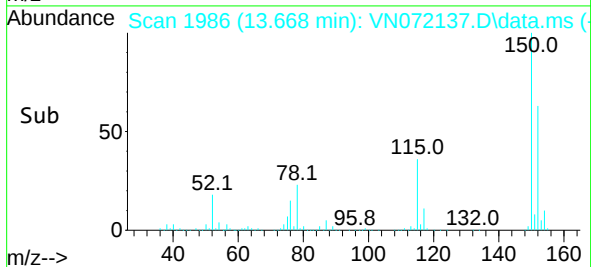
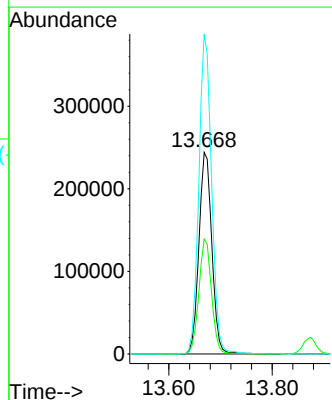
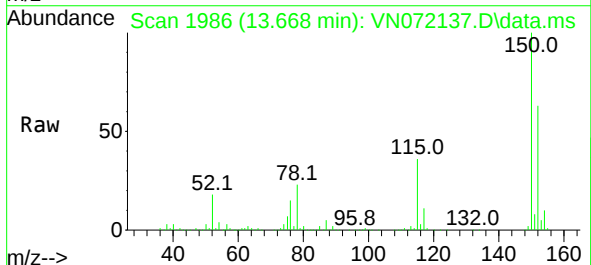
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

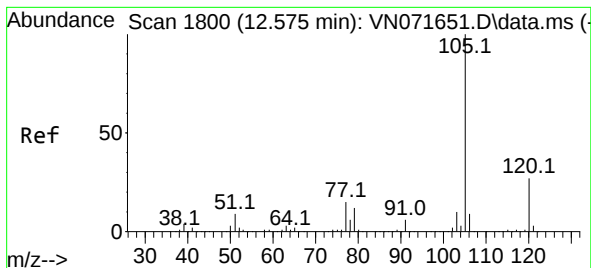
Tgt Ion:173 Resp: 2300
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion:152 Resp: 424318
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 156.0 0.0 356.2





#73

Isopropylbenzene

Concen: 0.480 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. -0.001 min

Lab File: VN072137.D

Acq: 21 Apr 2022 19:57

Instrument :

MSVOA_N

ClientSampleId :

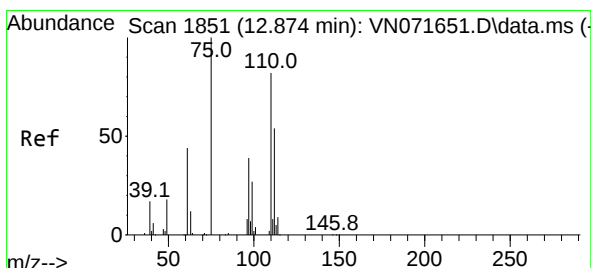
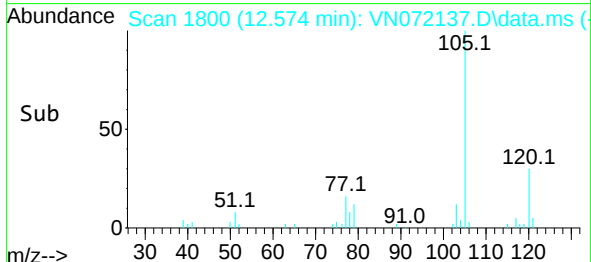
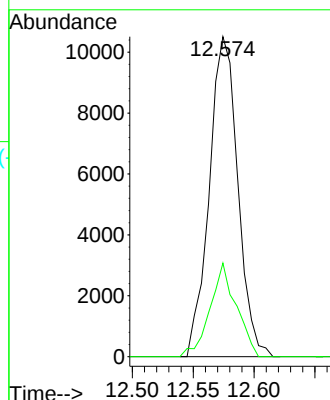
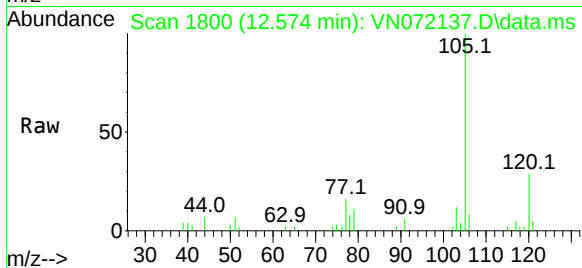
MW-1R

Tgt Ion:105 Resp: 17171

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#76

1,2,3-Trichloropropane

Concen: 21.876 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072137.D

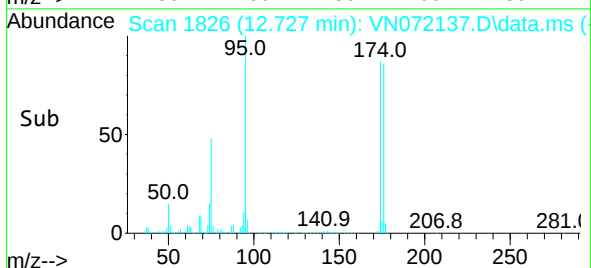
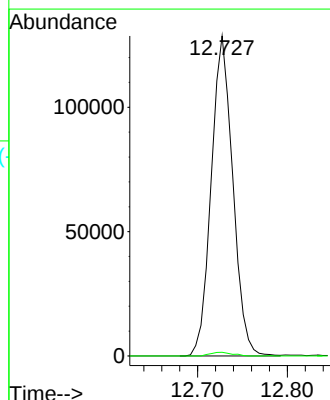
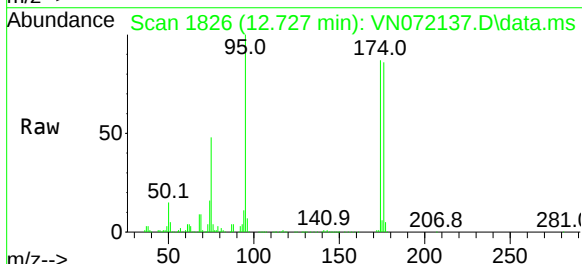
Acq: 21 Apr 2022 19:57

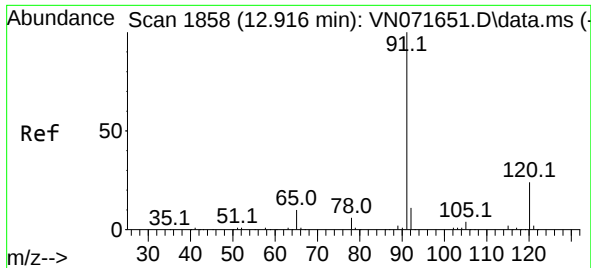
Tgt Ion: 75 Resp: 215034

Ion Ratio Lower Upper

75 100

77 1.2 98.5 295.5#

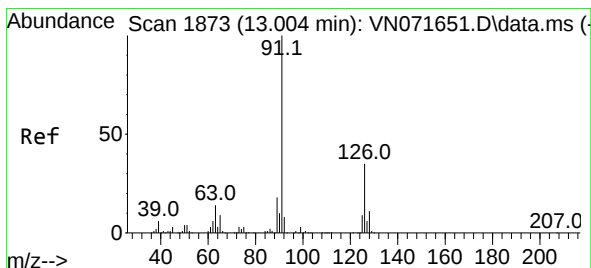
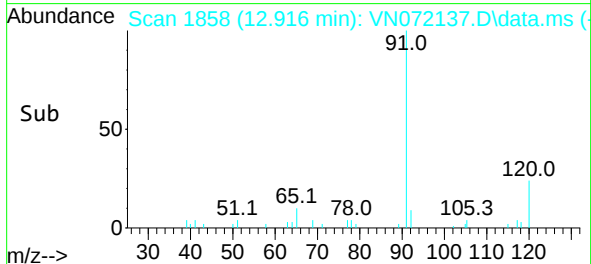
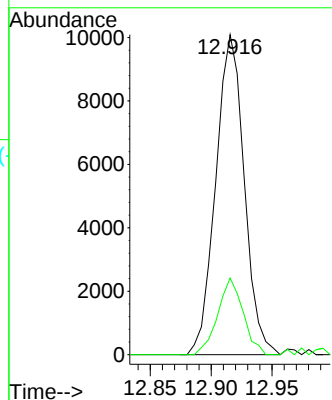
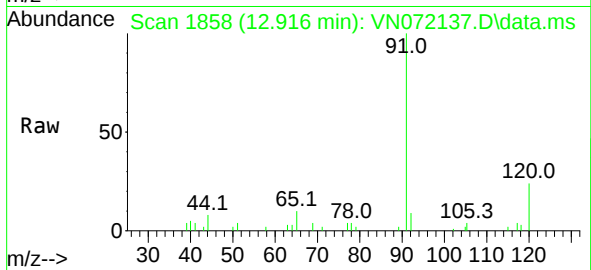




#78
n-propylbenzene
Concen: 0.437 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

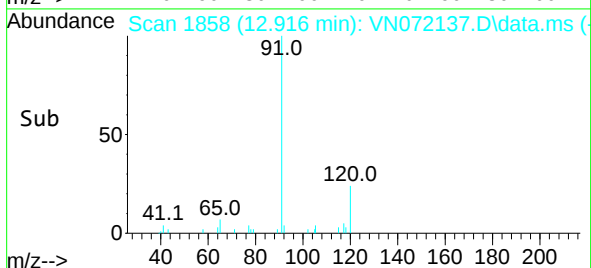
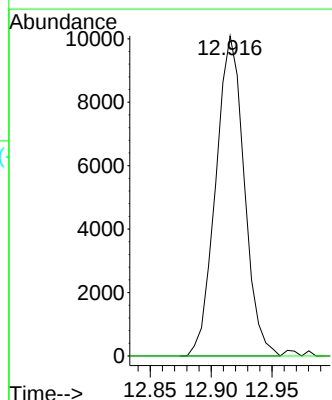
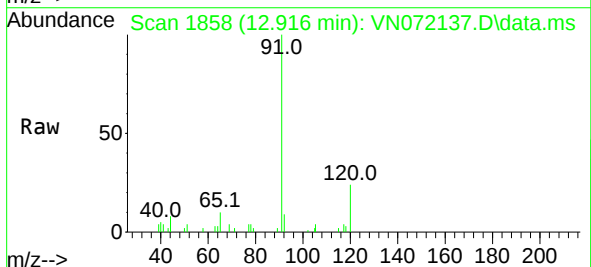
Instrument :
MSVOA_N
ClientSampleId :
MW-1R

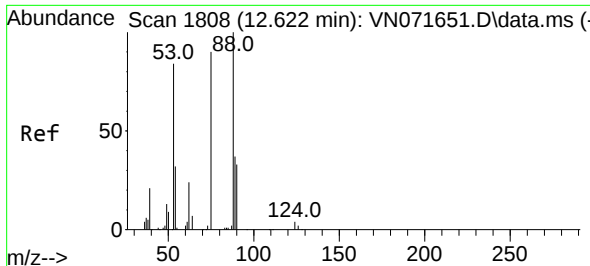
Tgt Ion: 91 Resp: 16429
Ion Ratio Lower Upper
91 100
120 21.3 11.9 35.5



#79
2-Chlorotoluene
Concen: 0.681 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.088 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Tgt Ion: 91 Resp: 16429
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

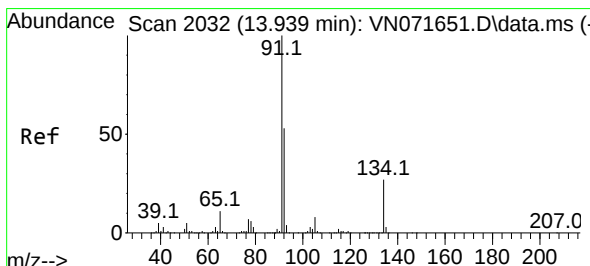
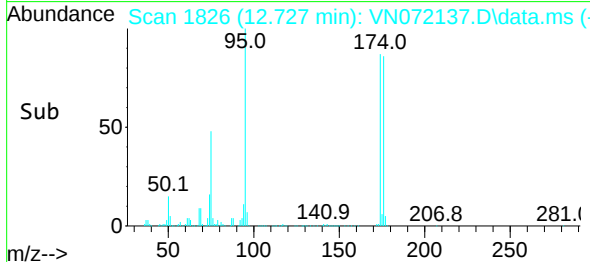
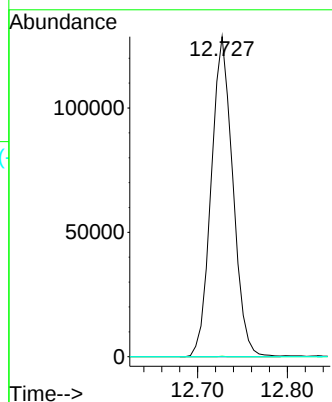
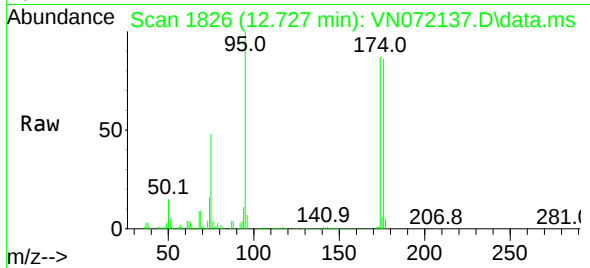




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.793 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072137.D
 Acq: 21 Apr 2022 19:57

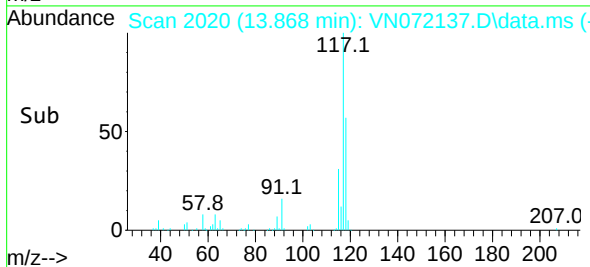
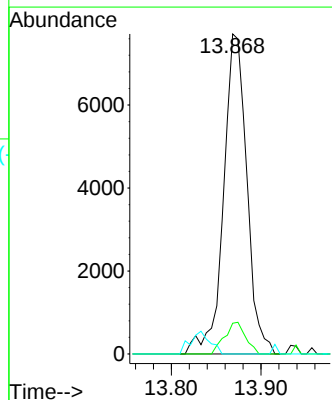
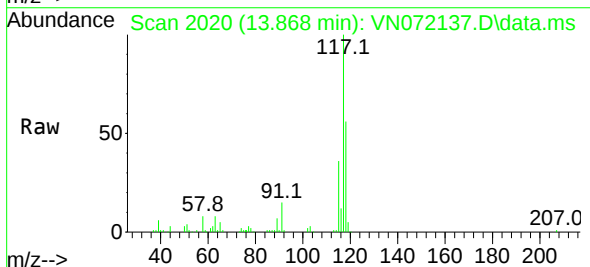
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1R

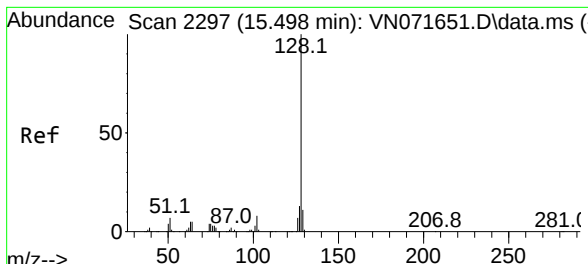
Tgt Ion: 75 Resp: 215034
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#89
 n-Butylbenzene
 Concen: 0.702 ug/l
 RT: 13.868 min Scan# 2020
 Delta R.T. -0.071 min
 Lab File: VN072137.D
 Acq: 21 Apr 2022 19:57

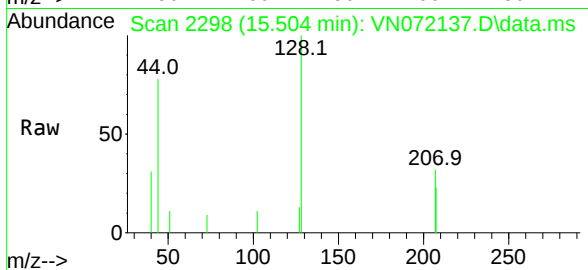
Tgt Ion: 91 Resp: 13943
 Ion Ratio Lower Upper
 91 100
 92 8.8 26.9 80.7#
 134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 3.957 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072137.D
Acq: 21 Apr 2022 19:57

Instrument :
MSVOA_N
ClientSampleId :
MW-1R



Tgt Ion:	128	Resp:	3217
Ion	Ratio	Lower	Upper
128	100		
127	7.9	10.3	15.5#
129	7.4	8.6	13.0#

