

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071100.D
 Acq On : 28 Feb 2022 17:32
 Operator : JC\MD
 Sample : N1689-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-39

Quant Time: Mar 01 04:23:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

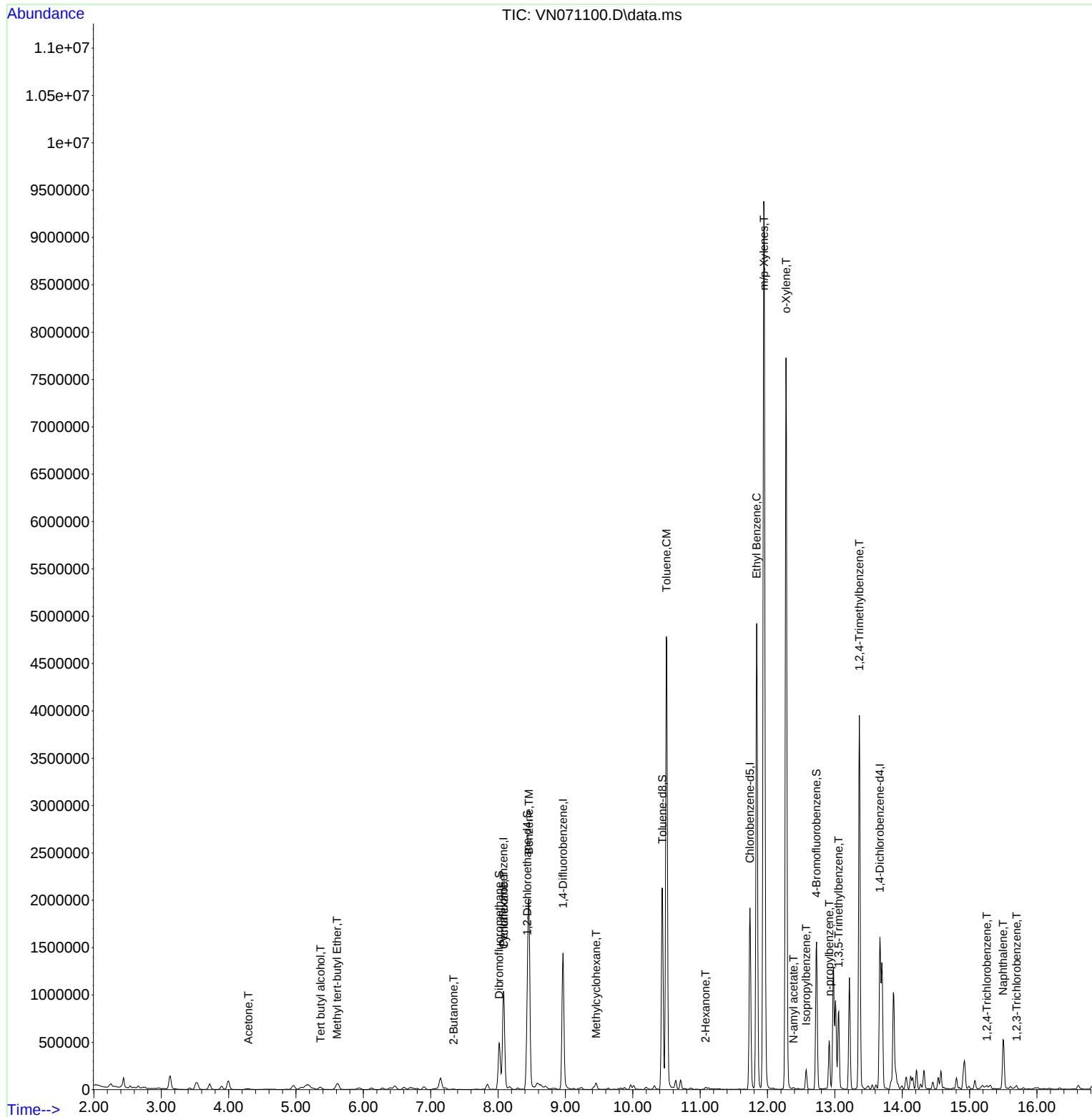
Internal Standards						
1) Pentafluorobenzene	8.081	168	775318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1234145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1116212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	445410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	462568	52.229	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.460%	
35) Dibromofluoromethane	8.016	113	360950	49.171	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.340%	
50) Toluene-d8	10.439	98	1502172	50.956	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	12.727	95	550351	52.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.363	59	46970	29.101	ug/l	97
16) Acetone	4.293	43	12014	2.463	ug/l #	88
19) Methyl tert-butyl Ether	5.610	73	47430	1.781	ug/l #	1
25) 2-Butanone	7.340	43	8174	1.260	ug/l #	74
31) Cyclohexane	8.087	56	49729	3.247	ug/l #	64
39) Methylcyclohexane	9.457	83	26865	1.736	ug/l	90
40) Benzene	8.457	78	1955732	54.976	ug/l	98
52) Toluene	10.498	92	2160084	96.632	ug/l	95
59) 2-Hexanone	11.081	43	19622	2.307	ug/l	91
67) Ethyl Benzene	11.839	91	3641812	86.509	ug/l	98
68) m/p-Xylenes	11.945	106	3148751	193.638	ug/l	99
69) o-Xylene	12.275	106	2142229	134.861	ug/l	98
73) Isopropylbenzene	12.575	105	137122	3.825	ug/l	97
74) N-amyl acetate	12.386	43	11485	1.002	ug/l #	93
78) n-propylbenzene	12.916	91	406825	10.100	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	455048	15.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	2247958	78.623	ug/l	99
93) 1,2,4-Trichlorobenzene	15.257	180	11154	3.305	ug/l #	74
95) Naphthalene	15.498	128	496779	27.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	13059	4.156	ug/l #	87

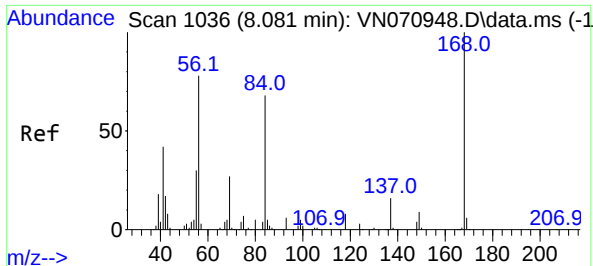
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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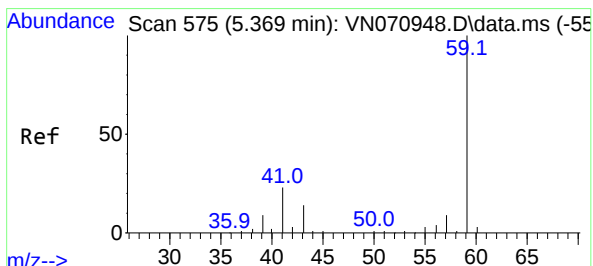
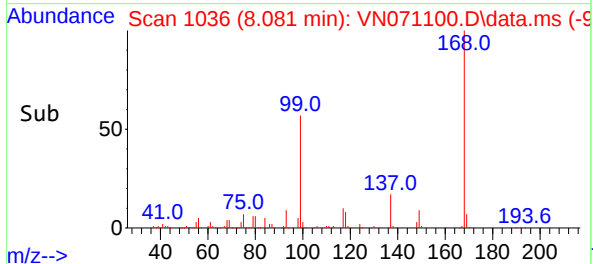
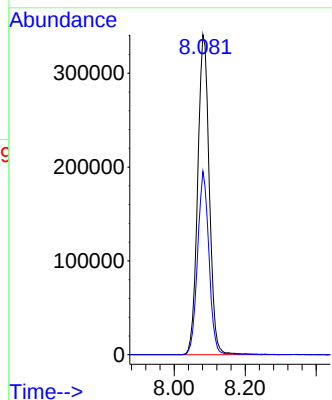
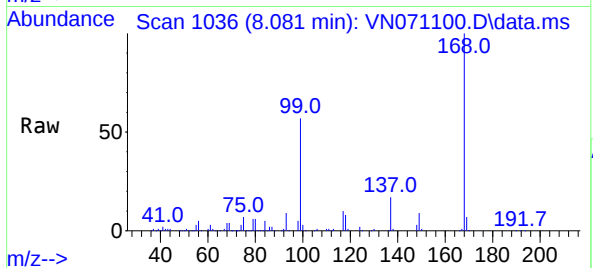




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

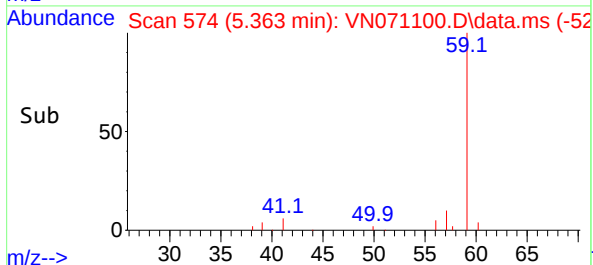
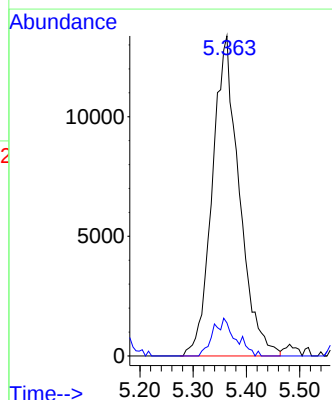
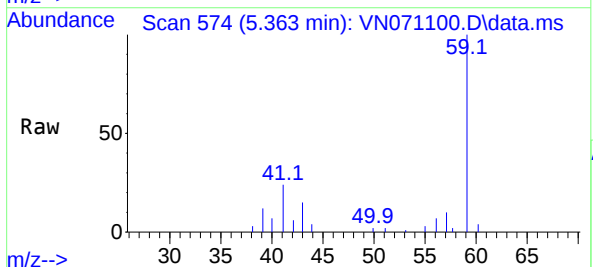
Instrument :
MSVOA_N
ClientSampleId :
MW-39

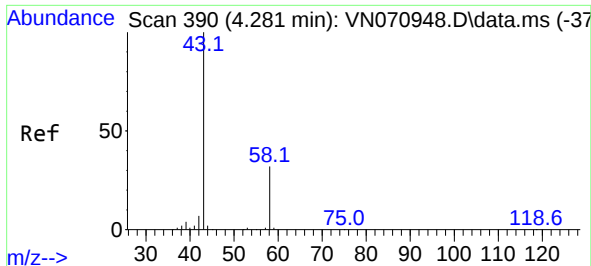
Tgt Ion:168 Resp: 775318
Ion Ratio Lower Upper
168 100
99 57.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 29.101 ug/l
RT: 5.363 min Scan# 574
Delta R.T. -0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 59 Resp: 46970
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1

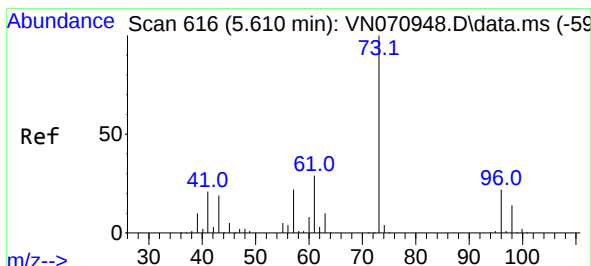
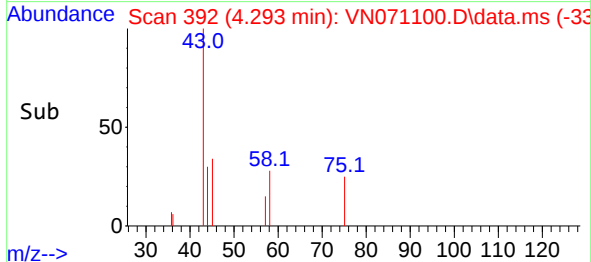
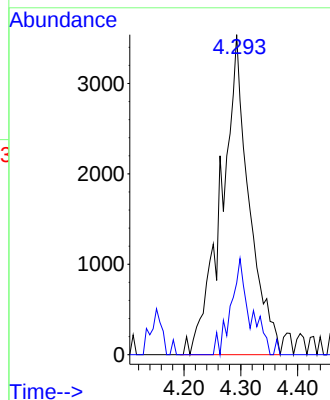
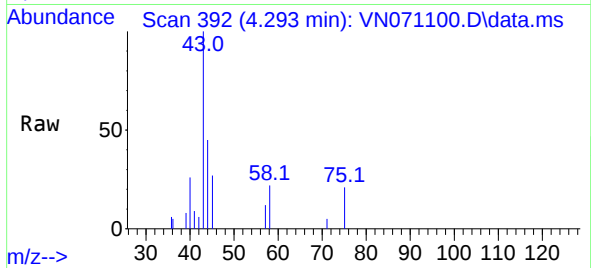




#16
Acetone
Concen: 2.463 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

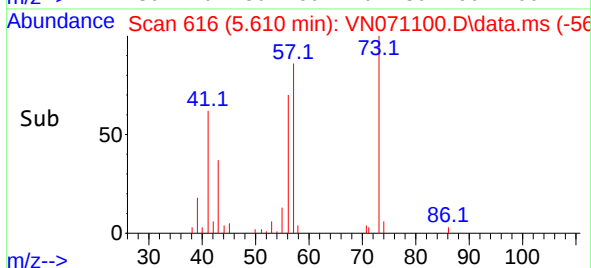
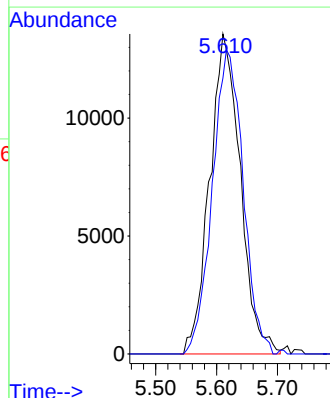
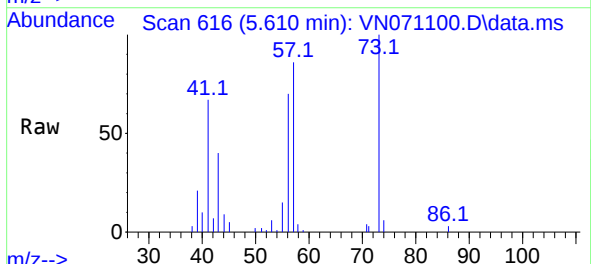
Instrument :
MSVOA_N
ClientSampleId :
MW-39

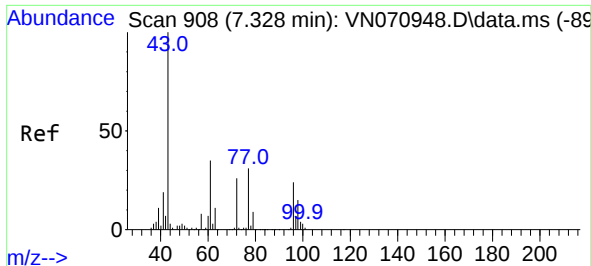
Tgt Ion: 43 Resp: 12014
Ion Ratio Lower Upper
43 100
58 22.4 23.1 34.7#



#19
Methyl tert-butyl Ether
Concen: 1.781 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 73 Resp: 47430
Ion Ratio Lower Upper
73 100
57 86.2 16.8 25.2#

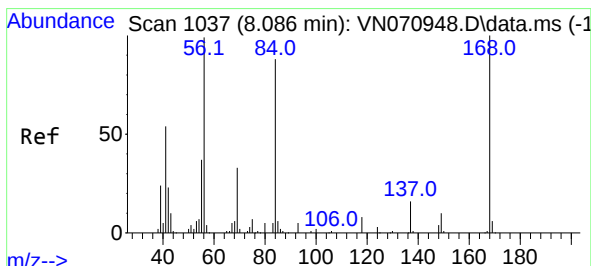
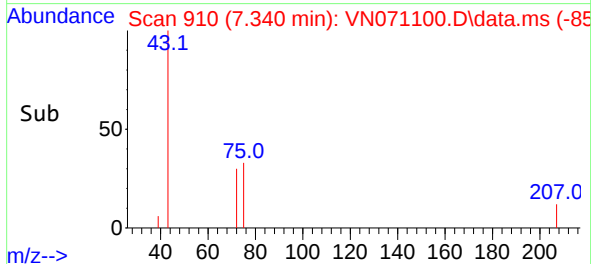
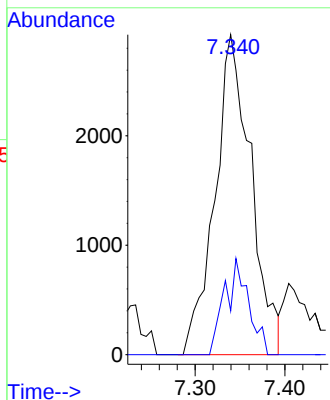
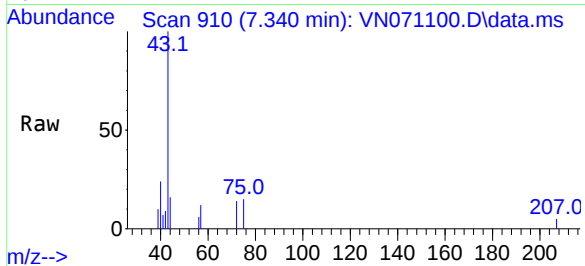




#25
2-Butanone
Concen: 1.260 ug/l
RT: 7.340 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

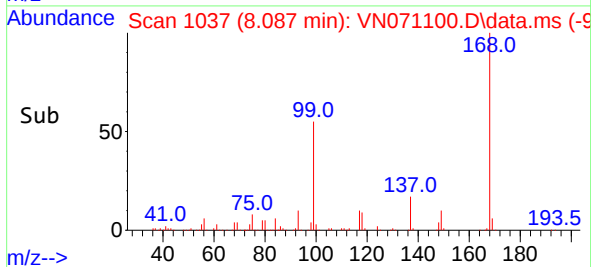
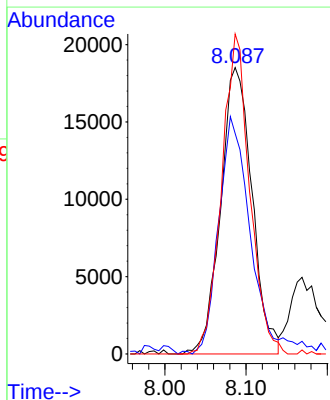
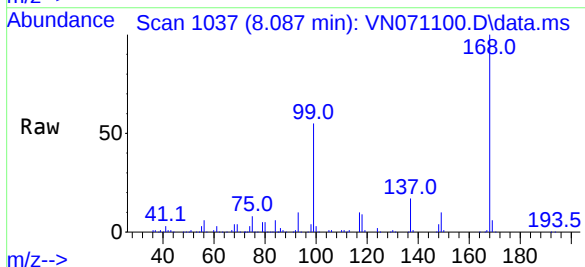
Instrument :
MSVOA_N
ClientSampleId :
MW-39

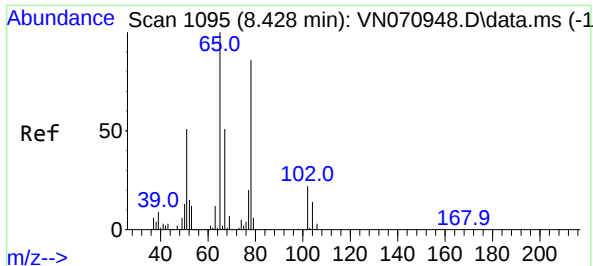
Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
72 13.7 21.7 32.5#



#31
Cyclohexane
Concen: 3.247 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 56 Resp: 49729
Ion Ratio Lower Upper
56 100
69 77.0 27.1 40.7#
84 111.7 73.4 110.0#

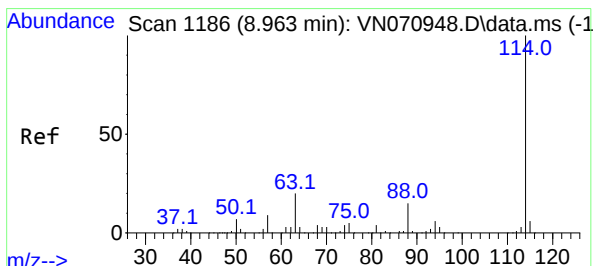
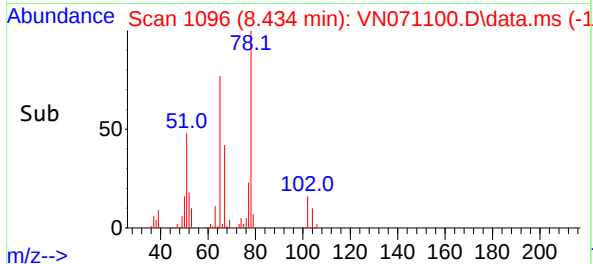
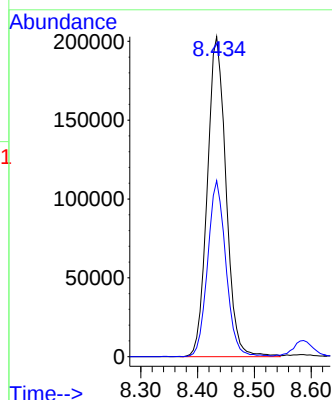
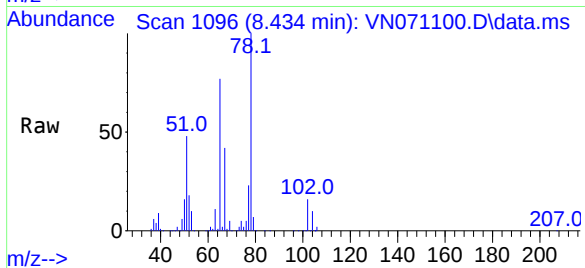




#33
1,2-Dichloroethane-d4
Concen: 52.229 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

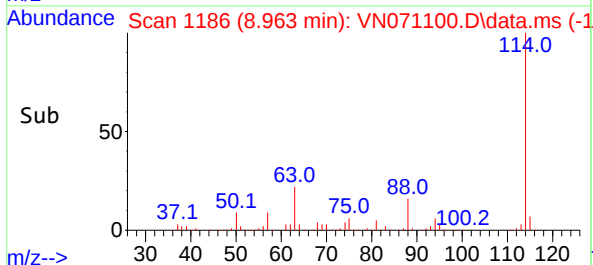
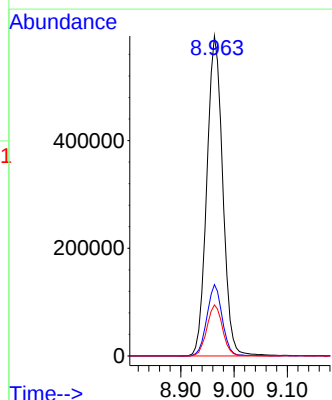
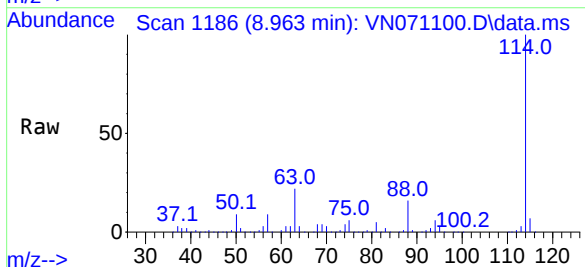
Instrument :
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ClientSampleId :
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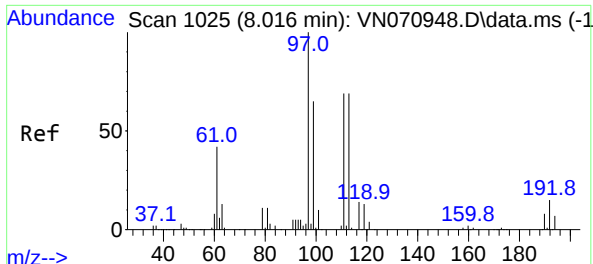
Tgt Ion: 65 Resp: 462568
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

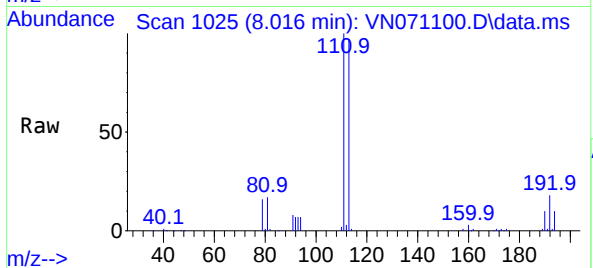
Tgt Ion:114 Resp: 1234145
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 16.0 0.0 27.4



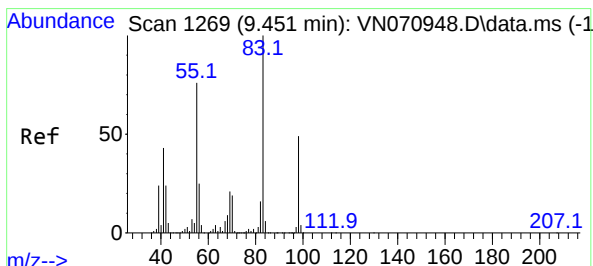
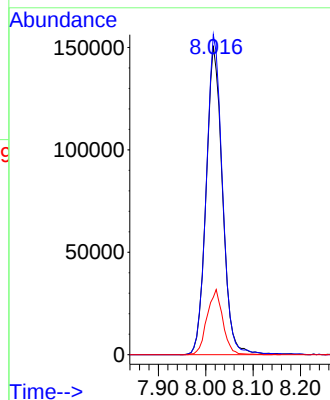
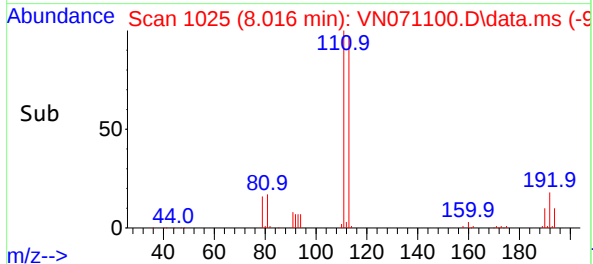


#35
Dibromofluoromethane
Concen: 49.171 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

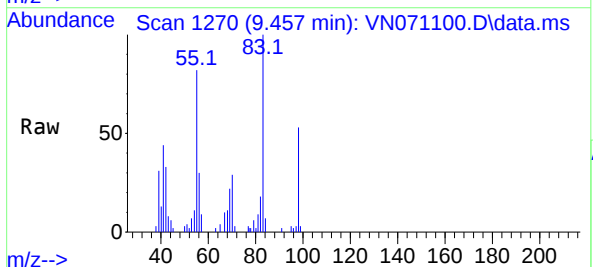
Instrument :
MSVOA_N
ClientSampleId :
MW-39



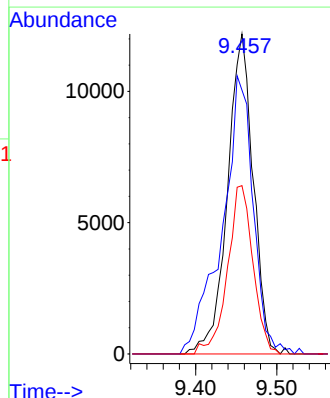
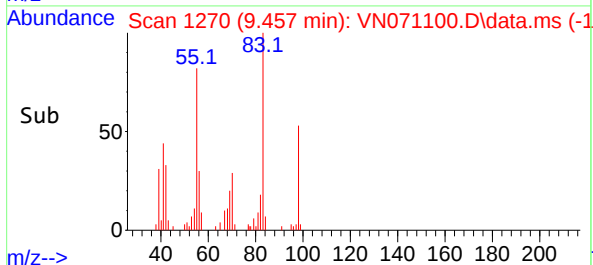
Tgt Ion:113 Resp: 360950
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.5 16.9 25.3

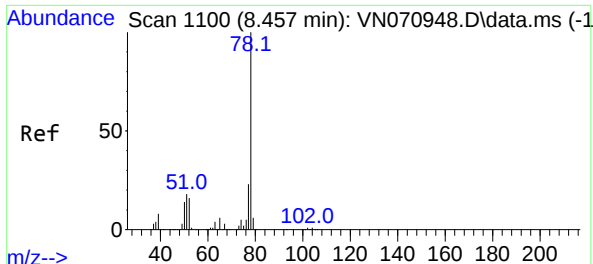


#39
Methylcyclohexane
Concen: 1.736 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32



Tgt Ion: 83 Resp: 26865
Ion Ratio Lower Upper
83 100
55 82.5 58.1 87.1
98 52.6 38.4 57.6

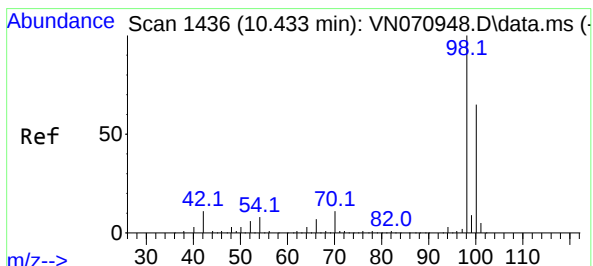
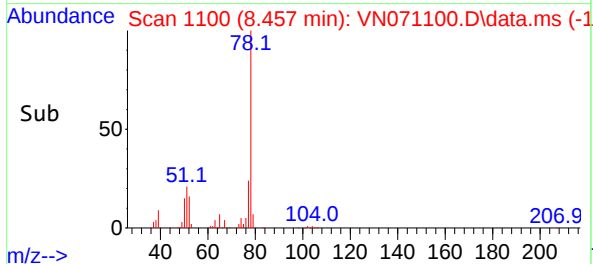
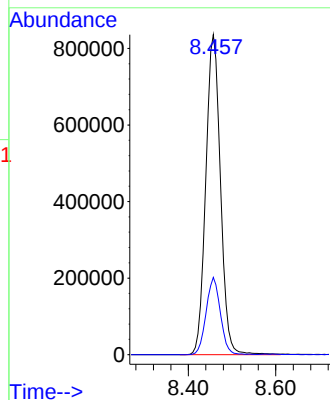
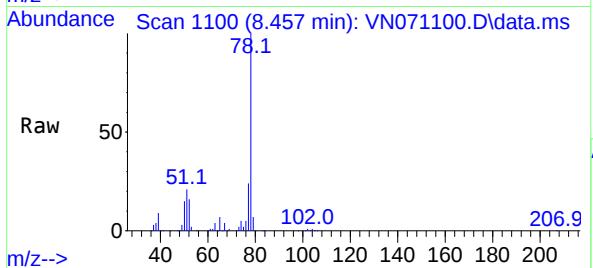




#40
Benzene
Concen: 54.976 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

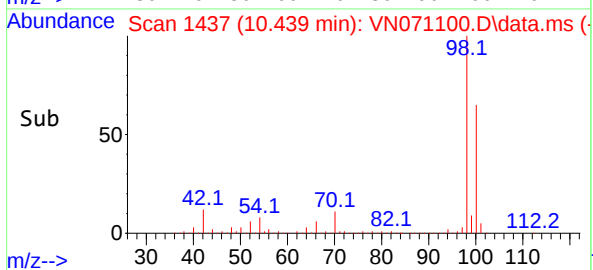
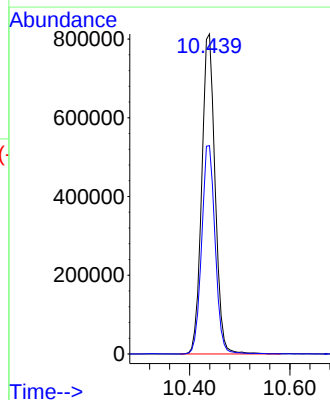
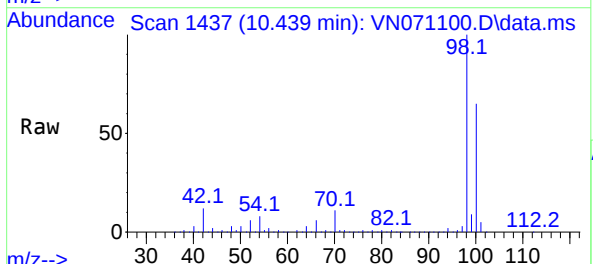
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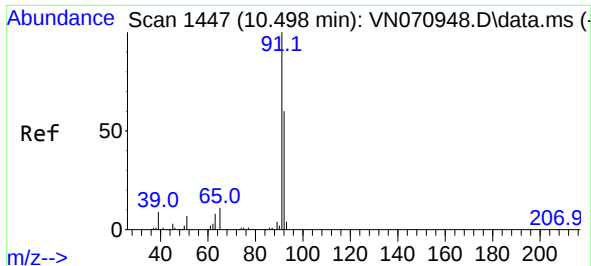
Tgt Ion: 78 Resp: 1955732
Ion Ratio Lower Upper
78 100
77 24.2 18.6 27.8



#50
Toluene-d8
Concen: 50.956 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 98 Resp: 1502172
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6

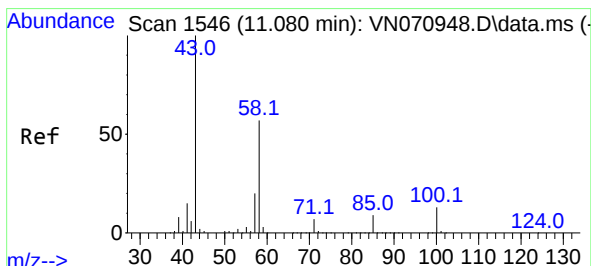
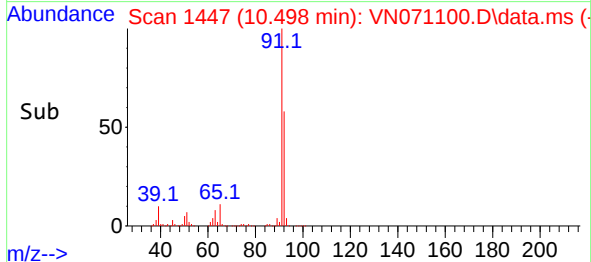
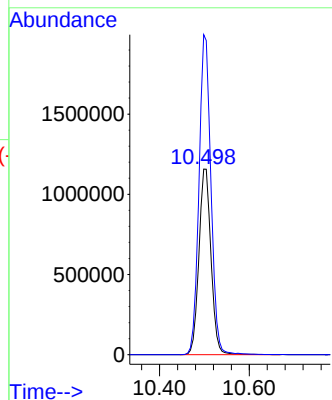
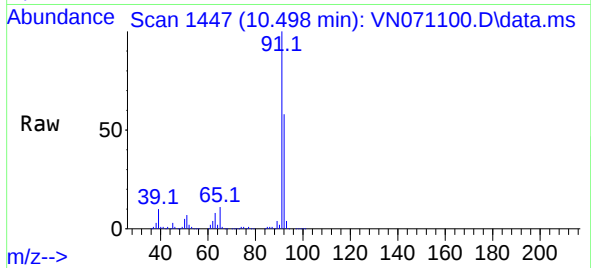




#52
Toluene
Concen: 96.632 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

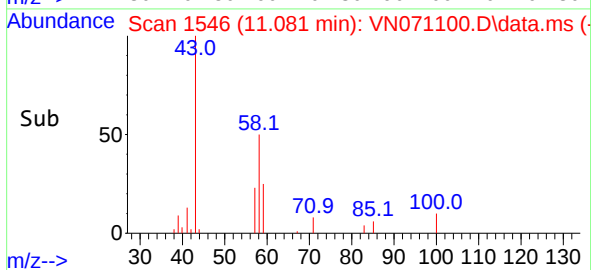
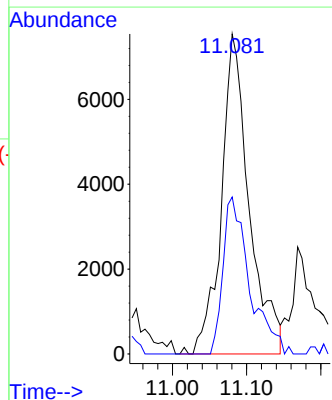
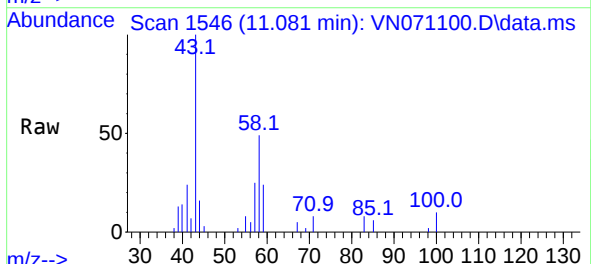
Instrument :
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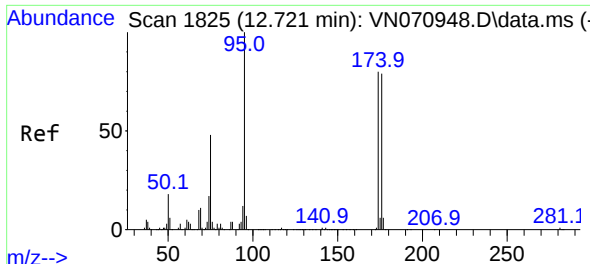
Tgt Ion: 92 Resp: 2160084
Ion Ratio Lower Upper
92 100
91 170.5 142.0 213.0



#59
2-Hexanone
Concen: 2.307 ug/l
RT: 11.081 min Scan# 1546
Delta R.T. 0.001 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 43 Resp: 19622
Ion Ratio Lower Upper
43 100
58 47.0 26.9 80.7

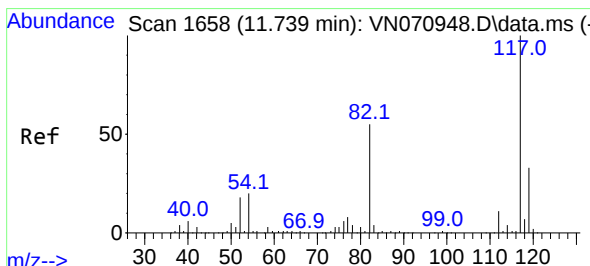
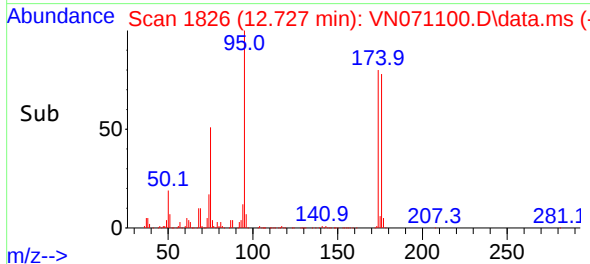
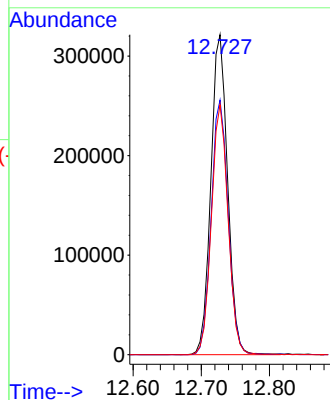
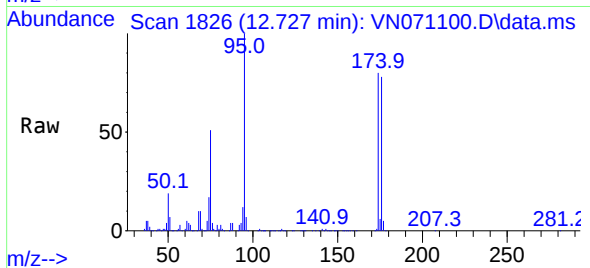




#62
4-Bromofluorobenzene
Concen: 52.229 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

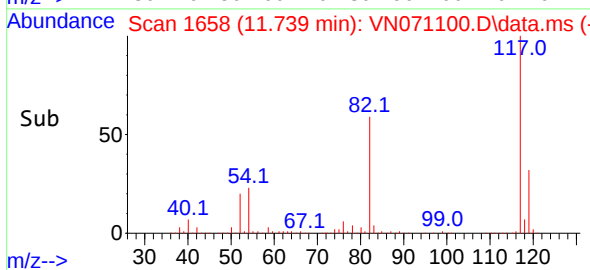
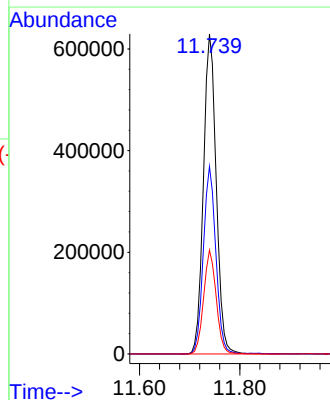
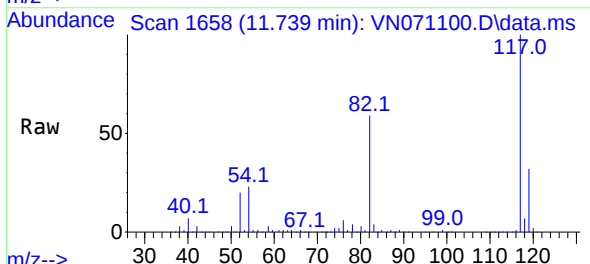
Instrument :
MSVOA_N
ClientSampleId :
MW-39

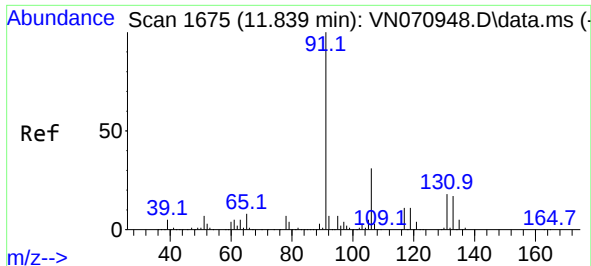
Tgt Ion: 95 Resp: 550351
Ion Ratio Lower Upper
95 100
174 80.5 0.0 187.2
176 77.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 117 Resp: 1116212
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.5 25.4 38.2

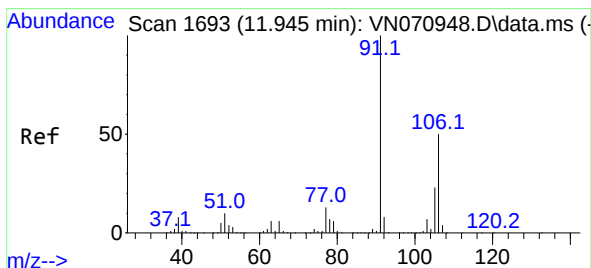
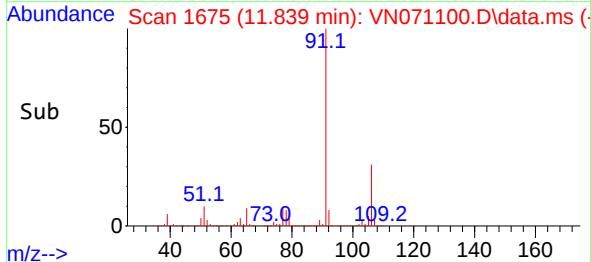
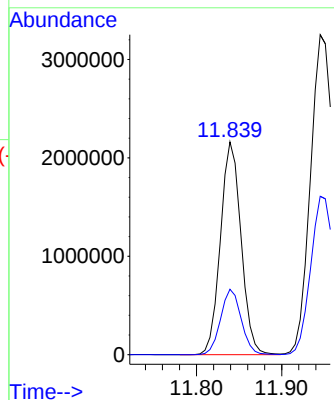
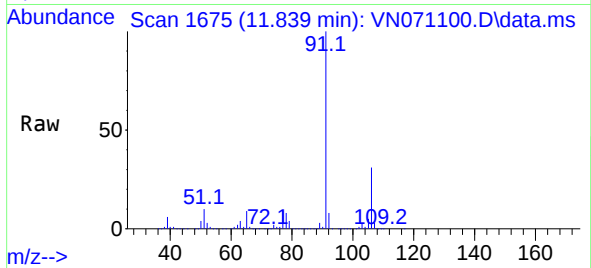




#67
Ethyl Benzene
Concen: 86.509 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

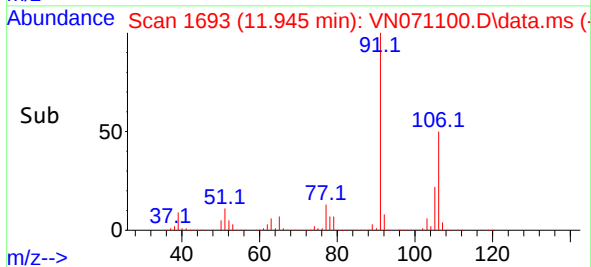
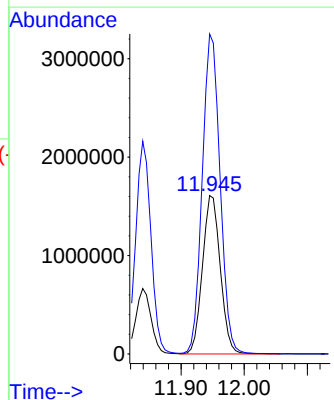
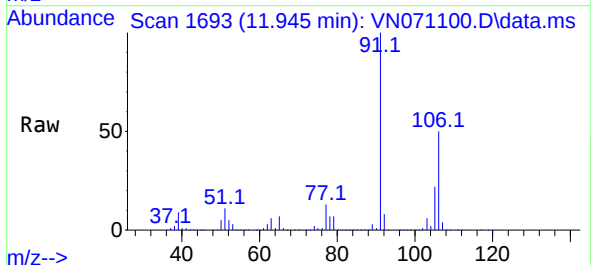
Instrument :
MSVOA_N
ClientSampleId :
MW-39

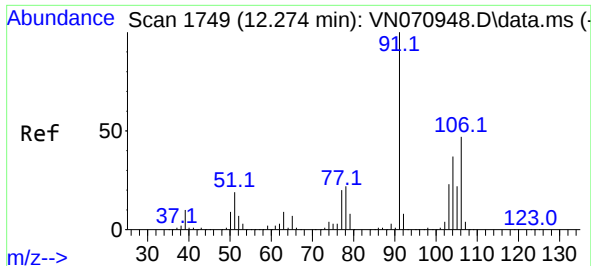
Tgt Ion: 91 Resp: 3641812
Ion Ratio Lower Upper
91 100
106 30.8 25.7 38.5



#68
m/p-Xylenes
Concen: 193.638 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion:106 Resp: 3148751
Ion Ratio Lower Upper
106 100
91 202.1 160.6 240.8

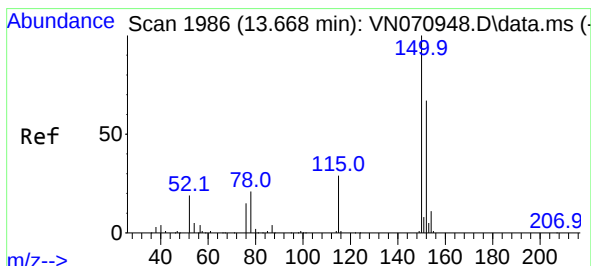
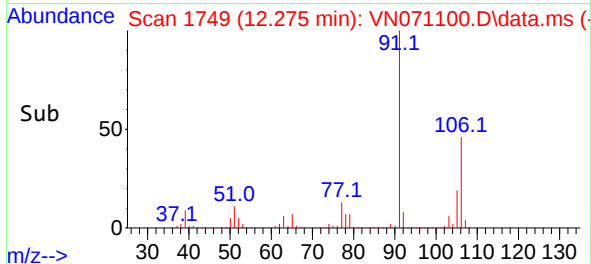
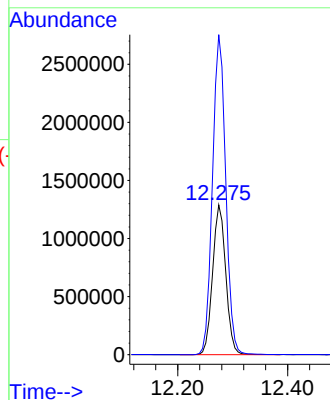
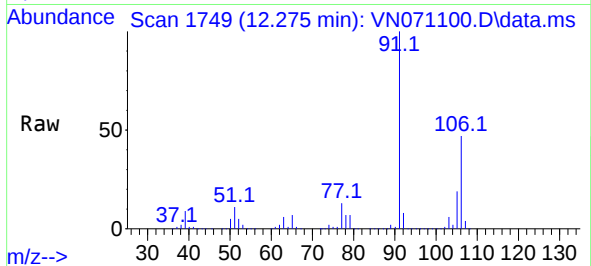




#69
o-Xylene
Concen: 134.861 ug/l
RT: 12.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

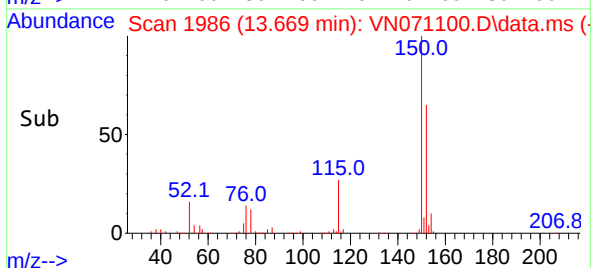
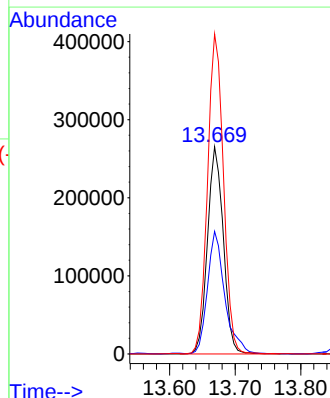
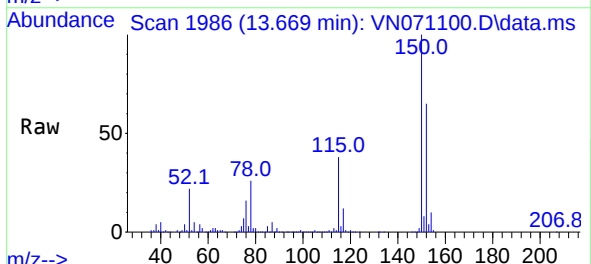
Instrument :
MSVOA_N
ClientSampleId :
MW-39

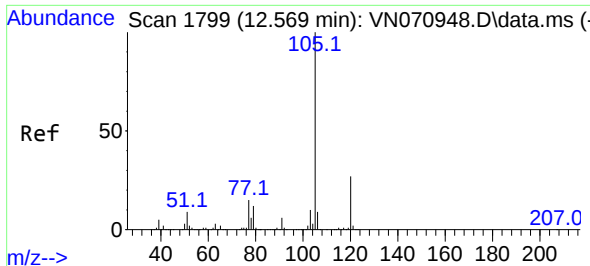
Tgt Ion:106 Resp: 2142229
Ion Ratio Lower Upper
106 100
91 214.8 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion:152 Resp: 445410
Ion Ratio Lower Upper
152 100
115 65.4 27.5 82.5
150 155.8 0.0 344.4

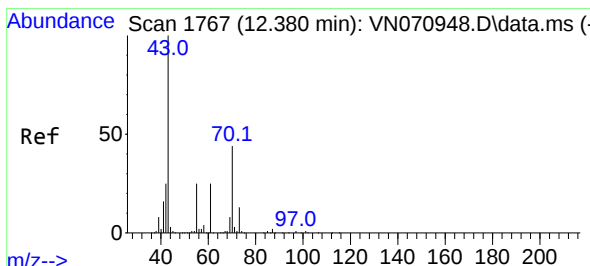
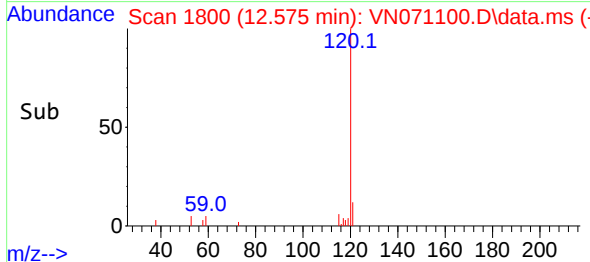
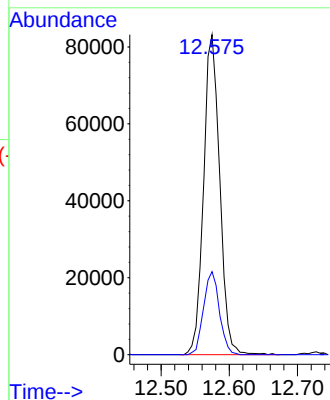
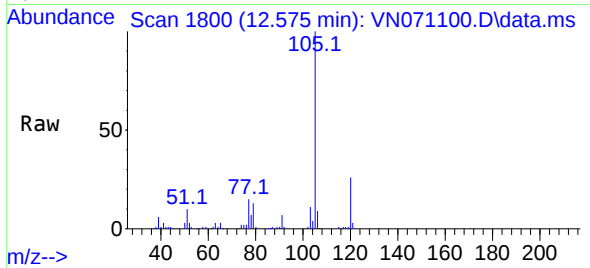




#73
Isopropylbenzene
Concen: 3.825 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

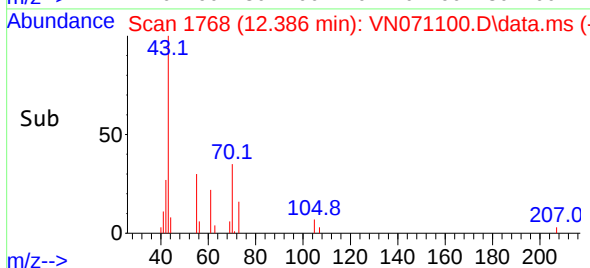
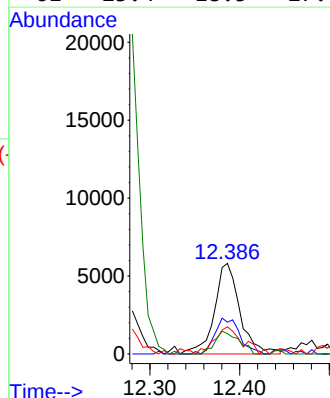
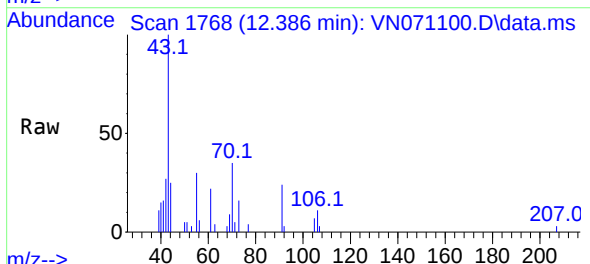
Instrument :
MSVOA_N
ClientSampleId :
MW-39

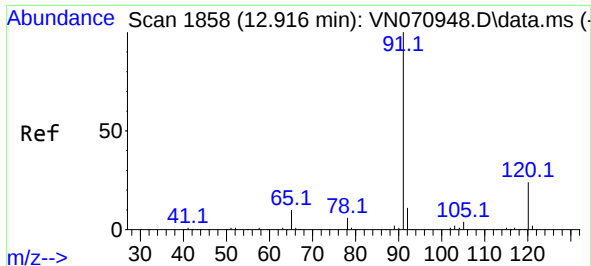
Tgt Ion:105 Resp: 137122
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.1



#74
N-ethyl acetate
Concen: 1.002 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 43 Resp: 11485
Ion Ratio Lower Upper
43 100
70 38.4 33.4 50.0
55 31.6 19.3 28.9#
61 23.4 18.5 27.7

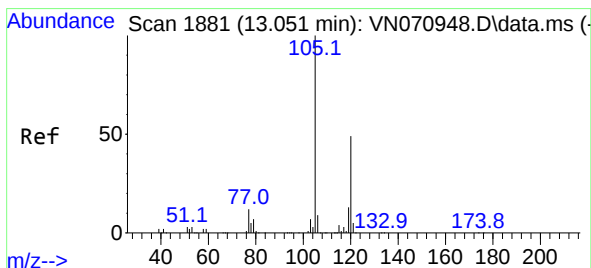
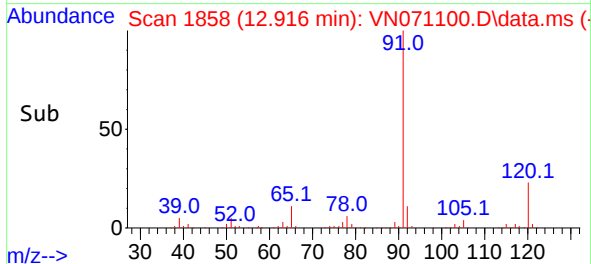
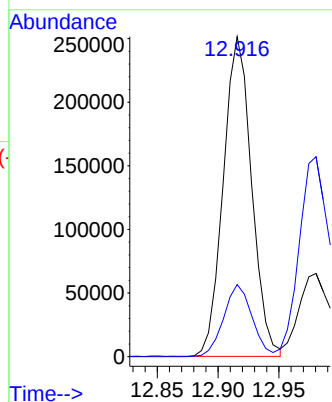
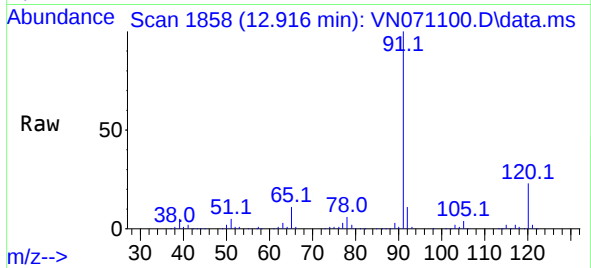




#78
n-propylbenzene
Concen: 10.100 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

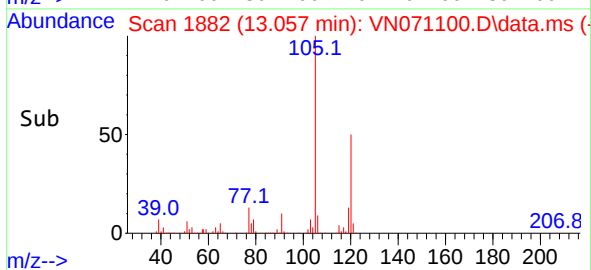
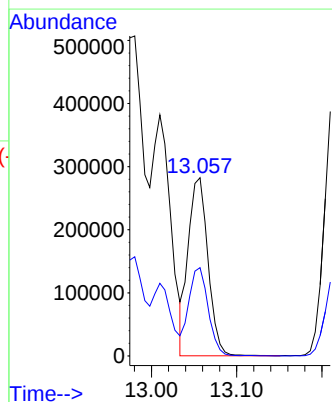
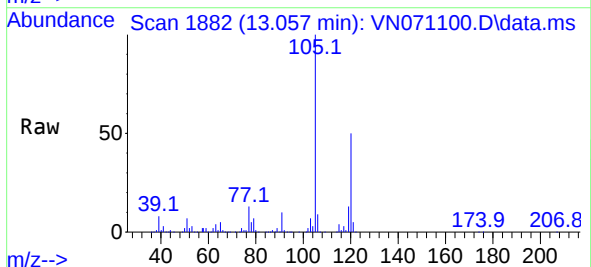
Instrument :
MSVOA_N
ClientSampleId :
MW-39

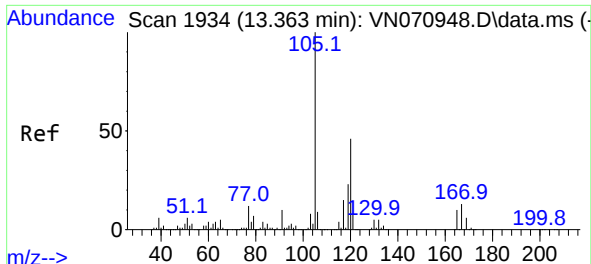
Tgt Ion: 91 Resp: 406825
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 15.667 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion: 105 Resp: 455048
Ion Ratio Lower Upper
105 100
120 48.6 24.6 73.6

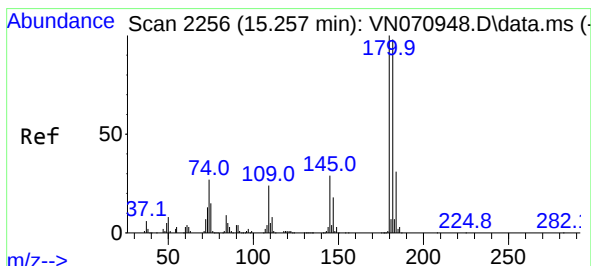
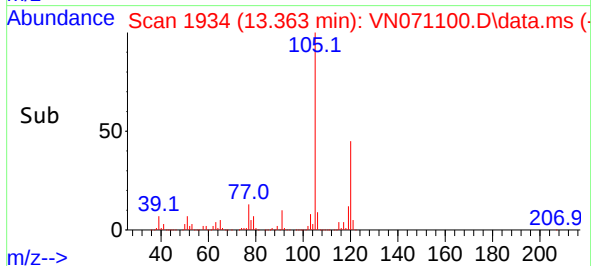
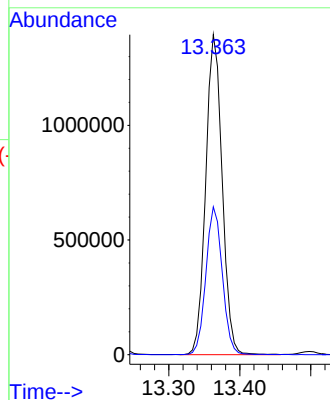
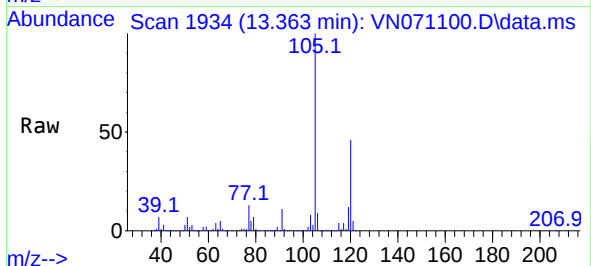




#84
 1,2,4-Trimethylbenzene
 Concen: 78.623 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. 0.000 min
 Lab File: VN071100.D
 Acq: 28 Feb 2022 17:32

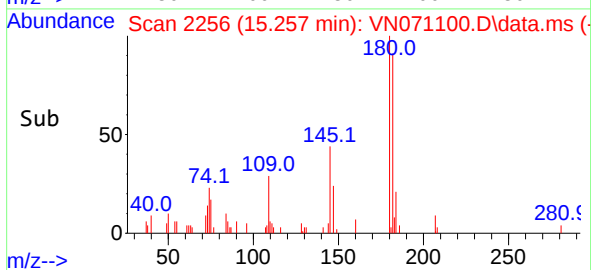
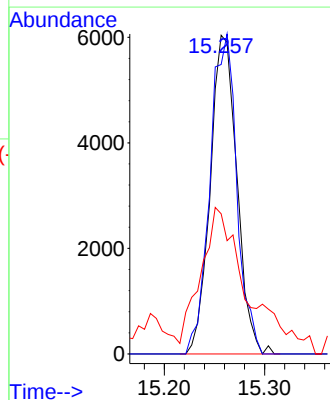
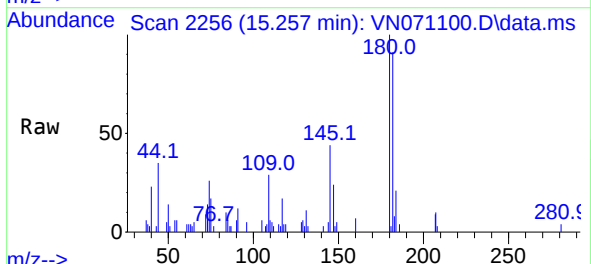
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-39

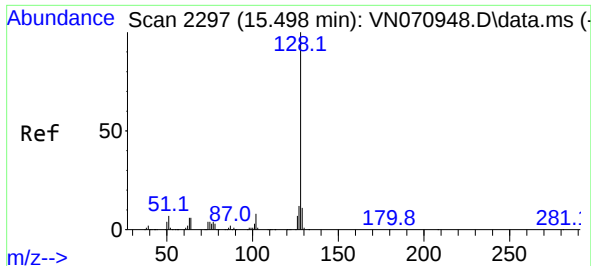
Tgt Ion:105 Resp: 2247958
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.8 68.4



#93
 1,2,4-Trichlorobenzene
 Concen: 3.305 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN071100.D
 Acq: 28 Feb 2022 17:32

Tgt Ion:180 Resp: 11154
 Ion Ratio Lower Upper
 180 100
 182 101.0 48.3 144.9
 145 81.8 14.5 43.5#

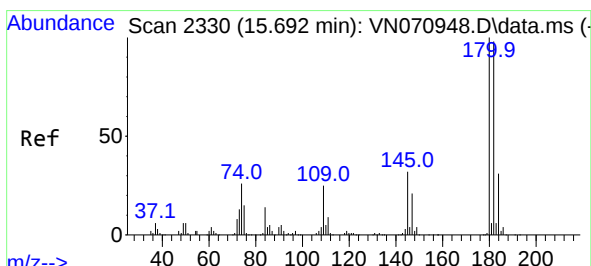
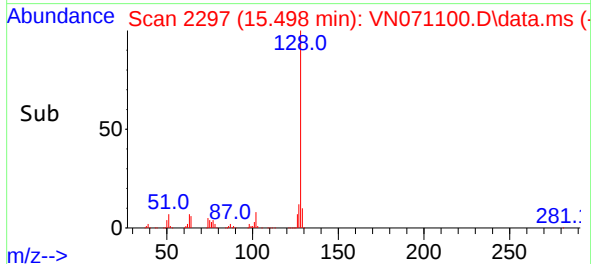
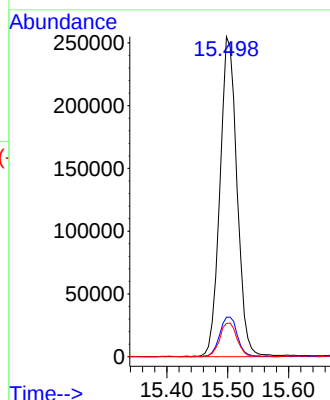
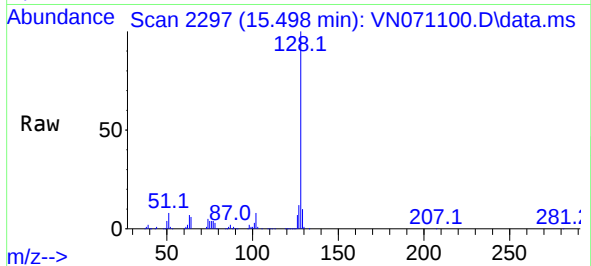




#95
Naphthalene
Concen: 27.447 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :
MW-39

Tgt Ion:128 Resp: 496779
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.156 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071100.D
Acq: 28 Feb 2022 17:32

Tgt Ion:180 Resp: 13059
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.2
145 55.8 15.0 45.1#

