

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073538.D
 Acq On : 20 Jul 2022 21:48
 Operator : JC\MD
 Sample : N3779-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 070622-D

Quant Time: Jul 21 08:27:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

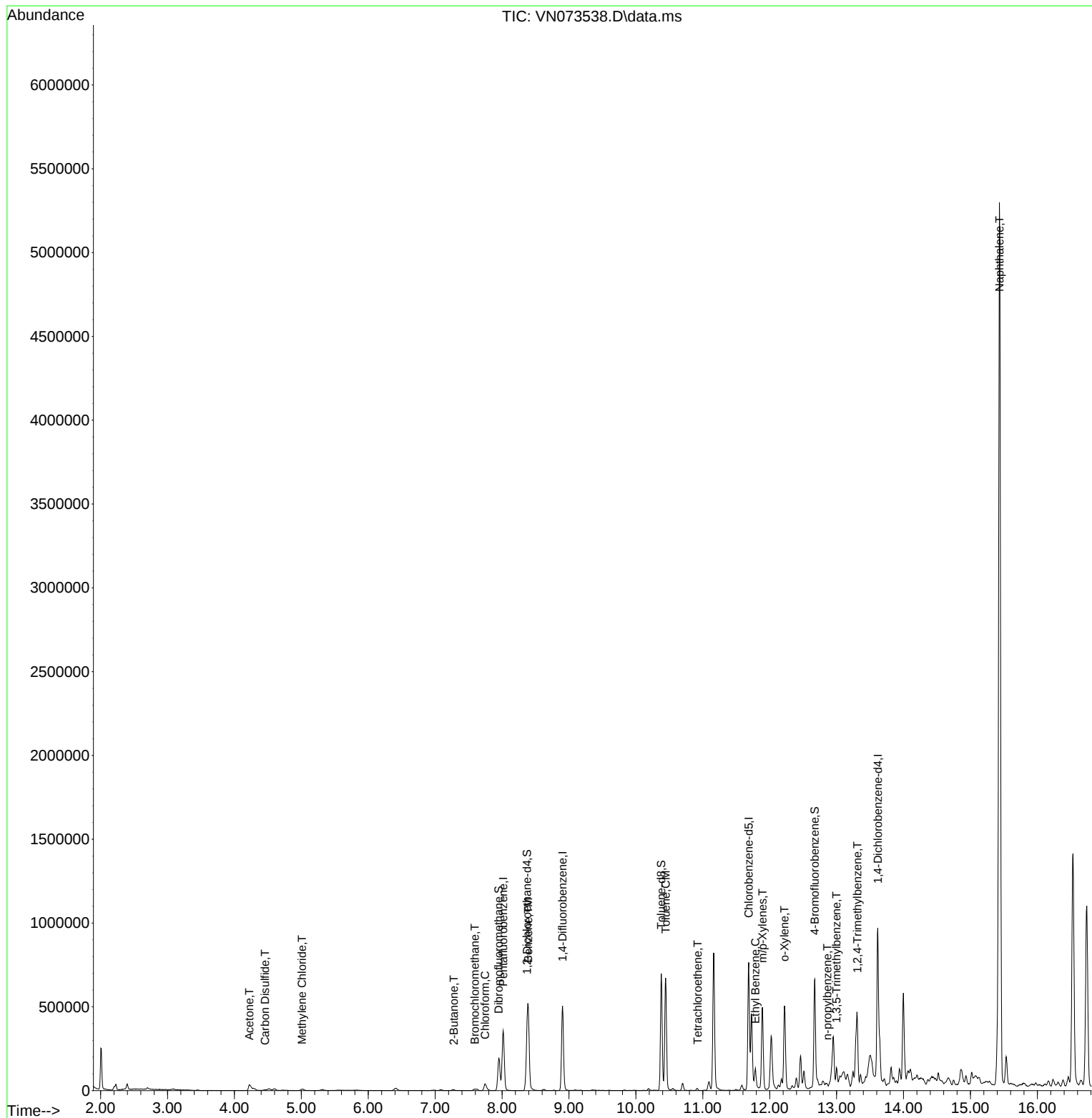
Internal Standards						
1) Pentafluorobenzene	8.016	168	270858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	438851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	418986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	228665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	164529	42.078	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.160%		
35) Dibromofluoromethane	7.951	113	142368	48.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.520%		
50) Toluene-d8	10.380	98	473905	45.700	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.400%		
62) 4-Bromofluorobenzene	12.674	95	211991	53.196	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.400%		
Target Compounds					Qvalue	
16) Acetone	4.222	43	65267	29.737	ug/l	97
17) Carbon Disulfide	4.457	76	8926	1.080	ug/l	96
20) Methylene Chloride	5.010	84	7307	1.894	ug/l	94
25) 2-Butanone	7.281	43	10196	2.918	ug/l #	82
28) Bromochloromethane	7.592	49	4174	1.537	ug/l	87
30) Chloroform	7.745	83	37766	5.781	ug/l	96
40) Benzene	8.392	78	430135	31.023	ug/l	99
52) Toluene	10.445	92	271540	31.691	ug/l	98
64) Tetrachloroethene	10.922	164	2434	0.711	ug/l #	71
67) Ethyl Benzene	11.786	91	67980	3.952	ug/l	92
68) m/p-Xylenes	11.892	106	153459	23.636	ug/l	100
69) o-Xylene	12.221	106	121394	18.316	ug/l	97
78) n-propylbenzene	12.863	91	14062	0.641	ug/l	90
80) 1,3,5-Trimethylbenzene	12.998	105	55703	3.461	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	181943	11.323	ug/l	98
95) Naphthalene	15.433	128	4790775	271.840	ug/l	99

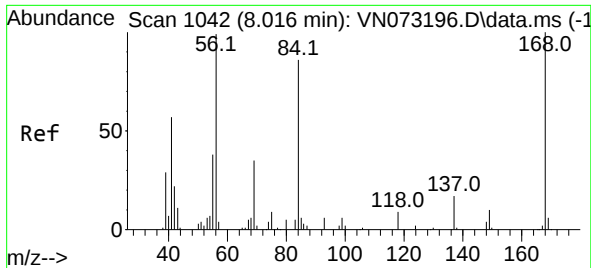
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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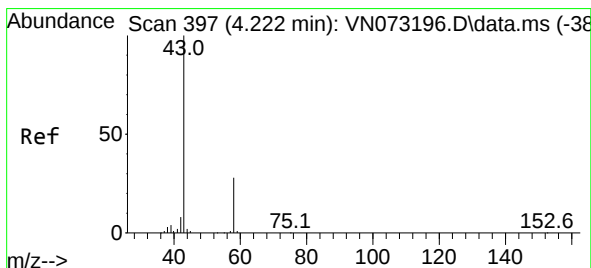
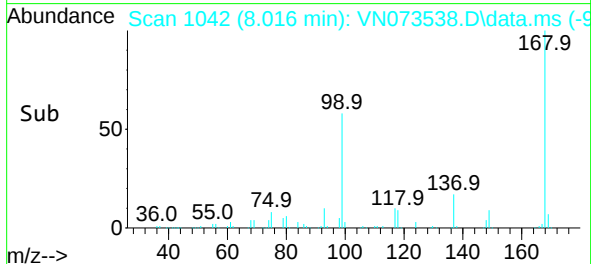
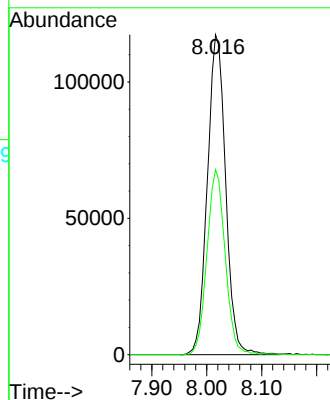
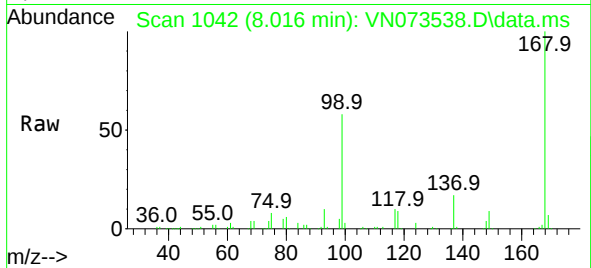




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

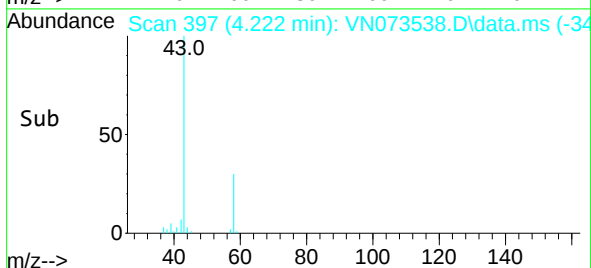
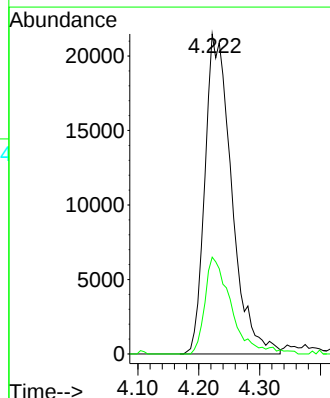
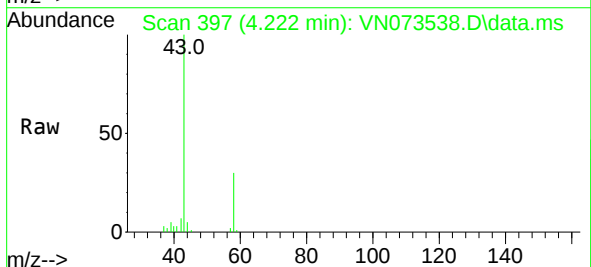
Instrument :
MSVOA_N
ClientSampleId :
070622-D

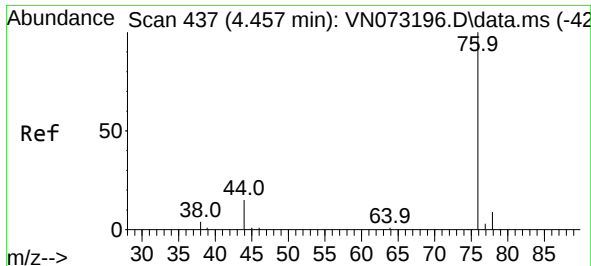
Tgt Ion:168 Resp: 270858
Ion Ratio Lower Upper
168 100
99 57.8 42.3 63.5



#16
Acetone
Concen: 29.737 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

Tgt Ion: 43 Resp: 65267
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0





#17

Carbon Disulfide

Concen: 1.080 ug/l

RT: 4.457 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN073538.D

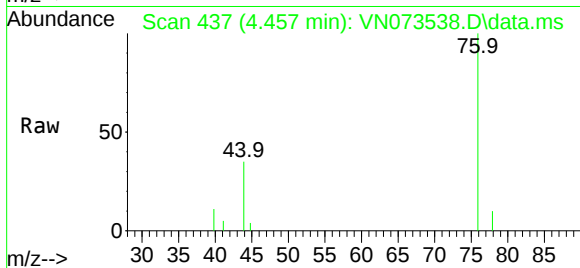
Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

070622-D

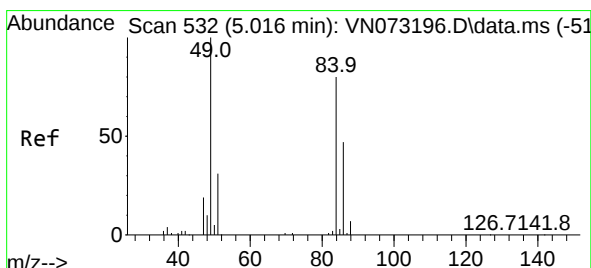
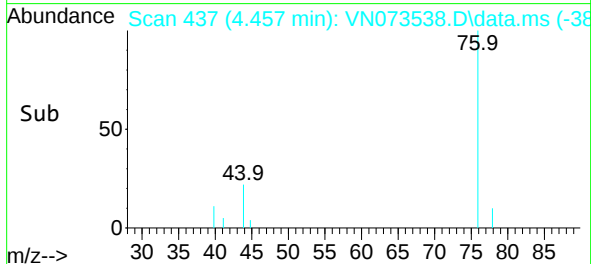
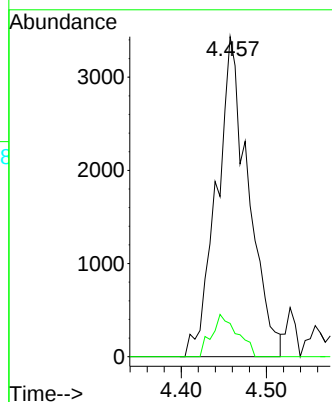


Tgt Ion: 76 Resp: 8926

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8



#20

Methylene Chloride

Concen: 1.894 ug/l

RT: 5.010 min Scan# 531

Delta R.T. -0.006 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Tgt Ion: 84 Resp: 7307

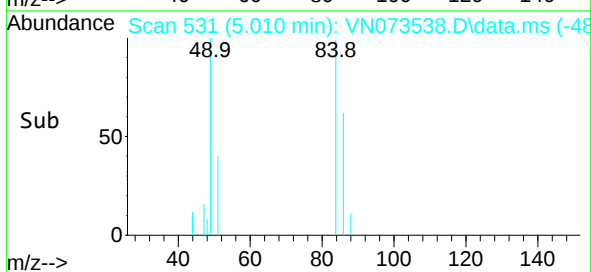
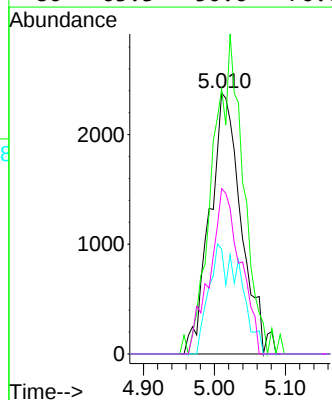
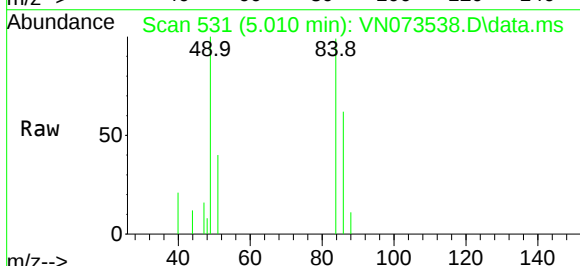
Ion Ratio Lower Upper

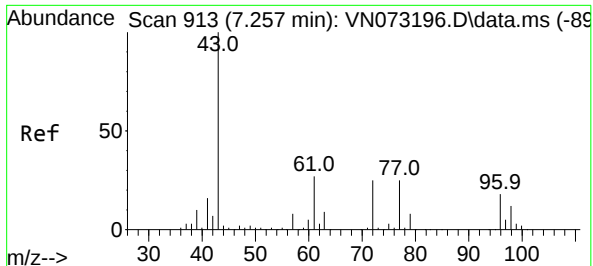
84 100

49 101.4 88.3 132.5

51 40.2 28.2 42.2

86 63.3 50.6 76.0





#25

2-Butanone

Concen: 2.918 ug/l

RT: 7.281 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

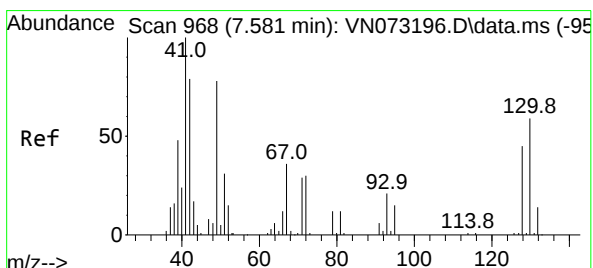
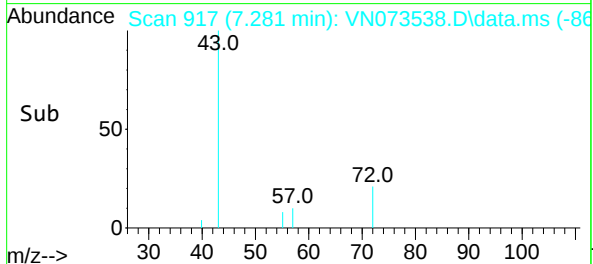
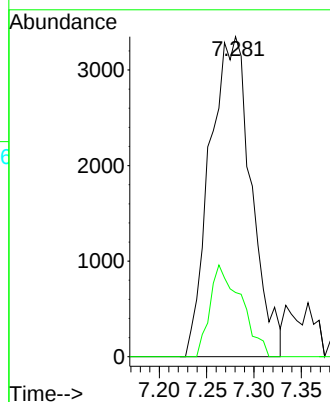
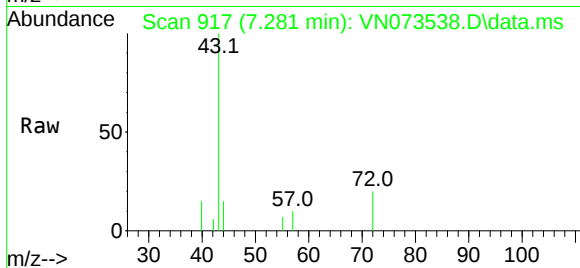
070622-D

Tgt Ion: 43 Resp: 10196

Ion Ratio Lower Upper

43 100

72 20.1 23.7 35.5#



#28

Bromochloromethane

Concen: 1.537 ug/l

RT: 7.592 min Scan# 970

Delta R.T. 0.011 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

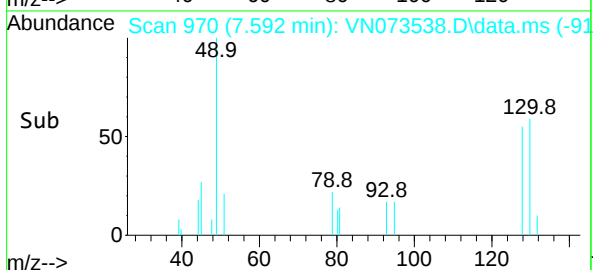
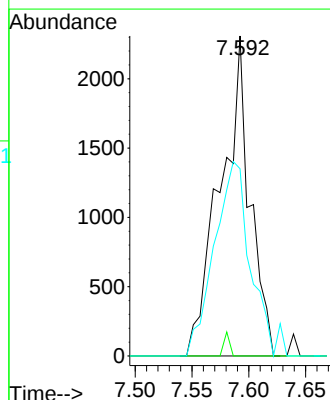
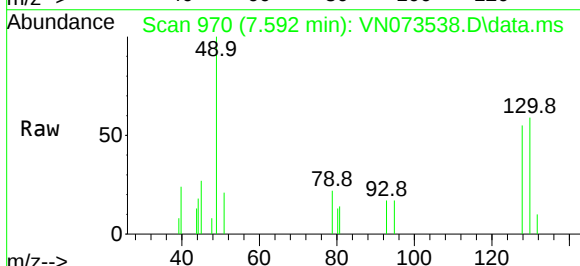
Tgt Ion: 49 Resp: 4174

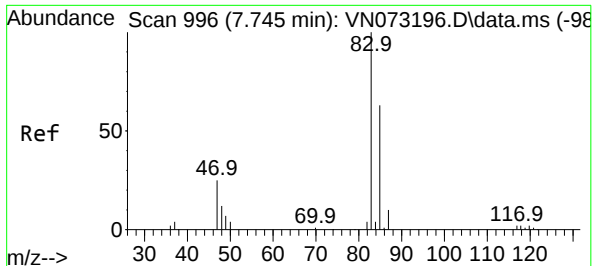
Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.6

130 74.8 69.7 104.5





#30

Chloroform

Concen: 5.781 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

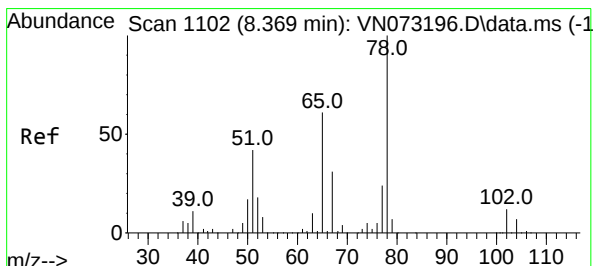
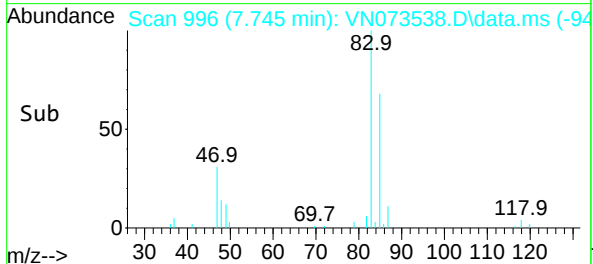
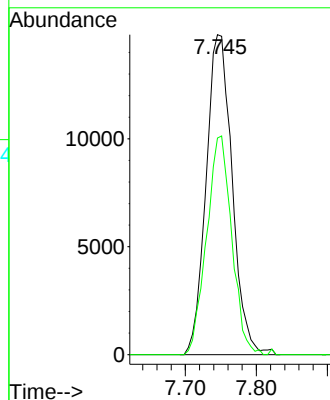
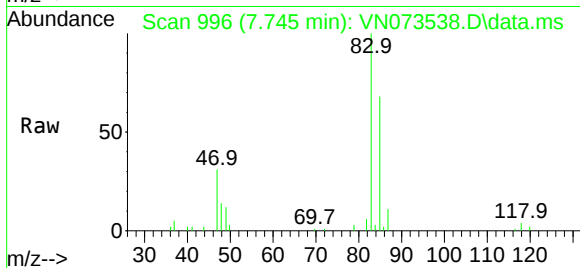
070622-D

Tgt Ion: 83 Resp: 37766

Ion Ratio Lower Upper

83 100

85 67.7 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 42.078 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073538.D

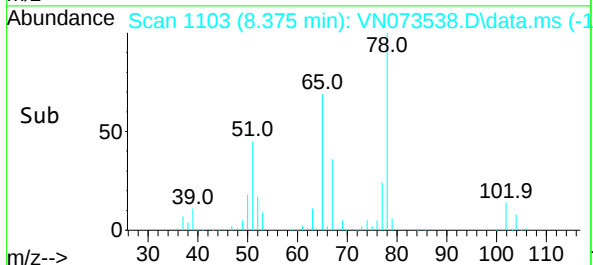
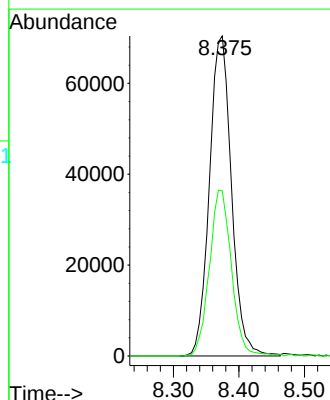
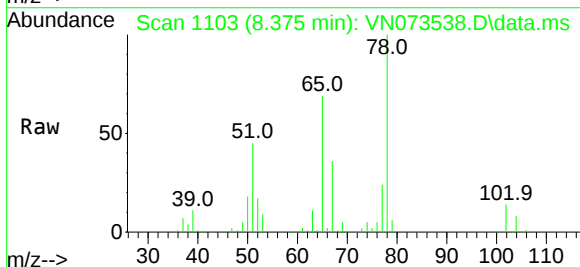
Acq: 20 Jul 2022 21:48

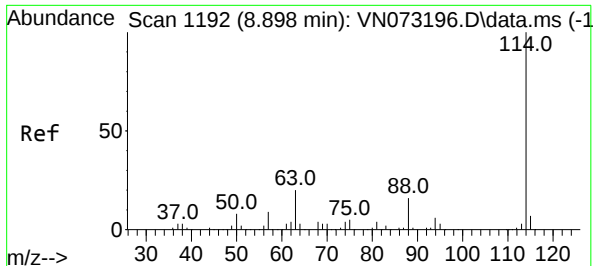
Tgt Ion: 65 Resp: 164529

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

070622-D

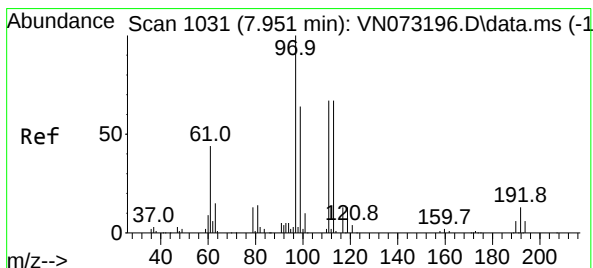
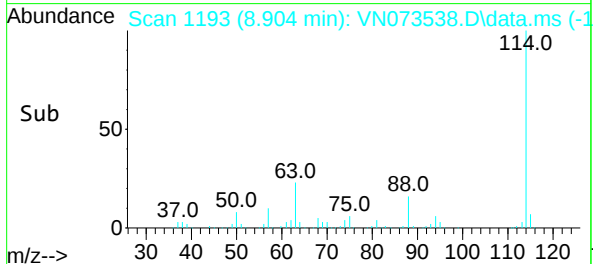
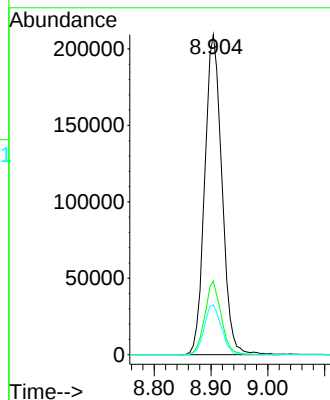
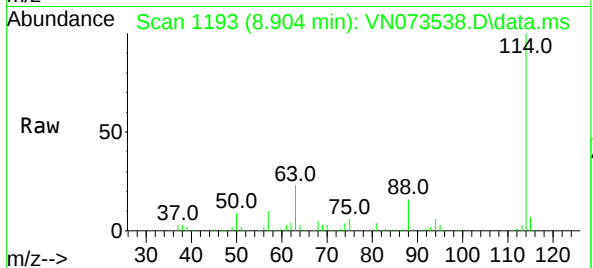
Tgt Ion:114 Resp: 438851

Ion Ratio Lower Upper

114 100

63 23.0 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.761 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

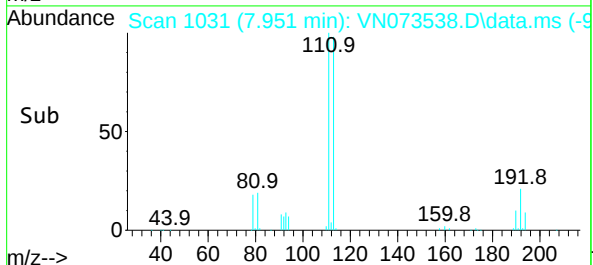
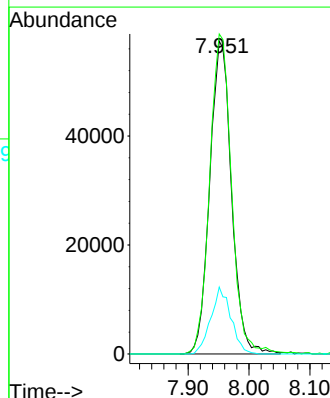
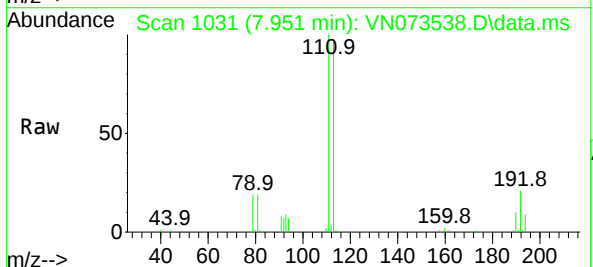
Tgt Ion:113 Resp: 142368

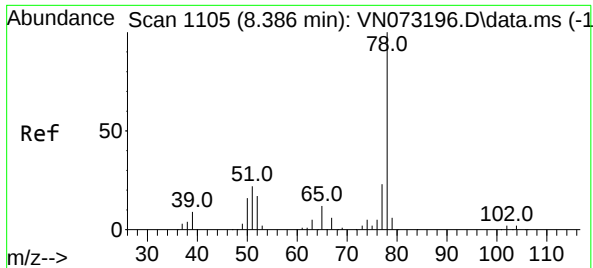
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 19.8 17.0 25.6

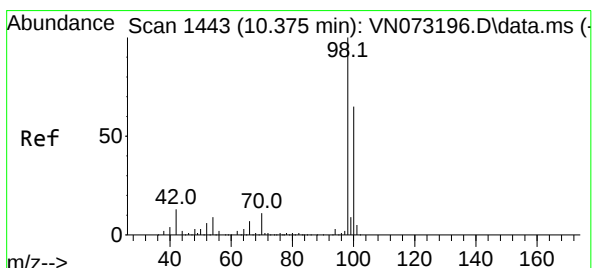
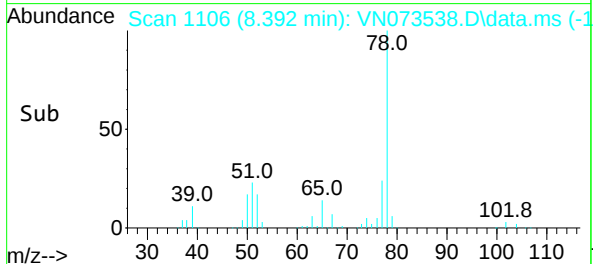
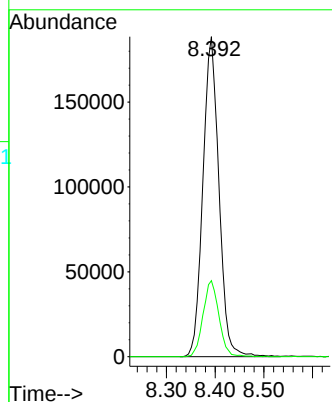
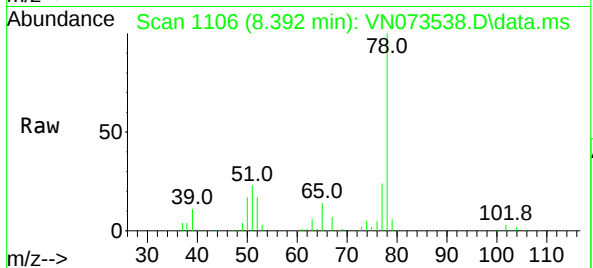




#40
Benzene
Concen: 31.023 ug/l
RT: 8.392 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

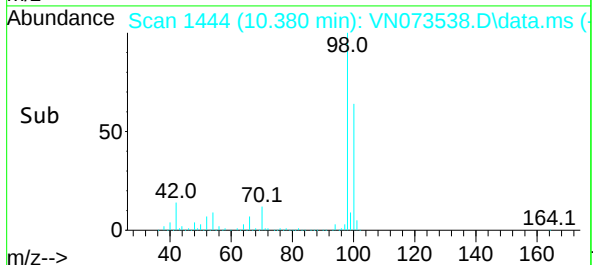
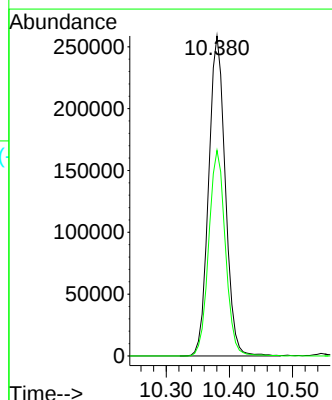
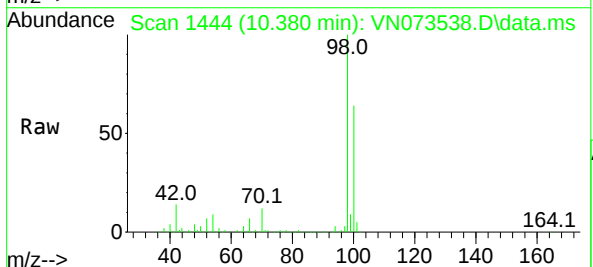
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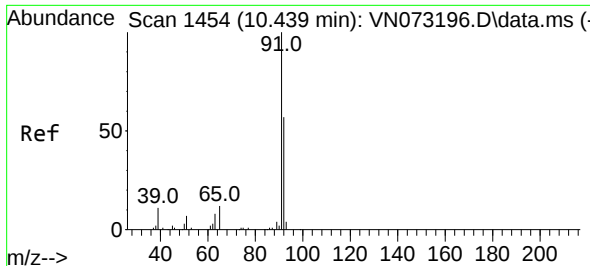
Tgt Ion: 78 Resp: 430135
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0



#50
Toluene-d8
Concen: 45.700 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

Tgt Ion: 98 Resp: 473905
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

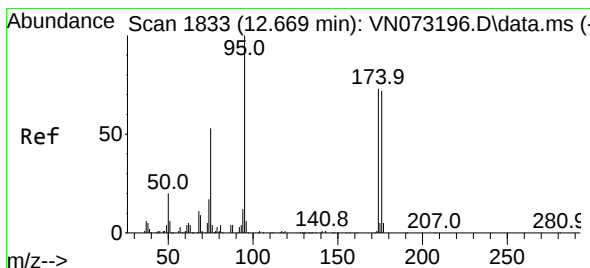
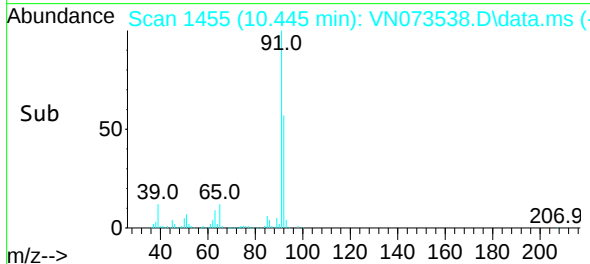
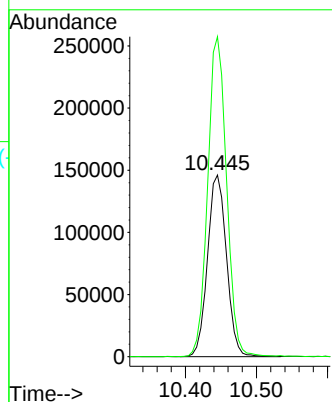
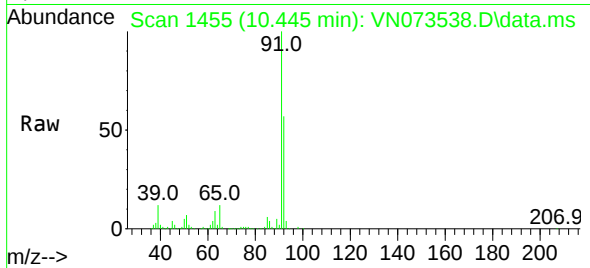




#52
Toluene
Concen: 31.691 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

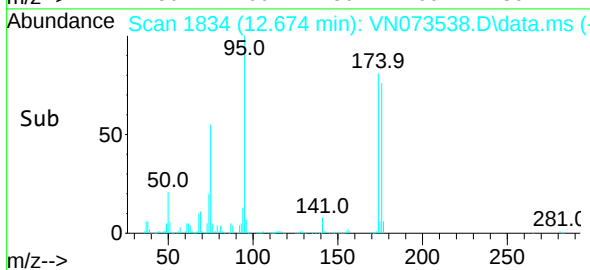
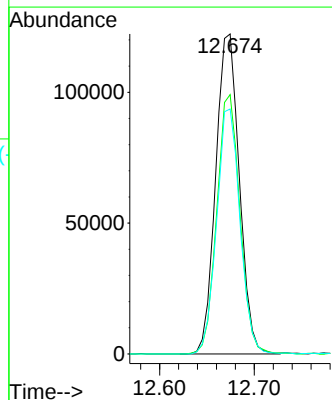
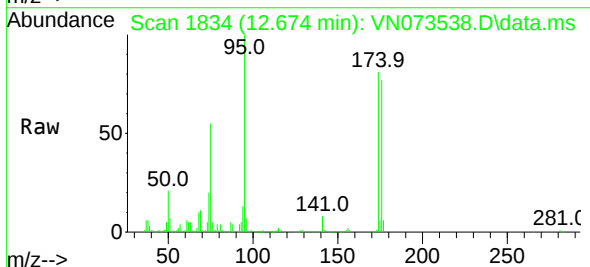
Instrument :
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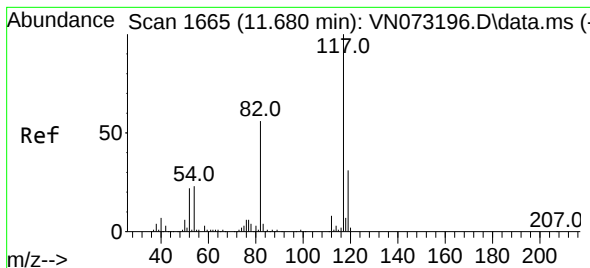
Tgt Ion: 92 Resp: 271540
Ion Ratio Lower Upper
92 100
91 175.6 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 53.196 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

Tgt Ion: 95 Resp: 211991
Ion Ratio Lower Upper
95 100
174 79.5 0.0 167.6
176 75.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

070622-D

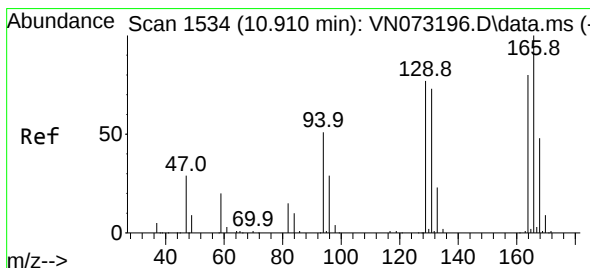
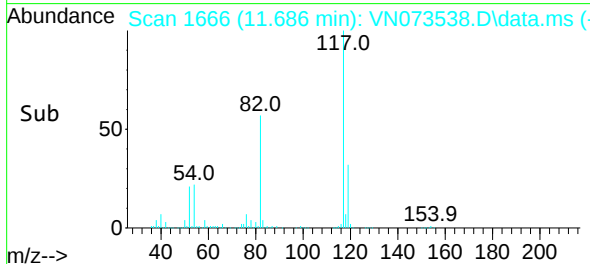
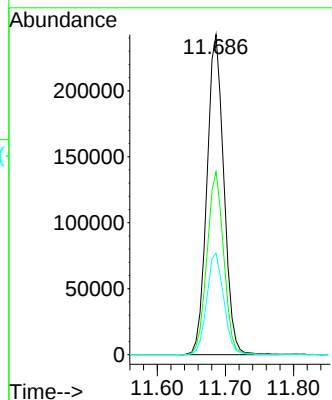
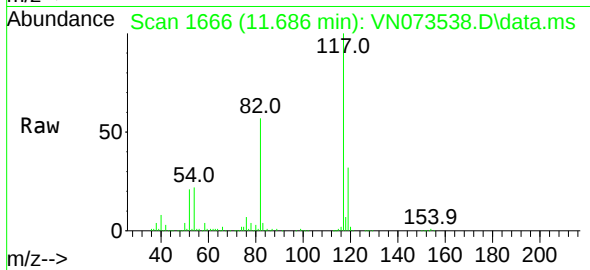
Tgt Ion:117 Resp: 418986

Ion Ratio Lower Upper

117 100

82 57.1 44.2 66.2

119 31.7 25.4 38.0



#64

Tetrachloroethene

Concen: 0.711 ug/l

RT: 10.922 min Scan# 1536

Delta R.T. 0.012 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Tgt Ion:164 Resp: 2434

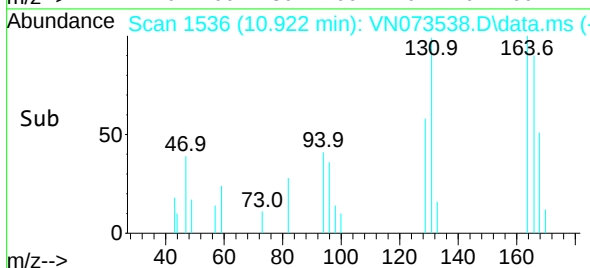
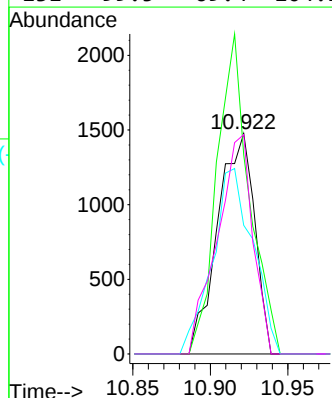
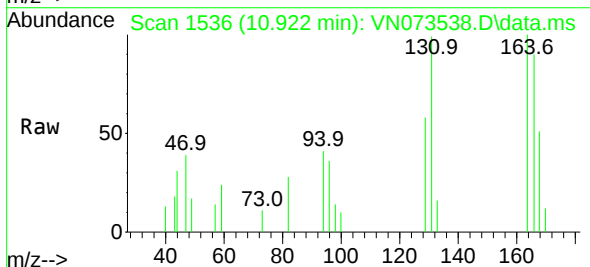
Ion Ratio Lower Upper

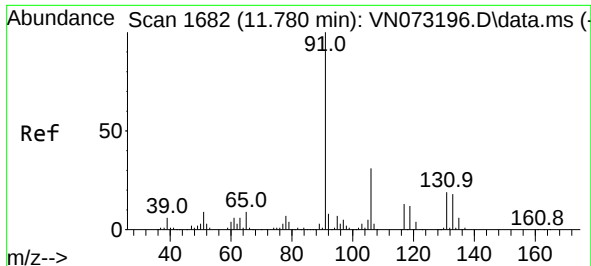
164 100

166 90.3 104.2 156.2#

129 58.4 73.9 110.9#

131 99.5 69.4 104.2

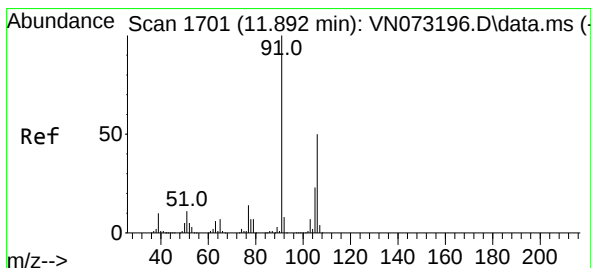
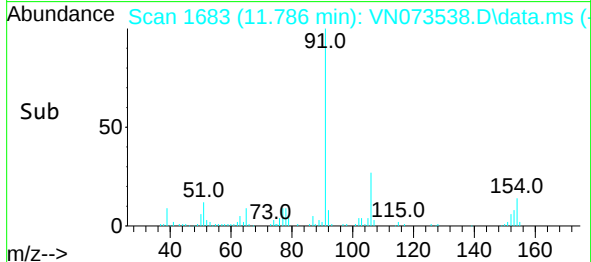
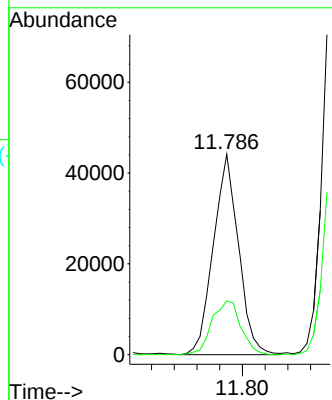
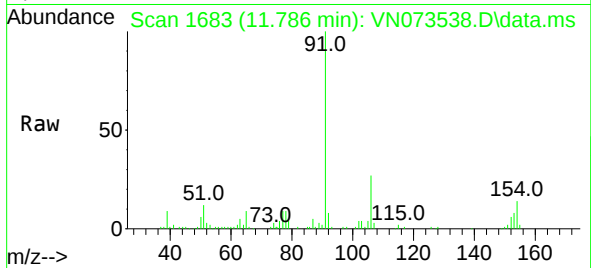




#67
Ethyl Benzene
Concen: 3.952 ug/l
RT: 11.786 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

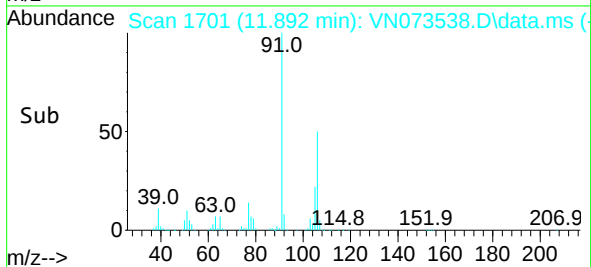
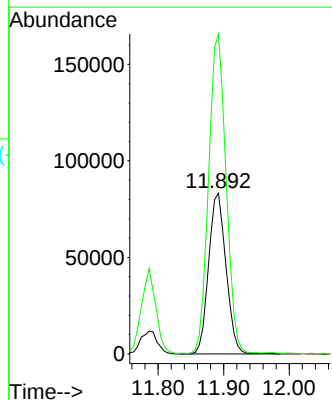
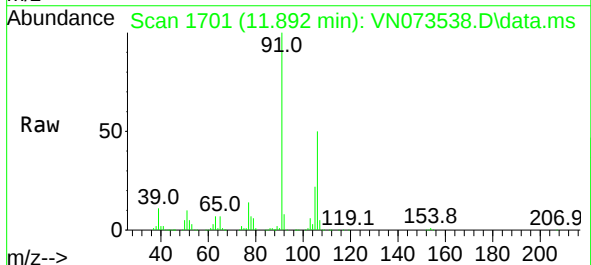
Instrument :
MSVOA_N
ClientSampleId :
070622-D

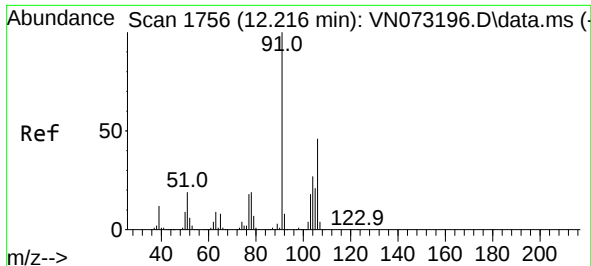
Tgt Ion: 91 Resp: 67980
Ion Ratio Lower Upper
91 100
106 26.8 24.9 37.3



#68
m/p-Xylenes
Concen: 23.636 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

Tgt Ion: 106 Resp: 153459
Ion Ratio Lower Upper
106 100
91 199.3 158.9 238.3

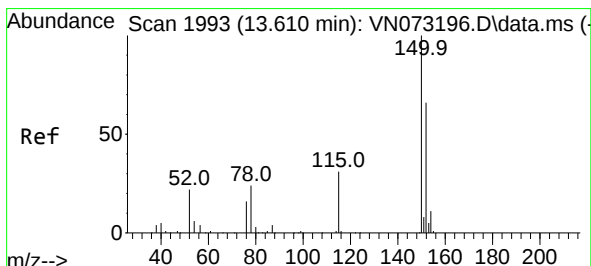
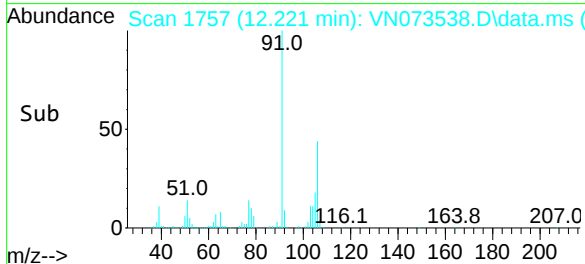
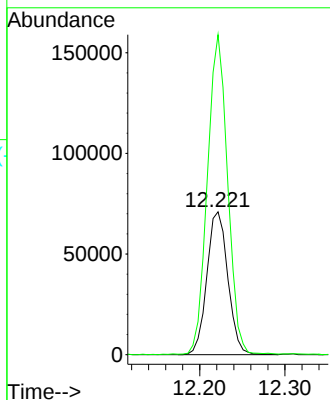
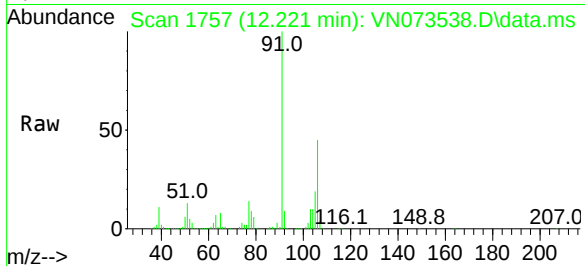




#69
o-Xylene
Concen: 18.316 ug/l
RT: 12.221 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

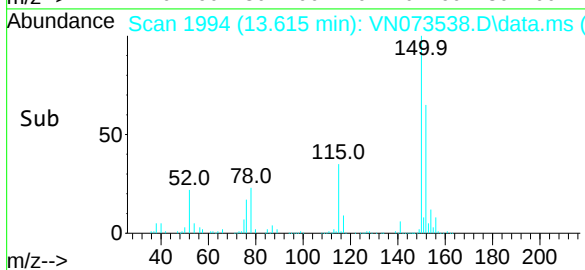
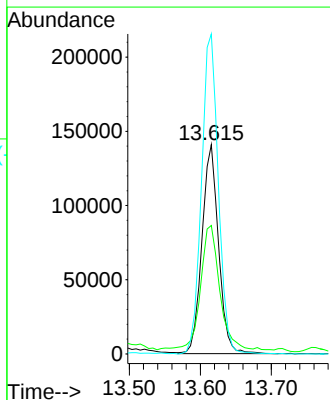
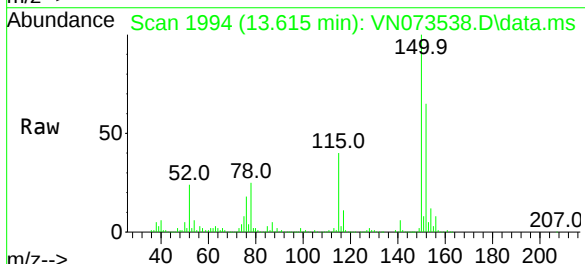
Instrument :
MSVOA_N
ClientSampleId :
070622-D

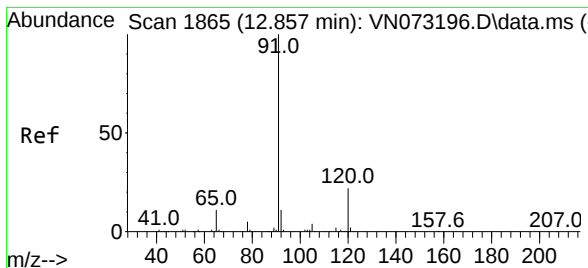
Tgt Ion:106 Resp: 121394
Ion Ratio Lower Upper
106 100
91 216.8 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073538.D
Acq: 20 Jul 2022 21:48

Tgt Ion:152 Resp: 228665
Ion Ratio Lower Upper
152 100
115 70.0 28.9 86.7
150 155.5 0.0 356.2





#78

n-propylbenzene

Concen: 0.641 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

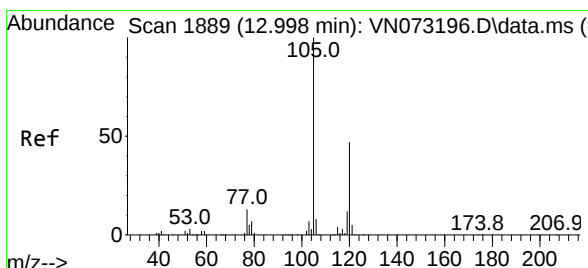
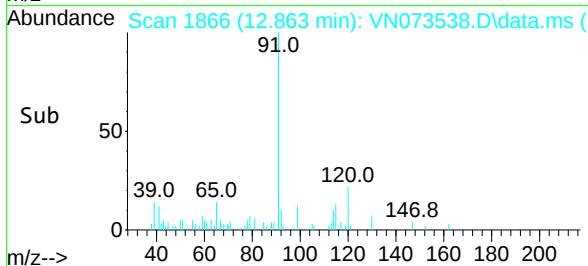
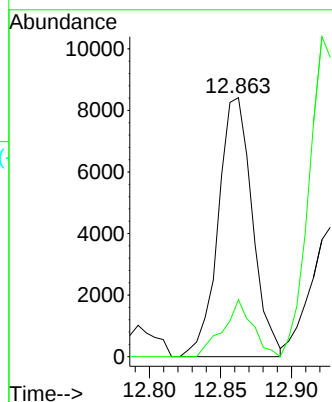
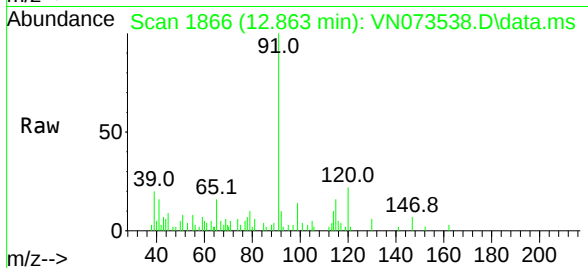
070622-D

Tgt Ion: 91 Resp: 14062

Ion Ratio Lower Upper

91 100

120 18.9 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 3.461 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073538.D

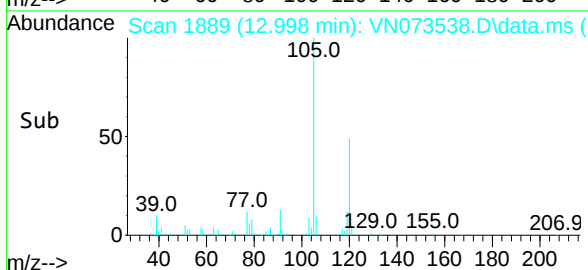
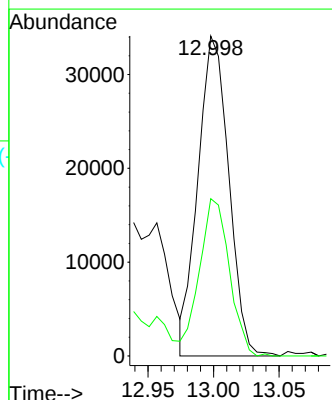
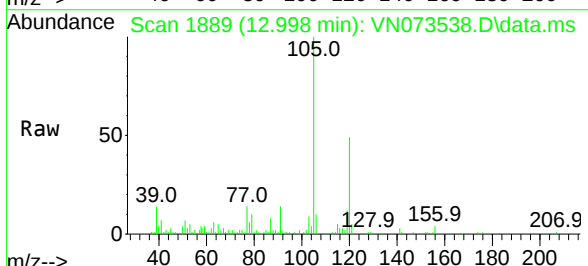
Acq: 20 Jul 2022 21:48

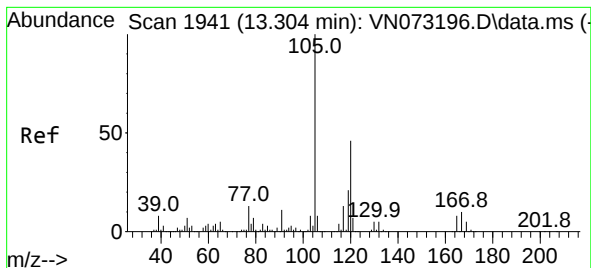
Tgt Ion:105 Resp: 55703

Ion Ratio Lower Upper

105 100

120 47.8 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 11.323 ug/l

RT: 13.310 min Scan# 1941

Delta R.T. 0.006 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Instrument :

MSVOA_N

ClientSampleId :

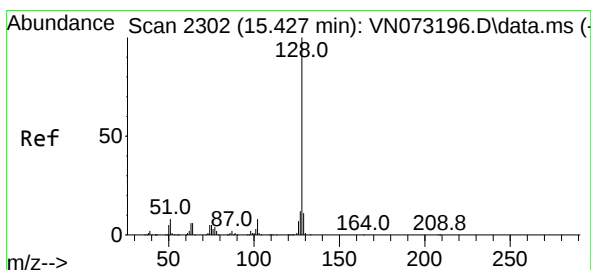
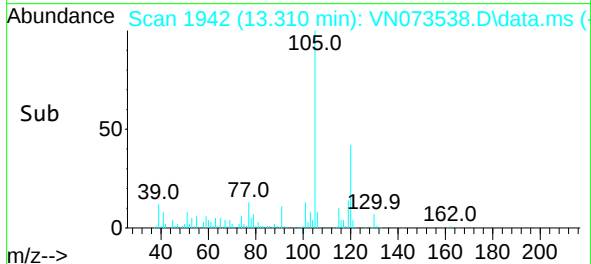
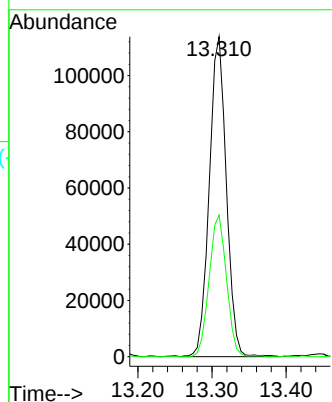
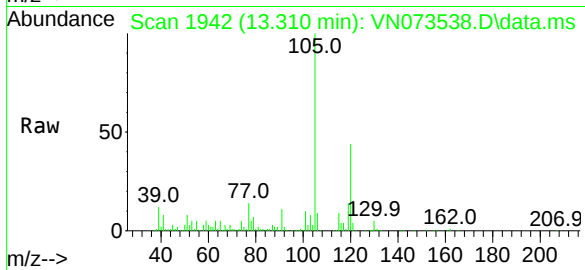
070622-D

Tgt Ion:105 Resp: 181943

Ion Ratio Lower Upper

105 100

120 45.0 23.3 69.8



#95

Naphthalene

Concen: 271.840 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073538.D

Acq: 20 Jul 2022 21:48

Tgt Ion:128 Resp: 4790775

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.9 8.6 13.0

