

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078522.D
 Acq On : 14 Jul 2023 15:11
 Operator : JC\MD
 Sample : 03620-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 713-C

Quant Time: Jul 15 04:02:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

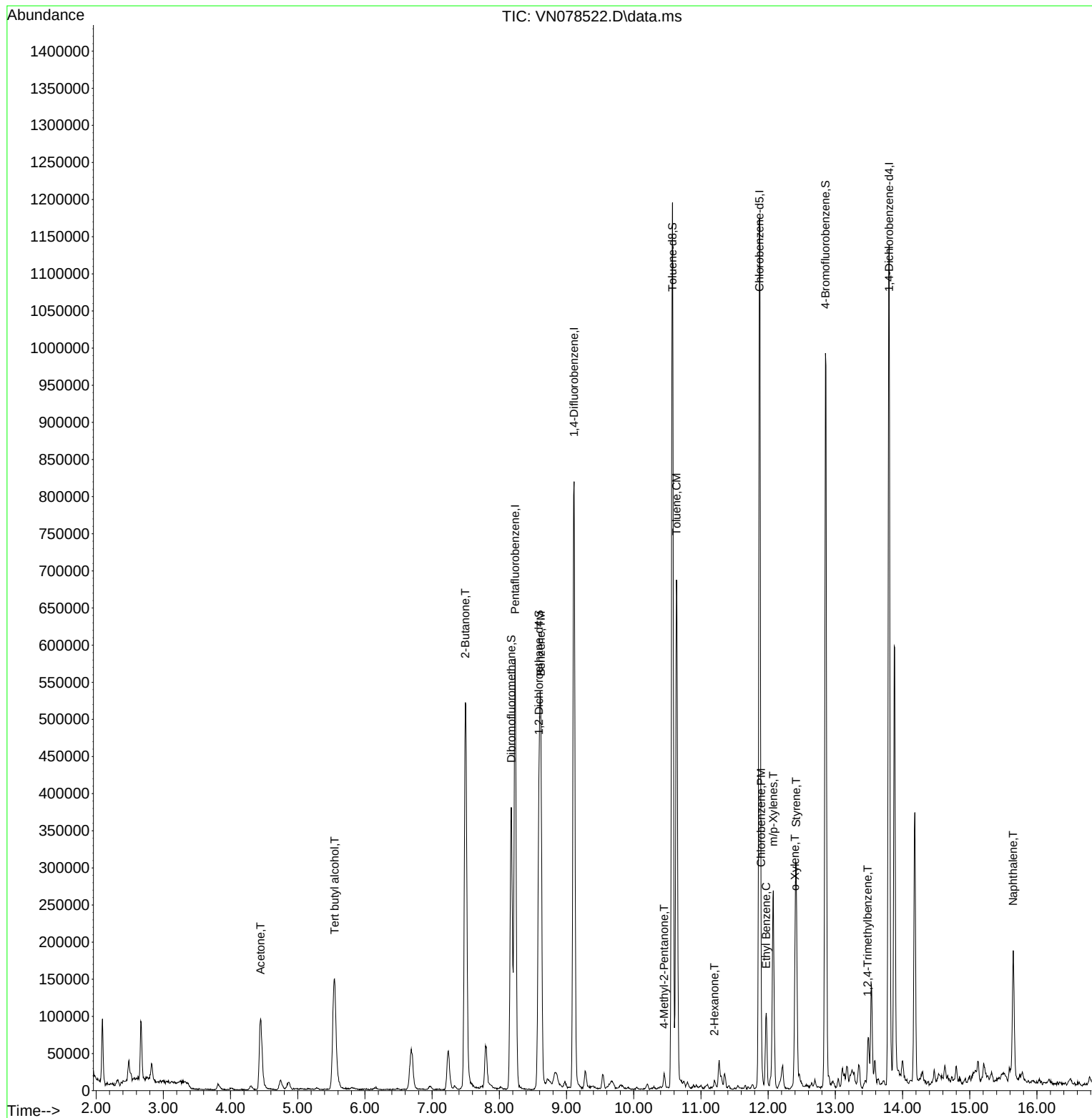
Internal Standards						
1) Pentafluorobenzene	8.236	168	415880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	741729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	704211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	311602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	275098	49.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.680%		
35) Dibromofluoromethane	8.177	113	282671	56.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.280%		
50) Toluene-d8	10.577	98	861238	45.278	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.560%		
62) 4-Bromofluorobenzene	12.853	95	340545	58.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.240%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.547	59	266037	309.443	ug/l	100
16) Acetone	4.448	43	180810	104.111	ug/l	97
25) 2-Butanone	7.494	43	832337	304.459	ug/l #	83
40) Benzene	8.618	78	462809	21.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.453	43	13560	2.285	ug/l	90
52) Toluene	10.635	92	313989	23.521	ug/l	98
59) 2-Hexanone	11.200	43	8015	1.900	ug/l	61
65) Chlorobenzene	11.894	112	7045	0.448	ug/l #	88
67) Ethyl Benzene	11.971	91	68922	2.590	ug/l	96
68) m/p-Xylenes	12.076	106	83652	8.503	ug/l	99
69) o-Xylene	12.400	106	47429	4.773	ug/l	100
70) Styrene	12.418	104	101606	6.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	37589	1.673	ug/l	100
95) Naphthalene	15.647	128	158562	12.992	ug/l	100

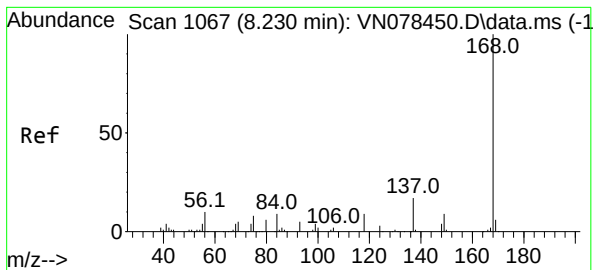
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
Data File : VN078522.D
Acq On : 14 Jul 2023 15:11
Operator : JC\MD
Sample : 03620-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
713-C

Quant Time: Jul 15 04:02:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

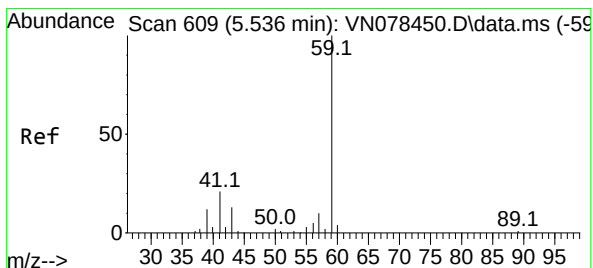
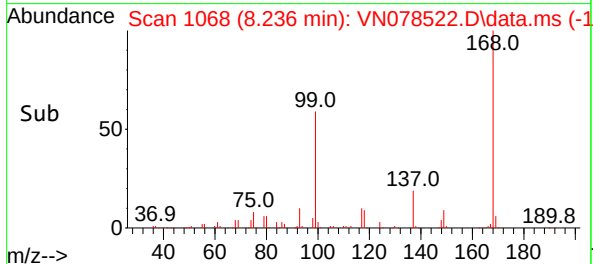
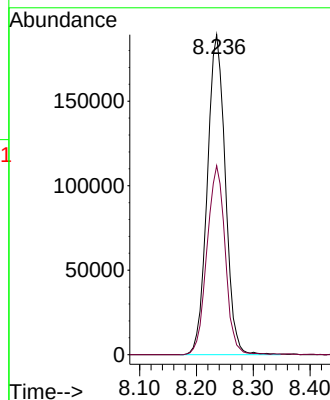
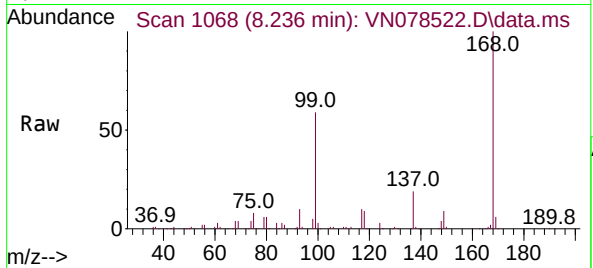




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

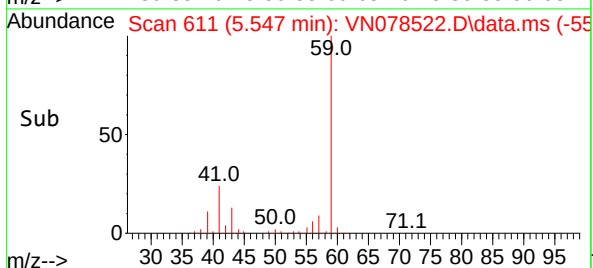
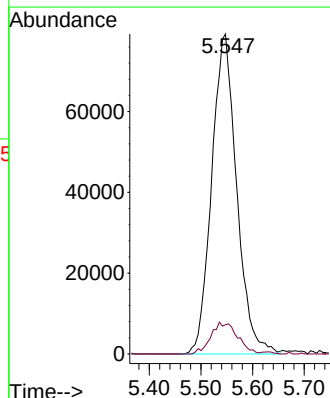
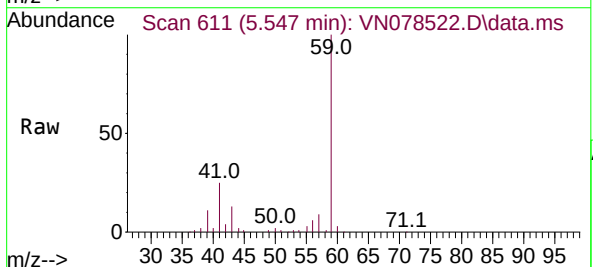
Instrument :
MSVOA_N
ClientSampleId :
713-C

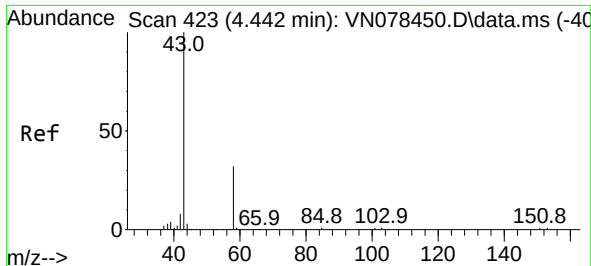
Tgt Ion:168 Resp: 415880
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#11
Tert butyl alcohol
Concen: 309.443 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

Tgt Ion: 59 Resp: 266037
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

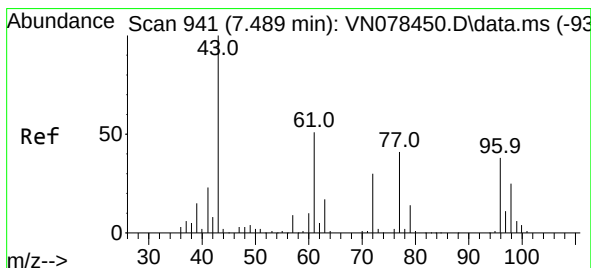
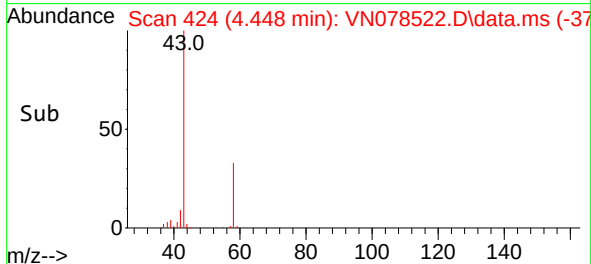
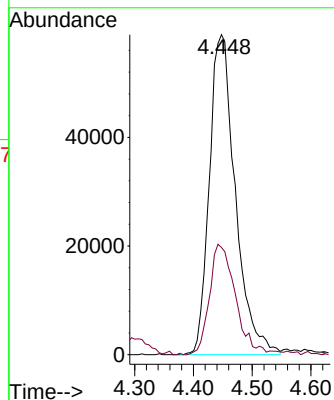
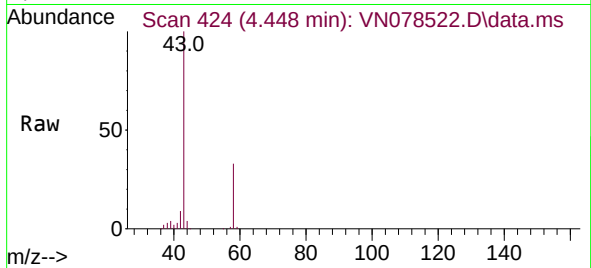




#16
Acetone
Concen: 104.111 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

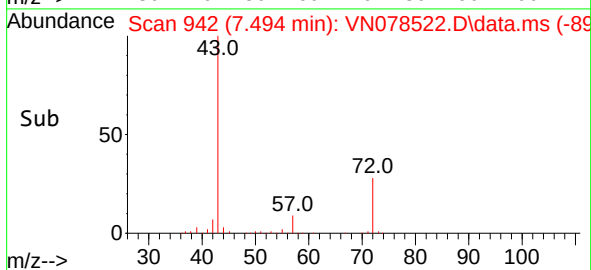
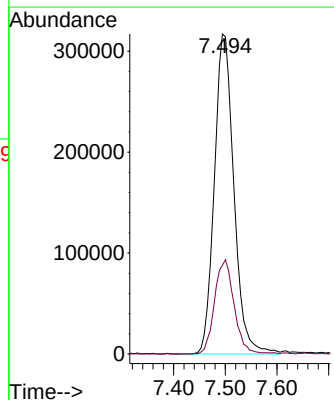
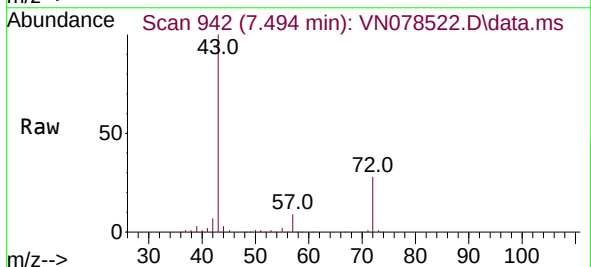
Instrument :
MSVOA_N
ClientSampleId :
713-C

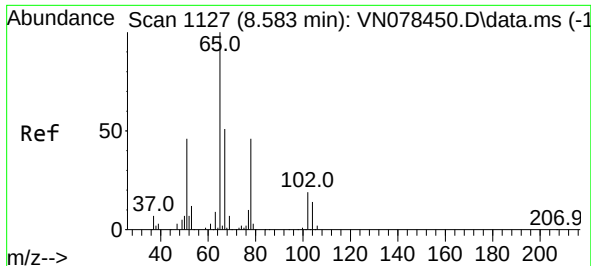
Tgt Ion: 43 Resp: 180810
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0



#25
2-Butanone
Concen: 304.459 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.005 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

Tgt Ion: 43 Resp: 832337
Ion Ratio Lower Upper
43 100
72 27.7 30.2 45.2#





#33

1,2-Dichloroethane-d4

Concen: 49.342 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

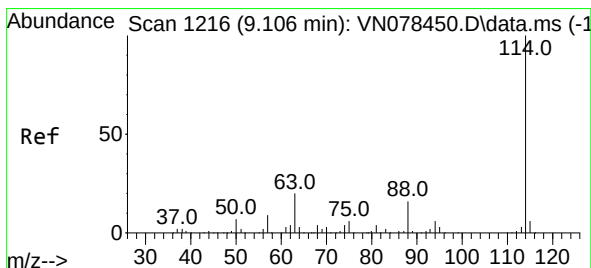
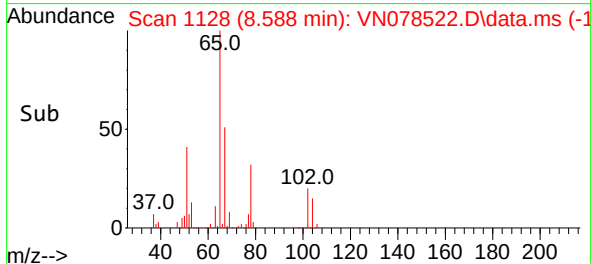
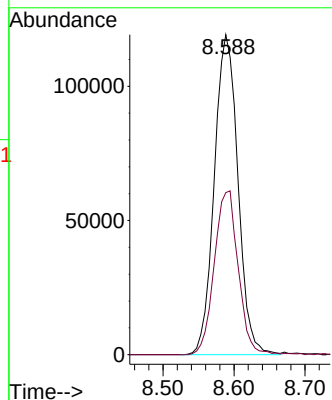
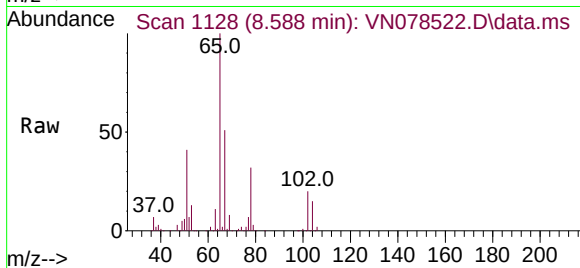
713-C

Tgt Ion: 65 Resp: 275098

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

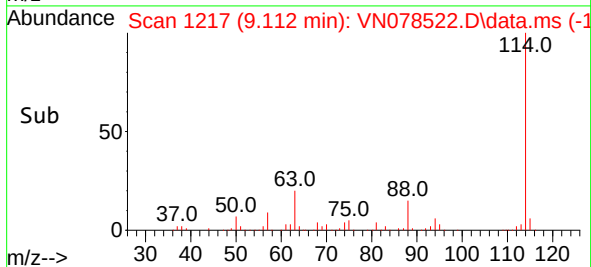
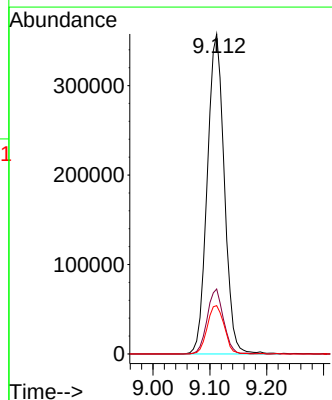
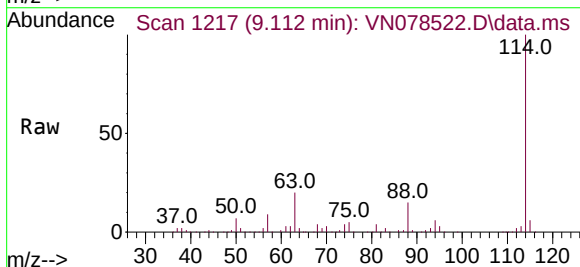
Tgt Ion: 114 Resp: 741729

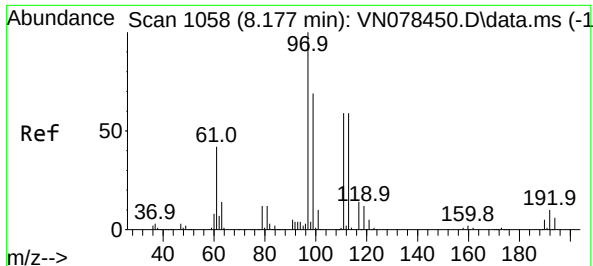
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.140 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

713-C

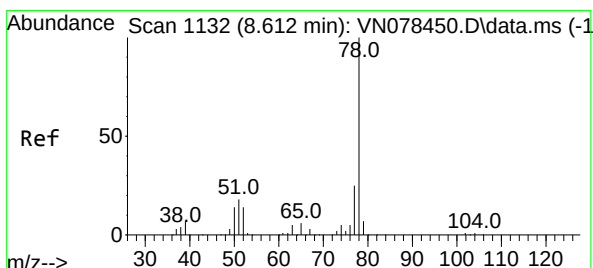
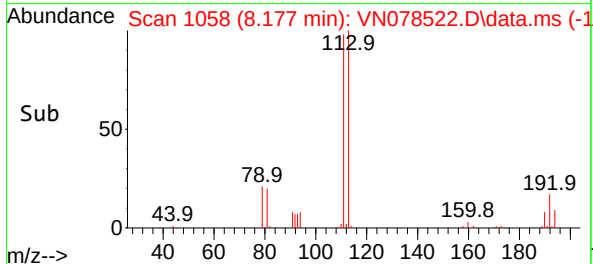
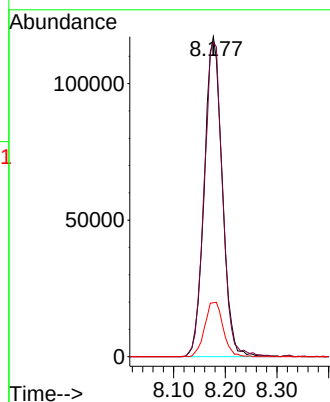
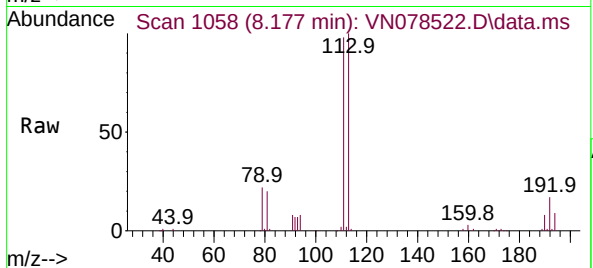
Tgt Ion:113 Resp: 282671

Ion Ratio Lower Upper

113 100

111 100.0 82.6 123.8

192 17.5 12.7 19.1



#40

Benzene

Concen: 21.487 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN078522.D

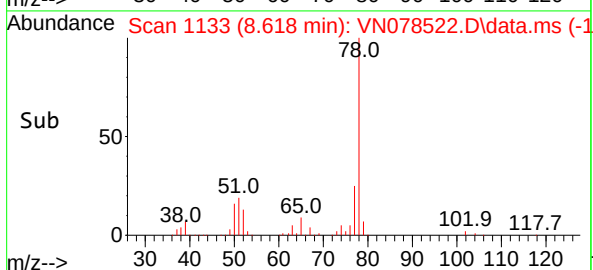
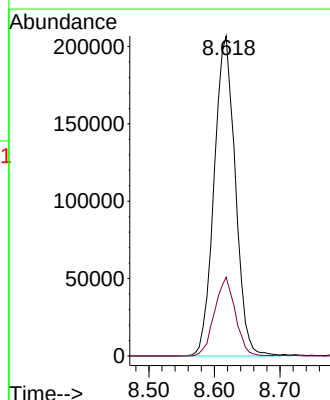
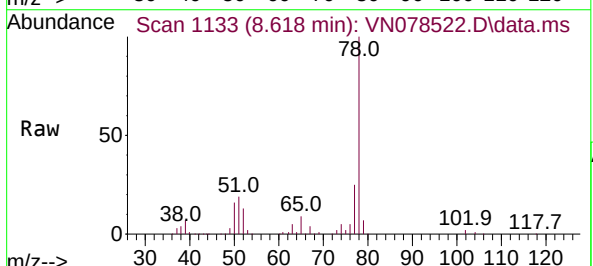
Acq: 14 Jul 2023 15:11

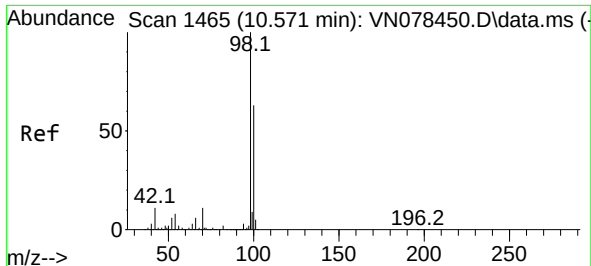
Tgt Ion: 78 Resp: 462809

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.6

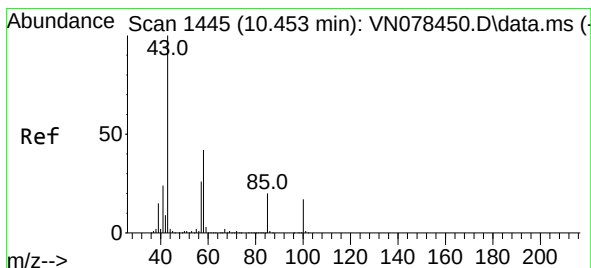
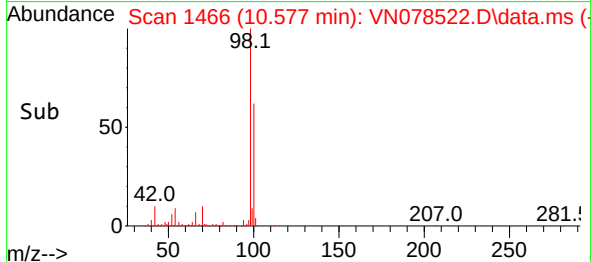
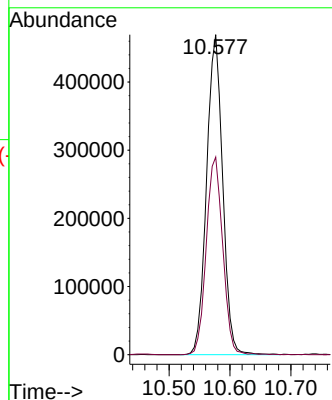
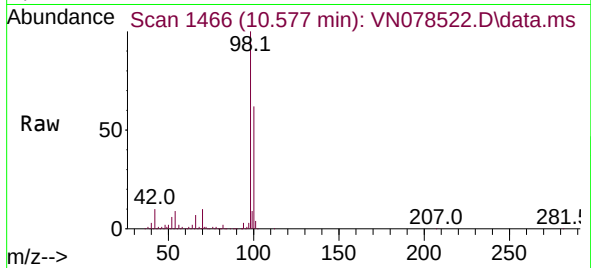




#50
Toluene-d8
Concen: 45.278 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

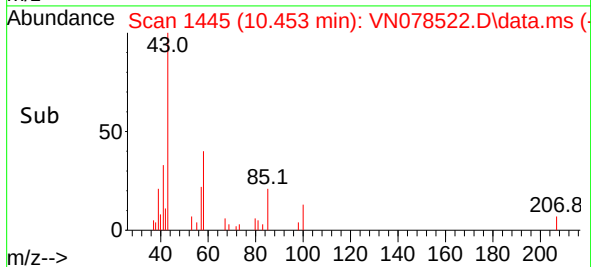
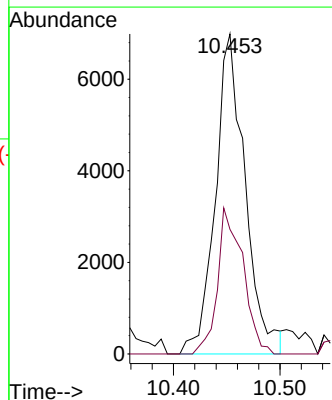
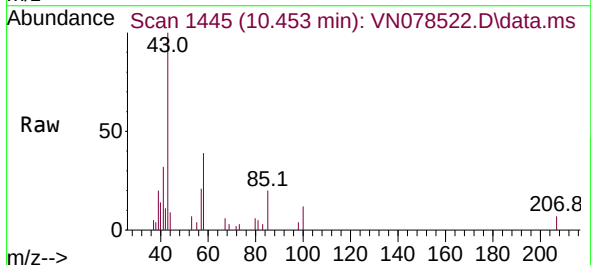
Instrument :
MSVOA_N
ClientSampleId :
713-C

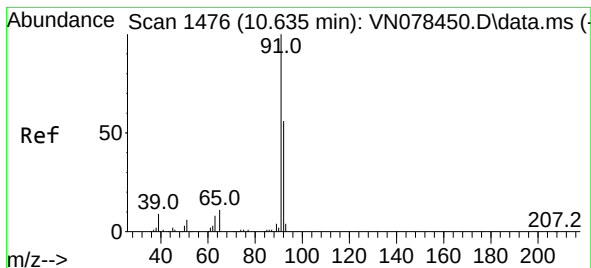
Tgt Ion: 98 Resp: 861238
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.285 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

Tgt Ion: 43 Resp: 13560
Ion Ratio Lower Upper
43 100
58 39.0 36.6 54.8





#52

Toluene

Concen: 23.521 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

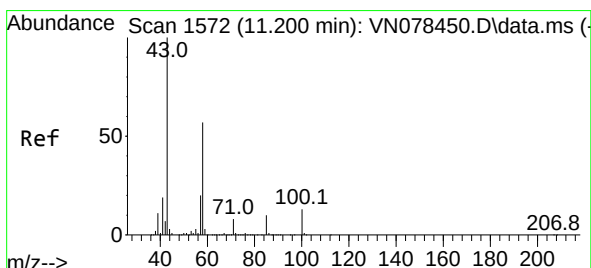
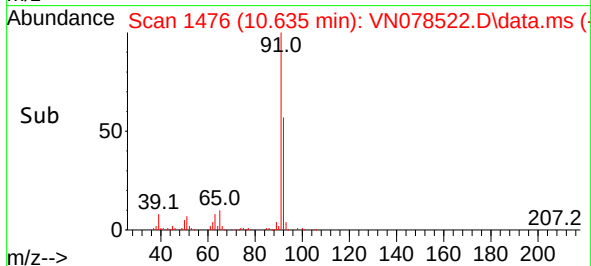
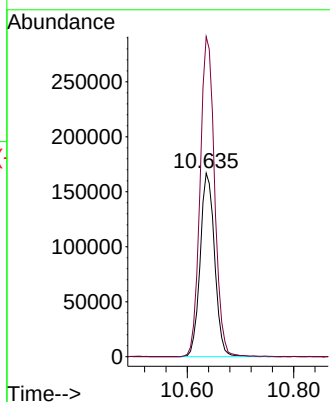
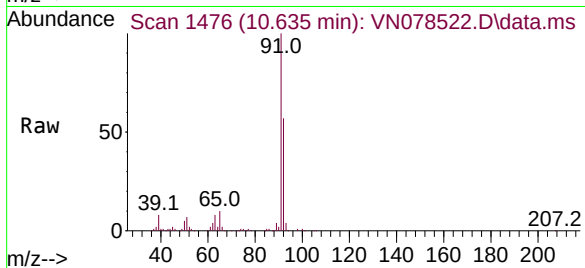
713-C

Tgt Ion: 92 Resp: 313989

Ion Ratio Lower Upper

92 100

91 175.1 137.4 206.0



#59

2-Hexanone

Concen: 1.900 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.000 min

Lab File: VN078522.D

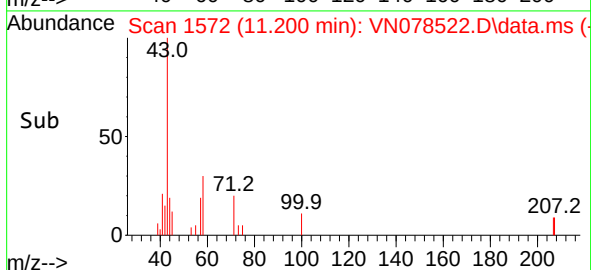
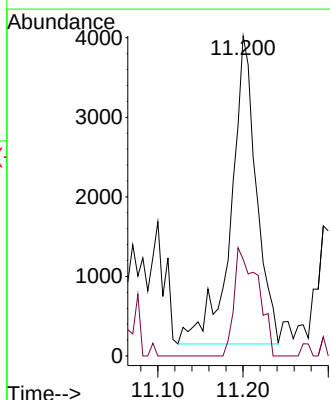
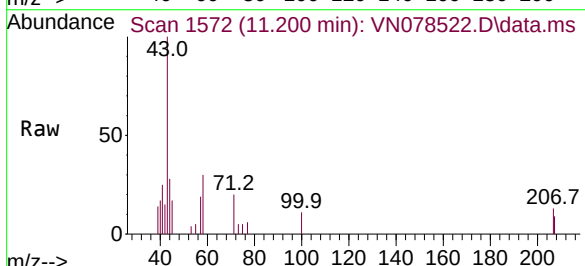
Acq: 14 Jul 2023 15:11

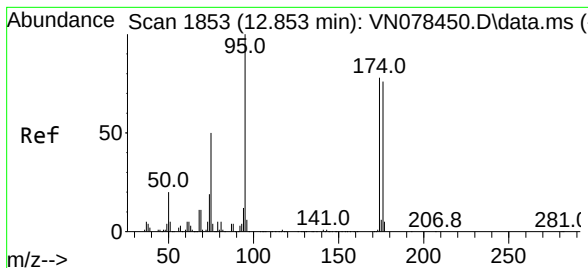
Tgt Ion: 43 Resp: 8015

Ion Ratio Lower Upper

43 100

58 32.8 31.7 95.1

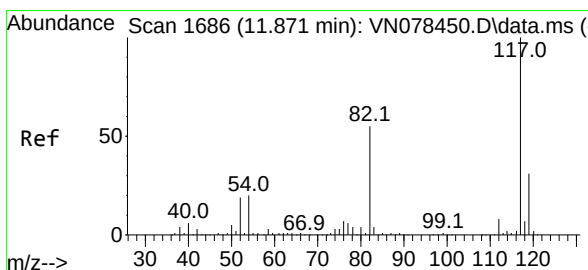
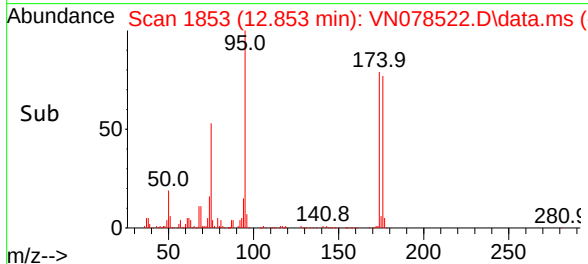
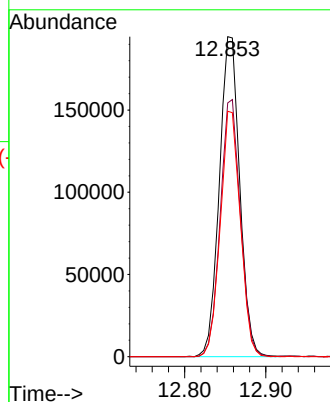
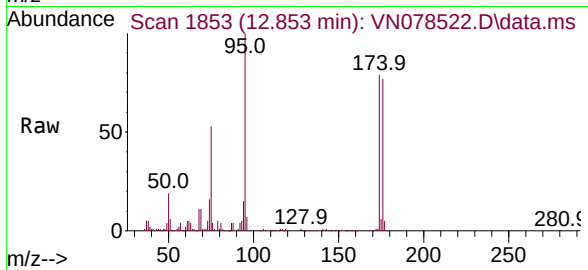




#62
4-Bromofluorobenzene
Concen: 58.125 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

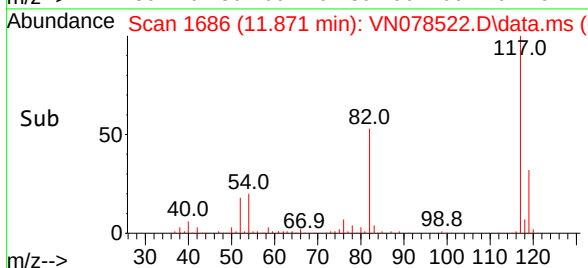
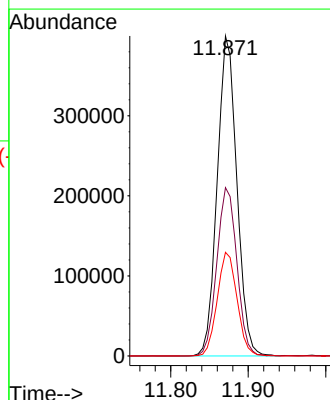
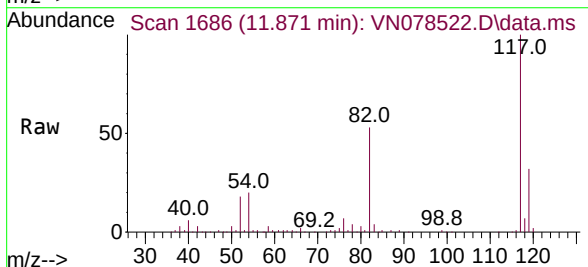
Instrument :
MSVOA_N
ClientSampleId :
713-C

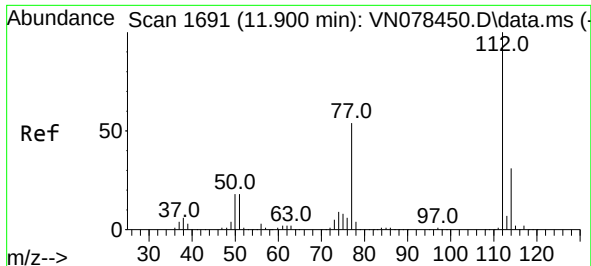
Tgt Ion: 95 Resp: 340545
Ion Ratio Lower Upper
95 100
174 79.4 0.0 143.8
176 75.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

Tgt Ion: 117 Resp: 704211
Ion Ratio Lower Upper
117 100
82 52.6 44.0 66.0
119 32.4 25.6 38.4

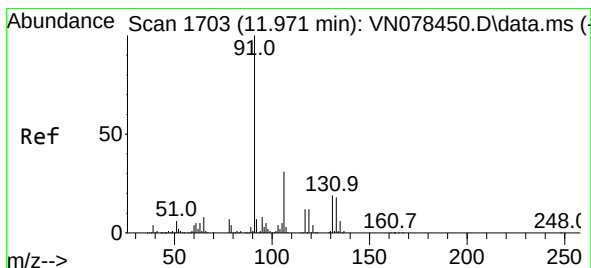
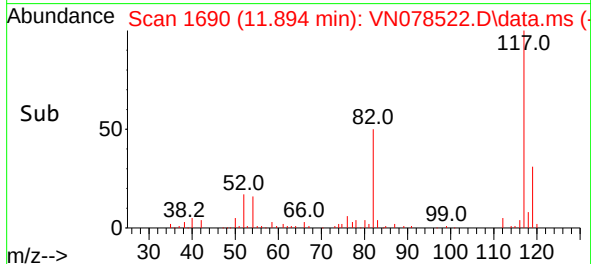
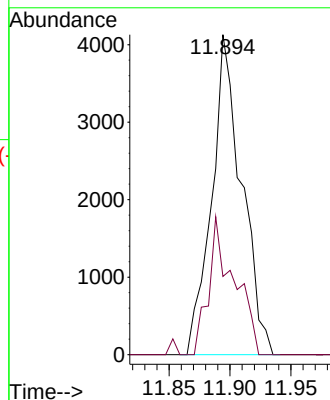
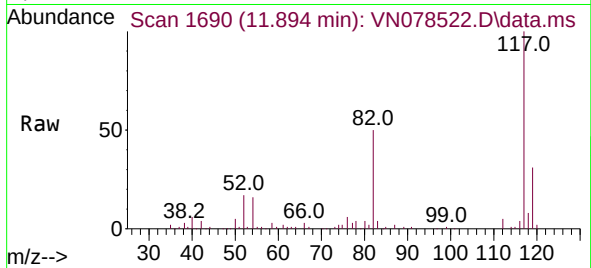




#65
Chlorobenzene
Concen: 0.448 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

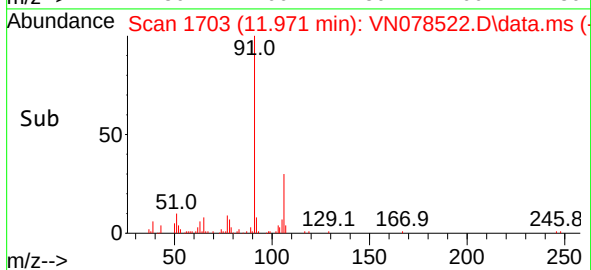
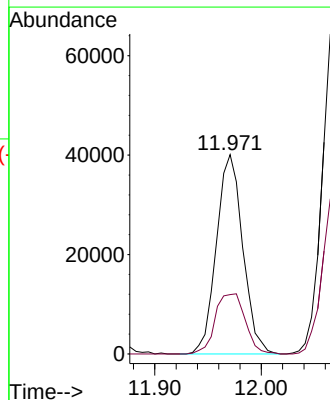
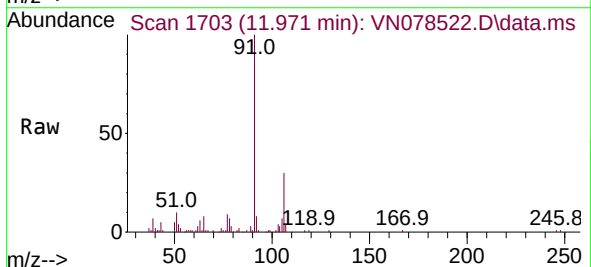
Instrument :
MSVOA_N
ClientSampleId :
713-C

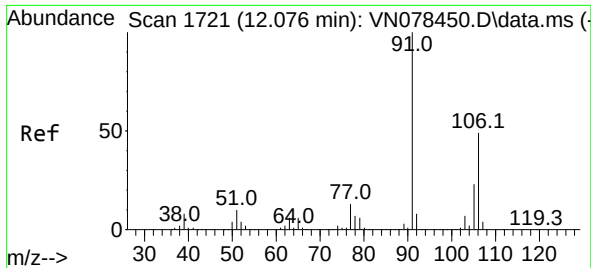
Tgt Ion:112 Resp: 7045
Ion Ratio Lower Upper
112 100
114 24.4 25.0 37.4#



#67
Ethyl Benzene
Concen: 2.590 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

Tgt Ion: 91 Resp: 68922
Ion Ratio Lower Upper
91 100
106 29.7 25.6 38.4

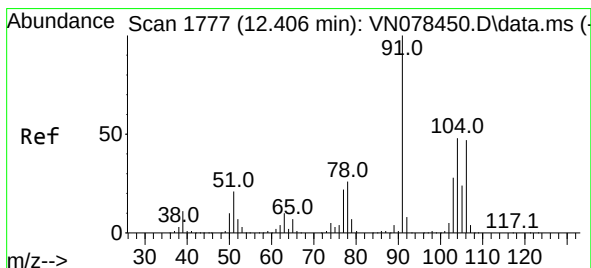
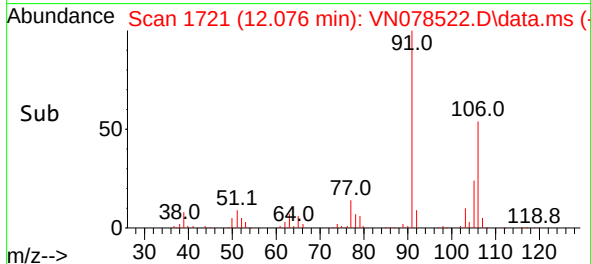
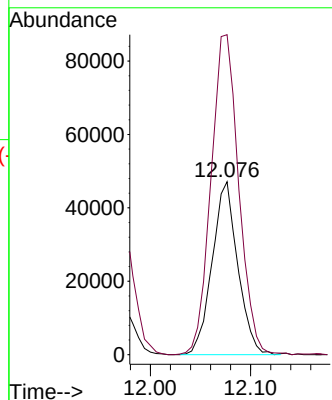
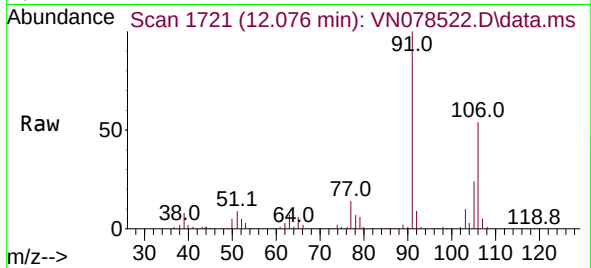




#68
m/p-Xylenes
Concen: 8.503 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

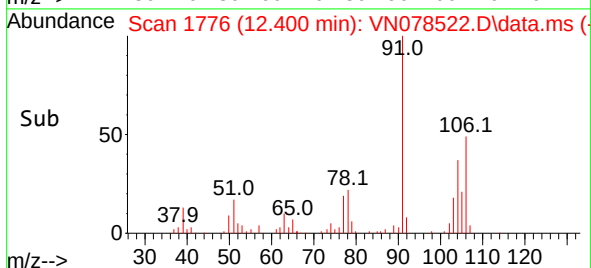
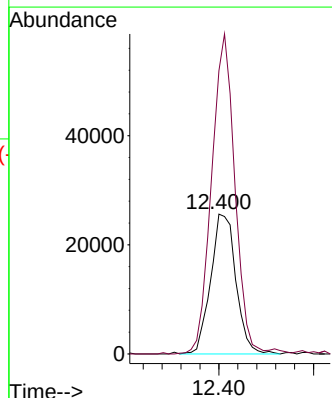
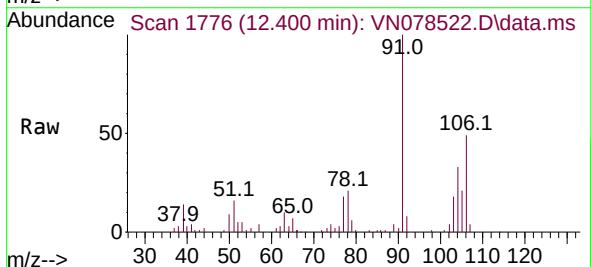
Instrument :
MSVOA_N
ClientSampleId :
713-C

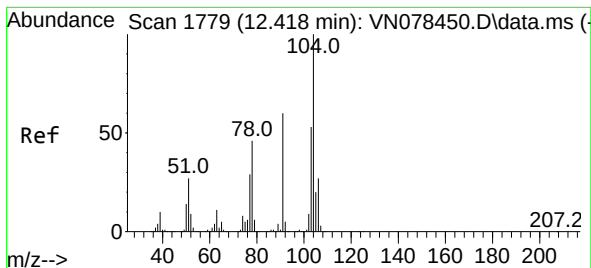
Tgt Ion:106 Resp: 83652
Ion Ratio Lower Upper
106 100
91 200.6 159.6 239.4



#69
o-Xylene
Concen: 4.773 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN078522.D
Acq: 14 Jul 2023 15:11

Tgt Ion:106 Resp: 47429
Ion Ratio Lower Upper
106 100
91 210.4 105.2 315.5





#70

Styrene

Concen: 6.536 ug/l

RT: 12.418 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

713-C

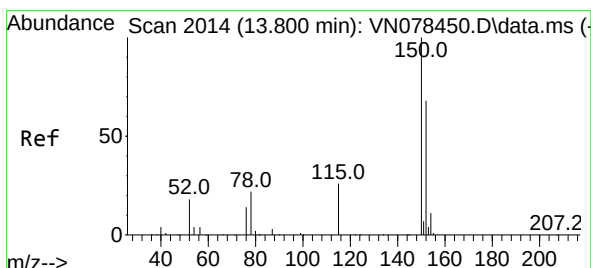
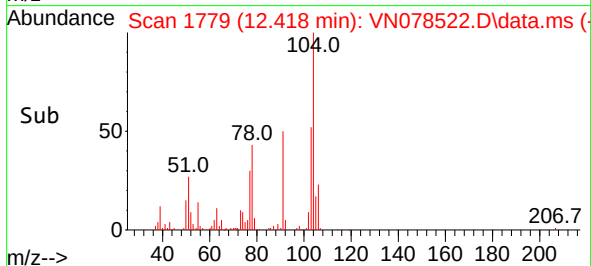
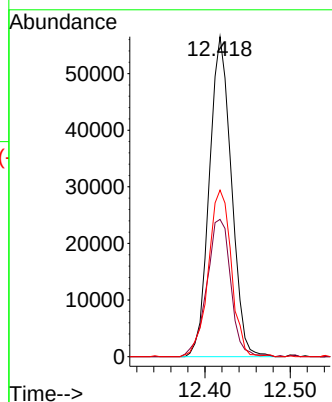
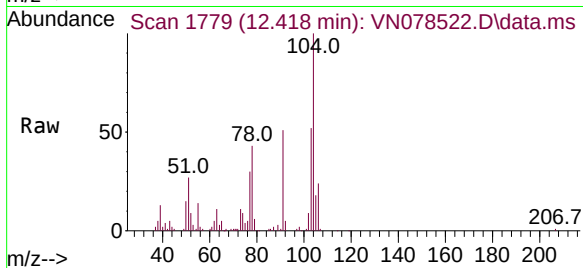
Tgt Ion:104 Resp: 101606

Ion Ratio Lower Upper

104 100

78 46.5 39.5 59.3

103 54.2 43.2 64.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

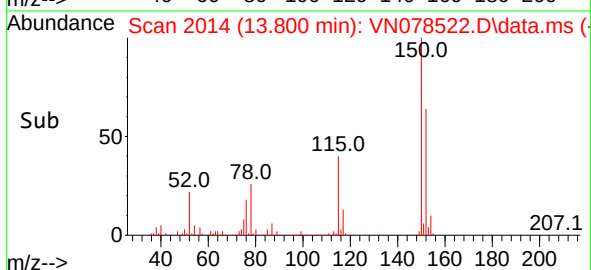
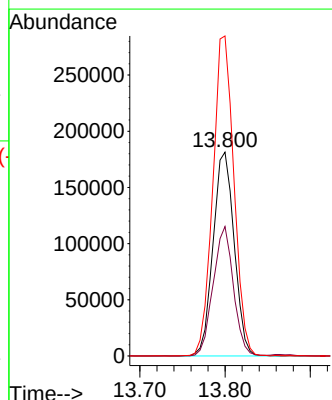
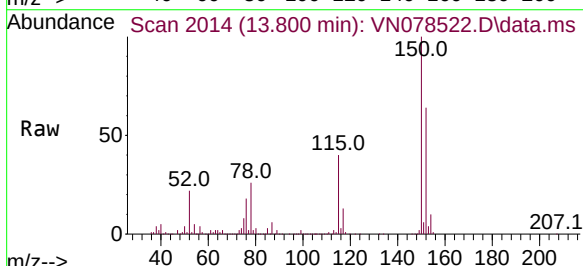
Tgt Ion:152 Resp: 311602

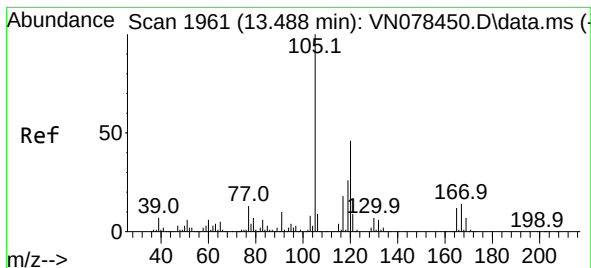
Ion Ratio Lower Upper

152 100

115 61.1 32.3 96.8

150 157.1 0.0 355.8





#84

1,2,4-Trimethylbenzene

Concen: 1.673 ug/l

RT: 13.482 min Scan# 1961

Delta R.T. -0.006 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

Instrument :

MSVOA_N

ClientSampleId :

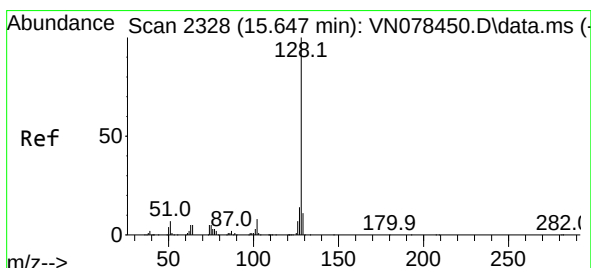
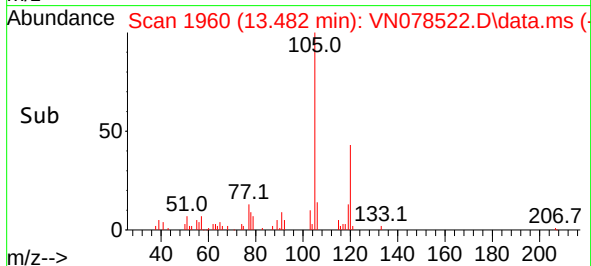
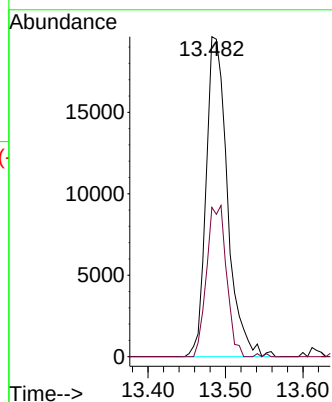
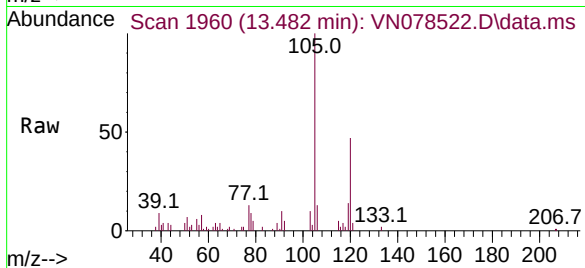
713-C

Tgt Ion:105 Resp: 37589

Ion Ratio Lower Upper

105 100

120 43.8 22.0 66.0



#95

Naphthalene

Concen: 12.992 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078522.D

Acq: 14 Jul 2023 15:11

Tgt Ion:128 Resp: 158562

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 11.2 8.7 13.1

