

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078521.D
 Acq On : 14 Jul 2023 14:46
 Operator : JC\MD
 Sample : 03620-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 713-B

Quant Time: Jul 15 04:02:15 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)

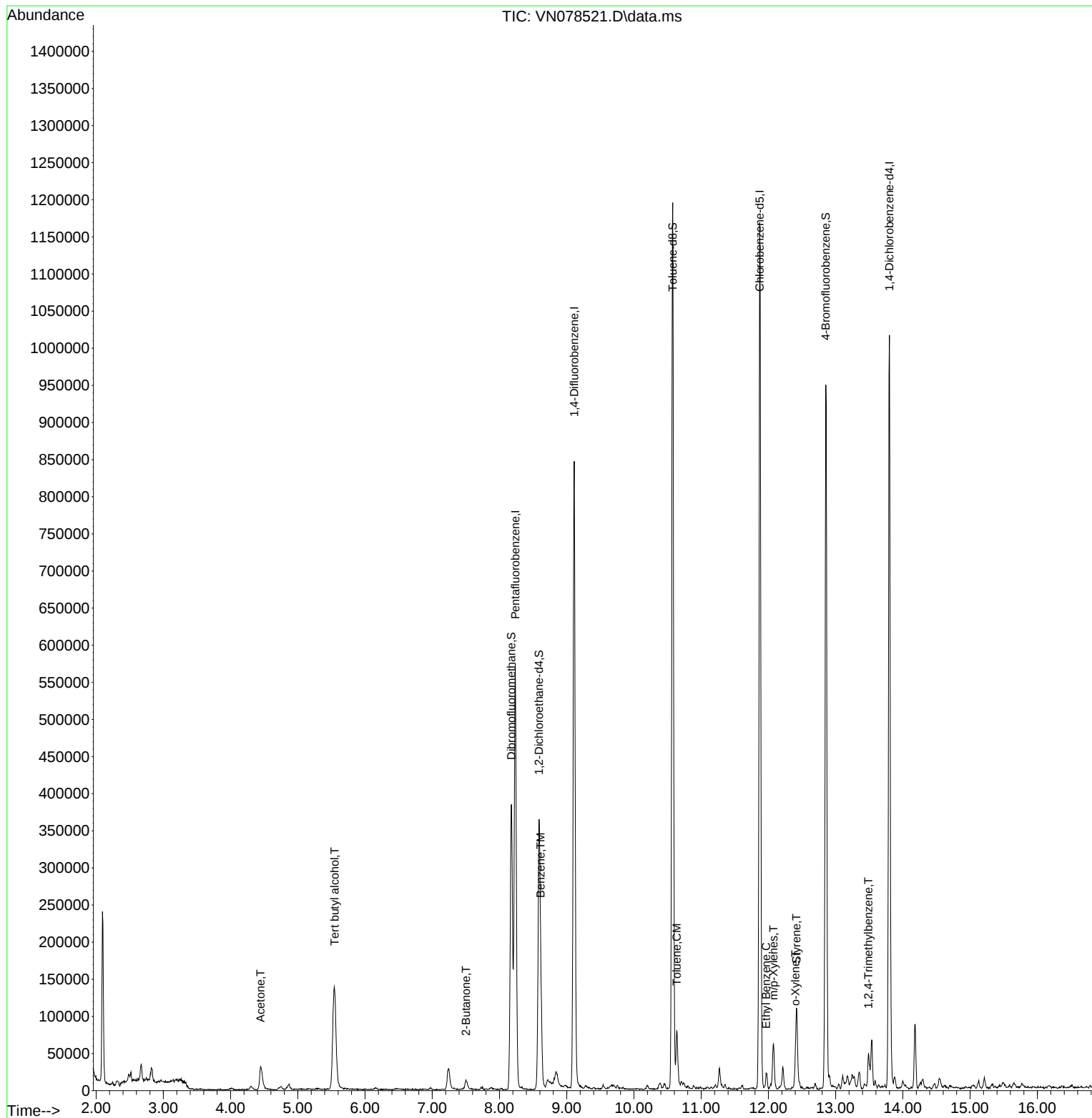
Internal Standards						
1) Pentafluorobenzene	8.236	168	409969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	746413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	703338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	281690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	274005	49.855	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.700%
35) Dibromofluoromethane	8.177	113	282862	55.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.660%
50) Toluene-d8	10.577	98	861573	45.012	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.020%
62) 4-Bromofluorobenzene	12.853	95	322321	54.669	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.548	59	243159	286.910	ug/l	97
16) Acetone	4.448	43	59147	34.548	ug/l	96
25) 2-Butanone	7.500	43	21393	7.938	ug/l	95
40) Benzene	8.612	78	105829	4.883	ug/l	95
52) Toluene	10.635	92	33124	2.466	ug/l	99
67) Ethyl Benzene	11.965	91	13170	0.496	ug/l	93
68) m/p-Xylenes	12.076	106	18490	1.882	ug/l	94
69) o-Xylene	12.400	106	7662	0.772	ug/l	97
70) Styrene	12.418	104	43485	2.801	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	28717	1.414	ug/l	97

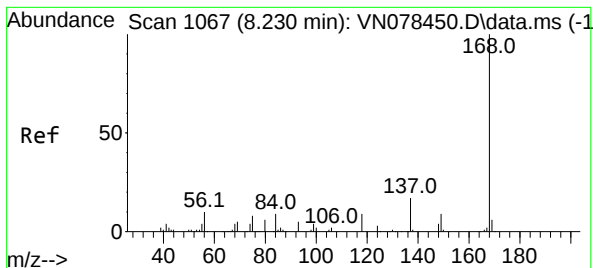
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 04:02:15 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# 1

Delta R.T. 0.006 min

Lab File: VN078521.D

Acq: 14 Jul 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

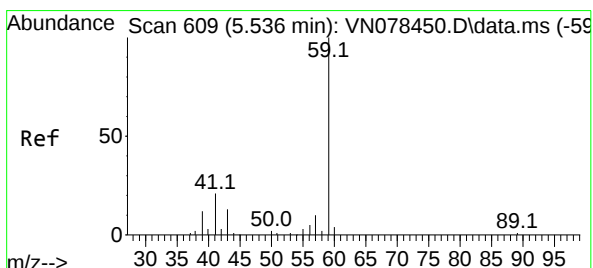
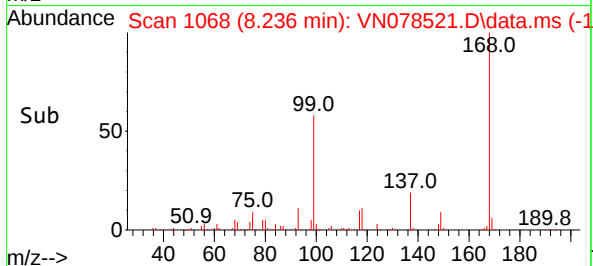
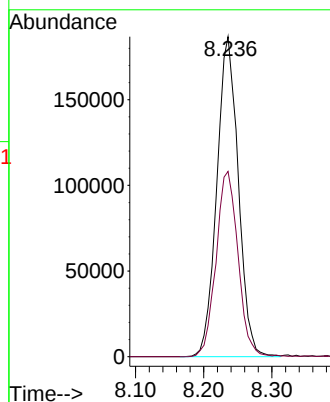
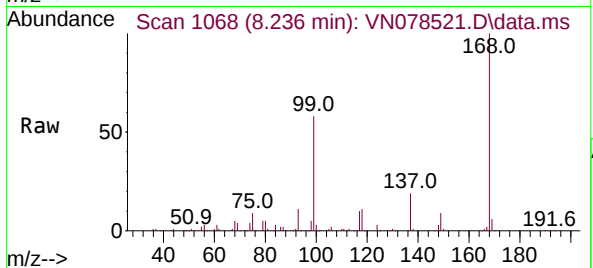
713-B

Tgt Ion:168 Resp: 409969

Ion Ratio Lower Upper

168 100

99 57.9 53.0 79.6



#11

Tert butyl alcohol

Concen: 286.910 ug/l

RT: 5.548 min Scan# 611

Delta R.T. 0.012 min

Lab File: VN078521.D

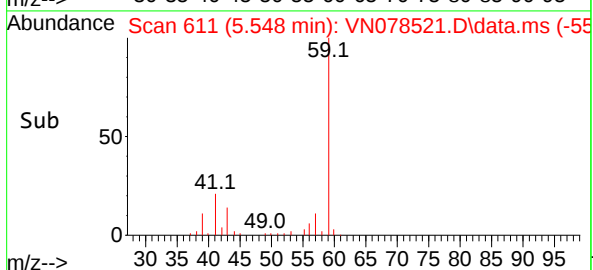
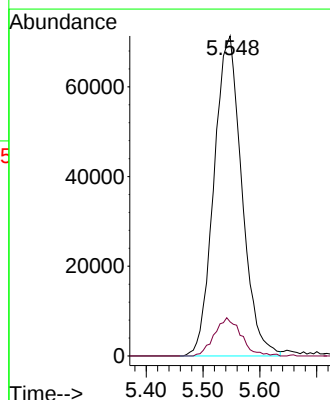
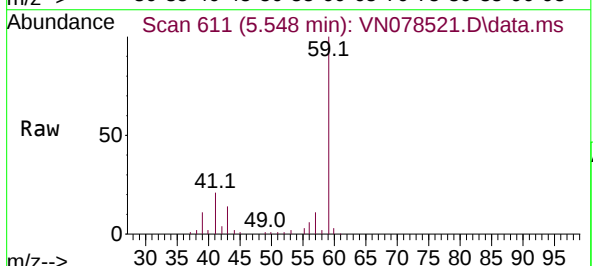
Acq: 14 Jul 2023 14:46

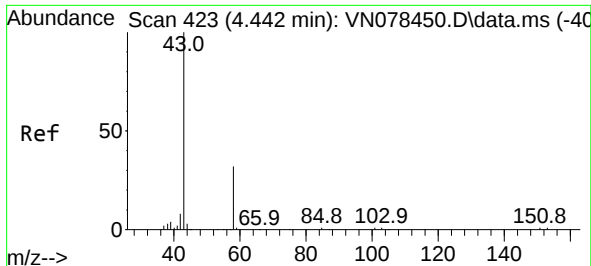
Tgt Ion: 59 Resp: 243159

Ion Ratio Lower Upper

59 100

57 11.5 8.2 12.4

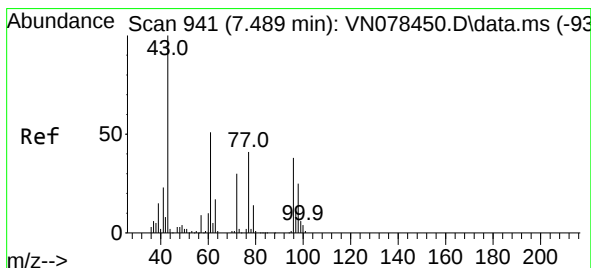
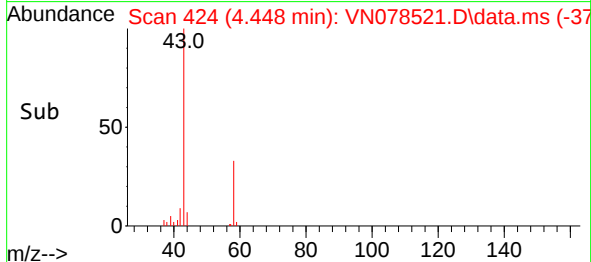
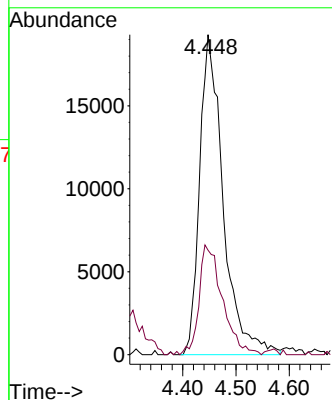
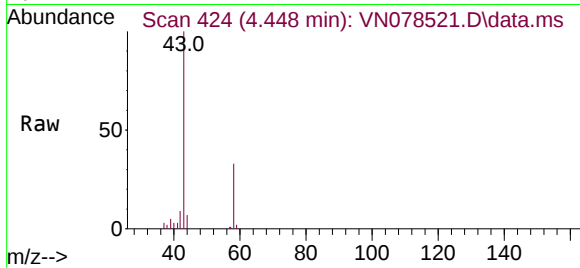




#16
Acetone
Concen: 34.548 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078521.D
Acq: 14 Jul 2023 14:46

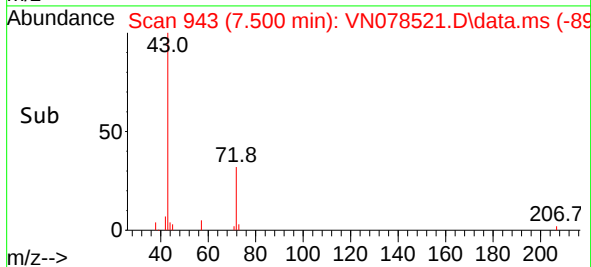
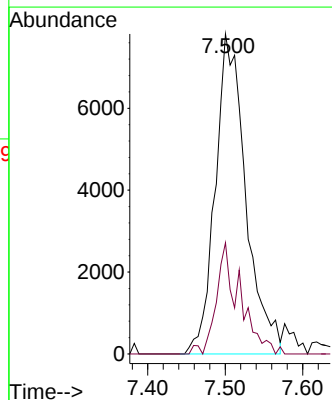
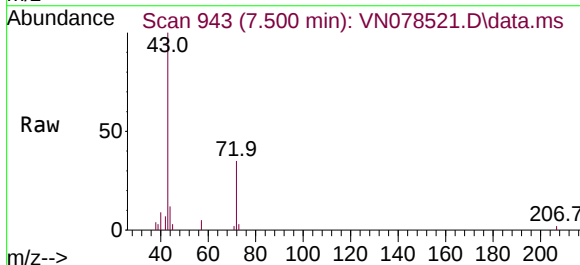
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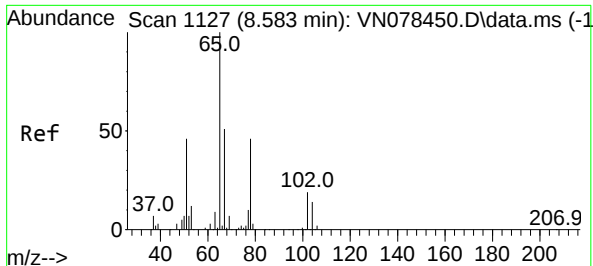
Tgt Ion: 43 Resp: 59147
Ion Ratio Lower Upper
43 100
58 32.7 28.0 42.0



#25
2-Butanone
Concen: 7.938 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.011 min
Lab File: VN078521.D
Acq: 14 Jul 2023 14:46

Tgt Ion: 43 Resp: 21393
Ion Ratio Lower Upper
43 100
72 34.8 30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 49.855 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078521.D

Acq: 14 Jul 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

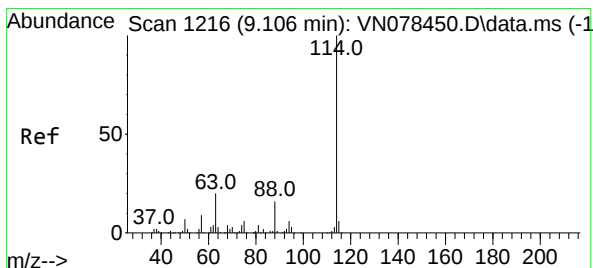
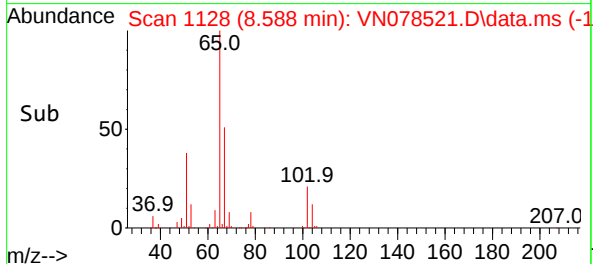
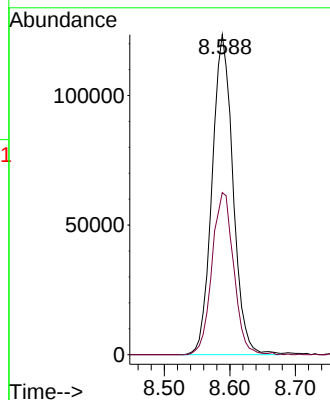
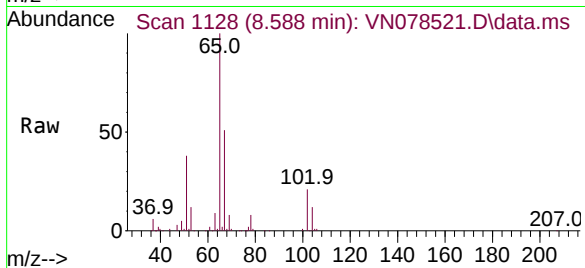
713-B

Tgt Ion: 65 Resp: 274005

Ion Ratio Lower Upper

65 100

67 52.6 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: VN078521.D

Acq: 14 Jul 2023 14:46

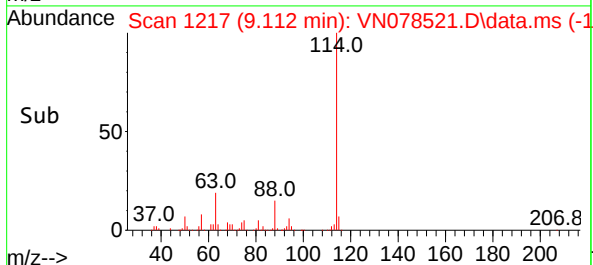
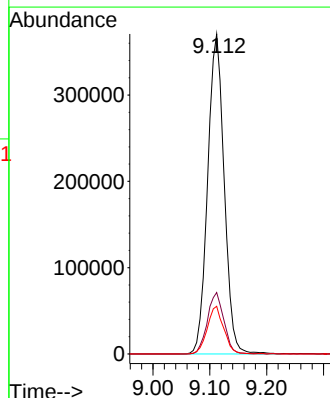
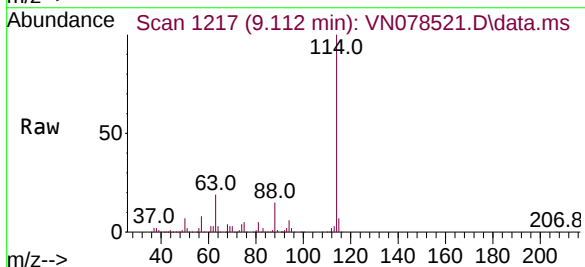
Tgt Ion: 114 Resp: 746413

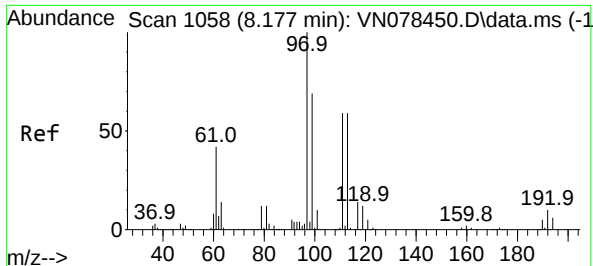
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.826 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN078521.D

Acq: 14 Jul 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

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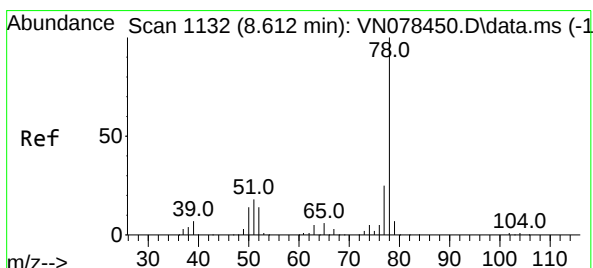
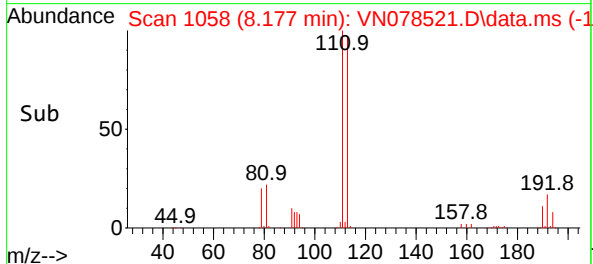
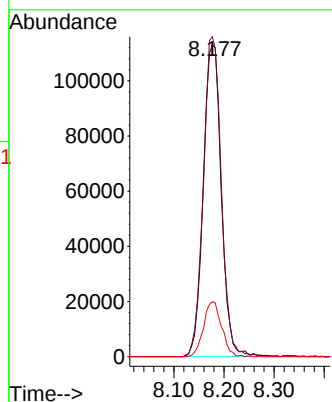
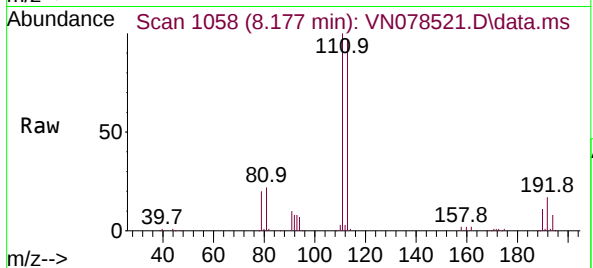
Tgt Ion:113 Resp: 282862

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 17.7 12.7 19.1



#40

Benzene

Concen: 4.883 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078521.D

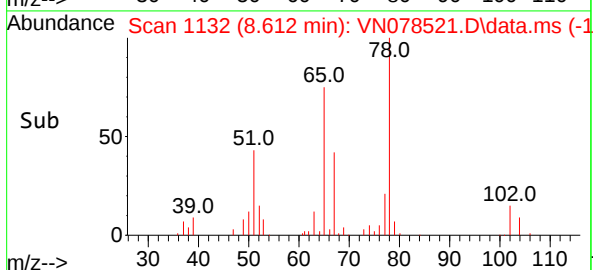
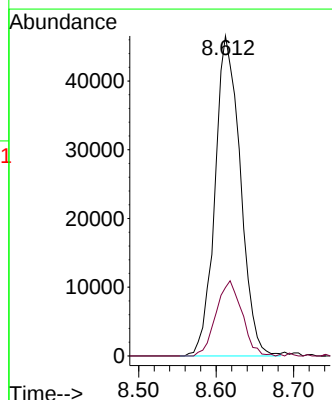
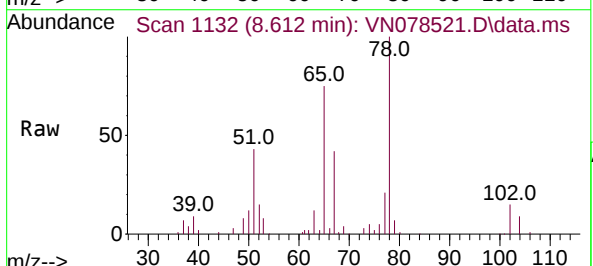
Acq: 14 Jul 2023 14:46

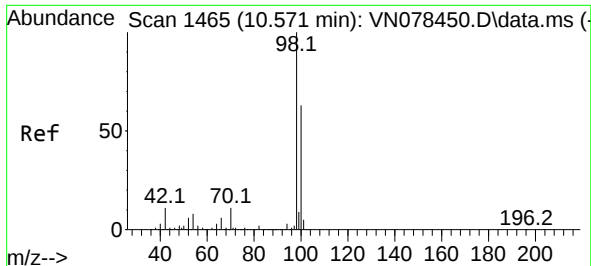
Tgt Ion: 78 Resp: 105829

Ion Ratio Lower Upper

78 100

77 21.4 19.0 28.6

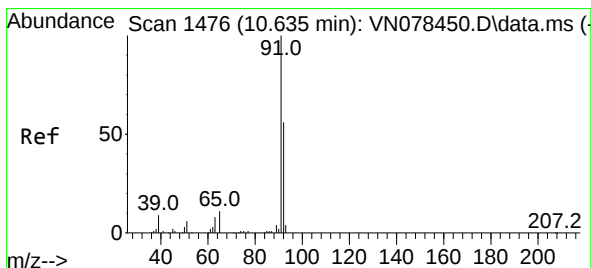
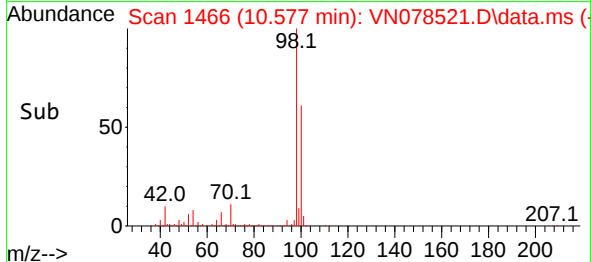
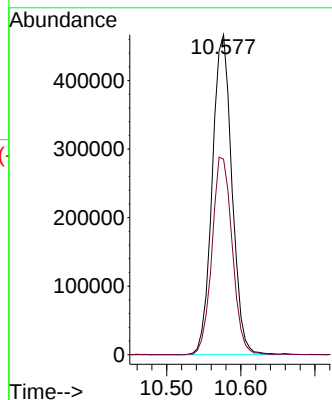
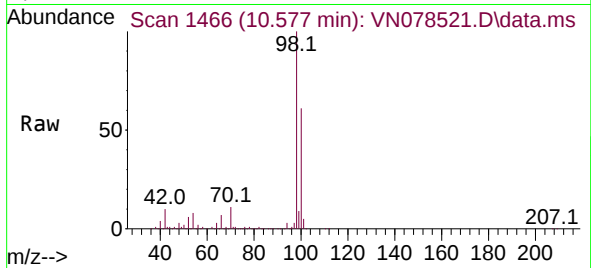




#50
Toluene-d8
Concen: 45.012 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078521.D
Acq: 14 Jul 2023 14:46

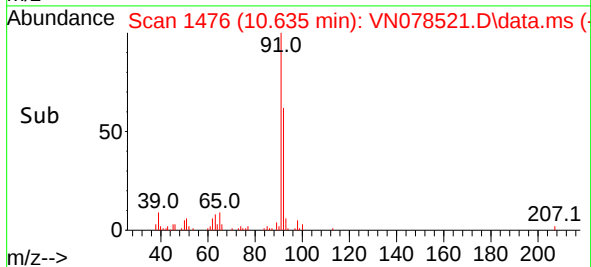
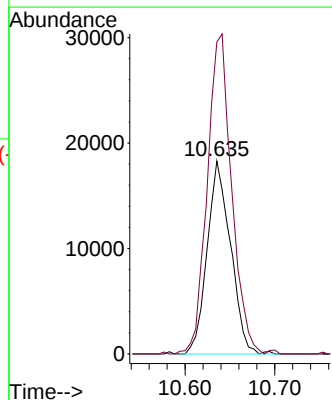
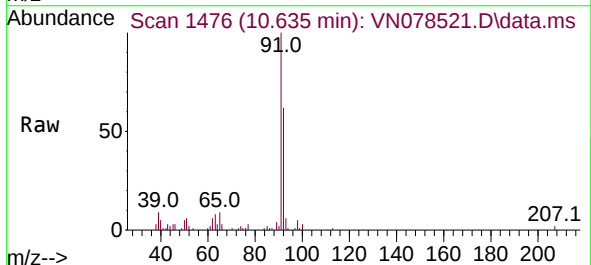
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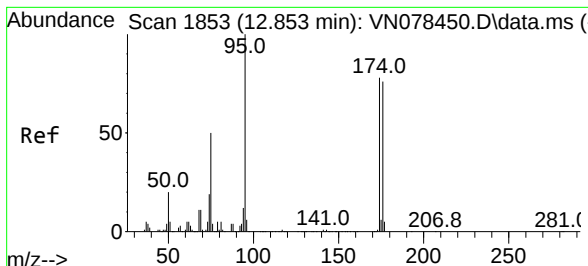
Tgt Ion: 98 Resp: 861573
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#52
Toluene
Concen: 2.466 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078521.D
Acq: 14 Jul 2023 14:46

Tgt Ion: 92 Resp: 33124
Ion Ratio Lower Upper
92 100
91 172.9 137.4 206.0

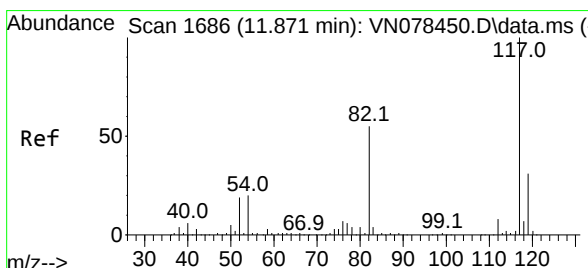
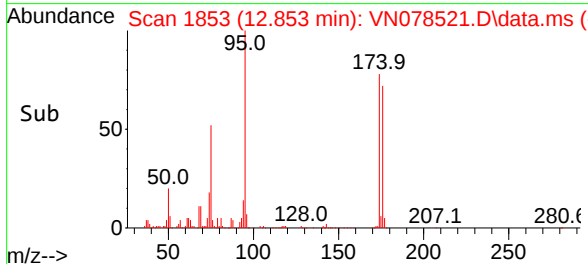
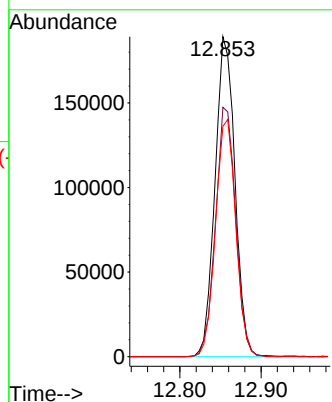
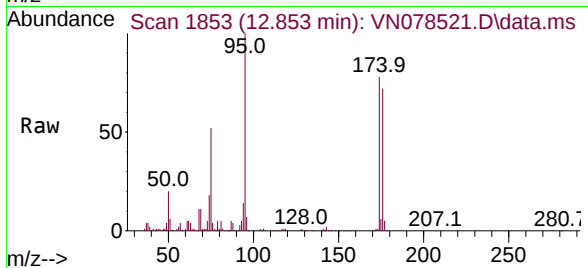




#62
4-Bromofluorobenzene
Concen: 54.669 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078521.D
Acq: 14 Jul 2023 14:46

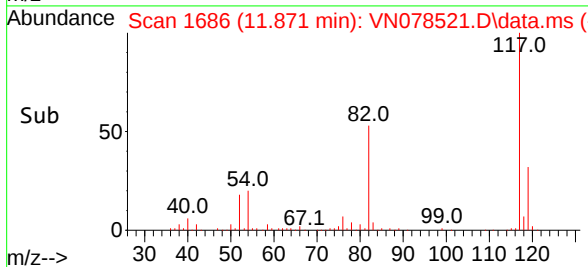
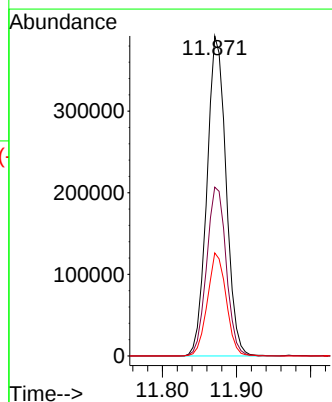
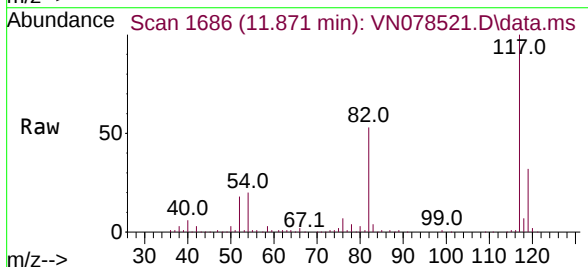
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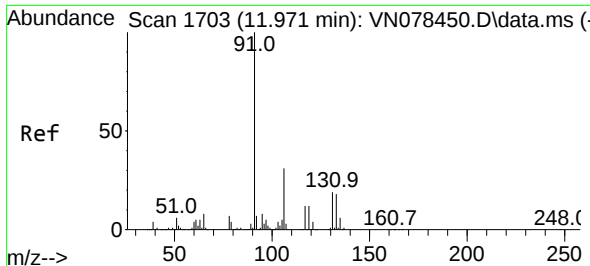
Tgt Ion: 95 Resp: 322321
Ion Ratio Lower Upper
95 100
174 79.4 0.0 143.8
176 75.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078521.D
Acq: 14 Jul 2023 14:46

Tgt Ion: 117 Resp: 703338
Ion Ratio Lower Upper
117 100
82 52.7 44.0 66.0
119 32.2 25.6 38.4





#67

Ethyl Benzene

Concen: 0.496 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VN078521.D

Acq: 14 Jul 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

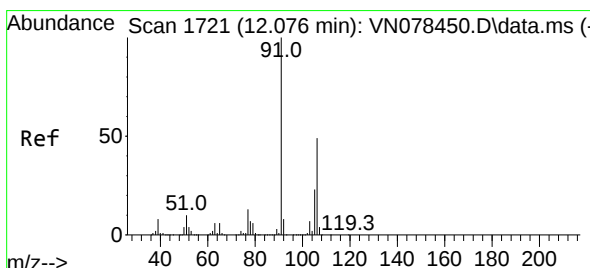
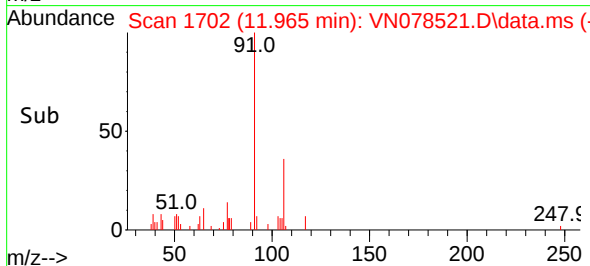
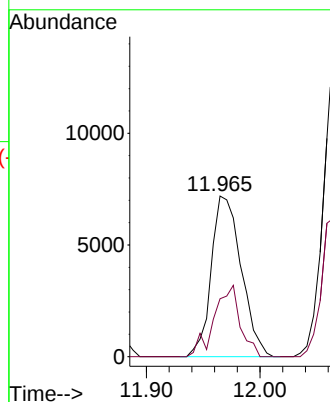
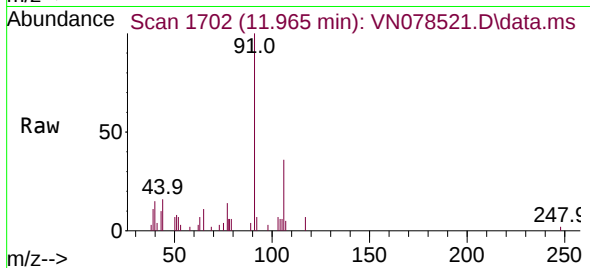
713-B

Tgt Ion: 91 Resp: 13170

Ion Ratio Lower Upper

91 100

106 36.0 25.6 38.4



#68

m/p-Xylenes

Concen: 1.882 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VN078521.D

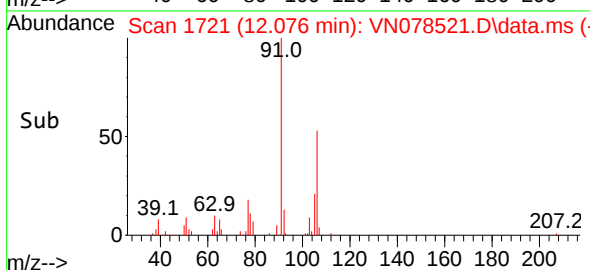
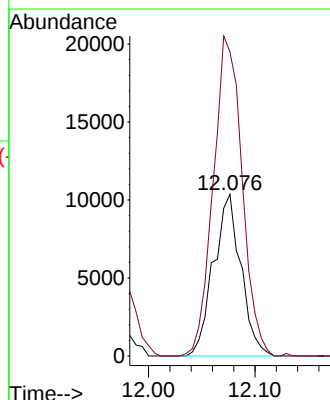
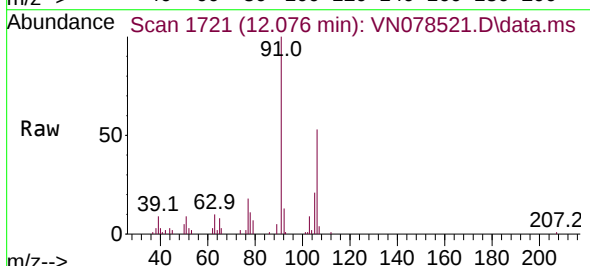
Acq: 14 Jul 2023 14:46

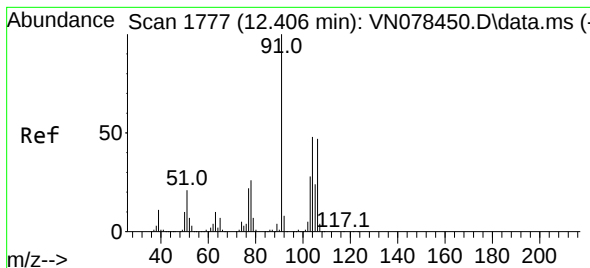
Tgt Ion:106 Resp: 18490

Ion Ratio Lower Upper

106 100

91 208.5 159.6 239.4





#69

o-Xylene

Concen: 0.772 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.006 min

Lab File: VN078521.D

Acq: 14 Jul 2023 14:46

Instrument :

MSVOA_N

ClientSampleId :

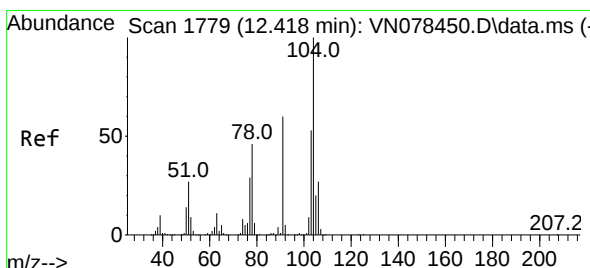
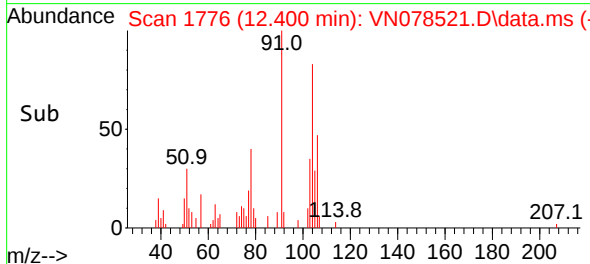
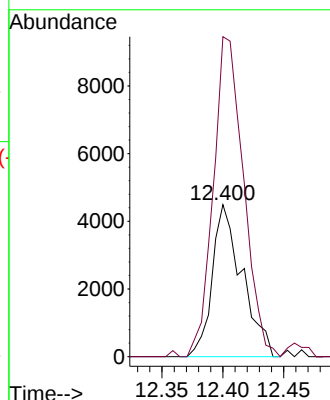
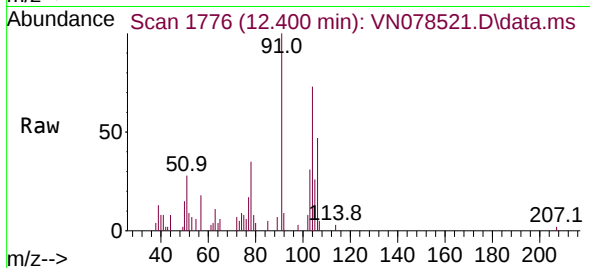
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Tgt Ion:106 Resp: 7662

Ion Ratio Lower Upper

106 100

91 214.4 105.2 315.5



#70

Styrene

Concen: 2.801 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN078521.D

Acq: 14 Jul 2023 14:46

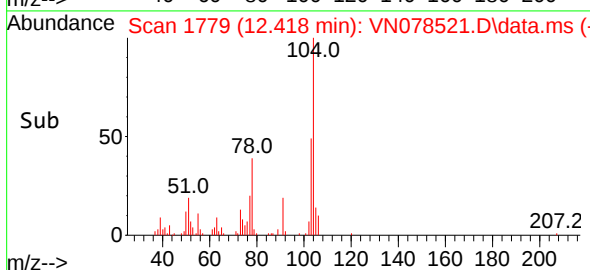
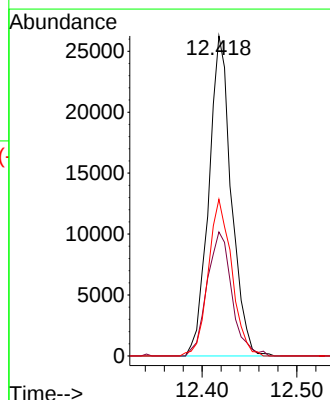
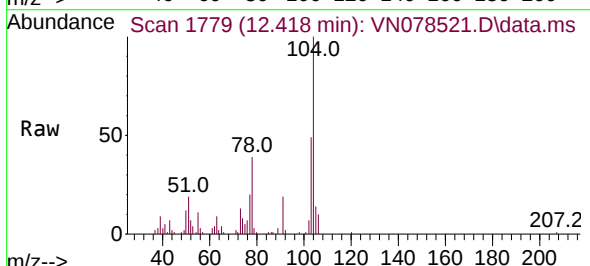
Tgt Ion:104 Resp: 43485

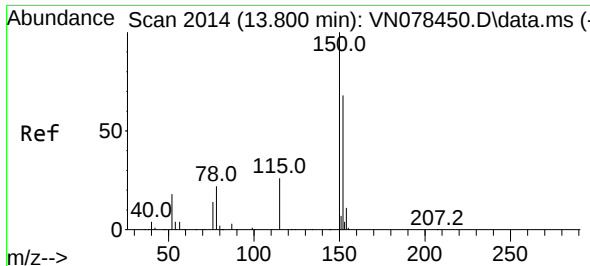
Ion Ratio Lower Upper

104 100

78 42.5 39.5 59.3

103 50.9 43.2 64.8

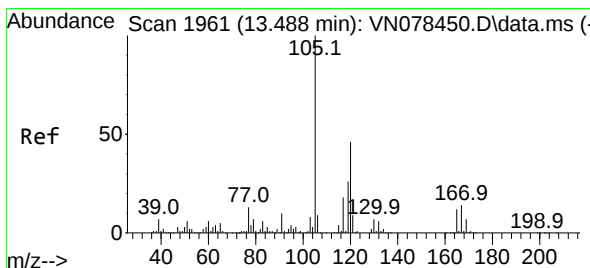
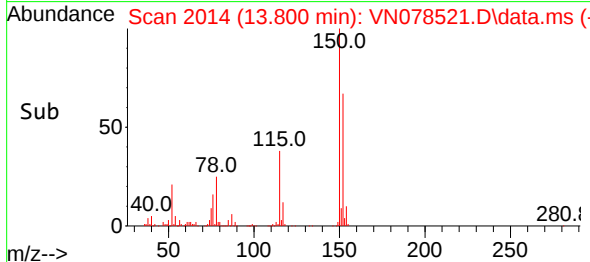
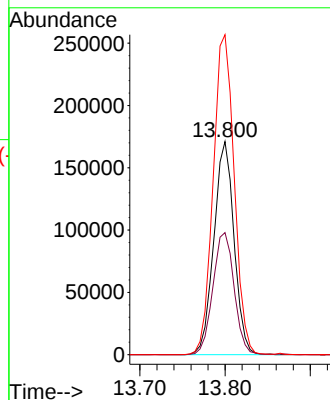
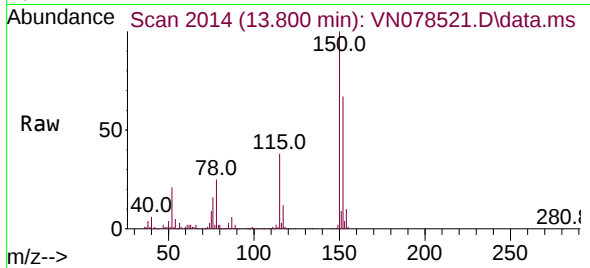




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078521.D
 Acq: 14 Jul 2023 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 713-B

Tgt Ion:152 Resp: 281690
 Ion Ratio Lower Upper
 152 100
 115 60.1 32.3 96.8
 150 156.3 0.0 355.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.414 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN078521.D
 Acq: 14 Jul 2023 14:46

Tgt Ion:105 Resp: 28717
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.0 66.0

