

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078523.D
 Acq On : 14 Jul 2023 15:35
 Operator : JC\MD
 Sample : 03620-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

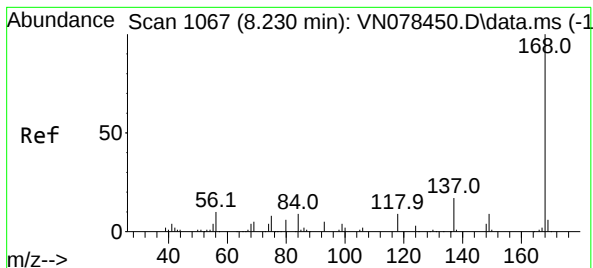
Instrument :
 MSVOA_N
 ClientSampleId :
 713-D

Quant Time: Jul 15 04:03:16 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	391882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	727920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	674115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	261223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	265526	50.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.080%			
35) Dibromofluoromethane	8.183	113	269654	54.571	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.140%			
50) Toluene-d8	10.577	98	820810	43.971	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.940%			
62) 4-Bromofluorobenzene	12.853	95	302026	52.528	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.542	59	259011	319.719	ug/l	98
16) Acetone	4.453	43	47825	29.224	ug/l #	85
25) 2-Butanone	7.500	43	13081	5.078	ug/l #	79
40) Benzene	8.618	78	44877	2.123	ug/l #	87
51) 4-Methyl-2-Pentanone	10.459	43	6426	1.103	ug/l #	83
52) Toluene	10.635	92	16189	1.236	ug/l	92
67) Ethyl Benzene	11.971	91	14412	0.566	ug/l #	88
68) m/p-Xylenes	12.076	106	37300	3.961	ug/l	94
69) o-Xylene	12.406	106	18957	1.993	ug/l	94
70) Styrene	12.418	104	19603	1.317	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	15815	0.840	ug/l	91
95) Naphthalene	15.647	128	12507	1.222	ug/l #	94

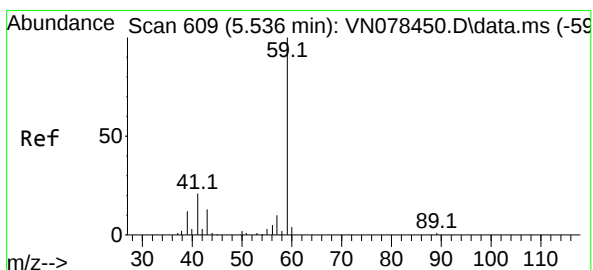
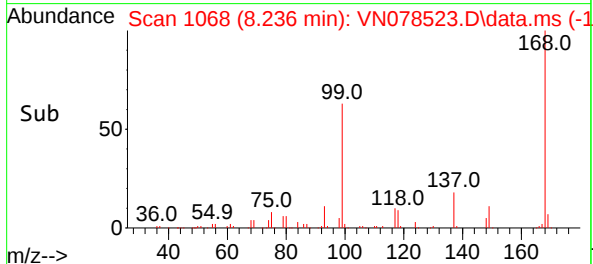
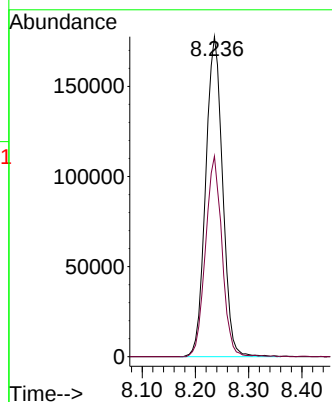
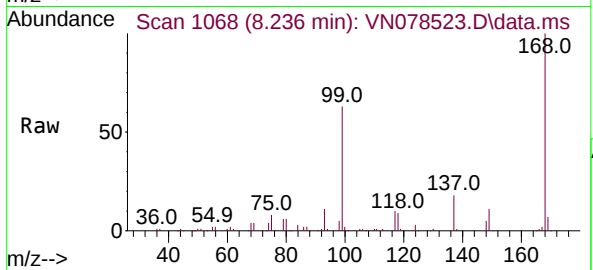
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

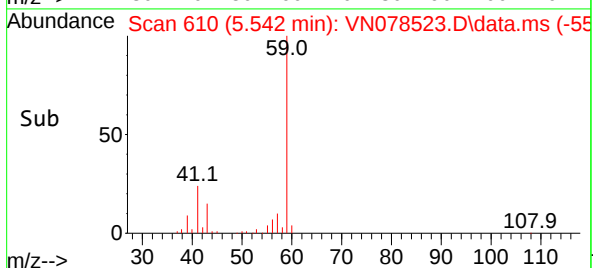
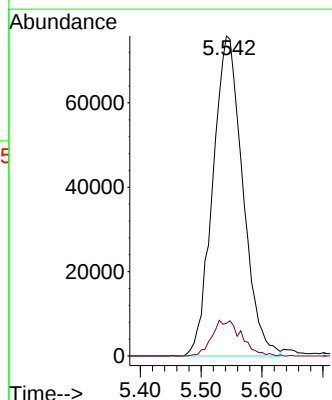
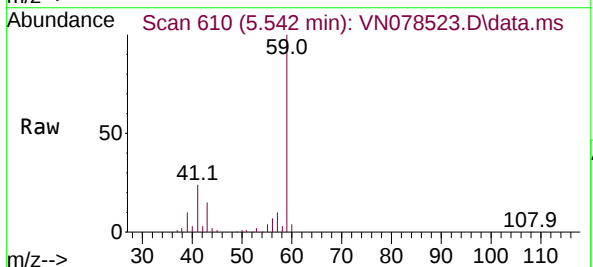
Instrument :
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713-D

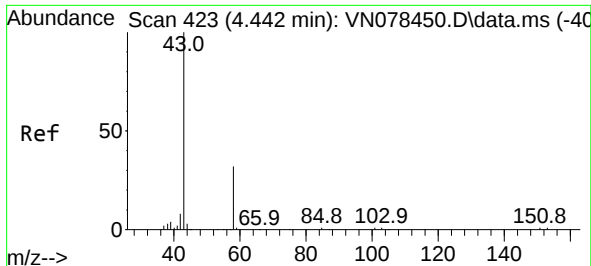
Tgt Ion:168 Resp: 391882
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#11
Tert butyl alcohol
Concen: 319.719 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

Tgt Ion: 59 Resp: 259011
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.4





#16

Acetone

Concen: 29.224 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN078523.D

Acq: 14 Jul 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

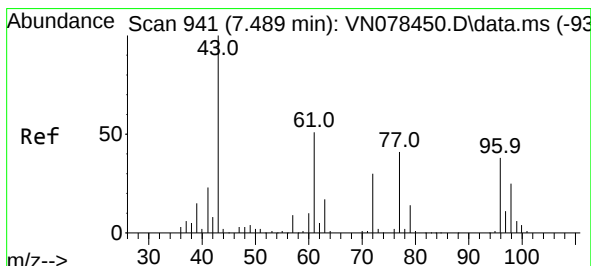
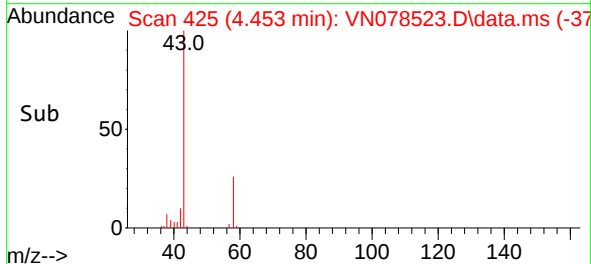
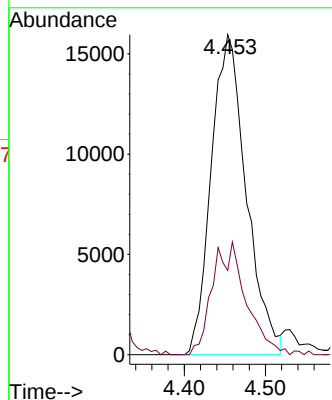
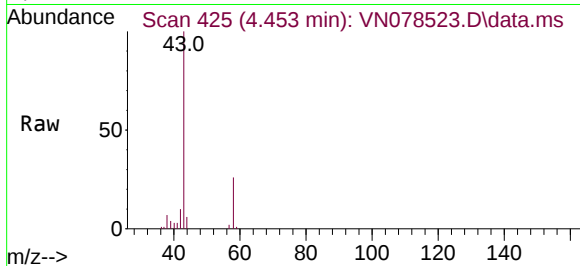
713-D

Tgt Ion: 43 Resp: 47825

Ion Ratio Lower Upper

43 100

58 26.4 28.0 42.0#



#25

2-Butanone

Concen: 5.078 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.011 min

Lab File: VN078523.D

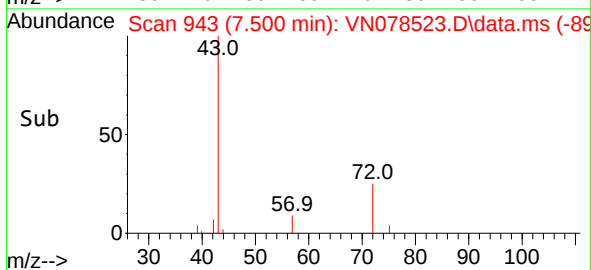
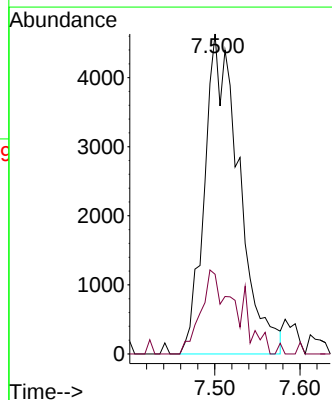
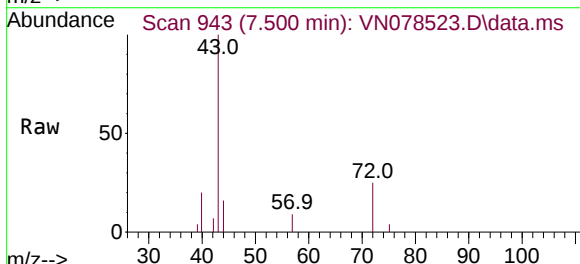
Acq: 14 Jul 2023 15:35

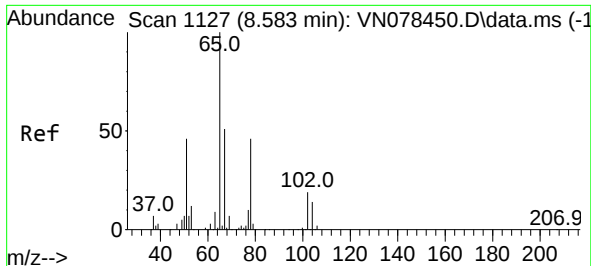
Tgt Ion: 43 Resp: 13081

Ion Ratio Lower Upper

43 100

72 24.9 30.2 45.2#





#33

1,2-Dichloroethane-d4

Concen: 50.542 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078523.D

Acq: 14 Jul 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

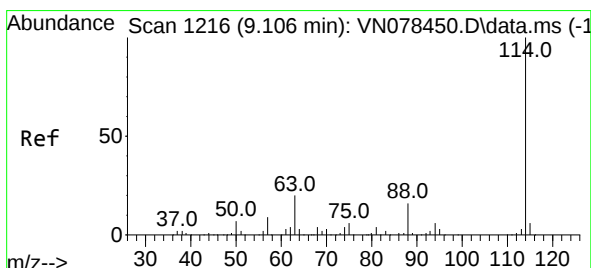
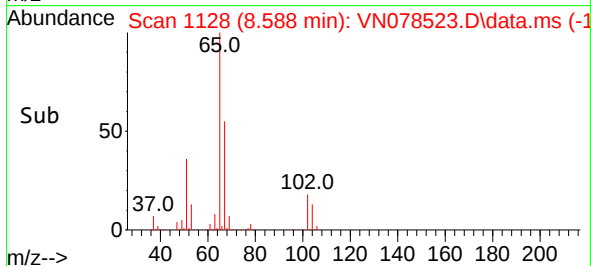
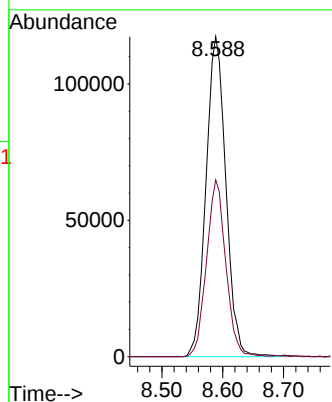
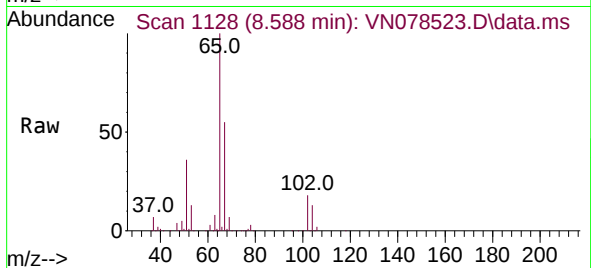
713-D

Tgt Ion: 65 Resp: 265526

Ion Ratio Lower Upper

65 100

67 53.6 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: VN078523.D

Acq: 14 Jul 2023 15:35

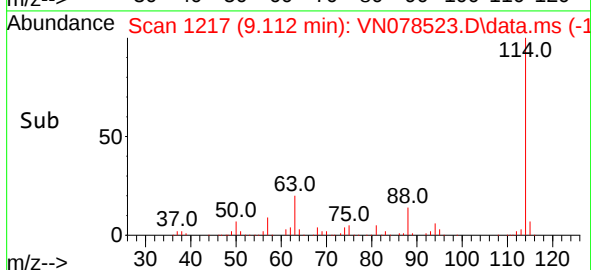
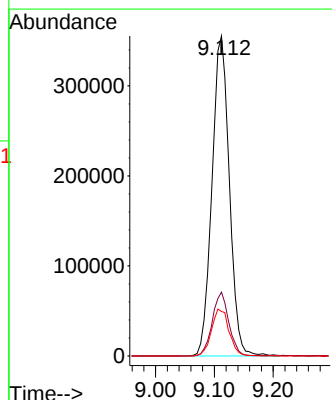
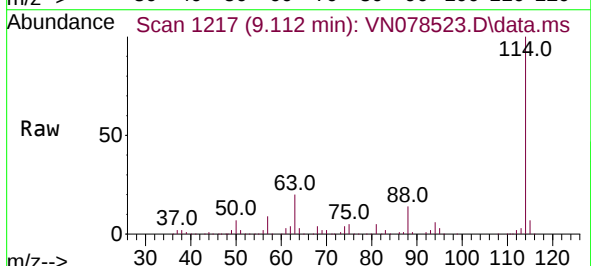
Tgt Ion: 114 Resp: 727920

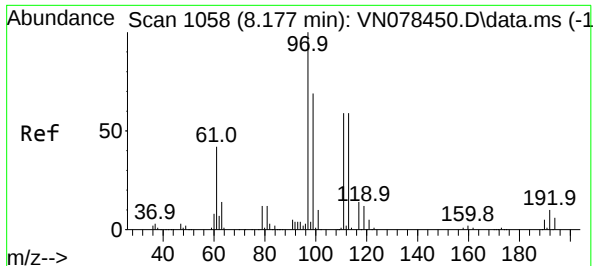
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 13.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.571 ug/l

RT: 8.183 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VN078523.D

Acq: 14 Jul 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

713-D

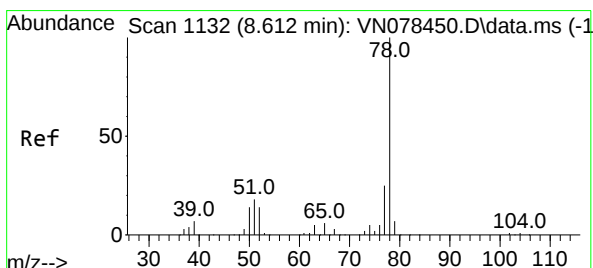
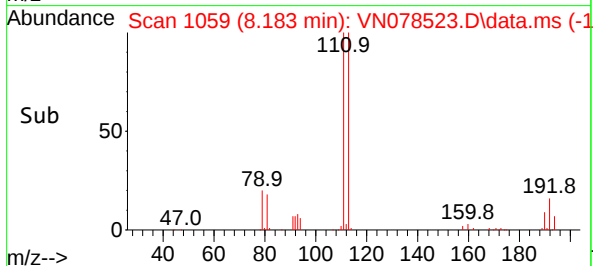
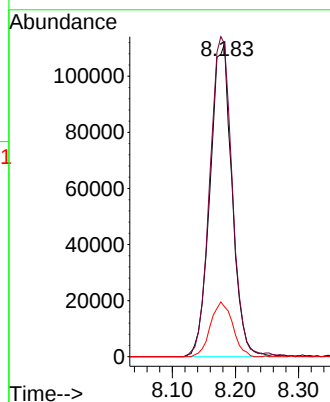
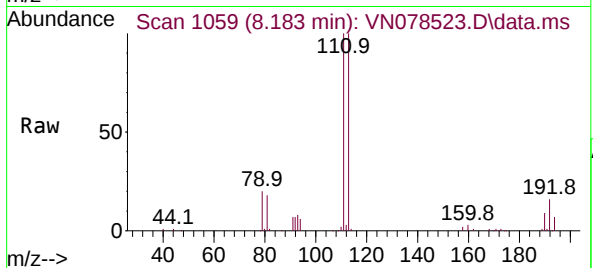
Tgt Ion:113 Resp: 269654

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.7 12.7 19.1



#40

Benzene

Concen: 2.123 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN078523.D

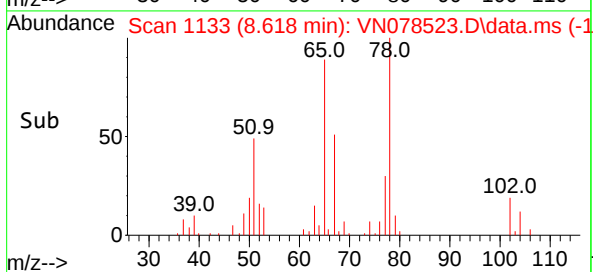
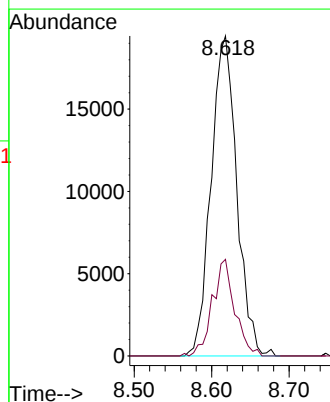
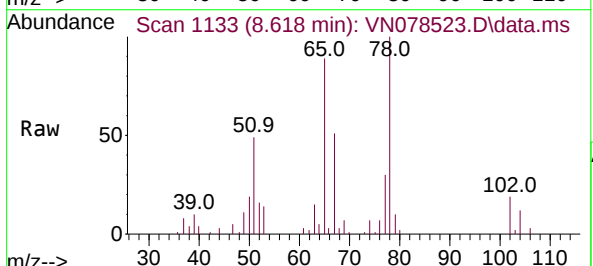
Acq: 14 Jul 2023 15:35

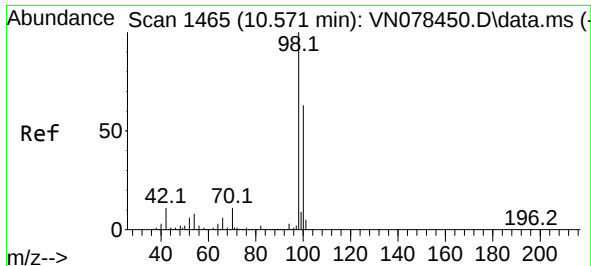
Tgt Ion: 78 Resp: 44877

Ion Ratio Lower Upper

78 100

77 30.2 19.0 28.6#

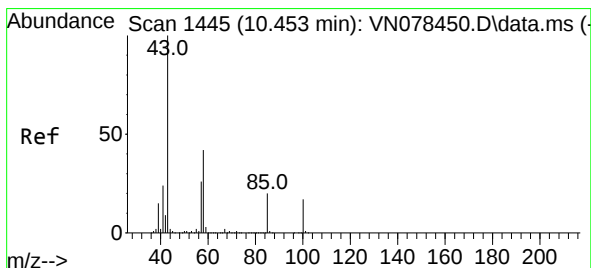
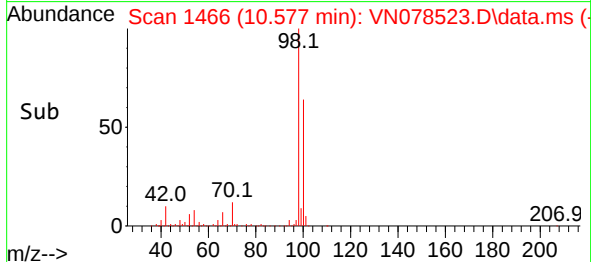
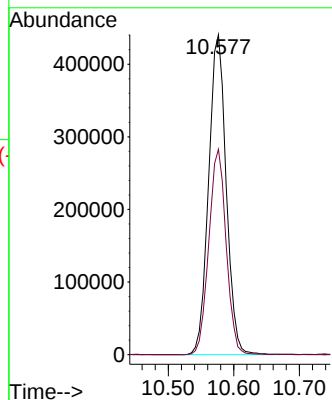
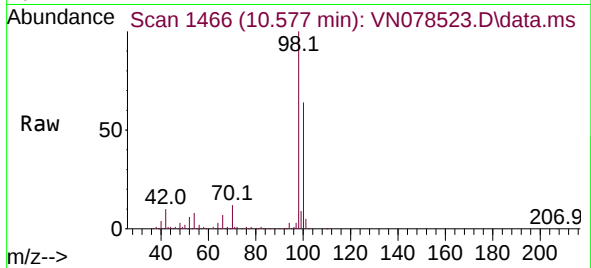




#50
Toluene-d8
Concen: 43.971 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

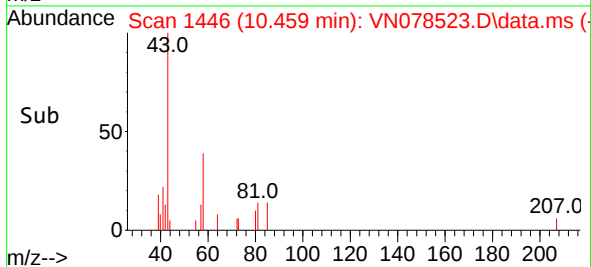
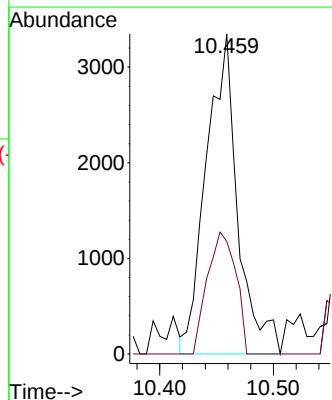
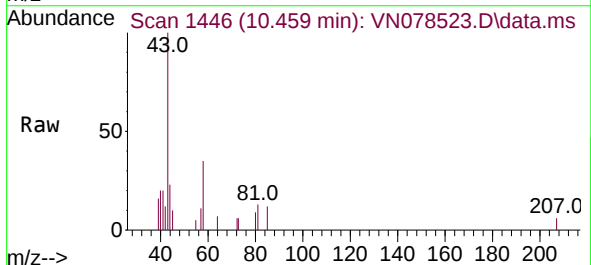
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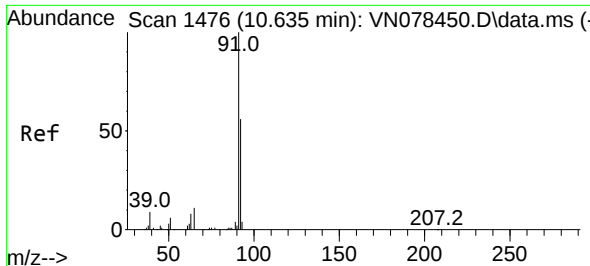
Tgt Ion: 98 Resp: 820810
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.103 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

Tgt Ion: 43 Resp: 6426
Ion Ratio Lower Upper
43 100
58 34.5 36.6 54.8#

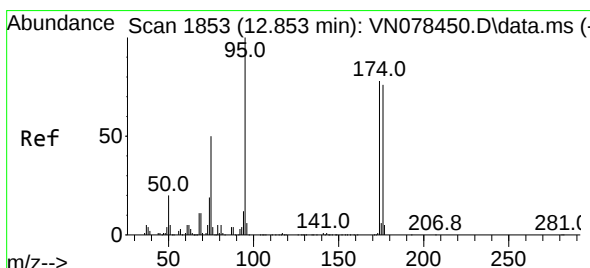
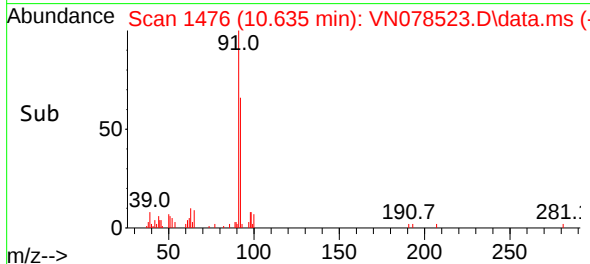
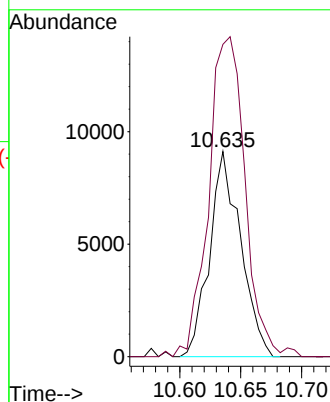
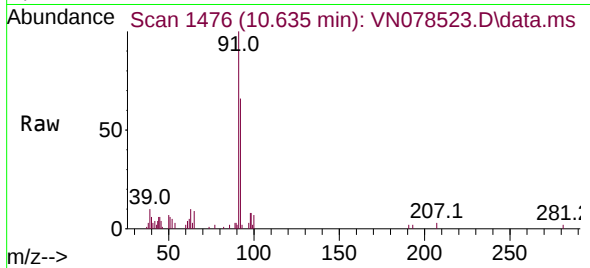




#52
Toluene
Concen: 1.236 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

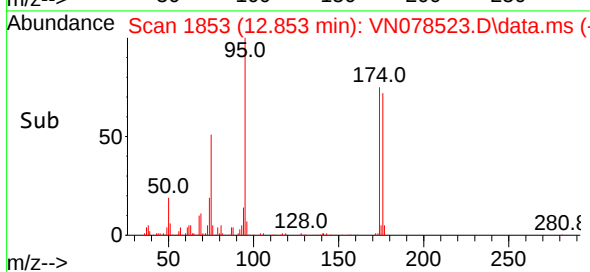
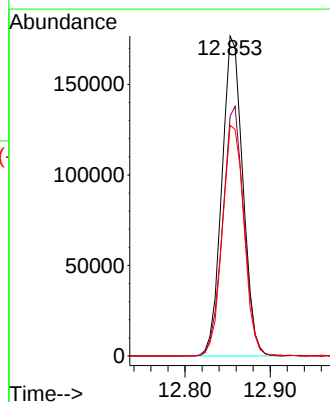
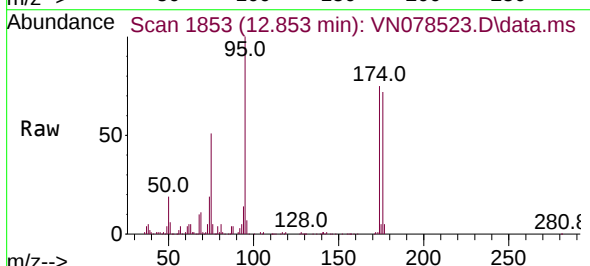
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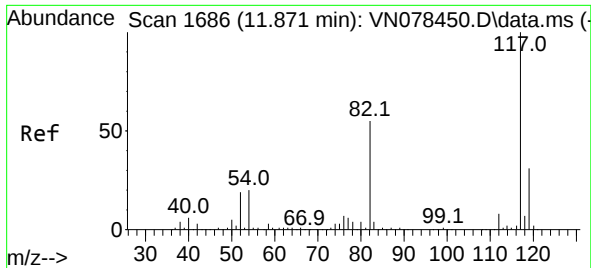
Tgt Ion: 92 Resp: 16189
Ion Ratio Lower Upper
92 100
91 183.2 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 52.528 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

Tgt Ion: 95 Resp: 302026
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 74.4 0.0 135.8

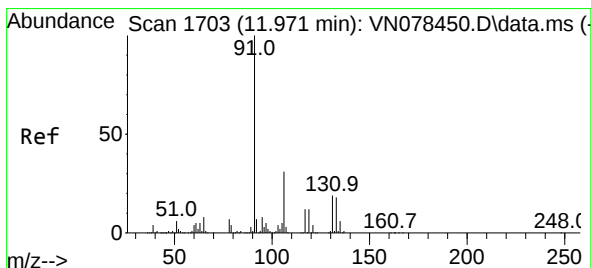
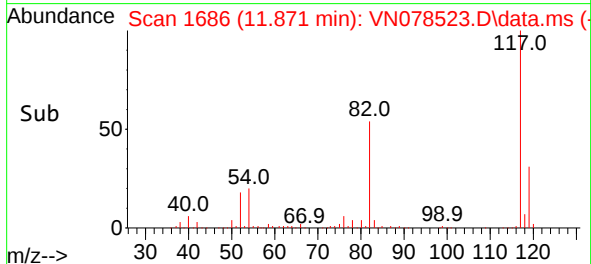
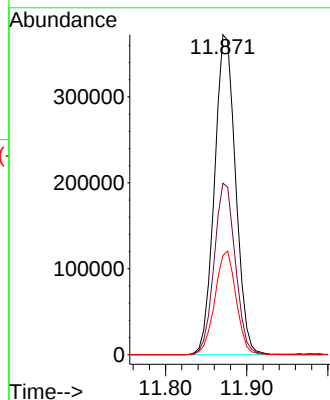
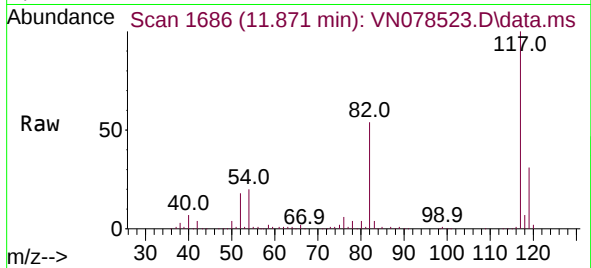




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

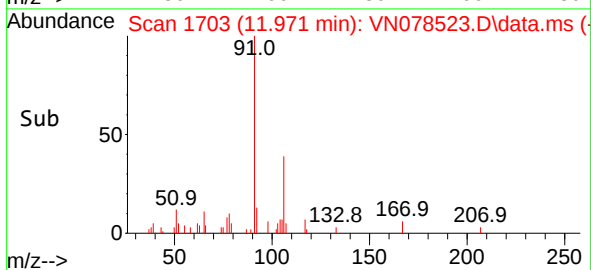
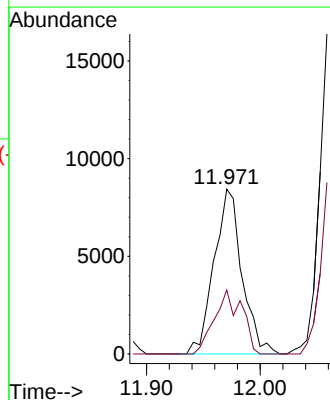
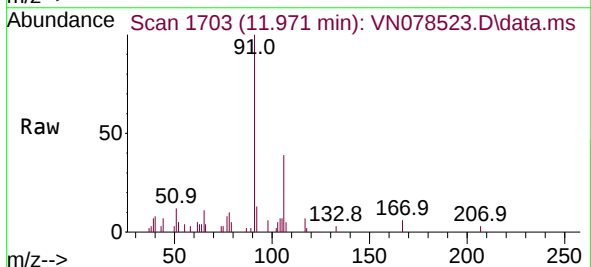
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713-D

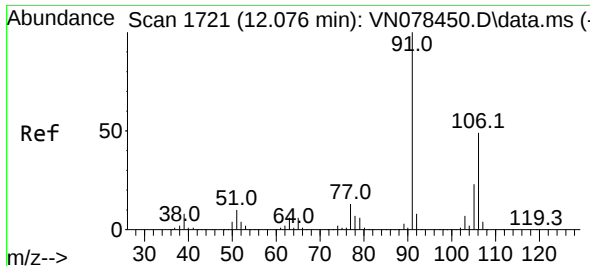
Tgt Ion:117 Resp: 674115
Ion Ratio Lower Upper
117 100
82 53.6 44.0 66.0
119 31.0 25.6 38.4



#67
Ethyl Benzene
Concen: 0.566 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

Tgt Ion: 91 Resp: 14412
Ion Ratio Lower Upper
91 100
106 38.9 25.6 38.4#

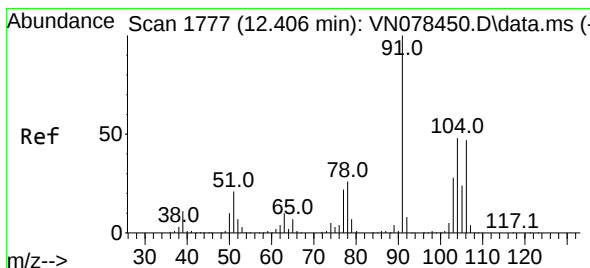
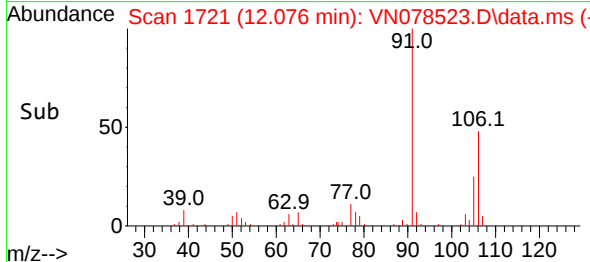
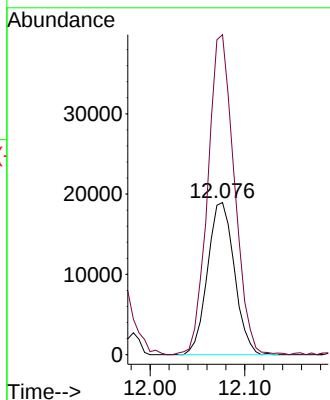
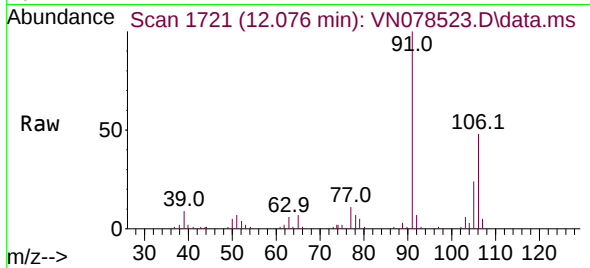




#68
m/p-Xylenes
Concen: 3.961 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

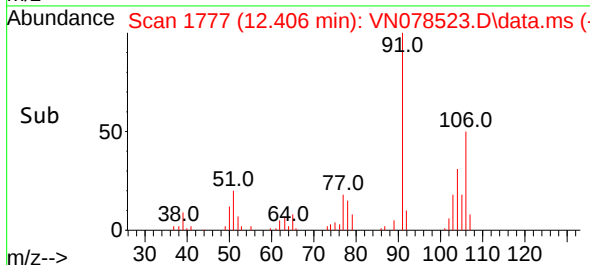
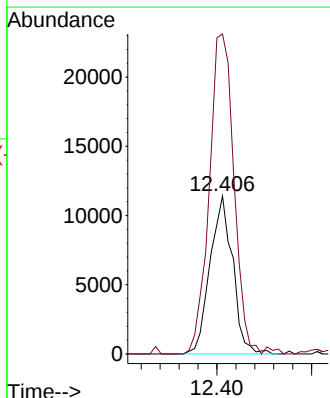
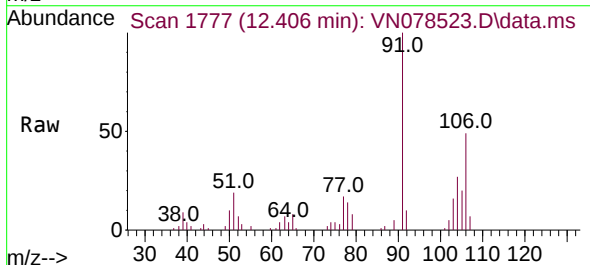
Instrument :
MSVOA_N
ClientSampleId :
713-D

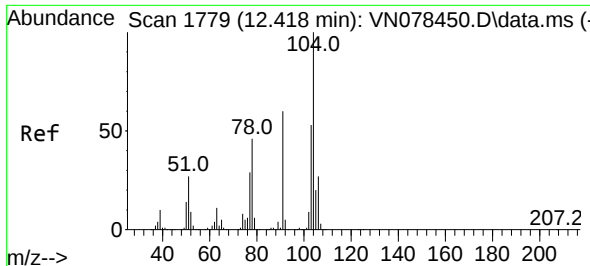
Tgt Ion:106 Resp: 37300
Ion Ratio Lower Upper
106 100
91 208.1 159.6 239.4



#69
o-Xylene
Concen: 1.993 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

Tgt Ion:106 Resp: 18957
Ion Ratio Lower Upper
106 100
91 220.0 105.2 315.5

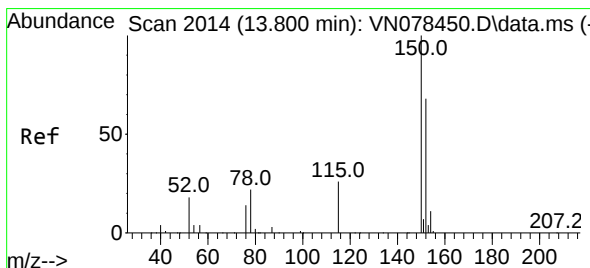
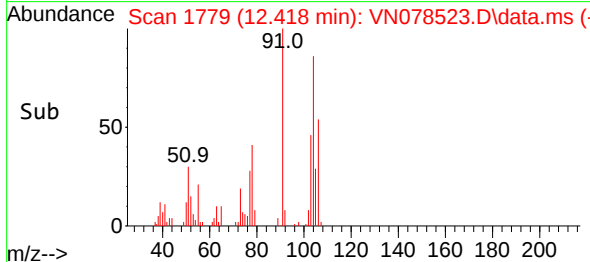
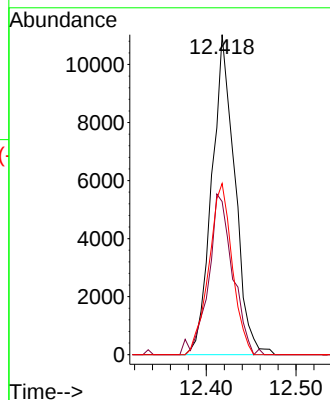
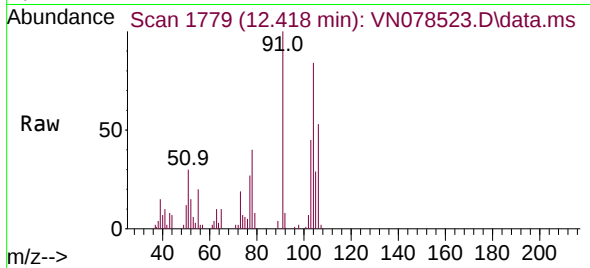




#70
Styrene
Concen: 1.317 ug/l
RT: 12.418 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

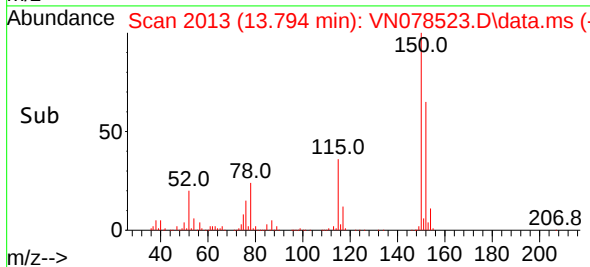
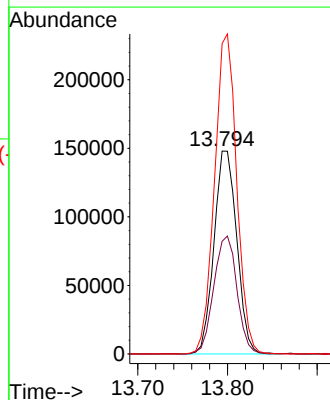
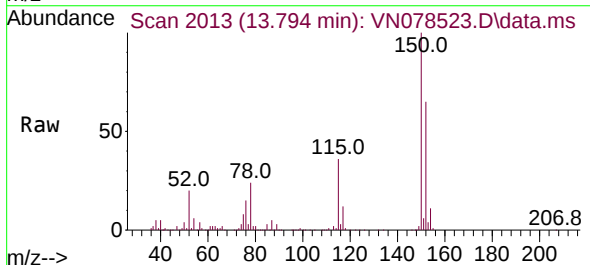
Instrument :
MSVOA_N
ClientSampleId :
713-D

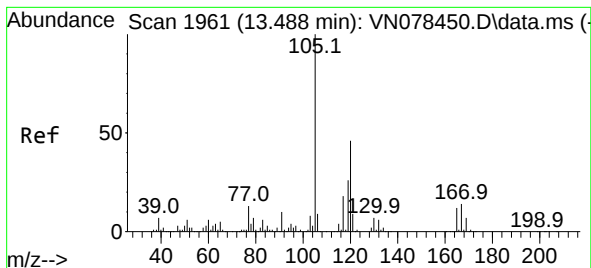
Tgt Ion:104	Resp:	19603
Ion Ratio	Lower	Upper
104	100	
78	52.9	39.5 59.3
103	54.3	43.2 64.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN078523.D
Acq: 14 Jul 2023 15:35

Tgt Ion:152	Resp:	261223
Ion Ratio	Lower	Upper
152	100	
115	59.1	32.3 96.8
150	153.4	0.0 355.8





#84

1,2,4-Trimethylbenzene

Concen: 0.840 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078523.D

Acq: 14 Jul 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

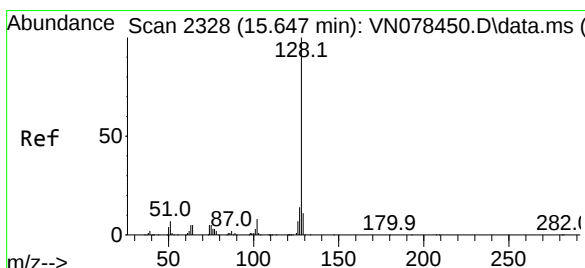
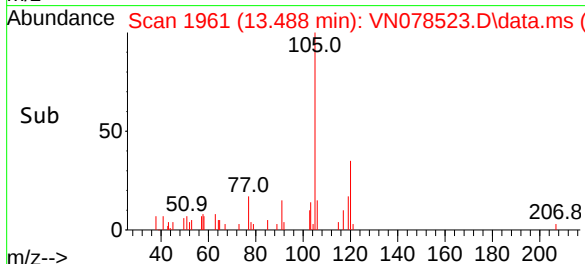
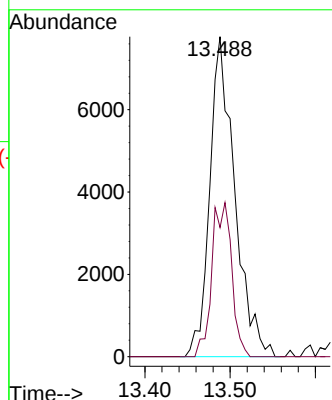
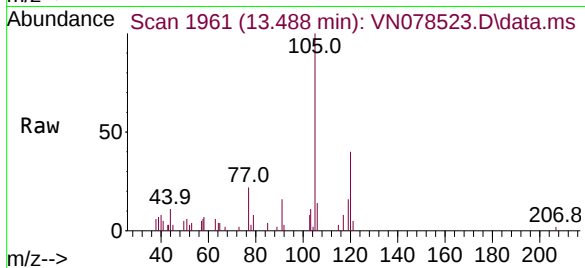
713-D

Tgt Ion:105 Resp: 15815

Ion Ratio Lower Upper

105 100

120 38.2 22.0 66.0



#95

Naphthalene

Concen: 1.222 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078523.D

Acq: 14 Jul 2023 15:35

Tgt Ion:128 Resp: 12507

Ion Ratio Lower Upper

128 100

127 15.5 10.0 15.0#

129 12.8 8.7 13.1

