

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
 Data File : VY007520.D  
 Acq On : 17 Feb 2022 14:17  
 Operator : SY/MD  
 Sample : N1465-03  
 Misc : 6.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A5-3-8.5

Quant Time: Feb 18 07:38:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 15 09:34:50 2022  
 Response via : Initial Calibration

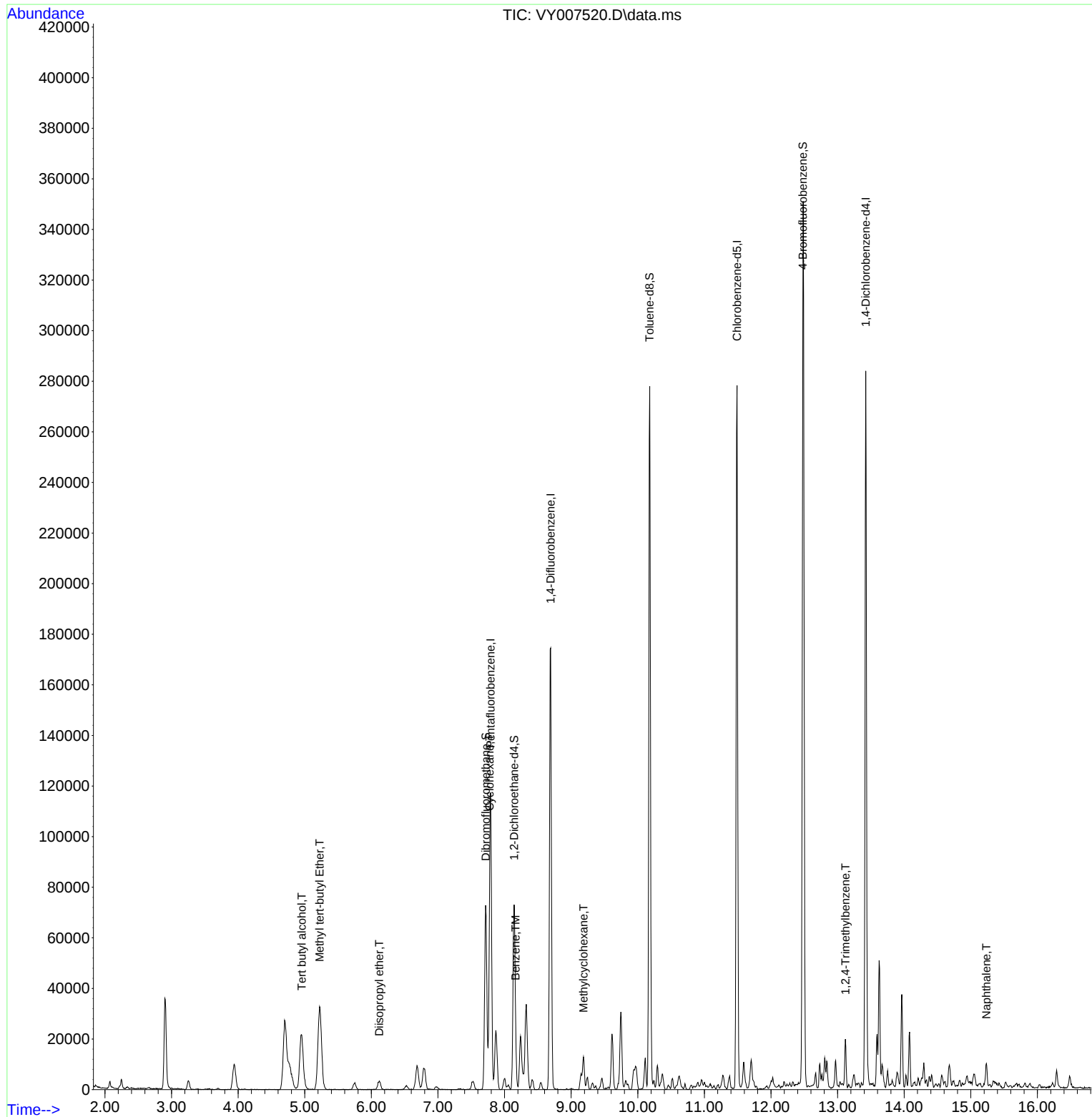
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789     | 168   | 87563    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691     | 114   | 153543   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490    | 117   | 148321   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 69332    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.143     | 65    | 53258    | 55.090   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 110.180% |          |
| 35) Dibromofluoromethane    | 7.716     | 113   | 50445    | 52.097   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 104.200% |          |
| 50) Toluene-d8              | 10.179    | 98    | 182935   | 49.742   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 99.480%  |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 67940    | 54.482   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 108.960% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol      | 4.954     | 59    | 48982    | 647.710  | ug/l #     | 95       |
| 19) Methyl tert-butyl Ether | 5.222     | 73    | 50333    | 19.088   | ug/l #     | 83       |
| 22) Diisopropyl ether       | 6.119     | 45    | 3863     | 1.375    | ug/l #     | 87       |
| 31) Cyclohexane             | 7.777     | 56    | 4849     | 2.836    | ug/l #     | 89       |
| 39) Methylcyclohexane       | 9.185     | 83    | 3305     | 1.623    | ug/l #     | 81       |
| 40) Benzene                 | 8.167     | 78    | 14151    | 3.281    | ug/l #     | 90       |
| 84) 1,2,4-Trimethylbenzene  | 13.117    | 105   | 10593    | 2.147    | ug/l       | 98       |
| 95) Naphthalene             | 15.233    | 128   | 7661     | 2.597    | ug/l       | 98       |
| -----                       |           |       |          |          |            |          |

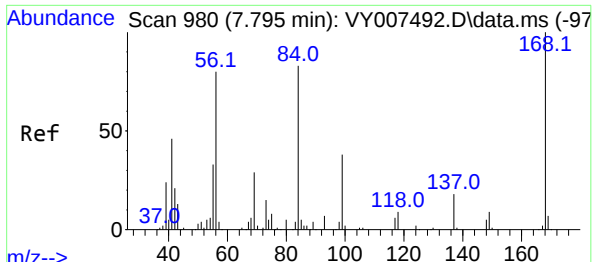
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021722\  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

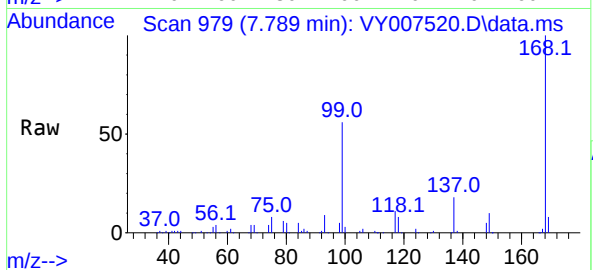
Quant Time: Feb 18 07:38:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 15 09:34:50 2022  
Response via : Initial Calibration



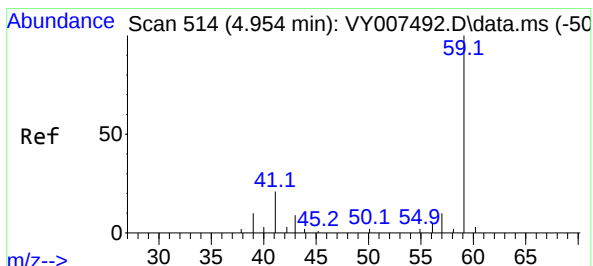
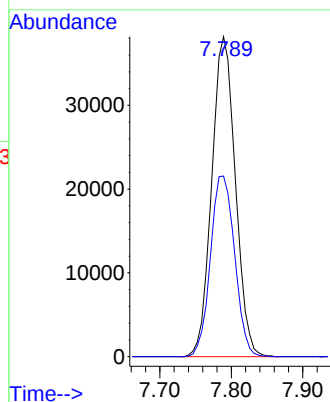
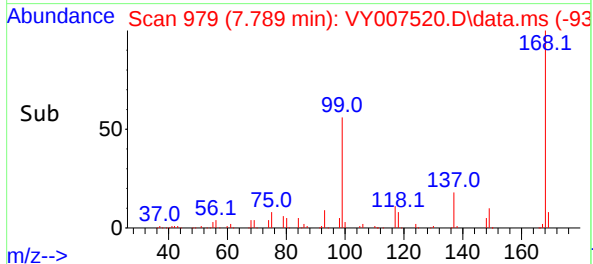


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

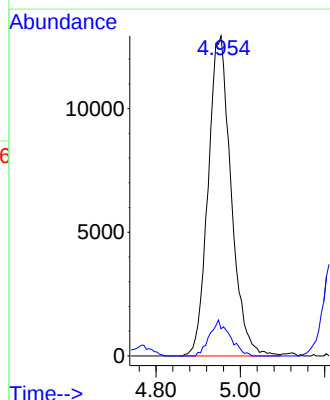
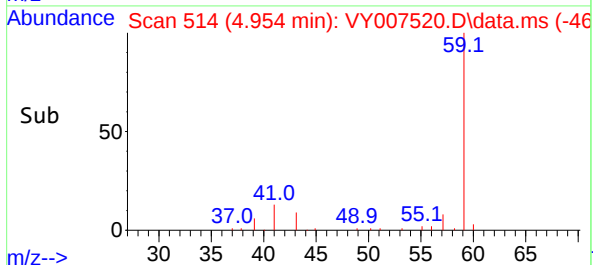
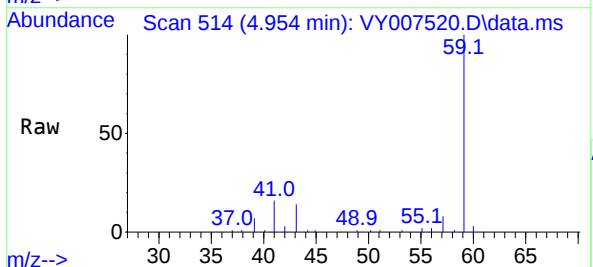


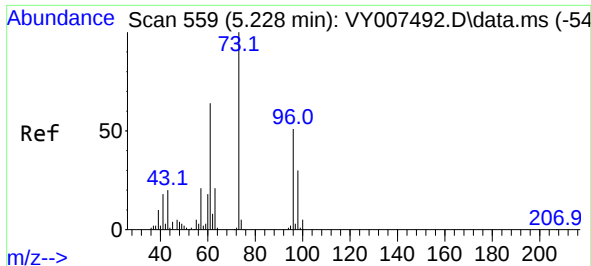
Tgt Ion:168 Resp: 87563  
Ion Ratio Lower Upper  
168 100  
99 56.5 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 647.710 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Tgt Ion: 59 Resp: 48982  
Ion Ratio Lower Upper  
59 100  
57 9.9 6.4 9.6#





#19

Methyl tert-butyl Ether

Concen: 19.088 ug/l

RT: 5.222 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY007520.D

Acq: 17 Feb 2022 14:17

Instrument :

MSVOA\_Y

ClientSampleId :

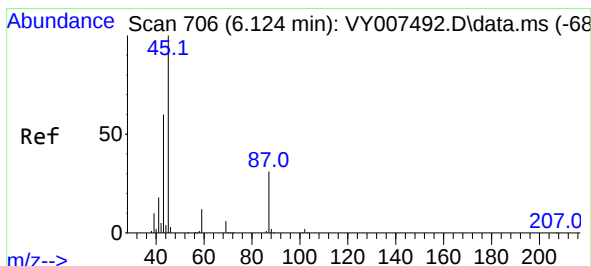
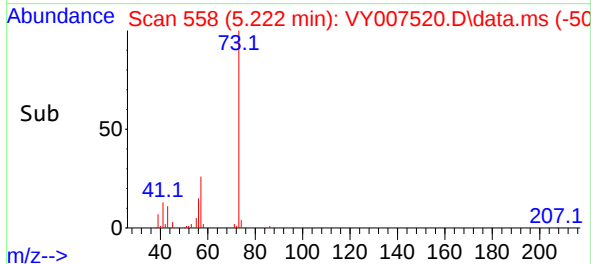
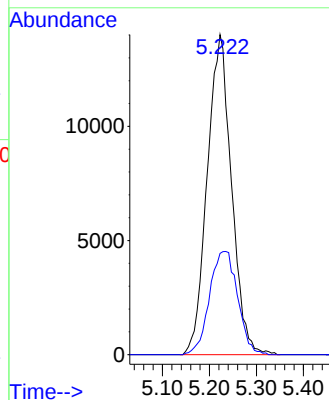
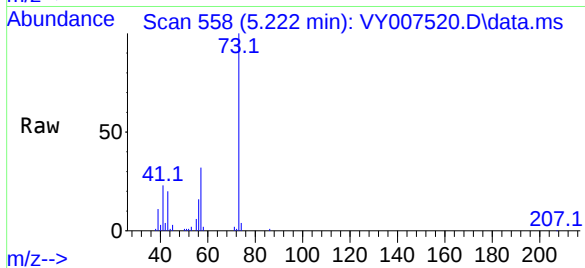
A5-3-8.5

Tgt Ion: 73 Resp: 50333

Ion Ratio Lower Upper

73 100

57 31.7 18.6 27.8#



#22

Diisopropyl ether

Concen: 1.375 ug/l

RT: 6.119 min Scan# 705

Delta R.T. -0.006 min

Lab File: VY007520.D

Acq: 17 Feb 2022 14:17

Tgt Ion: 45 Resp: 3863

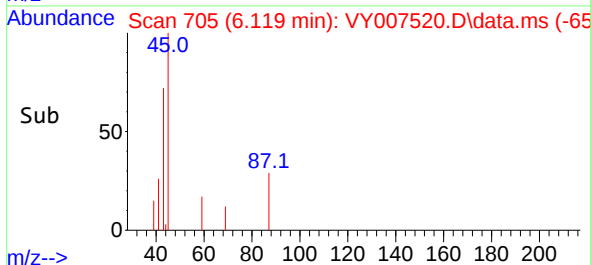
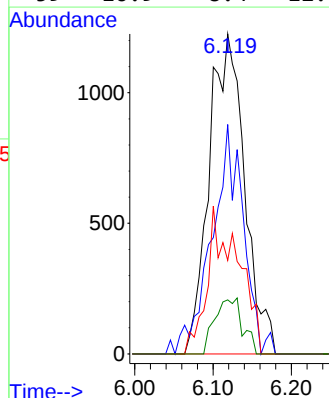
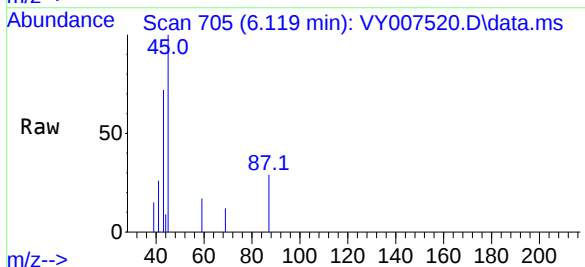
Ion Ratio Lower Upper

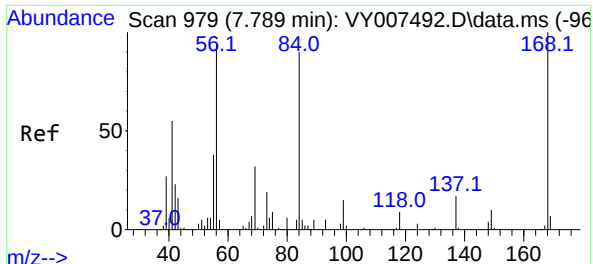
45 100

43 71.7 49.3 73.9

87 29.2 19.2 28.8#

59 16.9 8.4 12.6#

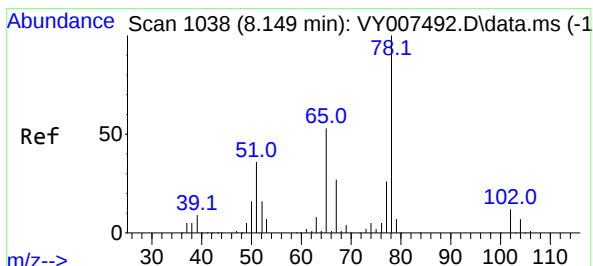
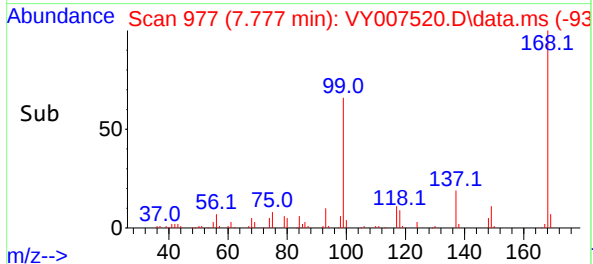
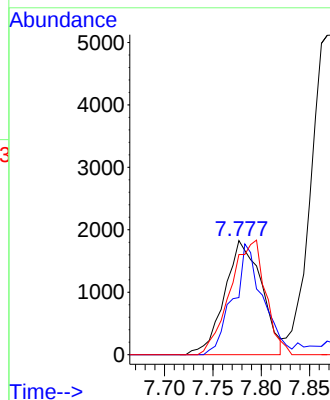
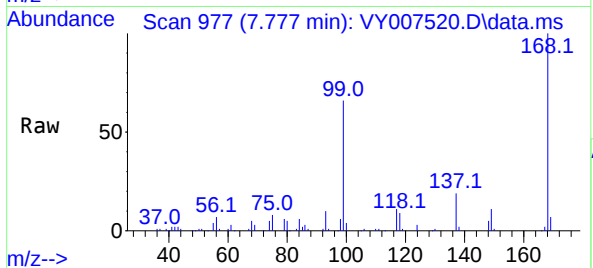




#31  
Cyclohexane  
Concen: 2.836 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

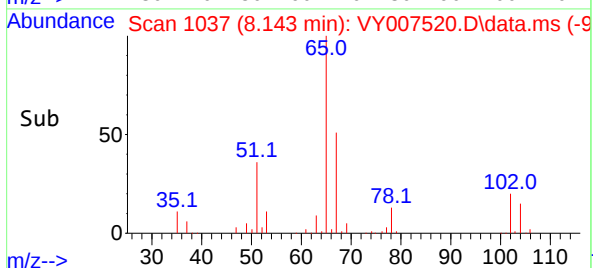
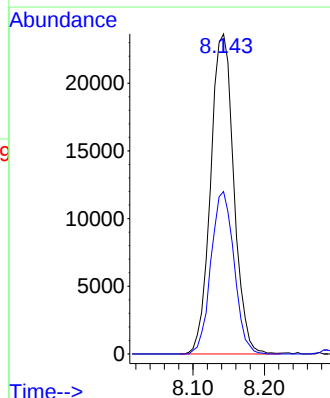
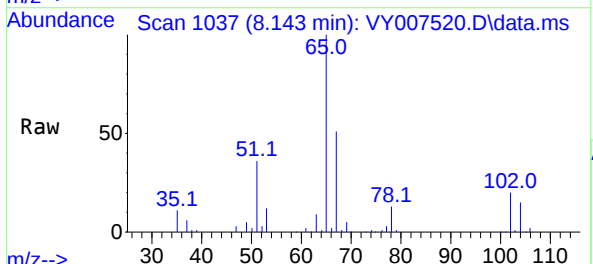
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

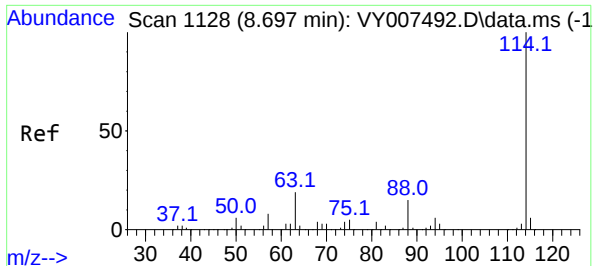
Tgt Ion: 56 Resp: 4849  
Ion Ratio Lower Upper  
56 100  
69 50.1 26.7 40.1#  
84 87.8 67.2 100.8



#33  
1,2-Dichloroethane-d4  
Concen: 55.090 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Tgt Ion: 65 Resp: 53258  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY007520.D

Acq: 17 Feb 2022 14:17

Instrument :

MSVOA\_Y

ClientSampleId :

A5-3-8.5

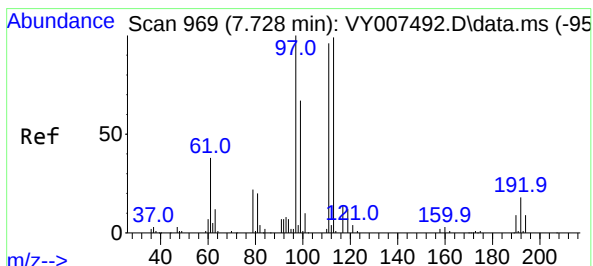
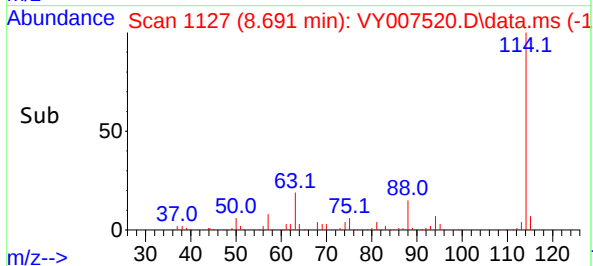
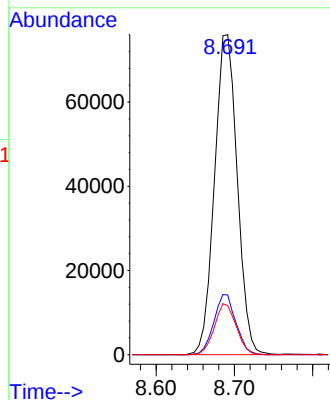
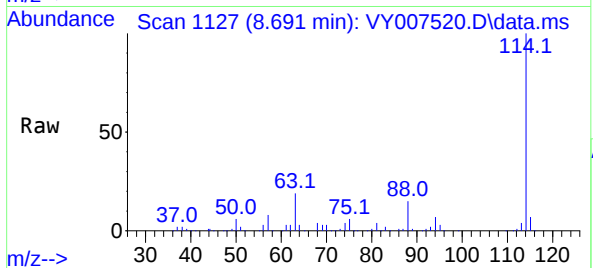
Tgt Ion:114 Resp: 153543

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.097 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007520.D

Acq: 17 Feb 2022 14:17

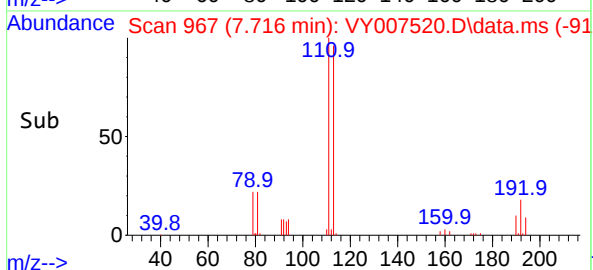
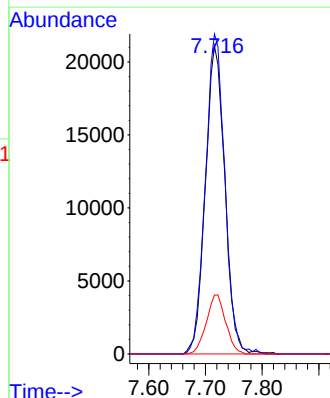
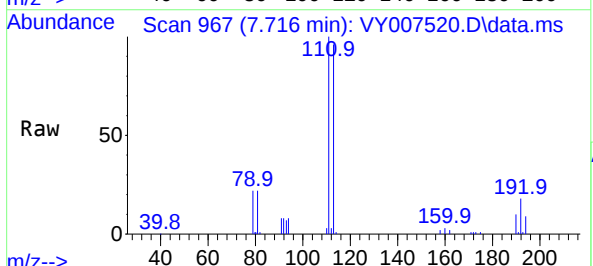
Tgt Ion:113 Resp: 50445

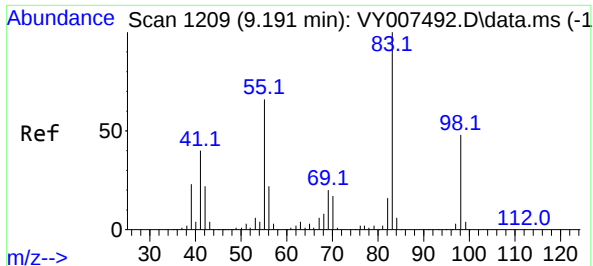
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.0 17.6 26.4





#39

Methylcyclohexane

Concen: 1.623 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007520.D

Acq: 17 Feb 2022 14:17

Instrument :

MSVOA\_Y

ClientSampleId :

A5-3-8.5

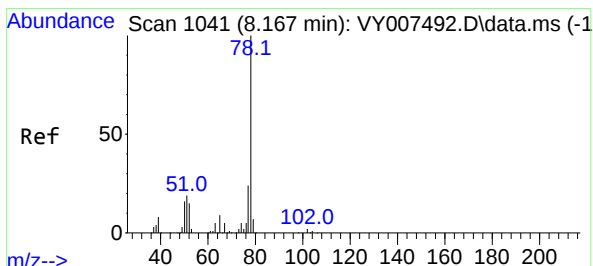
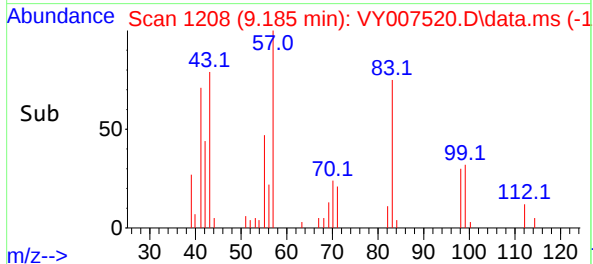
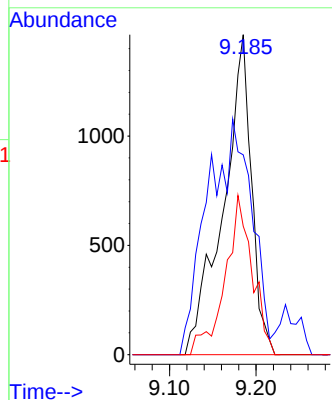
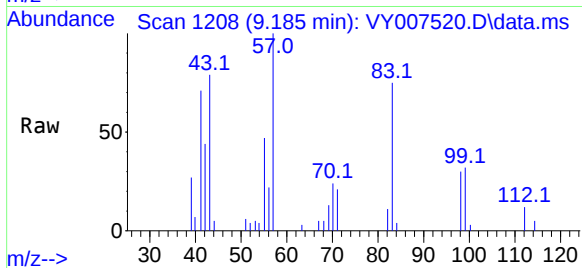
Tgt Ion: 83 Resp: 3305

Ion Ratio Lower Upper

83 100

55 62.4 66.5 99.7#

98 40.2 37.9 56.9



#40

Benzene

Concen: 3.281 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY007520.D

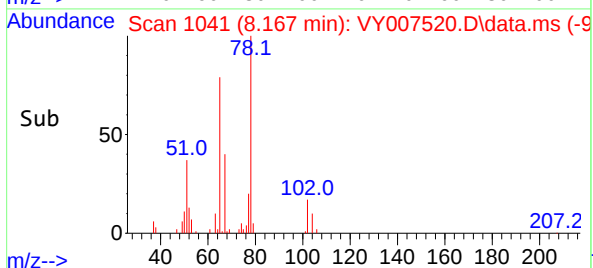
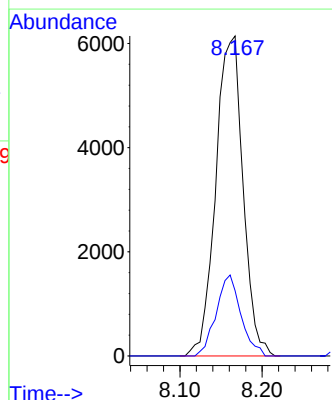
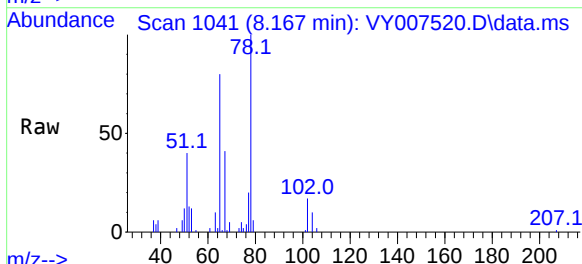
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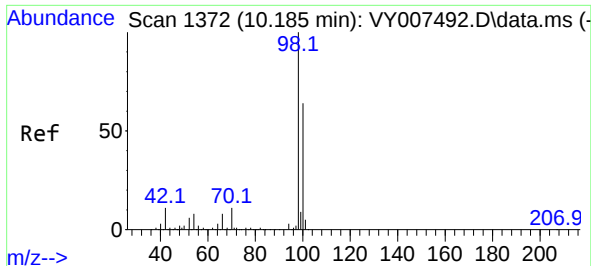
Tgt Ion: 78 Resp: 14151

Ion Ratio Lower Upper

78 100

77 20.4 20.4 30.6#

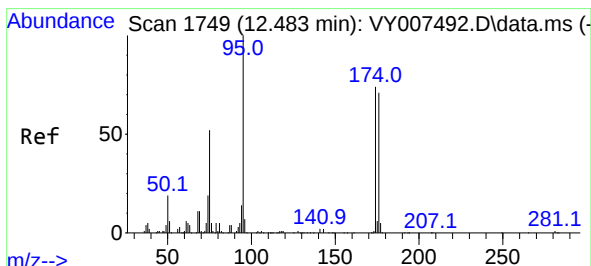
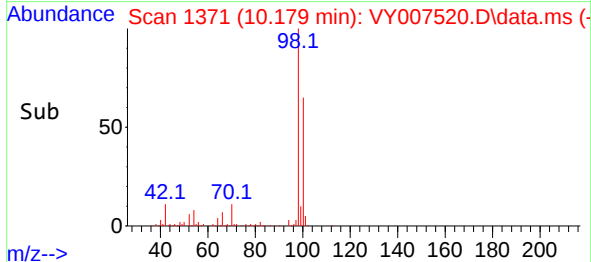
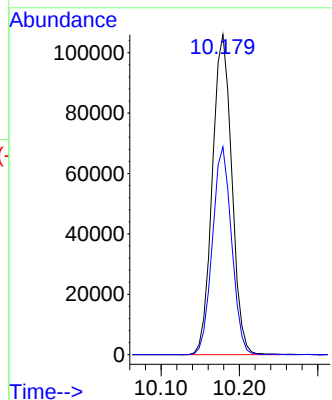
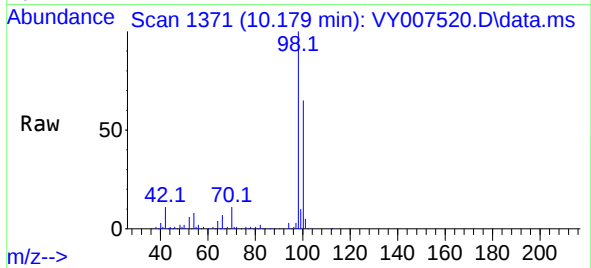




#50  
Toluene-d8  
Concen: 49.742 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

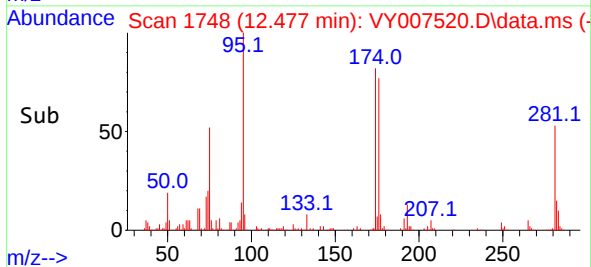
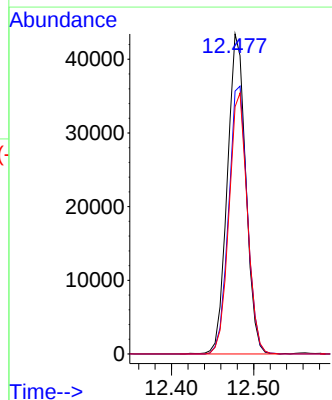
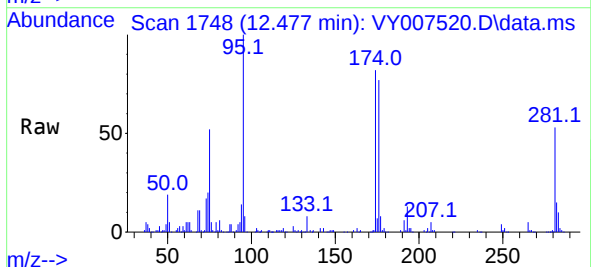
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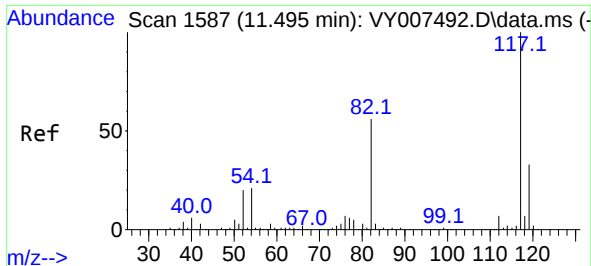
Tgt Ion: 98 Resp: 182935  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 54.482 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Tgt Ion: 95 Resp: 67940  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 81.0 0.0 175.8

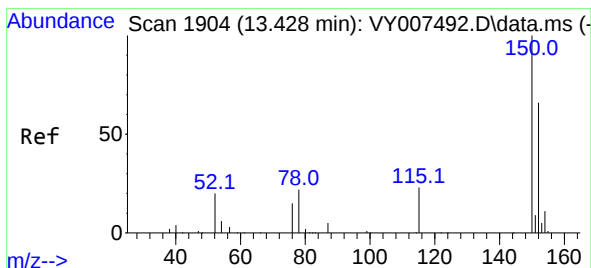
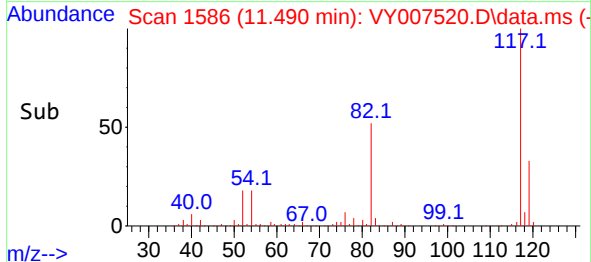
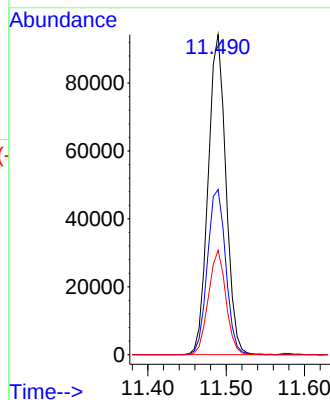
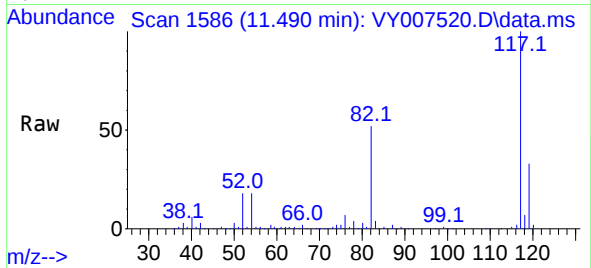




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

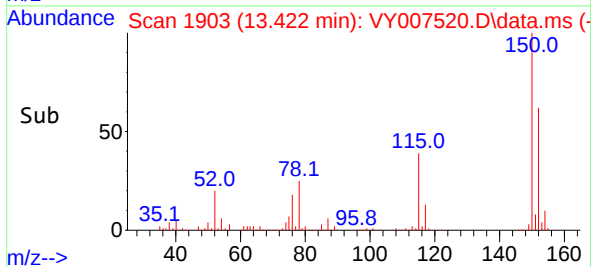
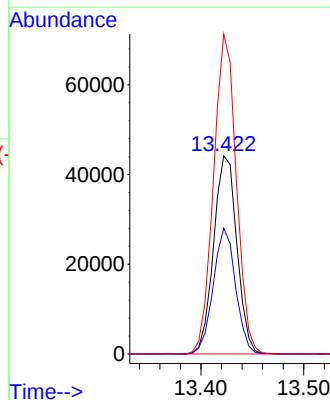
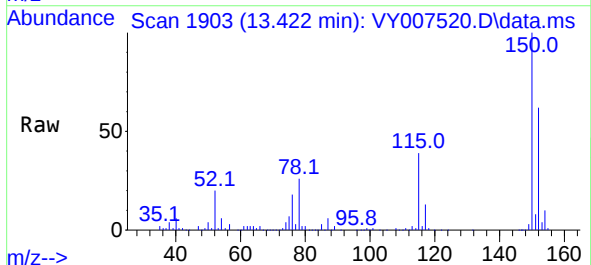
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

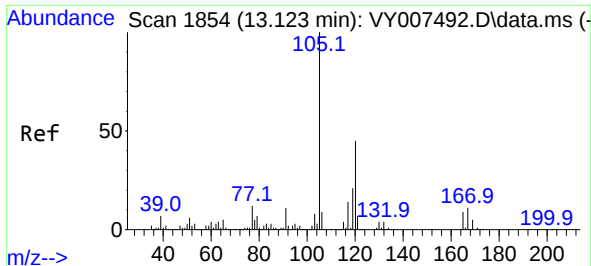
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Ion Ratio Lower Upper  
117 100  
82 51.6 43.0 64.4  
119 32.6 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Tgt Ion:152 Resp: 69332  
Ion Ratio Lower Upper  
152 100  
115 61.1 28.2 84.7  
150 158.3 0.0 347.6

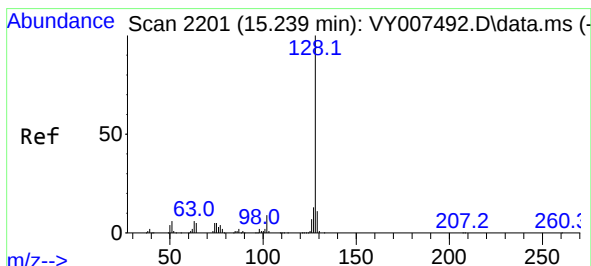
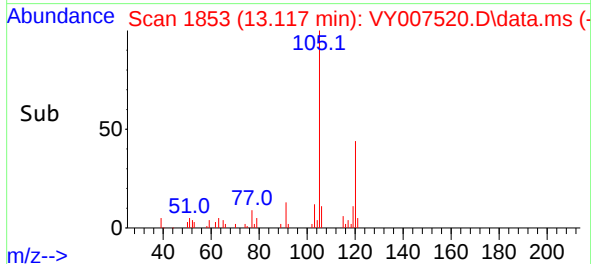
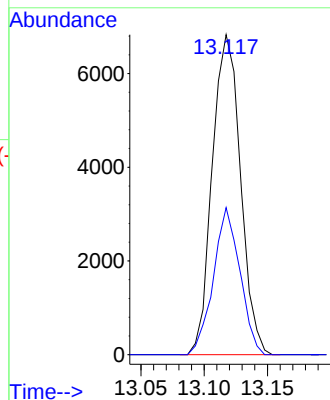
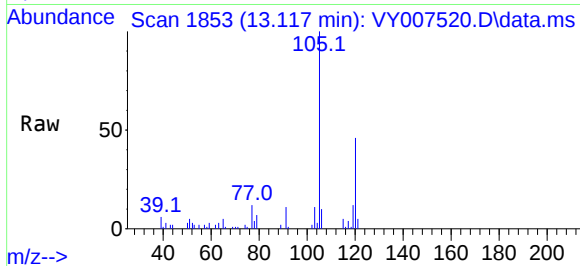




#84  
1,2,4-Trimethylbenzene  
Concen: 2.147 ug/l  
RT: 13.117 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
A5-3-8.5

Tgt Ion:105 Resp: 10593  
Ion Ratio Lower Upper  
105 100  
120 43.2 22.3 66.9



#95  
Naphthalene  
Concen: 2.597 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY007520.D  
Acq: 17 Feb 2022 14:17

Tgt Ion:128 Resp: 7661  
Ion Ratio Lower Upper  
128 100  
127 14.8 11.0 16.4  
129 10.4 8.4 12.6

