

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080723\  
 Data File : VX036849.D  
 Acq On : 07 Aug 2023 20:05  
 Operator : JC/MD  
 Sample : 03903-12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-01W

Quant Time: Aug 08 01:41:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

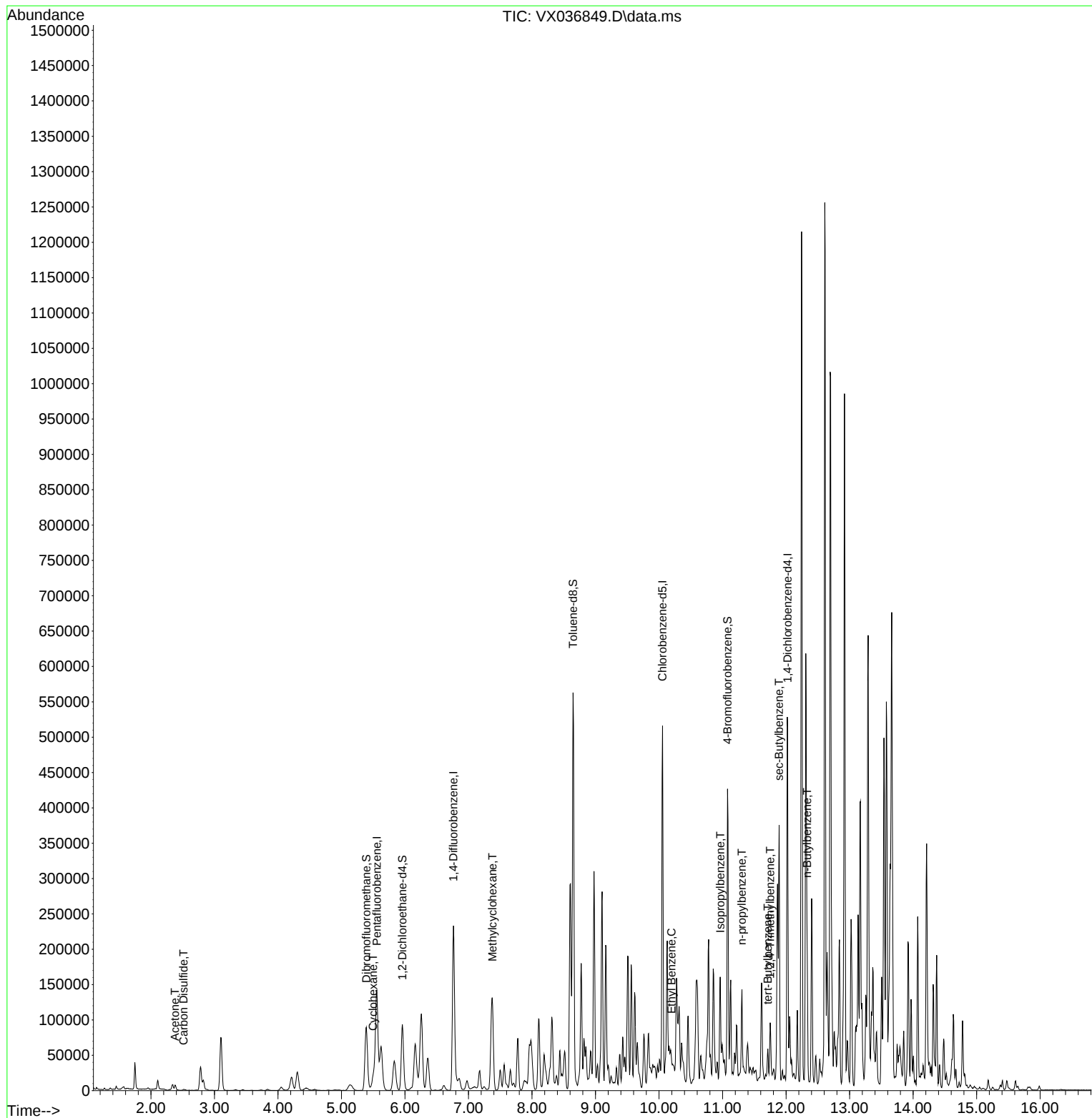
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 128225   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 234778   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 221835   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 105195   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 89656    | 47.255   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 94.520%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 75989    | 47.089   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.180%  |
| 50) Toluene-d8              | 8.646  | 98    | 286749   | 50.108   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 100.220% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 115328   | 53.416   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 106.840% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.379  | 43    | 7639     | 9.703    | ug/l   | 93       |
| 17) Carbon Disulfide        | 2.513  | 76    | 1716     | 0.433    | ug/l   | 96       |
| 31) Cyclohexane             | 5.495  | 56    | 9599     | 3.654    | ug/l # | 57       |
| 39) Methylcyclohexane       | 7.378  | 83    | 46755    | 15.633   | ug/l # | 86       |
| 67) Ethyl Benzene           | 10.195 | 91    | 5397     | 0.604    | ug/l   | 99       |
| 73) Isopropylbenzene        | 10.963 | 105   | 71968    | 8.267    | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305 | 91    | 76693    | 7.617    | ug/l   | 99       |
| 83) tert-Butylbenzene       | 11.713 | 119   | 13210    | 1.846    | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene  | 11.750 | 105   | 27907    | 3.831    | ug/l   | 96       |
| 85) sec-Butylbenzene        | 11.890 | 105   | 181457   | 20.336   | ug/l   | 97       |
| 89) n-Butylbenzene          | 12.329 | 91    | 119053   | 18.114   | ug/l # | 67       |
| -----                       |        |       |          |          |        |          |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01W

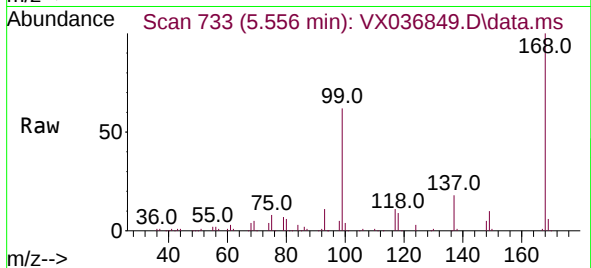
Quant Time: Aug 08 01:41:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration



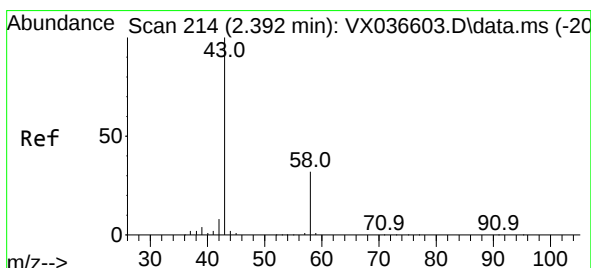
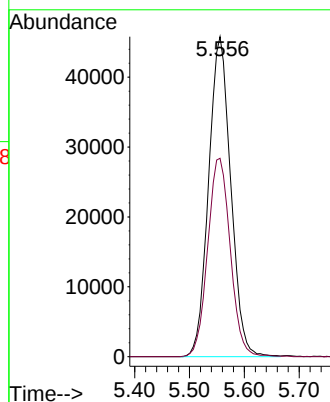
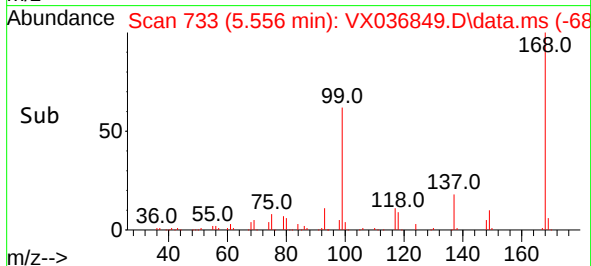


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01W

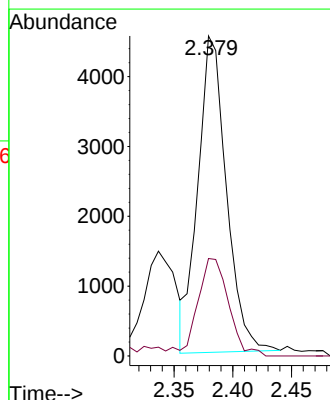
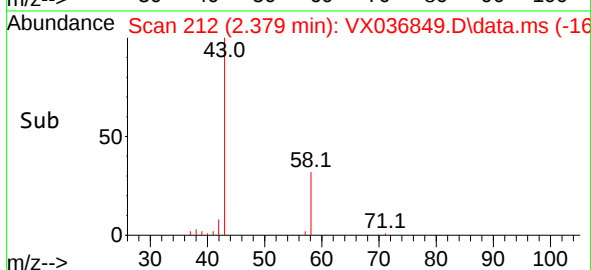
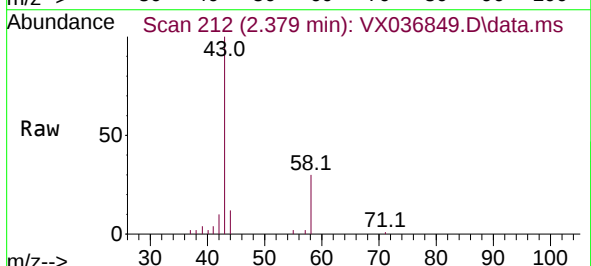


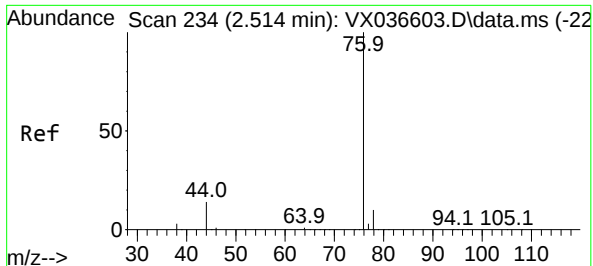
Tgt Ion:168 Resp: 128225  
Ion Ratio Lower Upper  
168 100  
99 62.0 56.6 85.0



#16  
Acetone  
Concen: 9.703 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.012 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Tgt Ion: 43 Resp: 7639  
Ion Ratio Lower Upper  
43 100  
58 31.0 21.9 32.9

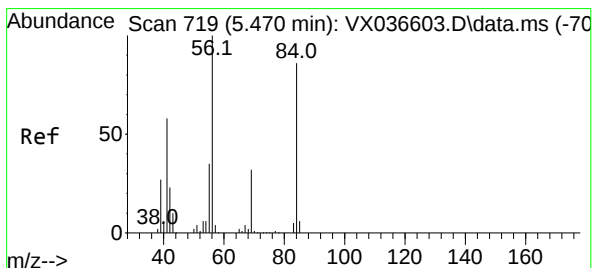
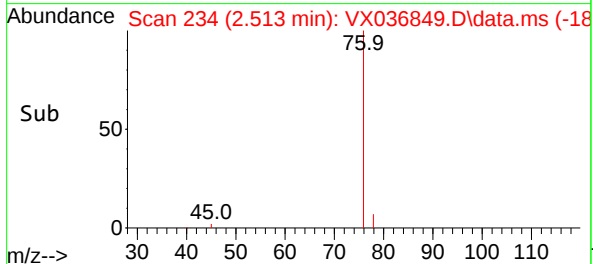
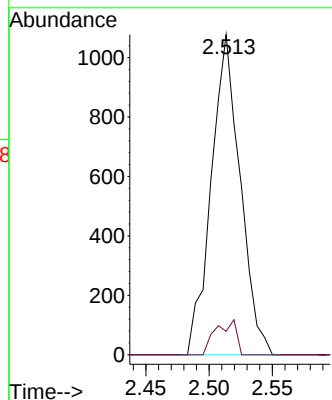
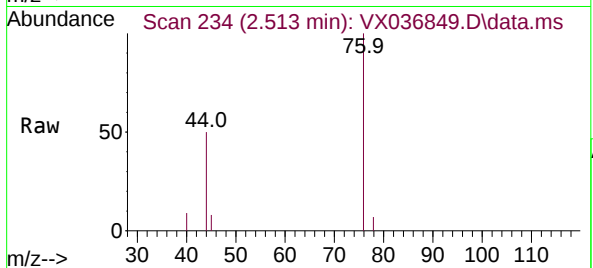




#17  
Carbon Disulfide  
Concen: 0.433 ug/l  
RT: 2.513 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

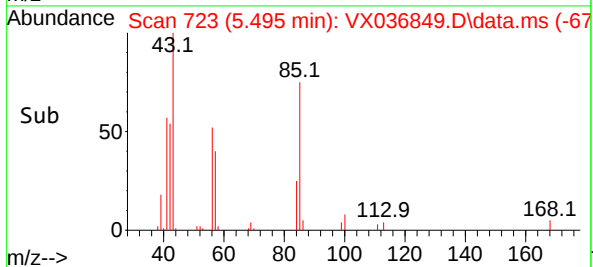
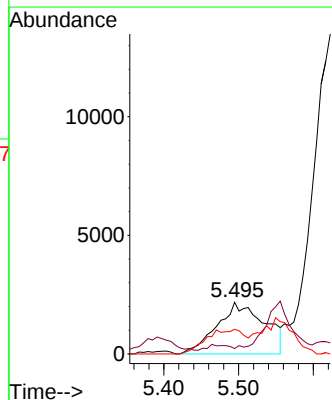
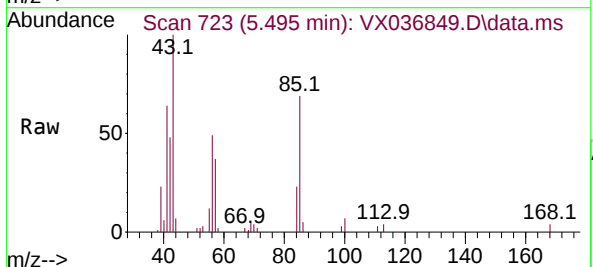
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01W

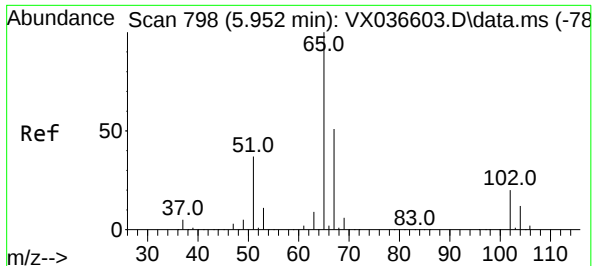
Tgt Ion: 76 Resp: 1716  
Ion Ratio Lower Upper  
76 100  
78 7.3 7.0 10.6



#31  
Cyclohexane  
Concen: 3.654 ug/l  
RT: 5.495 min Scan# 723  
Delta R.T. 0.024 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Tgt Ion: 56 Resp: 9599  
Ion Ratio Lower Upper  
56 100  
69 0.0 23.4 35.2#  
84 47.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.255 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036849.D

Acq: 07 Aug 2023 20:05

Instrument :

MSVOA\_X

ClientSampleId :

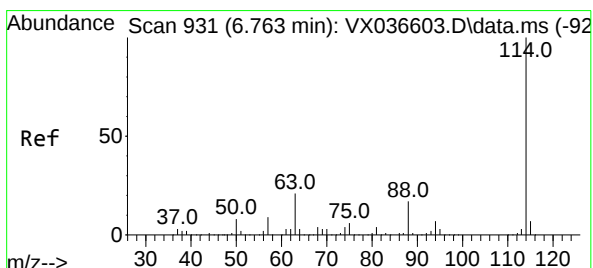
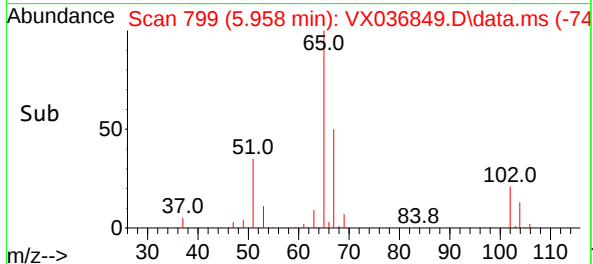
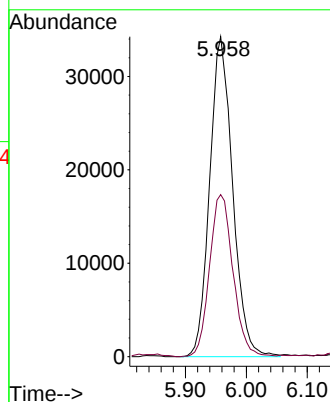
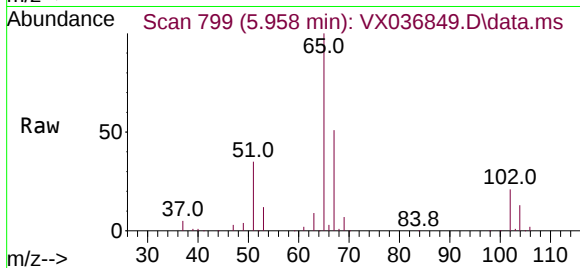
MW-01W

Tgt Ion: 65 Resp: 89656

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036849.D

Acq: 07 Aug 2023 20:05

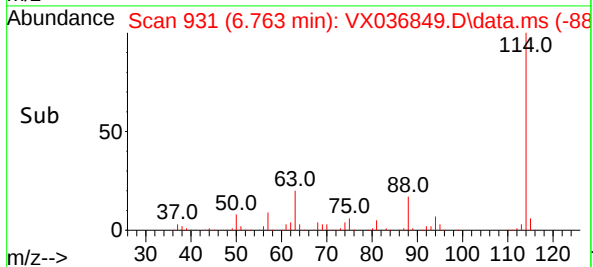
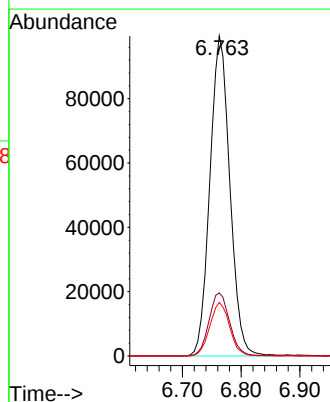
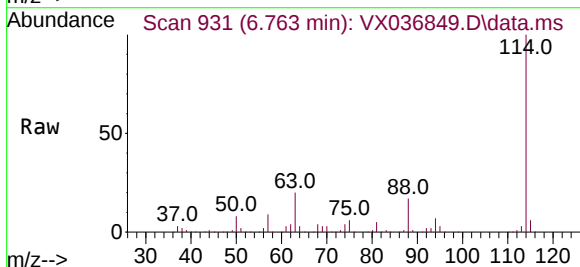
Tgt Ion: 114 Resp: 234778

Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

88 16.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.089 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036849.D

Acq: 07 Aug 2023 20:05

Instrument :

MSVOA\_X

ClientSampleId :

MW-01W

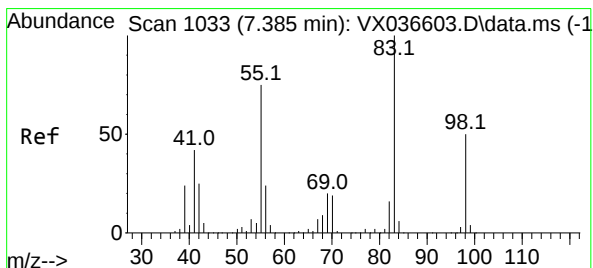
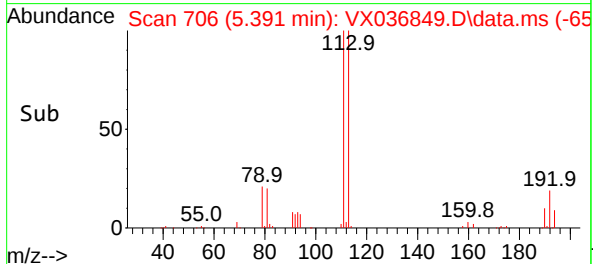
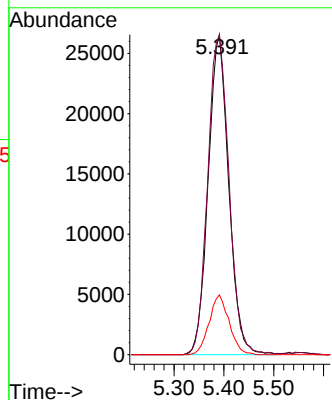
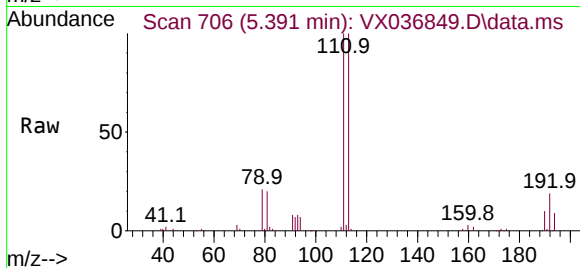
Tgt Ion:113 Resp: 75989

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

192 18.2 13.3 19.9



#39

Methylcyclohexane

Concen: 15.633 ug/l

RT: 7.378 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX036849.D

Acq: 07 Aug 2023 20:05

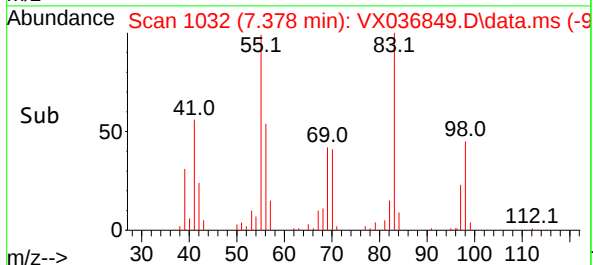
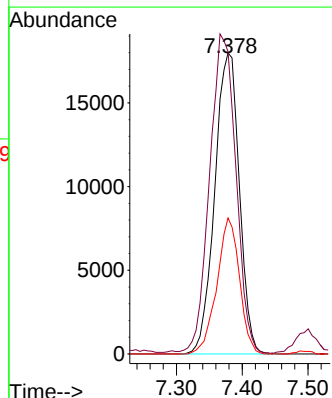
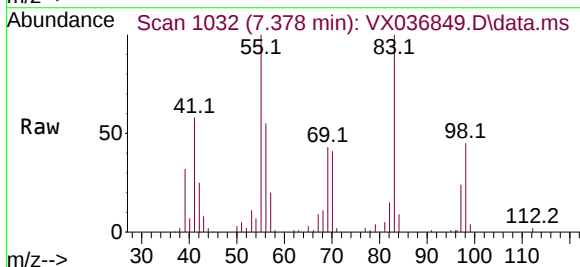
Tgt Ion: 83 Resp: 46755

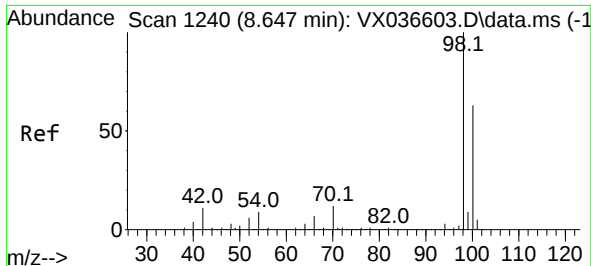
Ion Ratio Lower Upper

83 100

55 99.7 64.6 97.0#

98 45.2 36.7 55.1

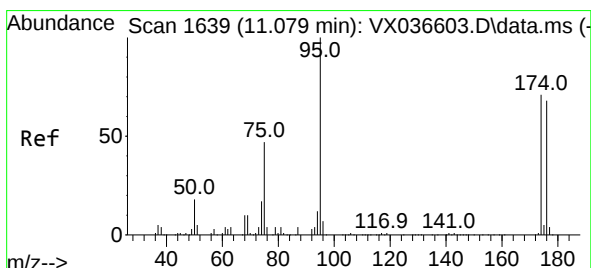
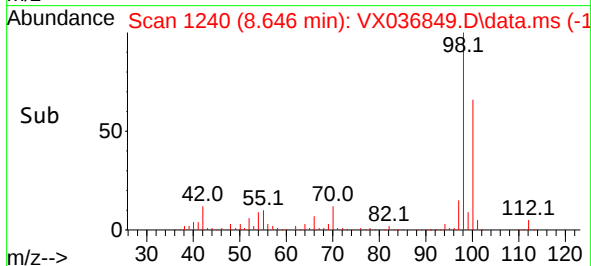
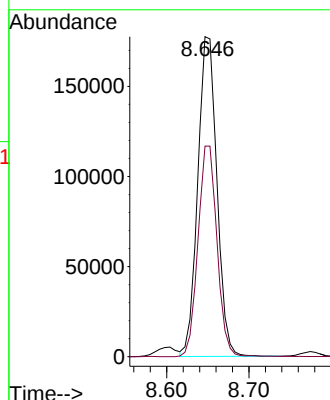
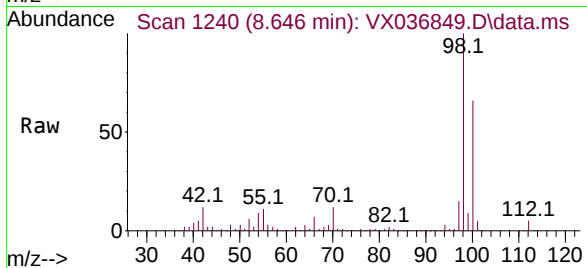




#50  
Toluene-d8  
Concen: 50.108 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

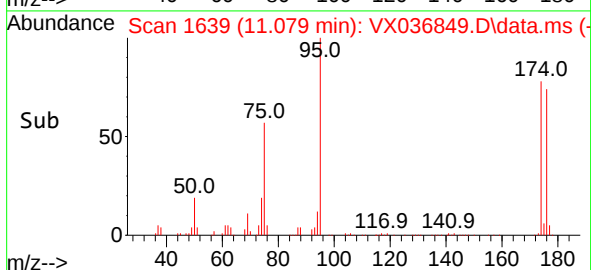
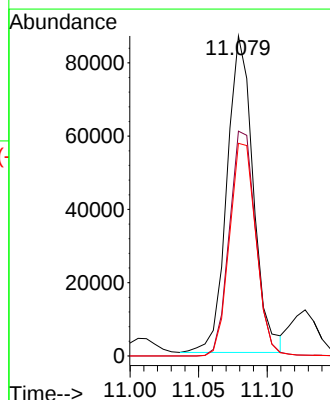
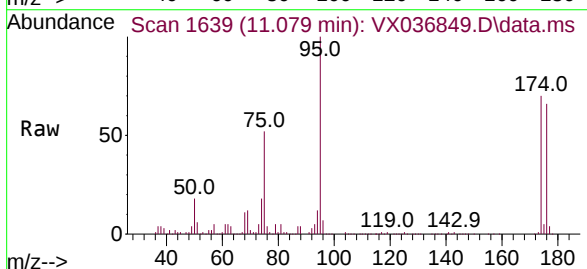
Instrument :  
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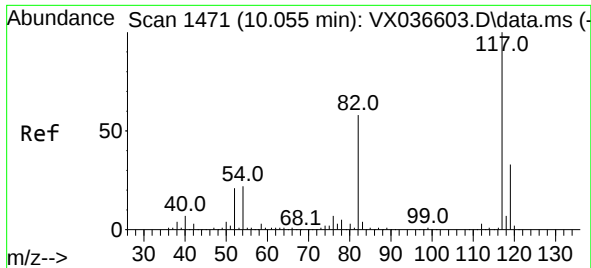
Tgt Ion: 98 Resp: 286749  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 53.416 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Tgt Ion: 95 Resp: 115328  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 135.6  
176 67.9 0.0 131.0

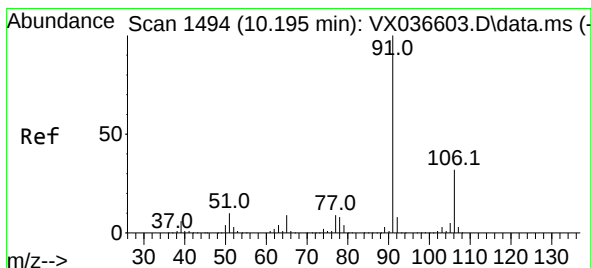
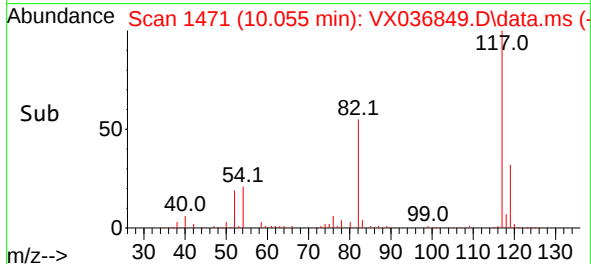
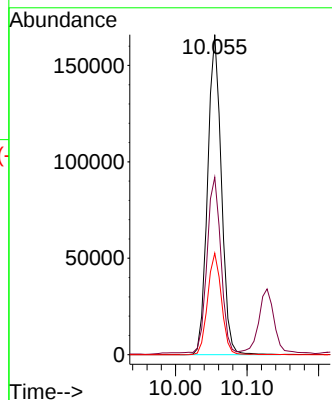
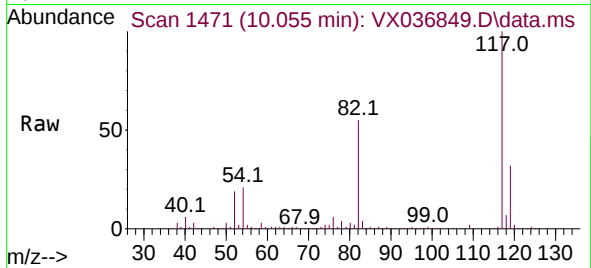




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

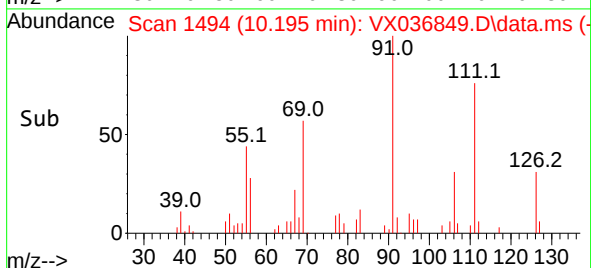
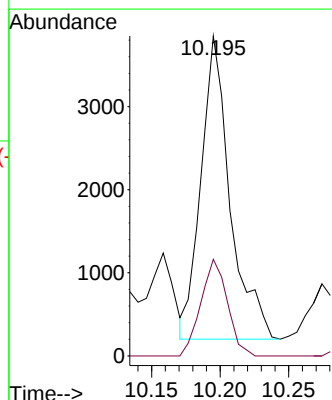
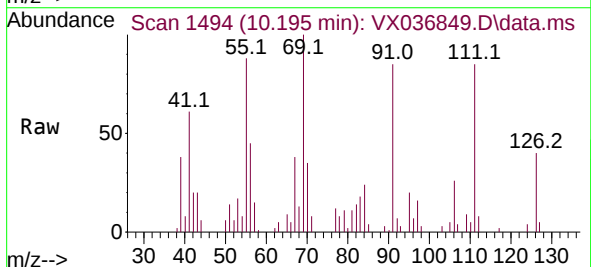
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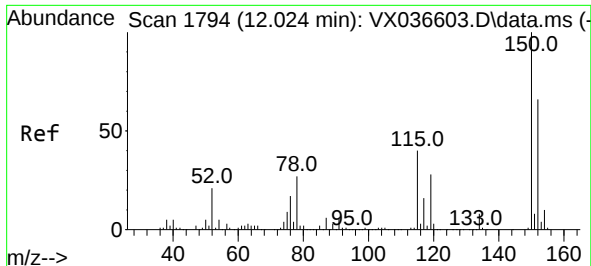
Tgt Ion:117 Resp: 221835  
Ion Ratio Lower Upper  
117 100  
82 54.8 46.2 69.4  
119 31.7 25.5 38.3



#67  
Ethyl Benzene  
Concen: 0.604 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Tgt Ion: 91 Resp: 5397  
Ion Ratio Lower Upper  
91 100  
106 31.8 24.9 37.3

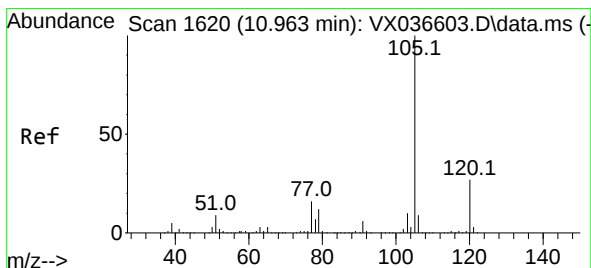
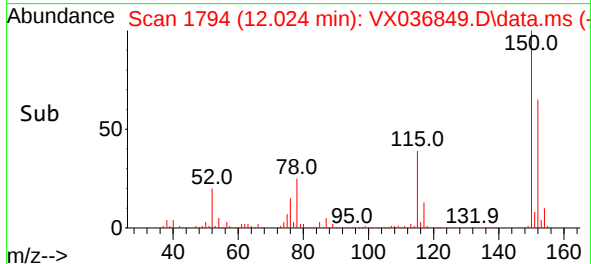
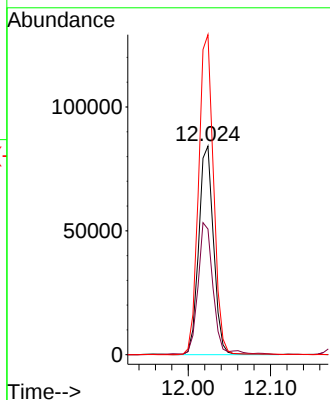
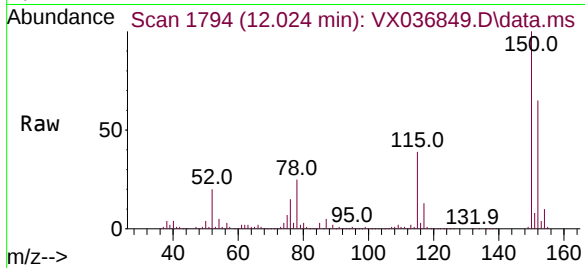




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

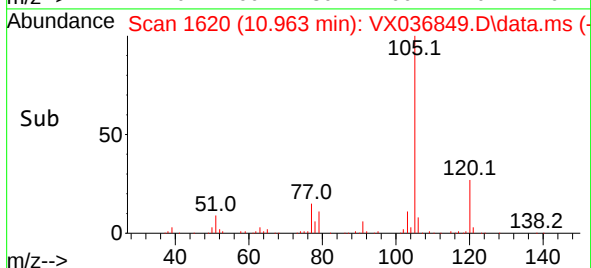
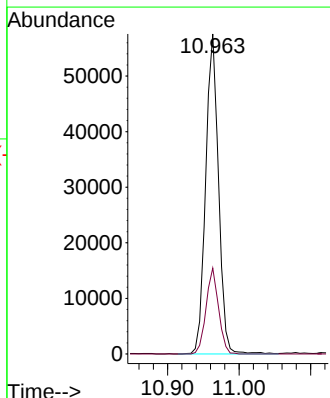
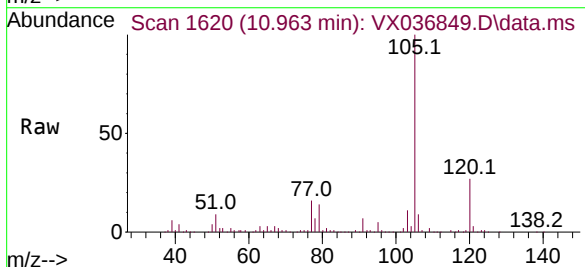
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01W

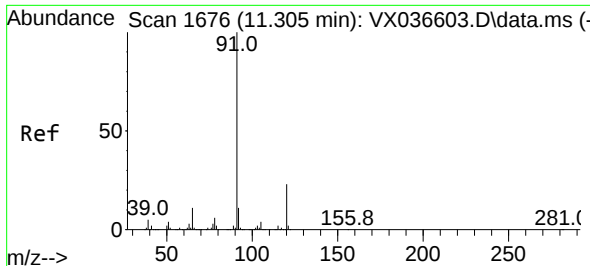
Tgt Ion:152 Resp: 105195  
Ion Ratio Lower Upper  
152 100  
115 65.7 43.3 129.9  
150 155.0 0.0 345.0



#73  
Isopropylbenzene  
Concen: 8.267 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Tgt Ion:105 Resp: 71968  
Ion Ratio Lower Upper  
105 100  
120 26.0 12.9 38.6

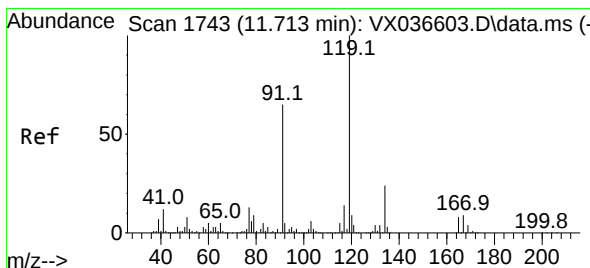
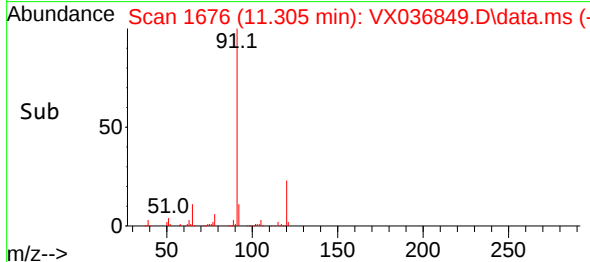
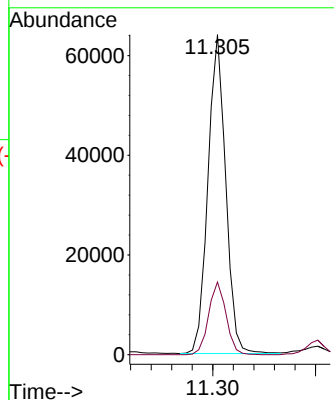
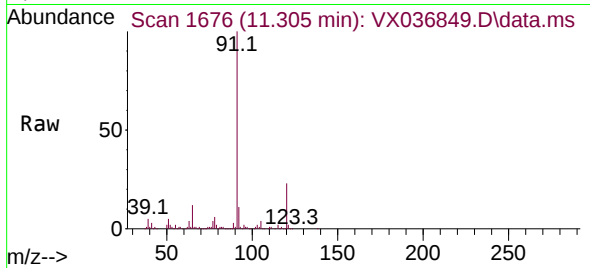




#78  
n-propylbenzene  
Concen: 7.617 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

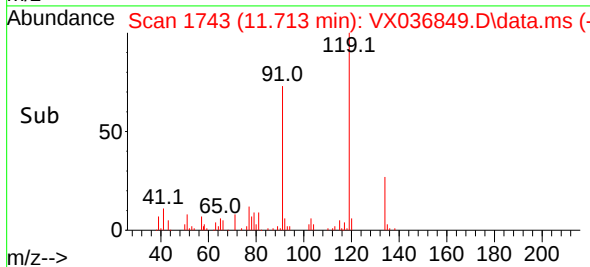
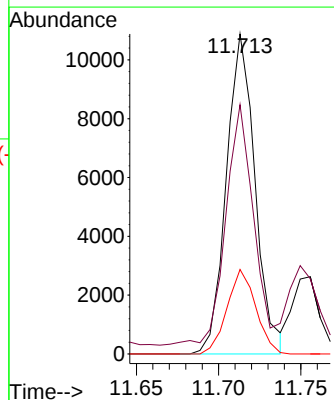
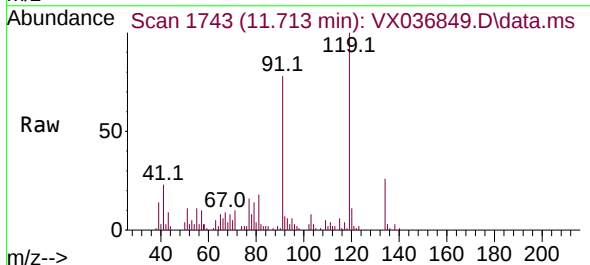
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01W

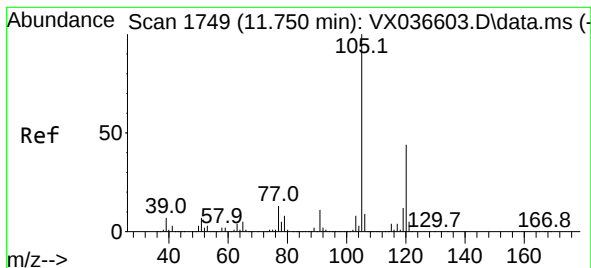
Tgt Ion: 91 Resp: 76693  
Ion Ratio Lower Upper  
91 100  
120 22.3 11.5 34.4



#83  
tert-Butylbenzene  
Concen: 1.846 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX036849.D  
Acq: 07 Aug 2023 20:05

Tgt Ion: 119 Resp: 13210  
Ion Ratio Lower Upper  
119 100  
91 72.1 31.2 93.6  
134 26.5 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 3.831 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036849.D

Acq: 07 Aug 2023 20:05

Instrument :

MSVOA\_X

ClientSampleId :

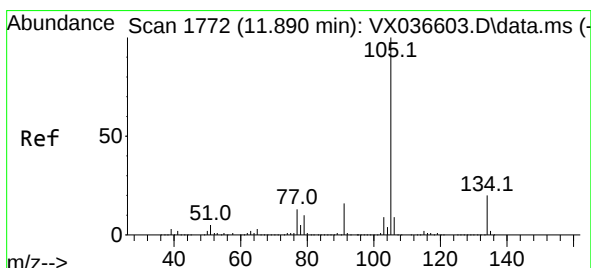
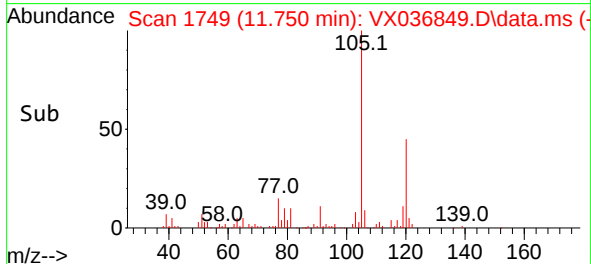
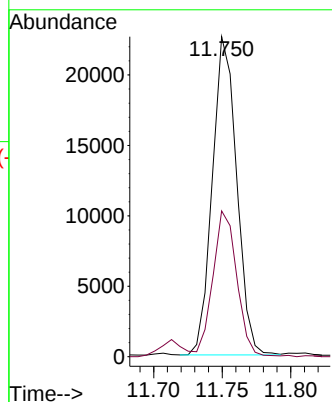
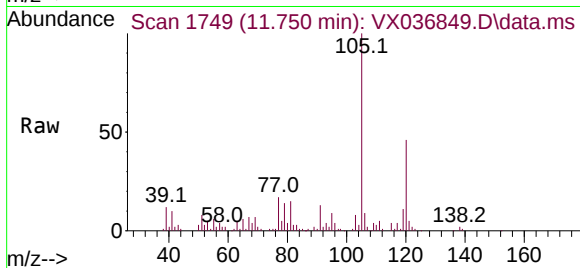
MW-01W

Tgt Ion:105 Resp: 27907

Ion Ratio Lower Upper

105 100

120 44.9 21.2 63.6



#85

sec-Butylbenzene

Concen: 20.336 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX036849.D

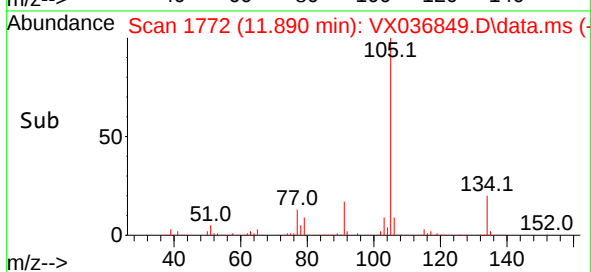
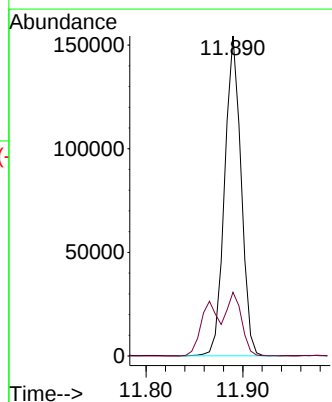
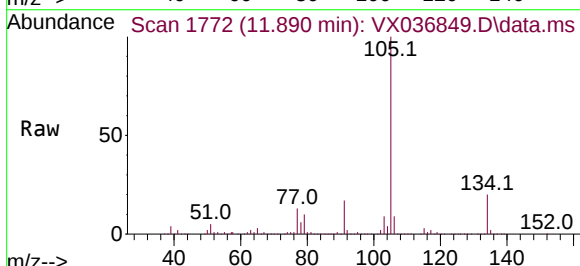
Acq: 07 Aug 2023 20:05

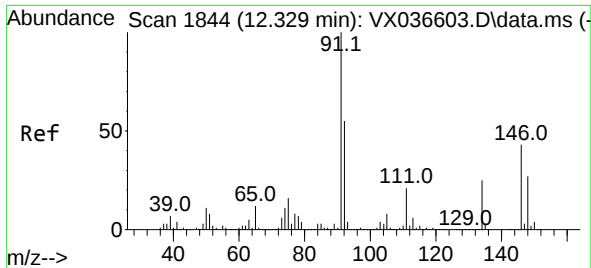
Tgt Ion:105 Resp: 181457

Ion Ratio Lower Upper

105 100

134 18.3 9.8 29.4





#89

n-Butylbenzene

Concen: 18.114 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036849.D

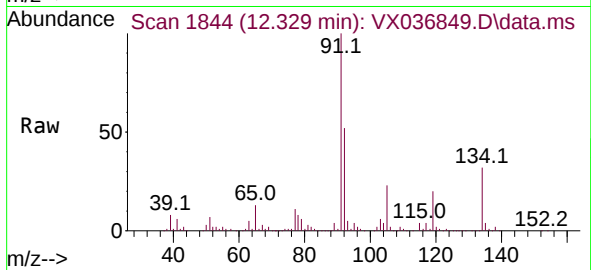
Acq: 07 Aug 2023 20:05

Instrument :

MSVOA\_X

ClientSampleId :

MW-01W



Tgt Ion: 91 Resp: 119053

Ion Ratio Lower Upper

91 100

92 37.1 27.4 82.0

134 0.0 12.6 37.8#

