

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061923\  
 Data File : VX036212.D  
 Acq On : 19 Jun 2023 17:38  
 Operator : JC/MD  
 Sample : 03238-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 20 03:45:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

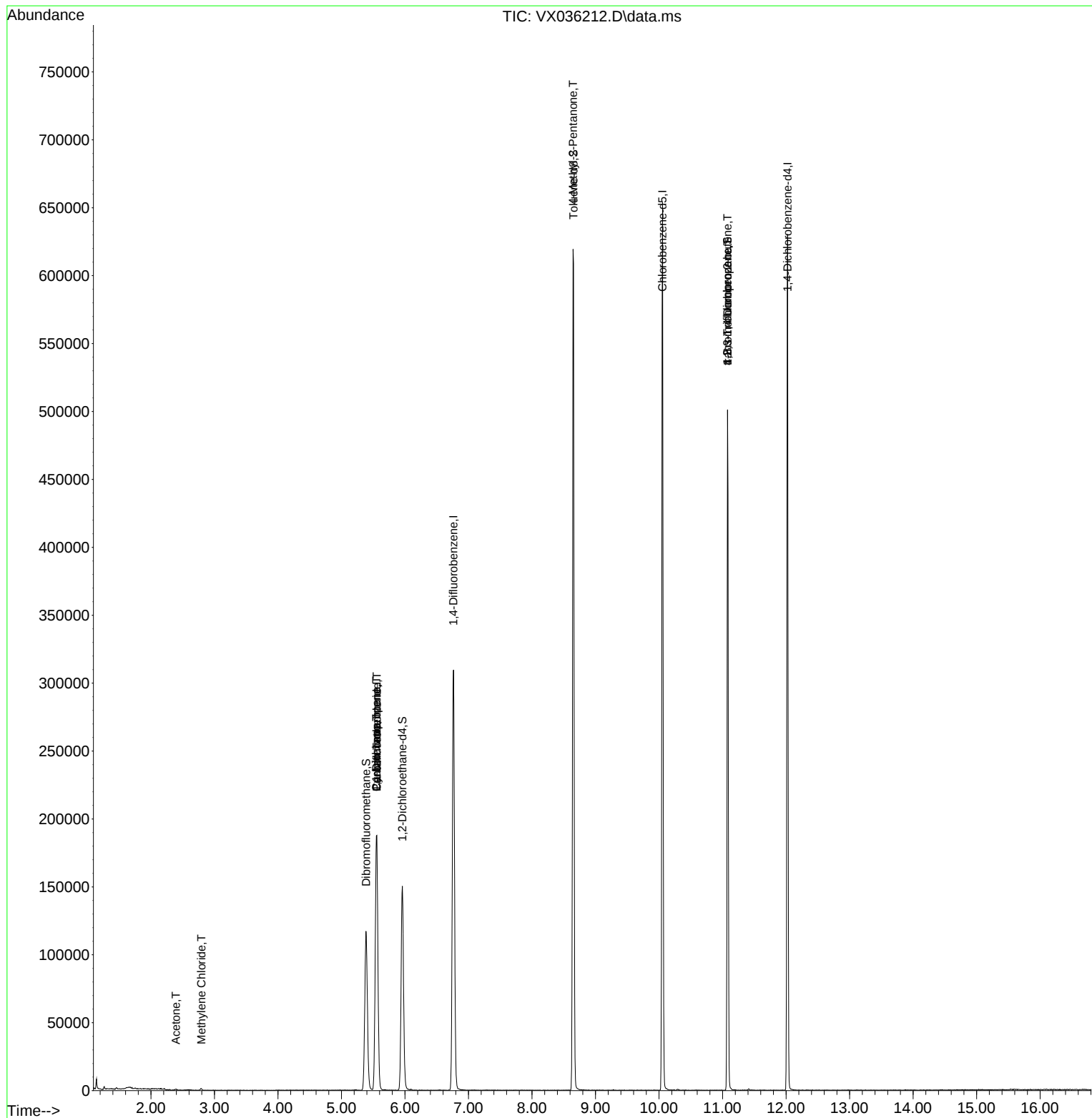
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 161145   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 295140   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 265605   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 117986   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 155619   | 52.845   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 105.680% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 101181   | 50.555   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 101.120% |          |
| 50) Toluene-d8                | 8.653     | 98    | 351048   | 47.951   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 95.900%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 133141   | 45.054   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 90.100%  |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 16) Acetone                   | 2.392     | 43    | 997      | 0.815    | ug/l       | 90       |
| 20) Methylene Chloride        | 2.794     | 84    | 534      | 0.241    | ug/l #     | 69       |
| 31) Cyclohexane               | 5.550     | 56    | 4664     | 1.476    | ug/l #     | 12       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 15557    | 5.277    | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 5.556     | 117   | 19047    | 6.646    | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43    | 1919     | 0.578    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 76044    | 27.157   | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 76044    | 95.056   | ug/l #     | 5        |
| -----                         |           |       |          |          |            |          |

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

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ALS Vial : 15 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :

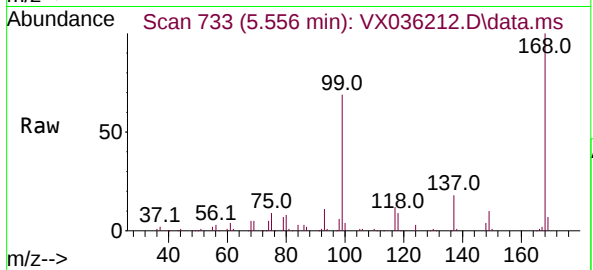
Quant Time: Jun 20 03:45:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 16 16:28:40 2023  
Response via : Initial Calibration



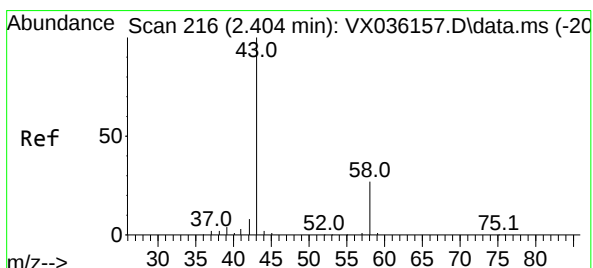
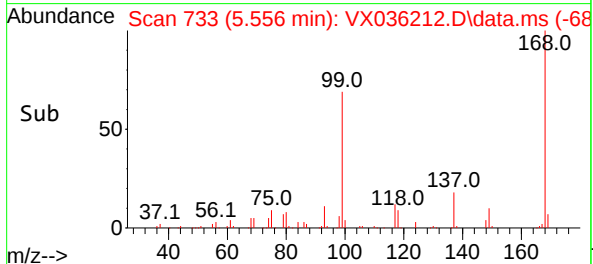
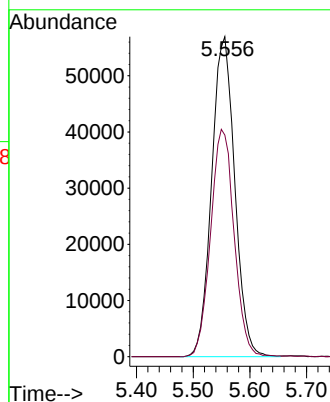


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Instrument :  
MSVOA\_X  
ClientSampleId :

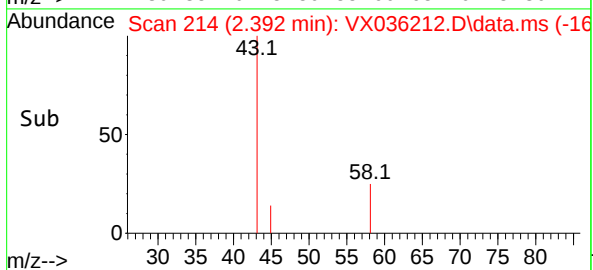
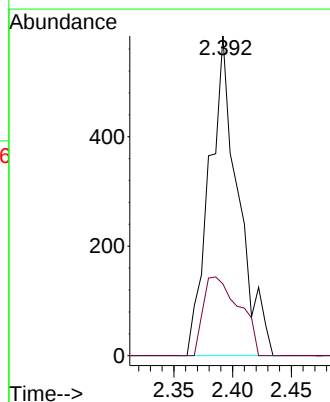
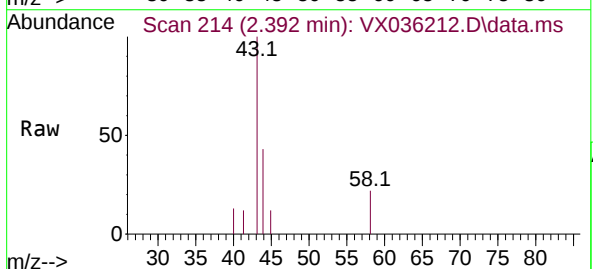


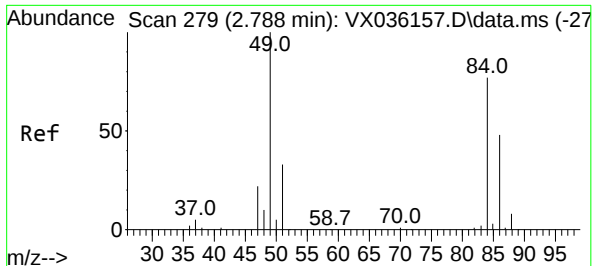
Tgt Ion:168 Resp: 161145  
Ion Ratio Lower Upper  
168 100  
99 69.2 56.6 85.0



#16  
Acetone  
Concen: 0.815 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Tgt Ion: 43 Resp: 997  
Ion Ratio Lower Upper  
43 100  
58 22.4 21.9 32.9





#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

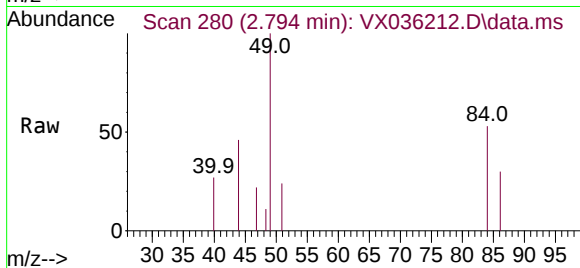
Lab File: VX036212.D

Acq: 19 Jun 2023 17:38

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 84 Resp: 534

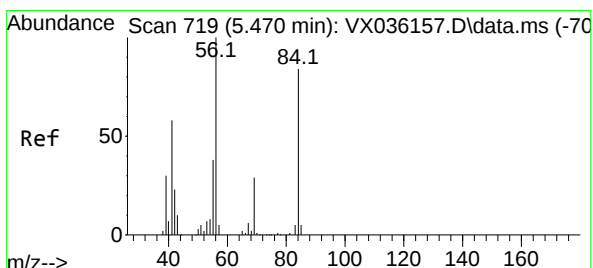
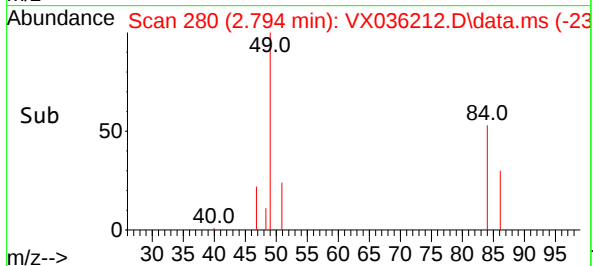
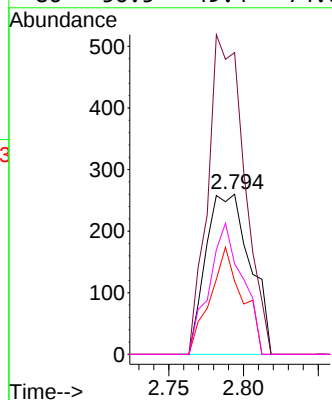
Ion Ratio Lower Upper

84 100

49 188.5 103.6 155.4#

51 45.8 33.8 50.6

86 56.5 49.4 74.0



#31

Cyclohexane

Concen: 1.476 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036212.D

Acq: 19 Jun 2023 17:38

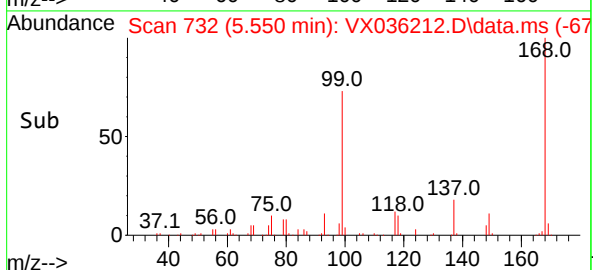
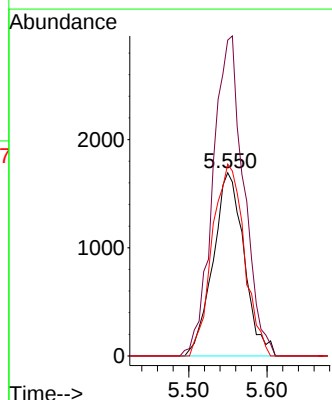
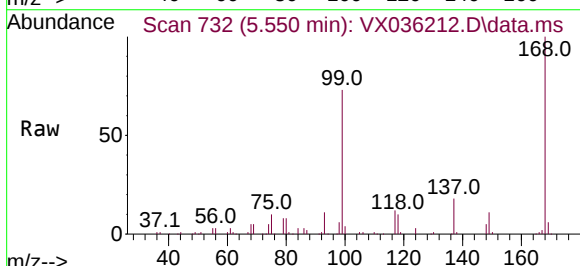
Tgt Ion: 56 Resp: 4664

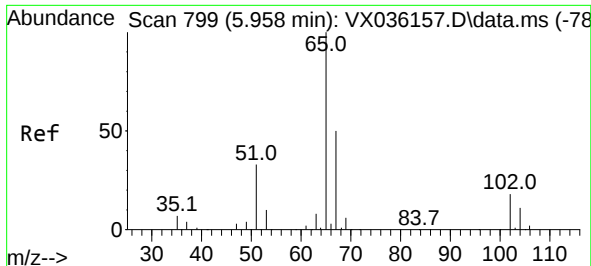
Ion Ratio Lower Upper

56 100

69 172.4 23.4 35.2#

84 104.7 65.9 98.9#

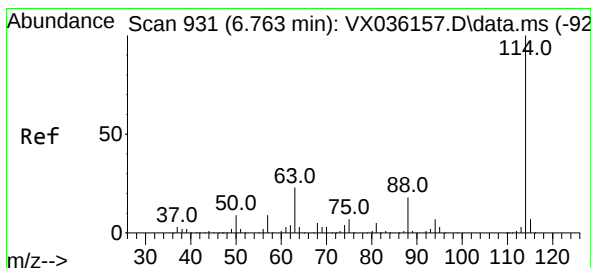
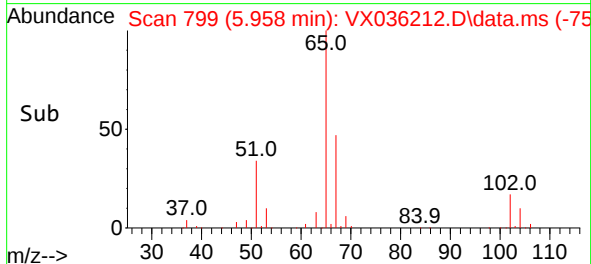
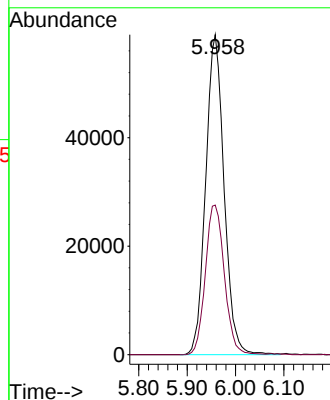
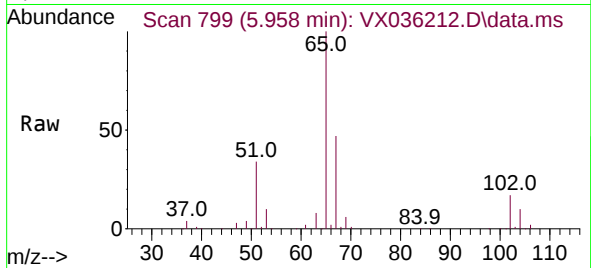




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.845 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX036212.D  
 Acq: 19 Jun 2023 17:38

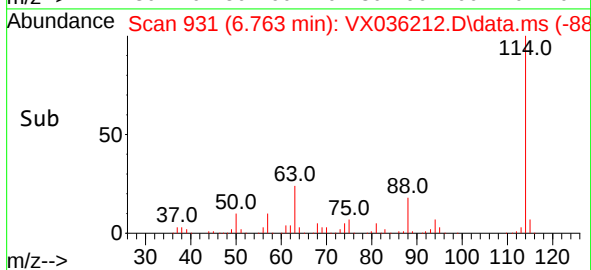
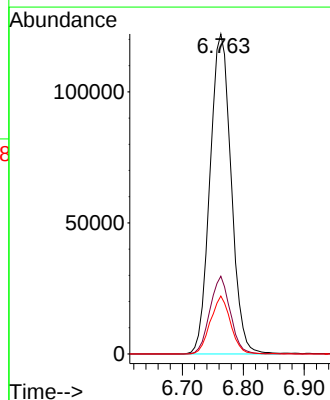
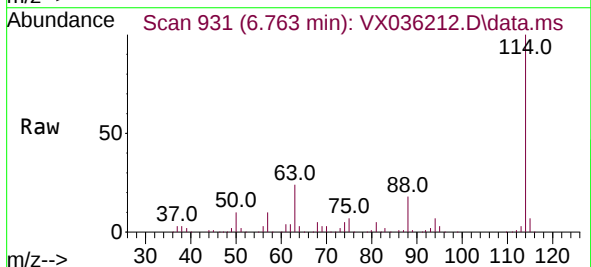
Instrument :  
 MSVOA\_X  
 ClientSampleId :

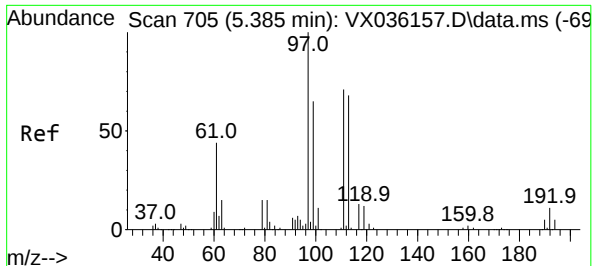
Tgt Ion: 65 Resp: 155619  
 Ion Ratio Lower Upper  
 65 100  
 67 48.4 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX036212.D  
 Acq: 19 Jun 2023 17:38

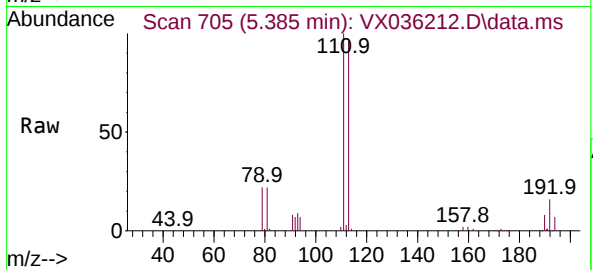
Tgt Ion: 114 Resp: 295140  
 Ion Ratio Lower Upper  
 114 100  
 63 24.3 0.0 45.0  
 88 18.1 0.0 36.6



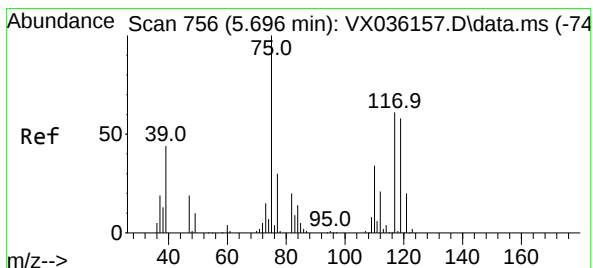
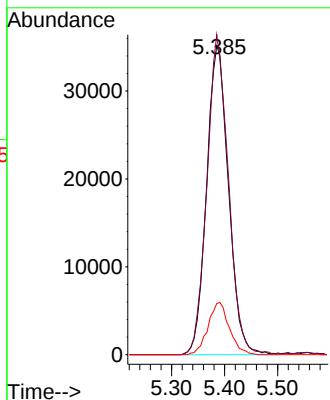
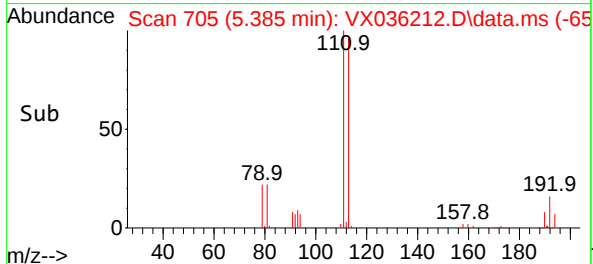


#35  
Dibromofluoromethane  
Concen: 50.555 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Instrument :  
MSVOA\_X  
ClientSampleId :

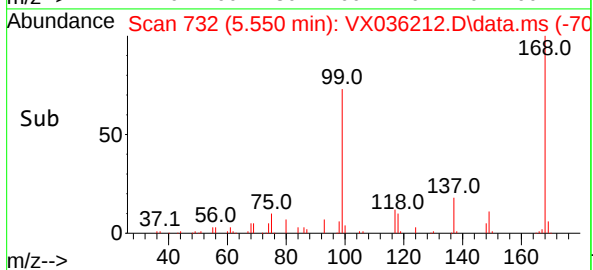
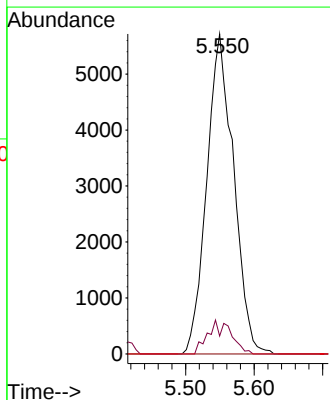
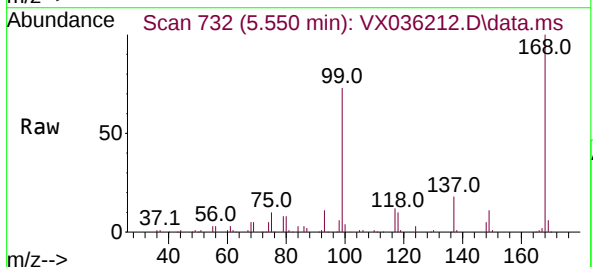


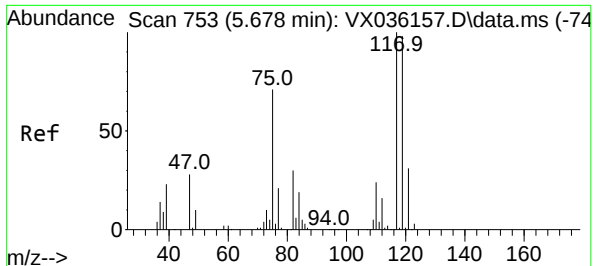
Tgt Ion:113 Resp: 101181  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.9 124.3  
192 16.4 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.277 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

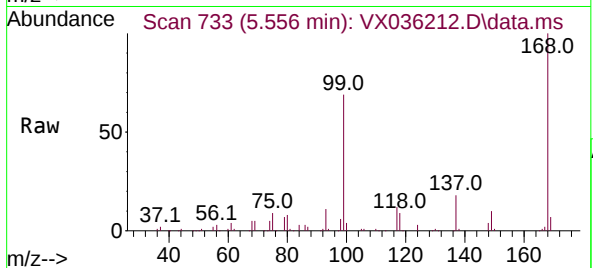
Tgt Ion: 75 Resp: 15557  
Ion Ratio Lower Upper  
75 100  
110 4.8 17.0 50.9#  
77 0.0 24.7 37.1#



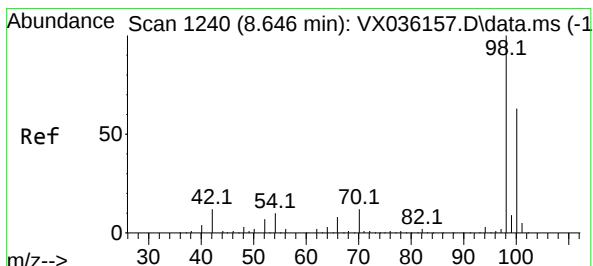
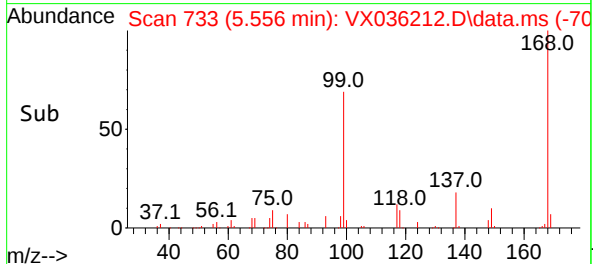
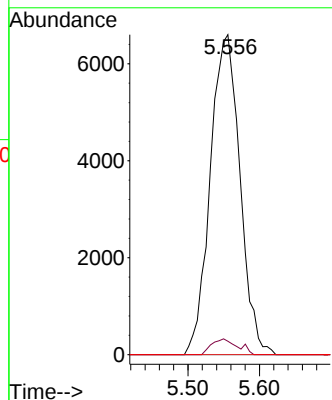


#38  
Carbon Tetrachloride  
Concen: 6.646 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Instrument :  
MSVOA\_X  
ClientSampleId :

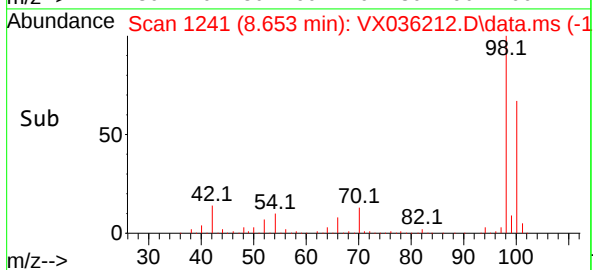
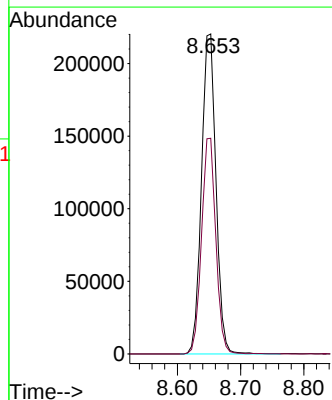
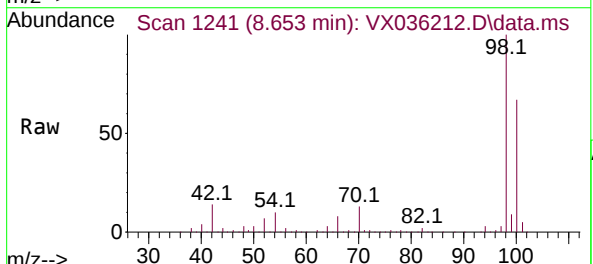


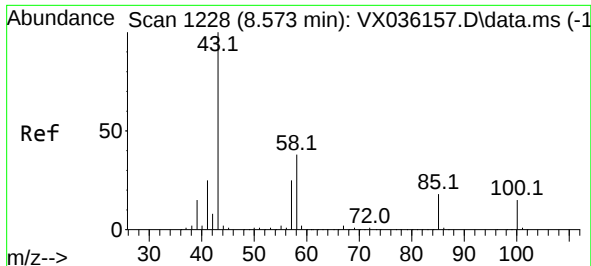
Tgt Ion:117 Resp: 19047  
Ion Ratio Lower Upper  
117 100  
119 4.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 47.951 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.007 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Tgt Ion: 98 Resp: 351048  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7

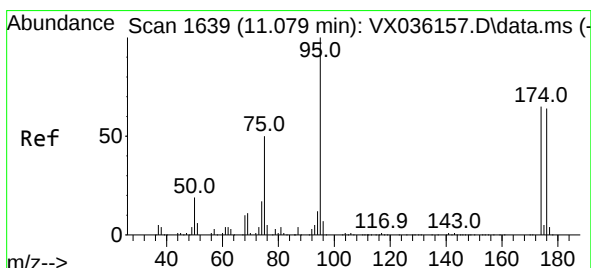
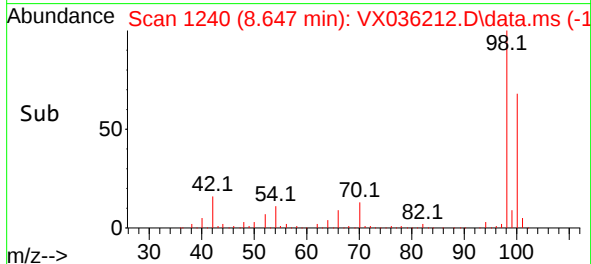
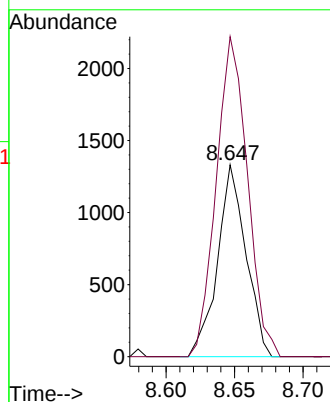
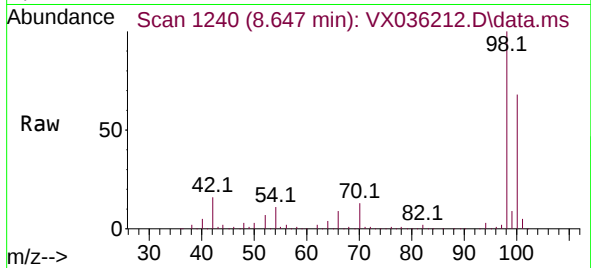




#51  
4-Methyl-2-Pentanone  
Concen: 0.578 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.074 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

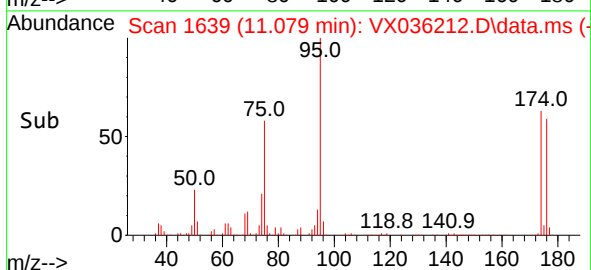
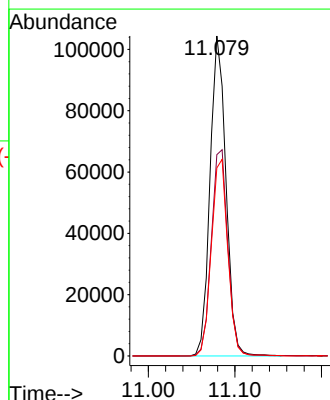
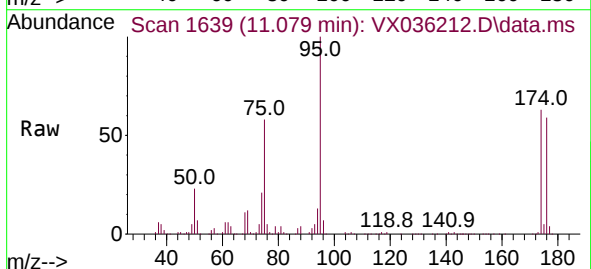
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MSVOA\_X  
ClientSampleId :

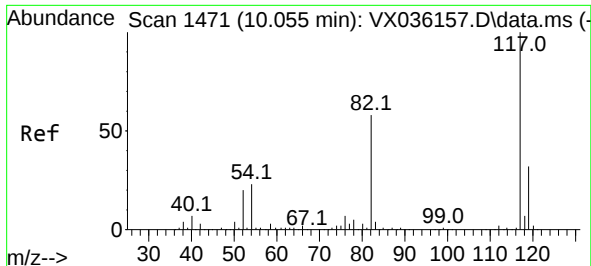
Tgt Ion: 43 Resp: 1919  
Ion Ratio Lower Upper  
43 100  
58 183.5 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 45.054 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

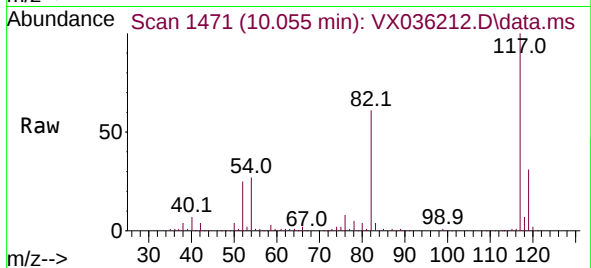
Tgt Ion: 95 Resp: 133141  
Ion Ratio Lower Upper  
95 100  
174 67.0 0.0 135.6  
176 63.6 0.0 131.0



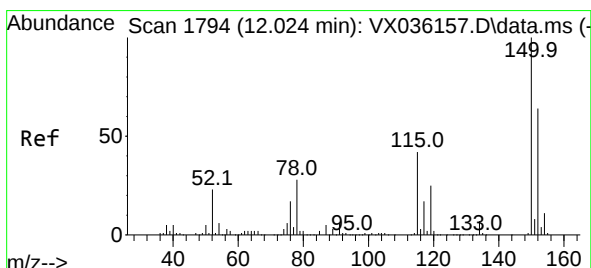
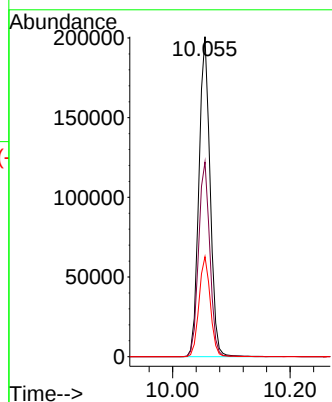
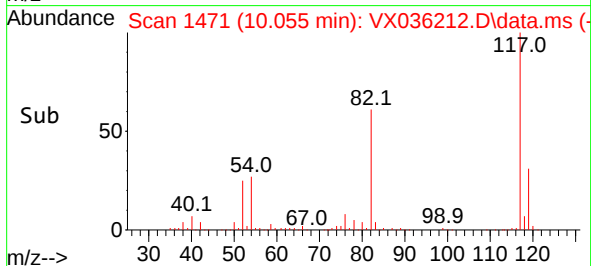


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Instrument :  
MSVOA\_X  
ClientSampleId :

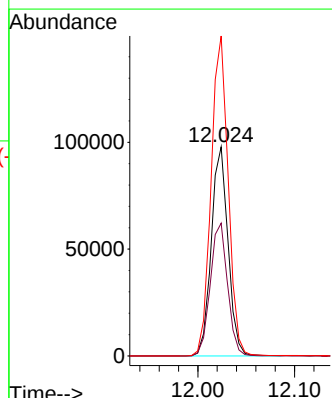
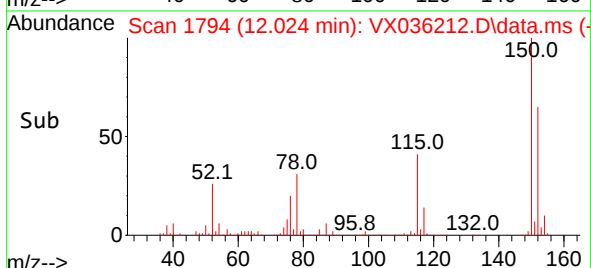
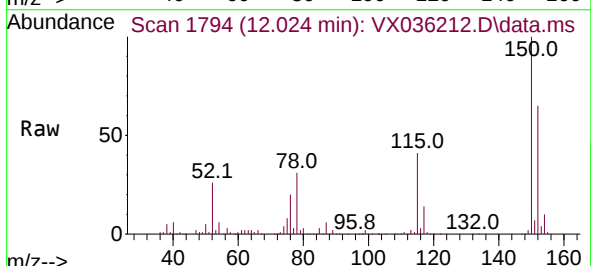


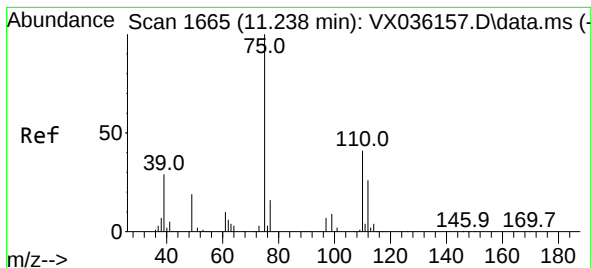
Tgt Ion:117 Resp: 265605  
Ion Ratio Lower Upper  
117 100  
82 60.9 46.2 69.4  
119 31.3 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX036212.D  
Acq: 19 Jun 2023 17:38

Tgt Ion:152 Resp: 117986  
Ion Ratio Lower Upper  
152 100  
115 65.5 43.3 129.9  
150 155.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.157 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036212.D

Acq: 19 Jun 2023 17:38

Instrument :

MSVOA\_X

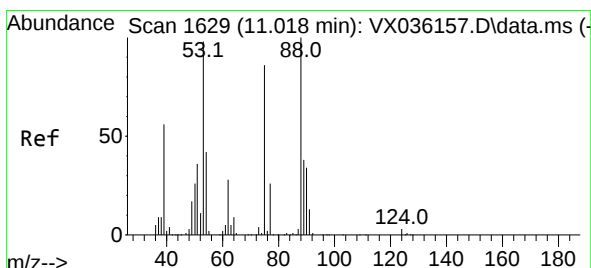
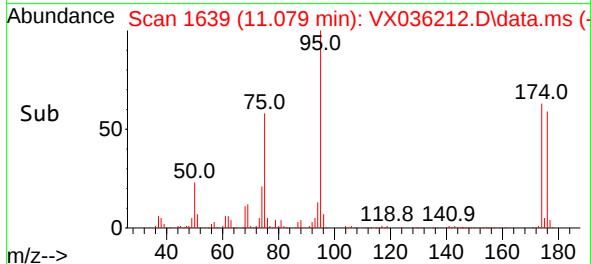
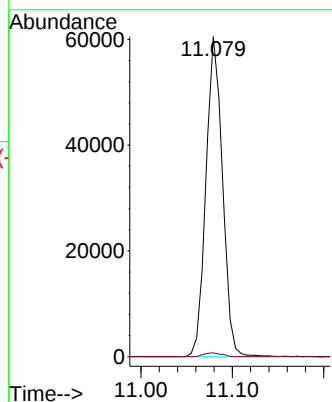
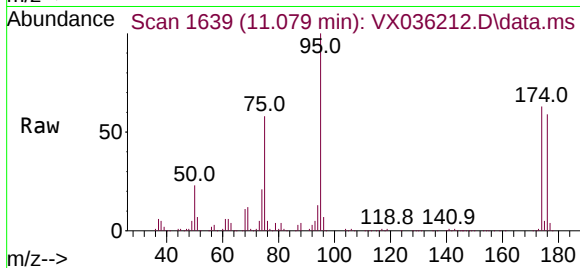
ClientSampleId :

Tgt Ion: 75 Resp: 76044

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.056 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036212.D

Acq: 19 Jun 2023 17:38

Tgt Ion: 75 Resp: 76044

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

