

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082323\  
 Data File : VX037188.D  
 Acq On : 23 Aug 2023 17:05  
 Operator : JC/MD  
 Sample : 04025-07DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP06-20230814DL

Quant Time: Aug 24 05:34:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

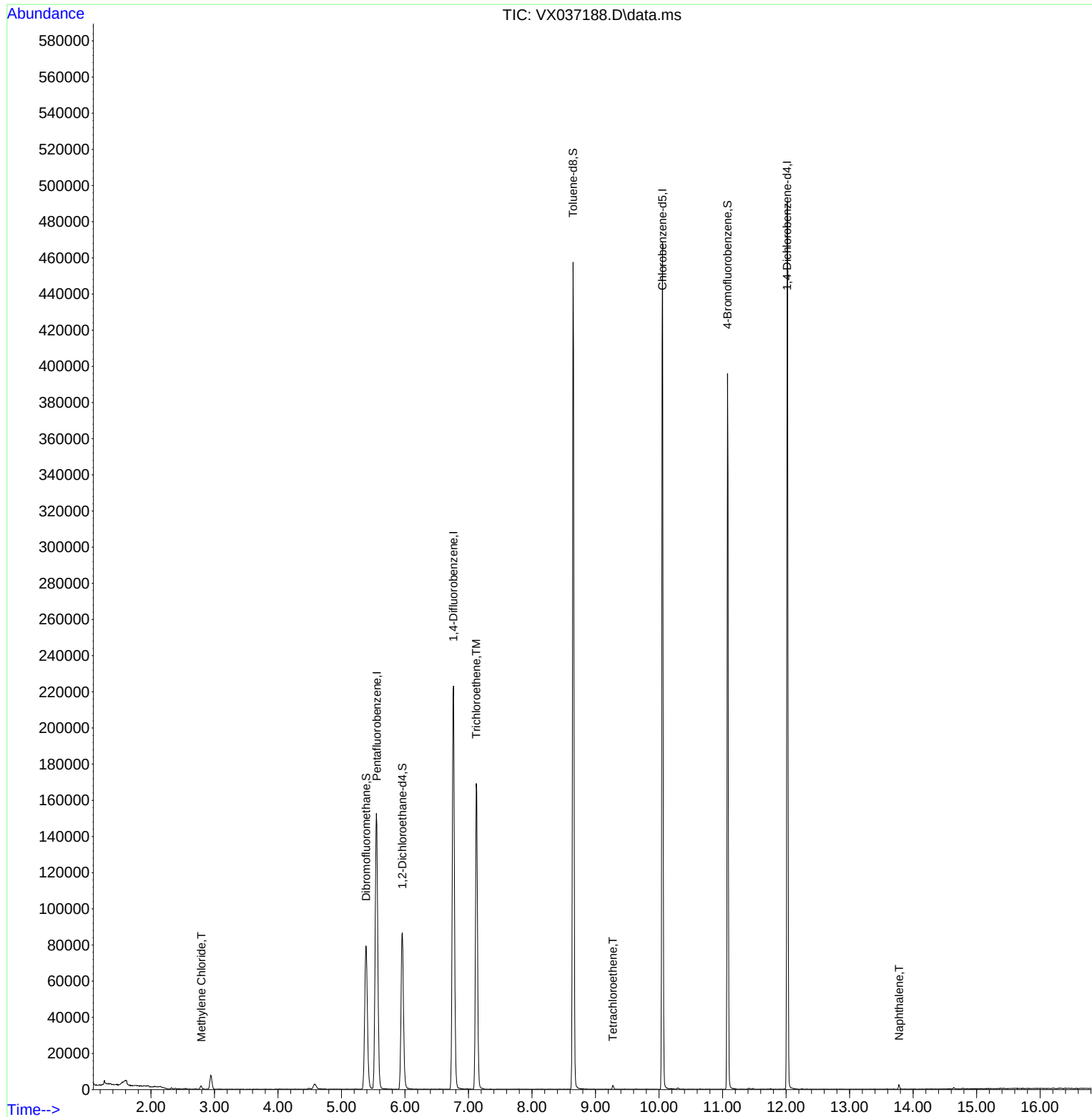
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 141703   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 233156   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 211651   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 101221   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 88825    | 43.480   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 86.960%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 70809    | 45.857   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 91.720%  |
| 50) Toluene-d8              | 8.647  | 98    | 273167   | 48.770   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 97.540%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 107111   | 48.661   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 97.320%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 2.794  | 84    | 942      | 0.527    | ug/l # | 79       |
| 44) Trichloroethene         | 7.123  | 130   | 67019    | 37.565   | ug/l   | 97       |
| 64) Tetrachloroethene       | 9.275  | 164   | 448      | 0.290    | ug/l   | 85       |
| 95) Naphthalene             | 13.780 | 128   | 2350     | 0.278    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

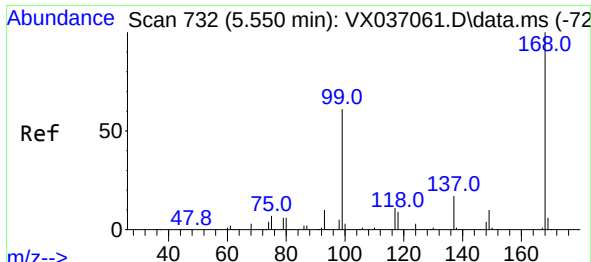
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
DUP06-20230814DL

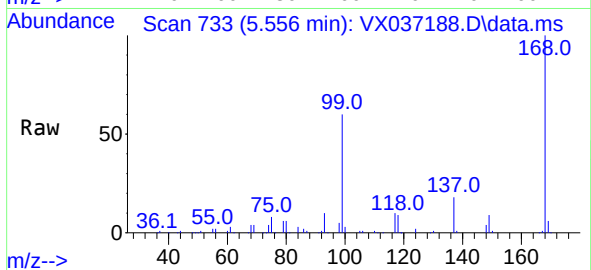
Quant Time: Aug 24 05:34:59 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



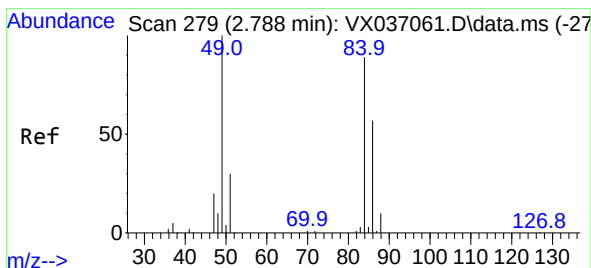
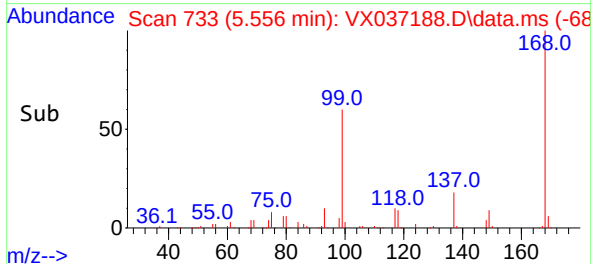
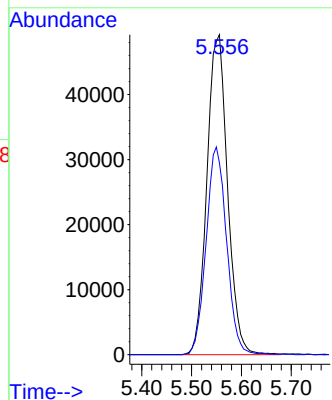


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP06-20230814DL

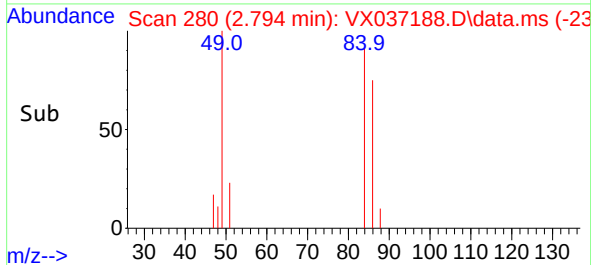
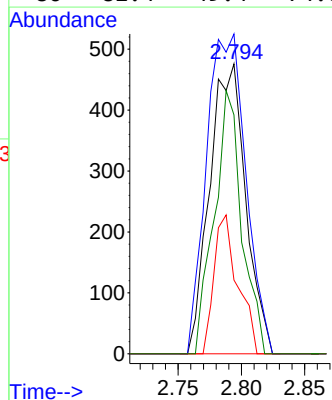
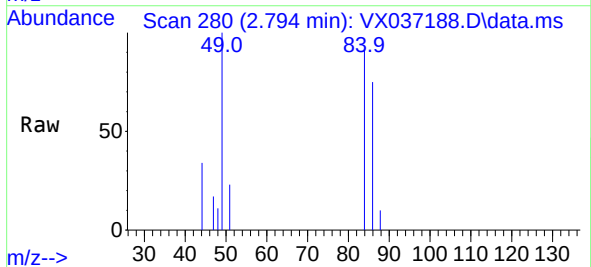


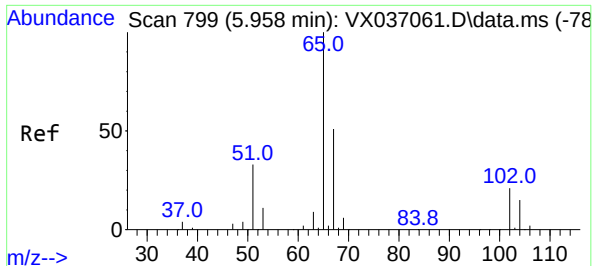
Tgt Ion:168 Resp: 141703  
Ion Ratio Lower Upper  
168 100  
99 60.0 56.6 85.0



#20  
Methylene Chloride  
Concen: 0.527 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Tgt Ion: 84 Resp: 942  
Ion Ratio Lower Upper  
84 100  
49 110.3 103.6 155.4  
51 25.4 33.8 50.6#  
86 82.4 49.4 74.0#

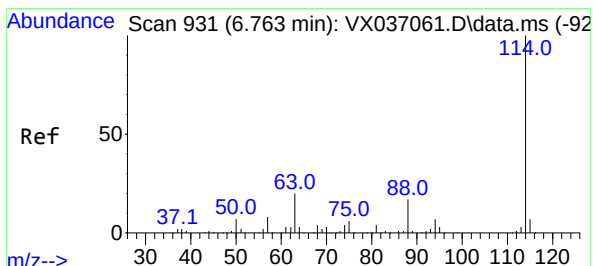
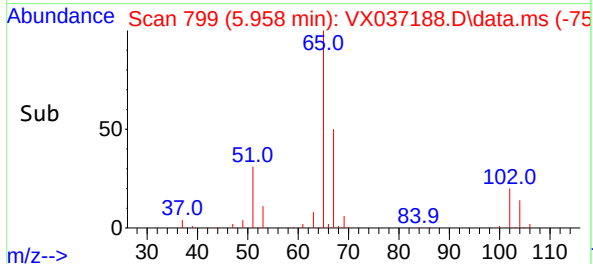
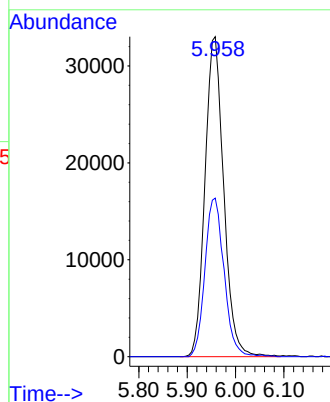
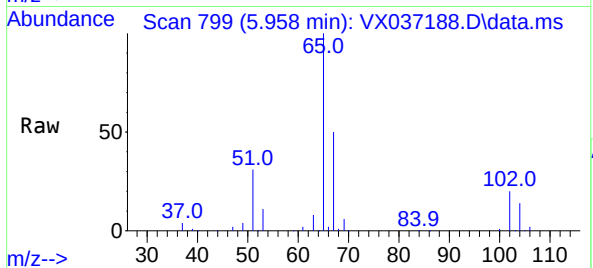




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.480 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. -0.000 min  
 Lab File: VX037188.D  
 Acq: 23 Aug 2023 17:05

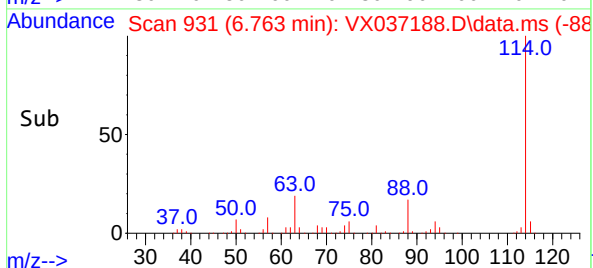
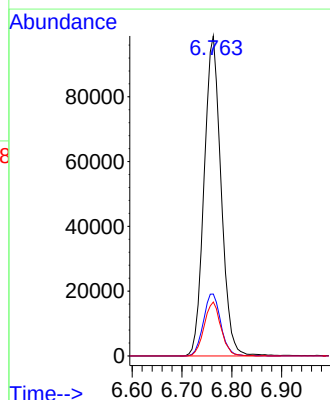
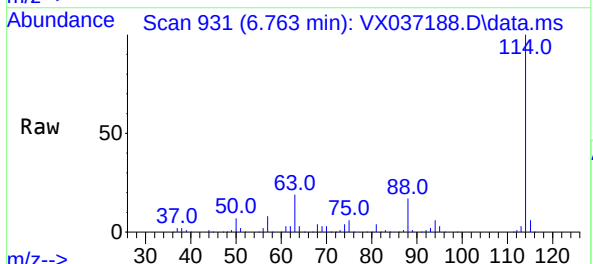
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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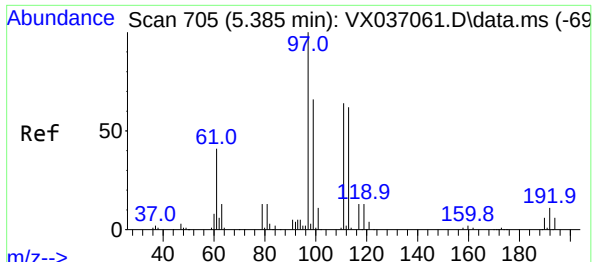
Tgt Ion: 65 Resp: 88825  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 100.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX037188.D  
 Acq: 23 Aug 2023 17:05

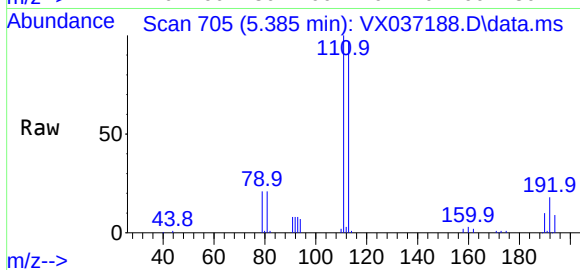
Tgt Ion: 114 Resp: 233156  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 45.0  
 88 16.9 0.0 36.6



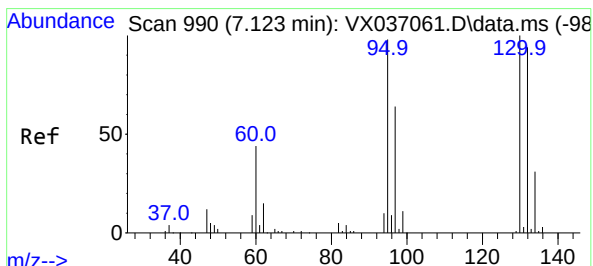
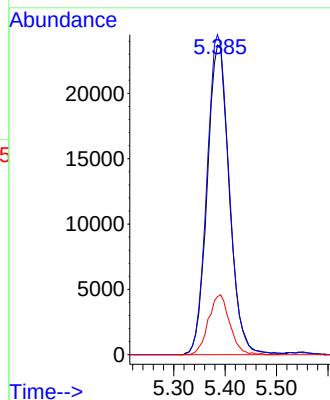
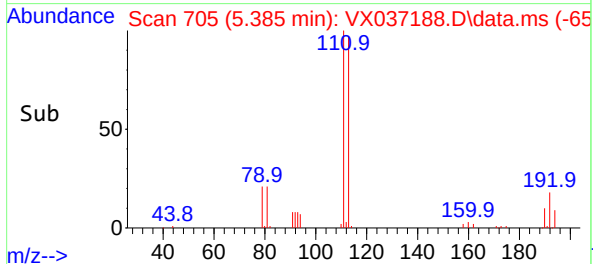


#35  
Dibromofluoromethane  
Concen: 45.857 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
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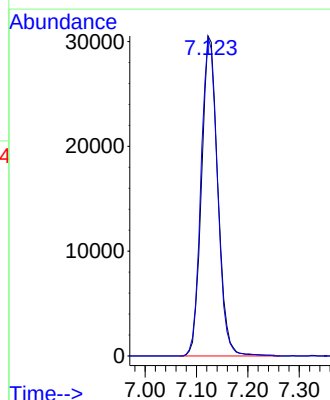
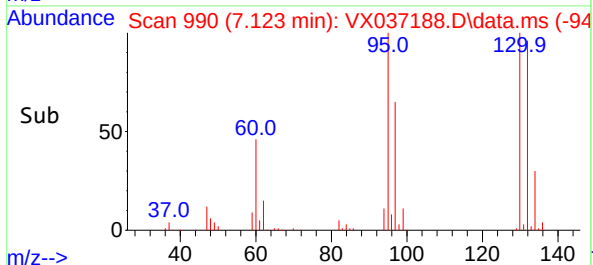
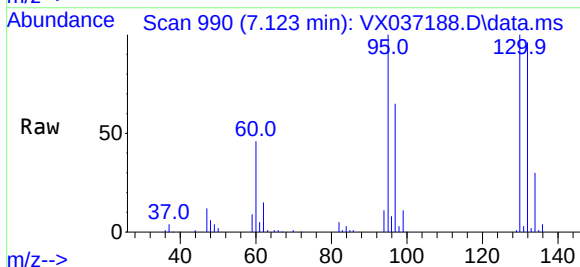


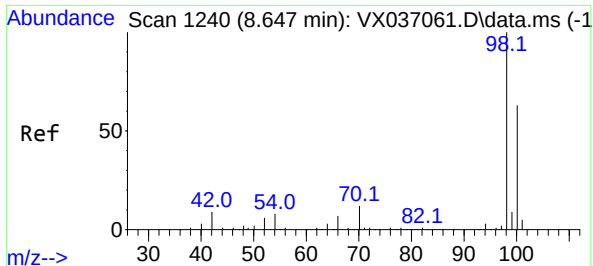
Tgt Ion:113 Resp: 70809  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.9 124.3  
192 18.6 13.3 19.9



#44  
Trichloroethene  
Concen: 37.565 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Tgt Ion:130 Resp: 67019  
Ion Ratio Lower Upper  
130 100  
95 99.7 0.0 204.4

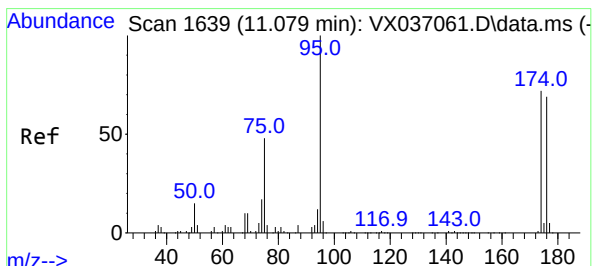
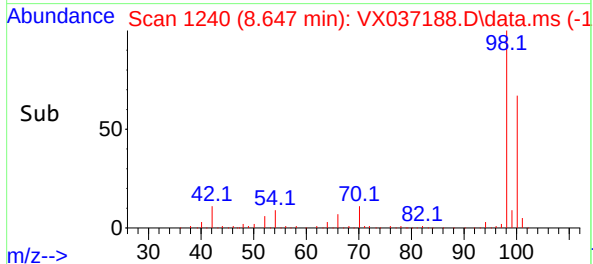
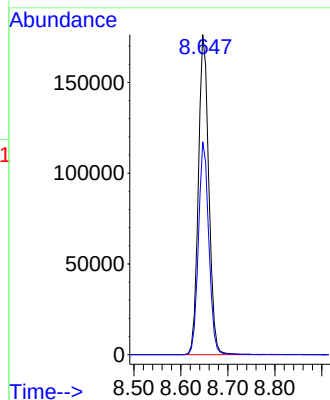
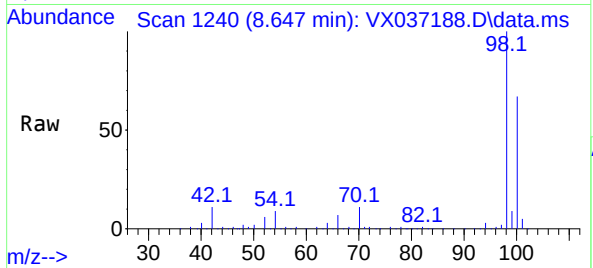




#50  
Toluene-d8  
Concen: 48.770 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

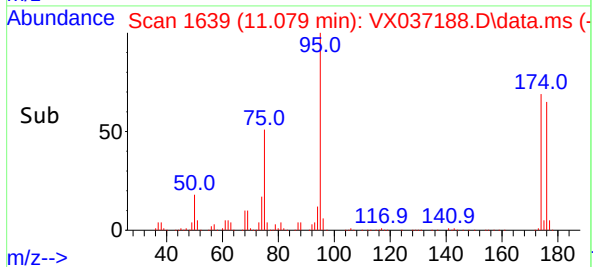
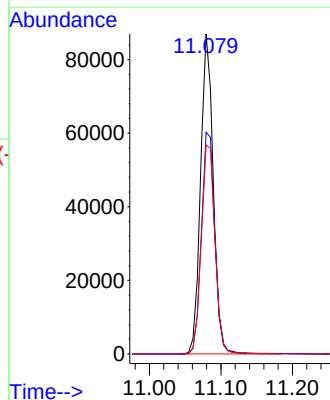
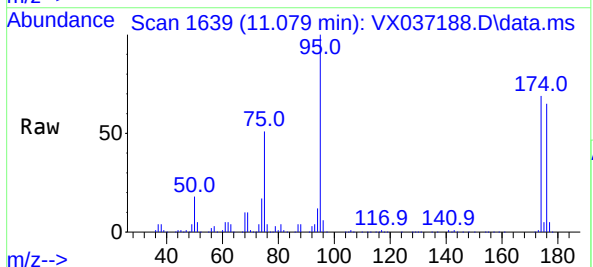
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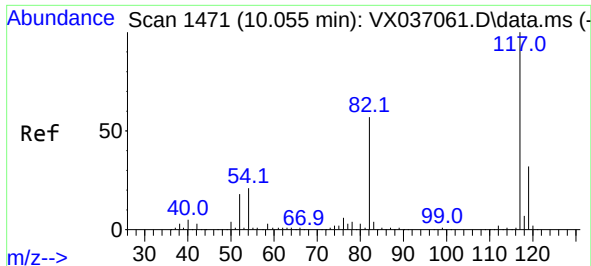
Tgt Ion: 98 Resp: 273167  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 48.661 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Tgt Ion: 95 Resp: 107111  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 135.6  
176 70.5 0.0 131.0

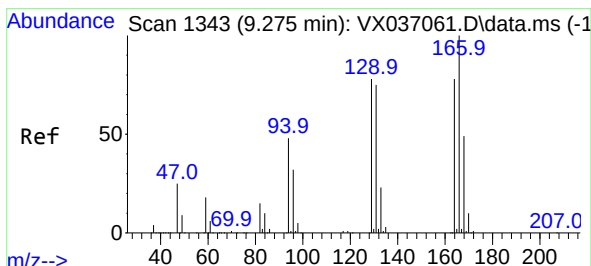
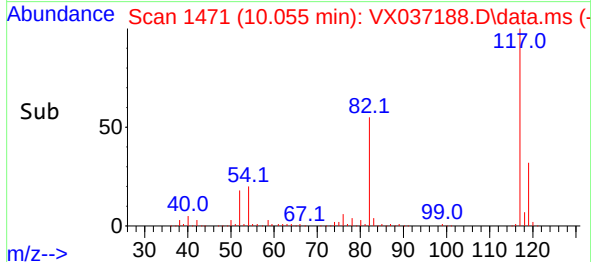
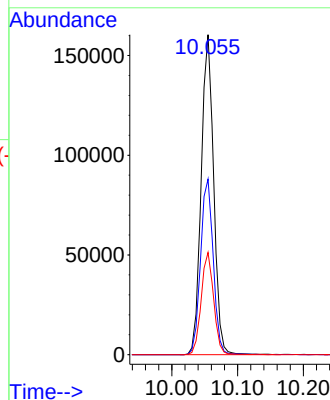
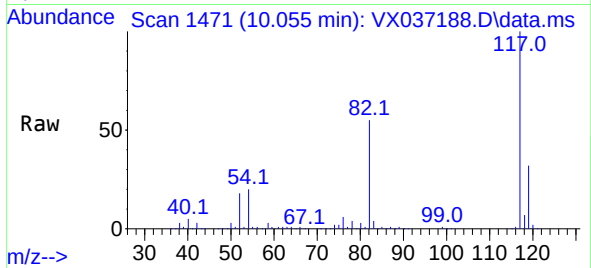




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

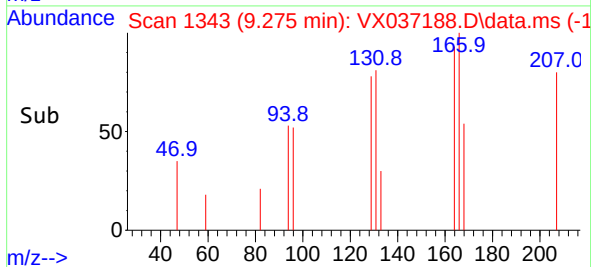
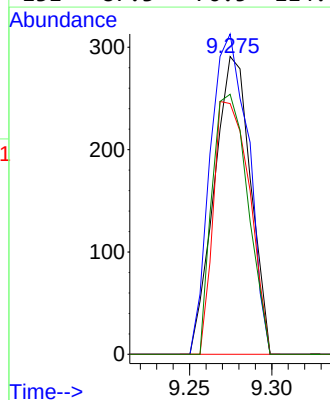
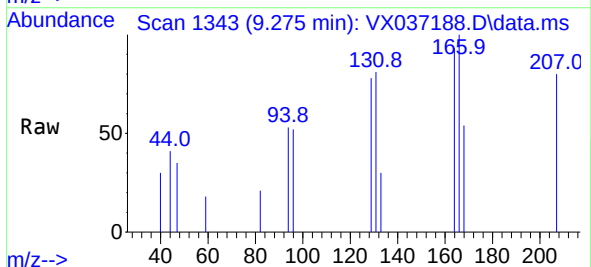
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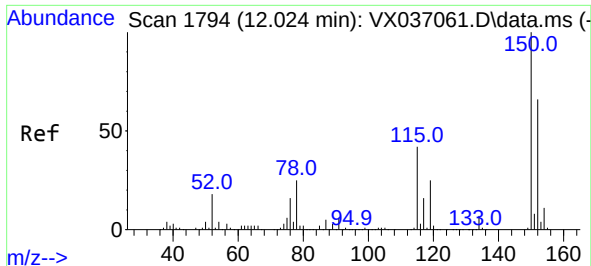
Tgt Ion:117 Resp: 211651  
Ion Ratio Lower Upper  
117 100  
82 54.9 46.2 69.4  
119 31.9 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.290 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Tgt Ion:164 Resp: 448  
Ion Ratio Lower Upper  
164 100  
166 107.6 102.7 154.1  
129 84.2 80.4 120.6  
131 87.3 76.5 114.7

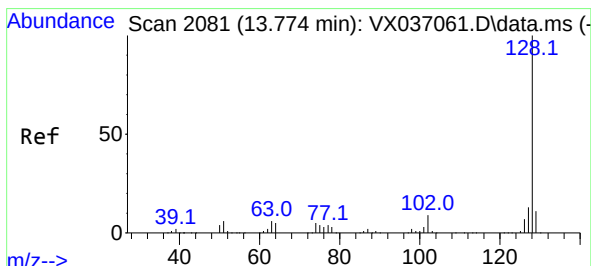
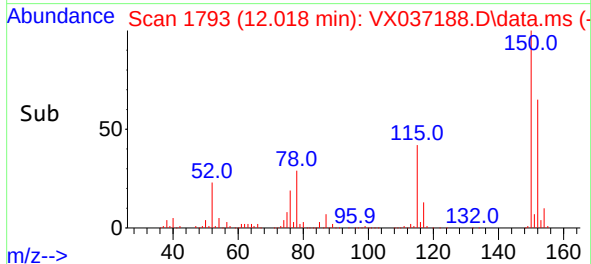
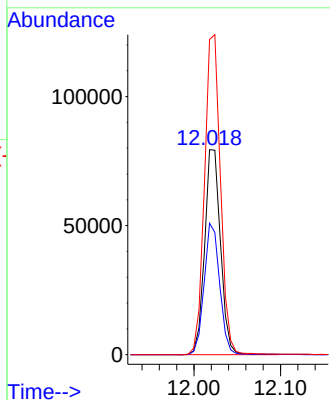
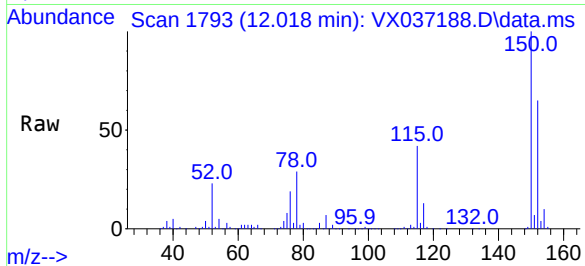




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Instrument :  
MSVOA\_X  
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Tgt Ion:152 Resp: 101221  
Ion Ratio Lower Upper  
152 100  
115 62.9 43.3 129.9  
150 157.4 0.0 345.0



#95  
Naphthalene  
Concen: 0.278 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX037188.D  
Acq: 23 Aug 2023 17:05

Tgt Ion:128 Resp: 2350  
Ion Ratio Lower Upper  
128 100  
127 10.5 10.3 15.5  
129 8.8 8.8 13.2

