

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091521\  
 Data File : VX024260.D  
 Acq On : 15 Sep 2021 15:02  
 Operator : JC/MD  
 Sample : M3708-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Sep 16 04:44:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 14 12:18:04 2021  
 Response via : Initial Calibration

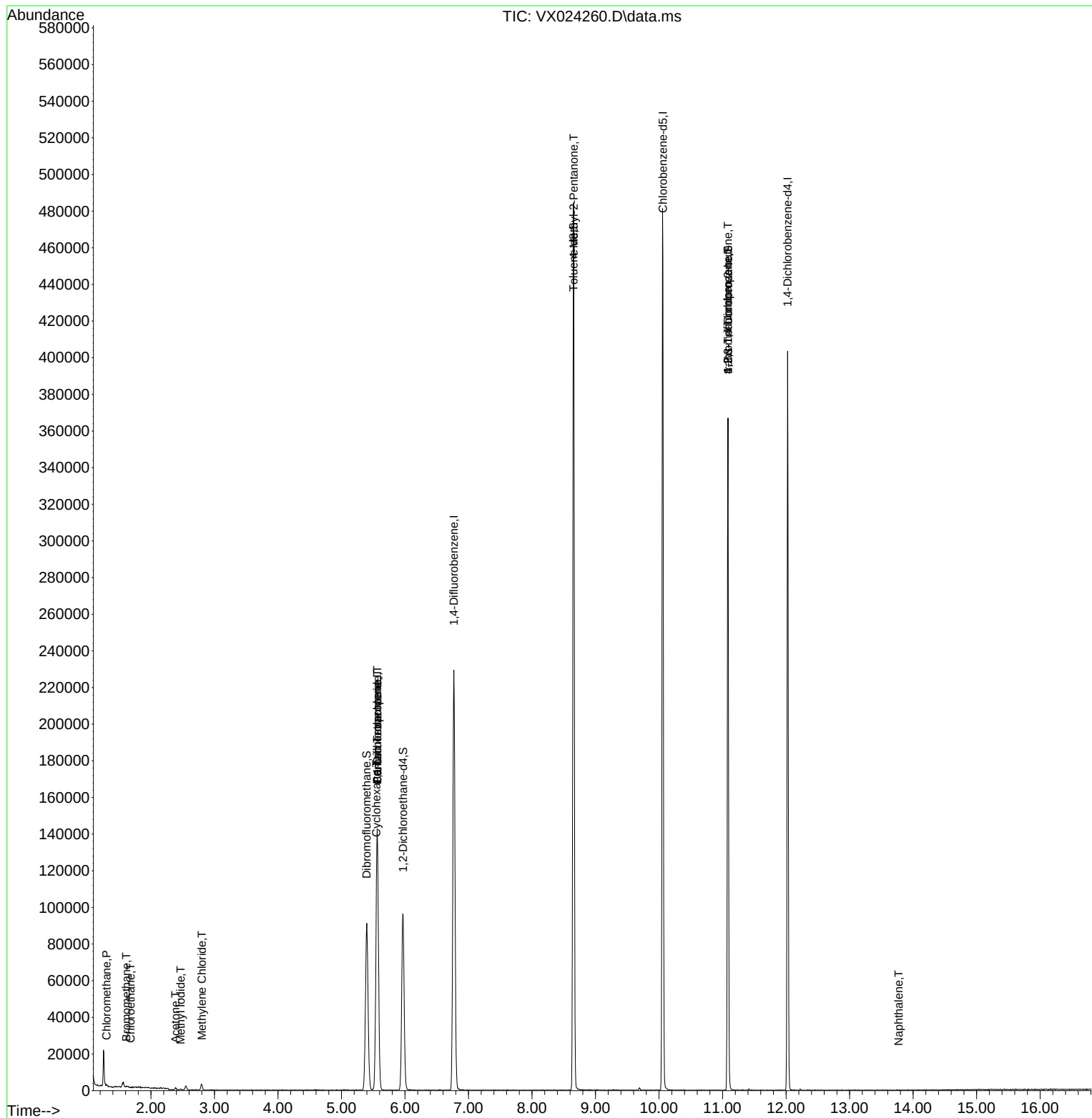
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 130527              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 226149              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061         | 117  | 214747              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 80584               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.970          | 65   | 99279               | 53.339    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 106.680% |           |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 76998               | 50.768    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 101.540% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 279594              | 50.604    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 101.200% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 89471               | 41.611    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 83.220%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 3) Chloromethane              | 1.300          | 50   | 600                 | 0.458     | ug/l   | 100      |
| 5) Bromomethane               | 1.611          | 94   | 569                 | 0.733     | ug/l # | 74       |
| 6) Chloroethane               | 1.678          | 64   | 143                 | 2.132     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.465          | 142  | 491                 | 0.276     | ug/l # | 83       |
| 11) Tert butyl alcohol        | 2.977          | 59   | 140                 | Below Cal | #      | 73       |
| 16) Acetone                   | 2.386          | 43   | 1403                | 1.768     | ug/l # | 75       |
| 20) Methylene Chloride        | 2.800          | 84   | 1514                | 0.993     | ug/l   | 90       |
| 31) Cyclohexane               | 5.550          | 56   | 2900                | 1.332     | ug/l # | 34       |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 10230               | 4.920     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 14009               | 5.986     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.659          | 43   | 1336                | 0.544     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 50037               | 27.004    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 50037               | 79.419    | ug/l # | 12       |
| 95) Naphthalene               | 13.774         | 128  | 43                  | 1.294     | ug/l # | 69       |
| -----                         |                |      |                     |           |        |          |

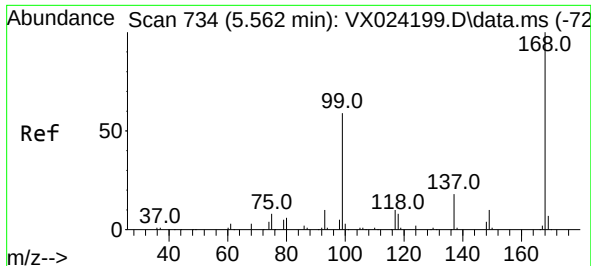
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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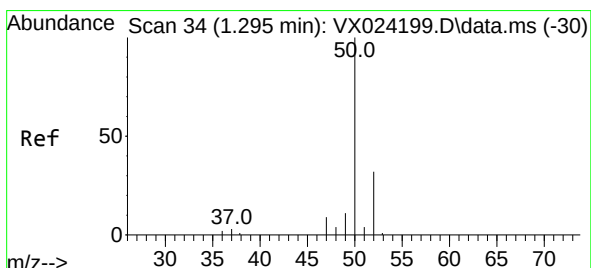
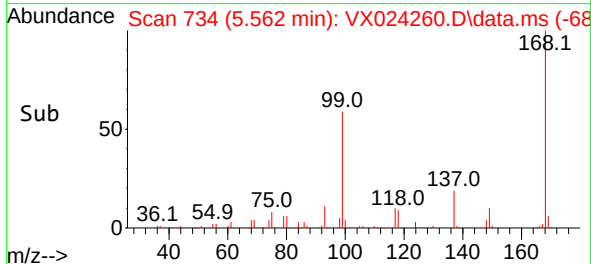
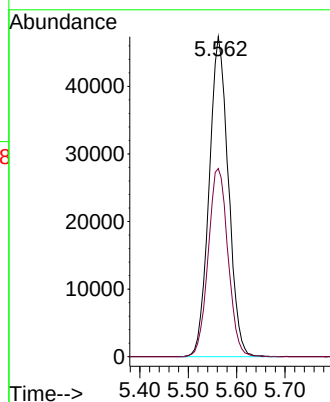
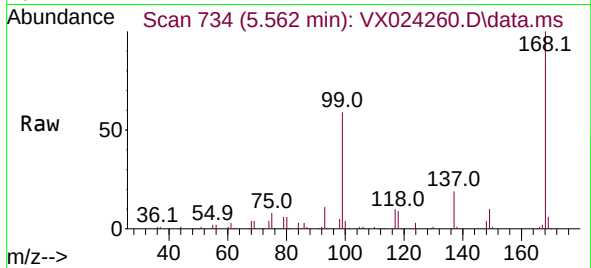




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

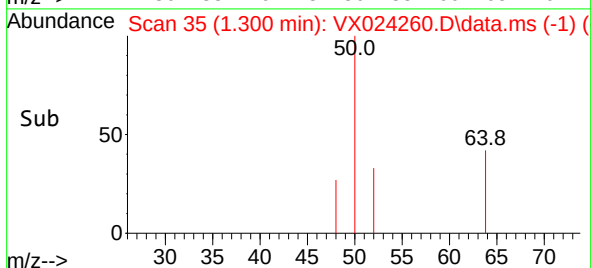
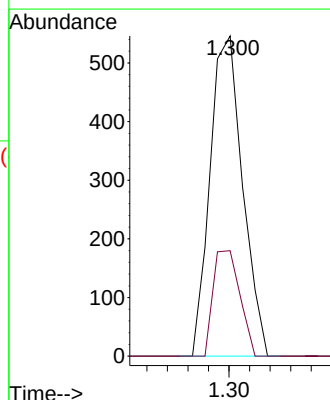
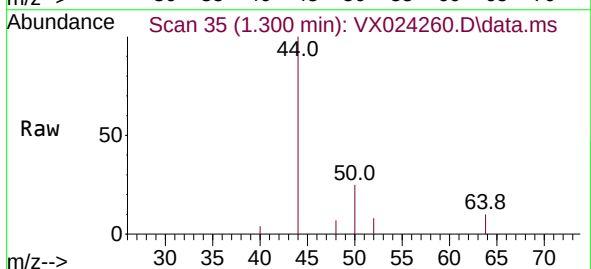
Instrument :  
MSVOA\_X  
ClientSampleId :  
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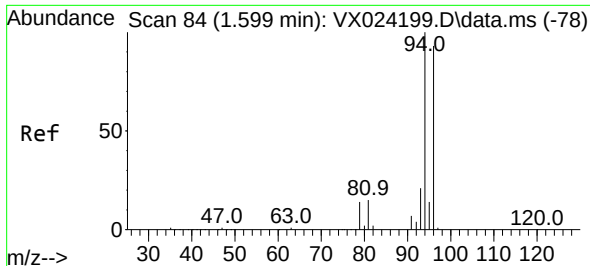
Tgt Ion:168 Resp: 130527  
Ion Ratio Lower Upper  
168 100  
99 58.8 45.8 68.6



#3  
Chloromethane  
Concen: 0.458 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.005 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 50 Resp: 600  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.4 39.6

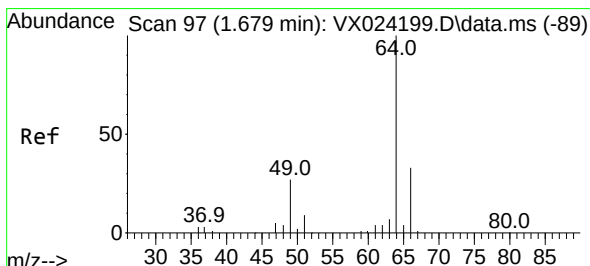
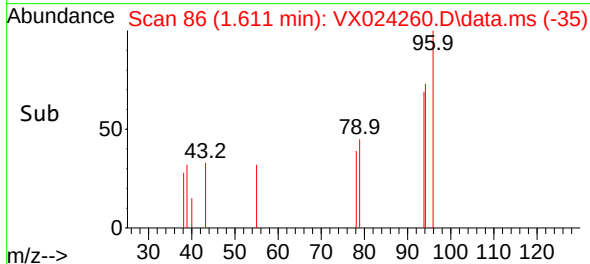
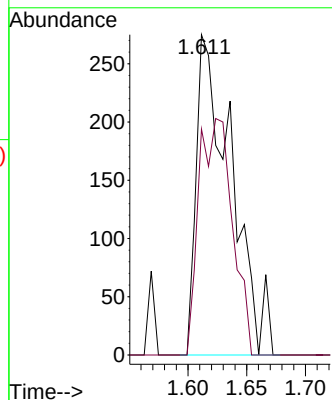
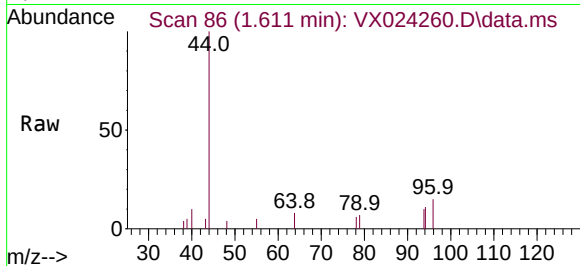




#5  
Bromomethane  
Concen: 0.733 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

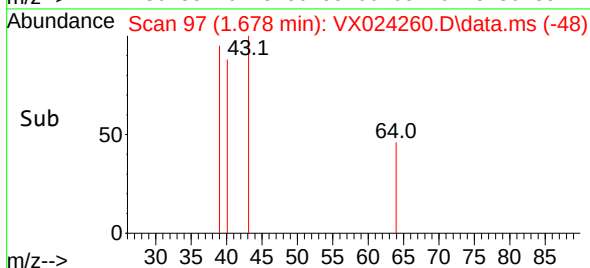
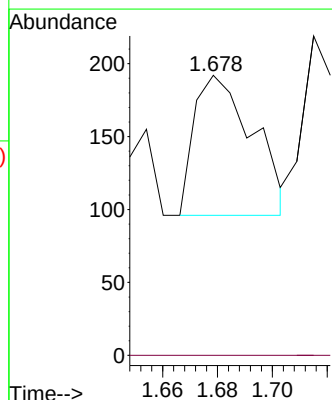
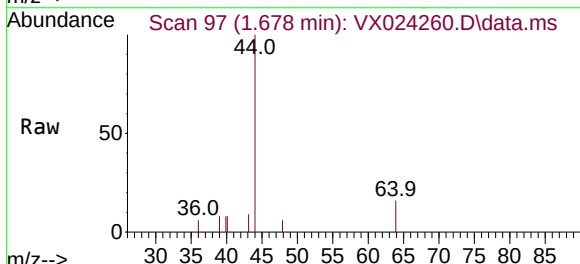
Instrument :  
MSVOA\_X  
ClientSampleId :  
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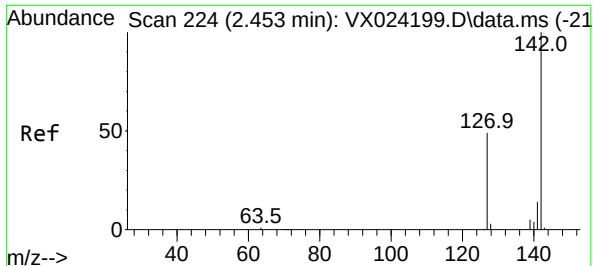
Tgt Ion: 94 Resp: 569  
Ion Ratio Lower Upper  
94 100  
96 70.5 76.4 114.6#



#6  
Chloroethane  
Concen: 2.132 ug/l  
RT: 1.678 min Scan# 97  
Delta R.T. -0.001 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 64 Resp: 143  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#

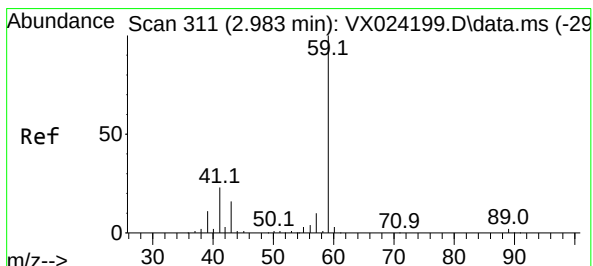
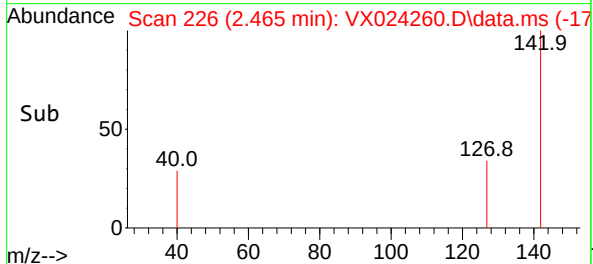
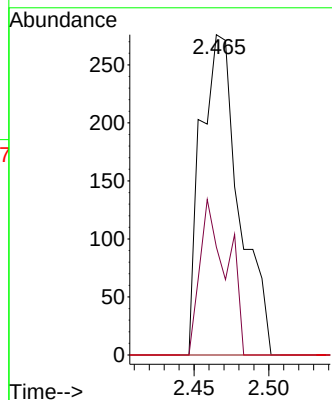
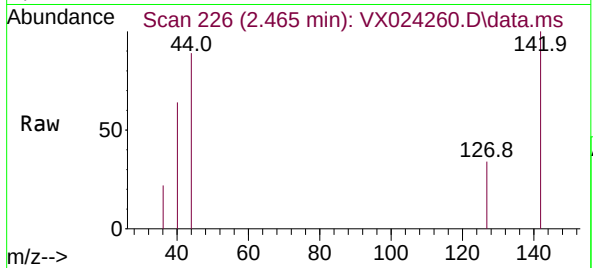




#10  
Methyl Iodide  
Concen: 0.276 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

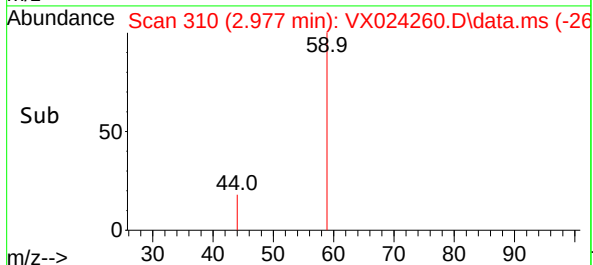
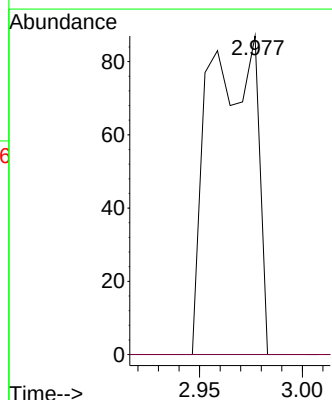
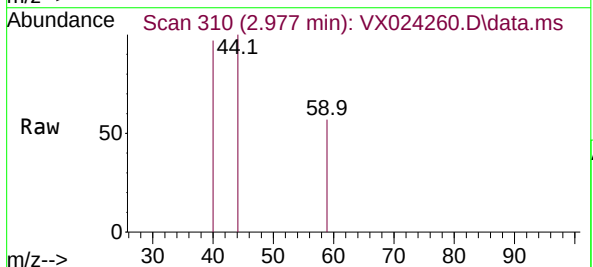
Instrument :  
MSVOA\_X  
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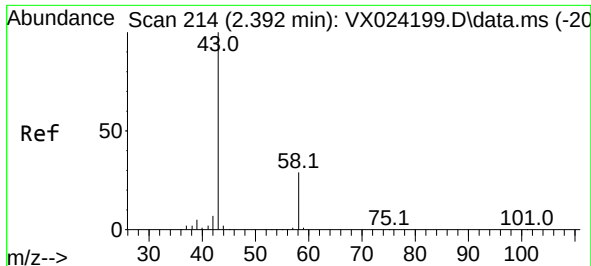
Tgt Ion:142 Resp: 491  
Ion Ratio Lower Upper  
142 100  
127 34.4 33.3 49.9  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.977 min Scan# 310  
Delta R.T. -0.006 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 59 Resp: 140  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

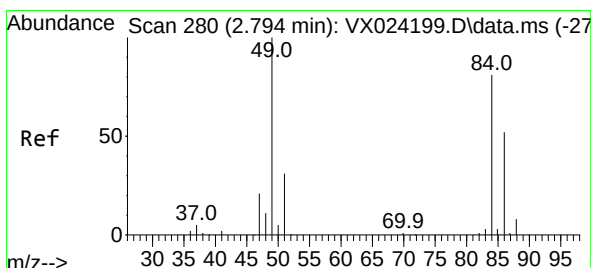
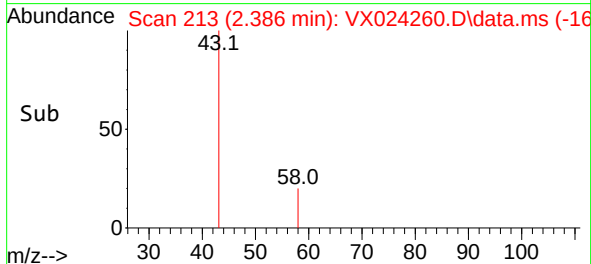
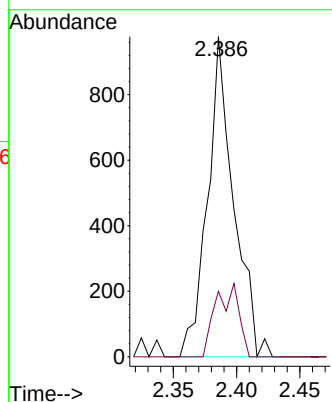
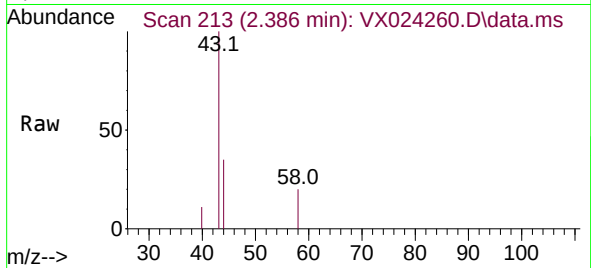




#16  
Acetone  
Concen: 1.768 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

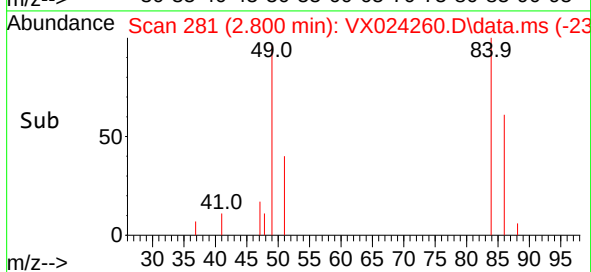
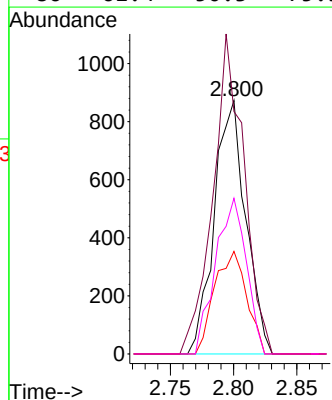
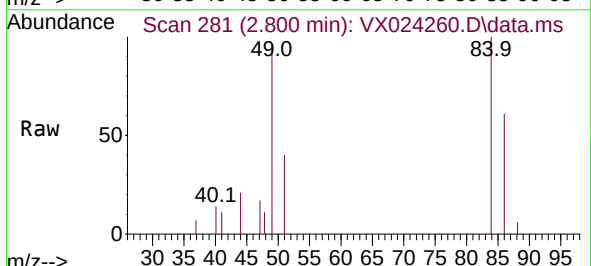
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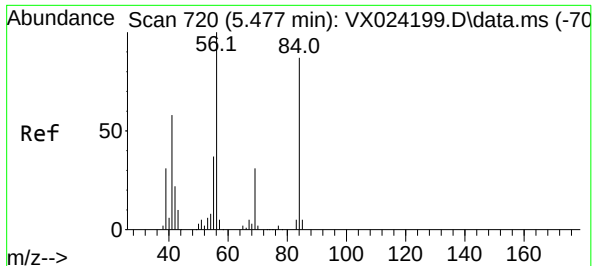
Tgt Ion: 43 Resp: 1403  
Ion Ratio Lower Upper  
43 100  
58 20.5 27.8 41.8#



#20  
Methylene Chloride  
Concen: 0.993 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 84 Resp: 1514  
Ion Ratio Lower Upper  
84 100  
49 95.6 88.6 132.8  
51 40.4 27.0 40.6  
86 61.4 50.3 75.5

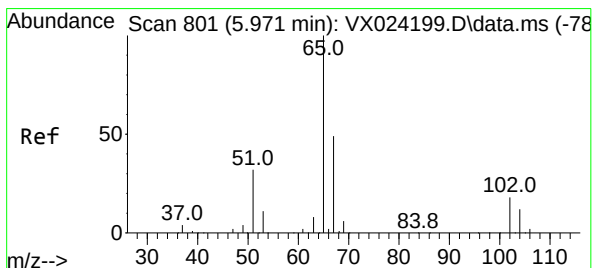
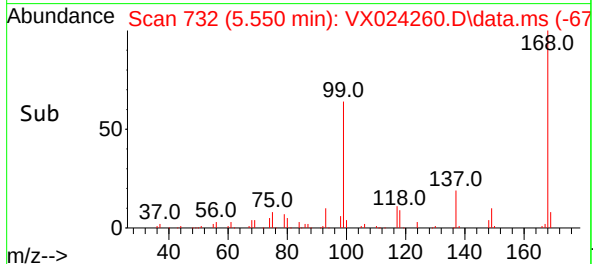
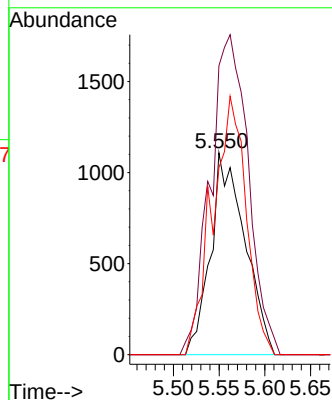
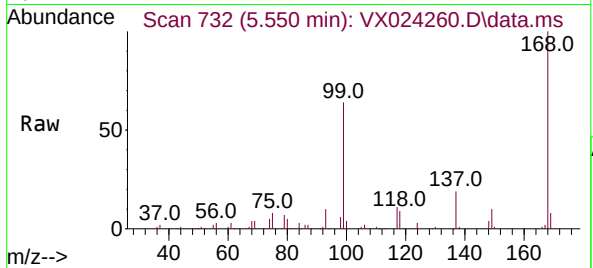




#31  
Cyclohexane  
Concen: 1.332 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.073 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

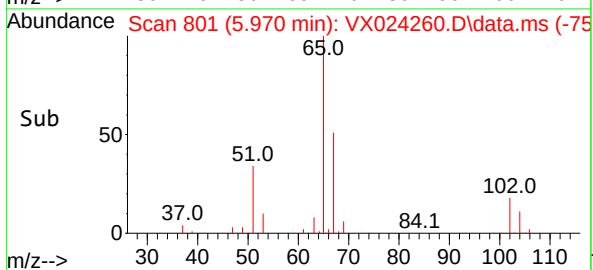
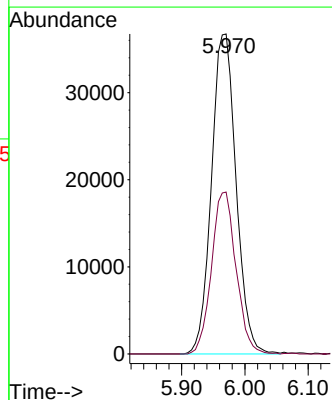
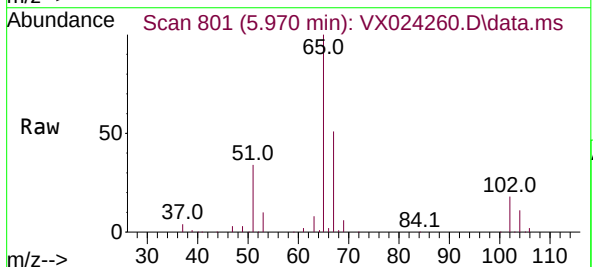
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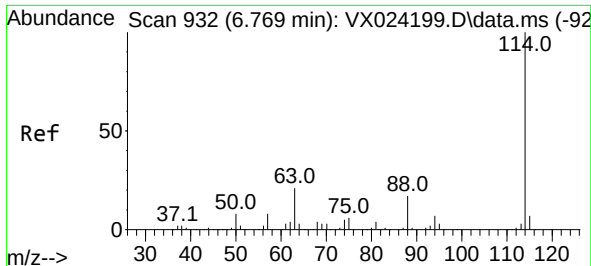
Tgt Ion: 56 Resp: 2900  
Ion Ratio Lower Upper  
56 100  
69 143.1 25.3 37.9#  
84 106.0 71.4 107.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.339 ug/l  
RT: 5.970 min Scan# 801  
Delta R.T. -0.001 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 65 Resp: 99279  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 105.4

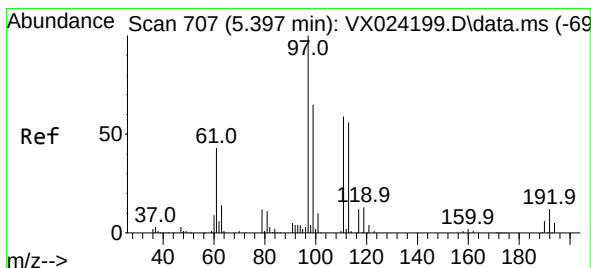
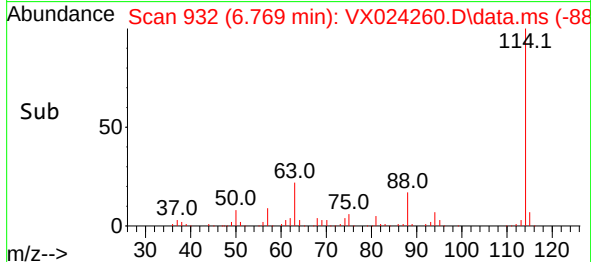
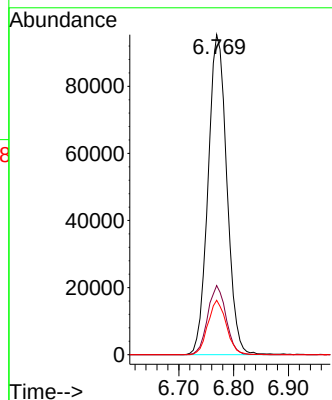
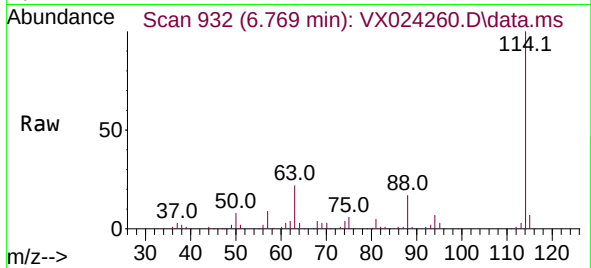




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

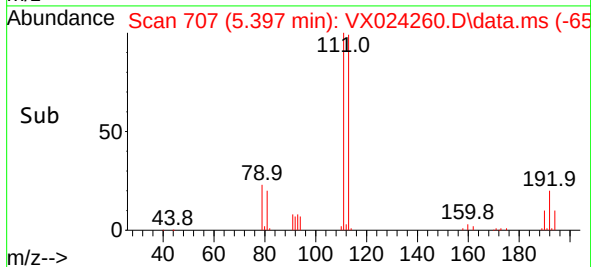
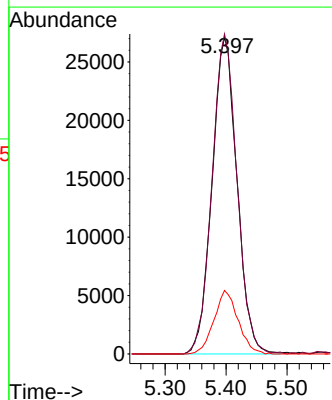
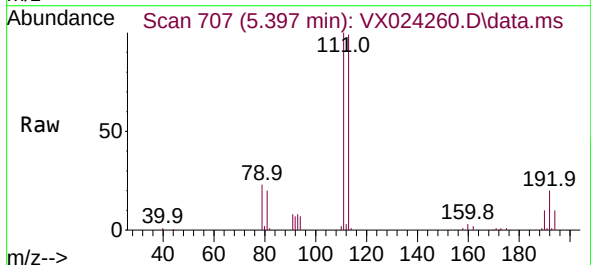
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Tgt Ion:114 Resp: 226149  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 40.8  
88 17.0 0.0 32.8

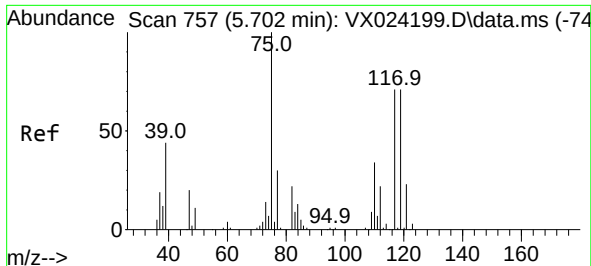


#35  
Dibromofluoromethane  
Concen: 50.768 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion:113 Resp: 76998  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.9 122.9  
192 19.4 16.7 25.1



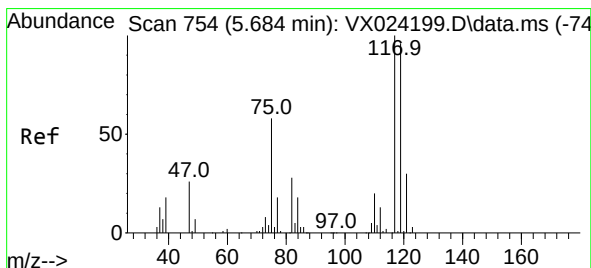
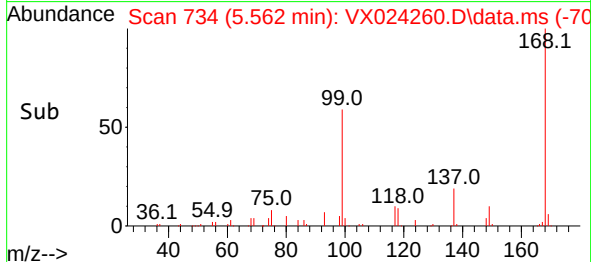
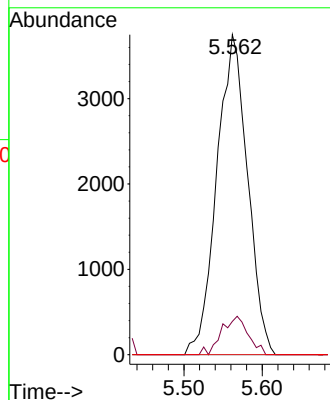
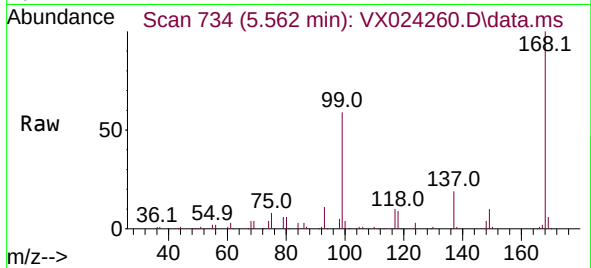




#36  
1,1-Dichloropropene  
Concen: 4.920 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

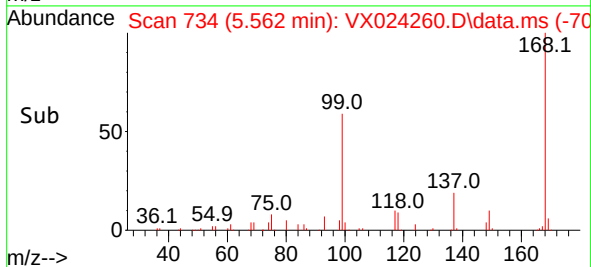
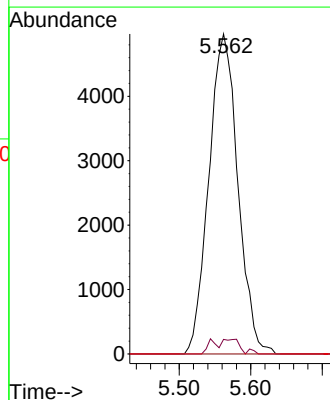
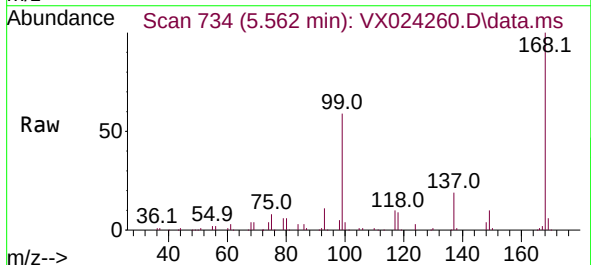
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

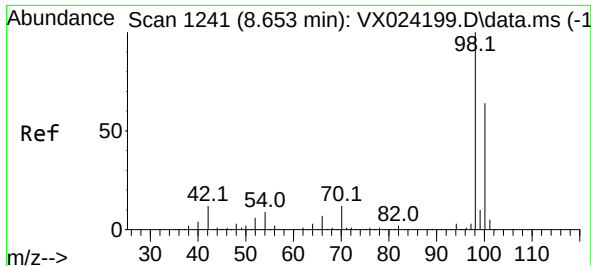
Tgt Ion: 75 Resp: 10230  
Ion Ratio Lower Upper  
75 100  
110 10.4 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.986 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 117 Resp: 14009  
Ion Ratio Lower Upper  
117 100  
119 4.5 76.2 114.2#  
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.604 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024260.D

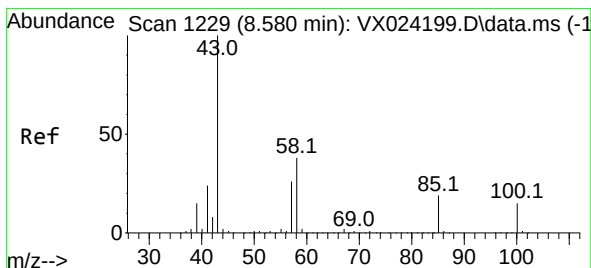
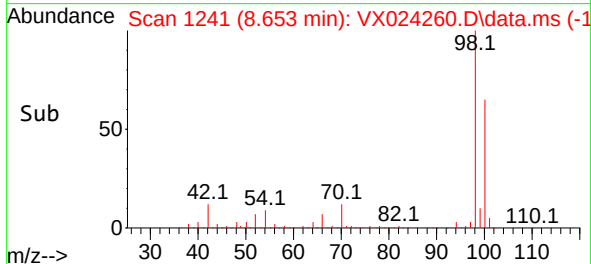
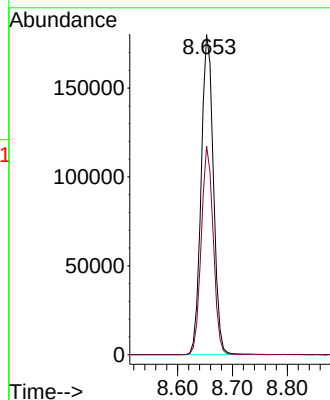
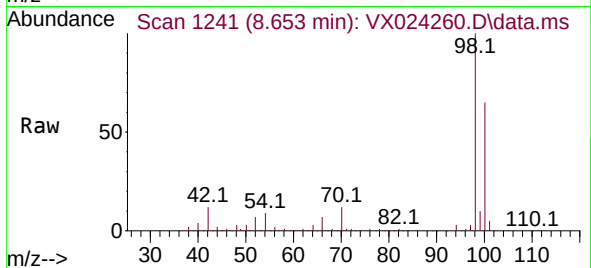
Acq: 15 Sep 2021 15:02

Tgt Ion: 98 Resp: 279594

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.544 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.079 min

Lab File: VX024260.D

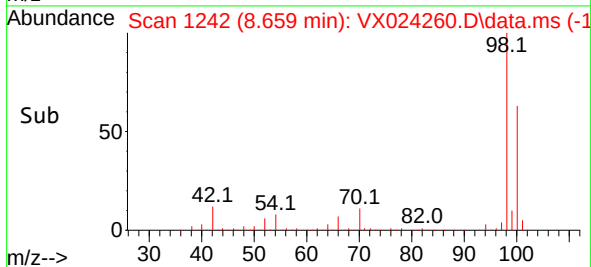
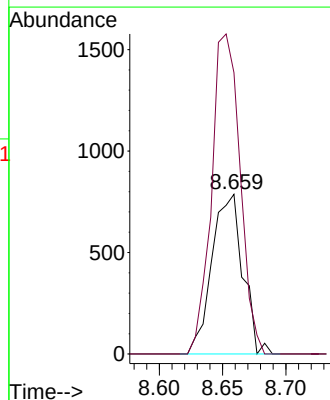
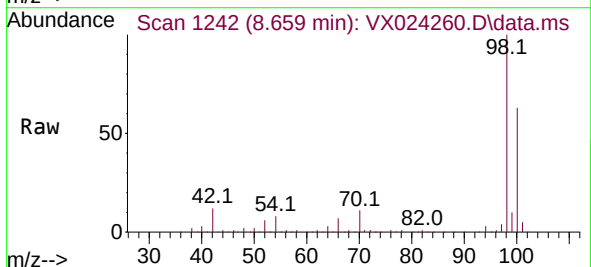
Acq: 15 Sep 2021 15:02

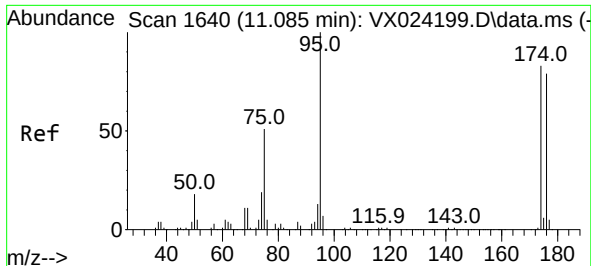
Tgt Ion: 43 Resp: 1336

Ion Ratio Lower Upper

43 100

58 185.4 35.4 53.0#

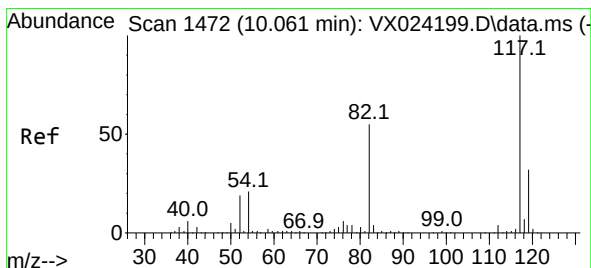
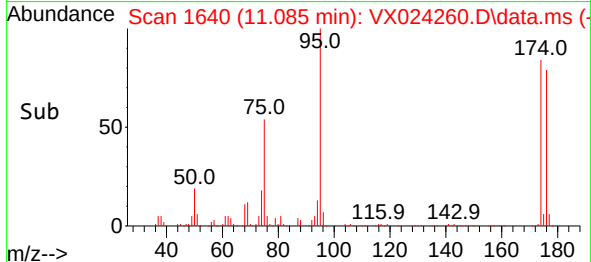
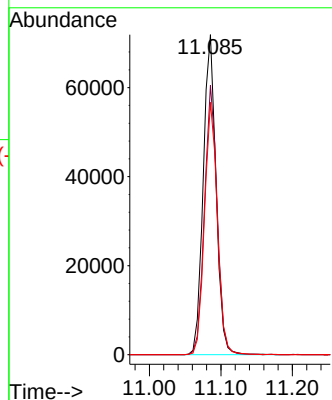
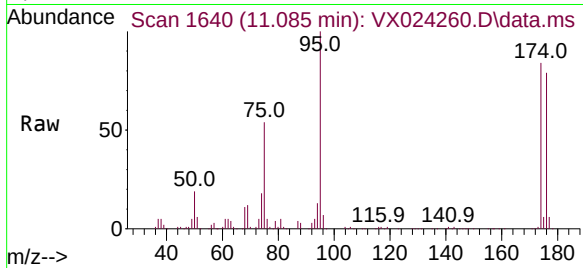




#62  
4-Bromofluorobenzene  
Concen: 41.611 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

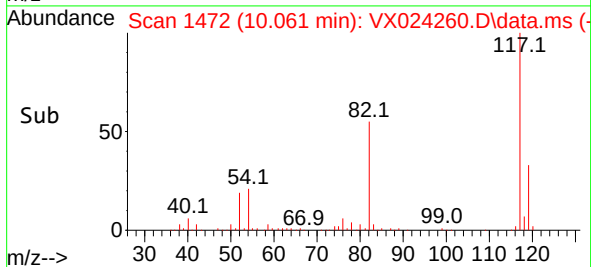
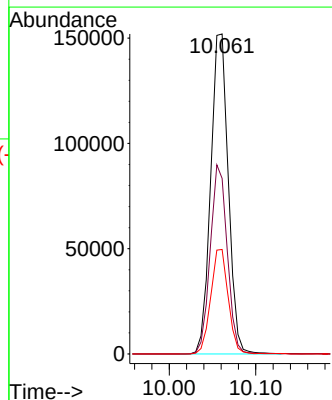
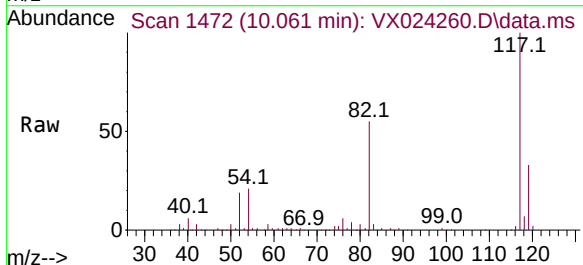
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

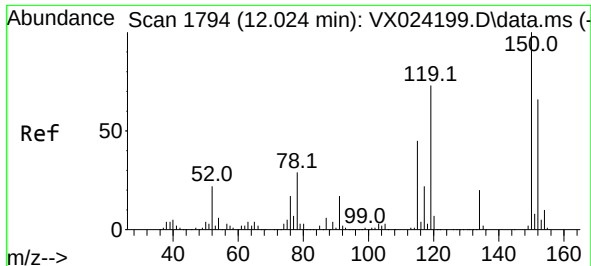
Tgt Ion: 95 Resp: 89471  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 154.6  
176 79.2 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 117 Resp: 214747  
Ion Ratio Lower Upper  
117 100  
82 54.8 47.4 71.2  
119 32.7 26.6 39.8

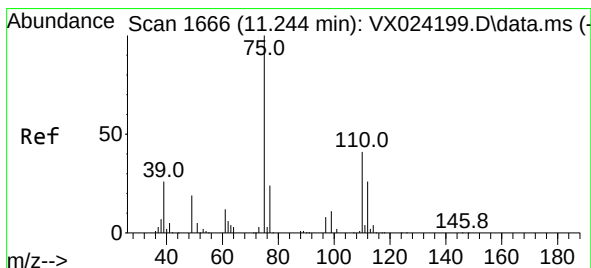
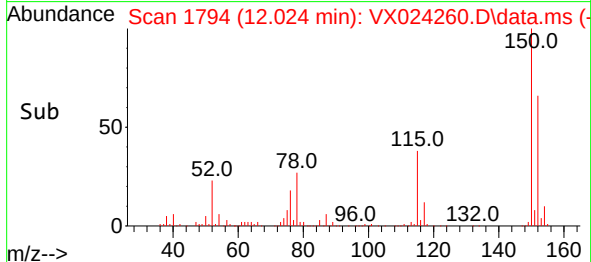
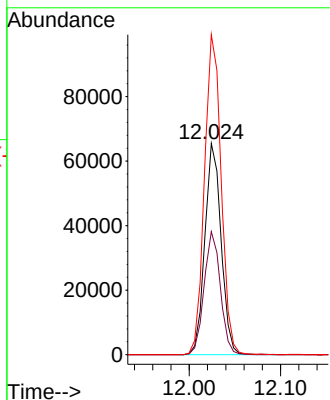
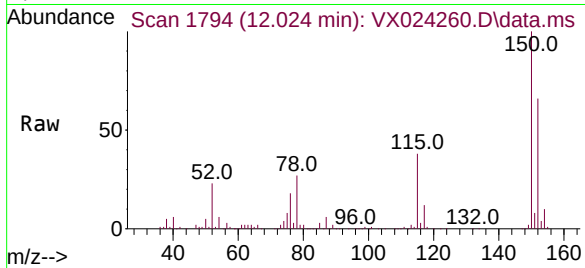




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024260.D  
 Acq: 15 Sep 2021 15:02

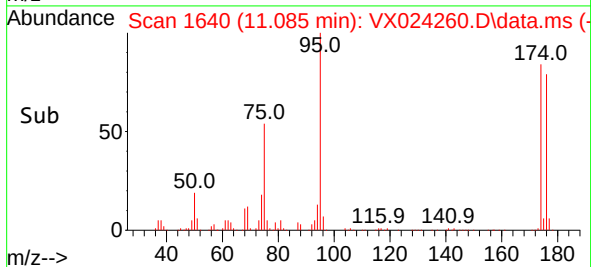
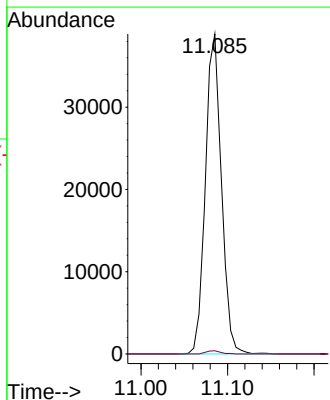
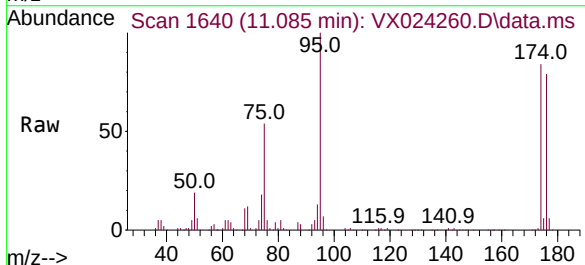
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

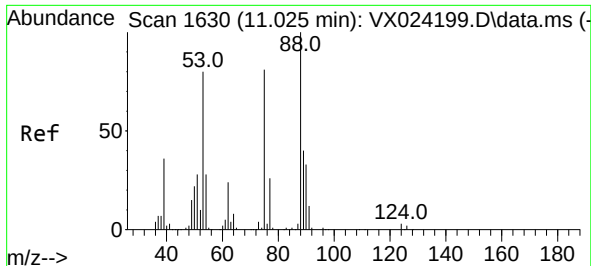
Tgt Ion:152 Resp: 80584  
 Ion Ratio Lower Upper  
 152 100  
 115 58.1 41.1 123.3  
 150 155.5 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 27.004 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX024260.D  
 Acq: 15 Sep 2021 15:02

Tgt Ion: 75 Resp: 50037  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 19.1 57.5#

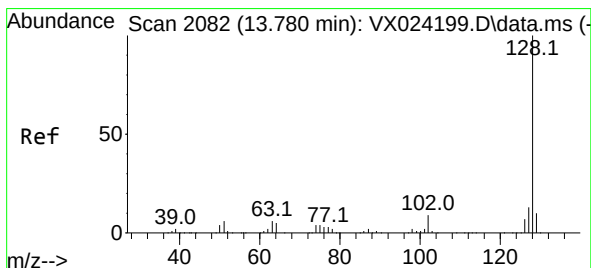
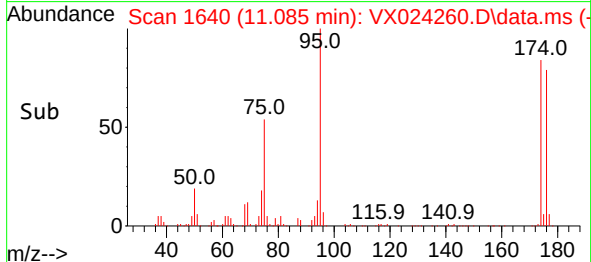
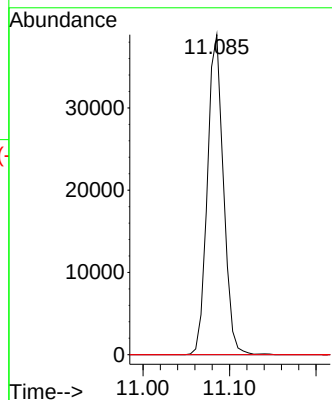
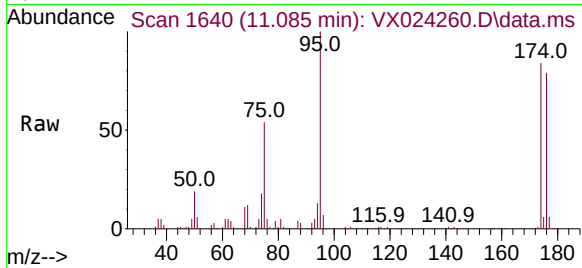




#81  
trans-1,4-Dichloro-2-butene  
Concen: 79.419 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 50037  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.294 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX024260.D  
Acq: 15 Sep 2021 15:02

Tgt Ion: 128 Resp: 43  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

