

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102522\  
 Data File : VX032382.D  
 Acq On : 25 Oct 2022 22:36  
 Operator : JC/MD  
 Sample : VX1025MBL02  
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1025MBL02

Quant Time: Oct 27 14:20:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 22 04:56:40 2022  
 Response via : Initial Calibration

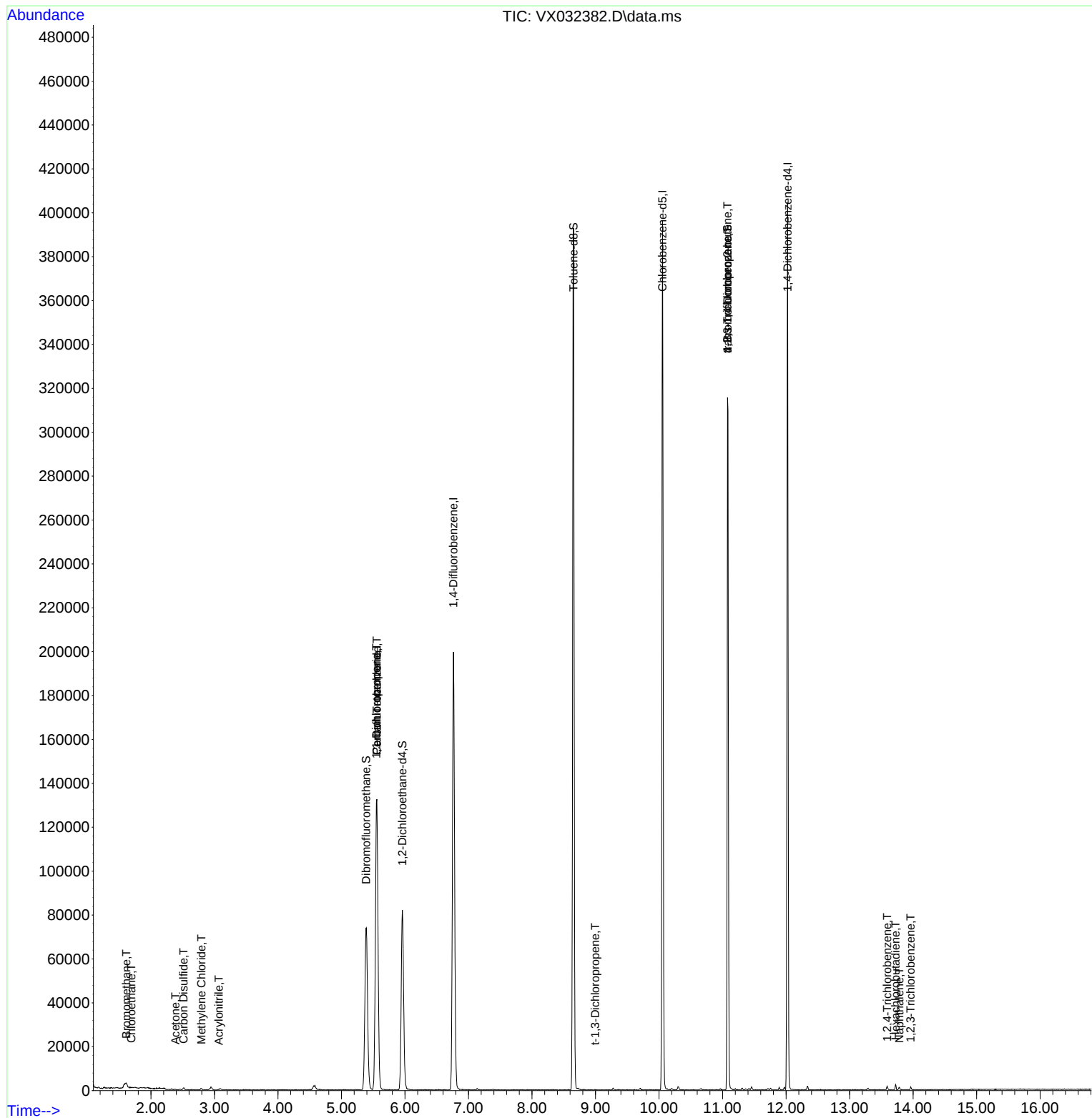
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.555  | 168   | 125702   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 200106   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 173926   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 79336    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 80962    | 49.510    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 99.020%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 64867    | 46.584    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.160%  |
| 50) Toluene-d8                | 8.652  | 98    | 234069   | 46.697    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 93.400%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 80763    | 44.001    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 88.000%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 22       | Below Cal | #      | 44       |
| 5) Bromomethane               | 1.611  | 94    | 363      | 0.280     | ug/l   | 84       |
| 6) Chloroethane               | 1.690  | 64    | 47       | 1.989     | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.952  | 59    | 796      | Below Cal | #      | 74       |
| 15) Acrylonitrile             | 3.068  | 53    | 202      | 0.329     | ug/l # | 75       |
| 16) Acetone                   | 2.385  | 43    | 298      | 0.562     | ug/l # | 44       |
| 17) Carbon Disulfide          | 2.513  | 76    | 1198     | 0.456     | ug/l   | 97       |
| 20) Methylene Chloride        | 2.794  | 84    | 328      | 0.241     | ug/l # | 87       |
| 36) 1,1-Dichloropropene       | 5.549  | 75    | 9599     | 5.359     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.555  | 117   | 13192    | 6.977     | ug/l # | 16       |
| 53) t-1,3-Dichloropropene     | 8.994  | 75    | 146      | 1.888     | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 43500    | 27.672    | ug/l # | 45       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 43500    | 84.897    | ug/l # | 6        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 531      | 0.311     | ug/l   | 84       |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 461      | 0.622     | ug/l   | 96       |
| 95) Naphthalene               | 13.786 | 128   | 1218     | 0.223     | ug/l # | 87       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 489      | 0.285     | ug/l   | 93       |
| -----                         |        |       |          |           |        |          |

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

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Sample : VX1025MBL02  
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

Quant Time: Oct 27 14:20:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 22 04:56:40 2022  
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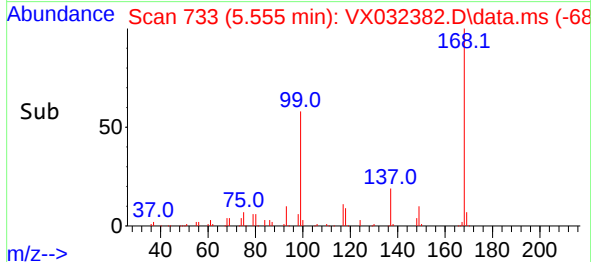
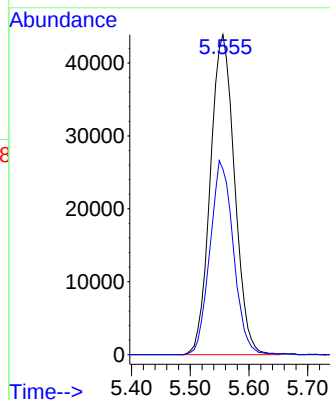
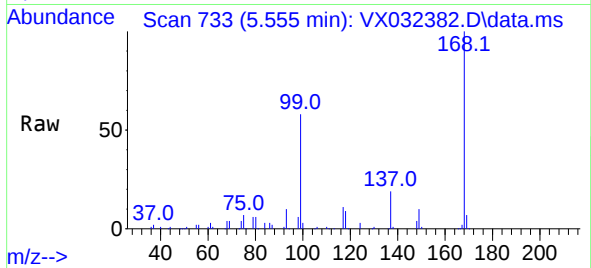




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.555 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

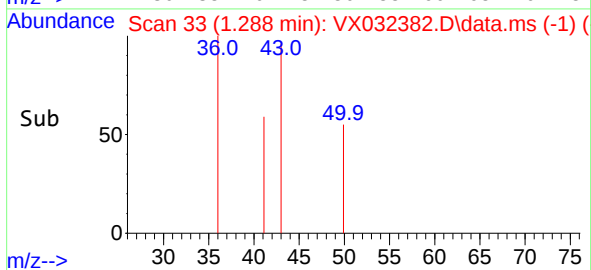
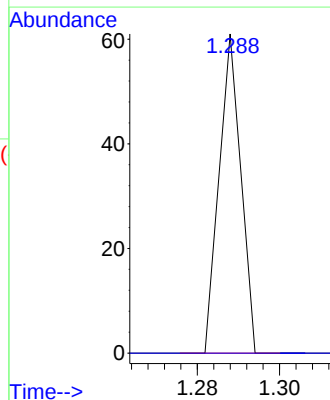
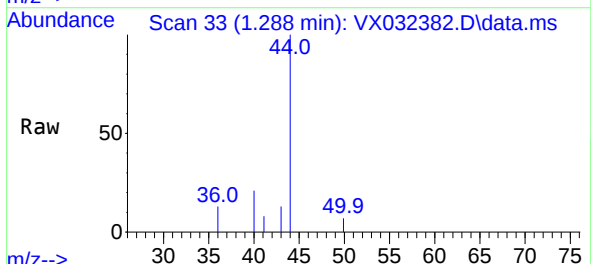
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

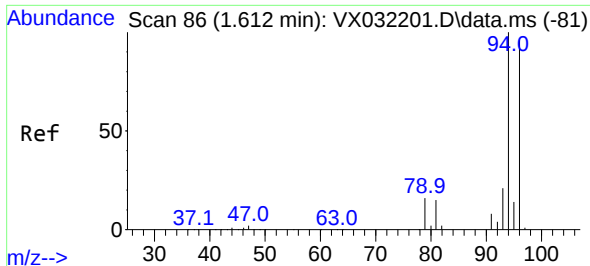
Tgt Ion:168 Resp: 125702  
Ion Ratio Lower Upper  
168 100  
99 58.0 44.8 67.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. -0.007 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion: 50 Resp: 22  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.7 37.1#

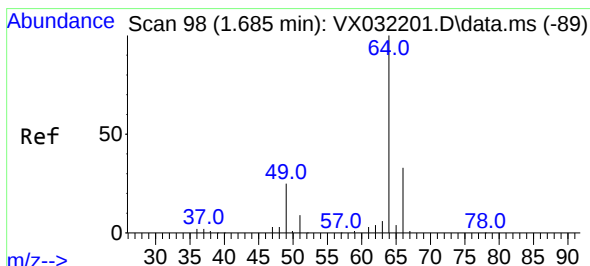
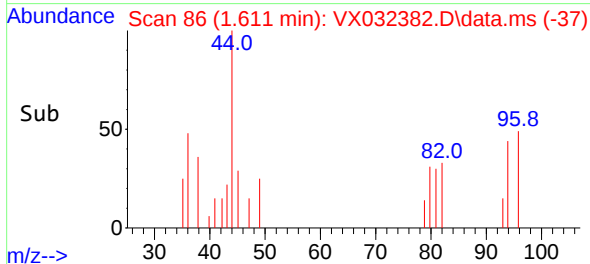
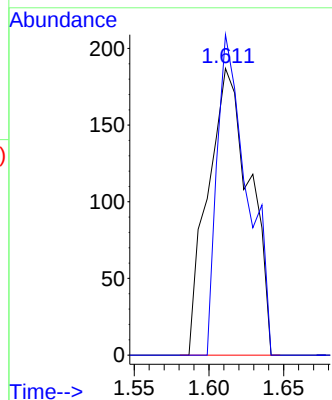
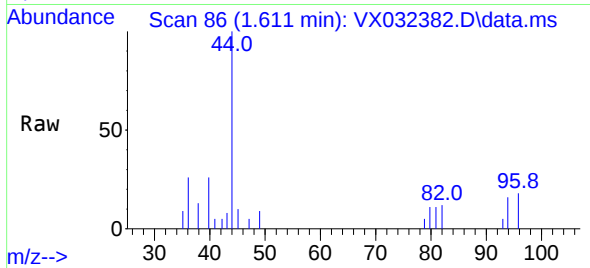




#5  
Bromomethane  
Concen: 0.280 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. -0.001 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

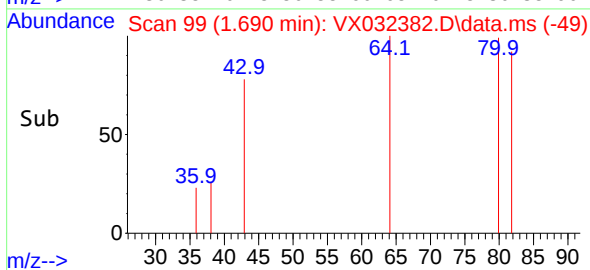
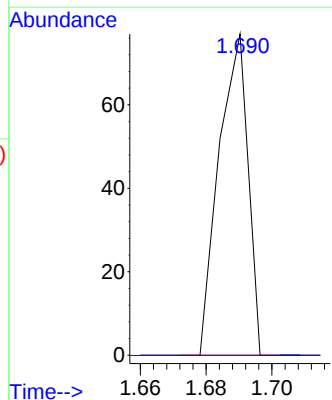
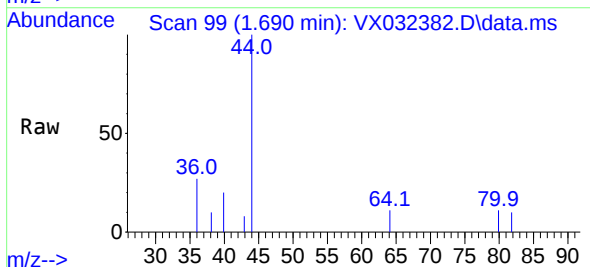
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

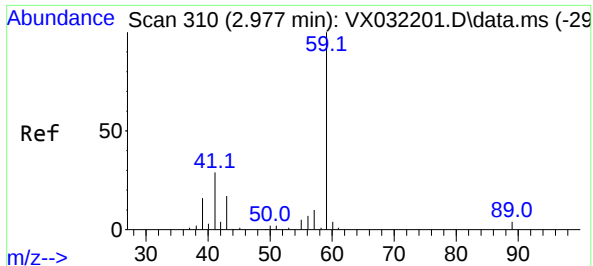
Tgt Ion: 94 Resp: 363  
Ion Ratio Lower Upper  
94 100  
96 111.8 76.7 115.1



#6  
Chloroethane  
Concen: 1.989 ug/l  
RT: 1.690 min Scan# 99  
Delta R.T. 0.005 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion: 64 Resp: 47  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.952 min Scan# 306

Delta R.T. -0.025 min

Lab File: VX032382.D

Acq: 25 Oct 2022 22:36

Instrument :

MSVOA\_X

ClientSampleId :

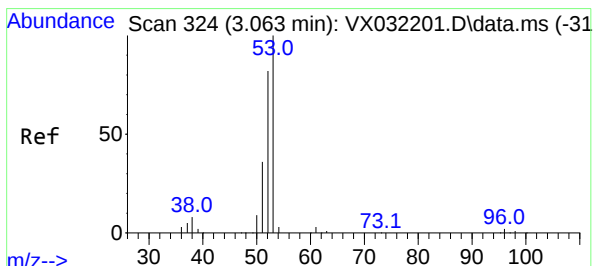
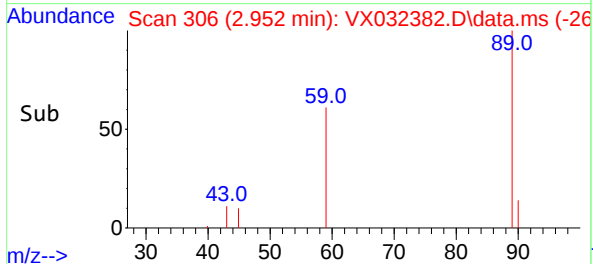
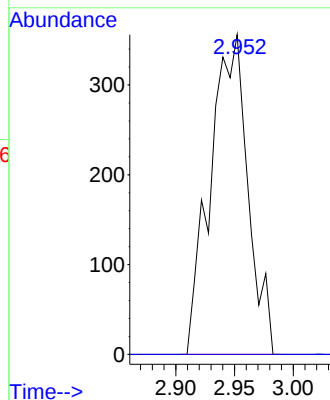
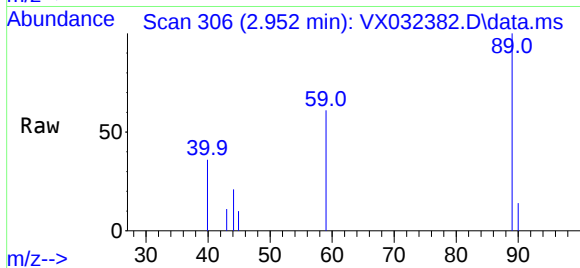
VX1025MBL02

Tgt Ion: 59 Resp: 796

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



#15

Acrylonitrile

Concen: 0.329 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.005 min

Lab File: VX032382.D

Acq: 25 Oct 2022 22:36

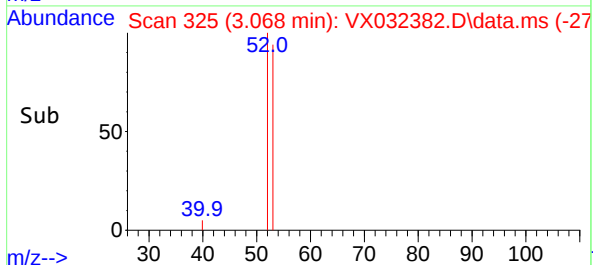
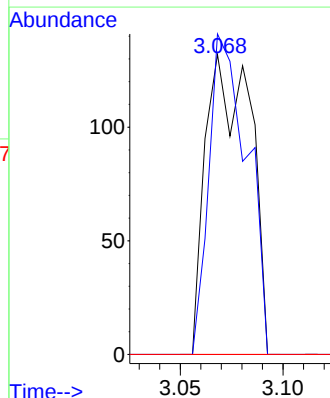
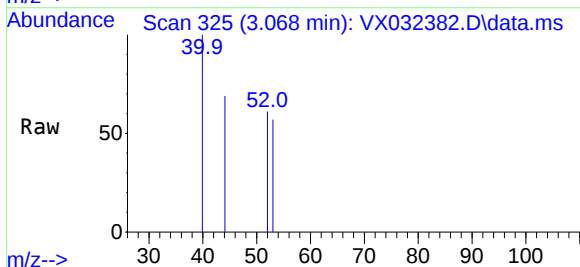
Tgt Ion: 53 Resp: 202

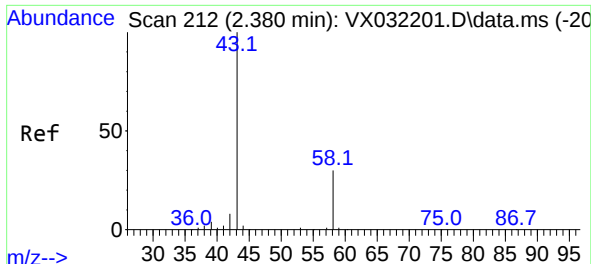
Ion Ratio Lower Upper

53 100

52 90.1 65.9 98.9

51 0.0 29.7 44.5#

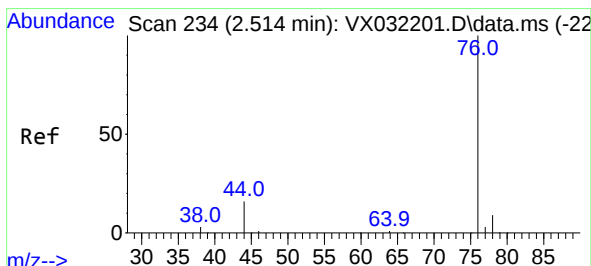
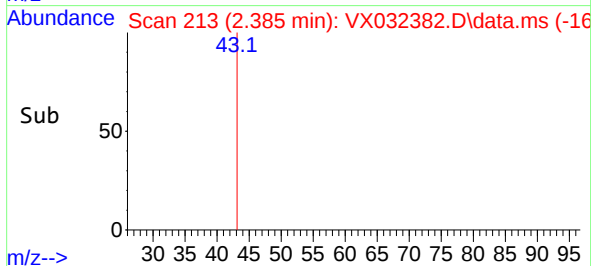
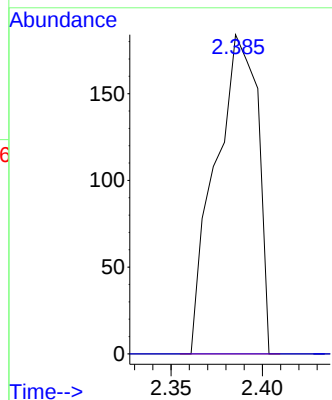
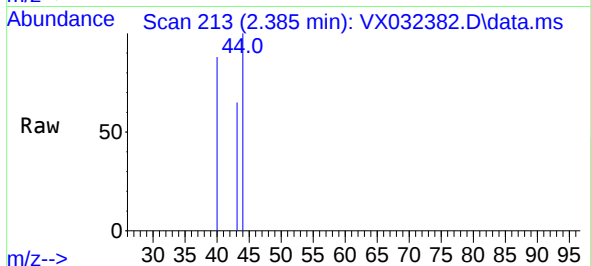




#16  
Acetone  
Concen: 0.562 ug/l  
RT: 2.385 min Scan# 212  
Delta R.T. 0.005 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

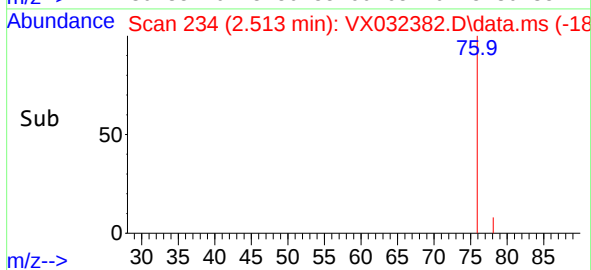
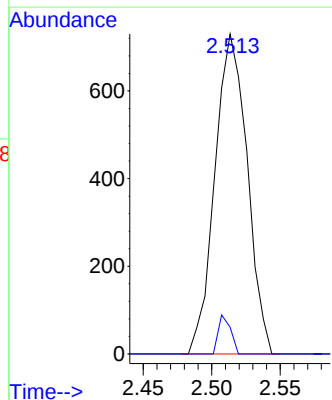
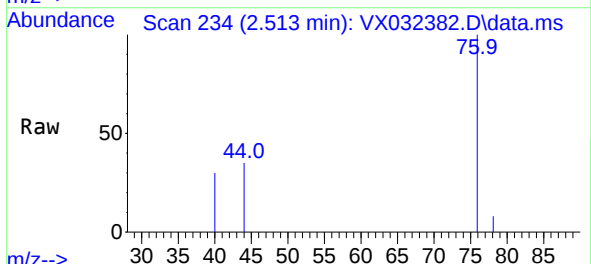
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

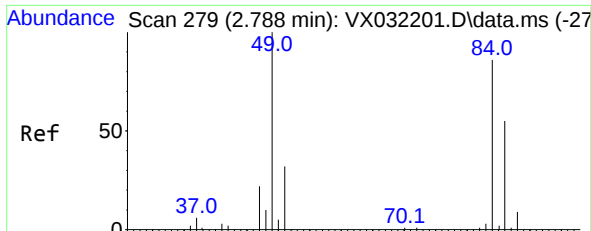
Tgt Ion: 43 Resp: 298  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.2#



#17  
Carbon Disulfide  
Concen: 0.456 ug/l  
RT: 2.513 min Scan# 234  
Delta R.T. -0.001 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion: 76 Resp: 1198  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.6 11.4

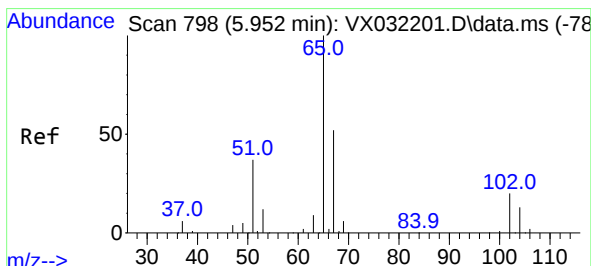
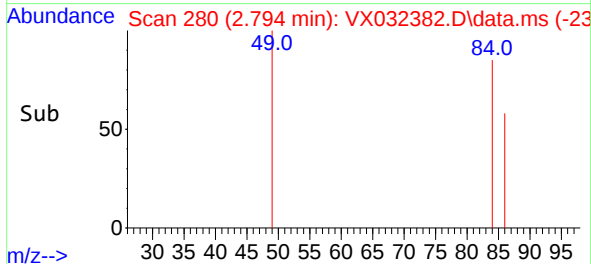
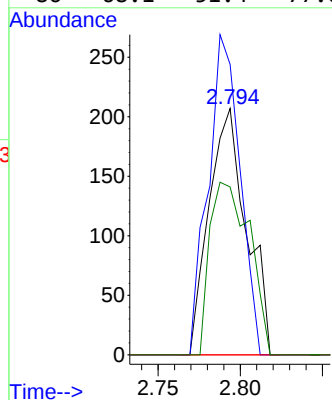
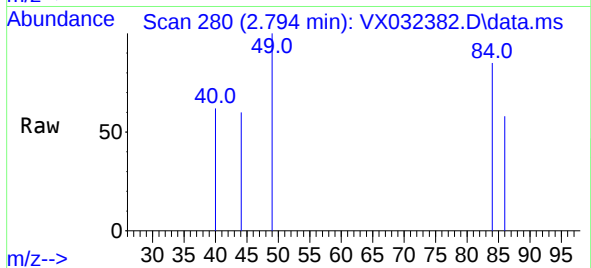




#20  
Methylene Chloride  
Concen: 0.241 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

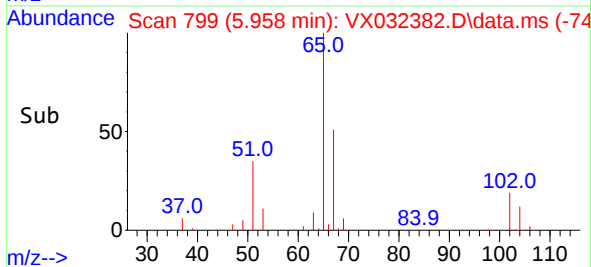
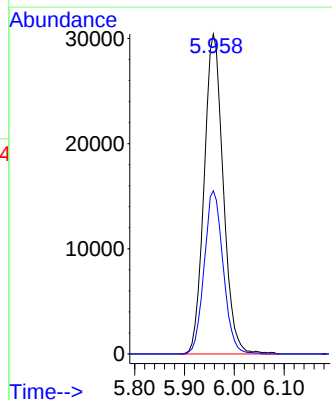
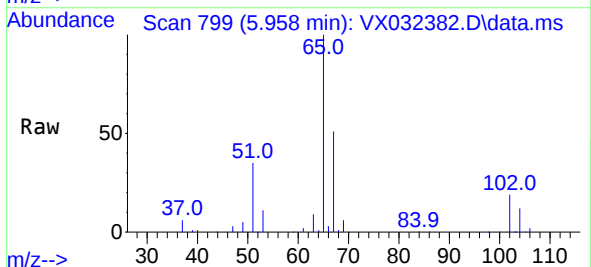
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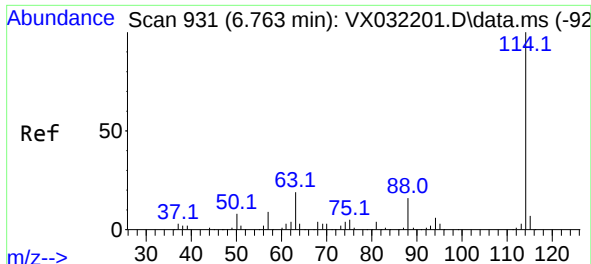
Tgt Ion: 84 Resp: 328  
Ion Ratio Lower Upper  
84 100  
49 117.9 92.6 139.0  
51 0.0 29.2 43.8#  
86 68.1 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.510 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion: 65 Resp: 80962  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 103.6

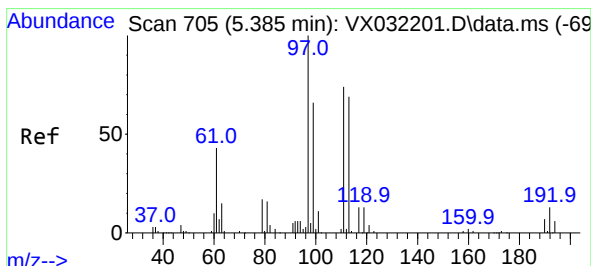
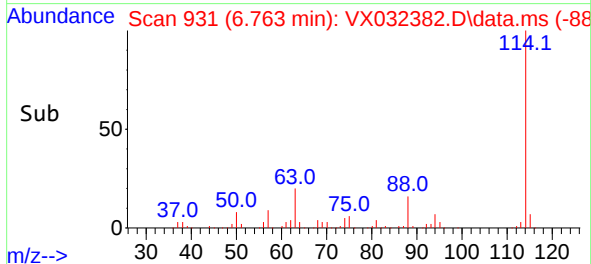
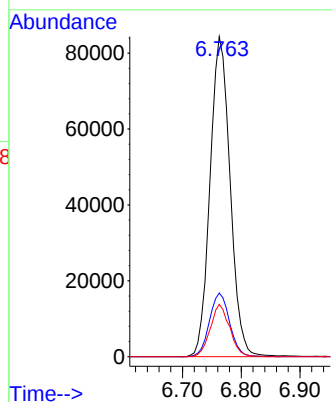
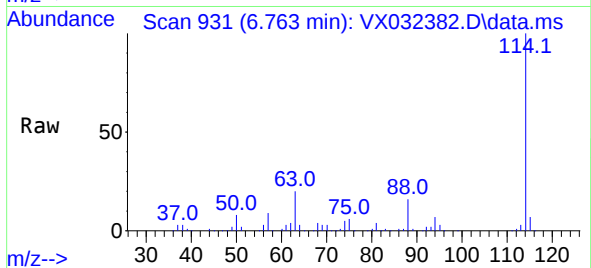




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

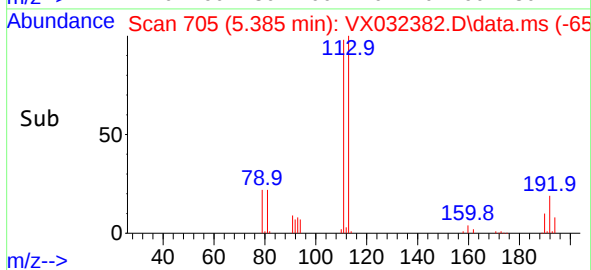
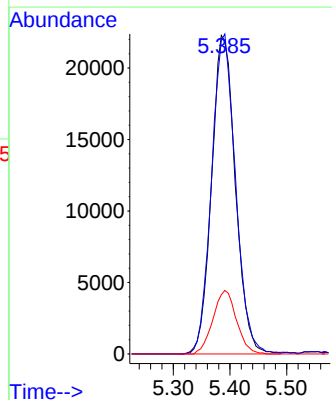
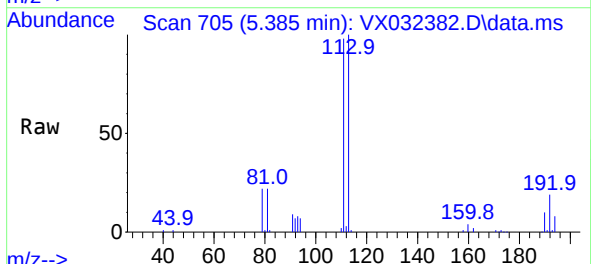
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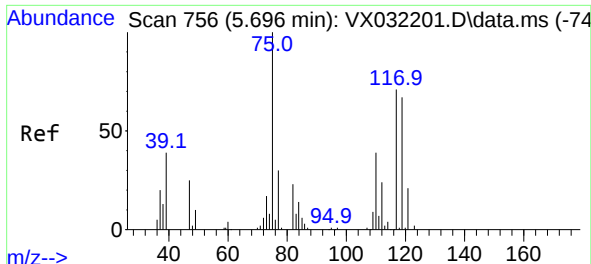
Tgt Ion:114 Resp: 200106  
Ion Ratio Lower Upper  
114 100  
63 19.9 0.0 38.6  
88 16.3 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 46.584 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion:113 Resp: 64867  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.8 124.2  
192 19.7 15.5 23.3

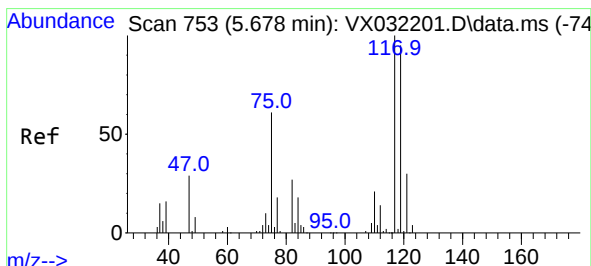
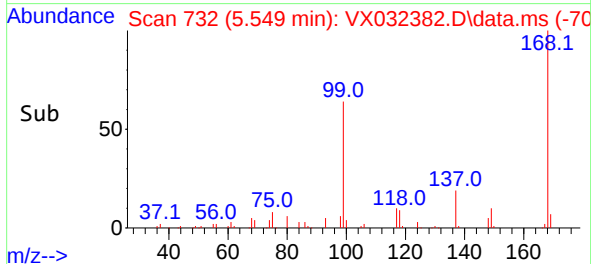
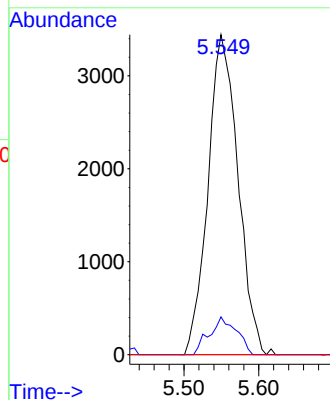
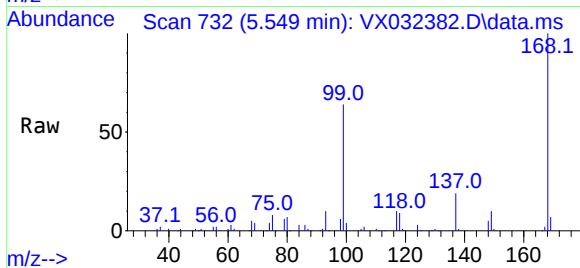




#36  
1,1-Dichloropropene  
Concen: 5.359 ug/l  
RT: 5.549 min Scan# 713  
Delta R.T. -0.147 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

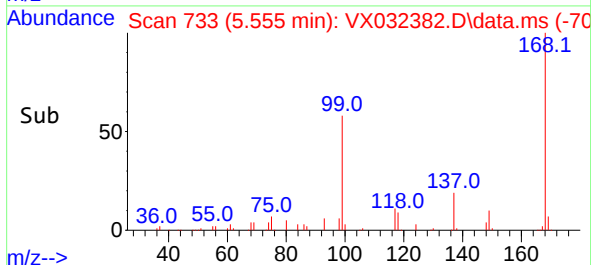
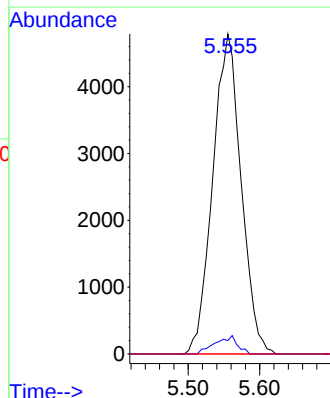
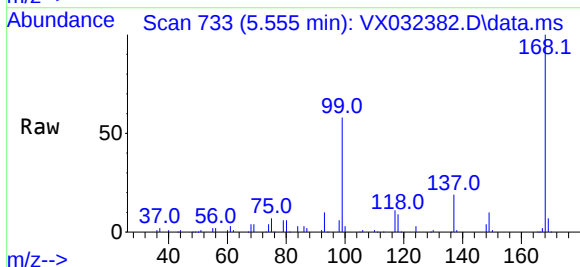
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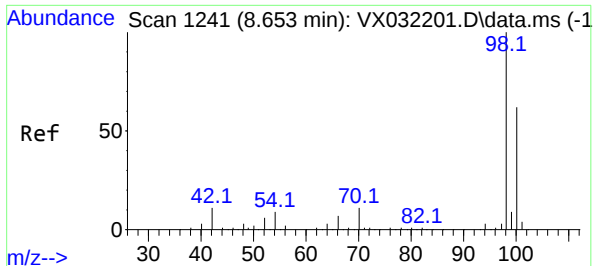
Tgt Ion: 75 Resp: 9599  
Ion Ratio Lower Upper  
75 100  
110 10.7 18.4 55.0#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.977 ug/l  
RT: 5.555 min Scan# 733  
Delta R.T. -0.123 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion: 117 Resp: 13192  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.4 113.0#  
121 0.0 23.9 35.9#

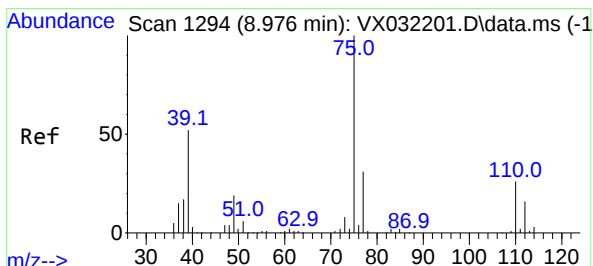
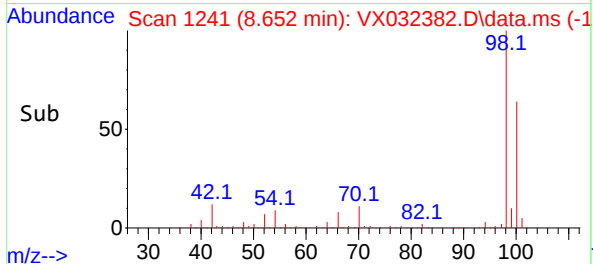
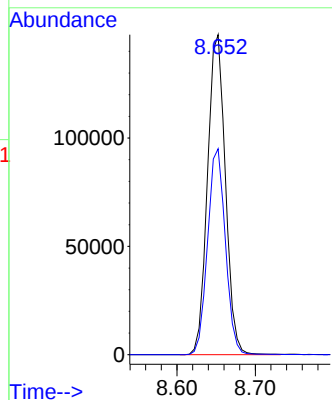
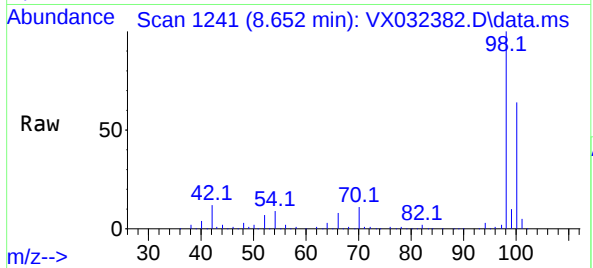




#50  
Toluene-d8  
Concen: 46.697 ug/l  
RT: 8.652 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

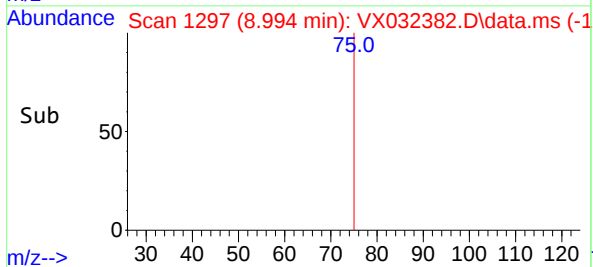
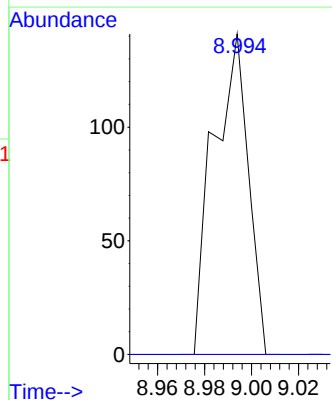
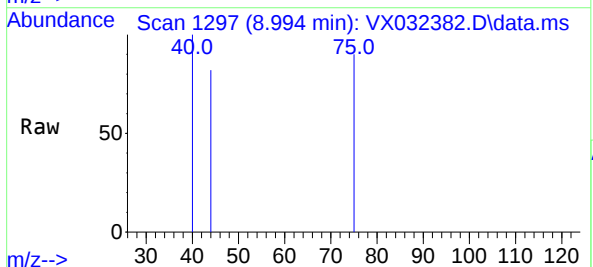
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

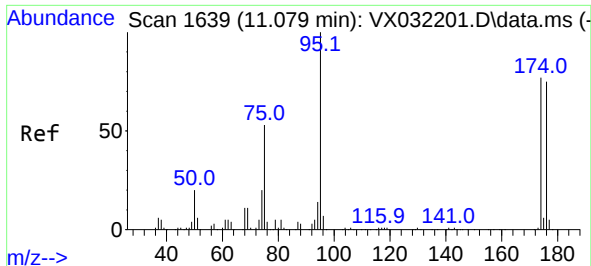
Tgt Ion: 98 Resp: 234069  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.7 76.1



#53  
t-1,3-Dichloropropene  
Concen: 1.888 ug/l  
RT: 8.994 min Scan# 1297  
Delta R.T. 0.018 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion: 75 Resp: 146  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 44.001 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX032382.D

Acq: 25 Oct 2022 22:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1025MBL02

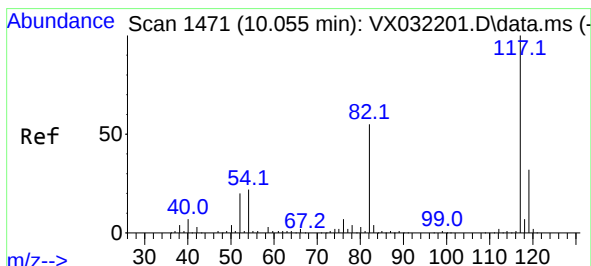
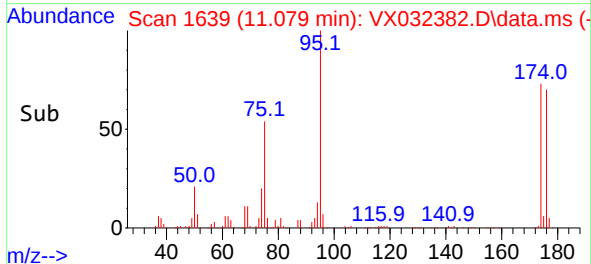
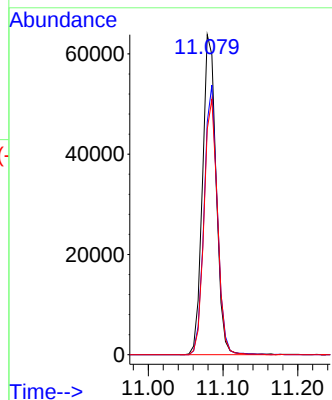
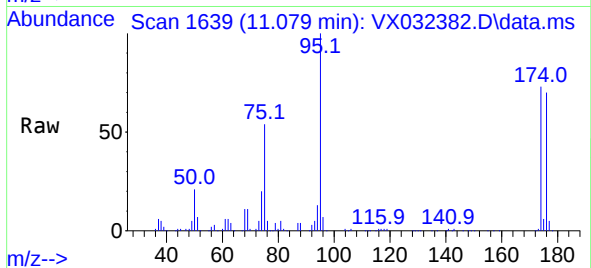
Tgt Ion: 95 Resp: 80763

Ion Ratio Lower Upper

95 100

174 81.6 0.0 166.8

176 78.9 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032382.D

Acq: 25 Oct 2022 22:36

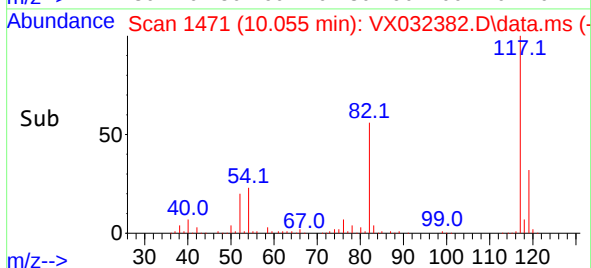
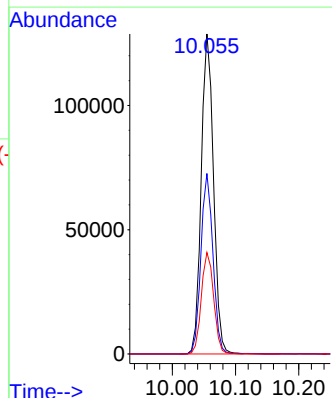
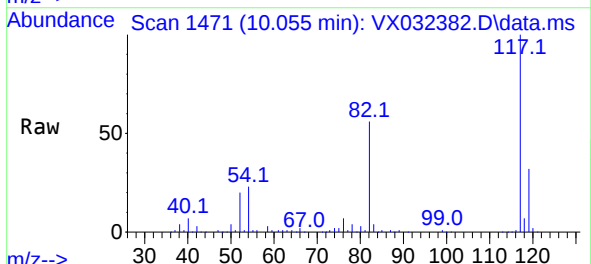
Tgt Ion: 117 Resp: 173926

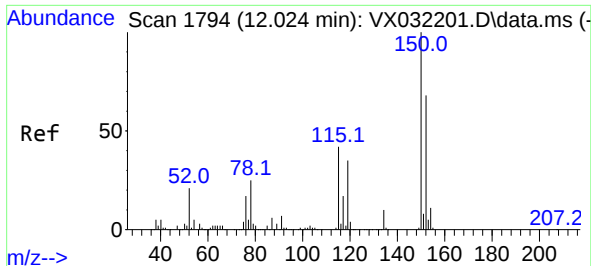
Ion Ratio Lower Upper

117 100

82 56.4 44.2 66.4

119 31.7 25.8 38.8

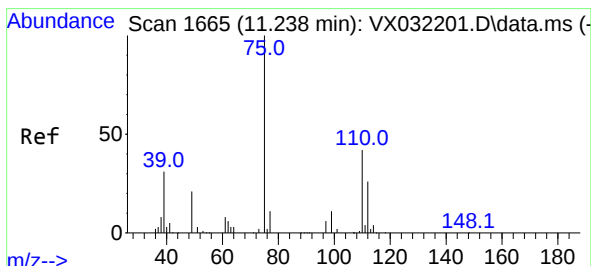
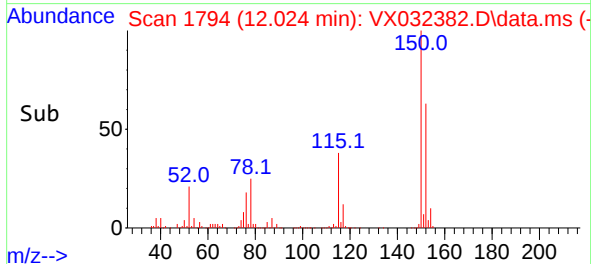
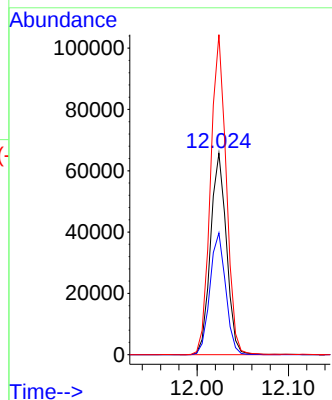
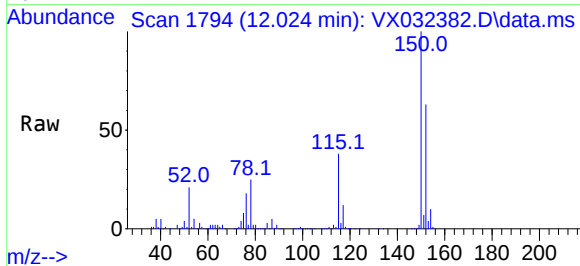




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX032382.D  
 Acq: 25 Oct 2022 22:36

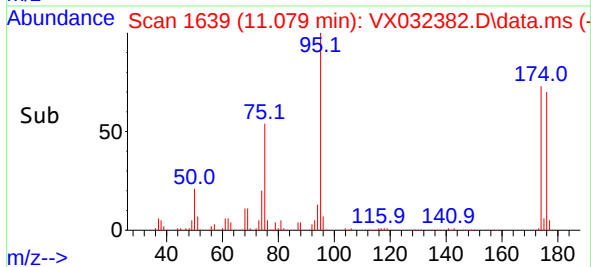
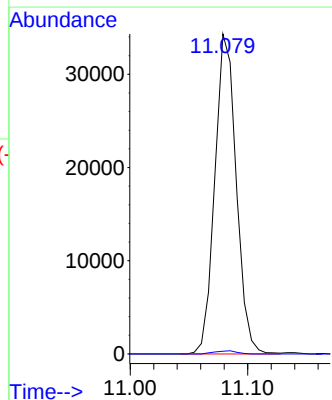
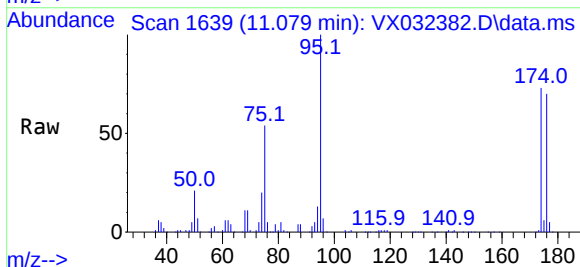
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1025MBL02

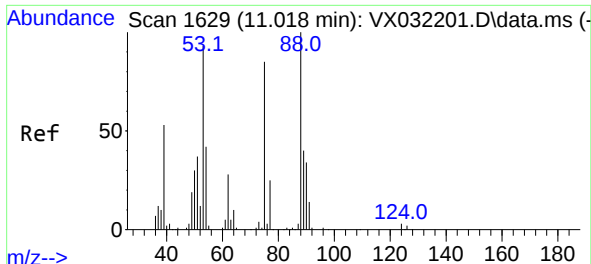
Tgt Ion:152 Resp: 79336  
 Ion Ratio Lower Upper  
 152 100  
 115 59.7 43.1 129.4  
 150 157.1 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 27.672 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX032382.D  
 Acq: 25 Oct 2022 22:36

Tgt Ion: 75 Resp: 43500  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 16.0 47.9#

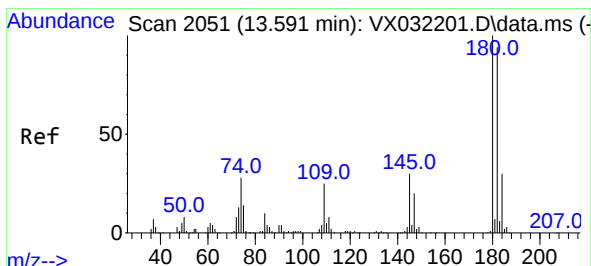
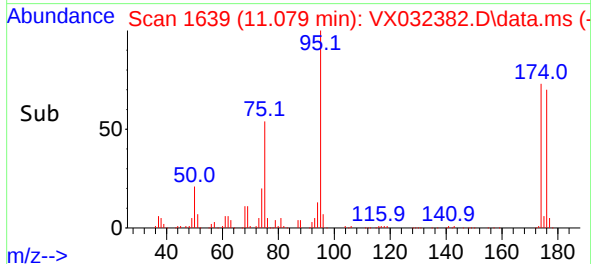
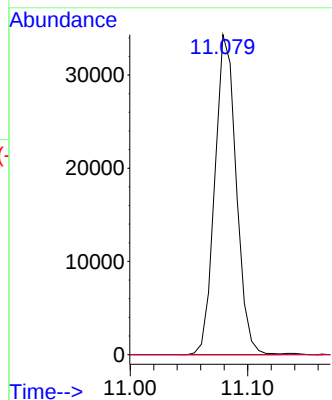
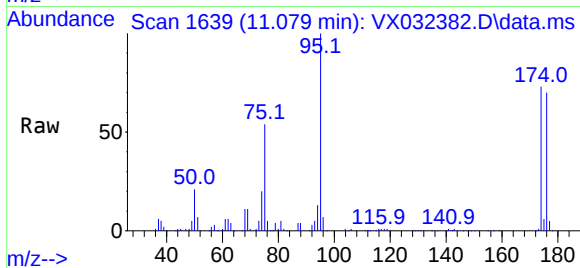




#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.897 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

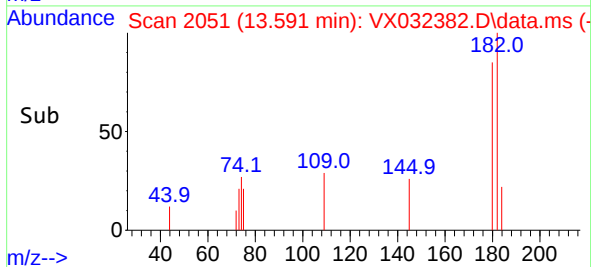
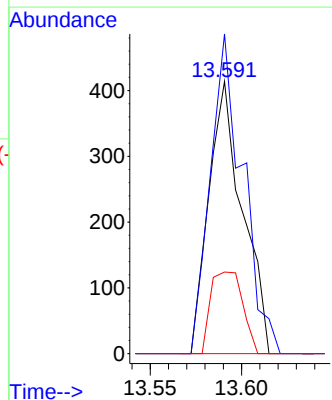
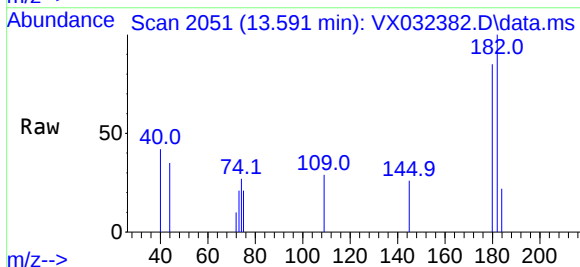
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

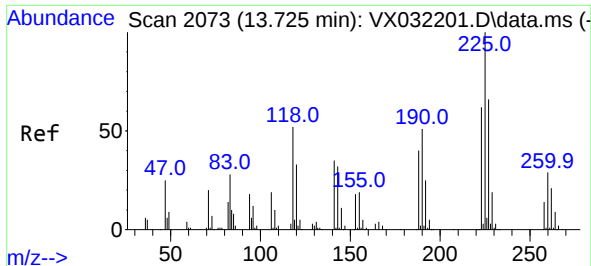
Tgt Ion: 75 Resp: 43500  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.8 131.8#  
89 0.0 37.8 56.8#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.311 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. -0.000 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

Tgt Ion:180 Resp: 531  
Ion Ratio Lower Upper  
180 100  
182 113.0 46.8 140.3  
145 28.4 15.6 46.7

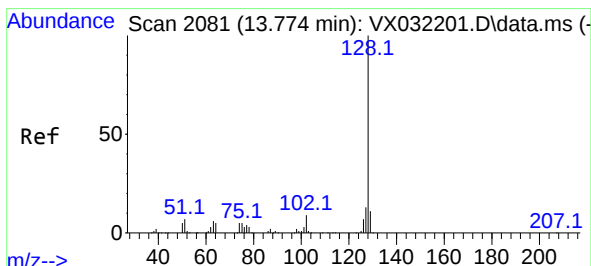
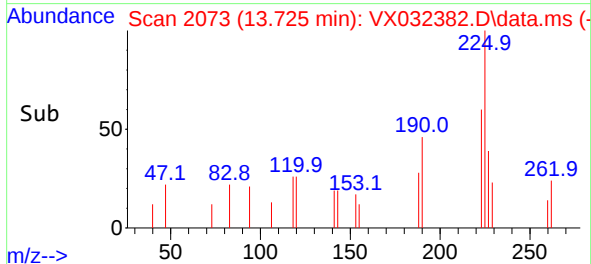
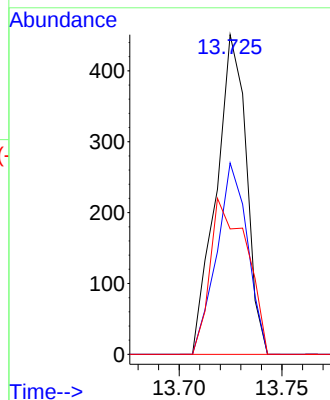
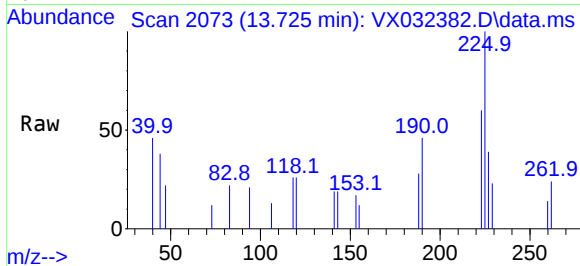




#94  
Hexachlorobutadiene  
Concen: 0.622 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

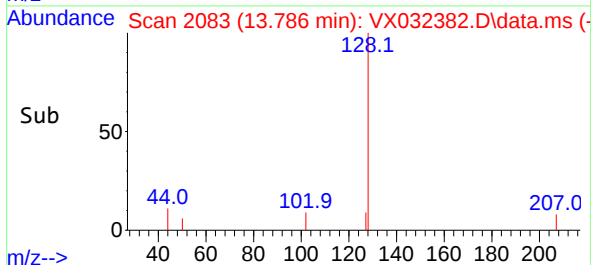
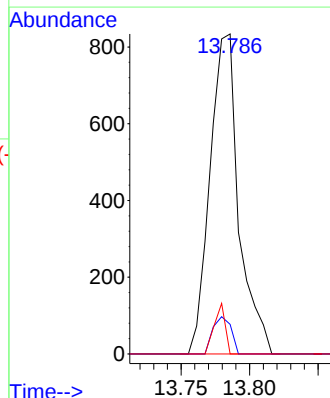
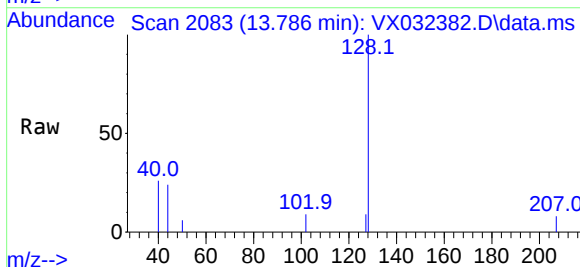
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025MBL02

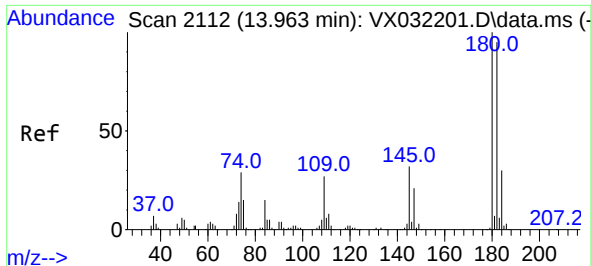
Tgt Ion:225 Resp: 461  
Ion Ratio Lower Upper  
225 100  
223 61.2 31.4 94.3  
227 59.0 32.0 96.0



#95  
Naphthalene  
Concen: 0.223 ug/l  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.012 min  
Lab File: VX032382.D  
Acq: 25 Oct 2022 22:36

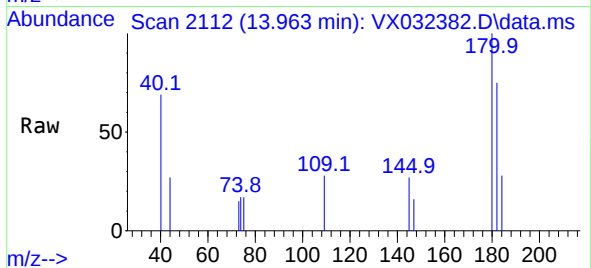
Tgt Ion:128 Resp: 1218  
Ion Ratio Lower Upper  
128 100  
127 7.4 10.3 15.5#  
129 6.0 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.285 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VX032382.D  
 Acq: 25 Oct 2022 22:36

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1025MBL02



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 489   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.6  | 47.4  | 142.2 |
| 145      | 23.9  | 16.5  | 49.5  |

