

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032124\  
 Data File : VX040746.D  
 Acq On : 21 Mar 2024 16:36  
 Operator : JC/MD  
 Sample : VX0321WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 22 02:56:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:41:46 2024  
 Response via : Initial Calibration

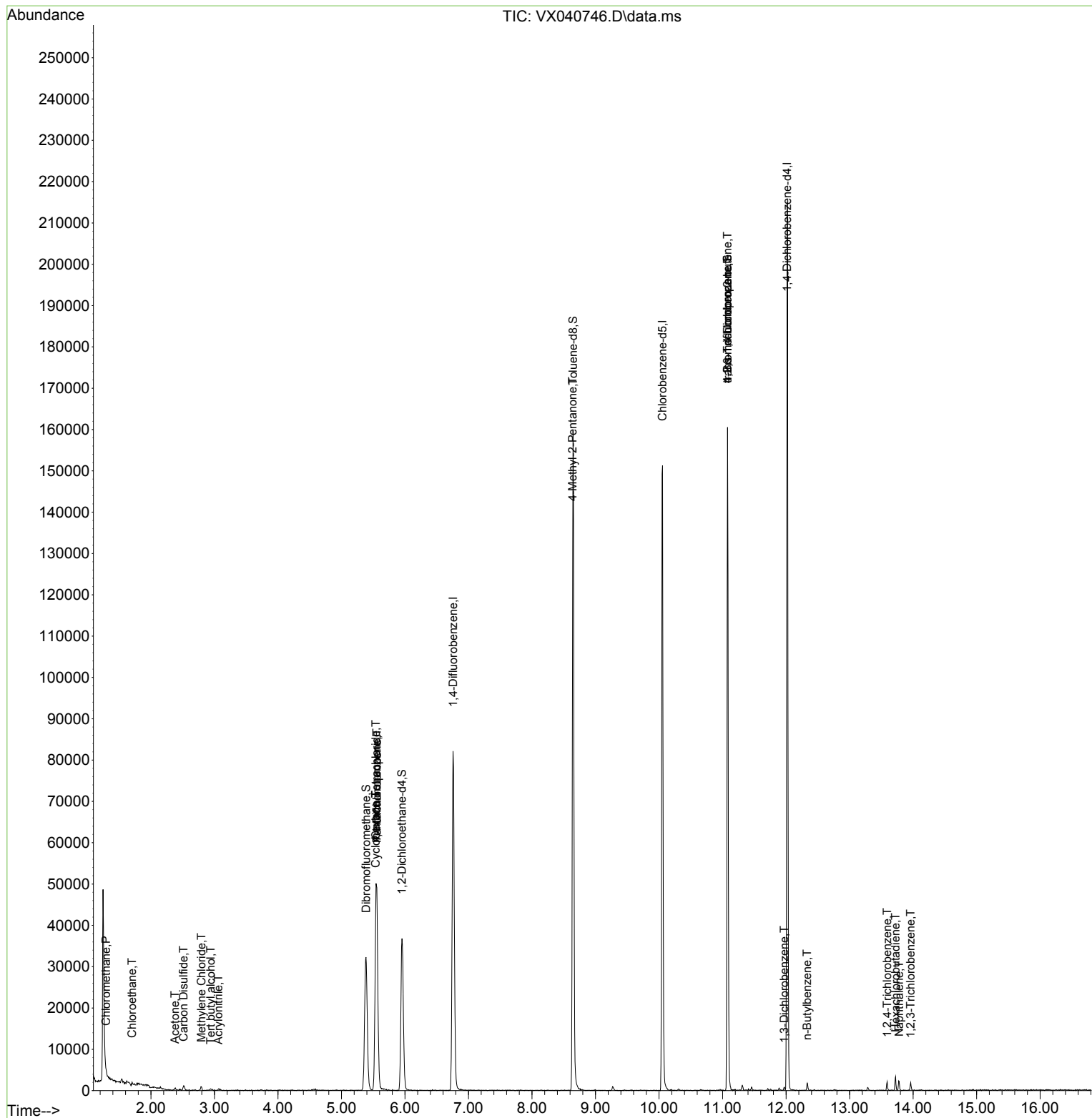
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 46007    | 50.000   | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 77968    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 66993    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 39809    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 38725    | 50.059   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 100.120% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 27561    | 47.242   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 94.480%  |          |
| 50) Toluene-d8                | 8.646  | 98    | 93110    | 46.611   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 93.220%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 39824    | 50.459   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 100.920% |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 3) Chloromethane              | 1.294  | 50    | 184      | 0.302    | ug/l       | # 43     |
| 6) Chloroethane               | 1.703  | 64    | 373      | 0.920    | ug/l       | # 43     |
| 11) Tert butyl alcohol        | 2.940  | 59    | 352      | 2.842    | ug/l       | # 78     |
| 15) Acrylonitrile             | 3.062  | 53    | 332      | 1.086    | ug/l       | # 70     |
| 16) Acetone                   | 2.379  | 43    | 651      | 2.376    | ug/l       | # 81     |
| 17) Carbon Disulfide          | 2.513  | 76    | 1119     | 0.717    | ug/l       | 97       |
| 20) Methylene Chloride        | 2.794  | 84    | 365      | 0.609    | ug/l       | # 72     |
| 31) Cyclohexane               | 5.537  | 56    | 1176     | 1.279    | ug/l       | # 28     |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 4143     | 4.823    | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 5.543  | 117   | 4960     | 5.130    | ug/l       | # 14     |
| 51) 4-Methyl-2-Pentanone      | 8.640  | 43    | 543      | 0.572    | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 23931    | 27.951   | ug/l       | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 23931    | 70.710   | ug/l       | # 5      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146   | 290      | 0.208    | ug/l       | 93       |
| 89) n-Butylbenzene            | 12.329 | 91    | 900      | 0.333    | ug/l       | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 614      | 0.630    | ug/l       | 81       |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 521      | 1.356    | ug/l       | 92       |
| 95) Naphthalene               | 13.780 | 128   | 1821     | 0.590    | ug/l       | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 638      | 0.666    | ug/l       | 90       |

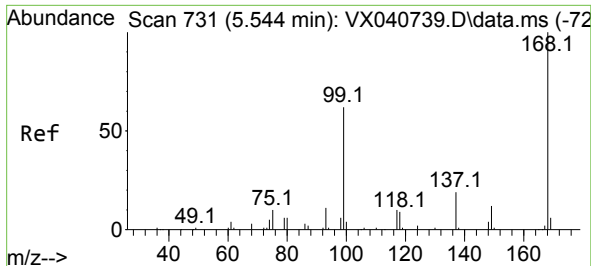
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032124\  
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Sample : VX0321WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 22 02:56:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:41:46 2024  
Response via : Initial Calibration



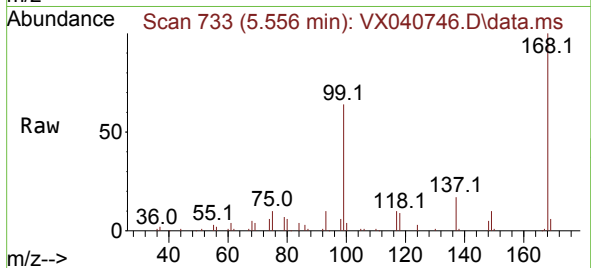


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

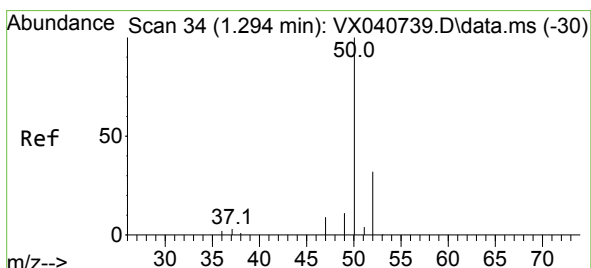
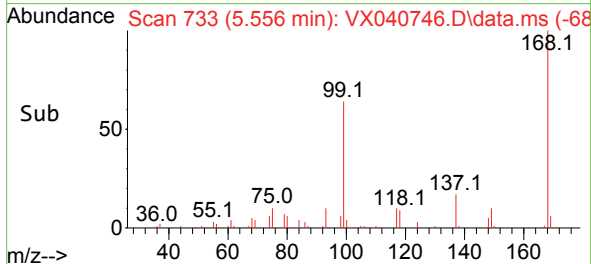
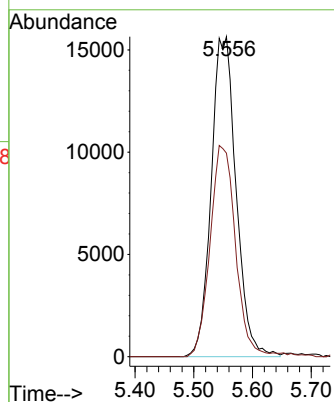
Instrument :

MSVOA\_X

ClientSampleId :

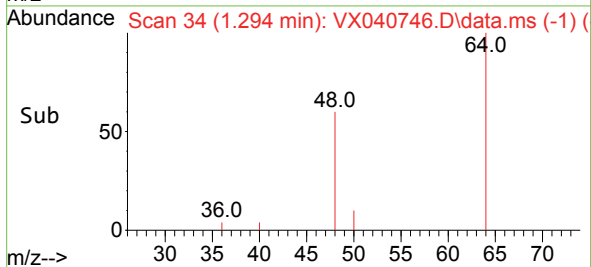
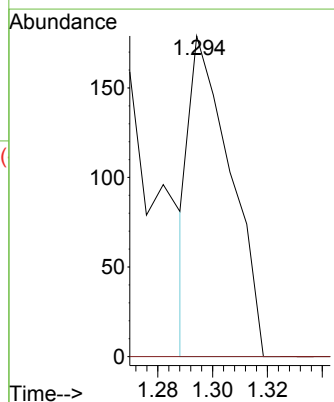
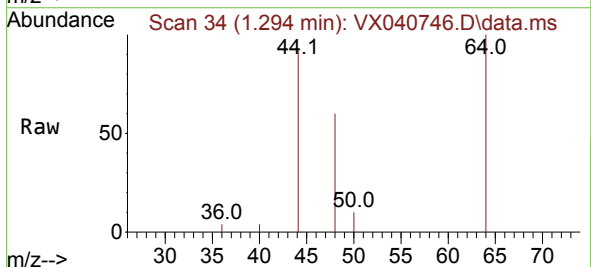


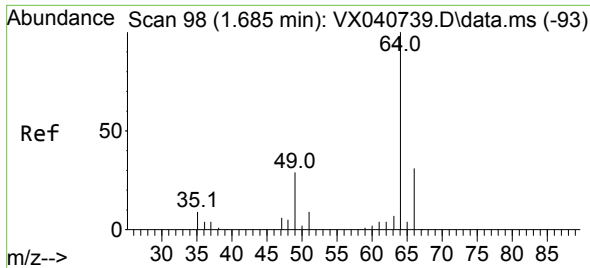
Tgt Ion:168 Resp: 46007  
Ion Ratio Lower Upper  
168 100  
99 63.6 56.6 85.0



#3  
Chloromethane  
Concen: 0.302 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

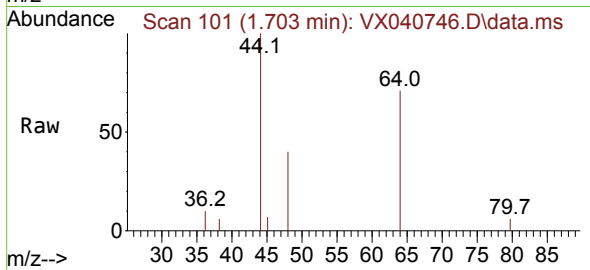
Tgt Ion: 50 Resp: 184  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#



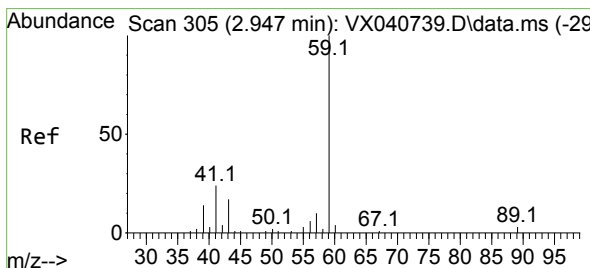
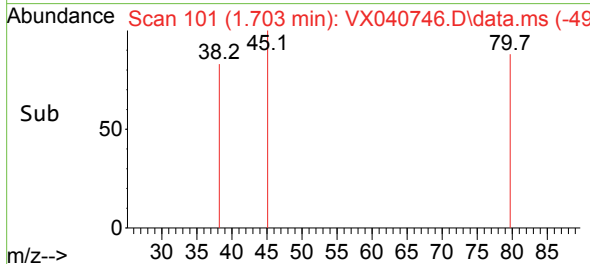
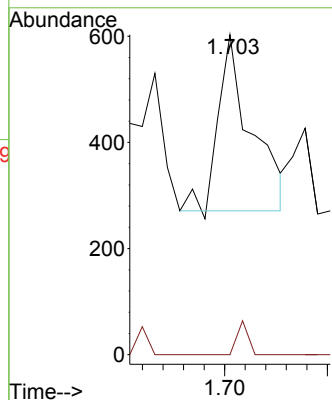


#6  
Chloroethane  
Concen: 0.920 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. 0.018 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Instrument :  
MSVOA\_X  
ClientSampleId :

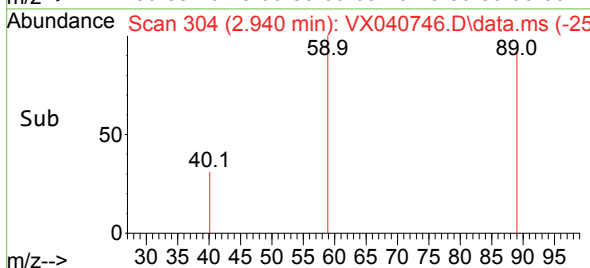
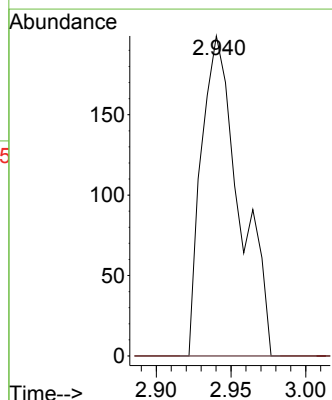
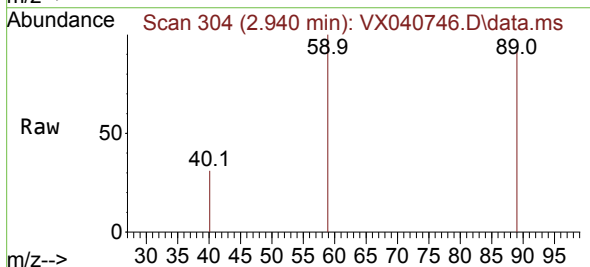


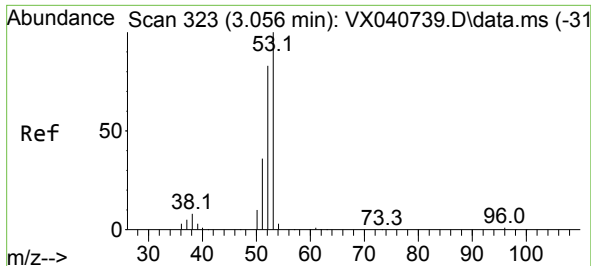
Tgt Ion: 64 Resp: 373  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 2.842 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.007 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

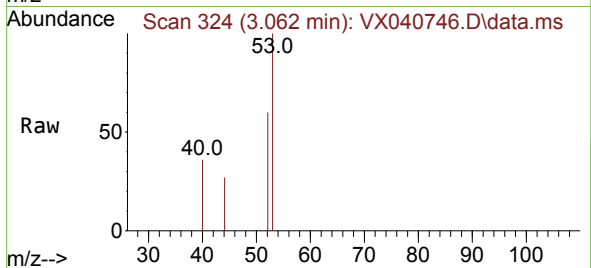
Tgt Ion: 59 Resp: 352  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



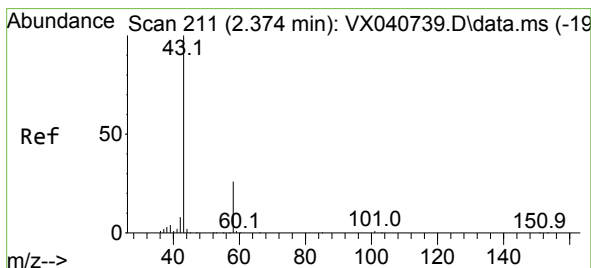
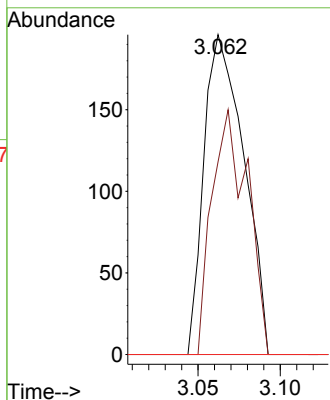
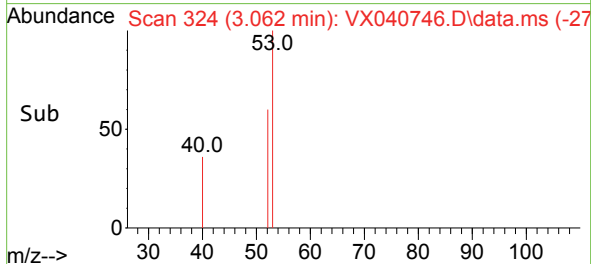


#15  
Acrylonitrile  
Concen: 1.086 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Instrument :  
MSVOA\_X  
ClientSampleId :

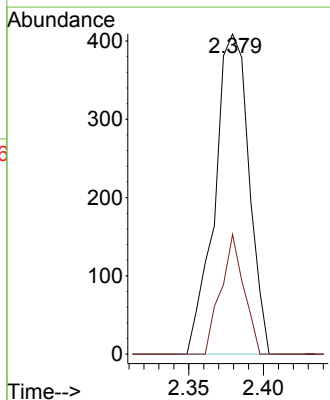
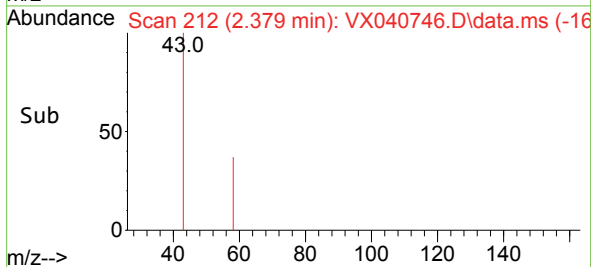
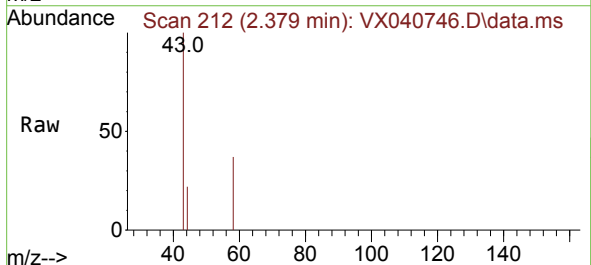


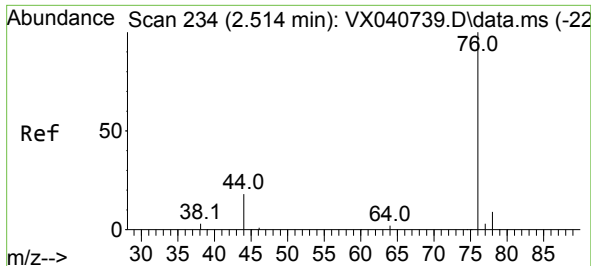
Tgt Ion: 53 Resp: 332  
Ion Ratio Lower Upper  
53 100  
52 68.7 66.0 99.0  
51 0.0 29.8 44.6#



#16  
Acetone  
Concen: 2.376 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. 0.005 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

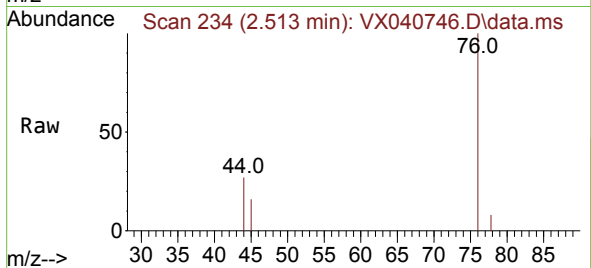
Tgt Ion: 43 Resp: 651  
Ion Ratio Lower Upper  
43 100  
58 37.4 21.9 32.9#



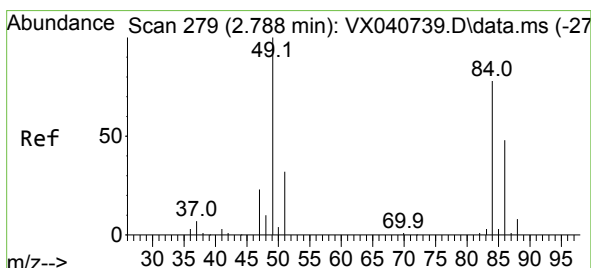
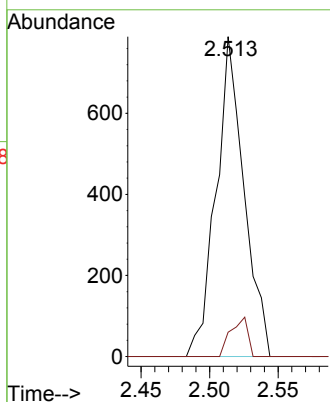
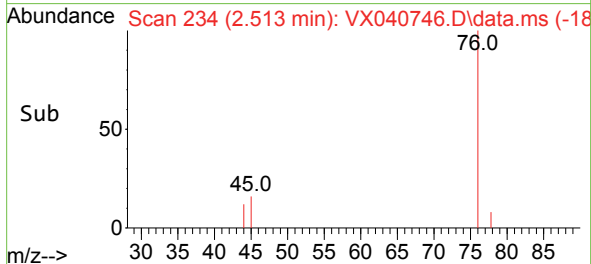


#17  
Carbon Disulfide  
Concen: 0.717 ug/l  
RT: 2.513 min Scan# 211  
Delta R.T. -0.001 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

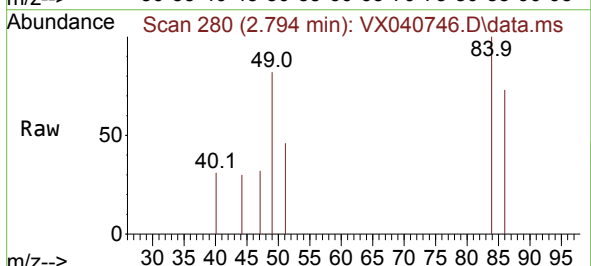
Instrument :  
MSVOA\_X  
ClientSampleId :



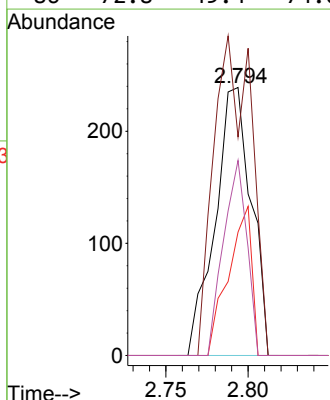
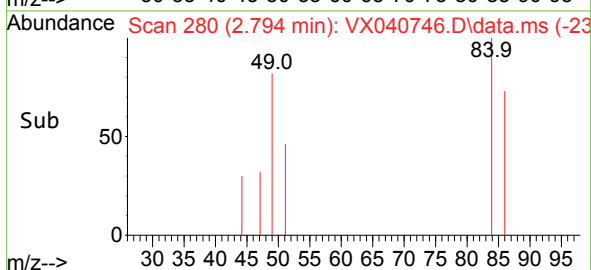
Tgt Ion: 76 Resp: 1119  
Ion Ratio Lower Upper  
76 100  
78 7.6 7.0 10.6

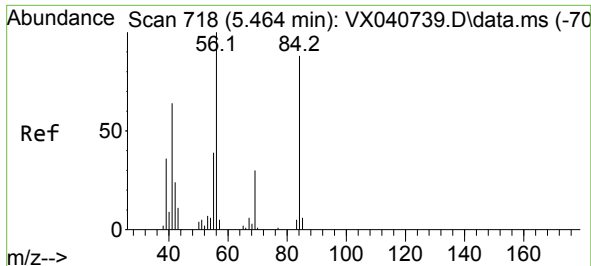


#20  
Methylene Chloride  
Concen: 0.609 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36



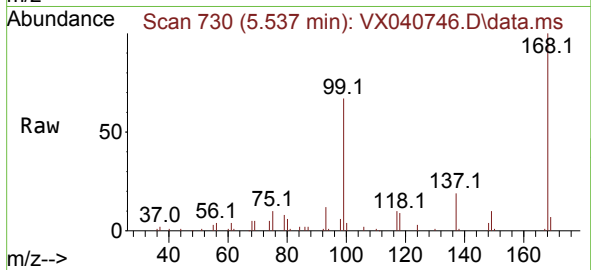
Tgt Ion: 84 Resp: 365  
Ion Ratio Lower Upper  
84 100  
49 81.6 103.6 155.4#  
51 46.0 33.8 50.6  
86 72.8 49.4 74.0



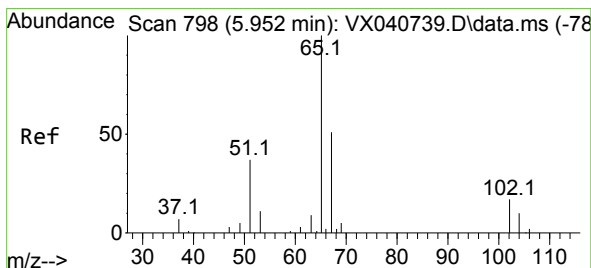
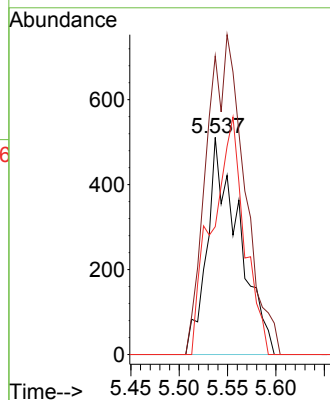
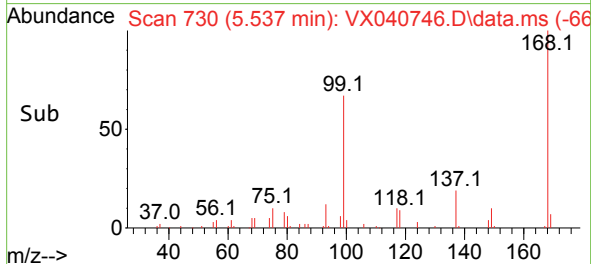


#31  
Cyclohexane  
Concen: 1.279 ug/l  
RT: 5.537 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Instrument :  
MSVOA\_X  
ClientSampleId :

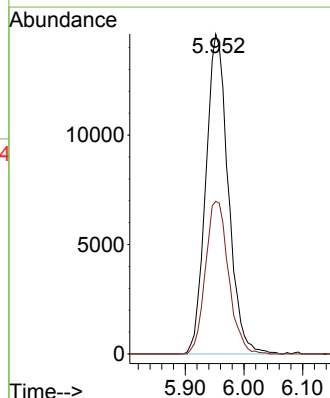
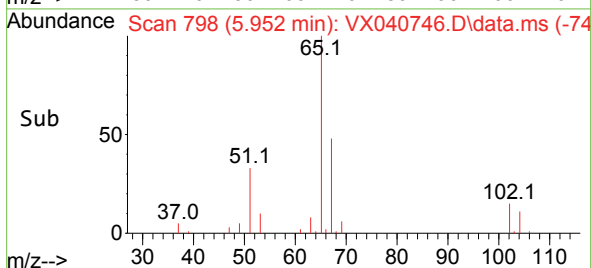
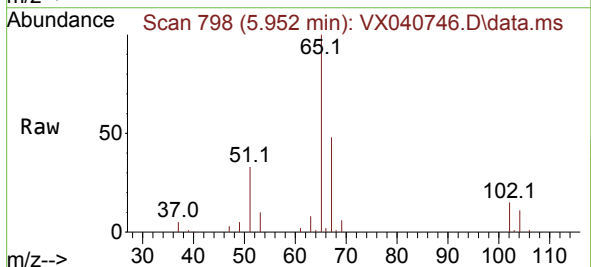


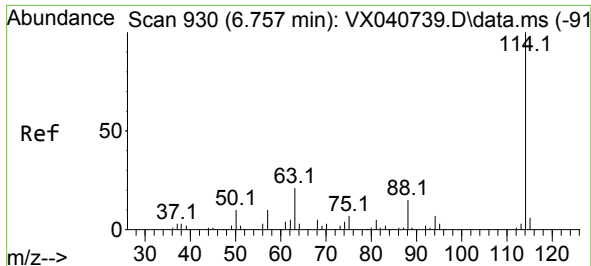
Tgt Ion: 56 Resp: 1176  
Ion Ratio Lower Upper  
56 100  
69 137.6 23.4 35.2#  
84 58.9 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 50.059 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

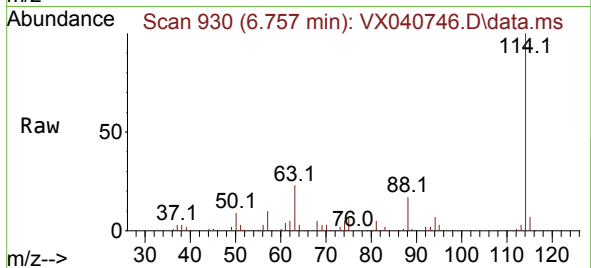
Tgt Ion: 65 Resp: 38725  
Ion Ratio Lower Upper  
65 100  
67 49.1 0.0 100.2



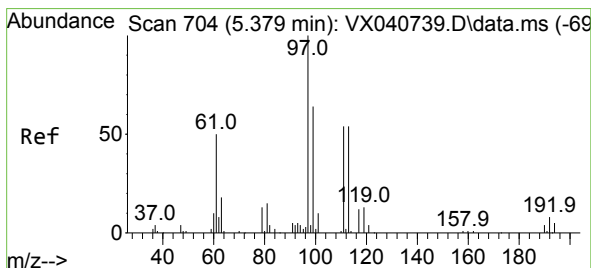
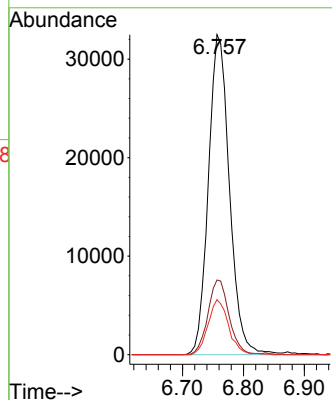
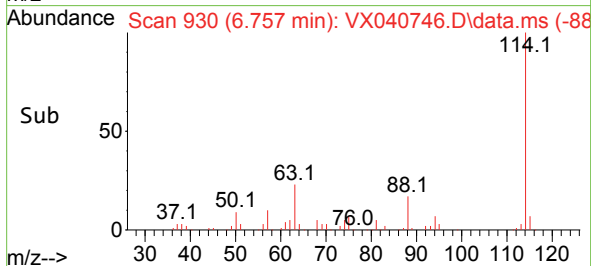


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

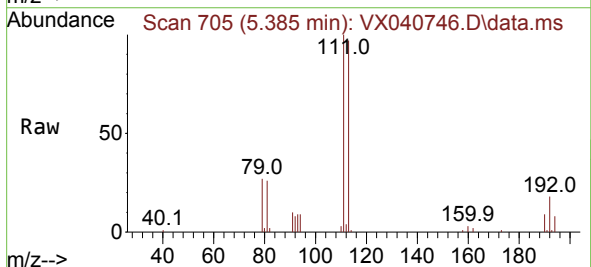
Instrument :  
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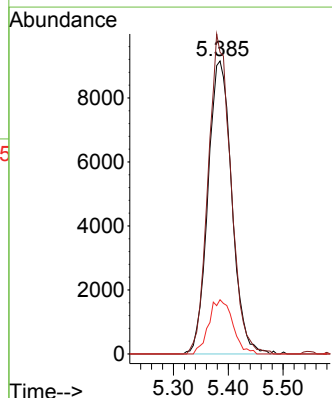
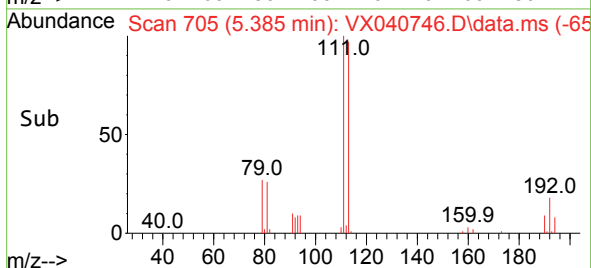
Tgt Ion:114 Resp: 77968  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 45.0  
88 17.2 0.0 36.6



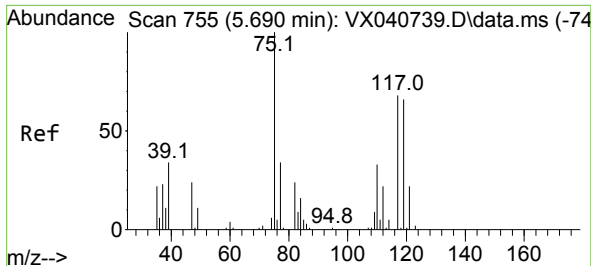
#35  
Dibromofluoromethane  
Concen: 47.242 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36



Tgt Ion:113 Resp: 27561  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.9 124.3  
192 18.6 13.3 19.9



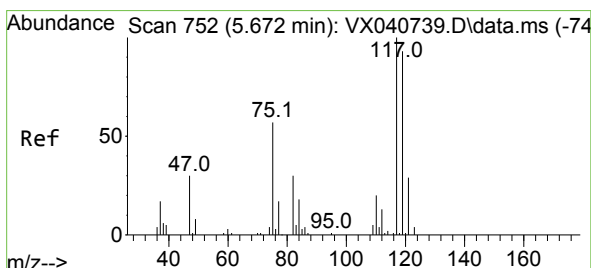
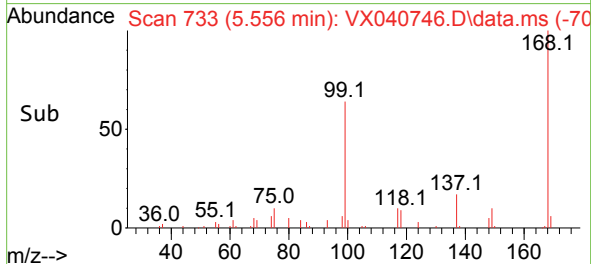
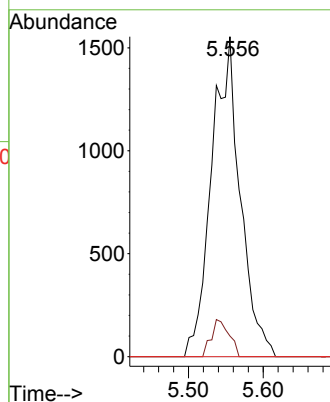
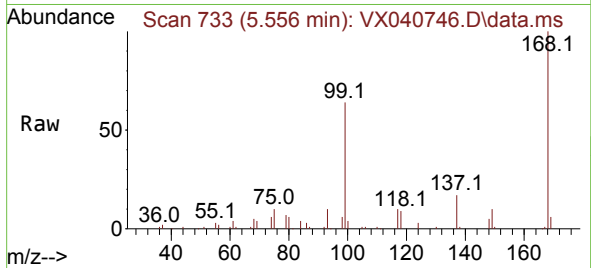




#36  
1,1-Dichloropropene  
Concen: 4.823 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

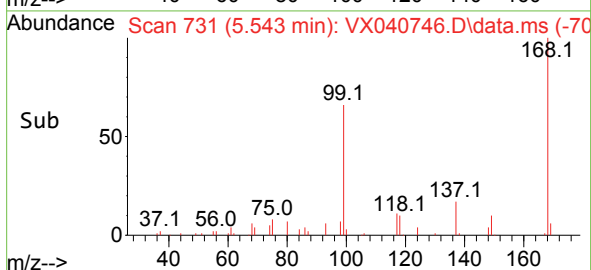
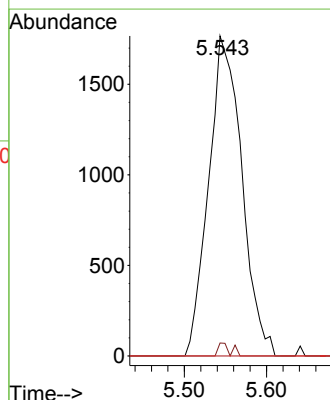
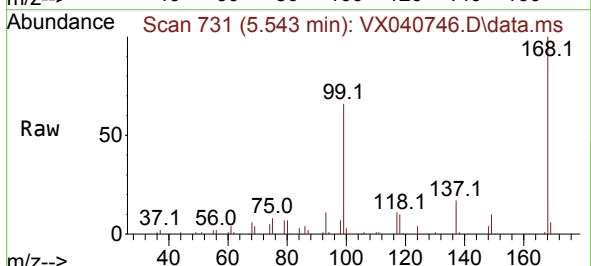
Instrument :  
MSVOA\_X  
ClientSampleId :

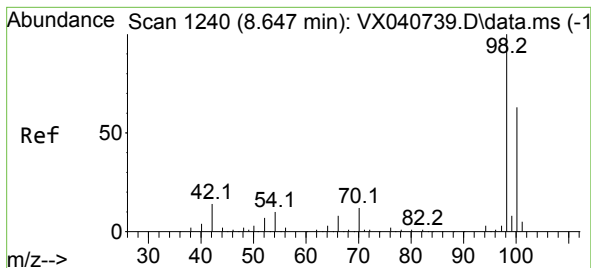
Tgt Ion: 75 Resp: 4143  
Ion Ratio Lower Upper  
75 100  
110 7.2 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.130 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.128 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Tgt Ion: 117 Resp: 4960  
Ion Ratio Lower Upper  
117 100  
119 4.1 78.2 117.2#  
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 46.611 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040746.D

Acq: 21 Mar 2024 16:36

Instrument :

MSVOA\_X

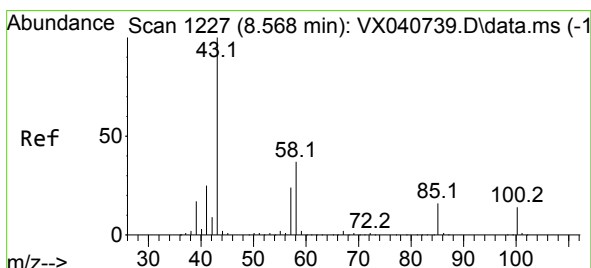
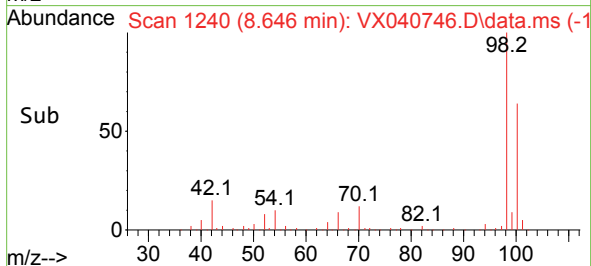
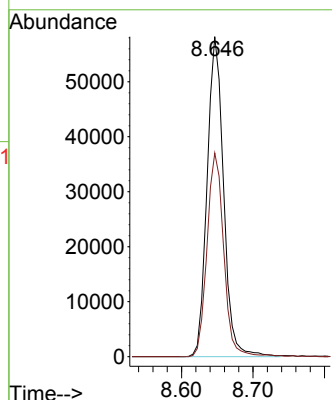
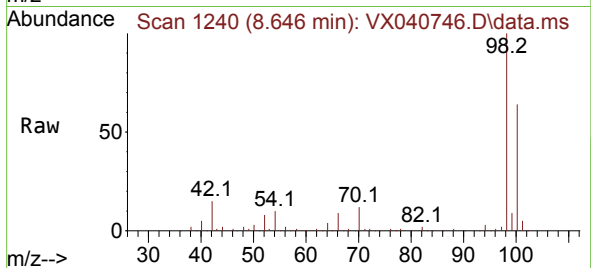
ClientSampleId :

Tgt Ion: 98 Resp: 93110

Ion Ratio Lower Upper

98 100

100 64.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.572 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. 0.073 min

Lab File: VX040746.D

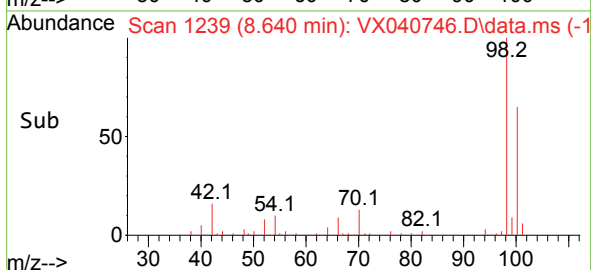
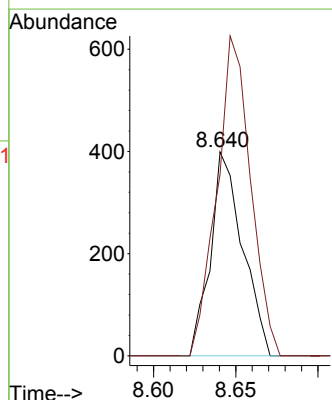
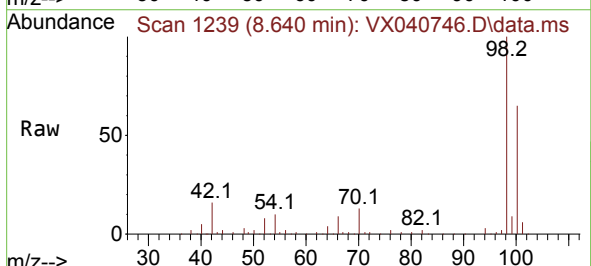
Acq: 21 Mar 2024 16:36

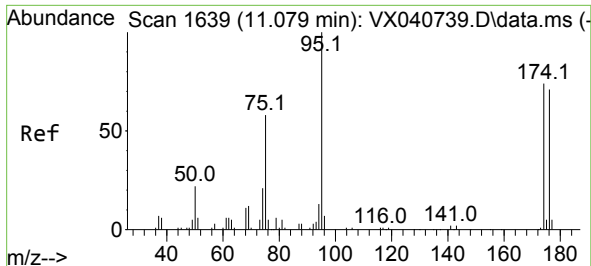
Tgt Ion: 43 Resp: 543

Ion Ratio Lower Upper

43 100

58 164.6 30.4 45.6#

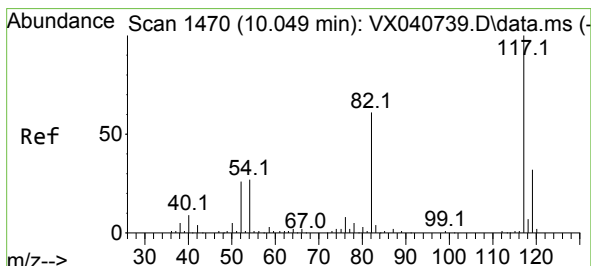
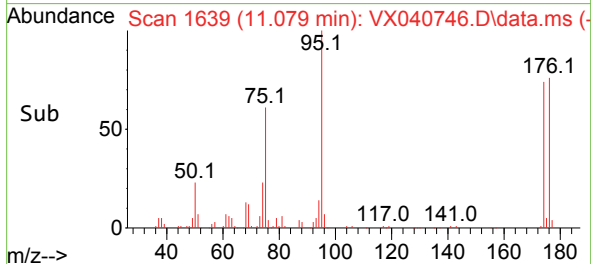
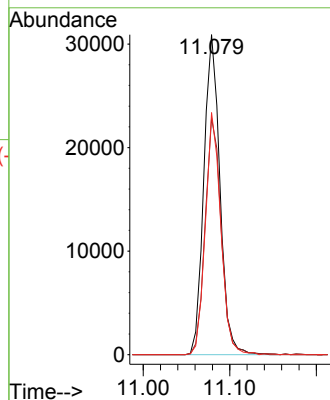
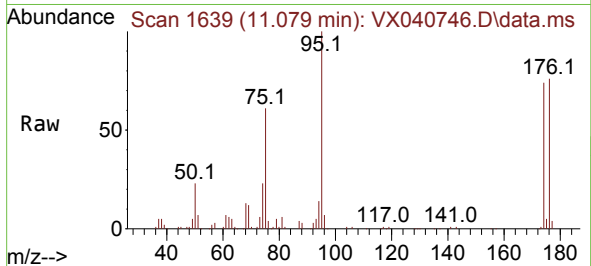




#62  
4-Bromofluorobenzene  
Concen: 50.459 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

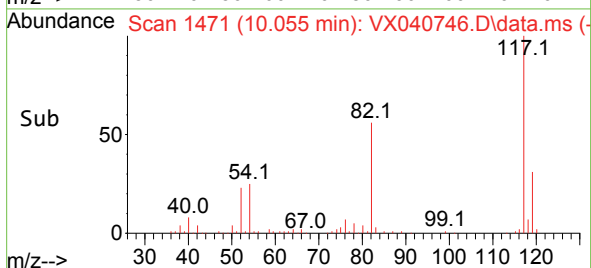
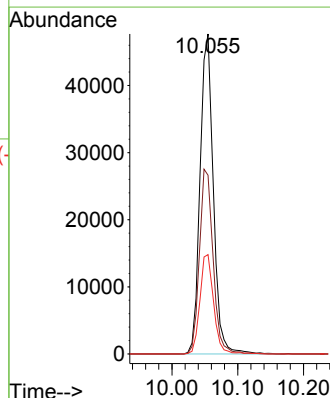
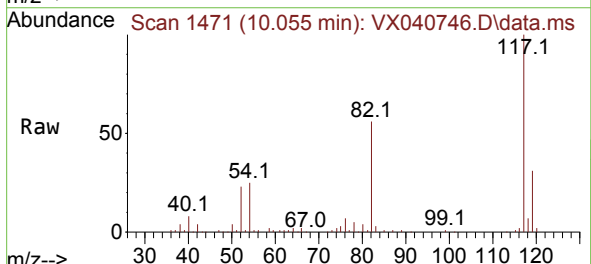
Instrument :  
MSVOA\_X  
ClientSampleId :

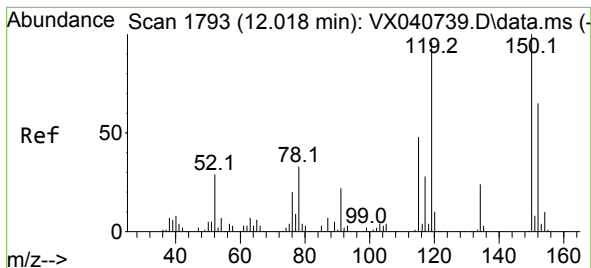
Tgt Ion: 95 Resp: 39824  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 135.6  
176 72.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

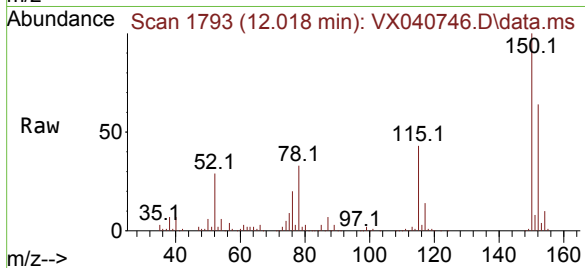
Tgt Ion: 117 Resp: 66993  
Ion Ratio Lower Upper  
117 100  
82 55.8 46.2 69.4  
119 31.1 25.5 38.3



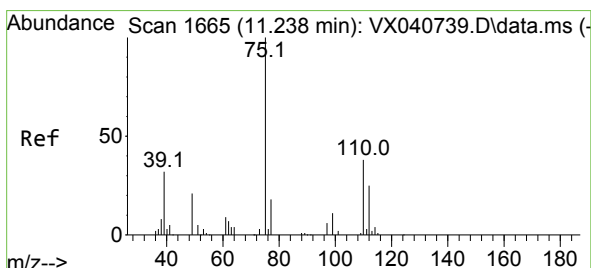
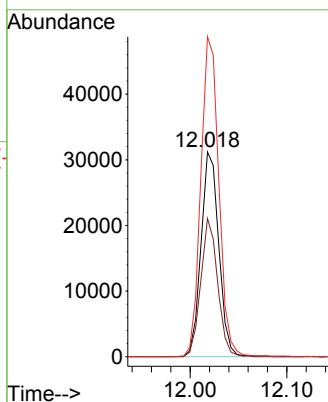
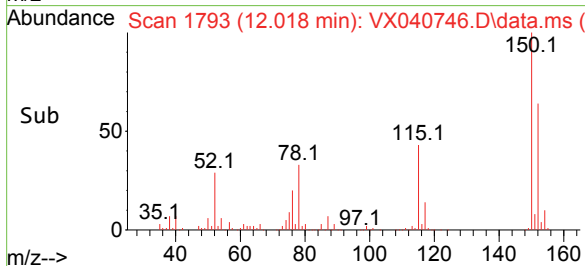


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Instrument :  
MSVOA\_X  
ClientSampleId :

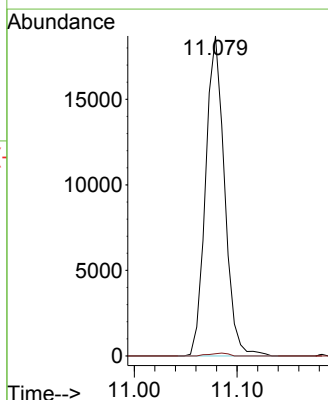
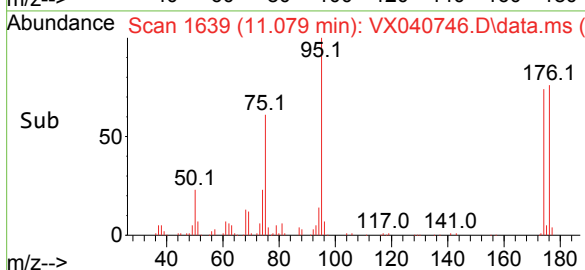
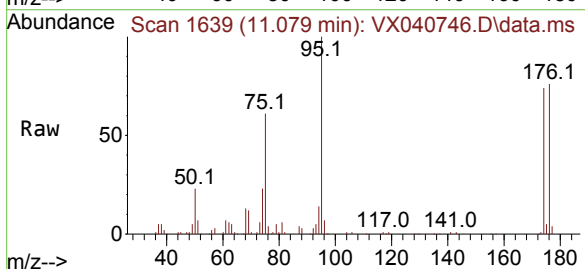


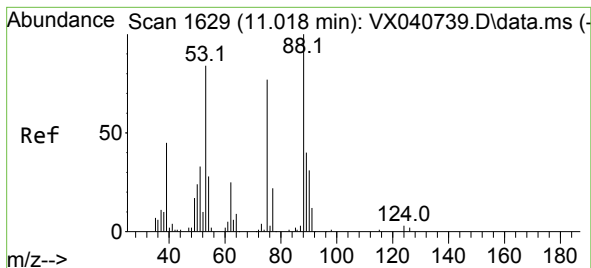
Tgt Ion:152 Resp: 39809  
Ion Ratio Lower Upper  
152 100  
115 64.3 43.3 129.9  
150 159.0 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 27.951 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Tgt Ion: 75 Resp: 23931  
Ion Ratio Lower Upper  
75 100  
77 0.9 19.1 57.5#

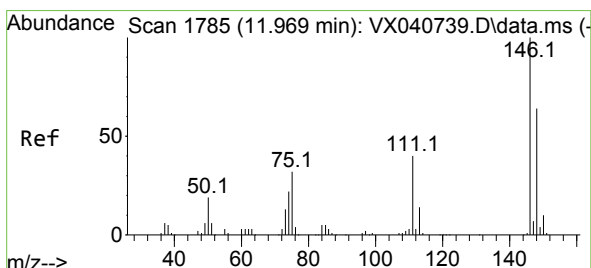
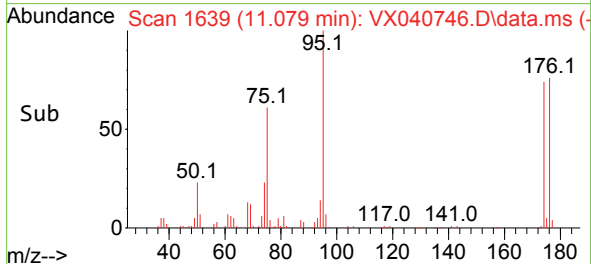
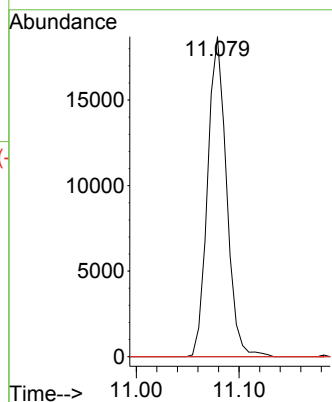
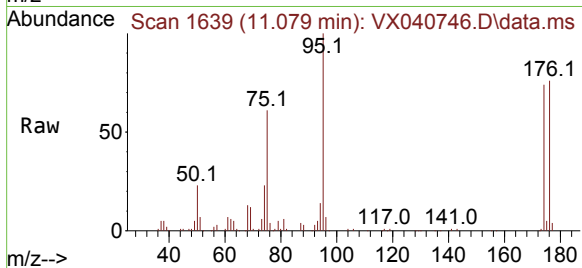




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.710 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX040746.D  
 Acq: 21 Mar 2024 16:36

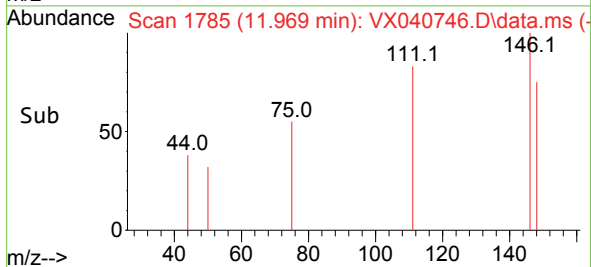
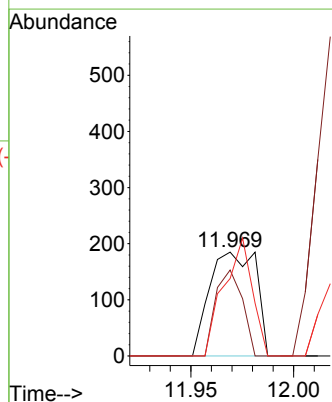
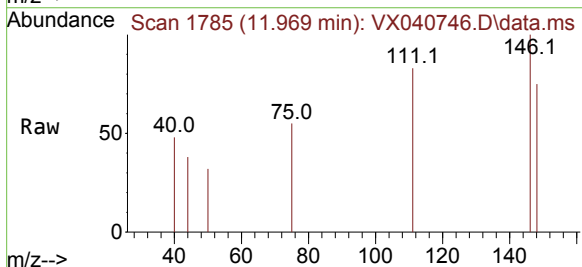
Instrument :  
 MSVOA\_X  
 ClientSampleId :

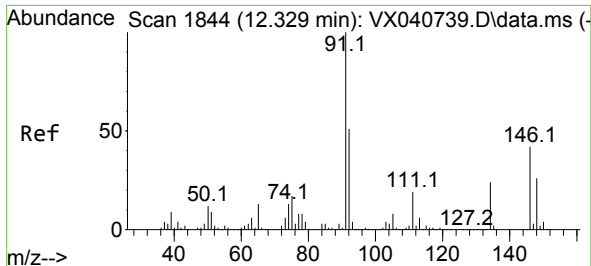
Tgt Ion: 75 Resp: 23931  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#



#87  
 1,3-Dichlorobenzene  
 Concen: 0.208 ug/l  
 RT: 11.969 min Scan# 1785  
 Delta R.T. -0.000 min  
 Lab File: VX040746.D  
 Acq: 21 Mar 2024 16:36

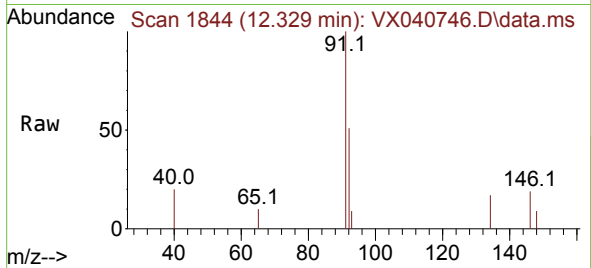
Tgt Ion:146 Resp: 290  
 Ion Ratio Lower Upper  
 146 100  
 111 47.6 22.1 66.1  
 148 69.7 31.8 95.3





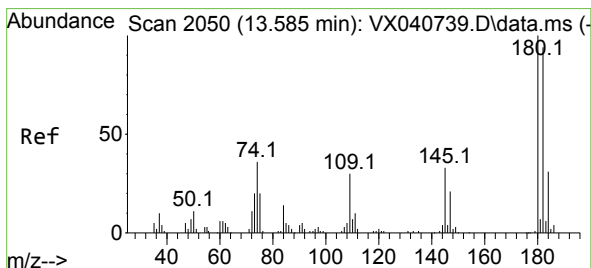
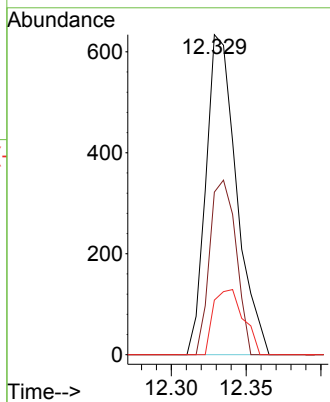
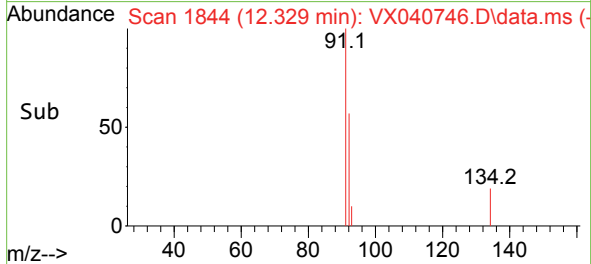
#89  
n-Butylbenzene  
Concen: 0.333 ug/l  
RT: 12.329 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

Instrument :  
MSVOA\_X  
ClientSampleId :

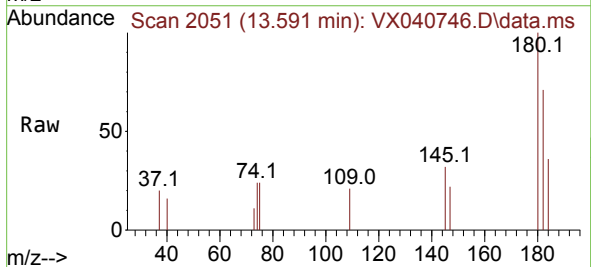


Tgt Ion: 91 Resp: 900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 47.0  | 27.4  | 82.0  |
| 134 | 20.0  | 12.6  | 37.8  |

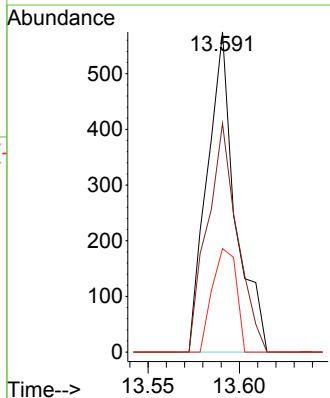
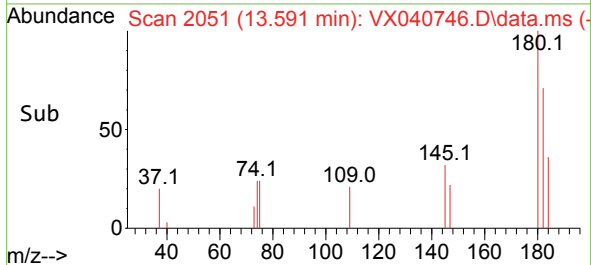


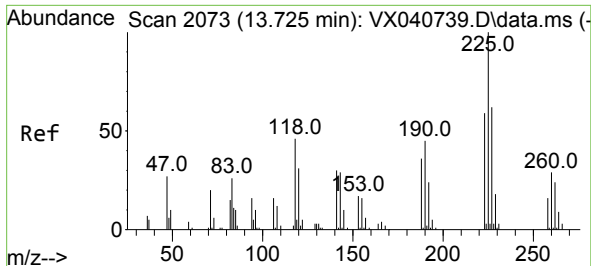
#93  
1,2,4-Trichlorobenzene  
Concen: 0.630 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36



Tgt Ion: 180 Resp: 614

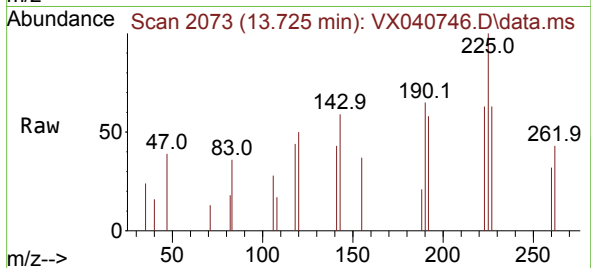
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 76.2  | 48.3  | 144.8 |
| 145 | 27.7  | 18.0  | 54.0  |



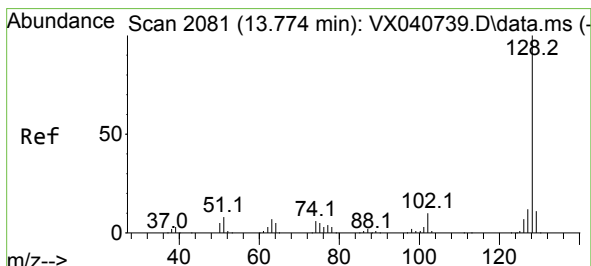
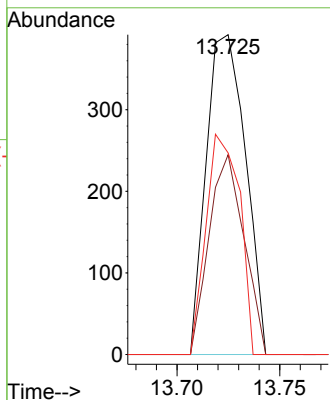
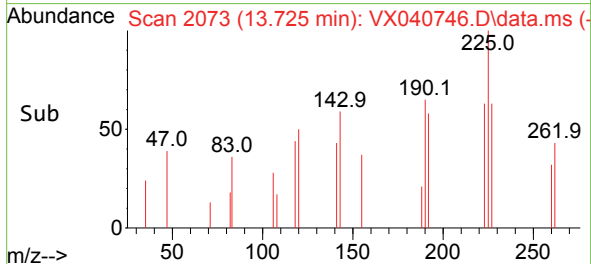


#94  
Hexachlorobutadiene  
Concen: 1.356 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36

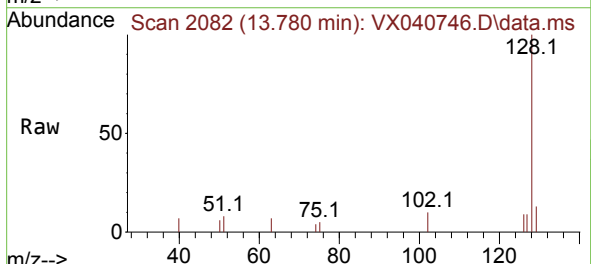
Instrument :  
MSVOA\_X  
ClientSampleId :



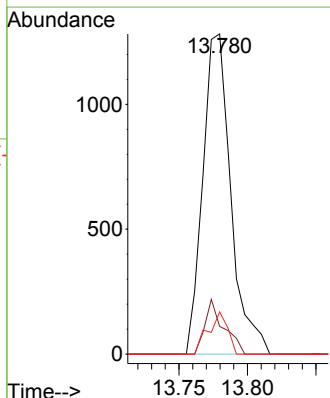
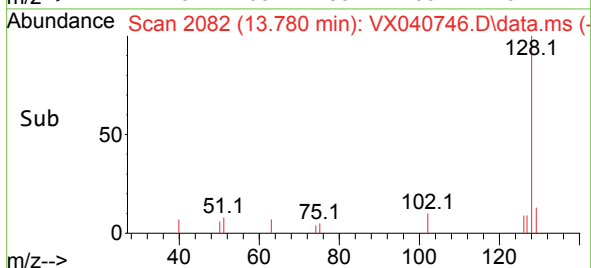
Tgt Ion:225 Resp: 521  
Ion Ratio Lower Upper  
225 100  
223 55.7 31.1 93.2  
227 58.9 32.5 97.5

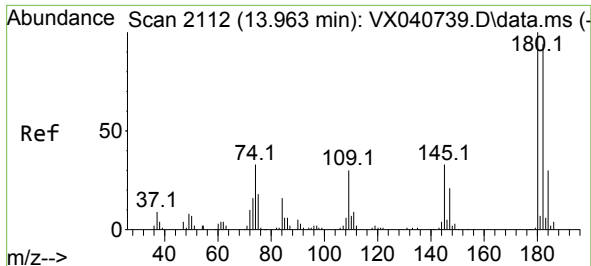


#95  
Naphthalene  
Concen: 0.590 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX040746.D  
Acq: 21 Mar 2024 16:36



Tgt Ion:128 Resp: 1821  
Ion Ratio Lower Upper  
128 100  
127 11.5 10.3 15.5  
129 9.1 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.666 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

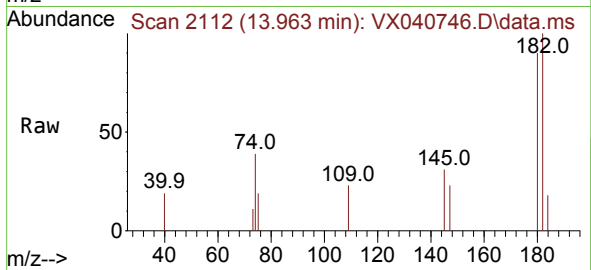
Lab File: VX040746.D

Acq: 21 Mar 2024 16:36

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 638

Ion Ratio Lower Upper

180 100

182 89.0 46.9 140.6

145 22.4 17.8 53.5

