

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
 Data File : VX041314.D  
 Acq On : 01 May 2024 09:31  
 Operator : JC/MD  
 Sample : VX0501MBL01  
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 02 03:05:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

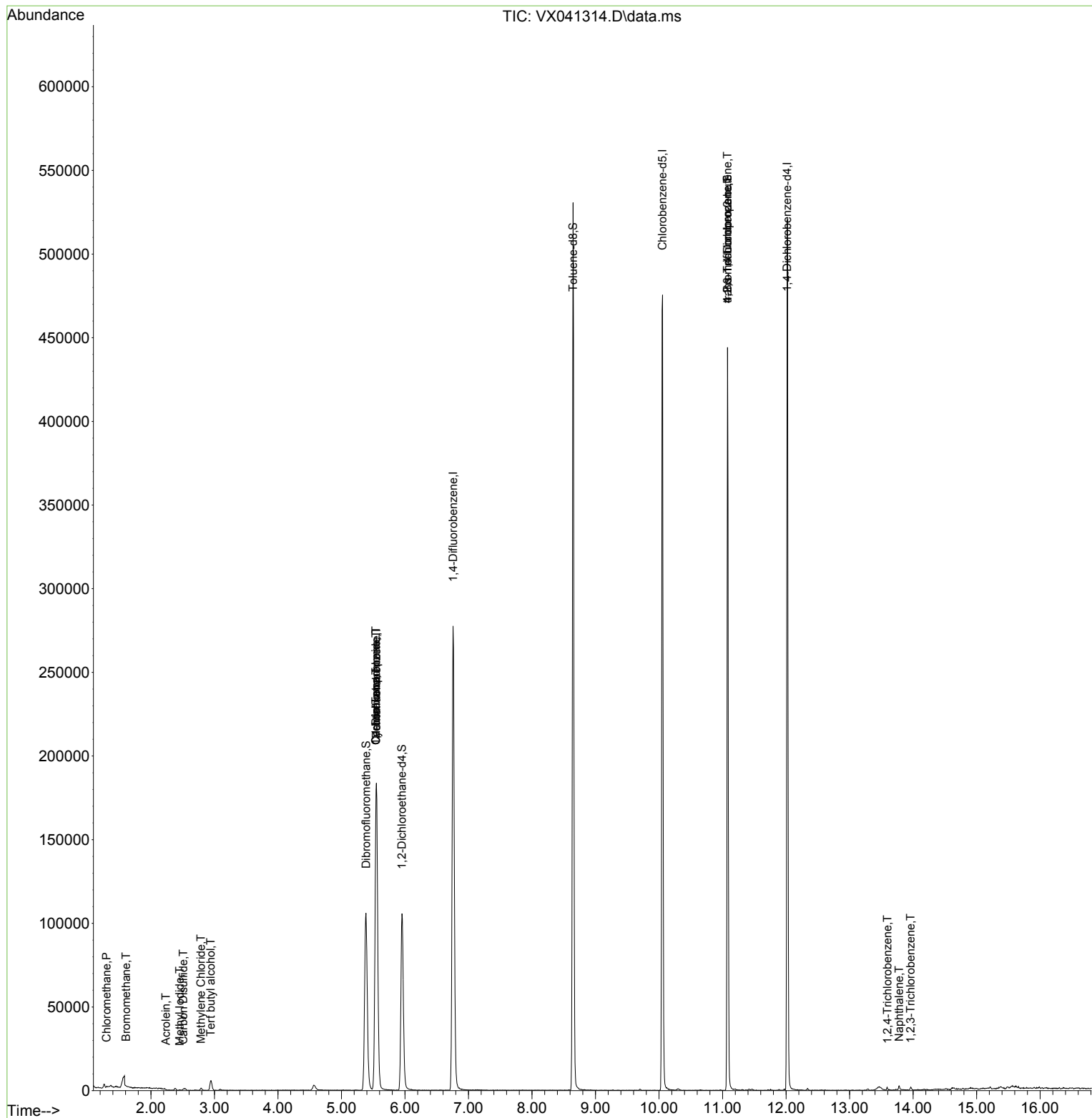
| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 5.549  | 168   | 202553   | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 296300   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 230723   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 117395   | 50.000    | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 106607   | 48.346    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =     | 96.700%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 92814    | 46.224    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =     | 92.440%  |
| 50) Toluene-d8                | 8.646  | 98    | 304589   | 47.927    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =     | 95.860%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 105655   | 42.946    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =     | 85.900%  |
| Target Compounds              |        |       |          |           |       |          |
|                               |        |       |          |           |       | Qvalue   |
| 3) Chloromethane              | 1.300  | 50    | 356      | 0.207     | ug/l  | # 89     |
| 5) Bromomethane               | 1.605  | 94    | 355      | 0.345     | ug/l  | 83       |
| 10) Methyl Iodide             | 2.452  | 142   | 361      | 0.211     | ug/l  | # 34     |
| 11) Tert butyl alcohol        | 2.940  | 59    | 3557     | 8.059     | ug/l  | # 78     |
| 13) Acrolein                  | 2.233  | 56    | 98       | 0.280     | ug/l  | # 80     |
| 16) Acetone                   | 2.385  | 43    | 1325     | Below Cal |       | # 89     |
| 17) Carbon Disulfide          | 2.507  | 76    | 1088     | 0.295     | ug/l  | # 76     |
| 20) Methylene Chloride        | 2.788  | 84    | 609      | 0.318     | ug/l  | # 75     |
| 31) Cyclohexane               | 5.543  | 56    | 3264     | 1.226     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 5.543  | 75    | 12275    | 5.112     | ug/l  | # 52     |
| 38) Carbon Tetrachloride      | 5.543  | 117   | 17456    | 6.346     | ug/l  | # 15     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 53210    | 27.812    | ug/l  | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 53210    | 75.758    | ug/l  | # 5      |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 569      | 0.210     | ug/l  | 85       |
| 95) Naphthalene               | 13.780 | 128   | 2586     | 0.322     | ug/l  | # 96     |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 639      | 0.230     | ug/l  | 90       |
| -----                         |        |       |          |           |       |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050124\  
Data File : VX041314.D  
Acq On : 01 May 2024 09:31  
Operator : JC/MD  
Sample : VX0501MBL01  
Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: May 02 03:05:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration



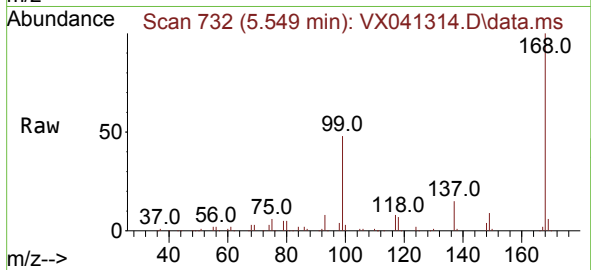


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

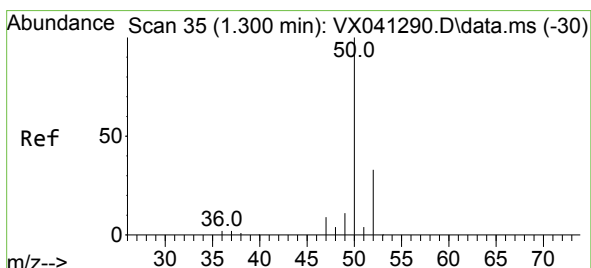
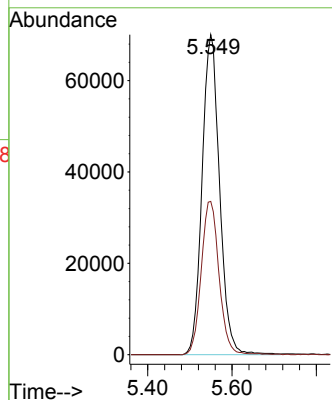
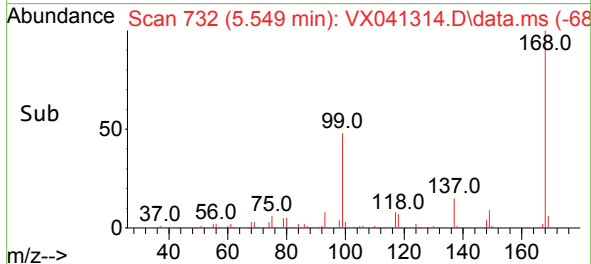
Instrument :

MSVOA\_X

ClientSampleId :

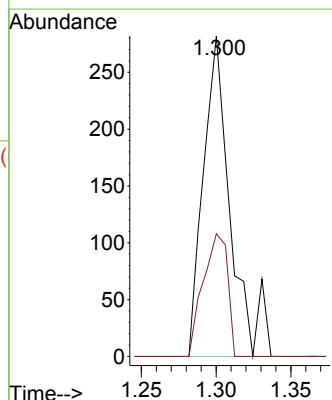
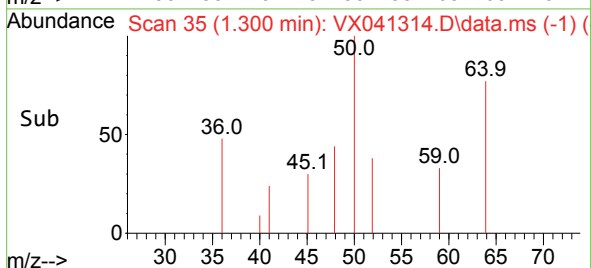
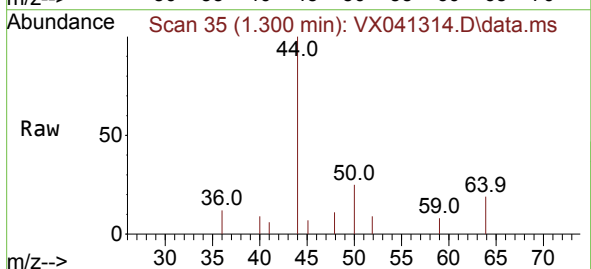


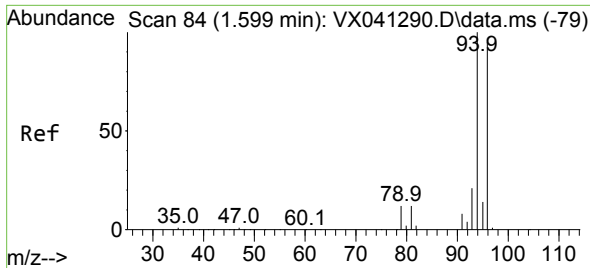
Tgt Ion:168 Resp: 202553  
Ion Ratio Lower Upper  
168 100  
99 47.9 56.6 85.0#



#3  
Chloromethane  
Concen: 0.207 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Tgt Ion: 50 Resp: 356  
Ion Ratio Lower Upper  
50 100  
52 38.3 25.5 38.3#

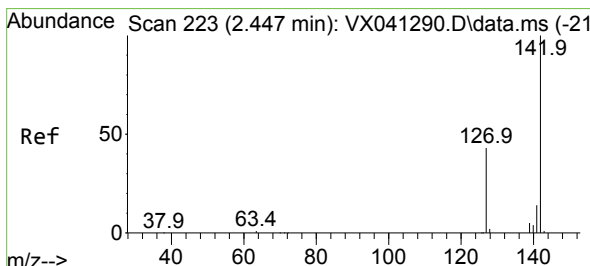
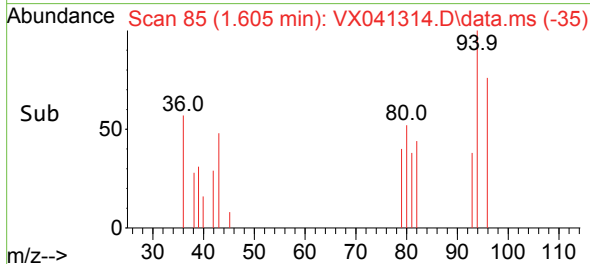
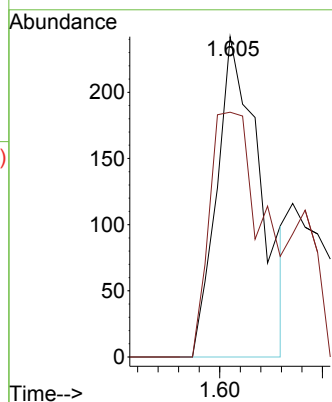
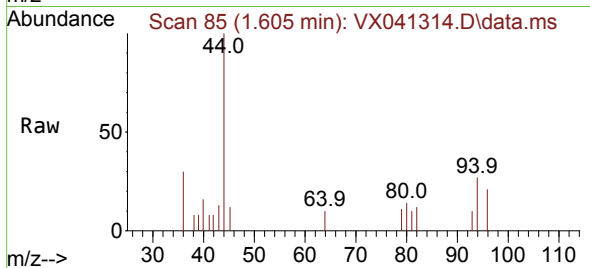




#5  
Bromomethane  
Concen: 0.345 ug/l  
RT: 1.605 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

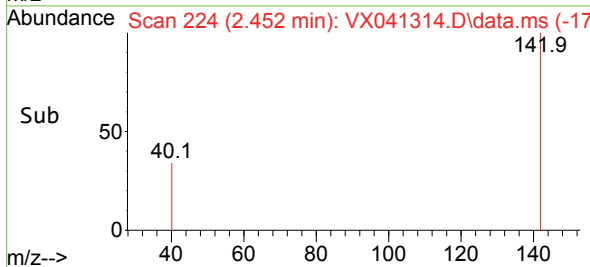
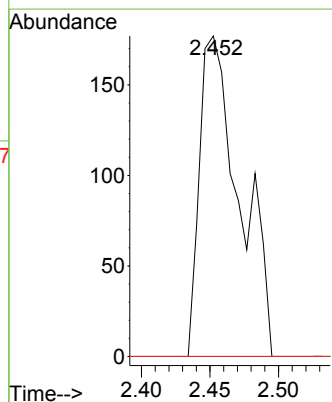
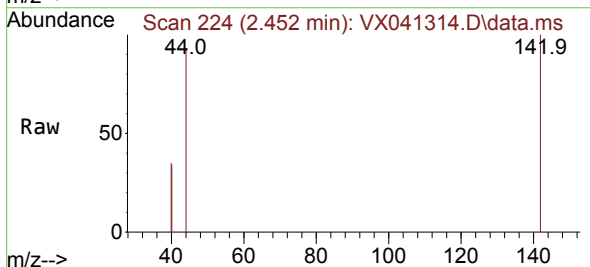
Instrument :  
MSVOA\_X  
ClientSampleId :

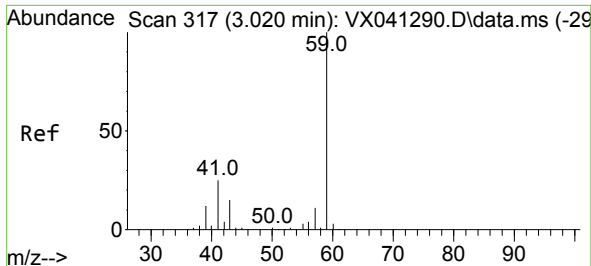
Tgt Ion: 94 Resp: 355  
Ion Ratio Lower Upper  
94 100  
96 76.4 74.6 111.8



#10  
Methyl Iodide  
Concen: 0.211 ug/l  
RT: 2.452 min Scan# 224  
Delta R.T. 0.005 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Tgt Ion:142 Resp: 361  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.6 62.4#  
141 0.0 11.6 17.4#

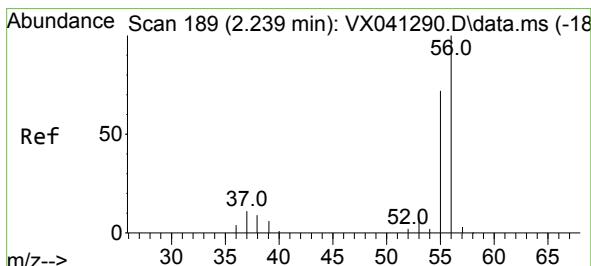
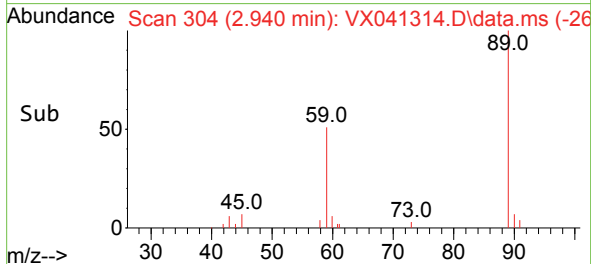
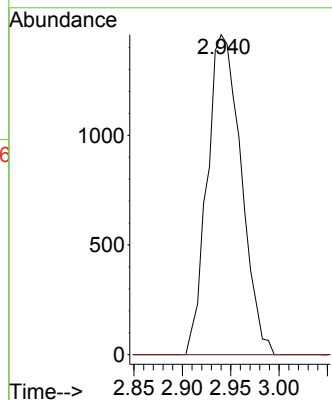
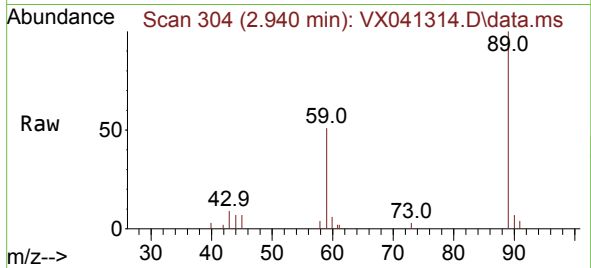




#11  
Tert butyl alcohol  
Concen: 8.059 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.080 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

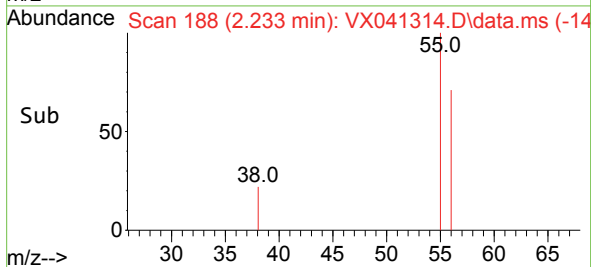
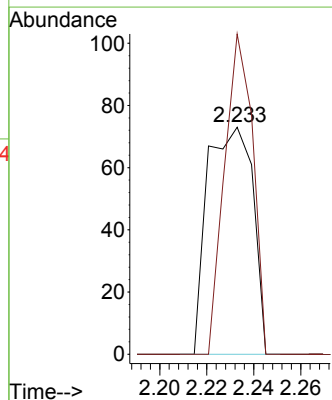
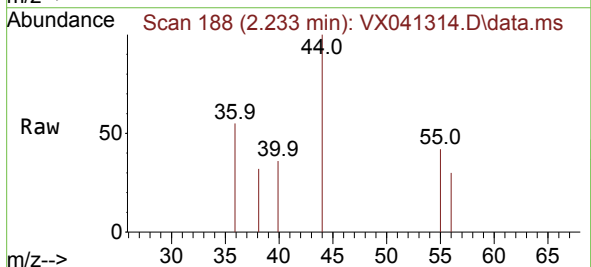
Instrument :  
MSVOA\_X  
ClientSampleId :

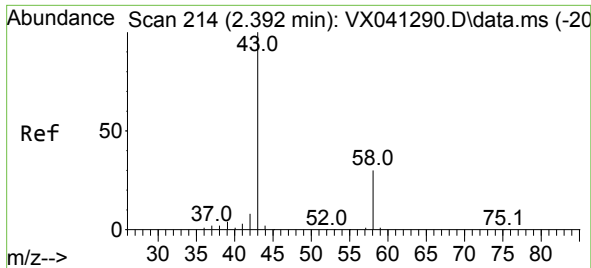
Tgt Ion: 59 Resp: 3557  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



#13  
Acrolein  
Concen: 0.280 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.006 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Tgt Ion: 56 Resp: 98  
Ion Ratio Lower Upper  
56 100  
55 87.8 57.1 85.7#

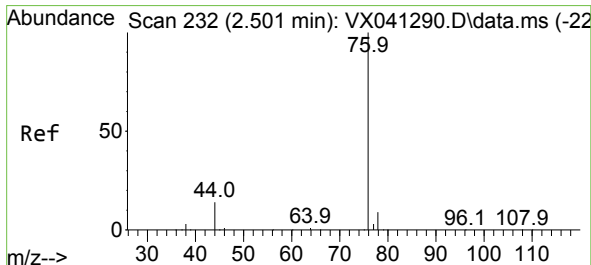
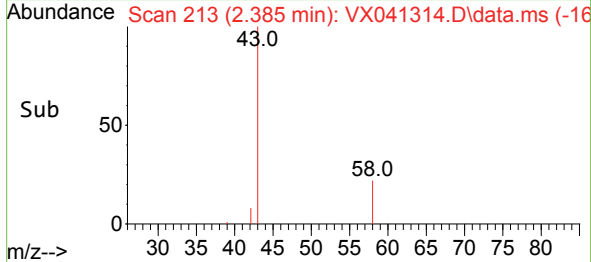
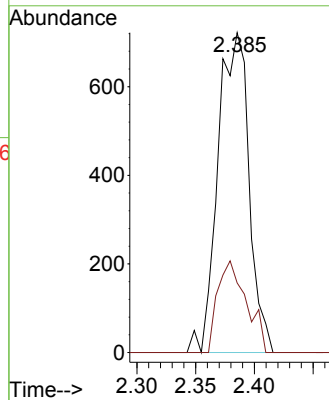
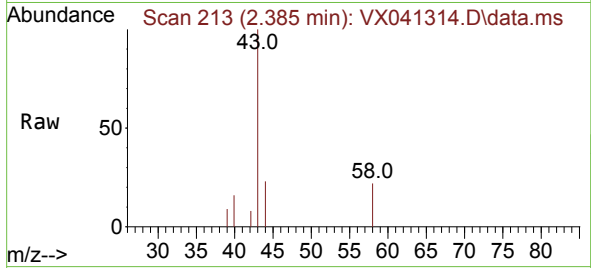




#16  
Acetone  
Concen: Below Cal  
RT: 2.385 min Scan# 214  
Delta R.T. -0.007 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

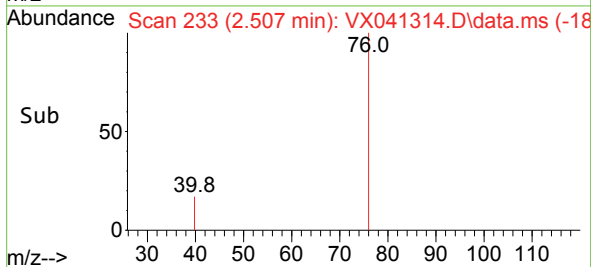
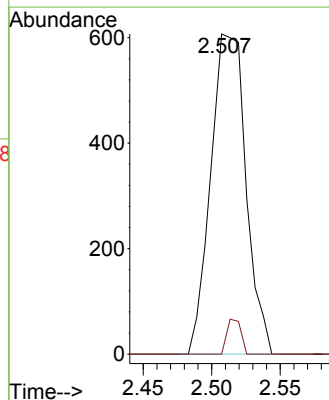
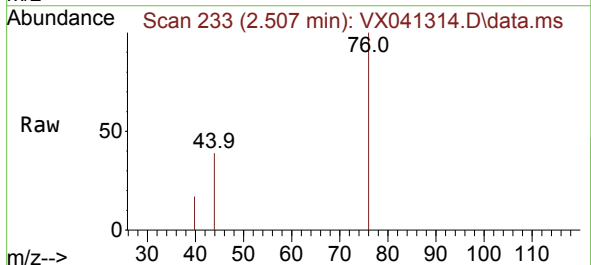
Instrument :  
MSVOA\_X  
ClientSampleId :

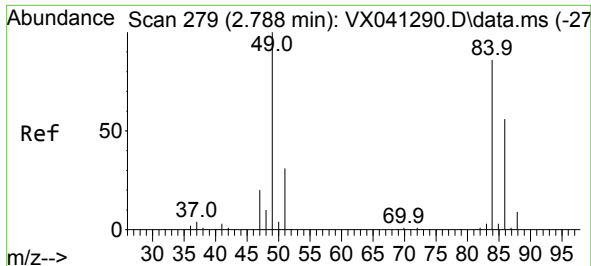
Tgt Ion: 43 Resp: 1325  
Ion Ratio Lower Upper  
43 100  
58 21.7 21.9 32.9#



#17  
Carbon Disulfide  
Concen: 0.295 ug/l  
RT: 2.507 min Scan# 233  
Delta R.T. 0.006 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

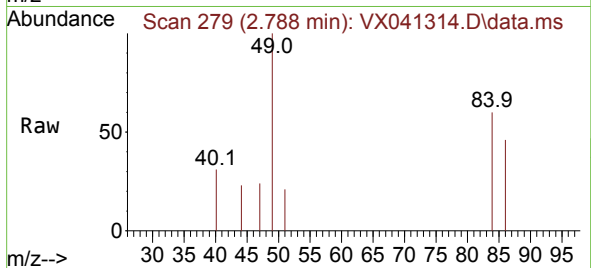
Tgt Ion: 76 Resp: 1088  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#





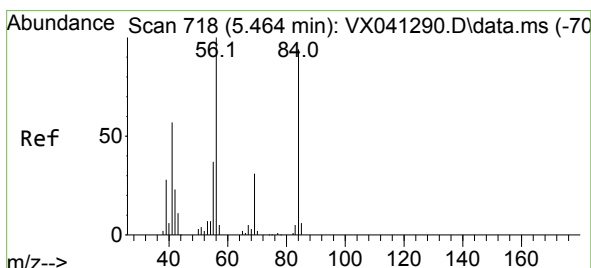
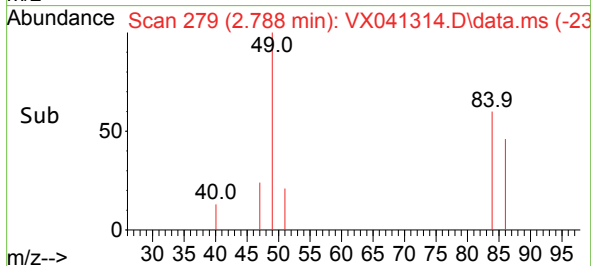
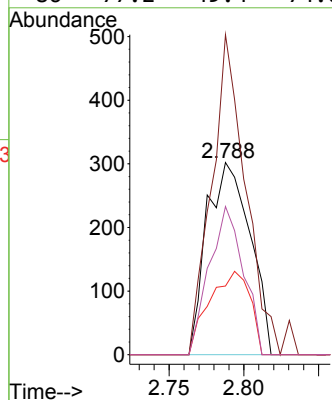
#20  
Methylene Chloride  
Concen: 0.318 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 609

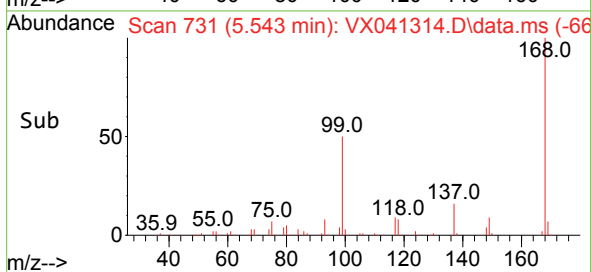
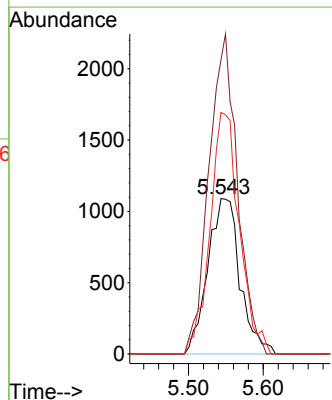
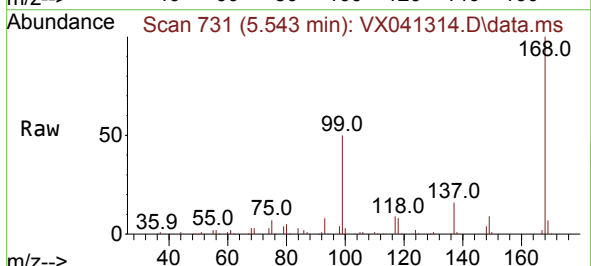
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 166.6 | 103.6 | 155.4# |
| 51  | 35.8  | 33.8  | 50.6   |
| 86  | 77.2  | 49.4  | 74.0#  |

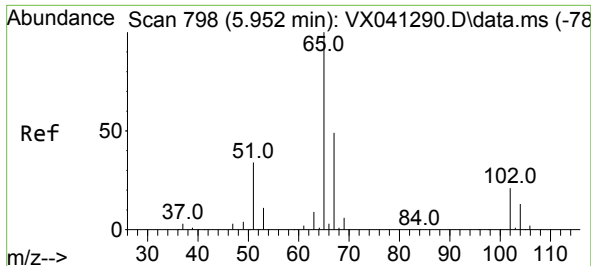


#31  
Cyclohexane  
Concen: 1.226 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Tgt Ion: 56 Resp: 3264

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 189.3 | 23.4  | 35.2# |
| 84  | 155.3 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 48.346 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041314.D

Acq: 01 May 2024 09:31

Instrument :

MSVOA\_X

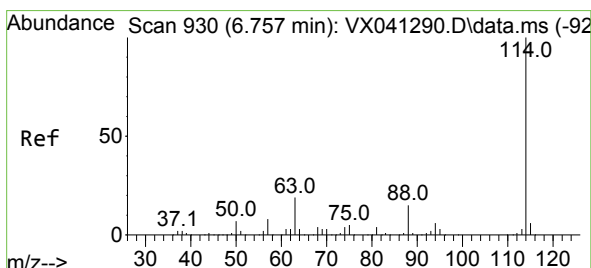
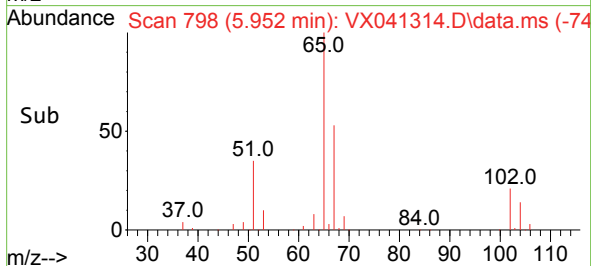
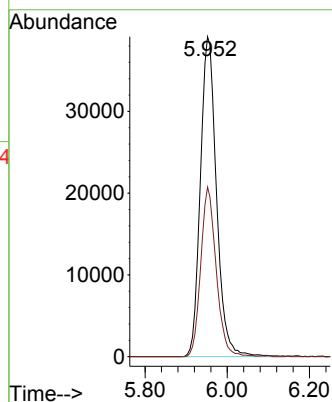
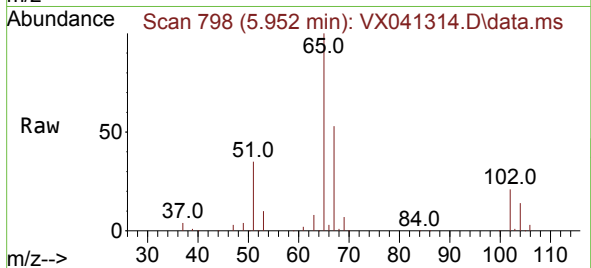
ClientSampleId :

Tgt Ion: 65 Resp: 106607

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041314.D

Acq: 01 May 2024 09:31

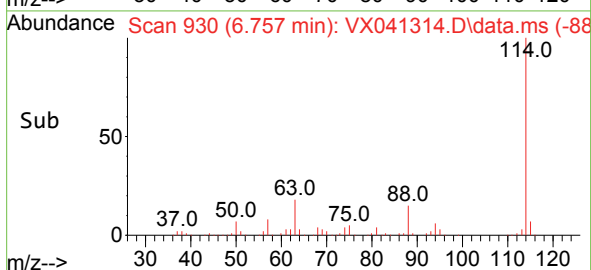
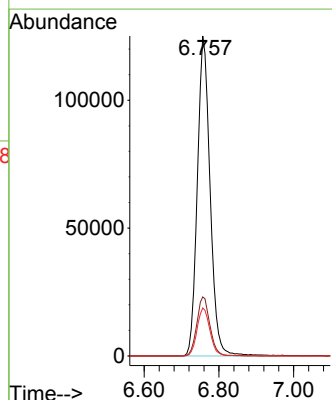
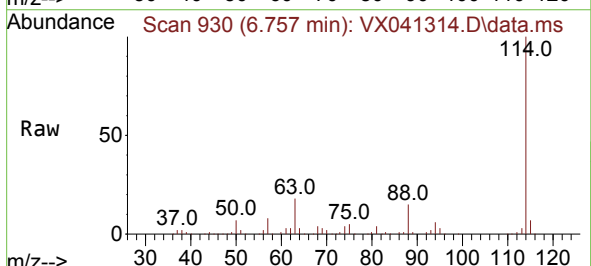
Tgt Ion: 114 Resp: 296300

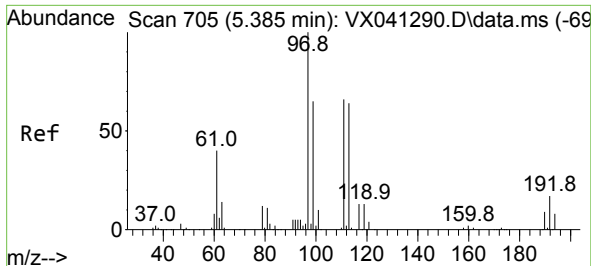
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

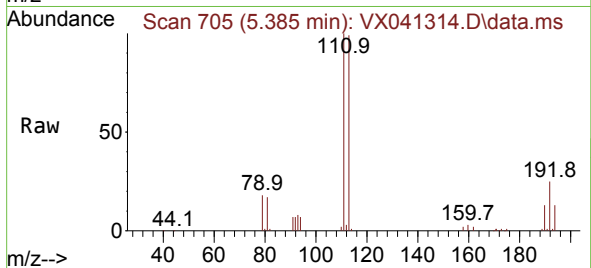
88 15.0 0.0 36.6



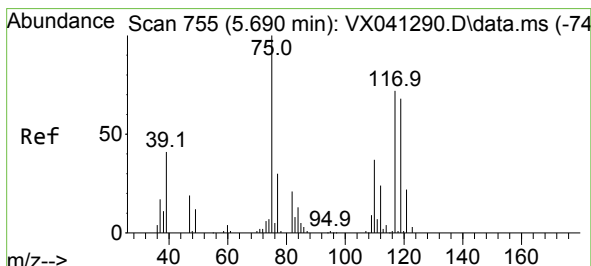
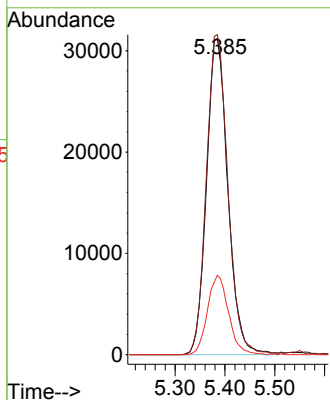
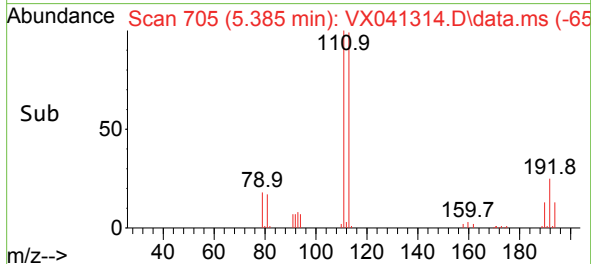


#35  
Dibromofluoromethane  
Concen: 46.224 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Instrument :  
MSVOA\_X  
ClientSampleId :

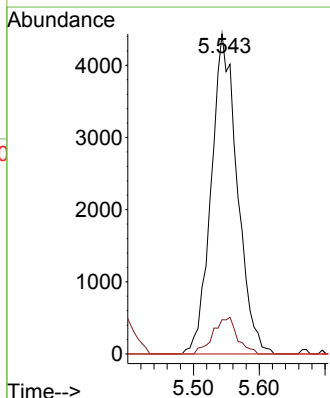
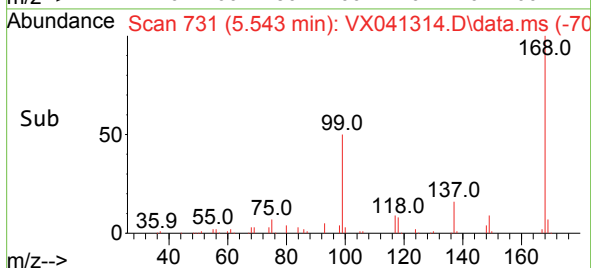
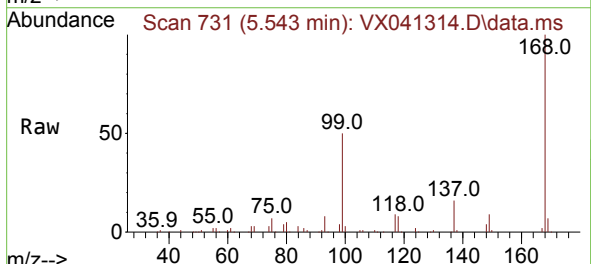


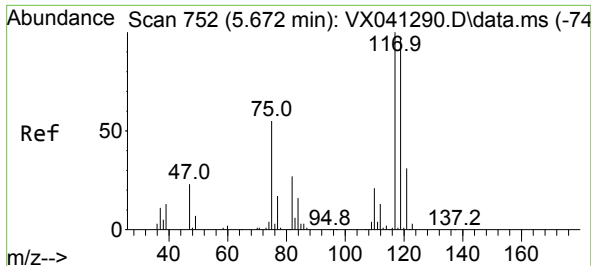
Tgt Ion:113 Resp: 92814  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 24.8 13.3 19.9#



#36  
1,1-Dichloropropene  
Concen: 5.112 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.147 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

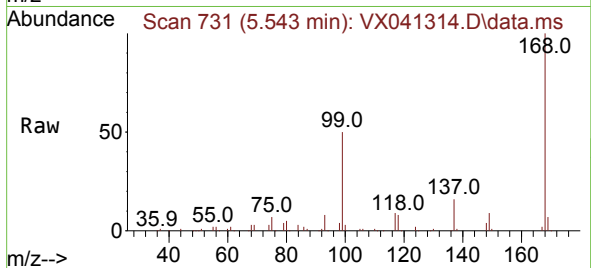
Tgt Ion: 75 Resp: 12275  
Ion Ratio Lower Upper  
75 100  
110 10.6 17.0 50.9#  
77 0.0 24.7 37.1#



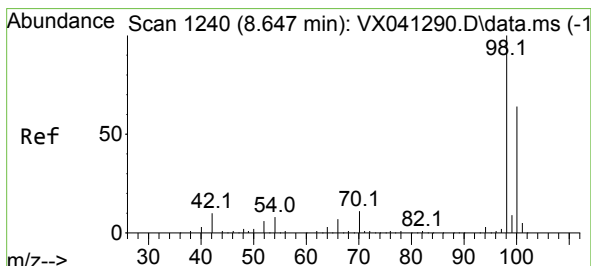
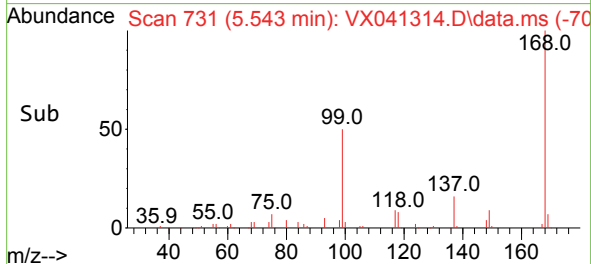
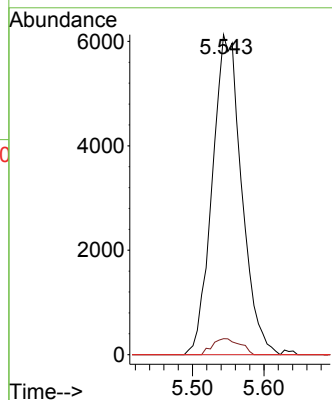


#38  
Carbon Tetrachloride  
Concen: 6.346 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Instrument :  
MSVOA\_X  
ClientSampleId :

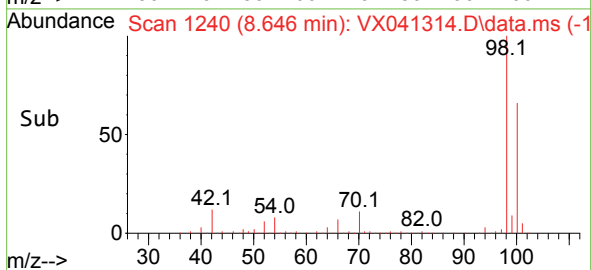
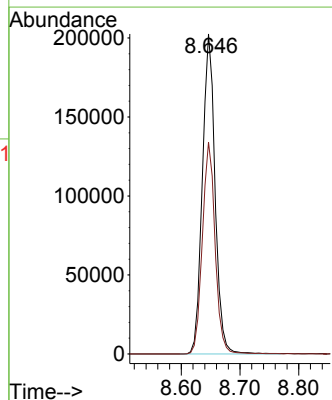
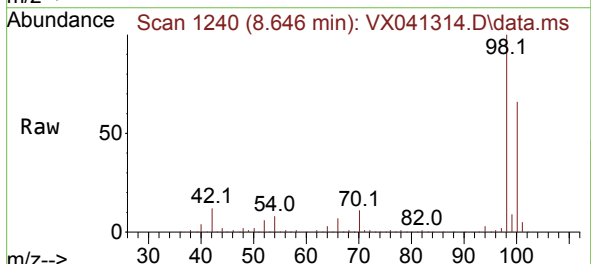


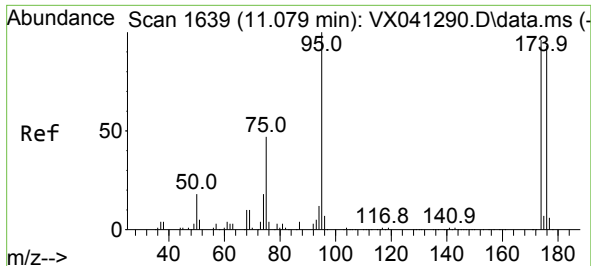
Tgt Ion:117 Resp: 17456  
Ion Ratio Lower Upper  
117 100  
119 5.0 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 47.927 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Tgt Ion: 98 Resp: 304589  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.1 79.7

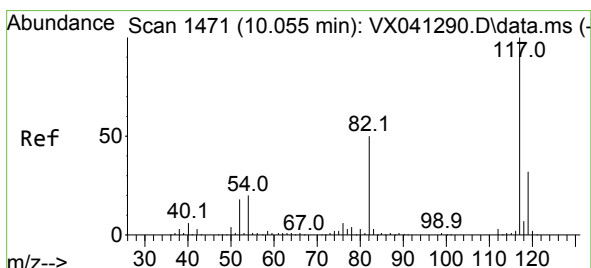
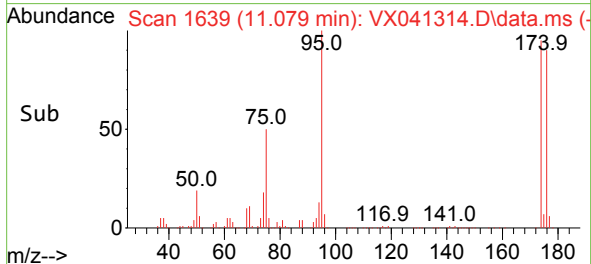
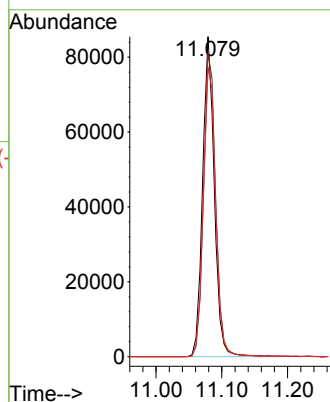
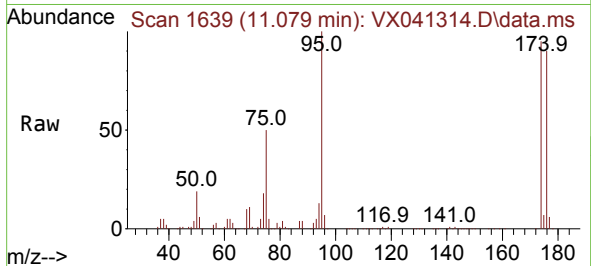




#62  
4-Bromofluorobenzene  
Concen: 42.946 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

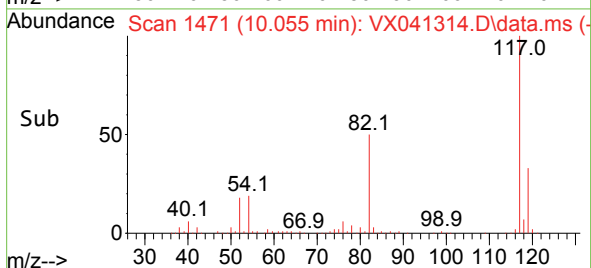
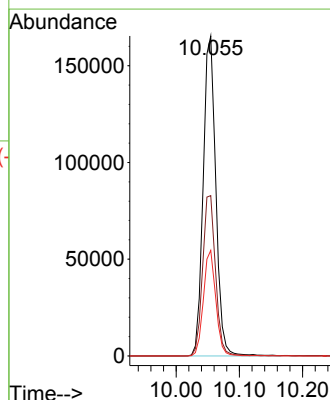
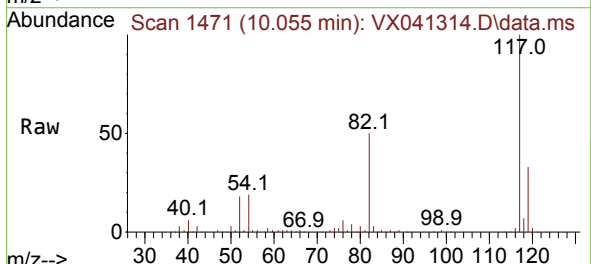
Instrument :  
MSVOA\_X  
ClientSampleId :

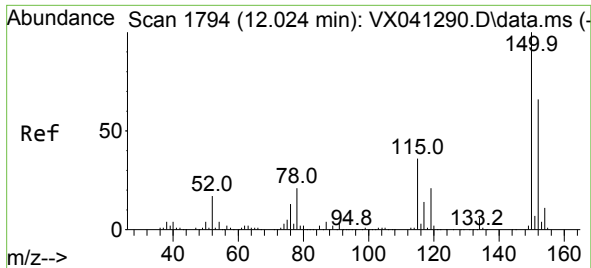
Tgt Ion: 95 Resp: 105655  
Ion Ratio Lower Upper  
95 100  
174 99.3 0.0 135.6  
176 95.3 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

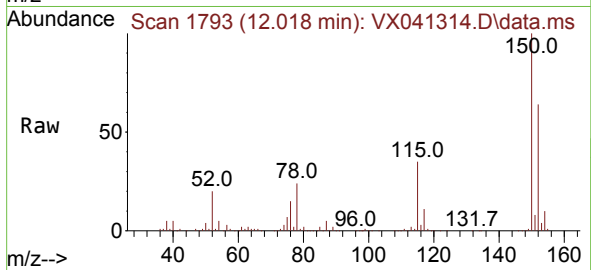
Tgt Ion: 117 Resp: 230723  
Ion Ratio Lower Upper  
117 100  
82 50.1 46.2 69.4  
119 33.0 25.5 38.3



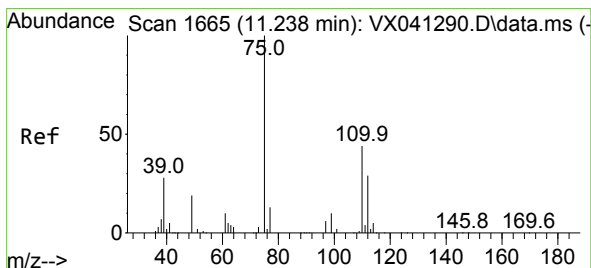
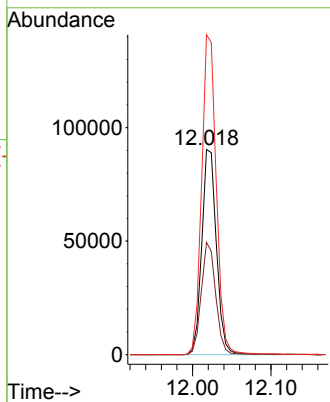
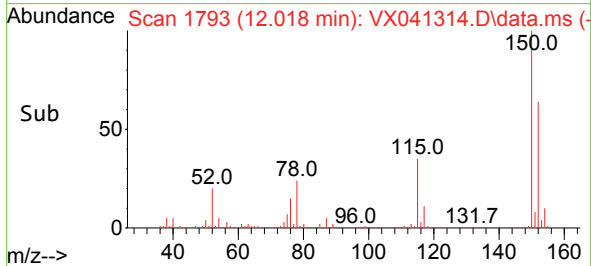


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

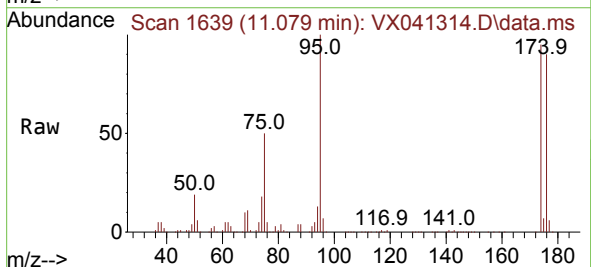
Instrument :  
MSVOA\_X  
ClientSampleId :



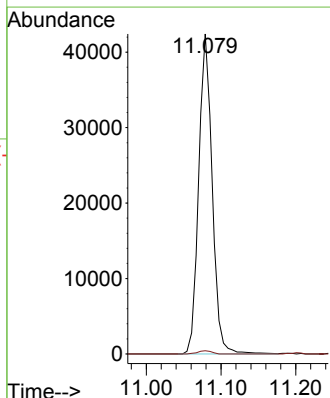
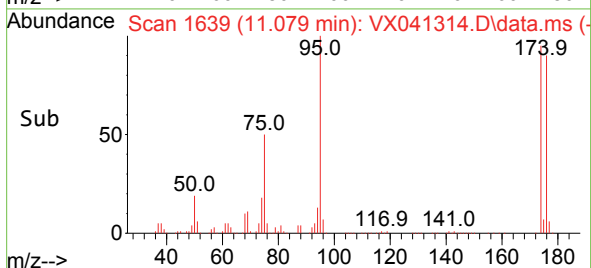
Tgt Ion:152 Resp: 117395  
Ion Ratio Lower Upper  
152 100  
115 54.2 43.3 129.9  
150 155.4 0.0 345.0

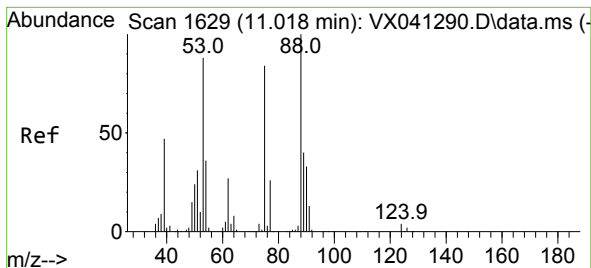


#76  
1,2,3-Trichloropropane  
Concen: 27.812 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31



Tgt Ion: 75 Resp: 53210  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#

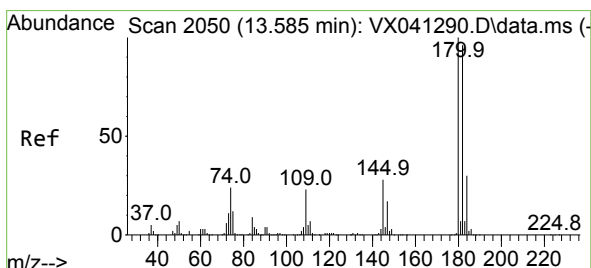
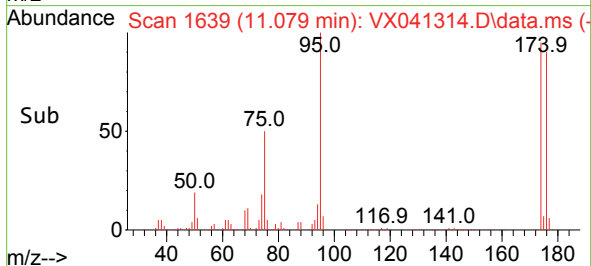
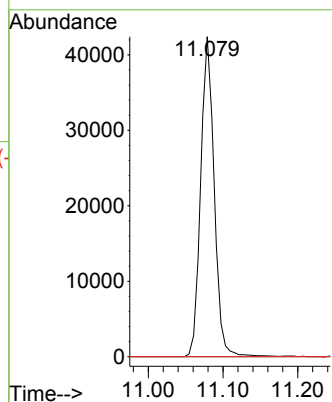
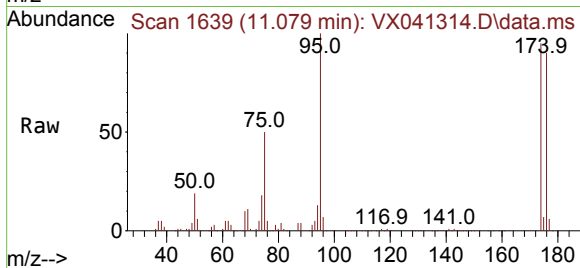




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.758 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

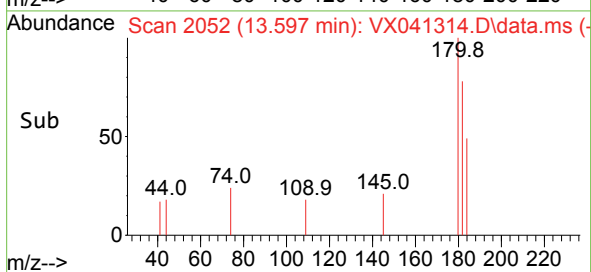
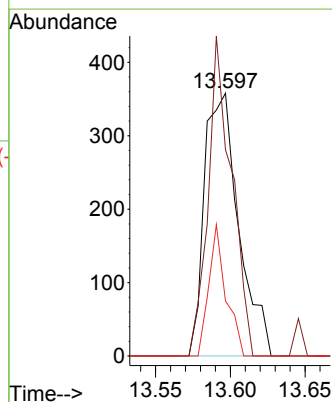
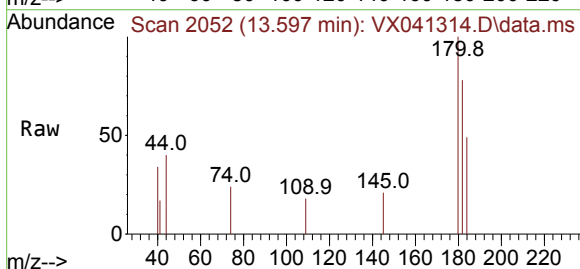
Instrument :  
MSVOA\_X  
ClientSampleId :

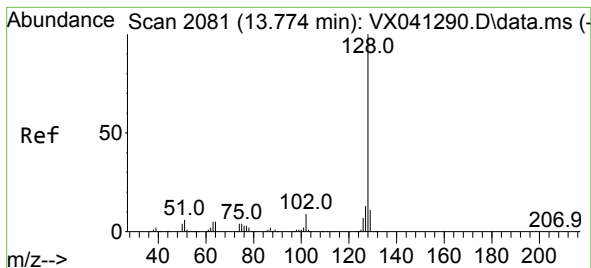
Tgt Ion: 75 Resp: 53210  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.210 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.012 min  
Lab File: VX041314.D  
Acq: 01 May 2024 09:31

Tgt Ion:180 Resp: 569  
Ion Ratio Lower Upper  
180 100  
182 83.7 48.3 144.8  
145 25.1 18.0 54.0





#95

Naphthalene

Concen: 0.322 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

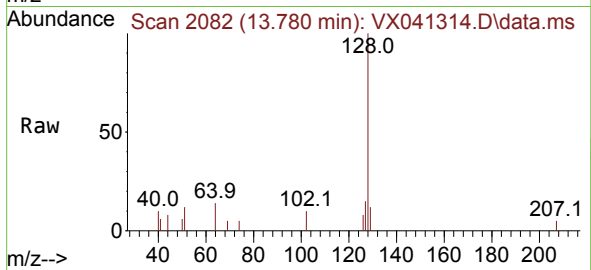
Lab File: VX041314.D

Acq: 01 May 2024 09:31

Instrument :

MSVOA\_X

ClientSampleId :



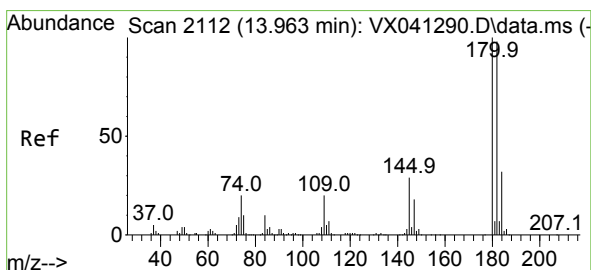
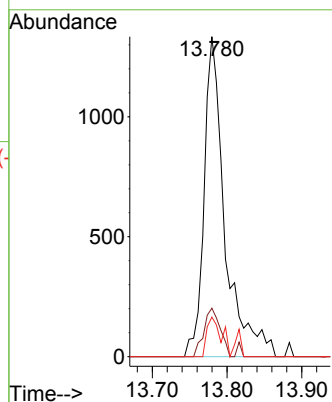
Tgt Ion:128 Resp: 2586

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 8.6 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.230 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX041314.D

Acq: 01 May 2024 09:31

Tgt Ion:180 Resp: 639

Ion Ratio Lower Upper

180 100

182 102.0 46.9 140.6

145 43.5 17.8 53.5

