

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101524\  
 Data File : VX043390.D  
 Acq On : 15 Oct 2024 09:08 am  
 Operator : JC/MD  
 Sample : VX1015MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 16 01:49:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 16:50:57 2024  
 Response via : Initial Calibration

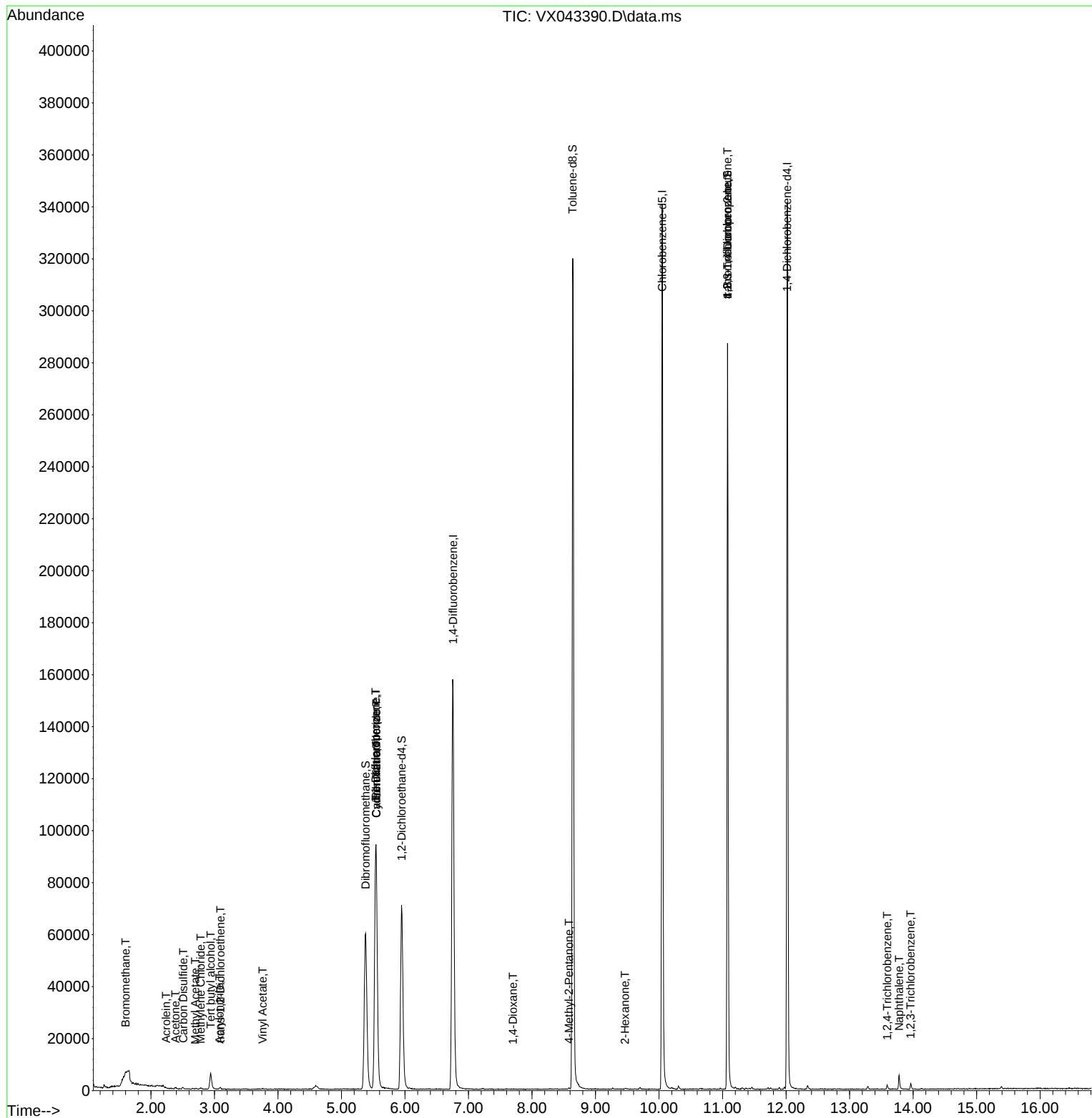
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 86937    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 161203   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 147754   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 69484    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 73400    | 51.697   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 103.400% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 52628    | 47.339   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 94.680%  |          |
| 50) Toluene-d8                | 8.641  | 98    | 193109   | 50.124   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 100.240% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 74988    | 53.577   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 107.160% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 1.599  | 94    | 251      | 0.589    | ug/l #     | 80       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 3532     | 13.073   | ug/l #     | 71       |
| 13) Acrolein                  | 2.239  | 56    | 180      | 0.705    | ug/l #     | 60       |
| 15) Acrylonitrile             | 3.081  | 53    | 211      | 0.382    | ug/l #     | 34       |
| 16) Acetone                   | 2.386  | 43    | 638      | 1.076    | ug/l #     | 86       |
| 17) Carbon Disulfide          | 2.508  | 76    | 809      | 0.344    | ug/l #     | 76       |
| 18) Methyl Acetate            | 2.697  | 43    | 380      | 0.255    | ug/l #     | 51       |
| 20) Methylene Chloride        | 2.782  | 84    | 305      | 0.279    | ug/l #     | 77       |
| 21) trans-1,2-Dichloroethene  | 3.093  | 96    | 237      | 0.247    | ug/l #     | 57       |
| 23) Vinyl Acetate             | 3.757  | 43    | 321      | 6.429    | ug/l #     | 71       |
| 31) Cyclohexane               | 5.550  | 56    | 2091     | 1.365    | ug/l #     | 14       |
| 36) 1,1-Dichloropropene       | 5.538  | 75    | 7754     | 5.521    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 9935     | 5.975    | ug/l #     | 15       |
| 49) 1,4-Dioxane               | 7.702  | 88    | 59       | 2.221    | ug/l #     | 23       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43    | 456      | 0.270    | ug/l #     | 37       |
| 59) 2-Hexanone                | 9.464  | 43    | 448      | 0.350    | ug/l #     | 33       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 41290    | 26.790   | ug/l #     | 33       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 41290    | 69.431   | ug/l #     | 8        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 606      | 0.444    | ug/l       | 90       |
| 95) Naphthalene               | 13.780 | 128   | 4099     | 0.817    | ug/l       | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 779      | 0.553    | ug/l       | 90       |
| -----                         |        |       |          |          |            |          |

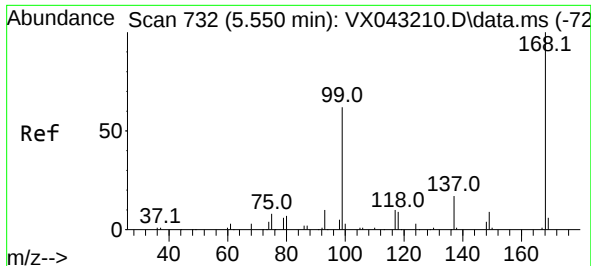
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101524\  
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Sample : VX1015MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Oct 16 01:49:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 02 16:50:57 2024  
Response via : Initial Calibration

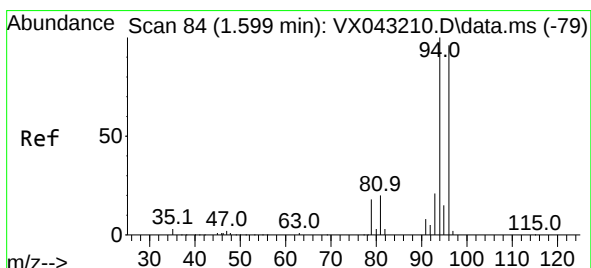
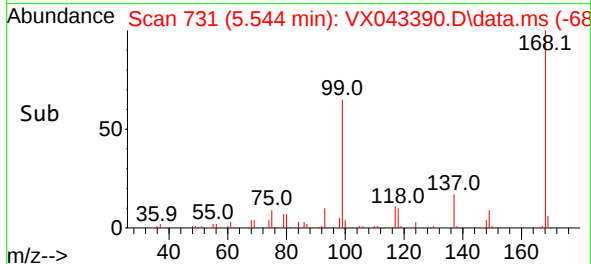
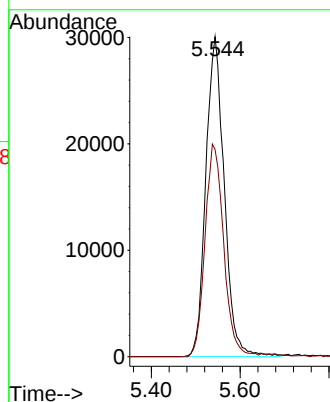
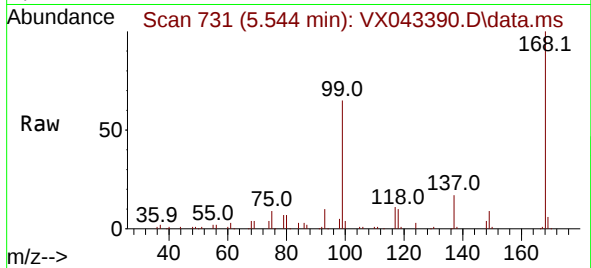




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

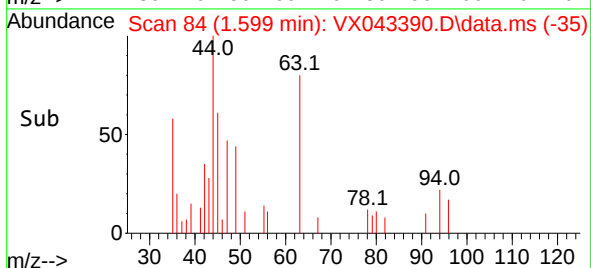
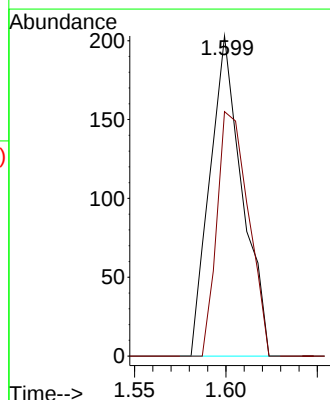
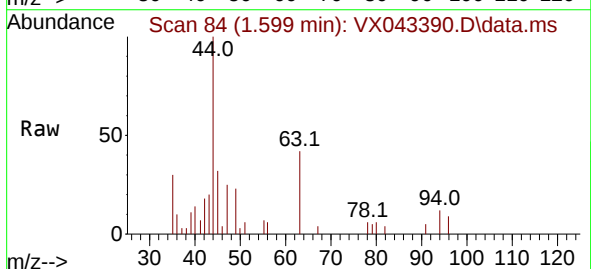
Instrument :  
MSVOA\_X  
ClientSampleId :

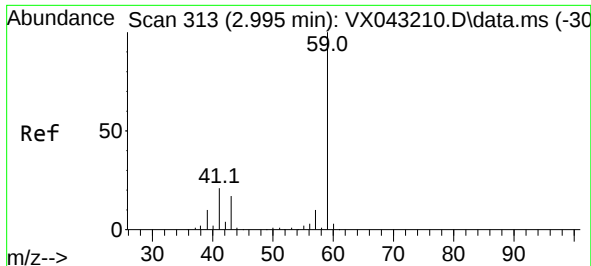
Tgt Ion:168 Resp: 86937  
Ion Ratio Lower Upper  
168 100  
99 64.7 49.7 74.5



#5  
Bromomethane  
Concen: 0.589 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

Tgt Ion: 94 Resp: 251  
Ion Ratio Lower Upper  
94 100  
96 76.4 76.6 115.0#

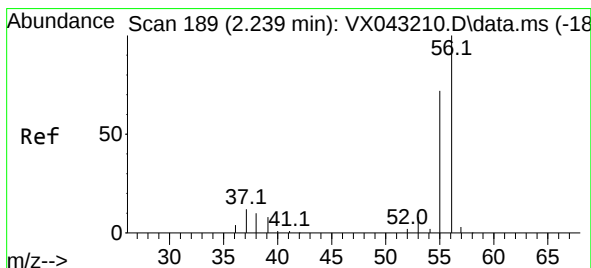
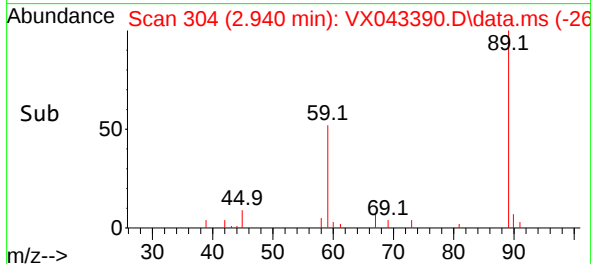
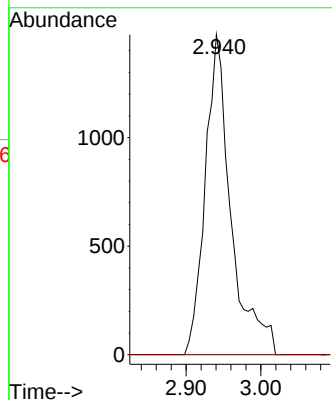
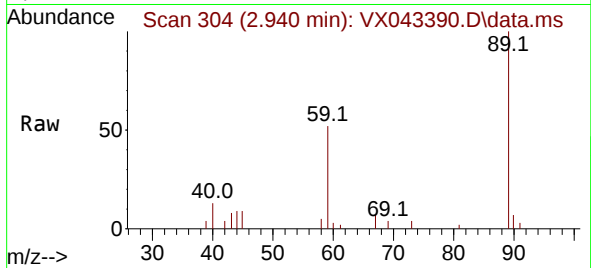




#11  
Tert butyl alcohol  
Concen: 13.073 ug/l  
RT: 2.940 min Scan# 30  
Delta R.T. -0.055 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

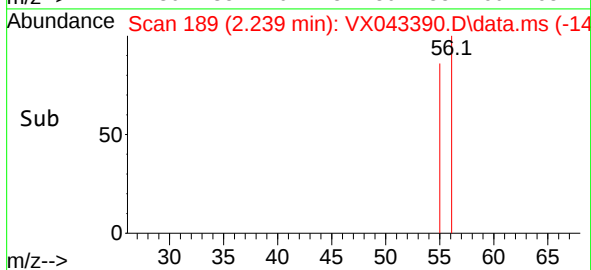
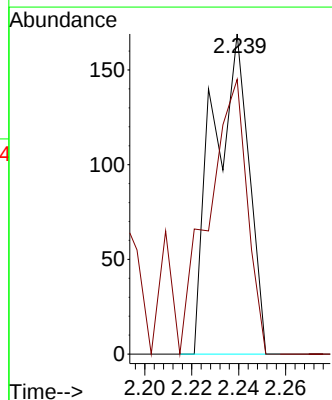
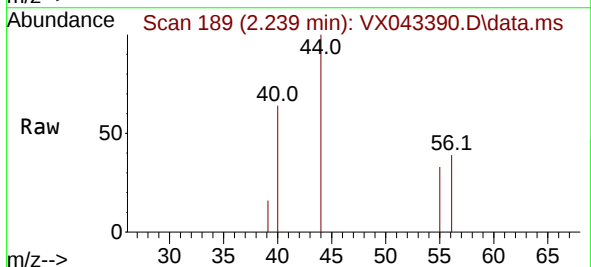
Instrument :  
MSVOA\_X  
ClientSampleId :

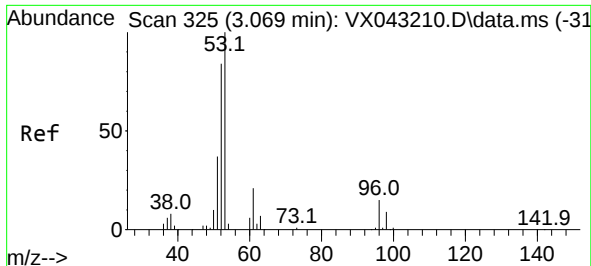
Tgt Ion: 59 Resp: 3532  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 13.0#



#13  
Acrolein  
Concen: 0.705 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. -0.000 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

Tgt Ion: 56 Resp: 180  
Ion Ratio Lower Upper  
56 100  
55 105.0 57.4 86.0#





#15

Acrylonitrile

Concen: 0.382 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX043390.D

Acq: 15 Oct 2024 09:08

Instrument :

MSVOA\_X

ClientSampleId :

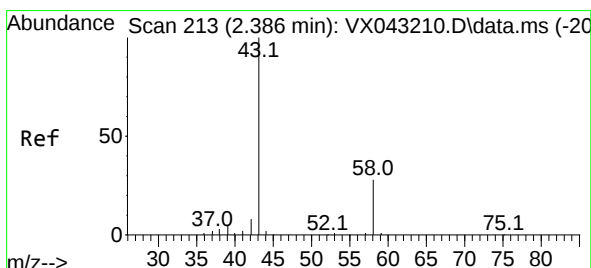
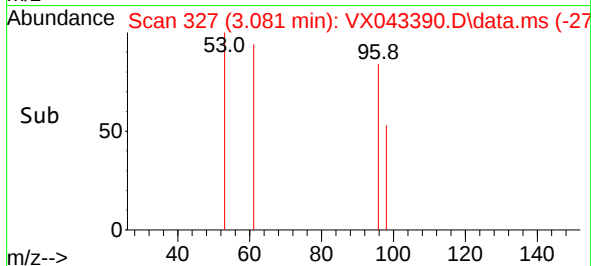
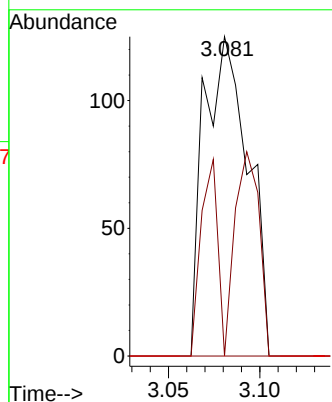
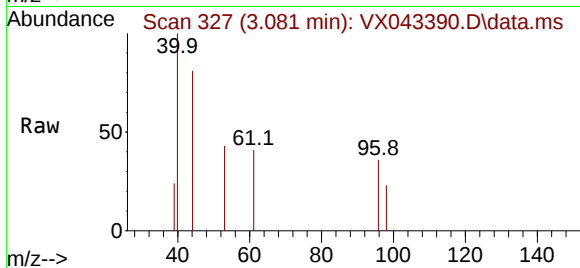
Tgt Ion: 53 Resp: 211

Ion Ratio Lower Upper

53 100

52 23.2 67.6 101.4#

51 0.0 30.3 45.5#



#16

Acetone

Concen: 1.076 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043390.D

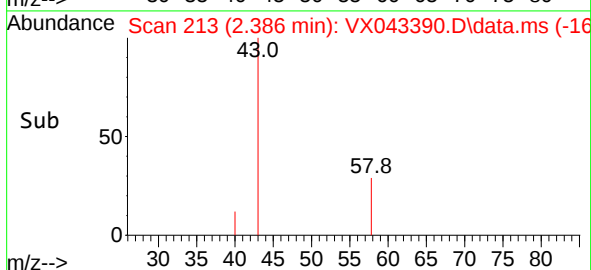
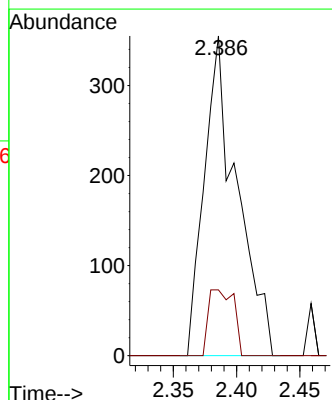
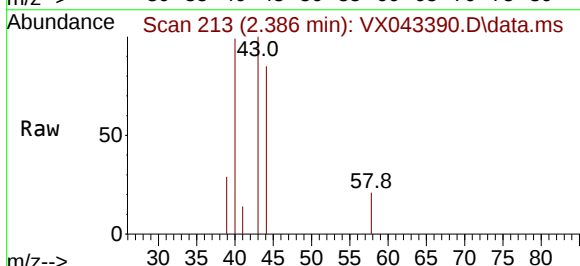
Acq: 15 Oct 2024 09:08 am

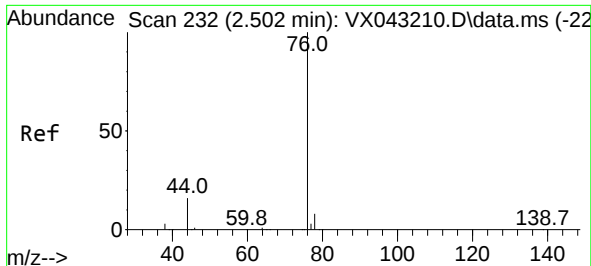
Tgt Ion: 43 Resp: 638

Ion Ratio Lower Upper

43 100

58 20.6 22.6 33.8#





#17

Carbon Disulfide

Concen: 0.344 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

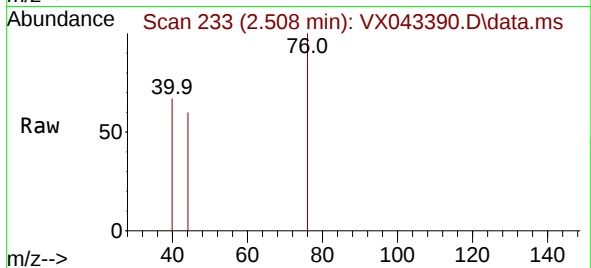
Lab File: VX043390.D

Acq: 15 Oct 2024 09:08

Instrument :

MSVOA\_X

ClientSampleId :

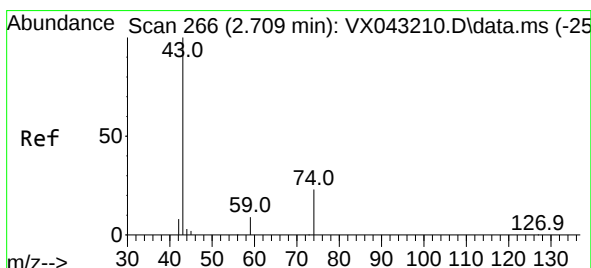
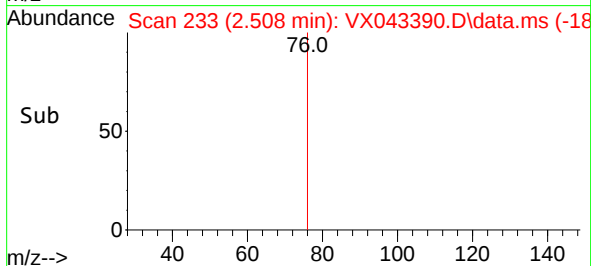
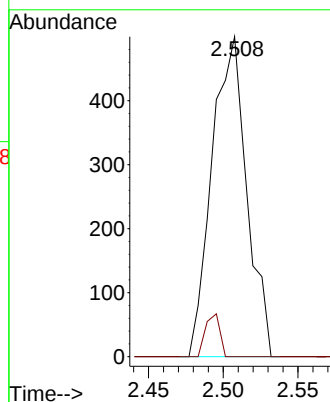


Tgt Ion: 76 Resp: 809

Ion Ratio Lower Upper

76 100

78 0.0 6.7 10.1#



#18

Methyl Acetate

Concen: 0.255 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.012 min

Lab File: VX043390.D

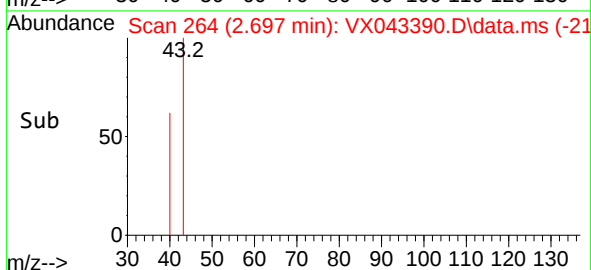
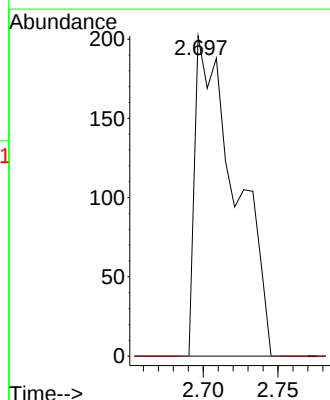
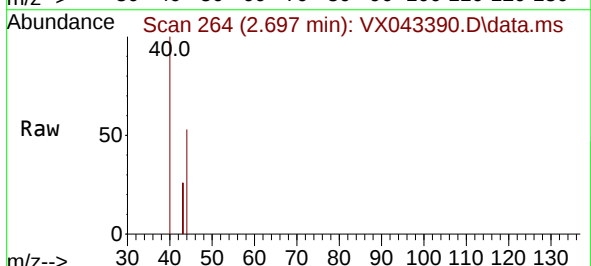
Acq: 15 Oct 2024 09:08 am

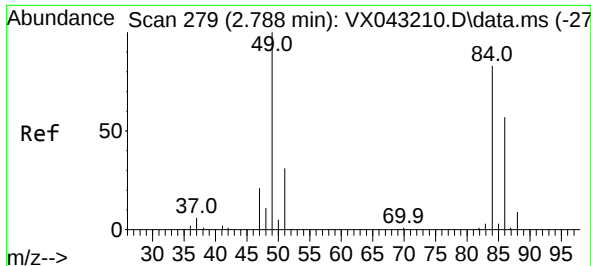
Tgt Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

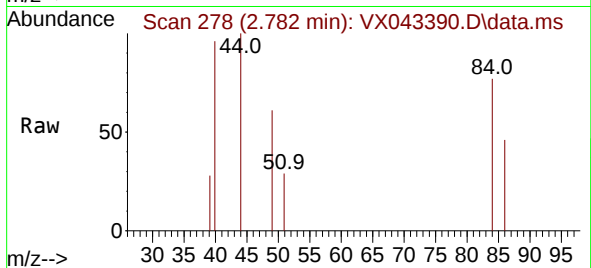
74 0.0 19.1 28.7#



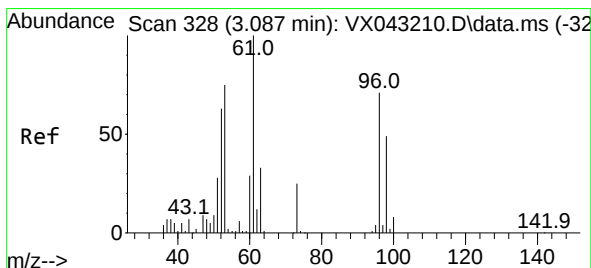
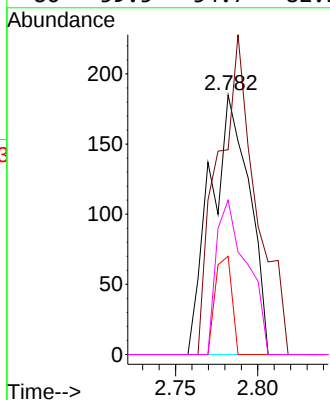
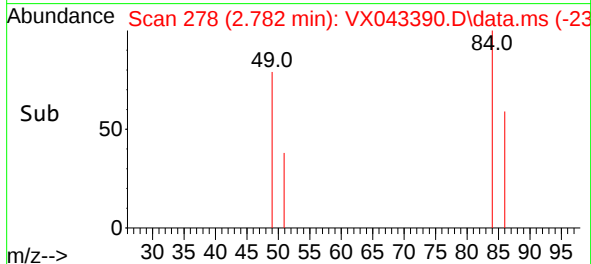


#20  
Methylene Chloride  
Concen: 0.279 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

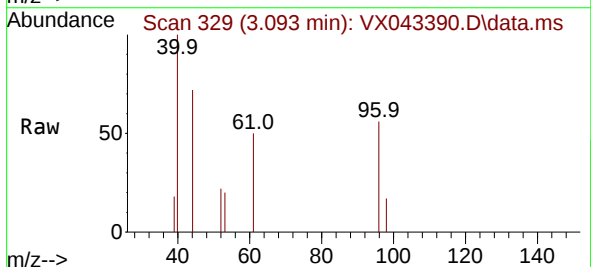
Instrument :  
MSVOA\_X  
ClientSampleId :



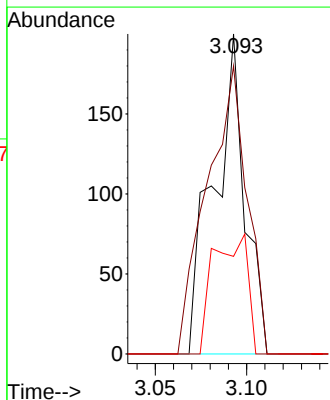
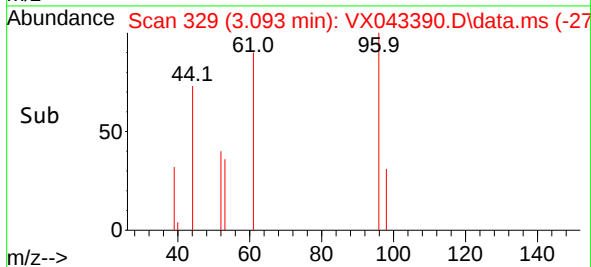
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 305   |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 78.9     | 96.7 145.1# |
| 51 37.8     | 30.4 45.6   |
| 86 59.5     | 54.7 82.1   |

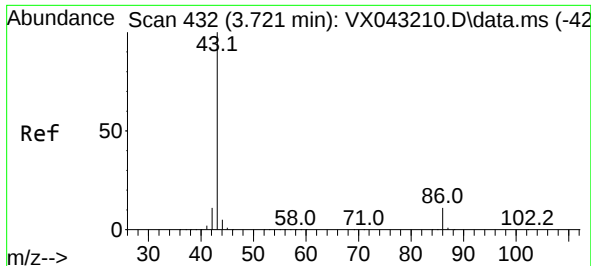


#21  
trans-1,2-Dichloroethene  
Concen: 0.247 ug/l  
RT: 3.093 min Scan# 329  
Delta R.T. 0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am



|             |              |
|-------------|--------------|
| Tgt Ion: 96 | Resp: 237    |
| Ion Ratio   | Lower Upper  |
| 96 100      |              |
| 61 90.0     | 112.3 168.5# |
| 98 30.5     | 54.6 82.0#   |

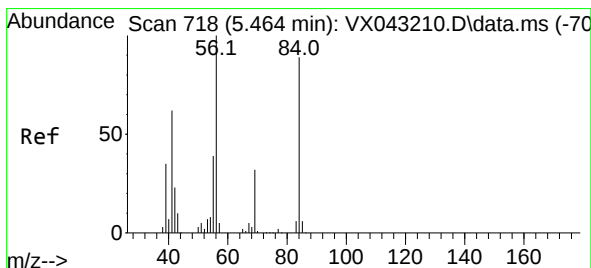
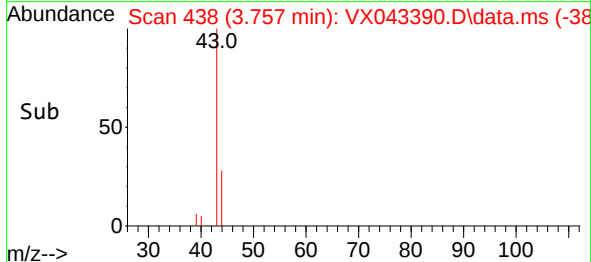
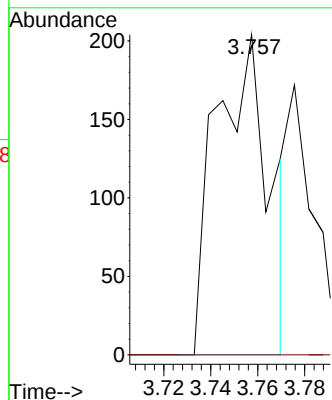
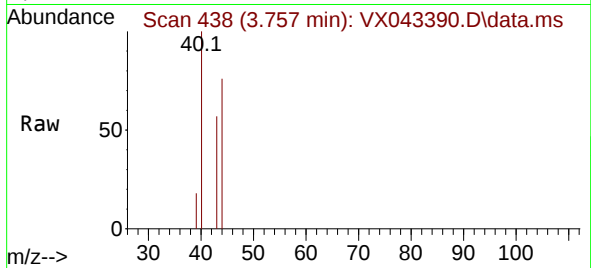




#23  
 Vinyl Acetate  
 Concen: 6.429 ug/l  
 RT: 3.757 min Scan# 41  
 Delta R.T. 0.036 min  
 Lab File: VX043390.D  
 Acq: 15 Oct 2024 09:08

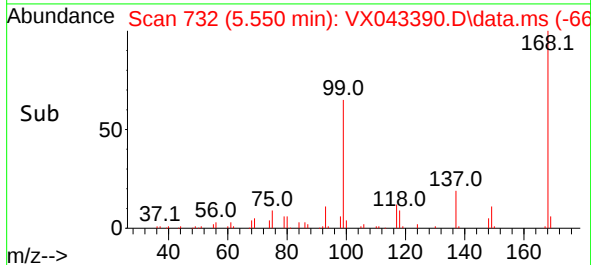
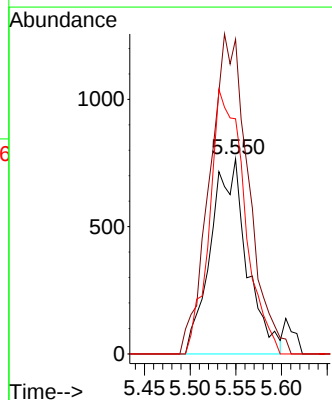
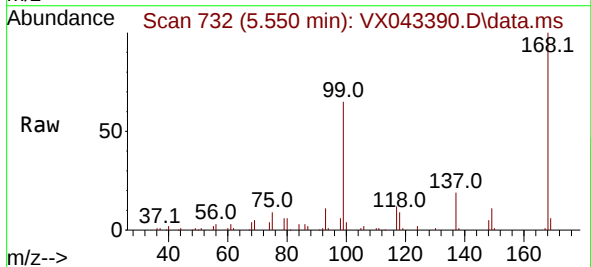
Instrument :  
 MSVOA\_X  
 ClientSampleId :

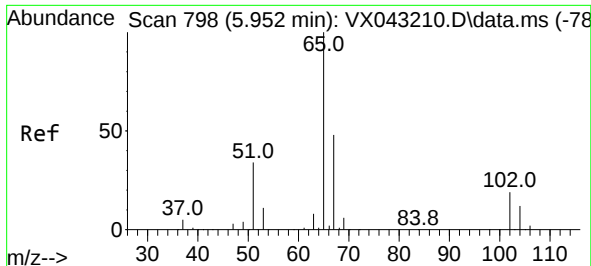
Tgt Ion: 43 Resp: 321  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.8 13.2#



#31  
 Cyclohexane  
 Concen: 1.365 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. 0.085 min  
 Lab File: VX043390.D  
 Acq: 15 Oct 2024 09:08 am

Tgt Ion: 56 Resp: 2091  
 Ion Ratio Lower Upper  
 56 100  
 69 161.4 25.8 38.6#  
 84 120.6 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 51.697 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX043390.D

Acq: 15 Oct 2024 09:08

Instrument :

MSVOA\_X

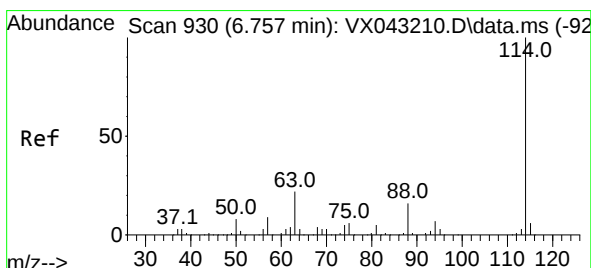
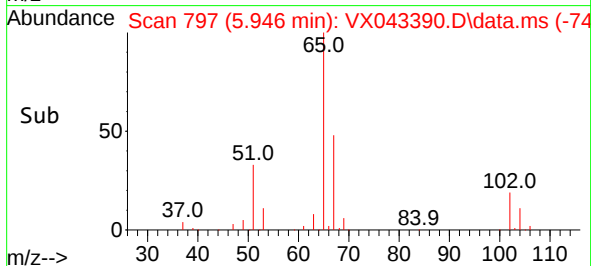
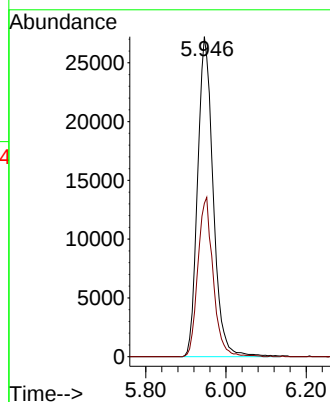
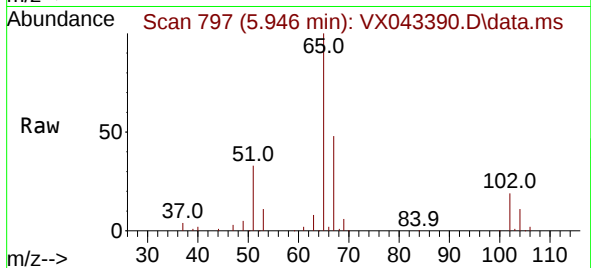
ClientSampleId :

Tgt Ion: 65 Resp: 73400

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043390.D

Acq: 15 Oct 2024 09:08 am

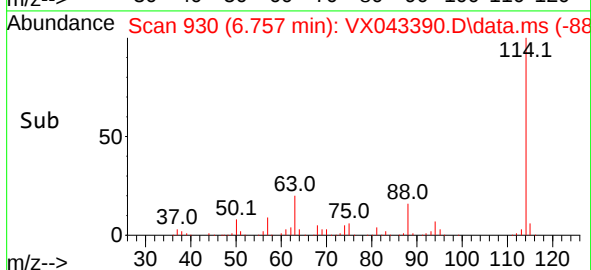
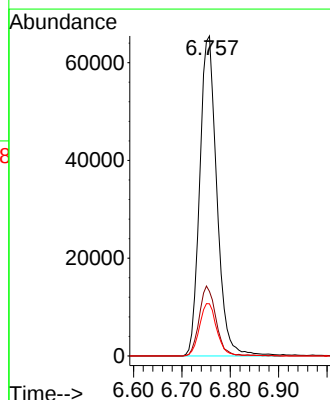
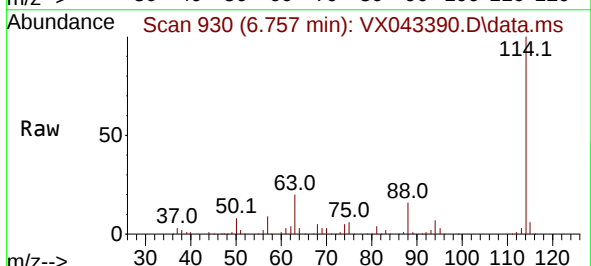
Tgt Ion: 114 Resp: 161203

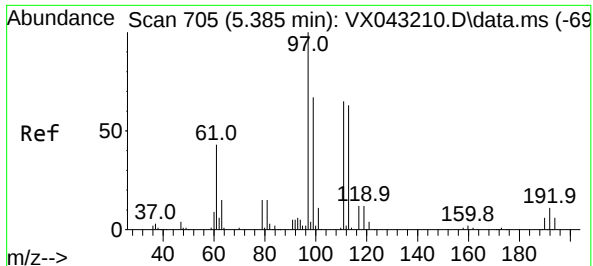
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.0

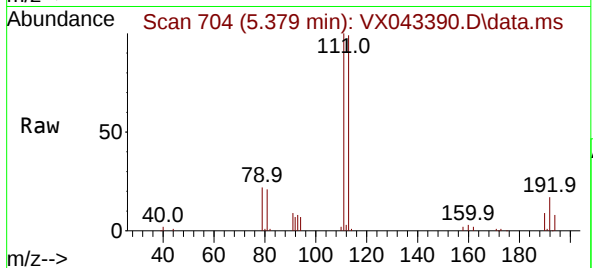
88 16.3 0.0 33.0



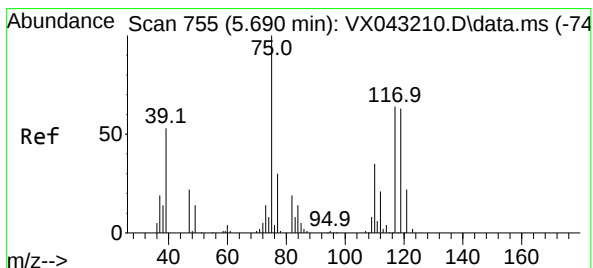
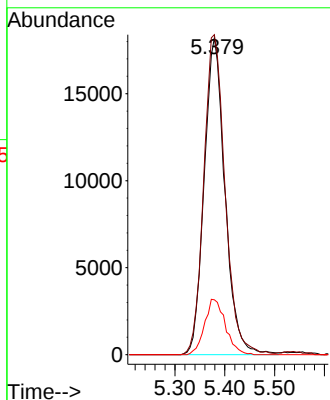
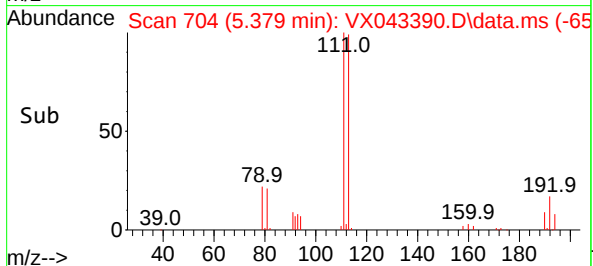


#35  
Dibromofluoromethane  
Concen: 47.339 ug/l  
RT: 5.379 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

Instrument :  
MSVOA\_X  
ClientSampleId :

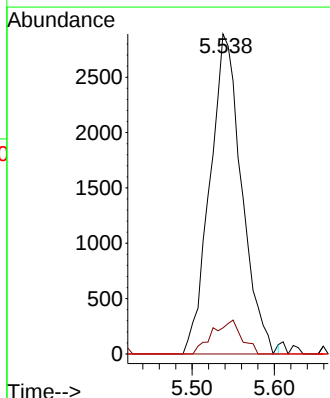
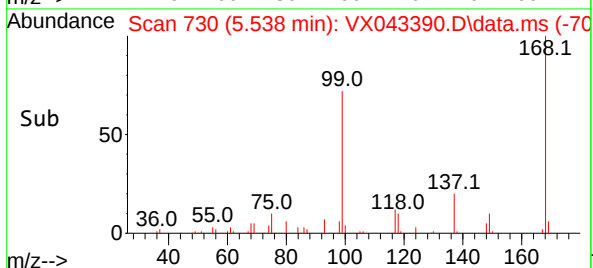
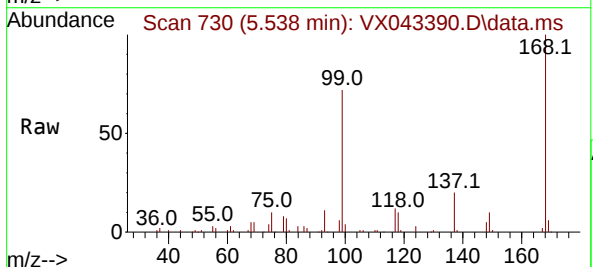


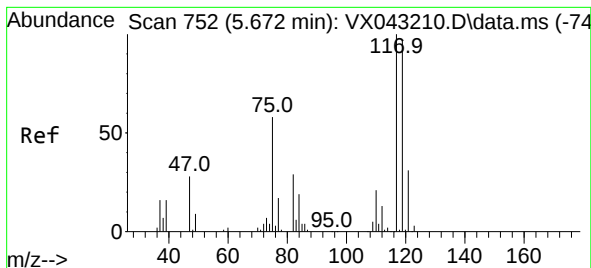
Tgt Ion:113 Resp: 52628  
Ion Ratio Lower Upper  
113 100  
111 103.8 83.4 125.0  
192 17.6 14.1 21.1



#36  
1,1-Dichloropropene  
Concen: 5.521 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.152 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

Tgt Ion: 75 Resp: 7754  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.8 53.3#  
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.975 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

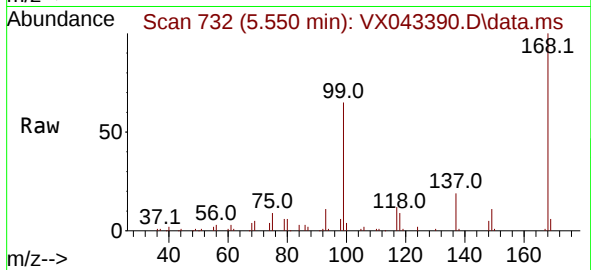
Lab File: VX043390.D

Acq: 15 Oct 2024 09:08

Instrument :

MSVOA\_X

ClientSampleId :



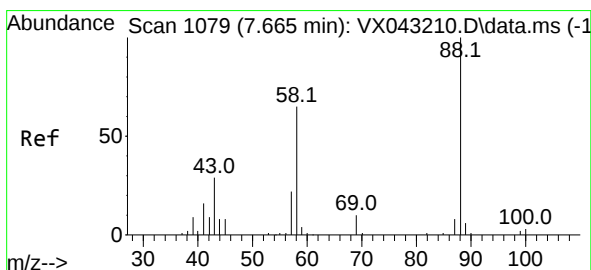
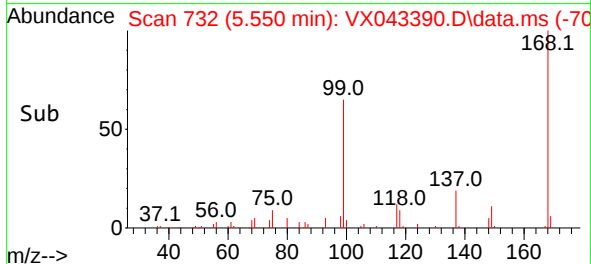
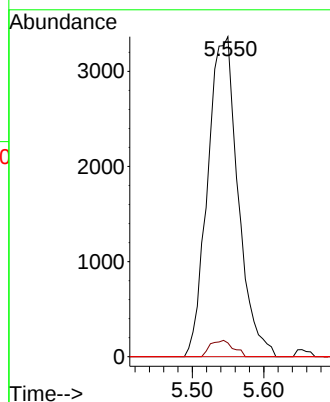
Tgt Ion:117 Resp: 9935

Ion Ratio Lower Upper

117 100

119 4.3 77.7 116.5#

121 0.0 24.3 36.5#



#49

1,4-Dioxane

Concen: 2.221 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.037 min

Lab File: VX043390.D

Acq: 15 Oct 2024 09:08 am

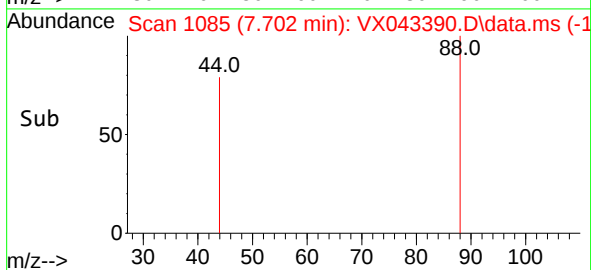
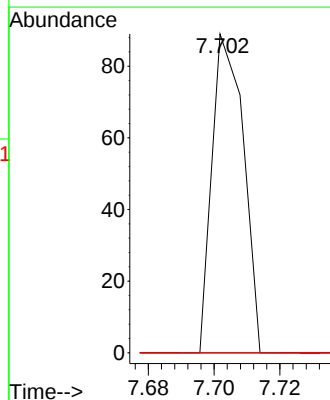
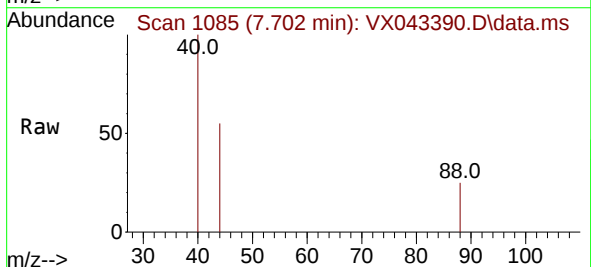
Tgt Ion: 88 Resp: 59

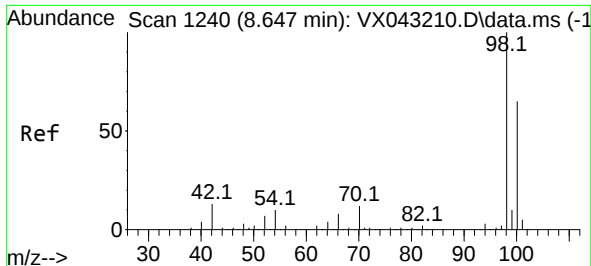
Ion Ratio Lower Upper

88 100

43 0.0 29.5 44.3#

58 0.0 55.2 82.8#

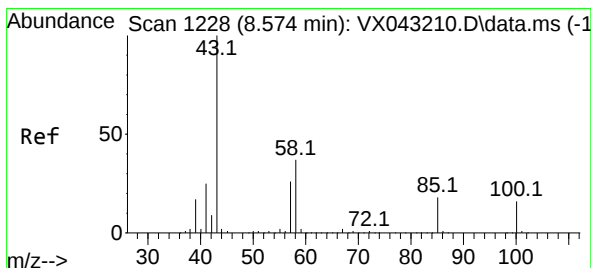
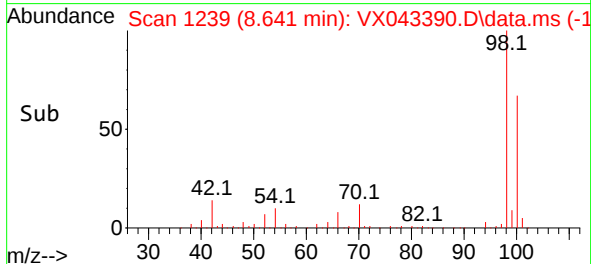
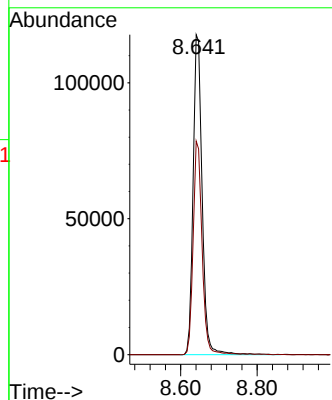
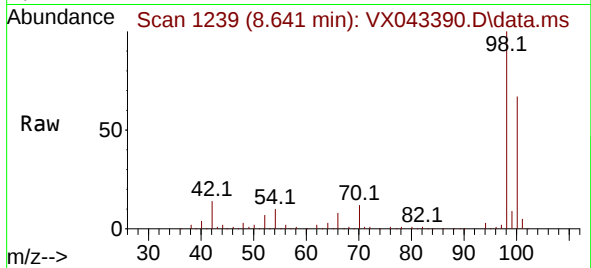




#50  
Toluene-d8  
Concen: 50.124 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

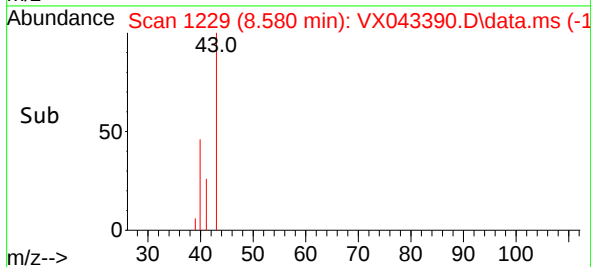
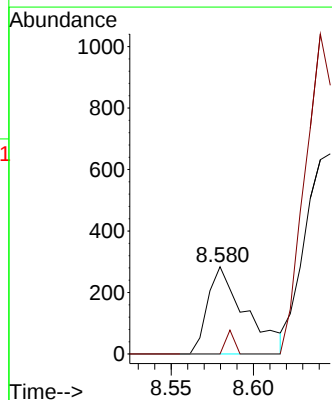
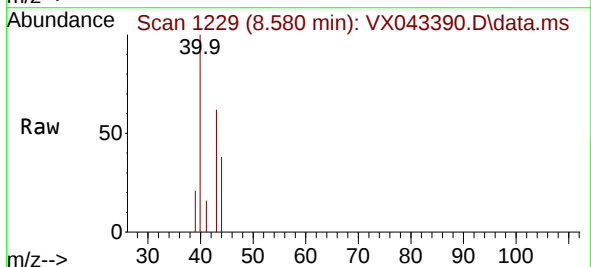
Instrument :  
MSVOA\_X  
ClientSampleId :

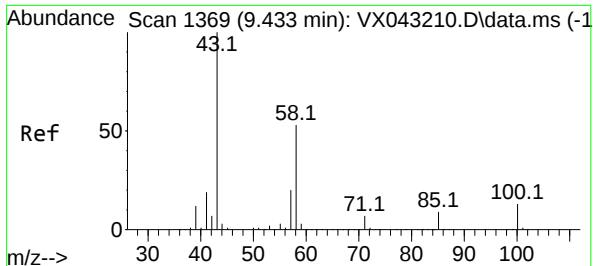
Tgt Ion: 98 Resp: 193109  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.4 78.6



#51  
4-Methyl-2-Pentanone  
Concen: 0.270 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

Tgt Ion: 43 Resp: 456  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.0 45.0#

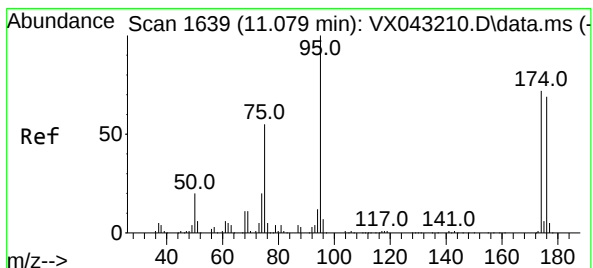
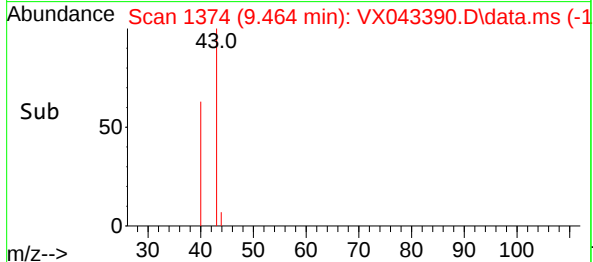
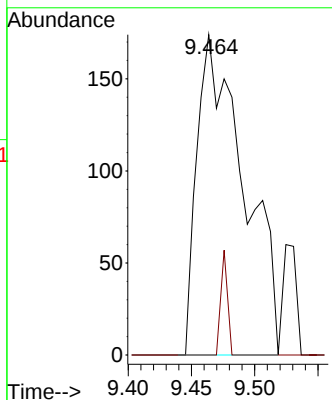
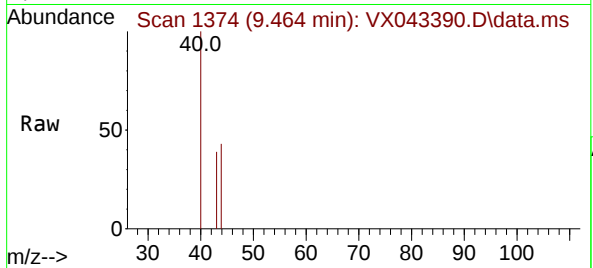




#59  
2-Hexanone  
Concen: 0.350 ug/l  
RT: 9.464 min Scan# 11  
Delta R.T. 0.030 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

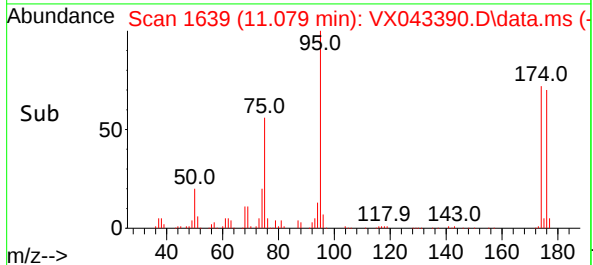
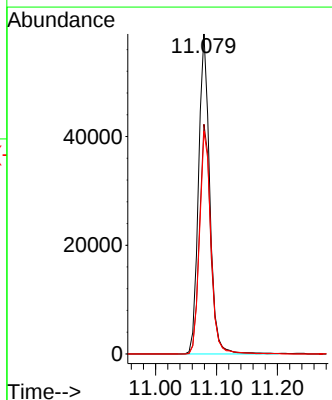
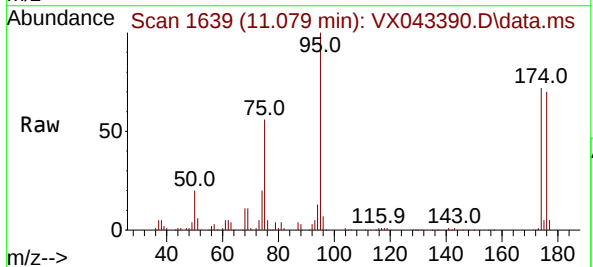
Instrument :  
MSVOA\_X  
ClientSampleId :

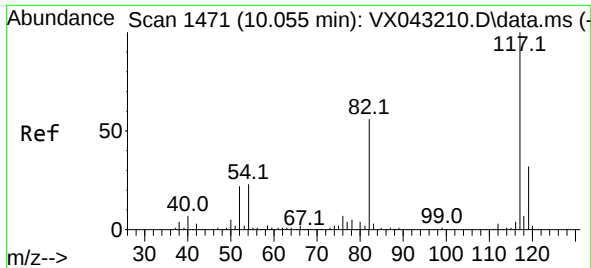
Tgt Ion: 43 Resp: 448  
Ion Ratio Lower Upper  
43 100  
58 4.7 26.1 78.3#



#62  
4-Bromofluorobenzene  
Concen: 53.577 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

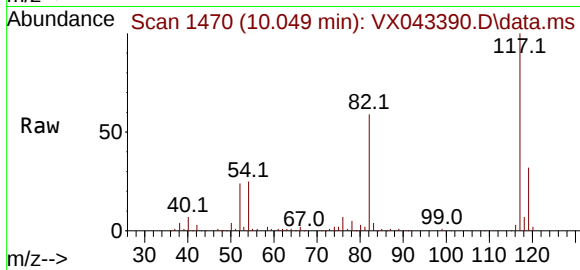
Tgt Ion: 95 Resp: 74988  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 145.0  
176 70.7 0.0 143.0



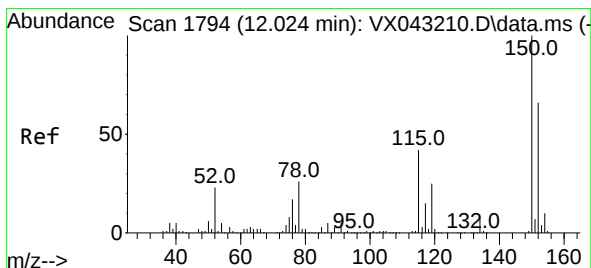
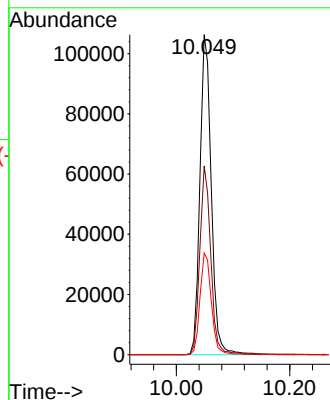
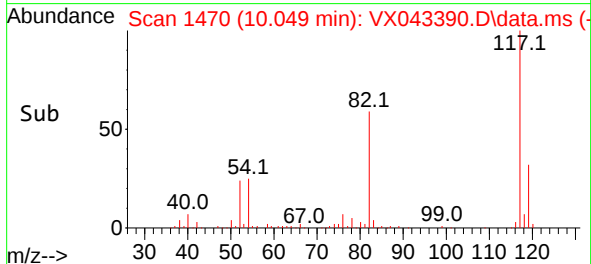


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

Instrument :  
MSVOA\_X  
ClientSampleId :

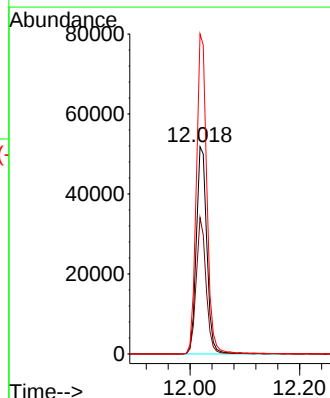
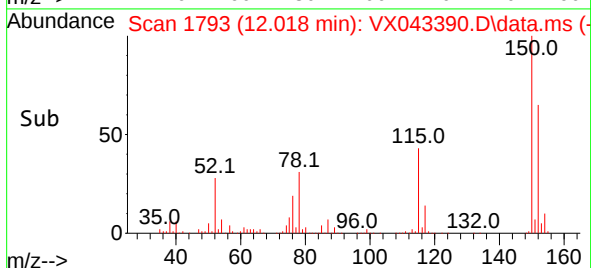
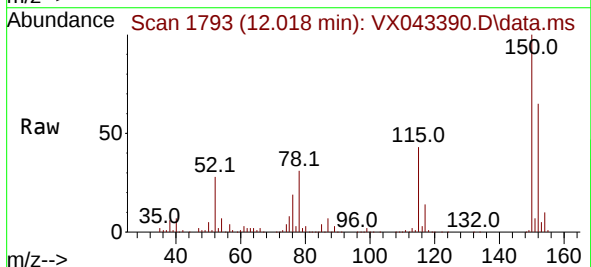


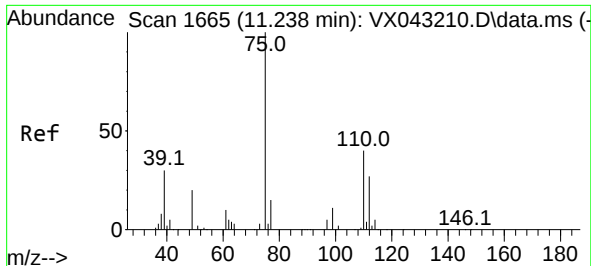
Tgt Ion:117 Resp: 147754  
Ion Ratio Lower Upper  
117 100  
82 59.0 45.0 67.6  
119 31.8 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

Tgt Ion:152 Resp: 69484  
Ion Ratio Lower Upper  
152 100  
115 62.0 44.1 132.3  
150 153.5 0.0 347.4

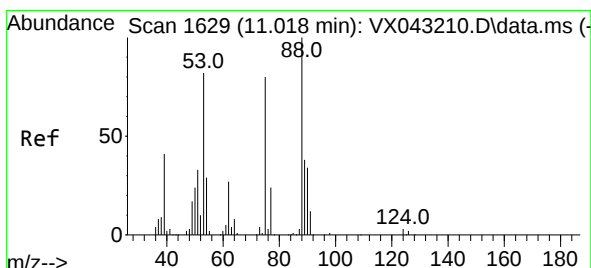
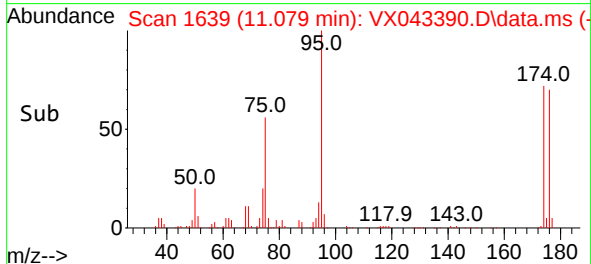
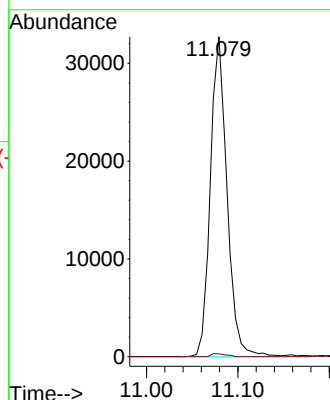
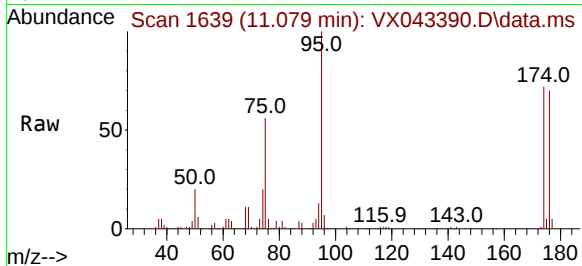




#76  
1,2,3-Trichloropropane  
Concen: 26.790 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

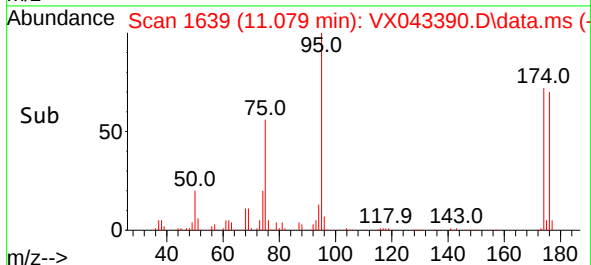
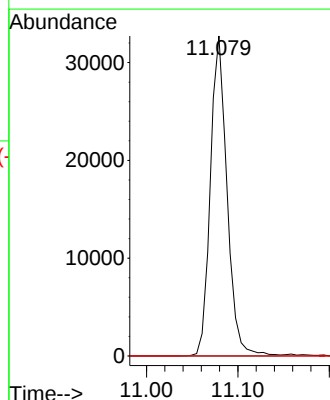
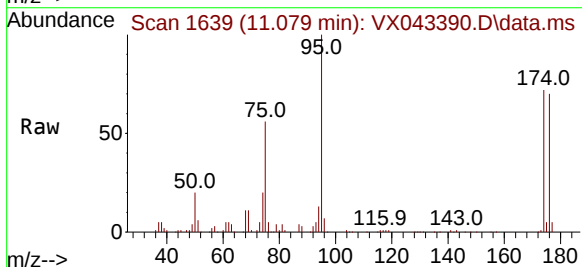
Instrument :  
MSVOA\_X  
ClientSampleId :

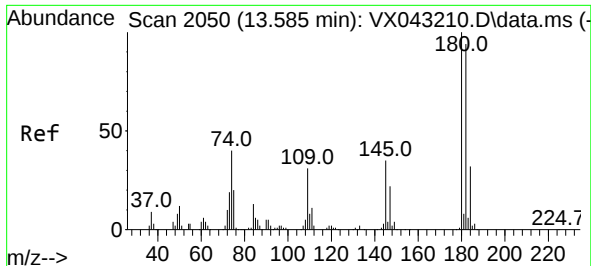
Tgt Ion: 75 Resp: 41290  
Ion Ratio Lower Upper  
75 100  
77 0.8 22.0 66.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.431 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

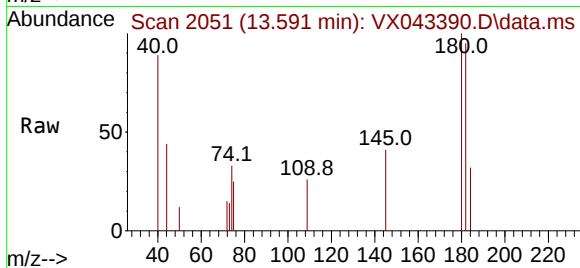
Tgt Ion: 75 Resp: 41290  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.9 125.9#  
89 0.0 38.6 58.0#



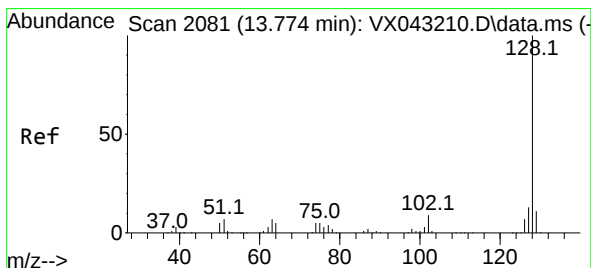
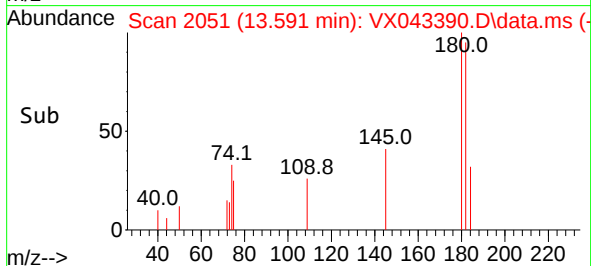
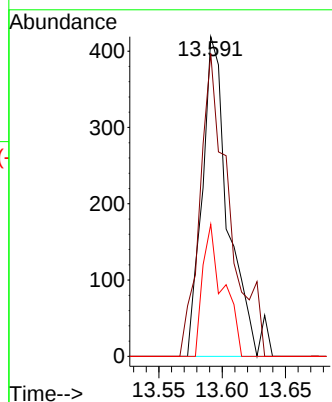


#93  
1,2,4-Trichlorobenzene  
Concen: 0.444 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08

Instrument :  
MSVOA\_X  
ClientSampleId :

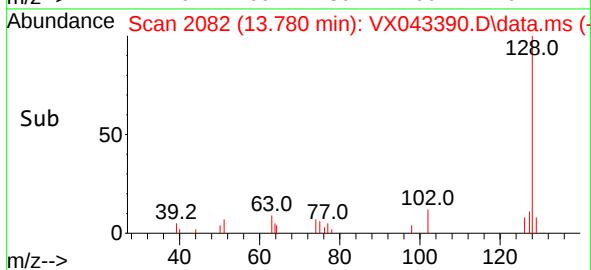
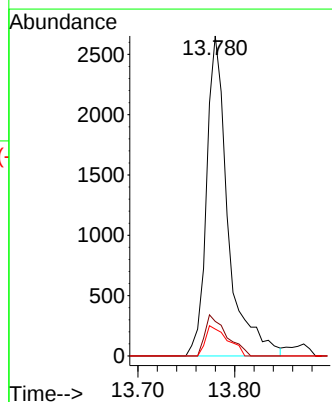
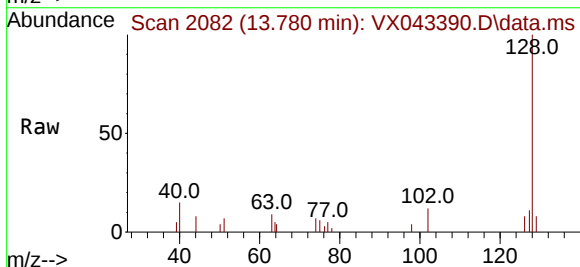


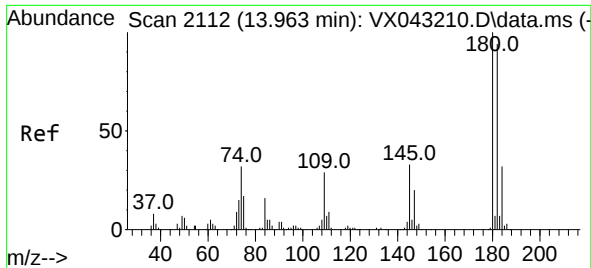
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 106.1 | 47.1  | 141.3 |
| 145     | 32.3  | 16.6  | 49.8  |



#95  
Naphthalene  
Concen: 0.817 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX043390.D  
Acq: 15 Oct 2024 09:08 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.2  | 15.2  |
| 129     | 9.6   | 8.6   | 13.0  |





#96

1,2,3-Trichlorobenzene

Concen: 0.553 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

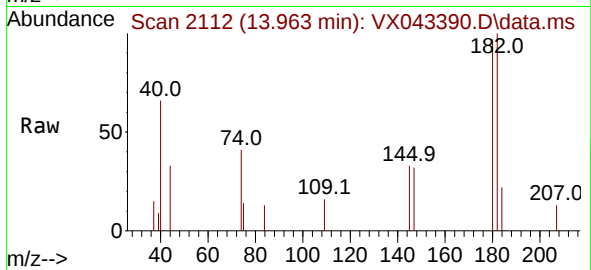
Lab File: VX043390.D

Acq: 15 Oct 2024 09:08

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 779

Ion Ratio Lower Upper

180 100

182 102.8 46.5 139.3

145 38.8 17.2 51.6

