

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031125\  
 Data File : VX045216.D  
 Acq On : 11 Mar 2025 12:03  
 Operator : JC/MD  
 Sample : Q1502-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

Quant Time: Mar 12 01:45:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 98273    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 178256   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 158768   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 68042    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 76319    | 48.823   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 97.640%  |
| 35) Dibromofluoromethane     | 5.385  | 113   | 58433    | 49.023   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 98.040%  |
| 50) Toluene-d8               | 8.647  | 98    | 211517   | 48.948   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 97.900%  |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 70362    | 49.138   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 98.280%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 3) Chloromethane             | 1.295  | 50    | 881      | 0.582    | ug/l   | 89       |
| 5) Bromomethane              | 1.593  | 94    | 36305    | 61.496   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.874  | 101   | 189623   | 95.381   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313  | 101   | 497      | 0.435    | ug/l # | 37       |
| 10) Methyl Iodide            | 2.441  | 142   | 2008     | 1.407    | ug/l # | 91       |
| 11) Tert butyl alcohol       | 2.941  | 59    | 1637     | 5.529    | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 2.313  | 96    | 105601   | 87.449   | ug/l   | 97       |
| 13) Acrolein                 | 2.233  | 56    | 136      | 0.397    | ug/l   | 91       |
| 15) Acrylonitrile            | 3.117  | 53    | 3061     | 3.857    | ug/l # | 21       |
| 16) Acetone                  | 2.386  | 43    | 106412   | 146.721  | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.508  | 76    | 819      | 0.255    | ug/l # | 77       |
| 18) Methyl Acetate           | 2.776  | 43    | 517      | 0.296    | ug/l # | 54       |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 222399   | 54.895   | ug/l   | 97       |
| 20) Methylene Chloride       | 2.782  | 84    | 70051    | 48.759   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 96018    | 80.485   | ug/l   | 96       |
| 25) 2-Butanone               | 4.562  | 43    | 44959    | 41.182   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 164344   | 111.594  | ug/l   | 96       |
| 28) Bromochloromethane       | 5.093  | 49    | 14716    | 12.602   | ug/l # | 17       |
| 29) Tetrahydrofuran          | 5.074  | 42    | 446      | 0.608    | ug/l # | 34       |
| 30) Chloroform               | 5.087  | 83    | 167331   | 68.737   | ug/l   | 99       |
| 31) Cyclohexane              | 5.544  | 56    | 2633     | 1.238    | ug/l # | 1        |
| 36) 1,1-Dichloropropene      | 5.550  | 75    | 8702     | 5.323    | ug/l # | 50       |
| 37) Ethyl Acetate            | 4.562  | 43    | 44959    | 21.345   | ug/l # | 70       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 49440    | 29.791   | ug/l   | 98       |
| 40) Benzene                  | 6.031  | 78    | 580824   | 112.523  | ug/l   | 99       |
| 41) Methacrylonitrile        | 5.080  | 41    | 760      | 0.667    | ug/l # | 32       |
| 42) 1,2-Dichloroethane       | 6.080  | 62    | 66393    | 35.719   | ug/l   | 98       |
| 44) Trichloroethene          | 7.123  | 130   | 62917    | 51.910   | ug/l   | 96       |
| 45) 1,2-Dichloropropane      | 7.428  | 63    | 102890   | 77.527   | ug/l   | 98       |
| 46) Dibromomethane           | 7.580  | 93    | 94973    | 101.245  | ug/l   | 98       |
| 47) Bromodichloromethane     | 7.824  | 83    | 29757    | 16.173   | ug/l   | 98       |
| 48) Methyl methacrylate      | 7.428  | 41    | 58903    | 37.695   | ug/l # | 37       |
| 49) 1,4-Dioxane              | 7.574  | 88    | 485      | 14.714   | ug/l # | 23       |
| 51) 4-Methyl-2-Pentanone     | 8.574  | 43    | 255054   | 121.958  | ug/l   | 100      |
| 52) Toluene                  | 8.714  | 92    | 320220   | 105.734  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene    | 8.976  | 75    | 130835   | 85.056   | ug/l   | 97       |

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 Operator : JC/MD  
 Sample : Q1502-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

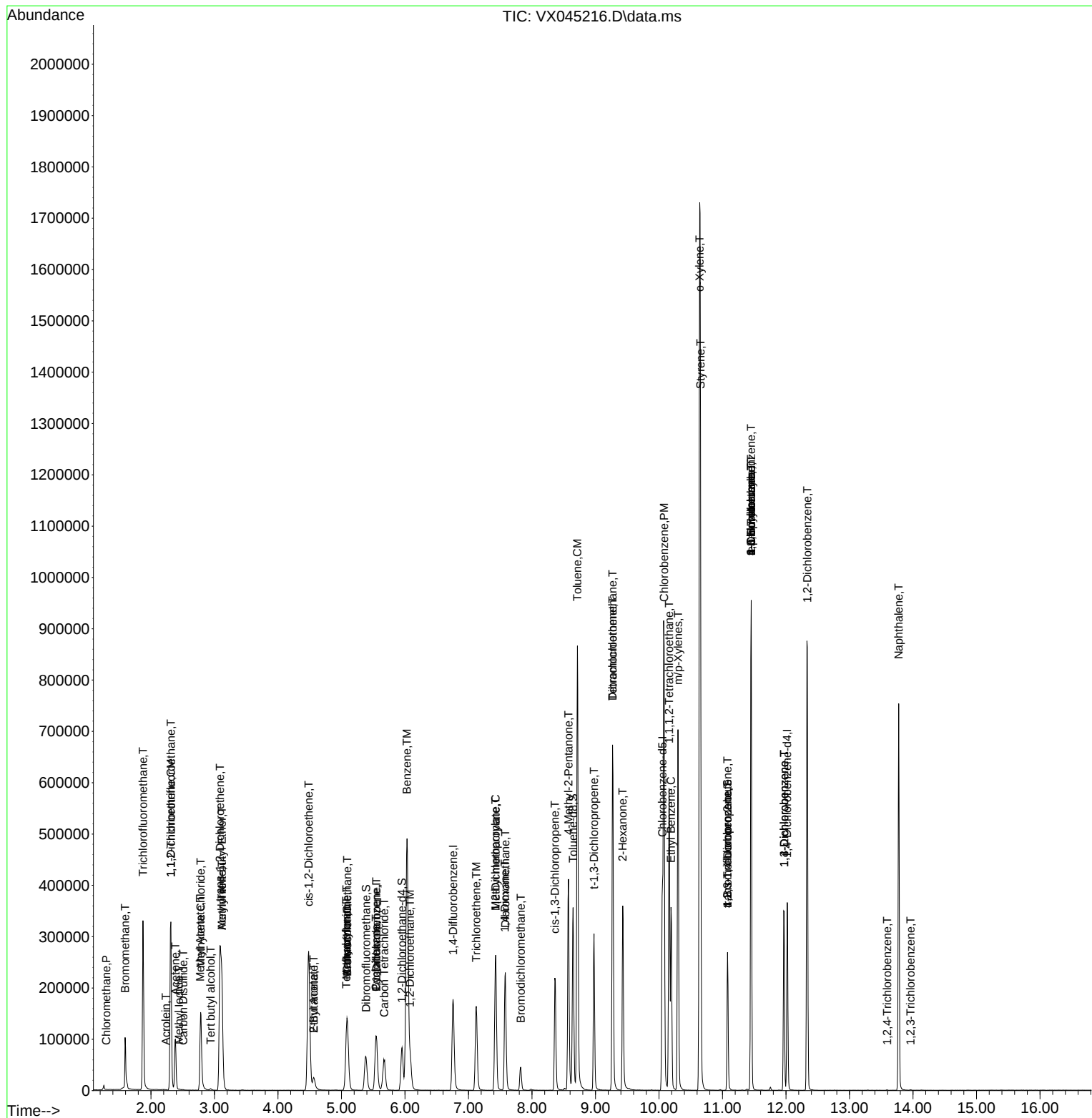
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

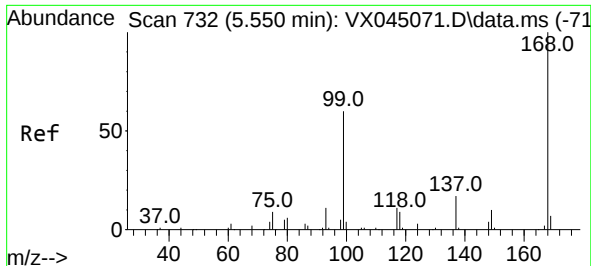
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 110586   | 61.652  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.427  | 43   | 207188   | 136.734 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.269  | 129  | 117817   | 90.377  | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.269  | 164  | 117148   | 115.207 | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 378949   | 112.799 | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 119812   | 107.091 | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 207014   | 35.365  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 155658   | 72.639  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 304677   | 140.973 | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 313173   | 89.554  | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75   | 37934    | 23.953  | ug/l # | 34       |
| 78) n-propylbenzene           | 11.451 | 91   | 46215    | 7.703   | ug/l # | 1        |
| 79) 2-Chlorotoluene           | 11.451 | 91   | 46215    | 12.096  | ug/l # | 42       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 398895   | 92.891  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75   | 37934    | 81.972  | ug/l # | 6        |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 46215    | 11.098  | ug/l # | 47       |
| 83) tert-Butylbenzene         | 11.451 | 119  | 47589    | 10.786  | ug/l # | 54       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 109258   | 48.877  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.969 | 146  | 109258   | 48.311  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 262915   | 117.247 | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 370      | 0.290   | ug/l   | 88       |
| 95) Naphthalene               | 13.774 | 128  | 424244   | 86.479  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 317      | 0.235   | ug/l   | 93       |
| -----                         |        |      |          |         |        |          |

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

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
PT-VOA-WP

Quant Time: Mar 12 01:45:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

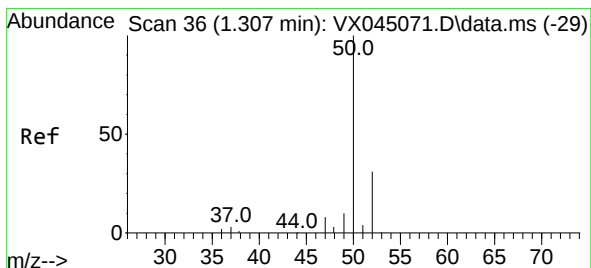
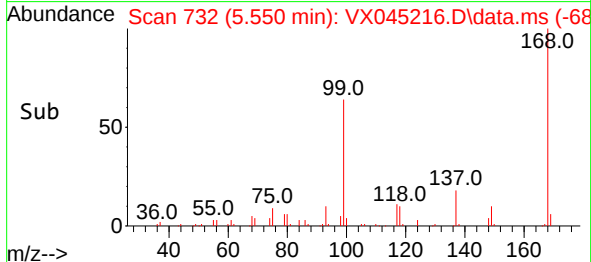
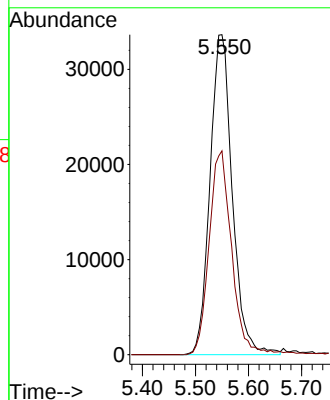
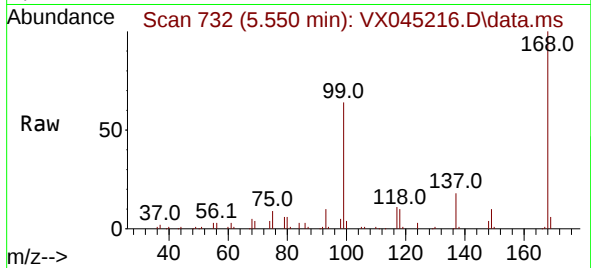




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

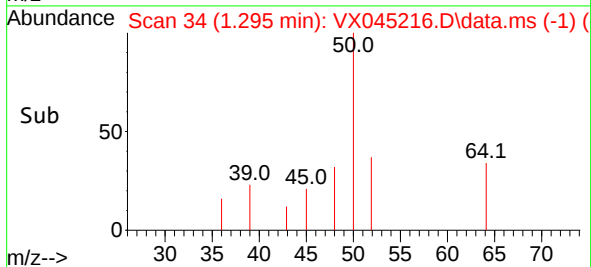
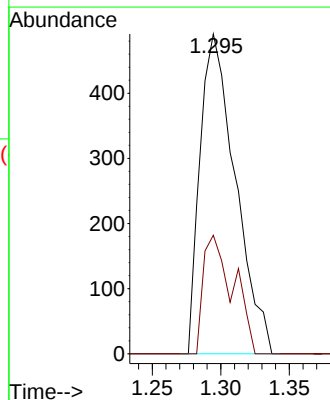
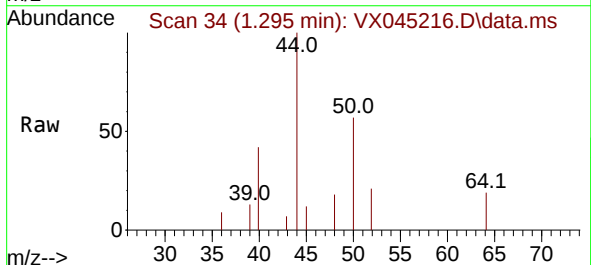
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

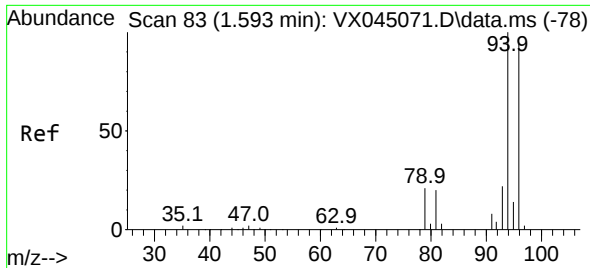
Tgt Ion:168 Resp: 98273  
Ion Ratio Lower Upper  
168 100  
99 63.7 48.2 72.4



#3  
Chloromethane  
Concen: 0.582 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 50 Resp: 881  
Ion Ratio Lower Upper  
50 100  
52 37.1 25.0 37.4

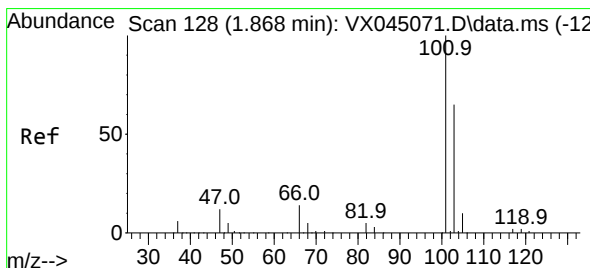
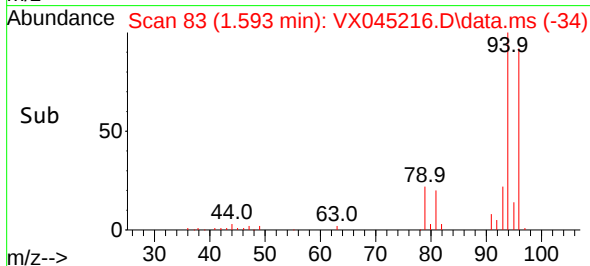
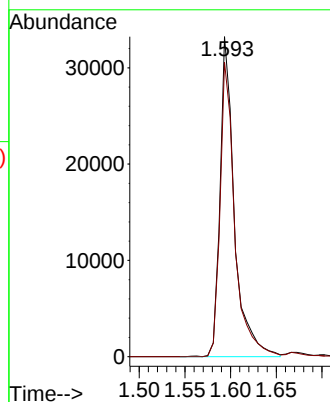
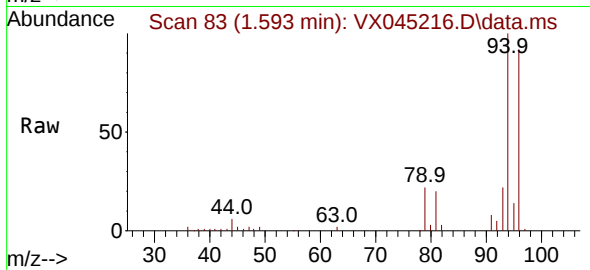




#5  
Bromomethane  
Concen: 61.496 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

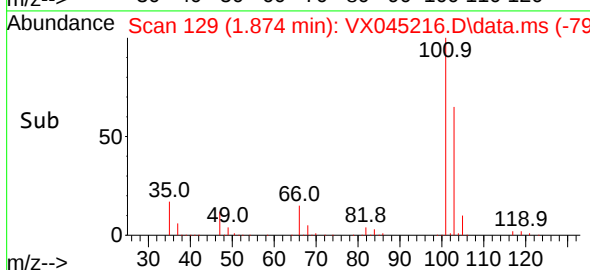
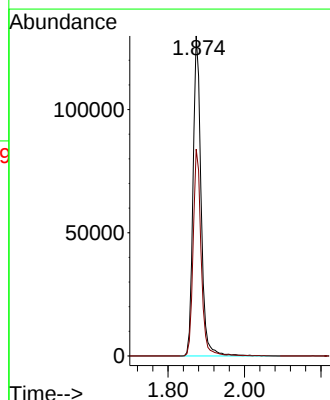
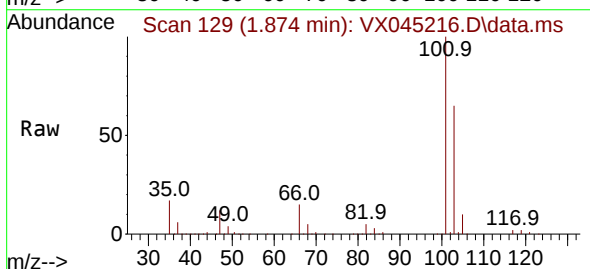
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

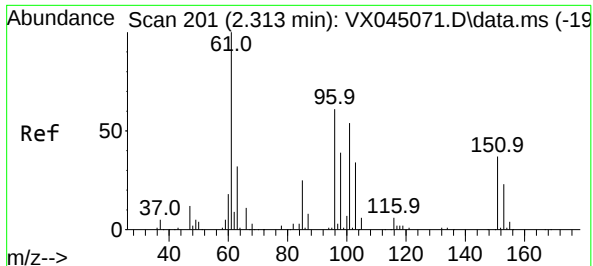
Tgt Ion: 94 Resp: 36305  
Ion Ratio Lower Upper  
94 100  
96 92.1 75.0 112.4



#7  
Trichlorofluoromethane  
Concen: 95.381 ug/l  
RT: 1.874 min Scan# 129  
Delta R.T. 0.006 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 101 Resp: 189623  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.1 78.1

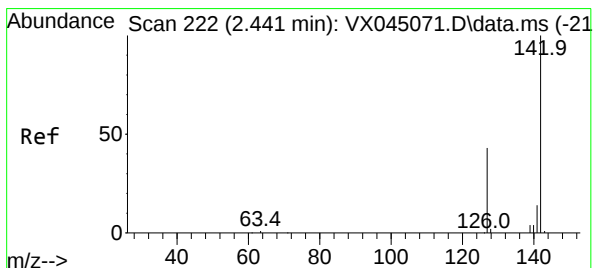
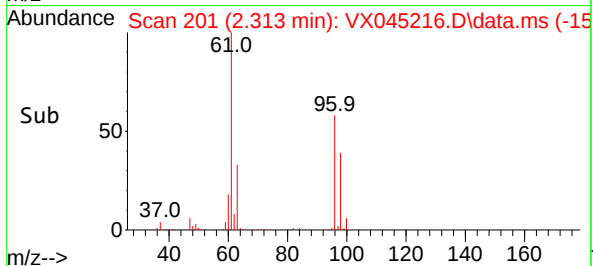
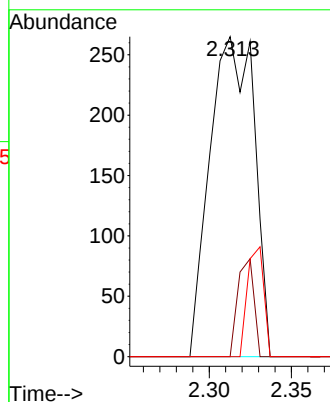
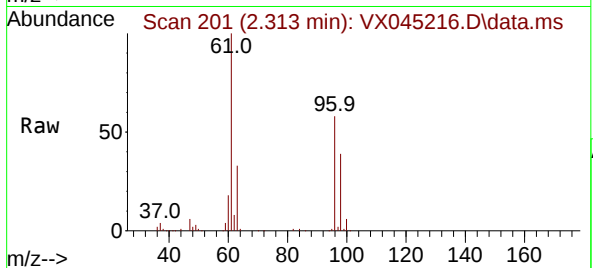




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.435 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

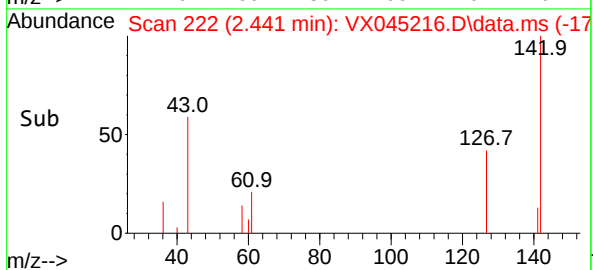
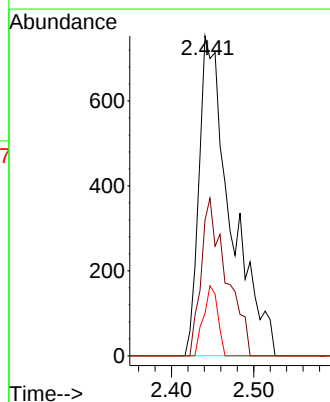
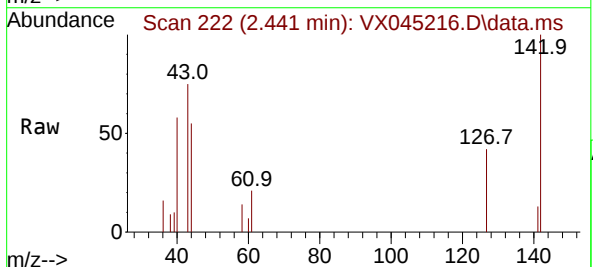
Instrument :  
MSVOA\_X  
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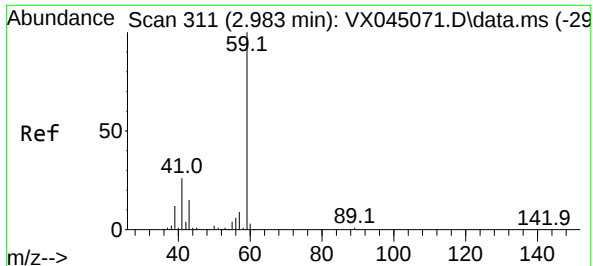
Tgt Ion:101 Resp: 497  
Ion Ratio Lower Upper  
101 100  
85 11.1 36.2 54.4#  
151 12.7 56.4 84.6#



#10  
Methyl Iodide  
Concen: 1.407 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion:142 Resp: 2008  
Ion Ratio Lower Upper  
142 100  
127 39.3 35.4 53.2  
141 9.9 11.6 17.4#





#11

Tert butyl alcohol

Concen: 5.529 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

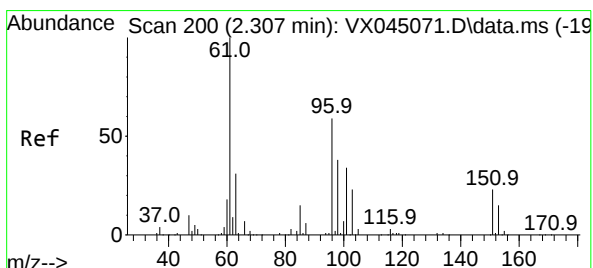
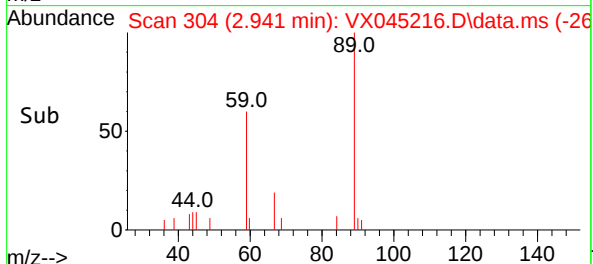
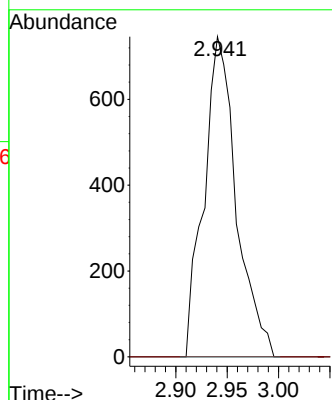
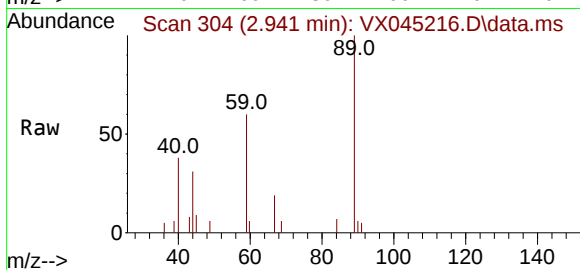
PT-VOA-WP

Tgt Ion: 59 Resp: 1637

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 87.449 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

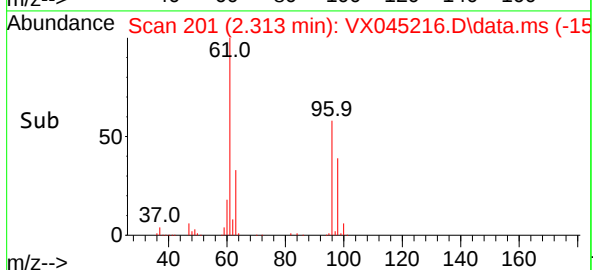
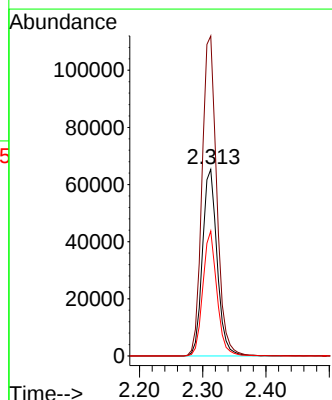
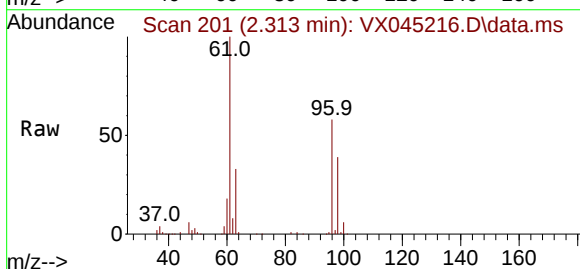
Tgt Ion: 96 Resp: 105601

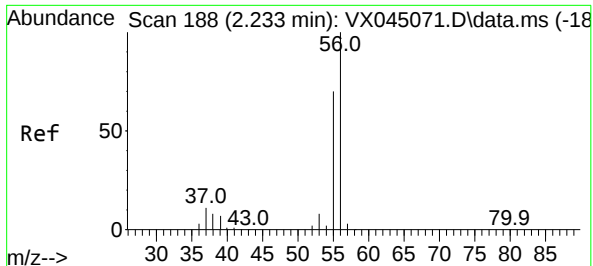
Ion Ratio Lower Upper

96 100

61 171.5 134.6 202.0

98 67.0 51.0 76.6

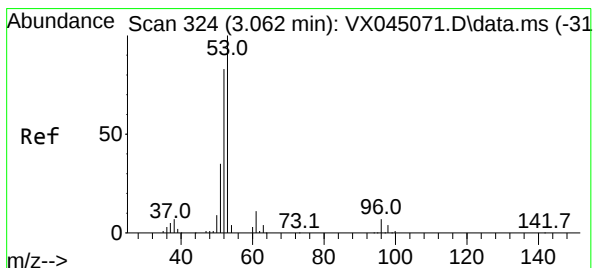
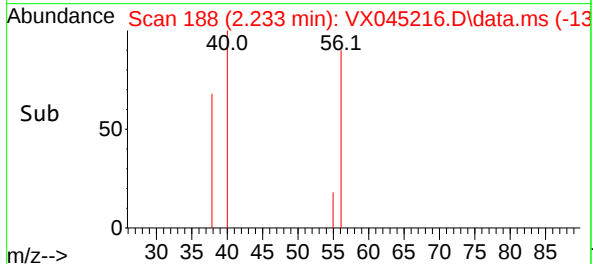
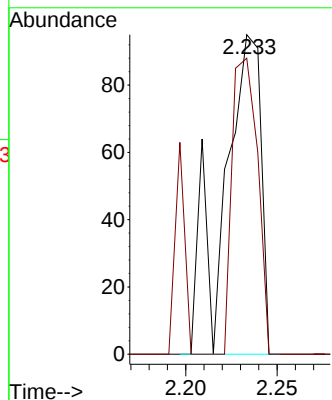
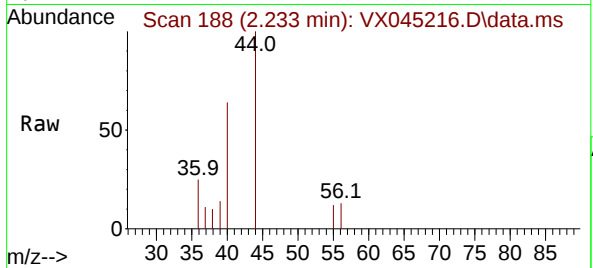




#13  
Acrolein  
Concen: 0.397 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

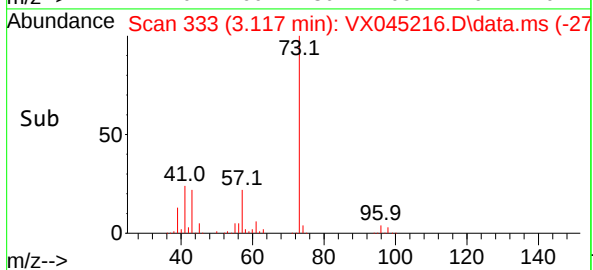
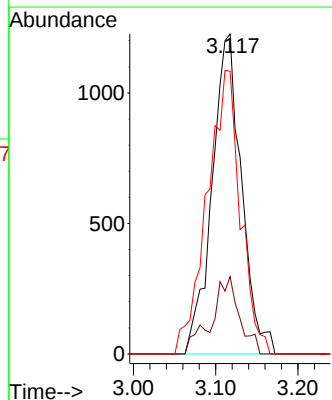
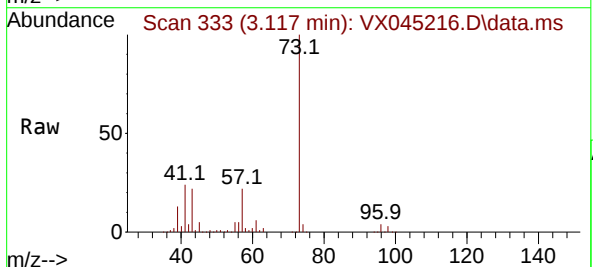
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

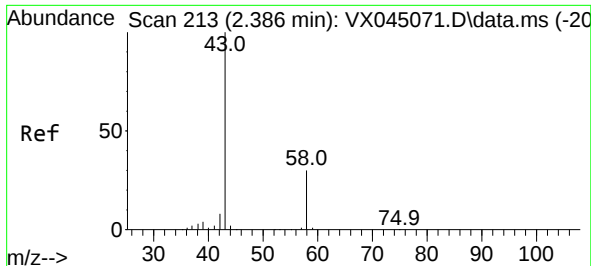
Tgt Ion: 56 Resp: 136  
Ion Ratio Lower Upper  
56 100  
55 62.5 56.2 84.4



#15  
Acrylonitrile  
Concen: 3.857 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.055 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 53 Resp: 3061  
Ion Ratio Lower Upper  
53 100  
52 22.9 66.2 99.2#  
51 99.8 29.0 43.4#

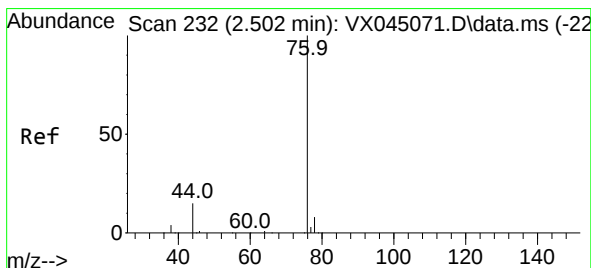
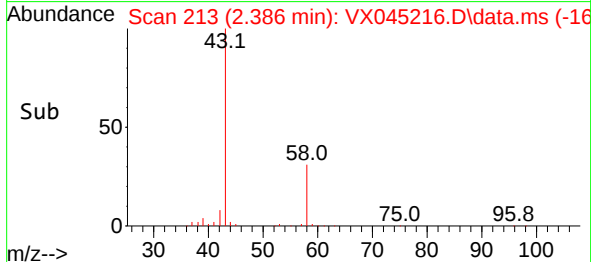
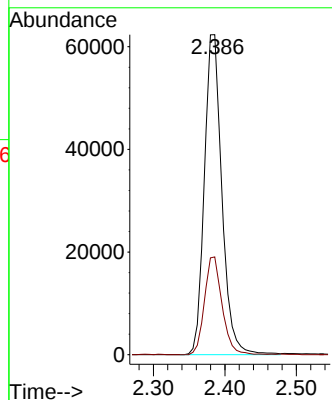
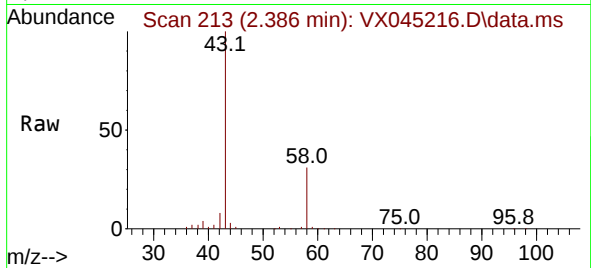




#16  
Acetone  
Concen: 146.721 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

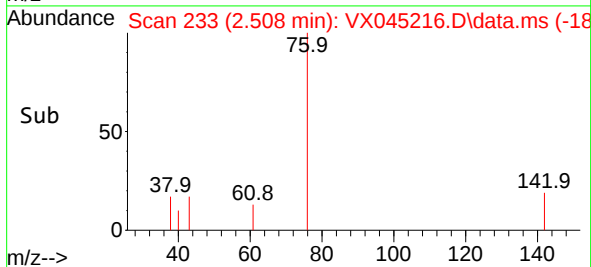
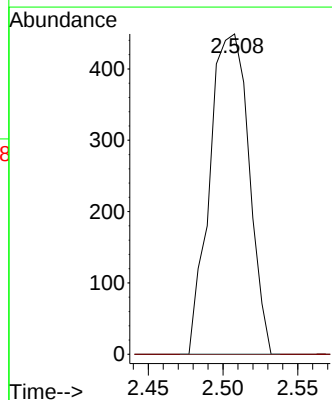
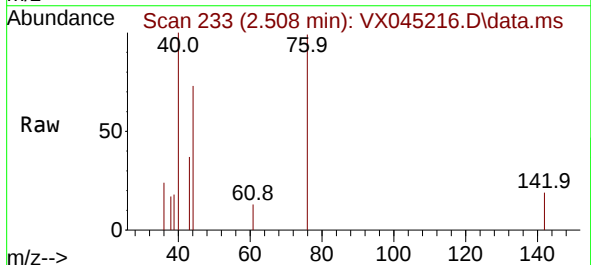
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

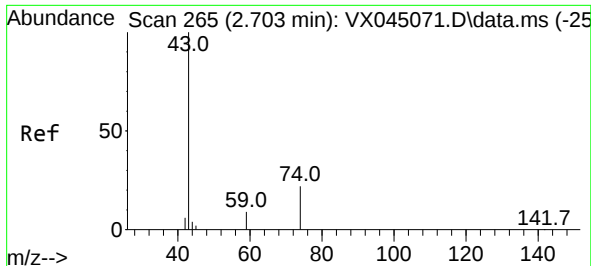
Tgt Ion: 43 Resp: 106412  
Ion Ratio Lower Upper  
43 100  
58 30.5 24.2 36.4



#17  
Carbon Disulfide  
Concen: 0.255 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. 0.006 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 76 Resp: 819  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.6 9.8#

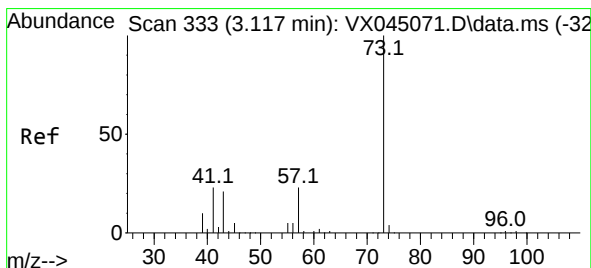
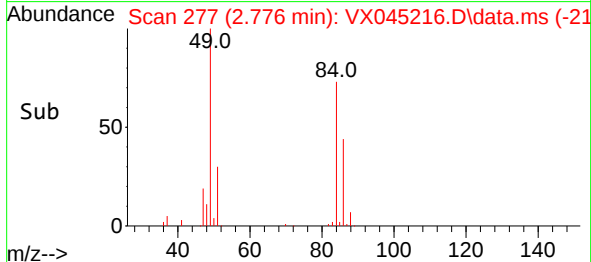
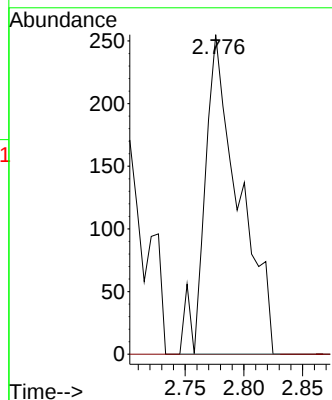
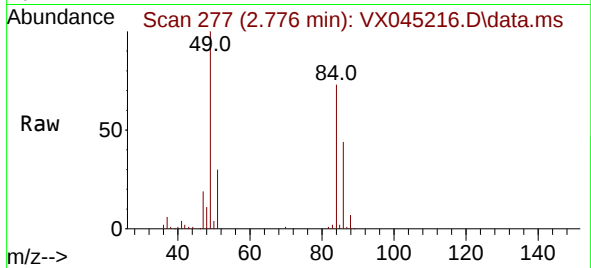




#18  
Methyl Acetate  
Concen: 0.296 ug/l  
RT: 2.776 min Scan# 211  
Delta R.T. 0.073 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

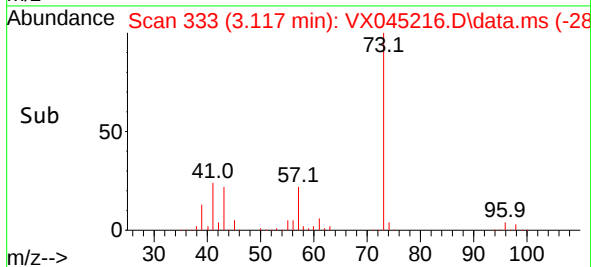
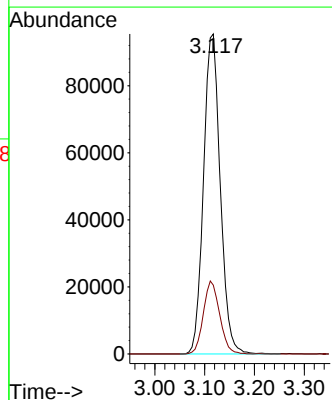
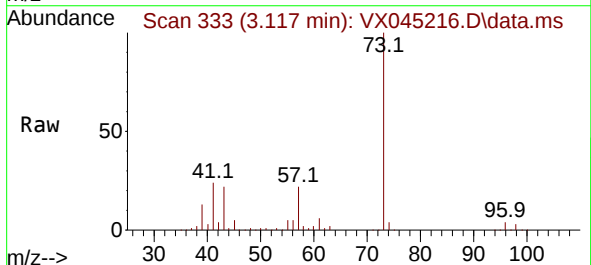
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

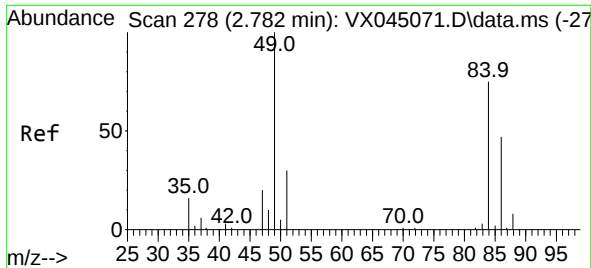
Tgt Ion: 43 Resp: 517  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.2#



#19  
Methyl tert-butyl Ether  
Concen: 54.895 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 73 Resp: 222399  
Ion Ratio Lower Upper  
73 100  
57 21.5 18.5 27.7

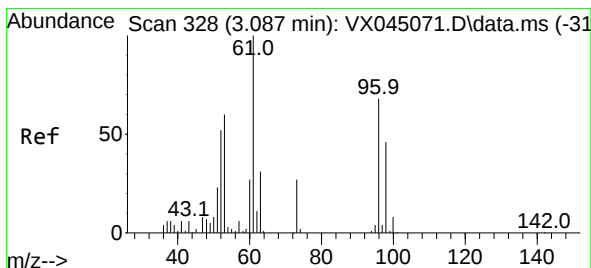
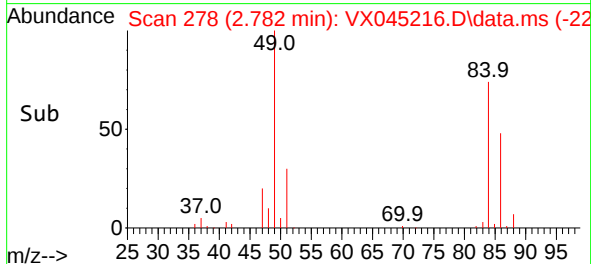
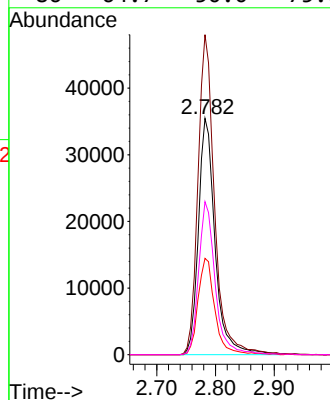
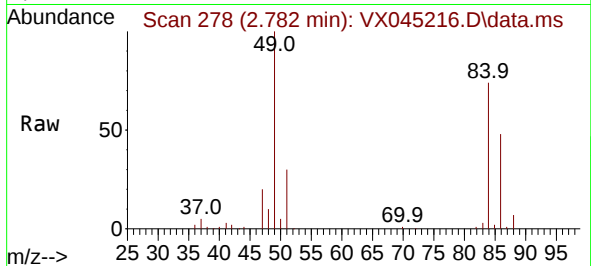




#20  
Methylene Chloride  
Concen: 48.759 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

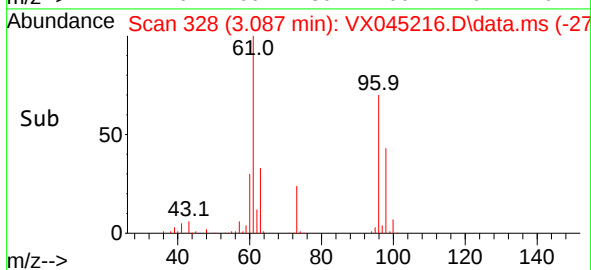
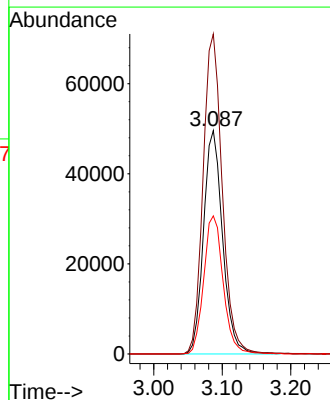
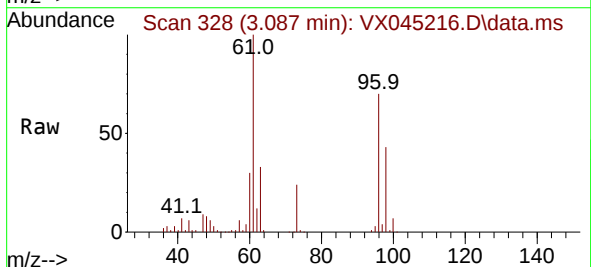
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

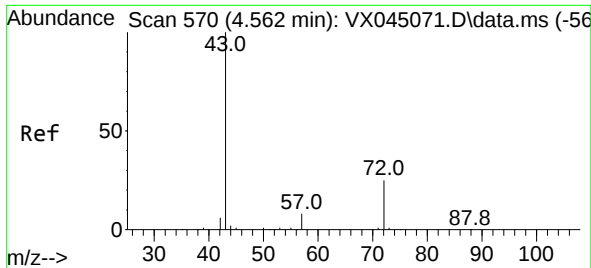
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 70051 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 135.4    | 106.5 159.7 |
| 51 40.7     | 32.1 48.1   |
| 86 64.7     | 50.0 75.0   |



#21  
trans-1,2-Dichloroethene  
Concen: 80.485 ug/l  
RT: 3.087 min Scan# 328  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 96018 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 143.2    | 117.0 175.4 |
| 98 61.8     | 53.4 80.2   |

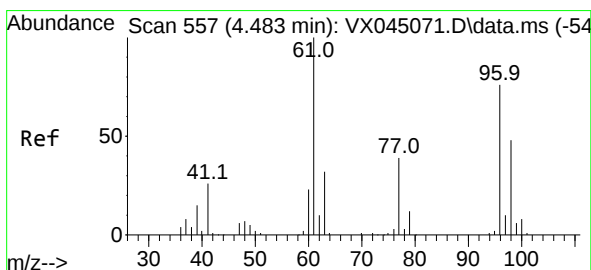
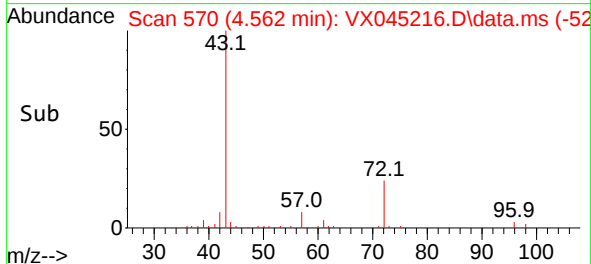
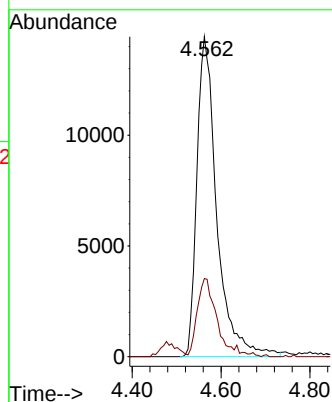
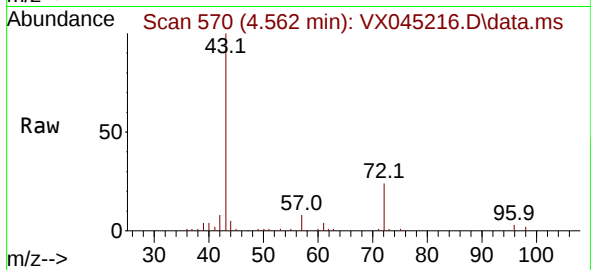




#25  
2-Butanone  
Concen: 41.182 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

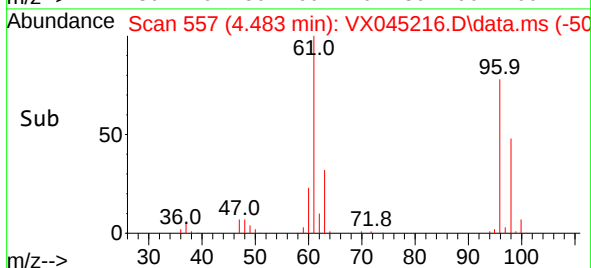
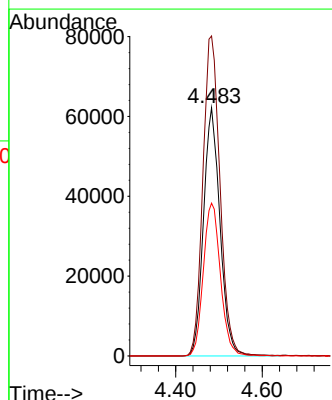
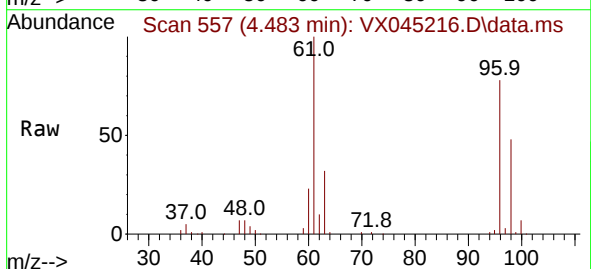
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

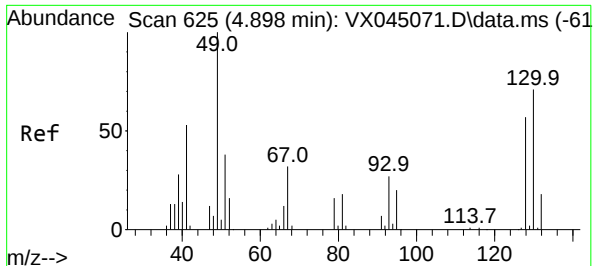
Tgt Ion: 43 Resp: 44959  
Ion Ratio Lower Upper  
43 100  
72 24.4 20.0 30.0



#27  
cis-1,2-Dichloroethene  
Concen: 111.594 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 96 Resp: 164344  
Ion Ratio Lower Upper  
96 100  
61 134.1 0.0 283.2  
98 64.0 0.0 128.0

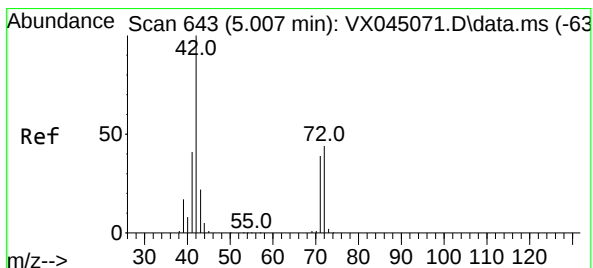
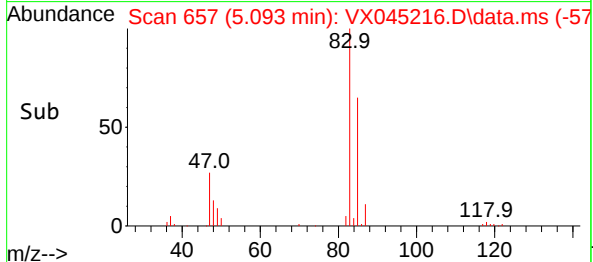
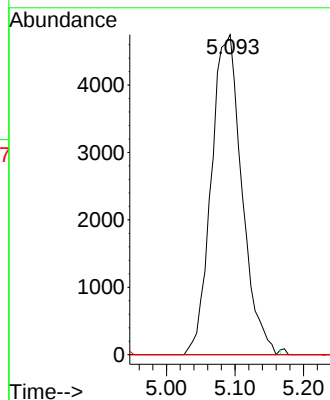
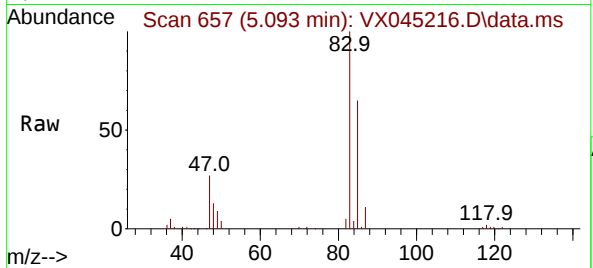




#28  
Bromochloromethane  
Concen: 12.602 ug/l  
RT: 5.093 min Scan# 61  
Delta R.T. 0.195 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

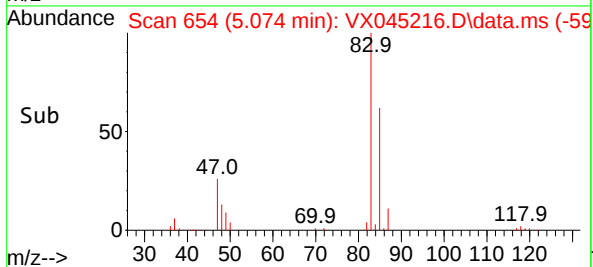
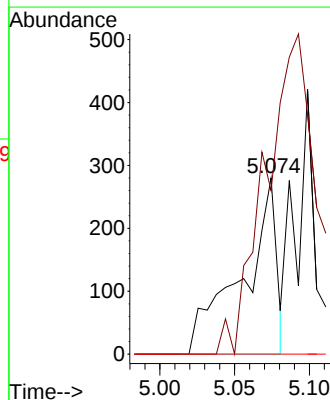
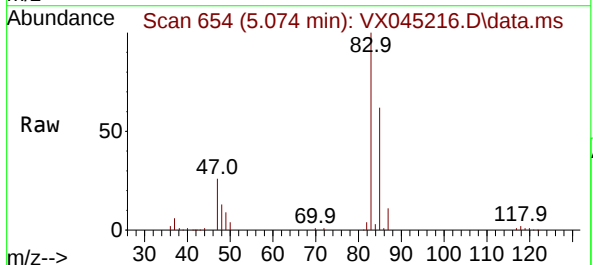
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

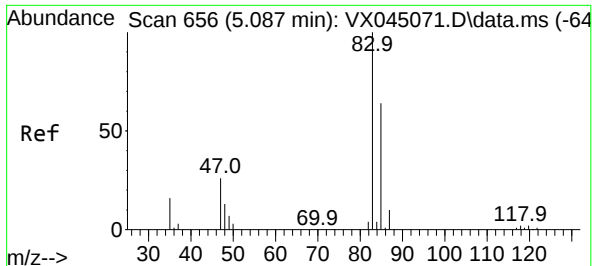
Tgt Ion: 49 Resp: 14716  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.4  
130 0.0 56.1 84.1#



#29  
Tetrahydrofuran  
Concen: 0.608 ug/l  
RT: 5.074 min Scan# 654  
Delta R.T. 0.067 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 42 Resp: 446  
Ion Ratio Lower Upper  
42 100  
72 0.0 34.1 51.1#  
71 0.0 31.4 47.0#





#30

Chloroform

Concen: 68.737 ug/l

RT: 5.087 min Scan# 6

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

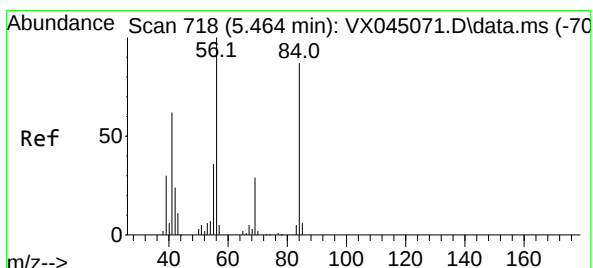
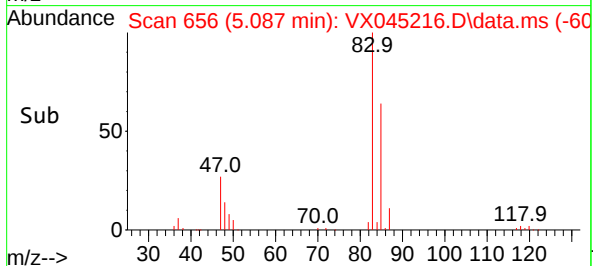
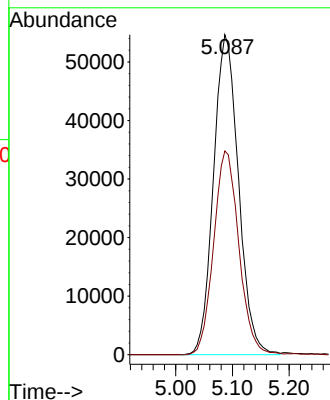
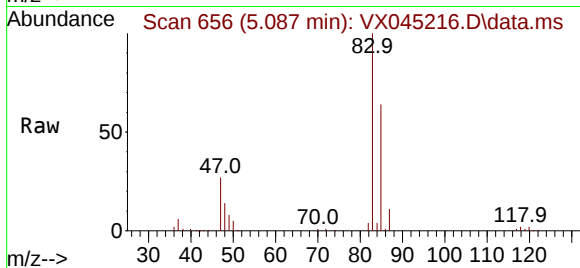
PT-VOA-WP

Tgt Ion: 83 Resp: 167331

Ion Ratio Lower Upper

83 100

85 63.6 51.4 77.2



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

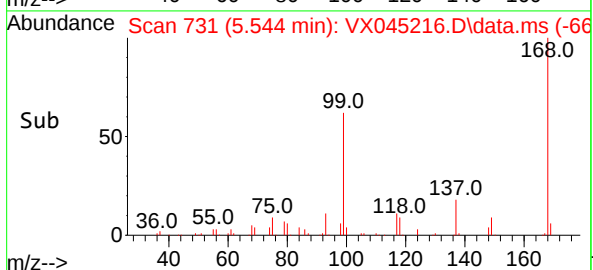
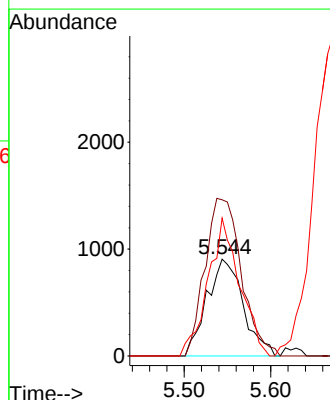
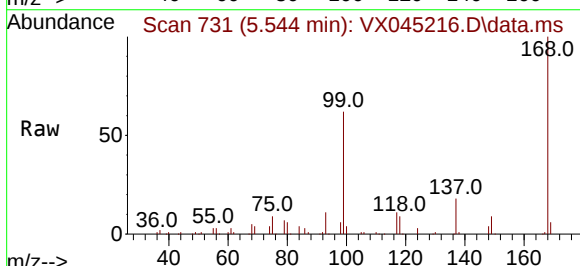
Tgt Ion: 56 Resp: 2633

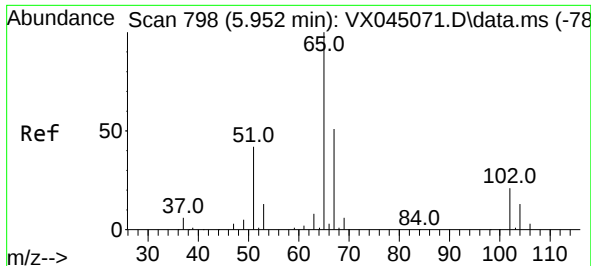
Ion Ratio Lower Upper

56 100

69 161.3 23.4 35.2#

84 142.3 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 48.823 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

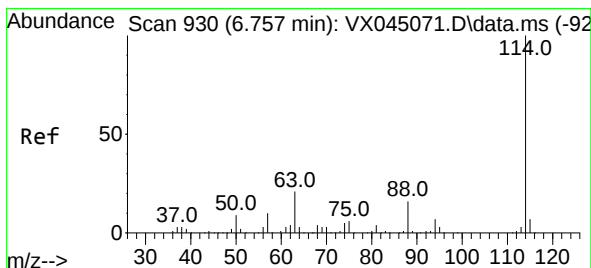
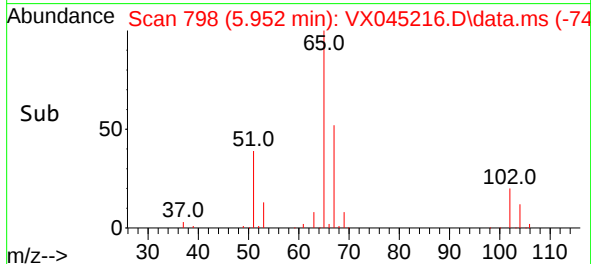
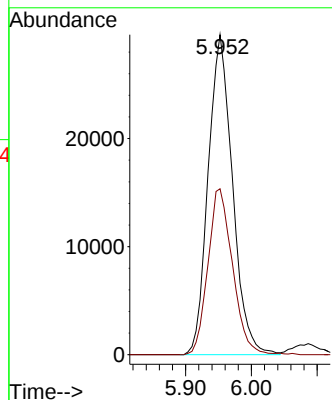
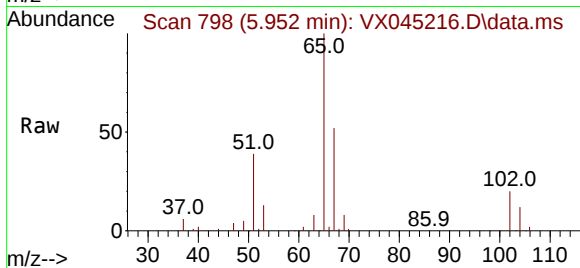
PT-VOA-WP

Tgt Ion: 65 Resp: 76319

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

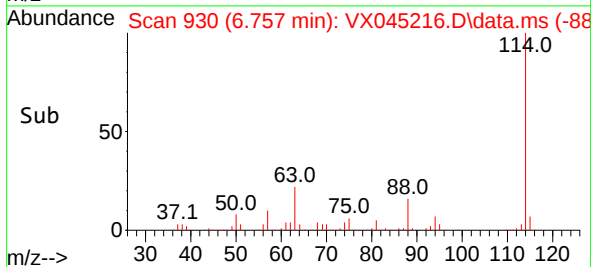
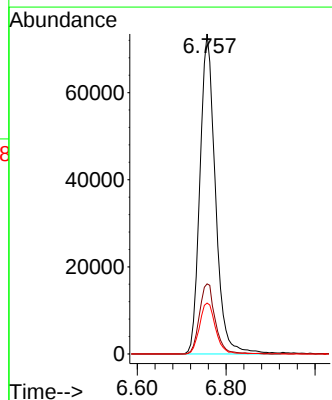
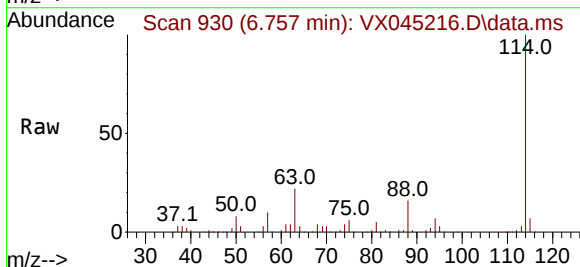
Tgt Ion: 114 Resp: 178256

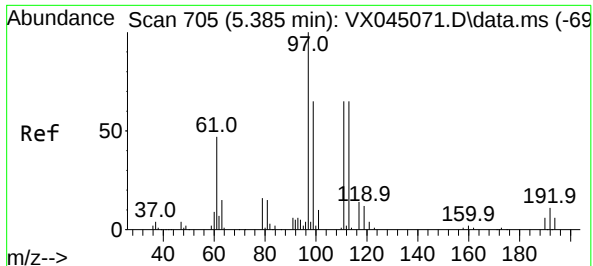
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.9 0.0 32.8

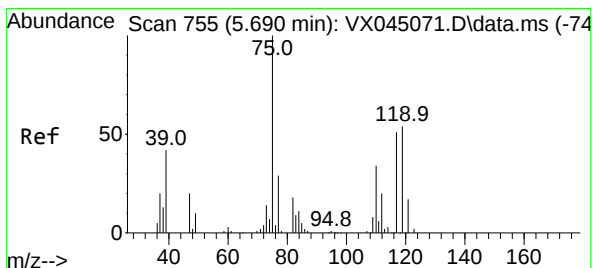
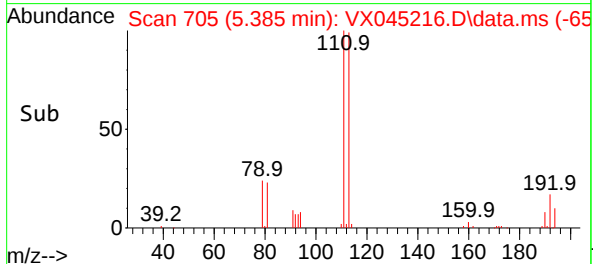
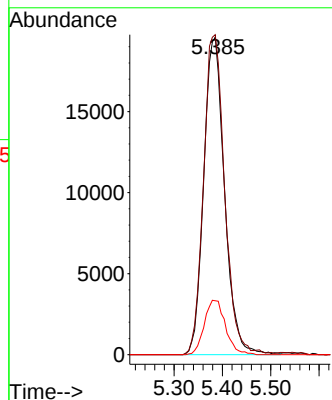
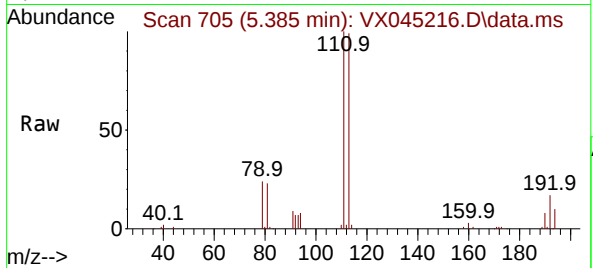




#35  
Dibromofluoromethane  
Concen: 49.023 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

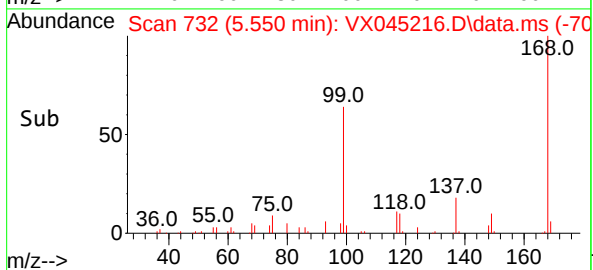
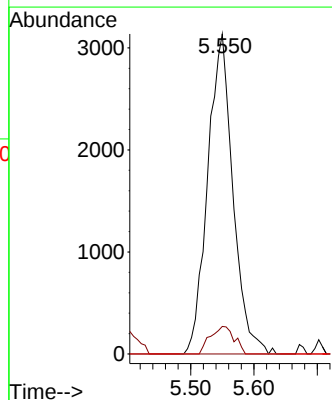
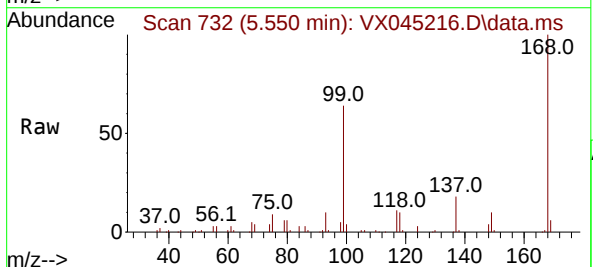
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

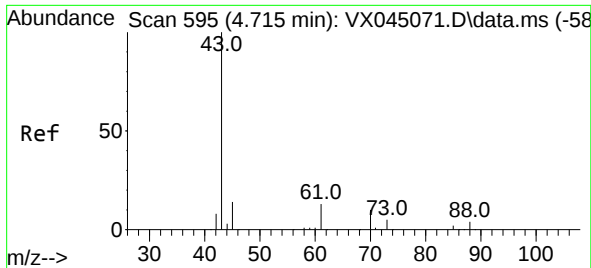
Tgt Ion:113 Resp: 58433  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.8 122.6  
192 17.5 14.3 21.5



#36  
1,1-Dichloropropene  
Concen: 5.323 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 75 Resp: 8702  
Ion Ratio Lower Upper  
75 100  
110 8.1 16.9 50.6#  
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 21.345 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

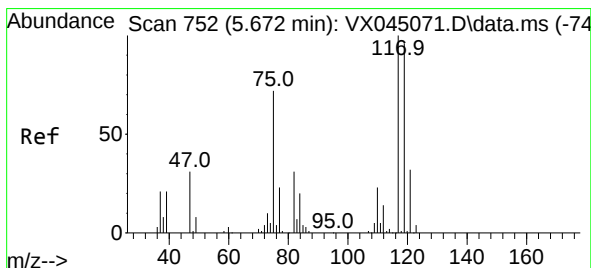
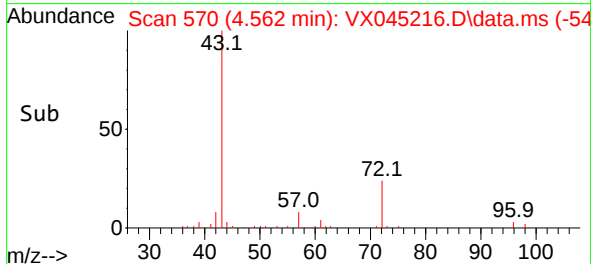
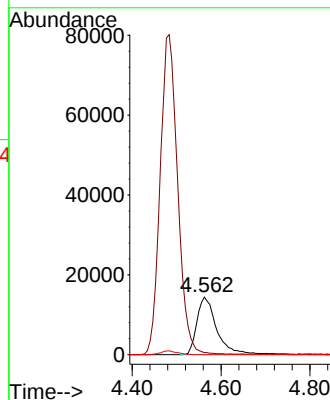
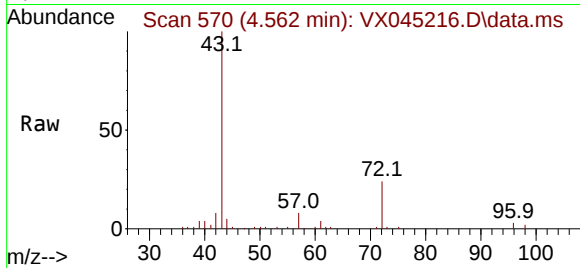
Tgt Ion: 43 Resp: 44959

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 29.791 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

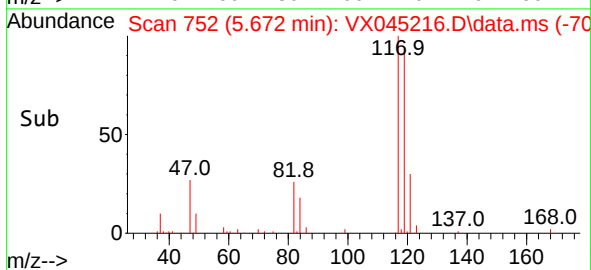
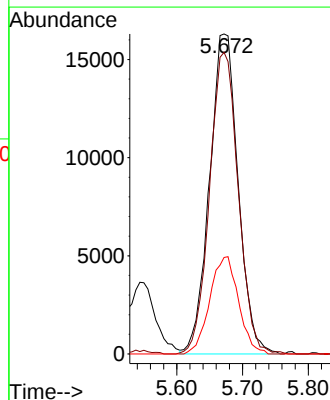
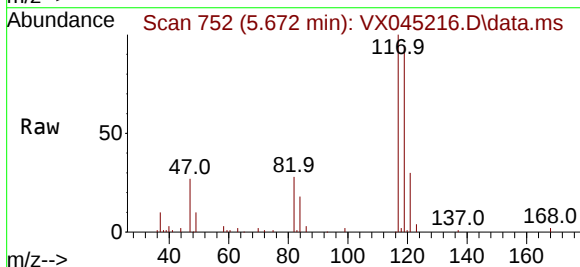
Tgt Ion:117 Resp: 49440

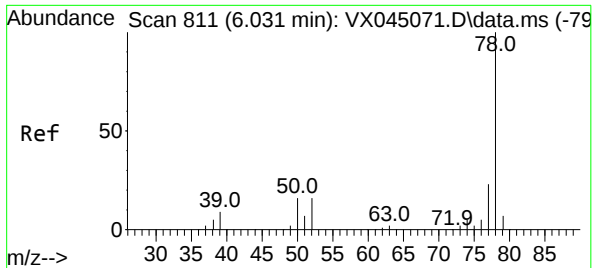
Ion Ratio Lower Upper

117 100

119 93.9 76.7 115.1

121 30.1 25.5 38.3





#40

Benzene

Concen: 112.523 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

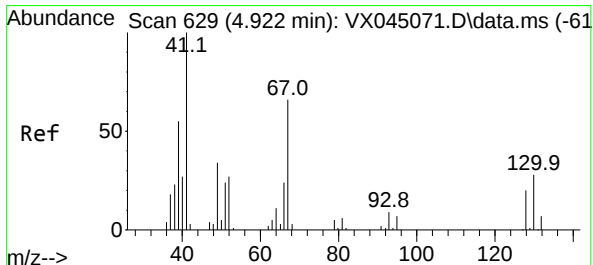
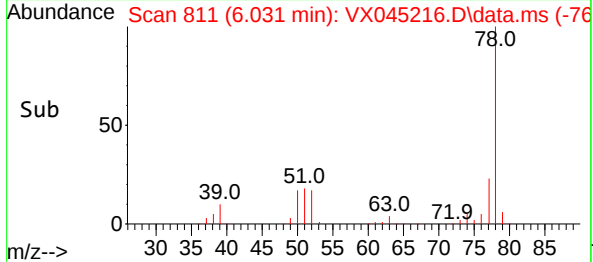
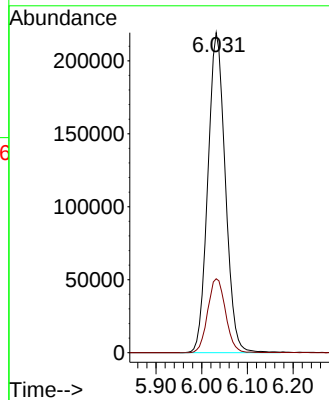
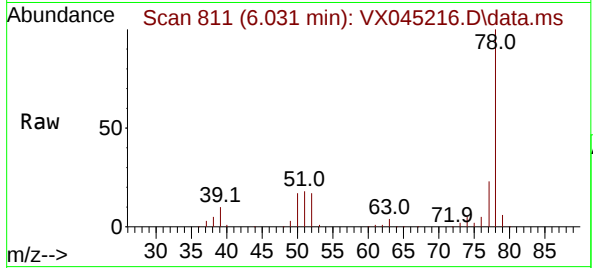
PT-VOA-WP

Tgt Ion: 78 Resp: 580824

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2



#41

Methacrylonitrile

Concen: 0.667 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.159 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Tgt Ion: 41 Resp: 760

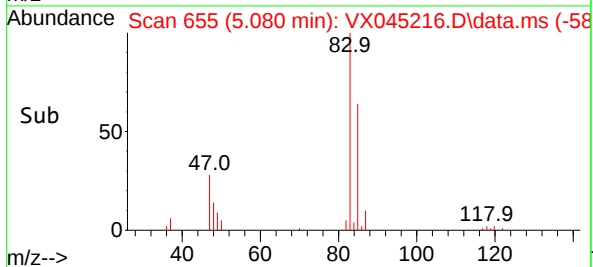
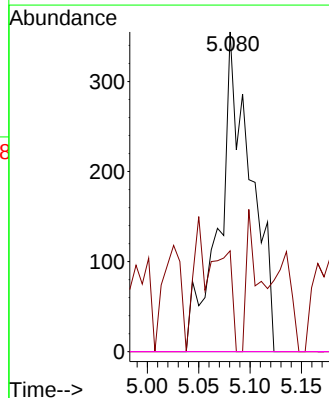
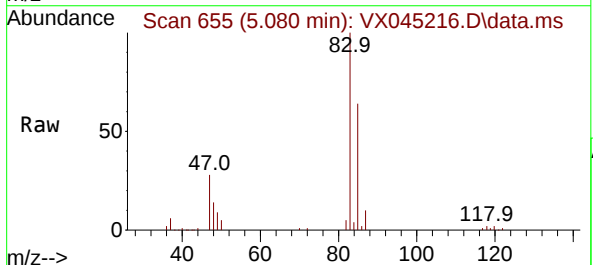
Ion Ratio Lower Upper

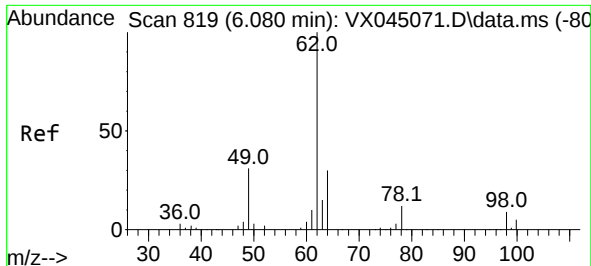
41 100

39 15.3 44.6 67.0#

67 0.0 53.9 80.9#

52 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 35.719 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

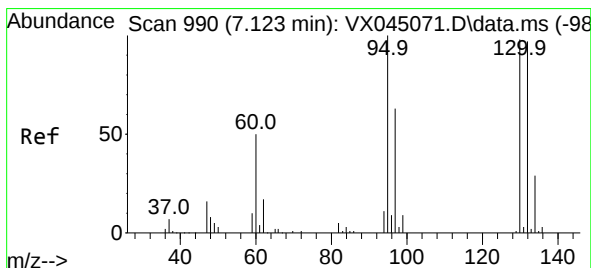
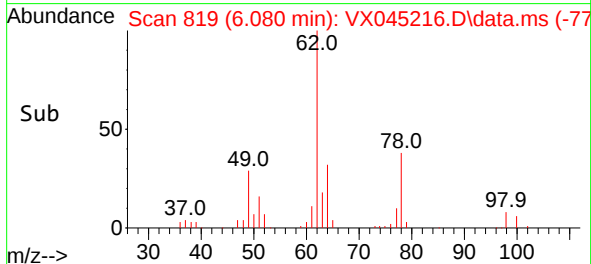
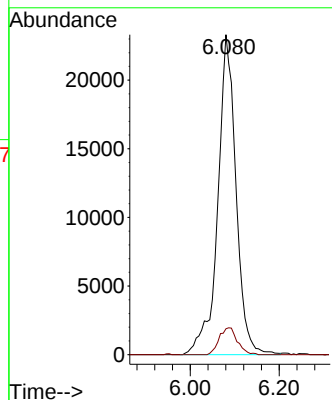
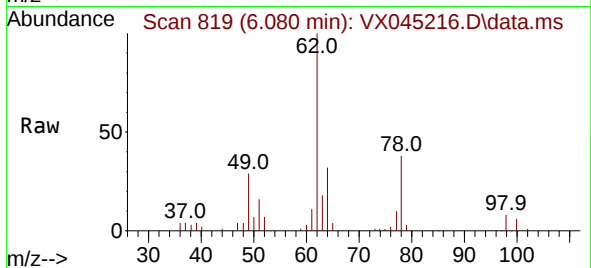
PT-VOA-WP

Tgt Ion: 62 Resp: 66393

Ion Ratio Lower Upper

62 100

98 8.4 0.0 18.2



#44

Trichloroethene

Concen: 51.910 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045216.D

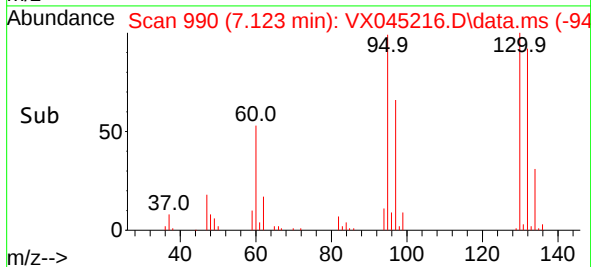
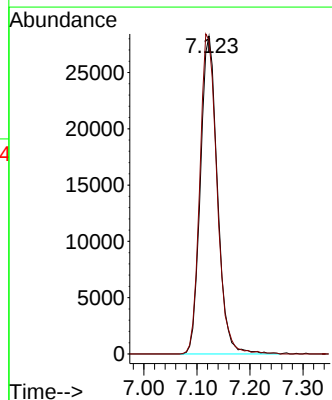
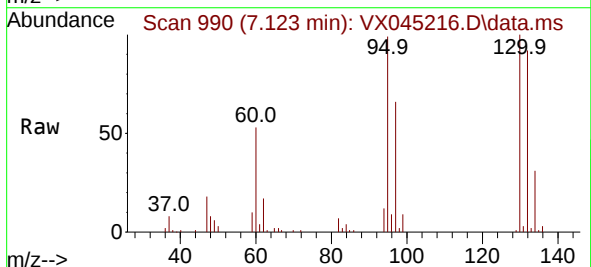
Acq: 11 Mar 2025 12:03

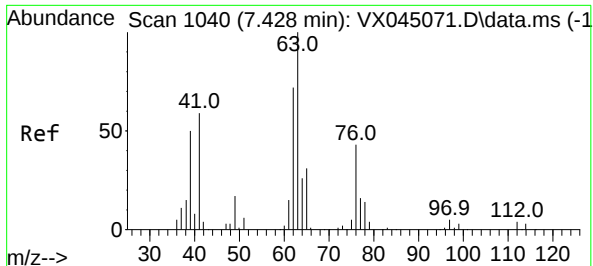
Tgt Ion:130 Resp: 62917

Ion Ratio Lower Upper

130 100

95 98.8 0.0 205.0





#45

1,2-Dichloropropane

Concen: 77.527 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

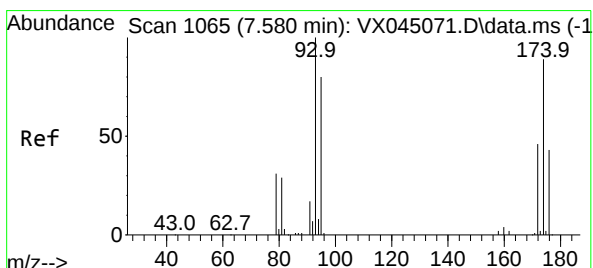
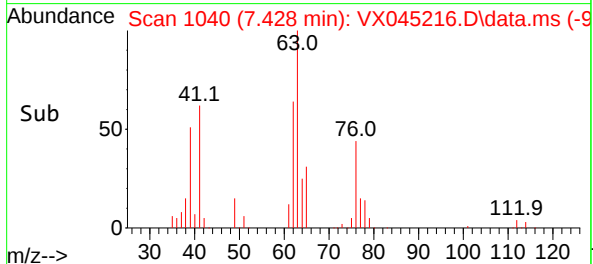
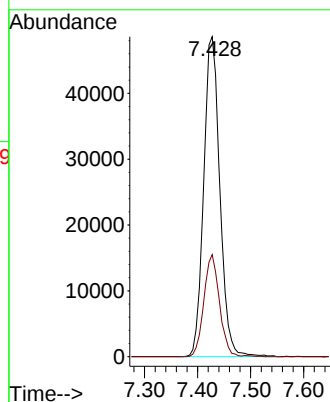
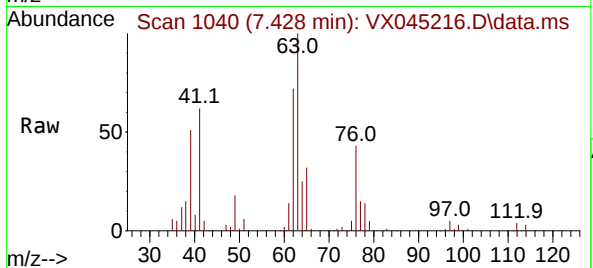
PT-VOA-WP

Tgt Ion: 63 Resp: 102890

Ion Ratio Lower Upper

63 100

65 31.9 24.7 37.1



#46

Dibromomethane

Concen: 101.245 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

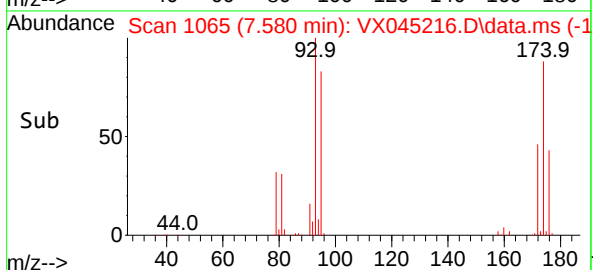
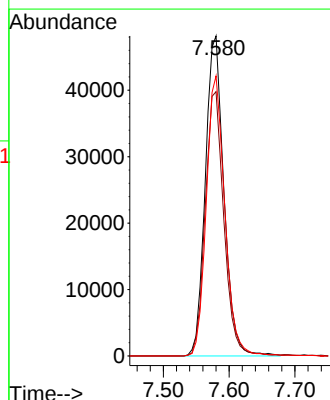
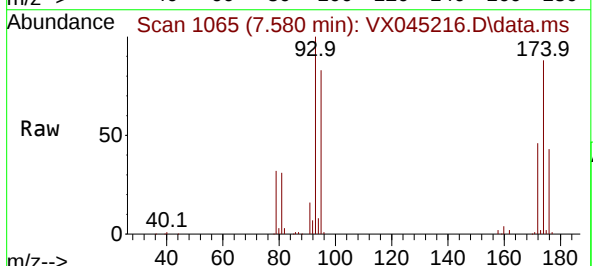
Tgt Ion: 93 Resp: 94973

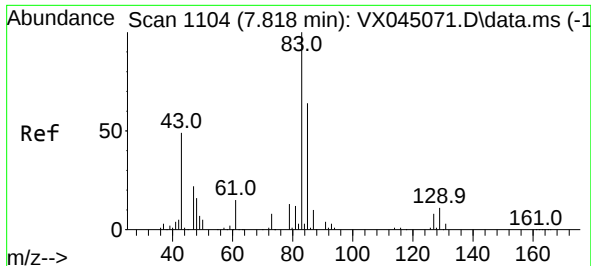
Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.8

174 87.3 72.2 108.2

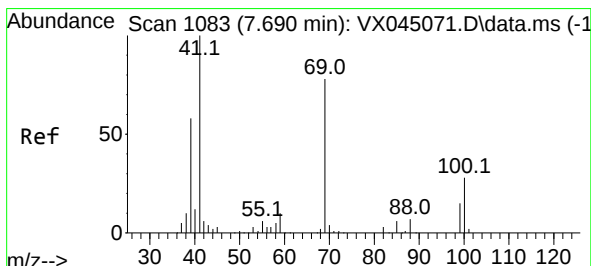
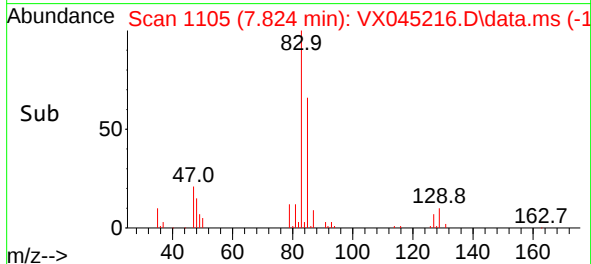
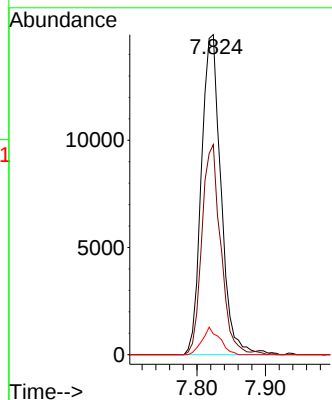
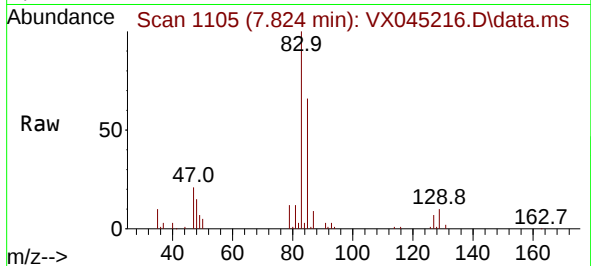




#47  
Bromodichloromethane  
Concen: 16.173 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

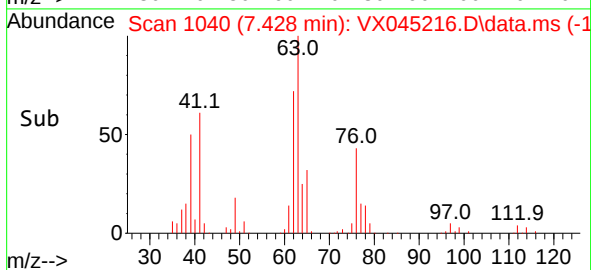
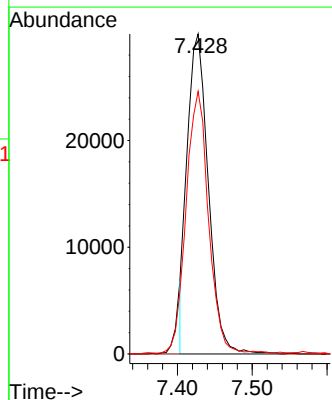
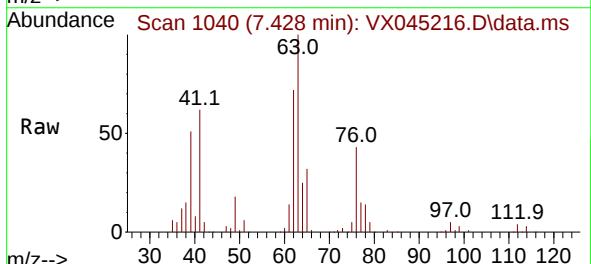
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

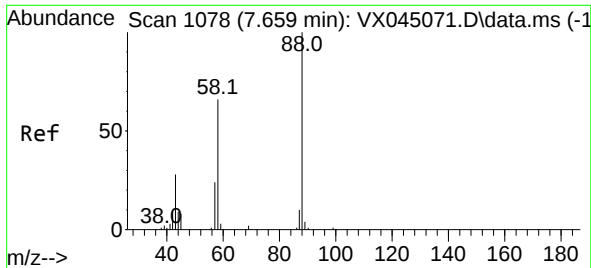
Tgt Ion: 83 Resp: 29757  
Ion Ratio Lower Upper  
83 100  
85 65.7 51.1 76.7  
127 6.5 6.4 9.6



#48  
Methyl methacrylate  
Concen: 37.695 ug/l  
RT: 7.428 min Scan# 1040  
Delta R.T. -0.262 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 41 Resp: 58903  
Ion Ratio Lower Upper  
41 100  
69 0.0 63.0 94.6#  
39 79.8 47.5 71.3#





#49

1,4-Dioxane

Concen: 14.714 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.085 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

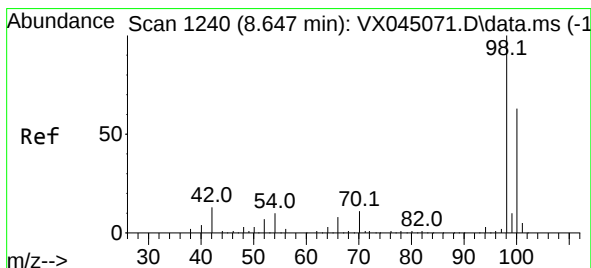
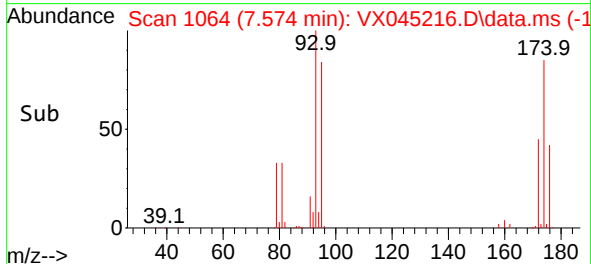
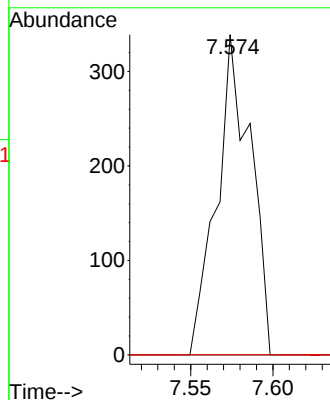
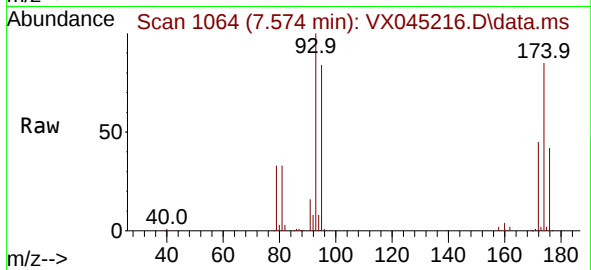
Tgt Ion: 88 Resp: 485

Ion Ratio Lower Upper

88 100

43 0.0 28.7 43.1#

58 0.0 55.8 83.8#



#50

Toluene-d8

Concen: 48.948 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045216.D

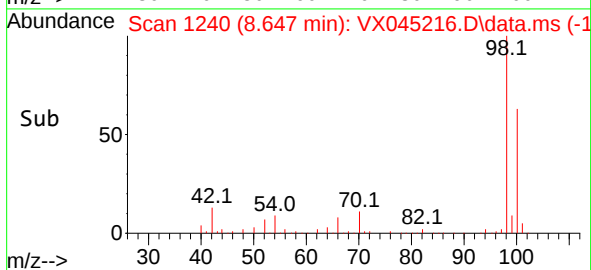
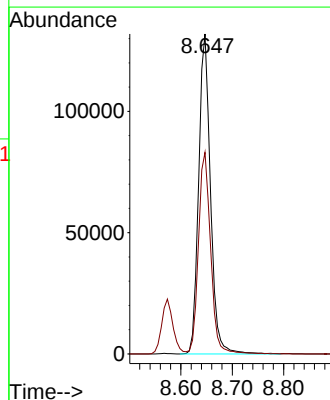
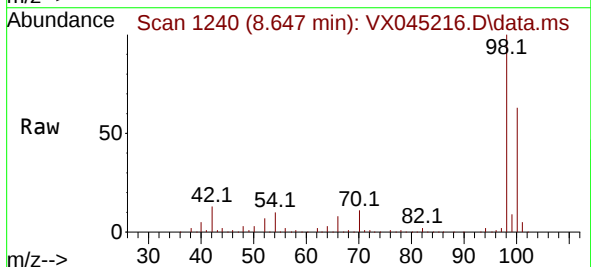
Acq: 11 Mar 2025 12:03

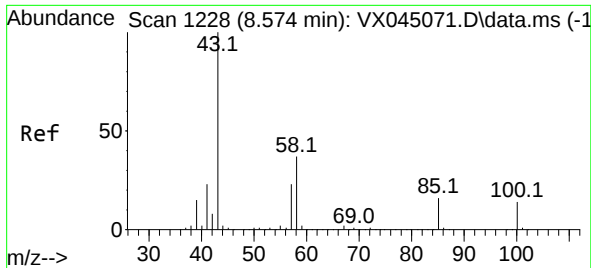
Tgt Ion: 98 Resp: 211517

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

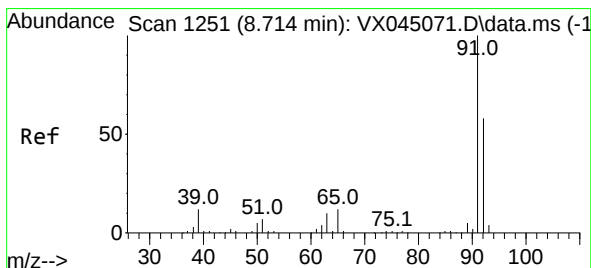
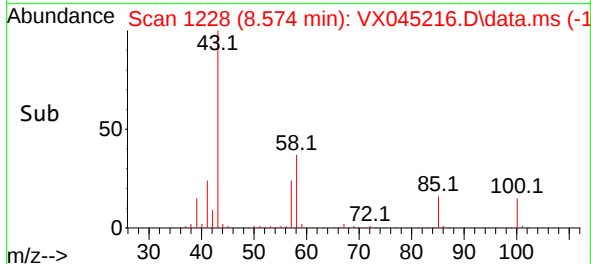
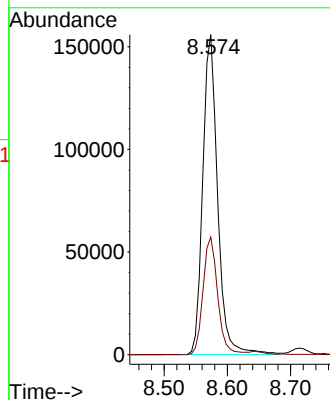
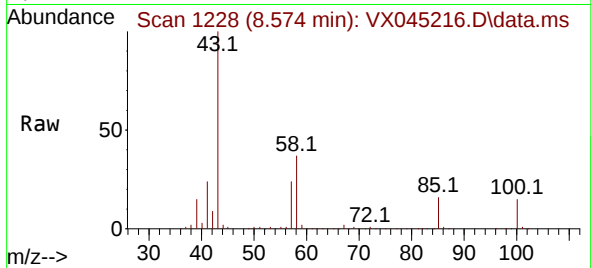




#51  
4-Methyl-2-Pentanone  
Concen: 121.958 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

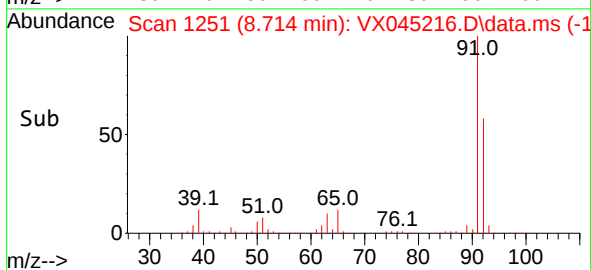
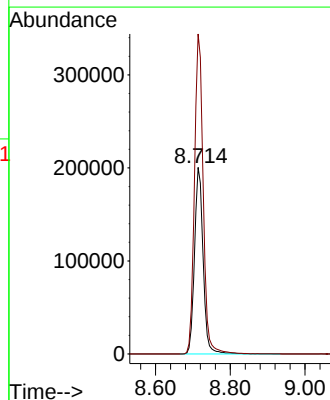
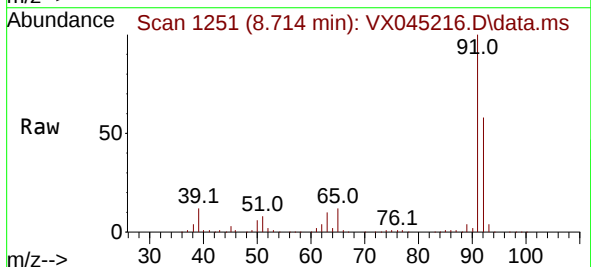
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

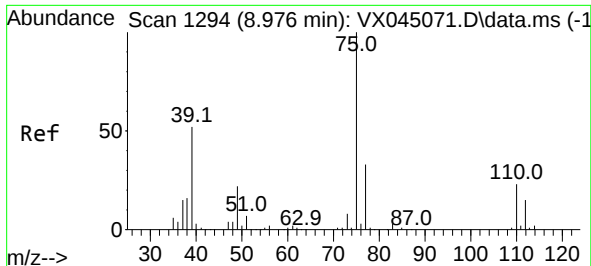
Tgt Ion: 43 Resp: 255054  
Ion Ratio Lower Upper  
43 100  
58 36.2 29.2 43.8



#52  
Toluene  
Concen: 105.734 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 92 Resp: 320220  
Ion Ratio Lower Upper  
92 100  
91 173.9 138.9 208.3

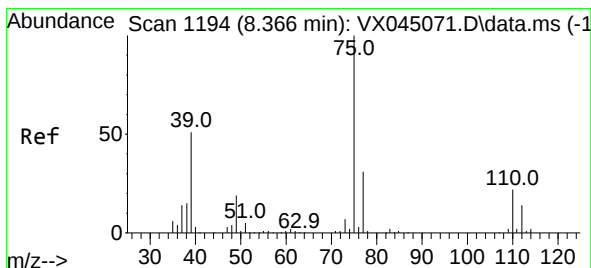
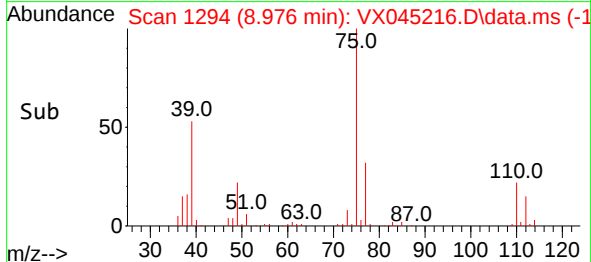
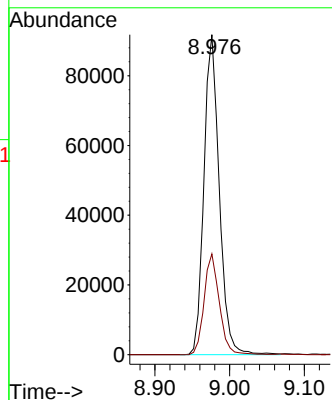
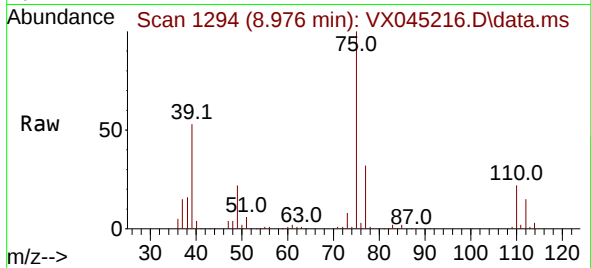




#53  
 t-1,3-Dichloropropene  
 Concen: 85.056 ug/l  
 RT: 8.976 min Scan# 1193  
 Delta R.T. 0.000 min  
 Lab File: VX045216.D  
 Acq: 11 Mar 2025 12:03

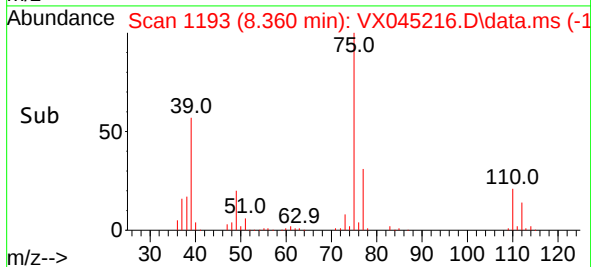
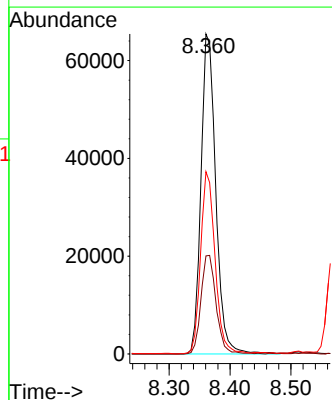
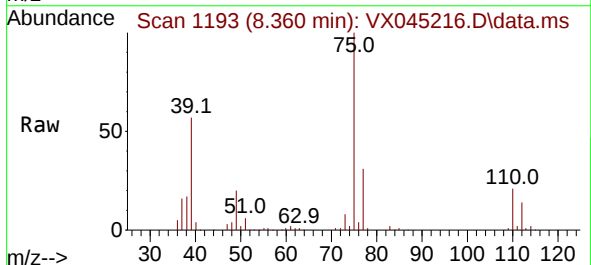
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PT-VOA-WP

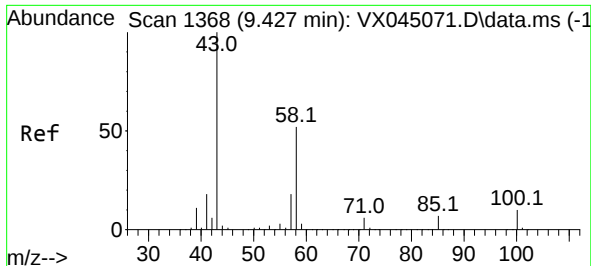
Tgt Ion: 75 Resp: 130835  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 26.5 39.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 61.652 ug/l  
 RT: 8.360 min Scan# 1193  
 Delta R.T. -0.006 min  
 Lab File: VX045216.D  
 Acq: 11 Mar 2025 12:03

Tgt Ion: 75 Resp: 110586  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 24.7 37.1  
 39 56.8 40.7 61.1

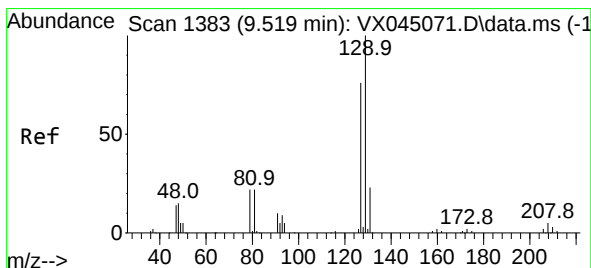
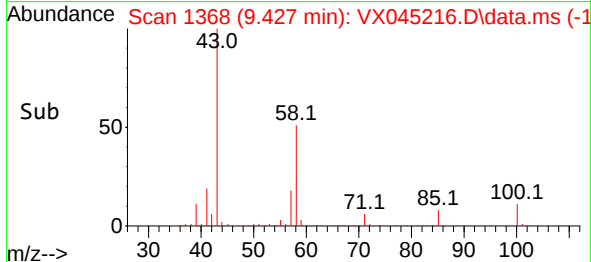
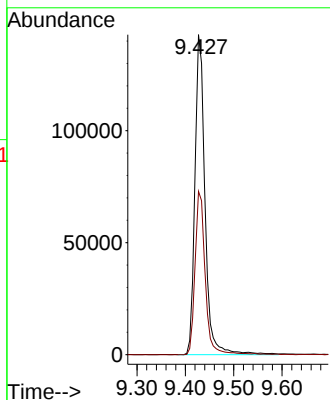
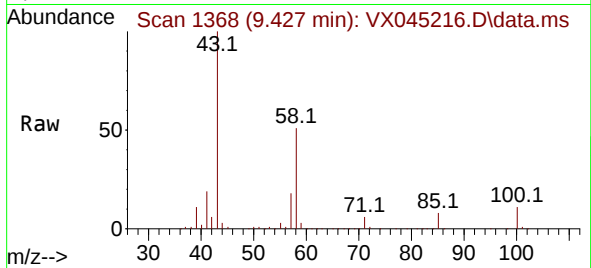




#59  
2-Hexanone  
Concen: 136.734 ug/l  
RT: 9.427 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

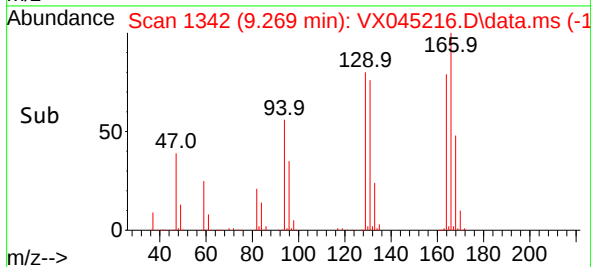
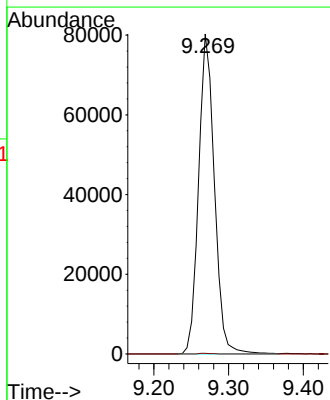
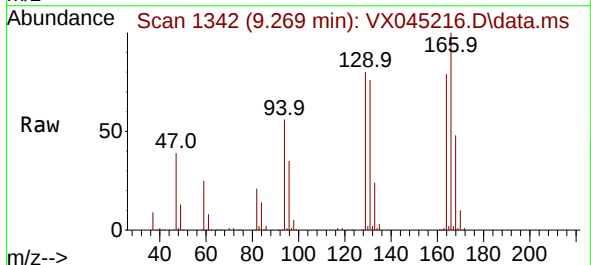
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

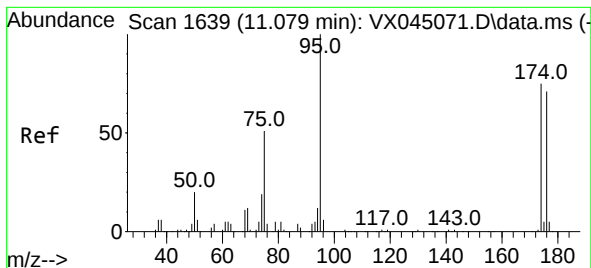
Tgt Ion: 43 Resp: 207188  
Ion Ratio Lower Upper  
43 100  
58 51.7 25.9 77.6



#60  
Dibromochloromethane  
Concen: 90.377 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.250 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 129 Resp: 117817  
Ion Ratio Lower Upper  
129 100  
127 0.2 38.5 115.5#

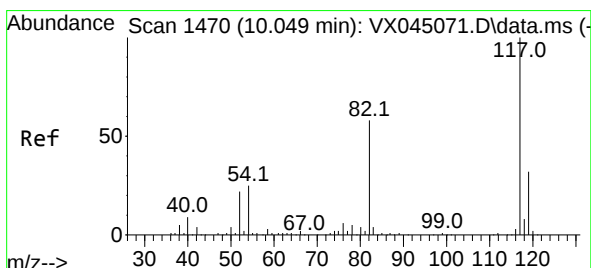
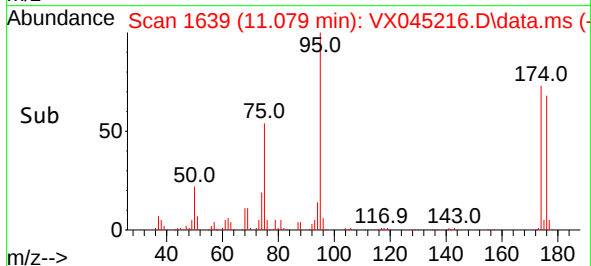
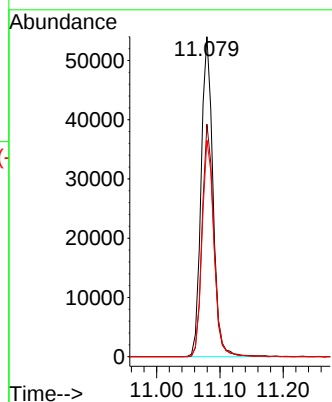
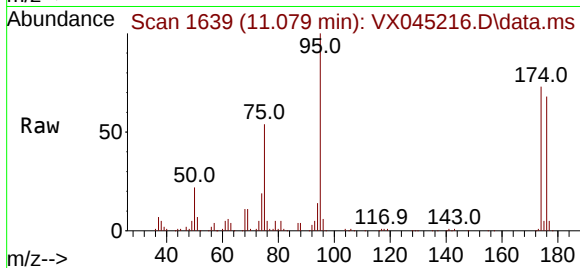




#62  
4-Bromofluorobenzene  
Concen: 49.138 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

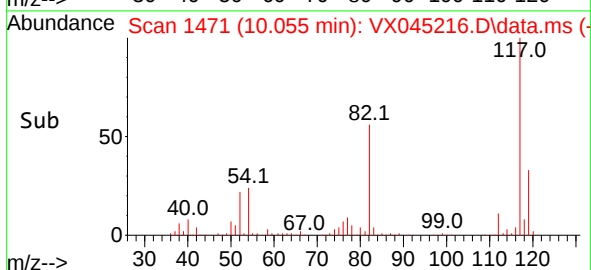
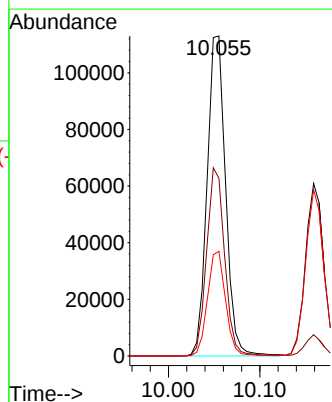
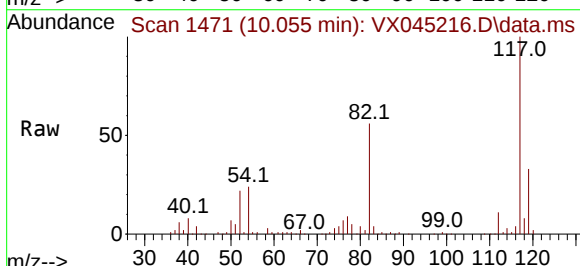
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

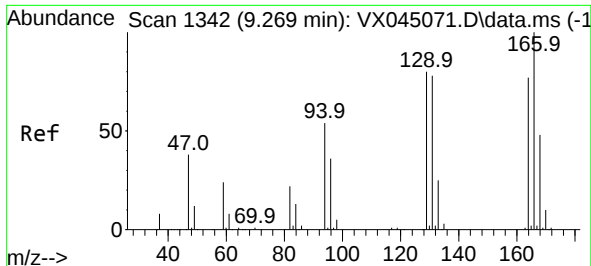
Tgt Ion: 95 Resp: 70362  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 148.2  
176 68.4 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 117 Resp: 158768  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.3 69.5  
119 32.7 25.7 38.5

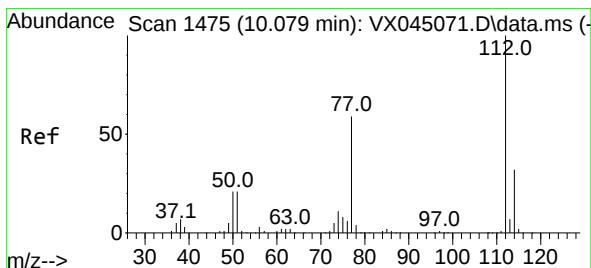
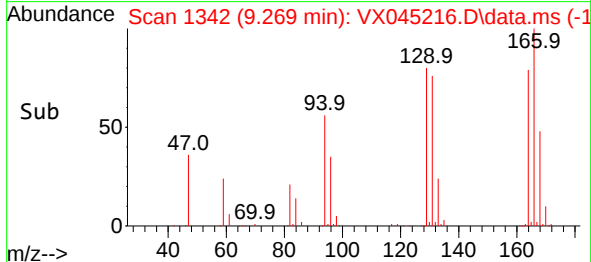
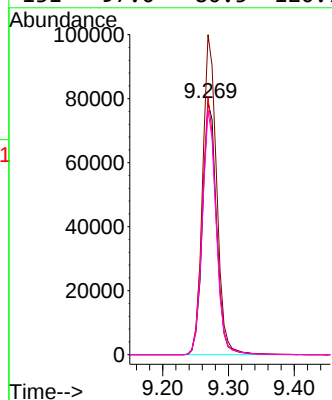
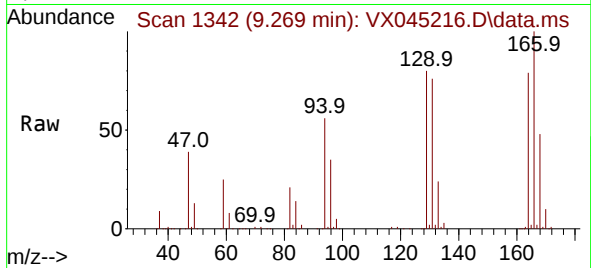




#64  
Tetrachloroethene  
Concen: 115.207 ug/l  
RT: 9.269 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

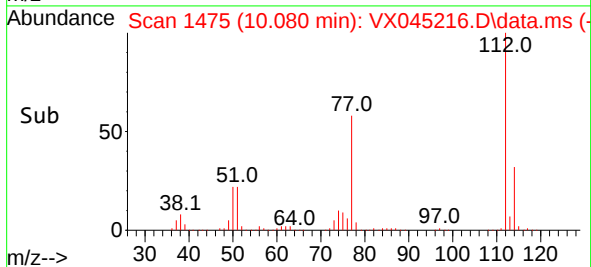
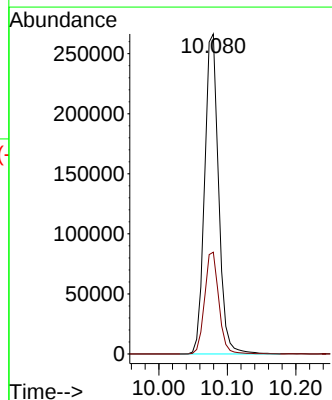
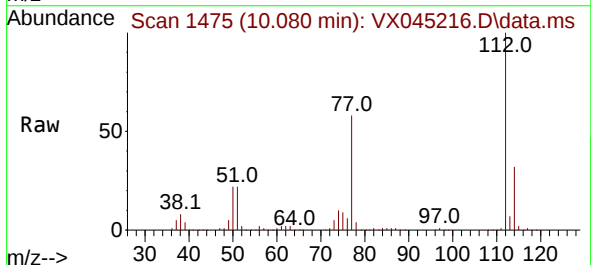
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

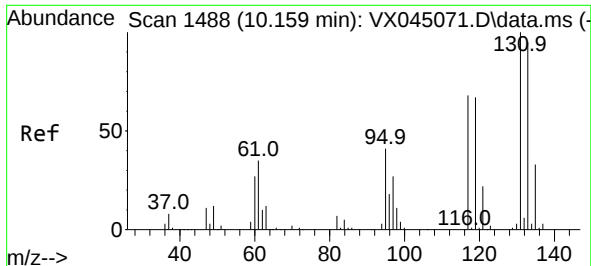
Tgt Ion:164 Resp: 117148  
Ion Ratio Lower Upper  
164 100  
166 127.0 103.6 155.4  
129 102.0 82.7 124.1  
131 97.0 80.5 120.7



#65  
Chlorobenzene  
Concen: 112.799 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion:112 Resp: 378949  
Ion Ratio Lower Upper  
112 100  
114 31.8 26.0 39.0

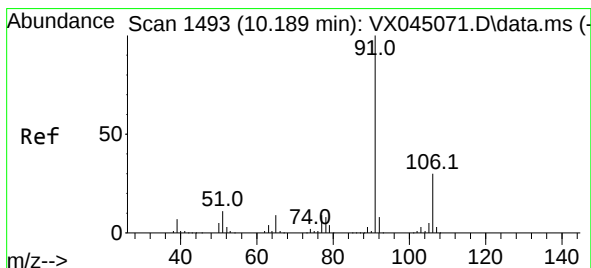
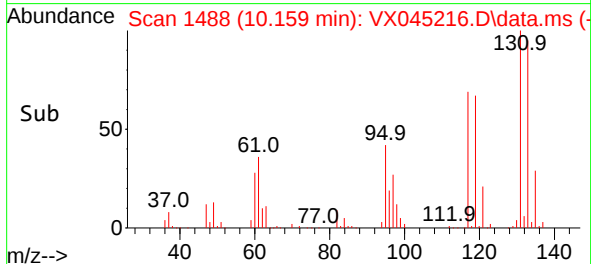
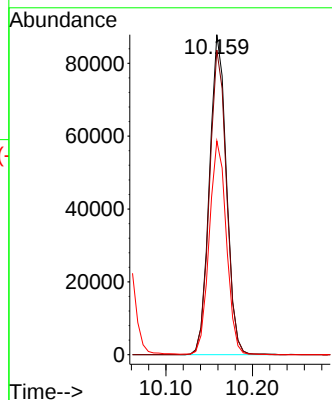
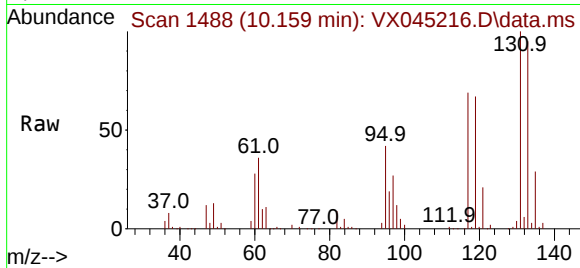




#66  
1,1,1,2-Tetrachloroethane  
Concen: 107.091 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

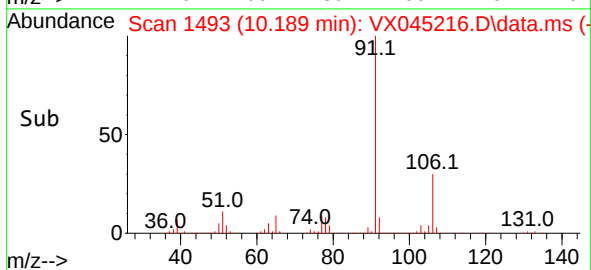
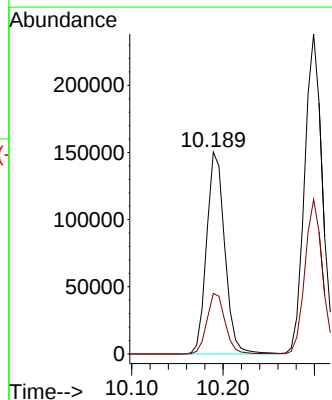
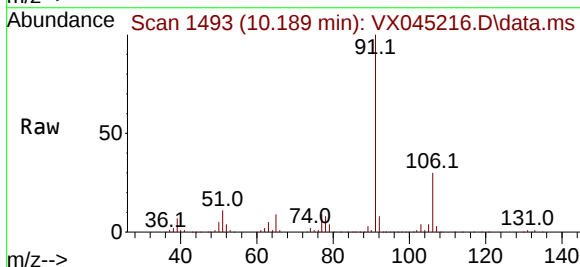
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

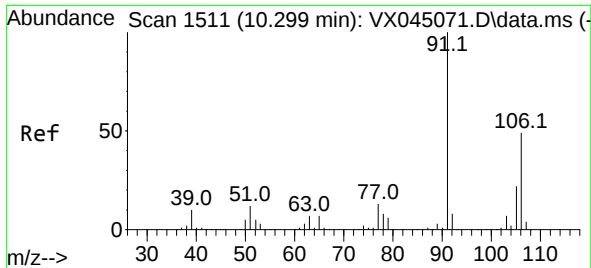
Tgt Ion:131 Resp: 119812  
Ion Ratio Lower Upper  
131 100  
133 95.3 48.6 145.9  
119 67.3 33.9 101.7



#67  
Ethyl Benzene  
Concen: 35.365 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 91 Resp: 207014  
Ion Ratio Lower Upper  
91 100  
106 30.0 23.9 35.9

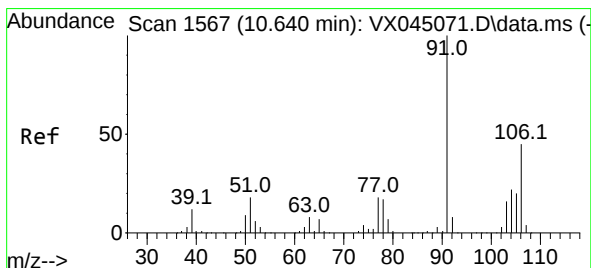
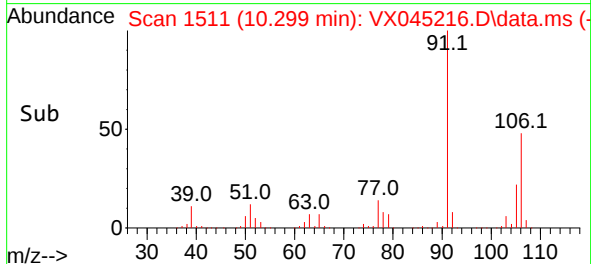
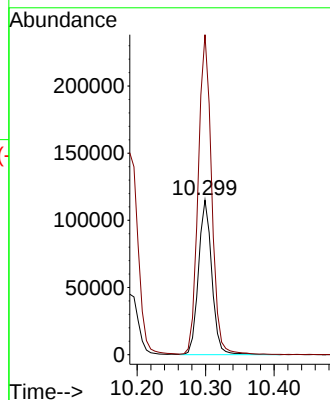
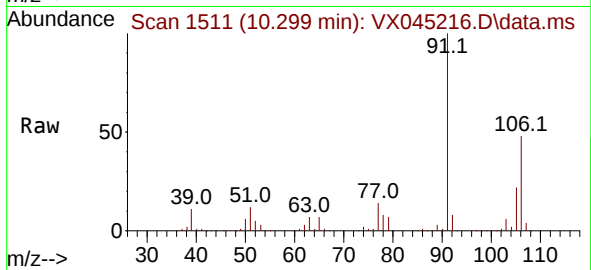




#68  
m/p-Xylenes  
Concen: 72.639 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

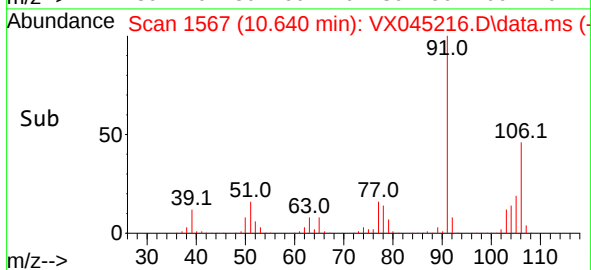
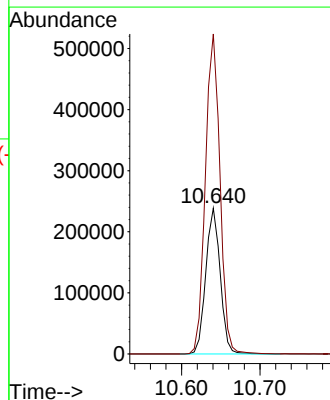
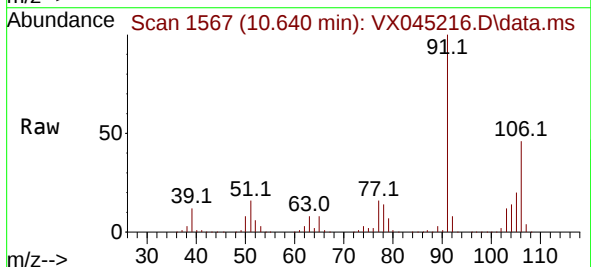
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

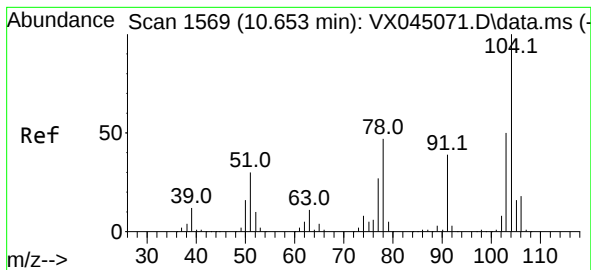
Tgt Ion:106 Resp: 155658  
Ion Ratio Lower Upper  
106 100  
91 208.7 165.4 248.0



#69  
o-Xylene  
Concen: 140.973 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion:106 Resp: 304677  
Ion Ratio Lower Upper  
106 100  
91 222.5 109.9 329.6





#70

Styrene

Concen: 89.554 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

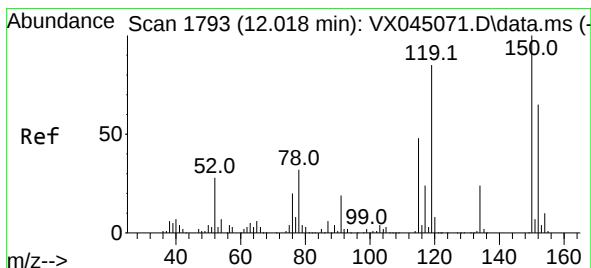
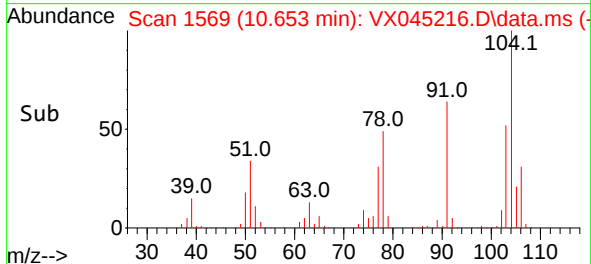
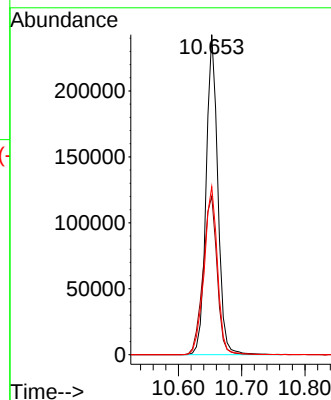
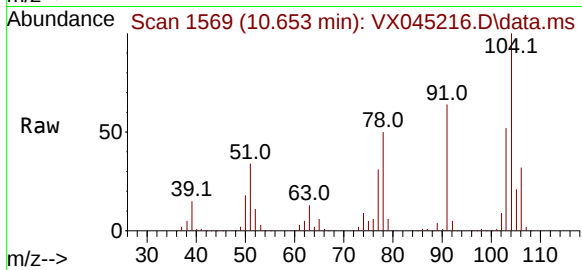
Tgt Ion:104 Resp: 313173

Ion Ratio Lower Upper

104 100

78 59.2 42.2 63.4

103 59.7 43.8 65.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

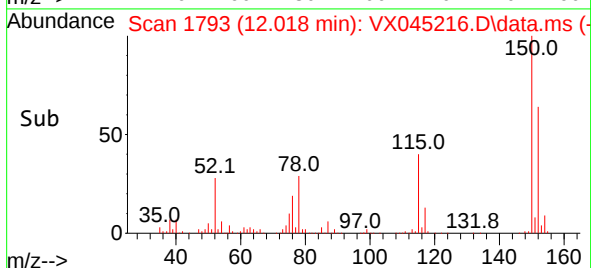
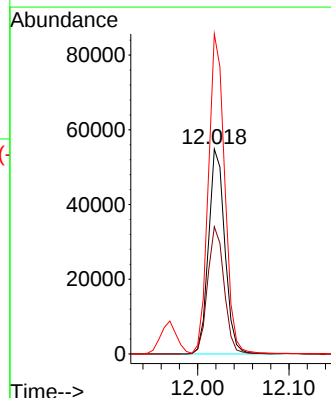
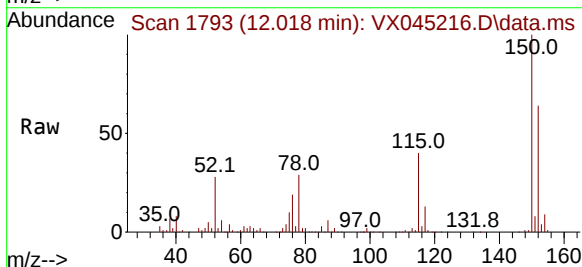
Tgt Ion:152 Resp: 68042

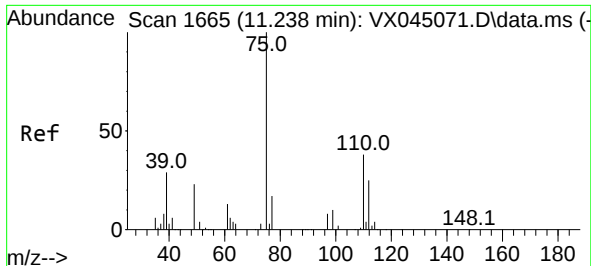
Ion Ratio Lower Upper

152 100

115 62.8 44.2 132.6

150 156.8 0.0 349.0

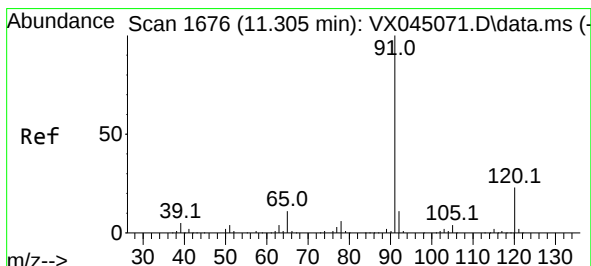
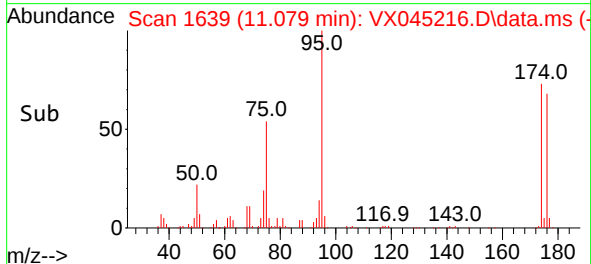
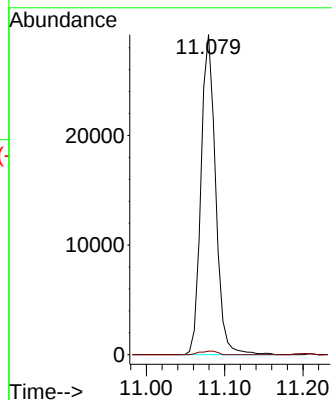
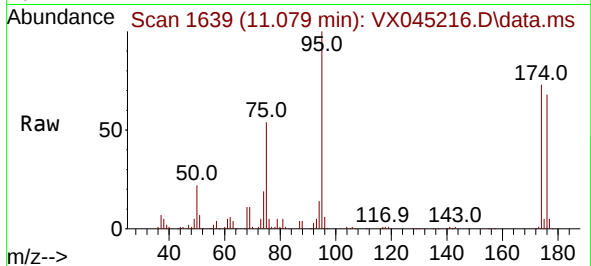




#76  
1,2,3-Trichloropropane  
Concen: 23.953 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.158 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

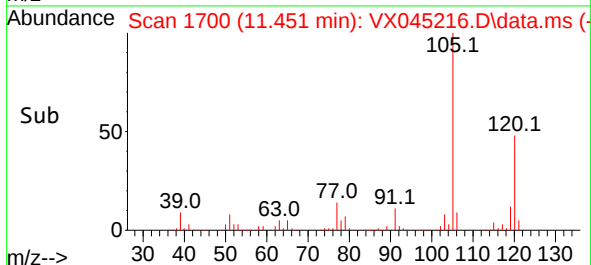
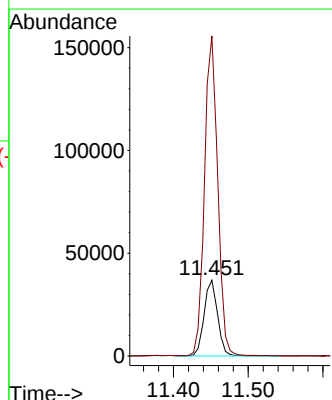
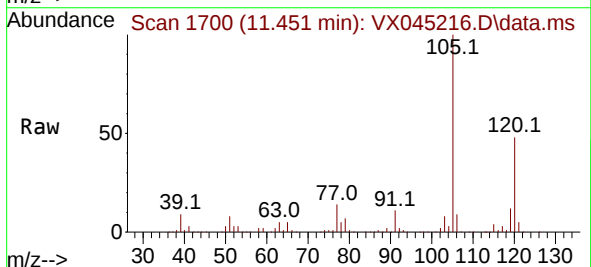
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

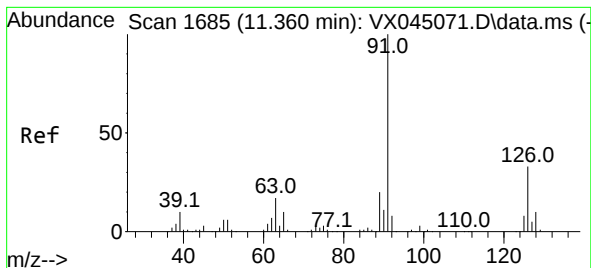
Tgt Ion: 75 Resp: 37934  
Ion Ratio Lower Upper  
75 100  
77 0.0 20.7 62.1#



#78  
n-propylbenzene  
Concen: 7.703 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.146 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 91 Resp: 46215  
Ion Ratio Lower Upper  
91 100  
120 412.3 11.2 33.6#





#79

2-Chlorotoluene

Concen: 12.096 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.091 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

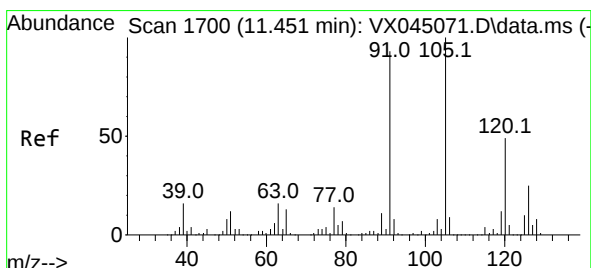
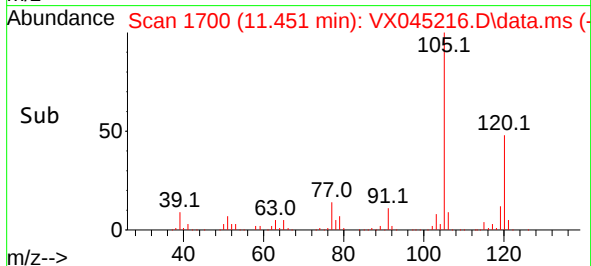
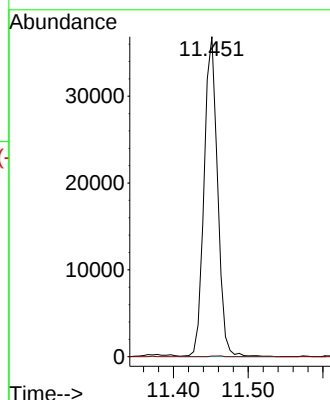
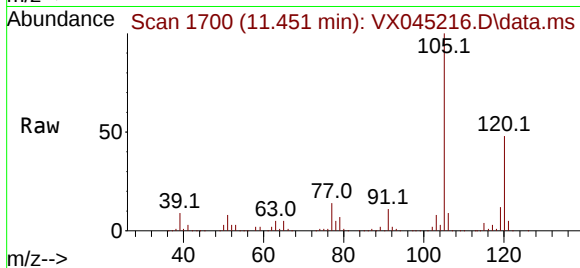
PT-VOA-WP

Tgt Ion: 91 Resp: 46215

Ion Ratio Lower Upper

91 100

126 0.2 16.4 49.4#



#80

1,3,5-Trimethylbenzene

Concen: 92.891 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045216.D

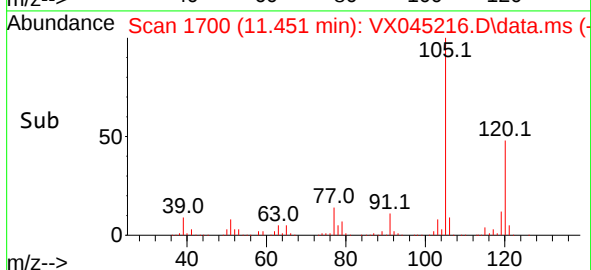
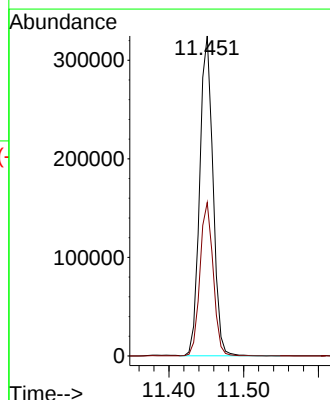
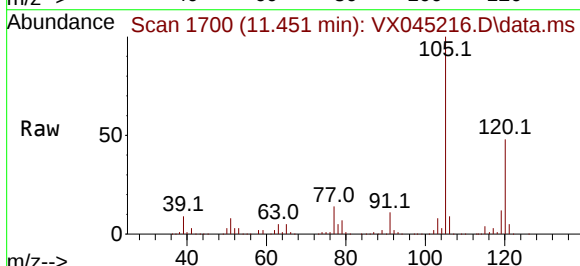
Acq: 11 Mar 2025 12:03

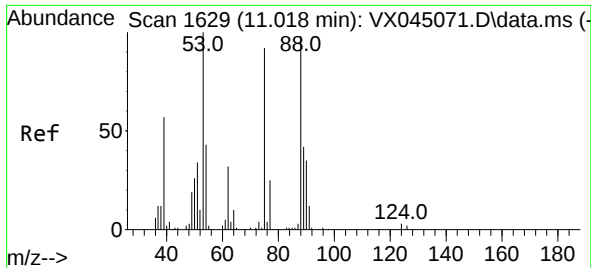
Tgt Ion:105 Resp: 398895

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2

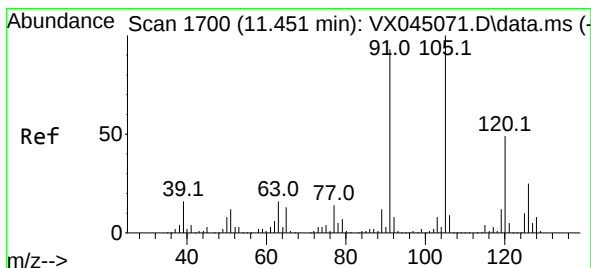
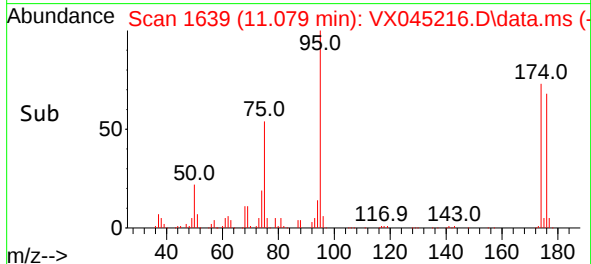
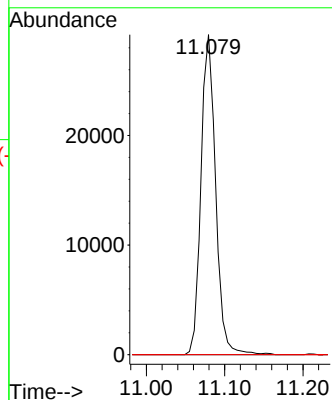
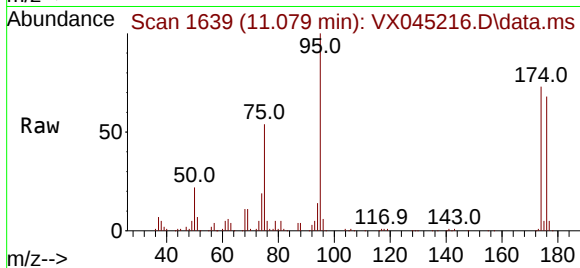




#81  
trans-1,4-Dichloro-2-butene  
Concen: 81.972 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

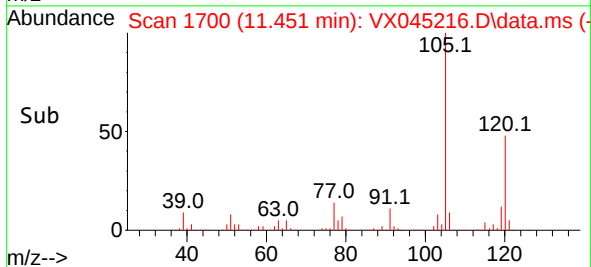
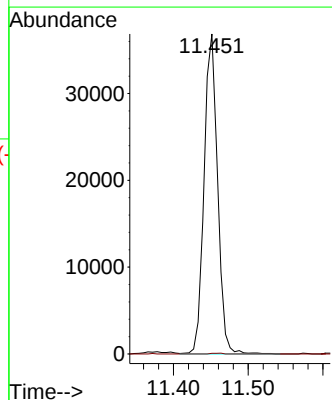
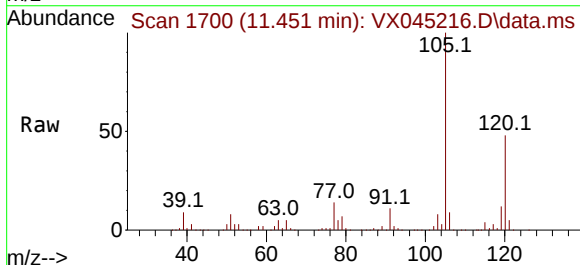
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

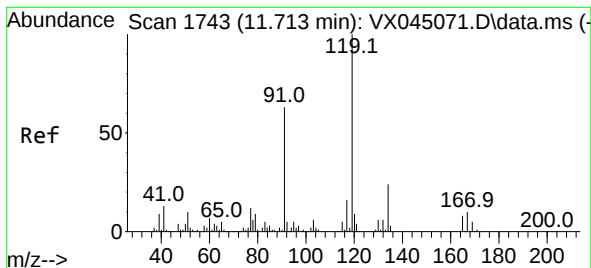
Tgt Ion: 75 Resp: 37934  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#



#82  
4-Chlorotoluene  
Concen: 11.098 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion: 91 Resp: 46215  
Ion Ratio Lower Upper  
91 100  
126 0.2 14.1 42.4#





#83

tert-Butylbenzene

Concen: 10.786 ug/l

RT: 11.451 min Scan# 1

Delta R.T. -0.262 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

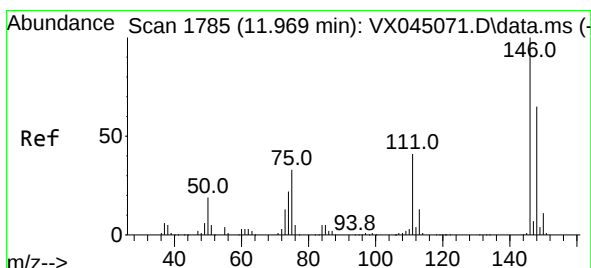
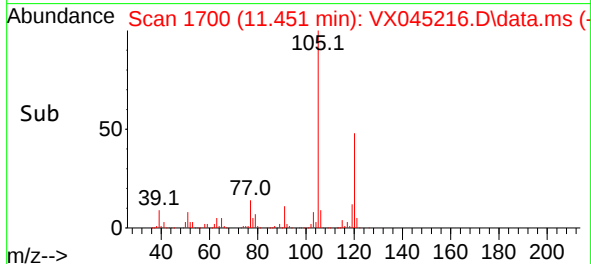
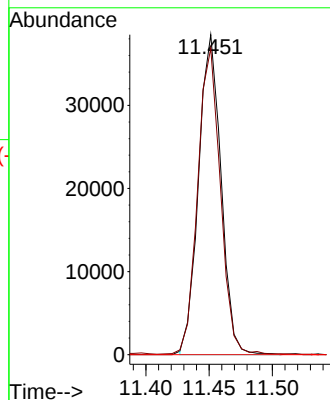
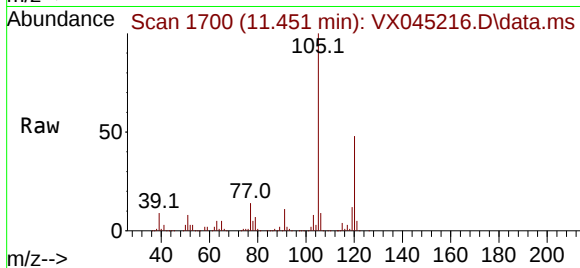
Tgt Ion:119 Resp: 47589

Ion Ratio Lower Upper

119 100

91 96.5 30.7 92.1#

134 0.0 11.7 35.0#



#87

1,3-Dichlorobenzene

Concen: 48.877 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

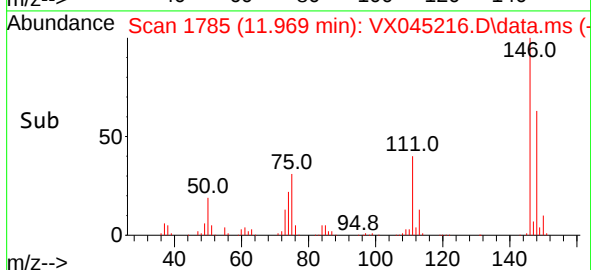
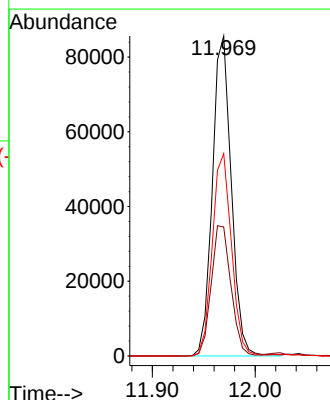
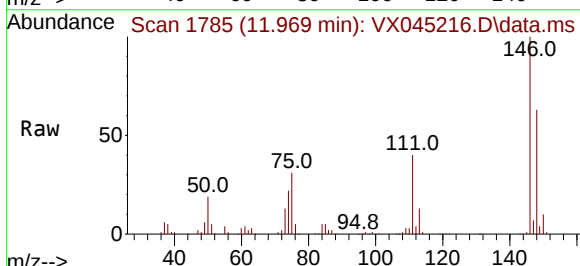
Tgt Ion:146 Resp: 109258

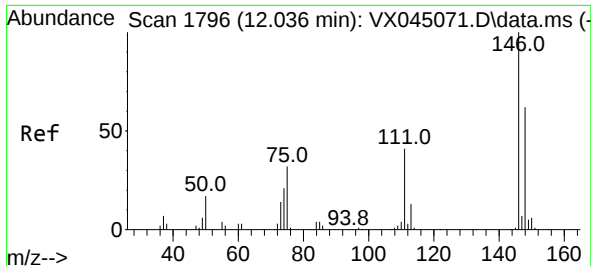
Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.4

148 64.1 31.9 95.7

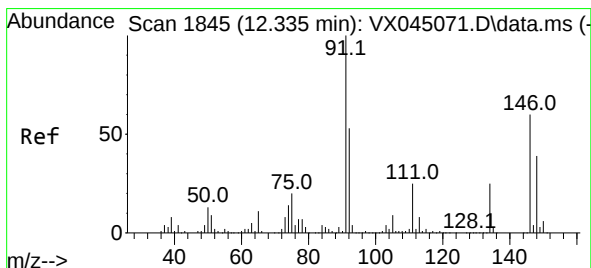
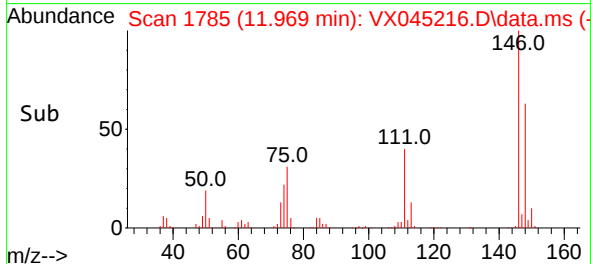
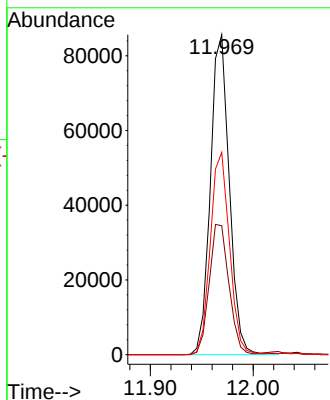
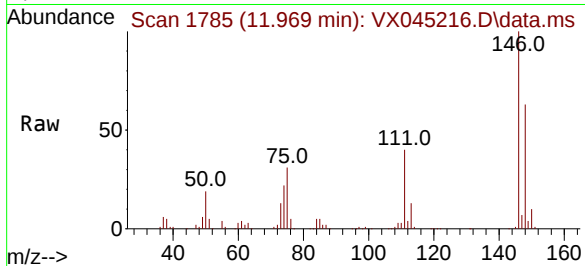




#88  
1,4-Dichlorobenzene  
Concen: 48.311 ug/l  
RT: 11.969 min Scan# 11  
Delta R.T. -0.067 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

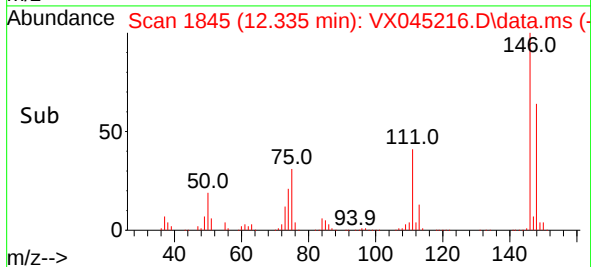
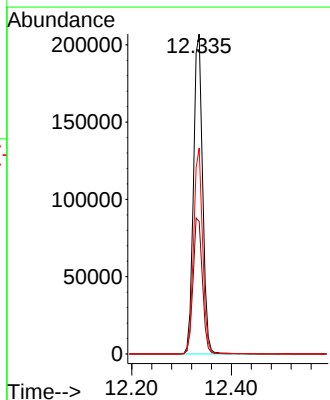
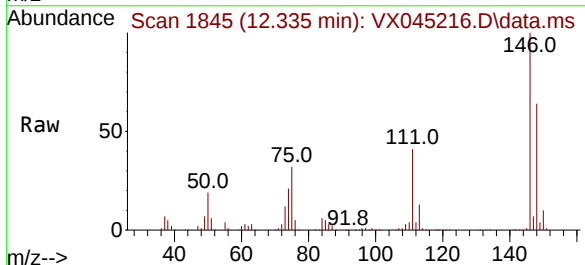
Instrument :  
MSVOA\_X  
ClientSampleId :  
PT-VOA-WP

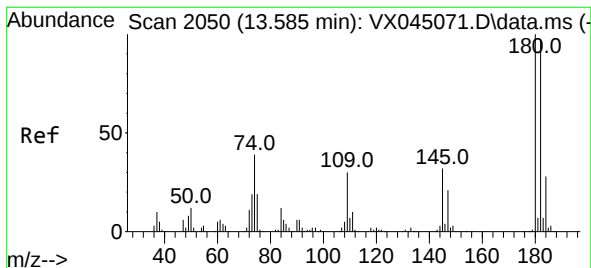
Tgt Ion:146 Resp: 109258  
Ion Ratio Lower Upper  
146 100  
111 42.5 20.2 60.5  
148 64.1 31.9 95.9



#91  
1,2-Dichlorobenzene  
Concen: 117.247 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX045216.D  
Acq: 11 Mar 2025 12:03

Tgt Ion:146 Resp: 262915  
Ion Ratio Lower Upper  
146 100  
111 43.5 21.6 65.0  
148 63.3 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.290 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP

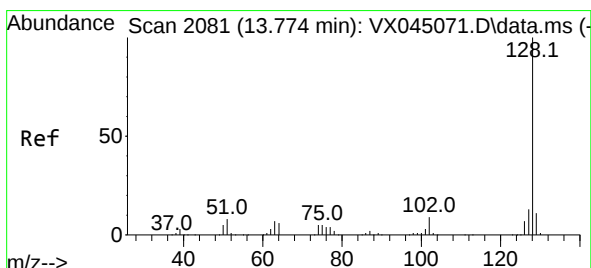
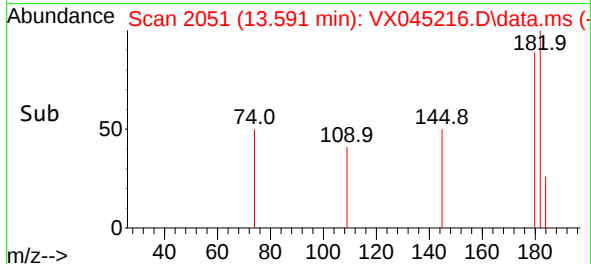
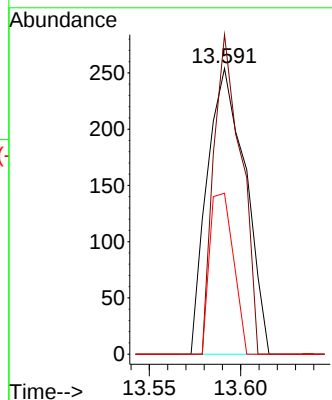
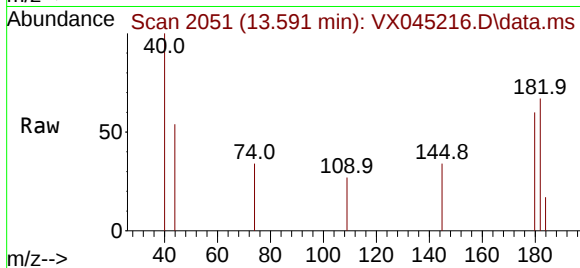
Tgt Ion:180 Resp: 370

Ion Ratio Lower Upper

180 100

182 80.5 47.3 141.9

145 35.1 16.3 48.9



#95

Naphthalene

Concen: 86.479 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045216.D

Acq: 11 Mar 2025 12:03

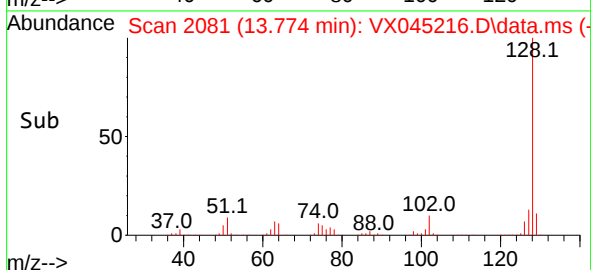
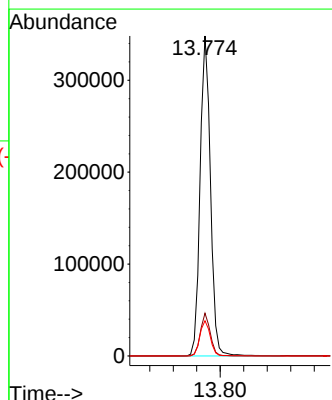
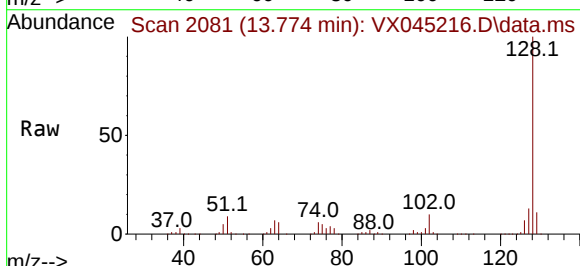
Tgt Ion:128 Resp: 424244

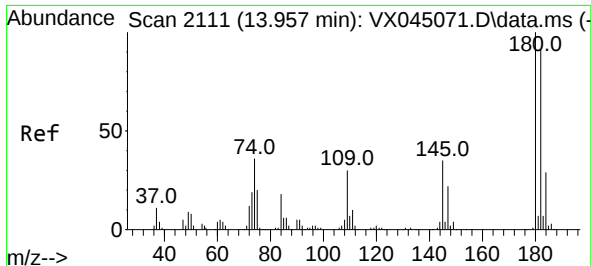
Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045216.D

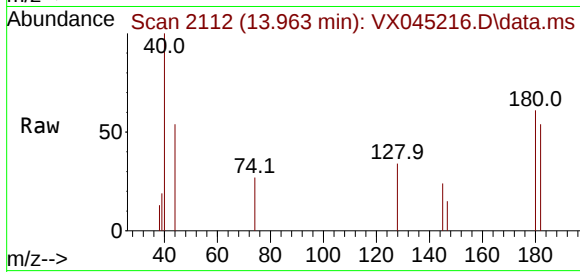
Acq: 11 Mar 2025 12:03

Instrument :

MSVOA\_X

ClientSampleId :

PT-VOA-WP



Tgt Ion:180 Resp: 317

Ion Ratio Lower Upper

180 100

182 100.6 47.5 142.6

145 40.4 17.0 50.9

