

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111921\  
 Data File : VW023638.D  
 Acq On : 19 Nov 2021 13:05  
 Operator : SY/MD  
 Sample : M4706-20  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 22 01:46:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Nov 22 01:44:25 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 108676   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 107167   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 48177    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 31906    | 4.686    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.800%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 26971    | 4.861    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 44502    | 3.492    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.800%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 39248    | 33.462   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 66.920%  |
| 24) Chloroform-d              | 4.349  | 84    | 63780    | 4.396    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 31312    | 4.799    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 32) Benzene-d6                | 5.050  | 84    | 117985   | 4.291    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 34730    | 4.291    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.800%  |
| 41) Toluene-d8                | 7.316  | 98    | 99749    | 3.871    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 12503    | 4.074    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 81.400%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 43682    | 38.682   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 77.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 24670    | 4.238    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 84.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 39489    | 4.923    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 98       | 0.009    | ug/L # | 41       |
| 3) Chloromethane              | 1.240  | 50    | 1980     | 0.220    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.304  | 62    | 344      | 0.038    | ug/L # | 1        |
| 6) Bromomethane               | 1.523  | 94    | 134      | 0.023    | ug/L   | 78       |
| 8) Chloroethane               | 1.571  | 64    | 77       | 0.015    | ug/L   | 84       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 347      | 0.026    | ug/L # | 78       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 650      | 0.095    | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.108  | 96    | 547      | 0.084    | ug/L # | 1        |
| 13) Acetone                   | 2.188  | 43    | 2676     | 3.734    | ug/L   | 69       |
| 14) Carbon disulfide          | 2.297  | 76    | 632      | 0.026    | ug/L # | 75       |
| 15) Methyl Acetate            | 2.420  | 43    | 92       | 0.045    | ug/L # | 47       |
| 16) Methylene chloride        | 2.506  | 84    | 23687    | 2.505    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 280      | 0.020    | ug/L # | 60       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96    | 82       | 0.010    | ug/L # | 36       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 267      | 0.020    | ug/L # | 49       |
| 21) 2-Butanone                | 3.989  | 43    | 90       | 0.078    | ug/L # | 51       |
| 22) cis-1,2-Dichloroethene    | 3.937  | 96    | 44       | 0.006    | ug/L # | 77       |
| 25) Chloroform                | 4.374  | 83    | 18472    | 1.288    | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 5.117  | 62    | 21       | 0.003    | ug/L # | 72       |

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 Sample : M4706-20  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 22 01:46:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Nov 22 01:44:25 2021  
 Response via : Initial Calibration

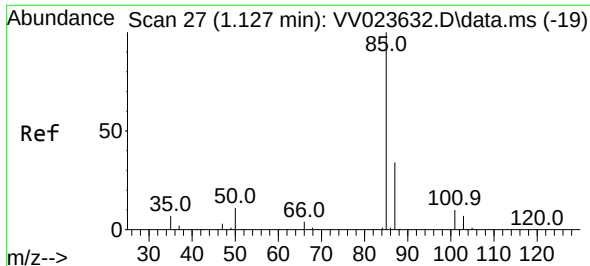
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) 1,1,1-Trichloroethane     | 4.612  | 97   | 122      | 0.009 | ug/L # | 38       |
| 30) Cyclohexane               | 4.667  | 56   | 105      | 0.009 | ug/L # | 15       |
| 31) Carbon tetrachloride      | 4.841  | 117  | 176      | 0.015 | ug/L   | 90       |
| 33) Benzene                   | 5.111  | 78   | 791      | 0.026 | ug/L   | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 211      | 0.026 | ug/L # | 56       |
| 35) Methylcyclohexane         | 6.069  | 83   | 8769     | 0.697 | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.185  | 63   | 221      | 0.032 | ug/L # | 83       |
| 38) Bromodichloromethane      | 6.516  | 83   | 1878     | 0.200 | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.040  | 75   | 173      | 0.017 | ug/L # | 49       |
| 40) 4-Methyl-2-pentanone      | 7.217  | 43   | 21       | 0.006 | ug/L # | 44       |
| 42) Toluene                   | 7.400  | 91   | 2567     | 0.080 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.667  | 75   | 75       | 0.009 | ug/L # | 43       |
| 47) Tetrachloroethene         | 7.979  | 164  | 184      | 0.027 | ug/L # | 72       |
| 48) 2-Hexanone                | 8.143  | 43   | 4719     | 2.077 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 163      | 0.026 | ug/L   | 87       |
| 51) Chlorobenzene             | 8.882  | 112  | 283      | 0.013 | ug/L # | 55       |
| 52) Ethylbenzene              | 9.017  | 91   | 656      | 0.019 | ug/L   | 97       |
| 53) m,p-xylene                | 9.146  | 106  | 406      | 0.031 | ug/L   | 80       |
| 54) o-xylene                  | 9.551  | 106  | 287      | 0.023 | ug/L   | 81       |
| 55) Styrene                   | 9.583  | 104  | 289      | 0.014 | ug/L # | 34       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 139      | 0.025 | ug/L # | 50       |
| 59) Bromoform                 | 9.747  | 173  | 43       | 0.015 | ug/L # | 36       |
| 60) Isopropylbenzene          | 9.937  | 105  | 598      | 0.022 | ug/L # | 86       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75   | 5267     | 1.646 | ug/L # | 63       |
| 62) 1,3,5-Trimethylbenzene    | 10.545 | 105  | 638      | 0.028 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 10.924 | 105  | 768      | 0.034 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.197 | 146  | 269      | 0.019 | ug/L # | 35       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 392      | 0.027 | ug/L # | 69       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 251      | 0.020 | ug/L # | 53       |
| 69) 1,3,5-Trichlorobenzene    | 12.654 | 180  | 260      | 0.024 | ug/L # | 43       |
| 70) 1,2,4-trichlorobenzene    | 13.268 | 180  | 127      | 0.014 | ug/L # | 69       |
| 71) Naphthalene               | 13.516 | 128  | 278      | 0.021 | ug/L # | 69       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 48       | 0.006 | ug/L # | 46       |

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

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**

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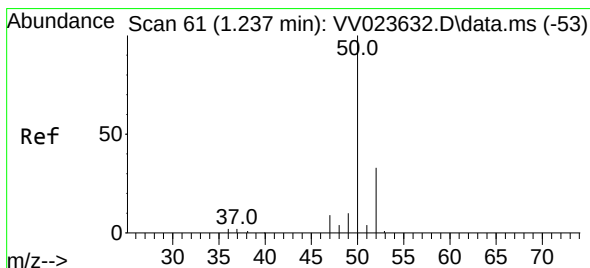
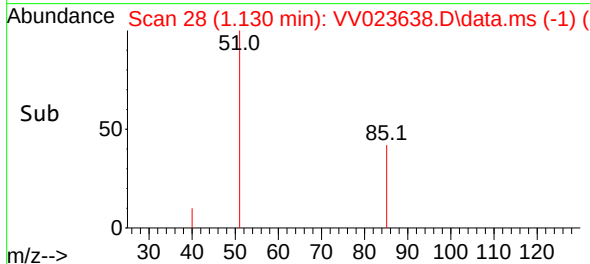
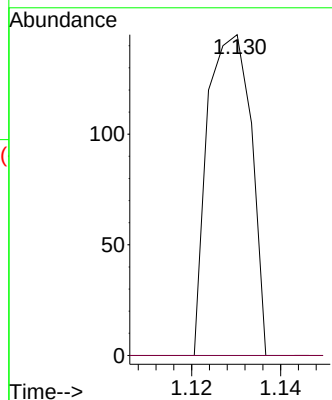
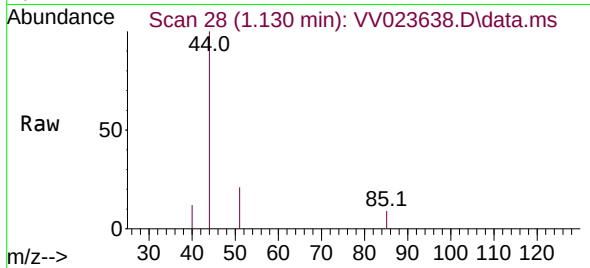




#2  
 Dichlorodifluoromethane  
 Concen: 0.009 ug/L  
 RT: 1.130 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

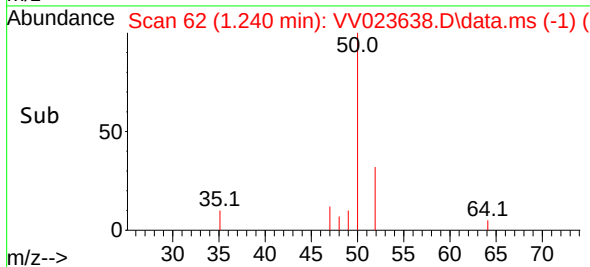
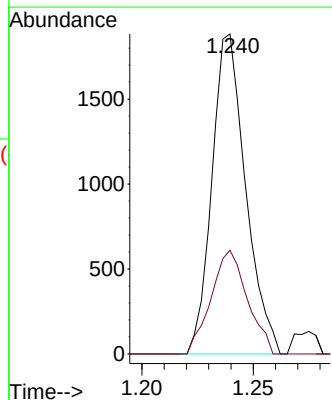
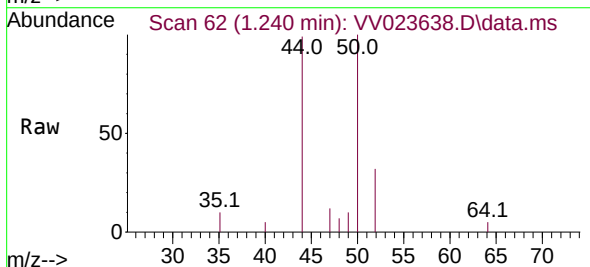
Instrument :  
 MSVOA\_V  
 ClientSampleId :

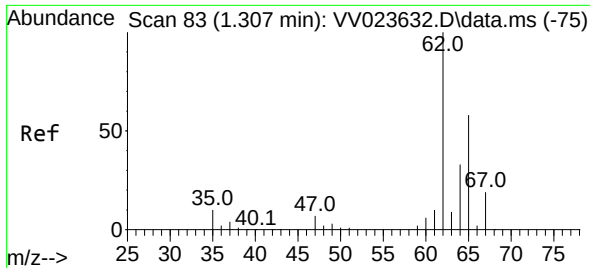
Tgt Ion: 85 Resp: 98  
 Ion Ratio Lower Upper  
 85 100  
 87 0.0 26.6 39.8#



#3  
 Chloromethane  
 Concen: 0.220 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

Tgt Ion: 50 Resp: 1980  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 24.3 45.1

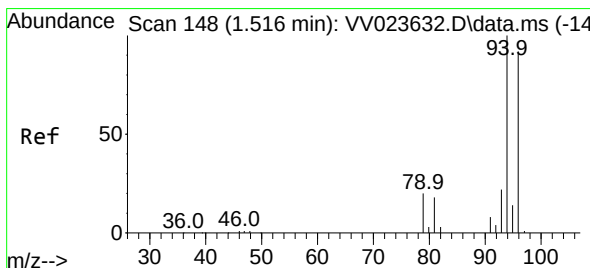
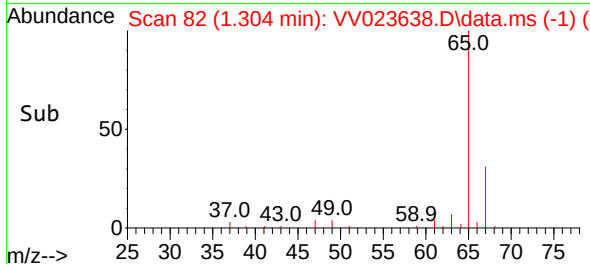
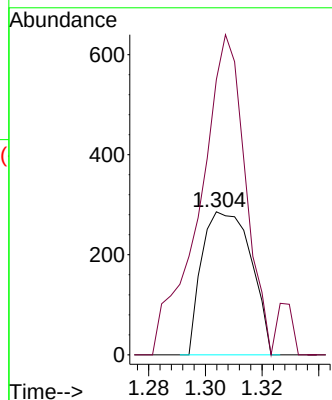
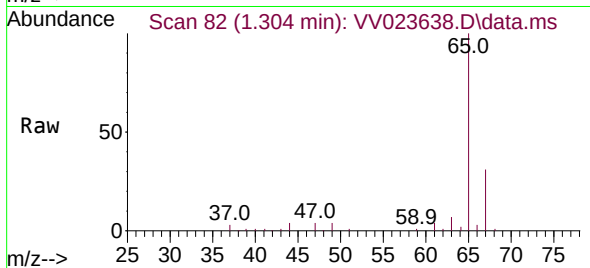




#5  
 Vinyl chloride  
 Concen: 0.038 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

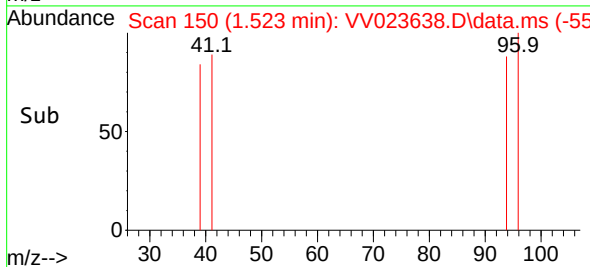
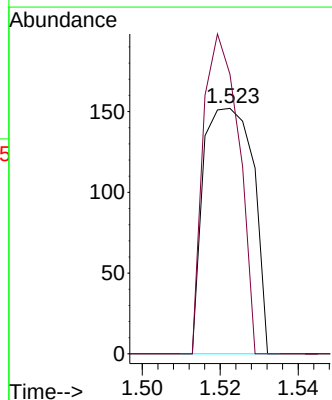
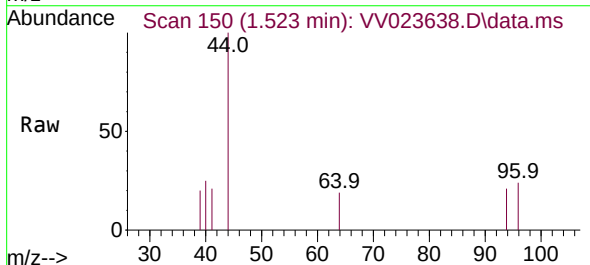
Instrument :  
 MSVOA\_V  
 ClientSampleId :

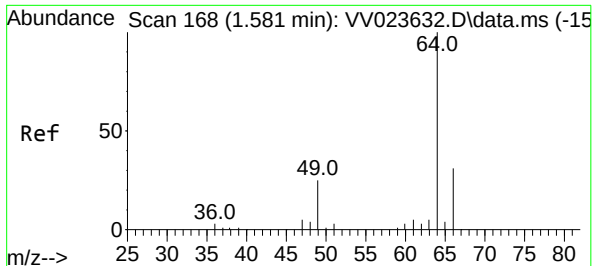
Tgt Ion: 62 Resp: 344  
 Ion Ratio Lower Upper  
 62 100  
 64 192.3 23.1 42.9#



#6  
 Bromomethane  
 Concen: 0.023 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.006 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

Tgt Ion: 94 Resp: 134  
 Ion Ratio Lower Upper  
 94 100  
 96 113.8 65.0 120.8

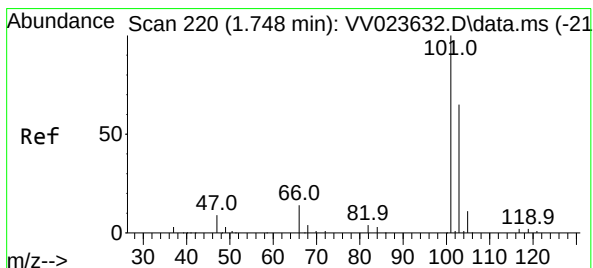
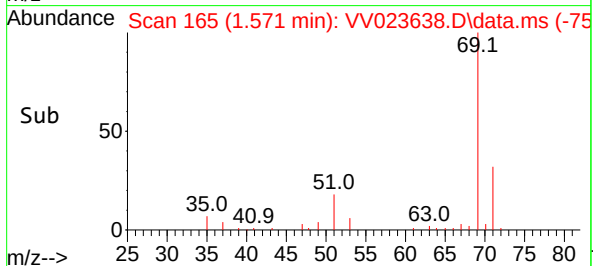
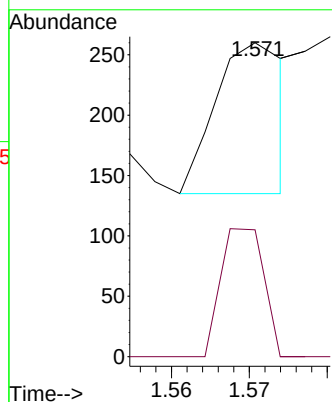
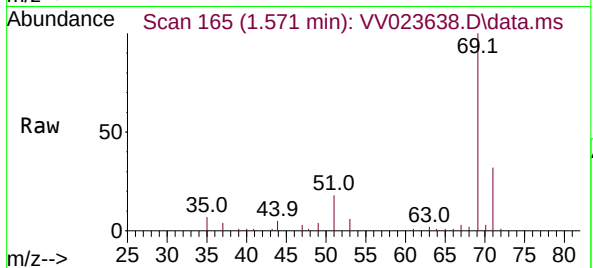




#8  
Chloroethane  
Concen: 0.015 ug/L  
RT: 1.571 min Scan# 165  
Delta R.T. -0.010 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

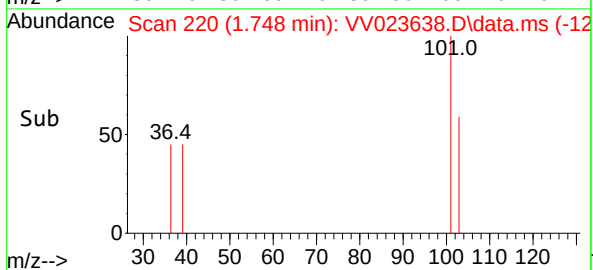
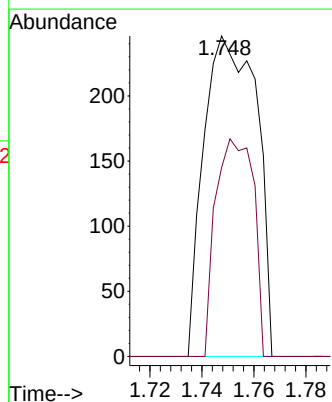
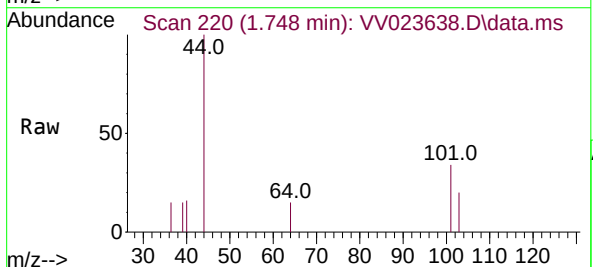
Instrument :  
MSVOA\_V  
ClientSampleId :

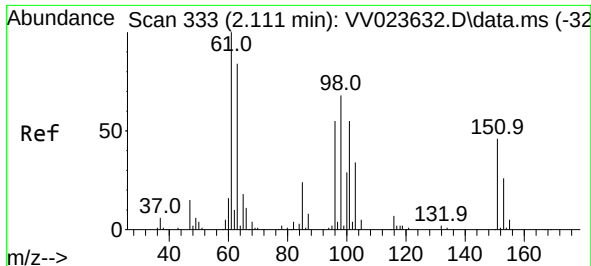
Tgt Ion: 64 Resp: 77  
Ion Ratio Lower Upper  
64 100  
66 40.4 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 0.026 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion:101 Resp: 347  
Ion Ratio Lower Upper  
101 100  
103 48.7 52.6 79.0#

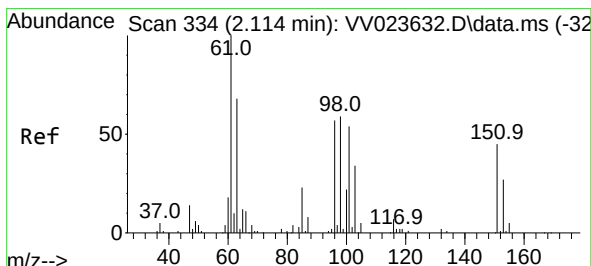
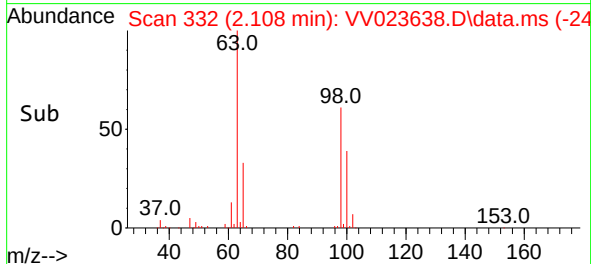
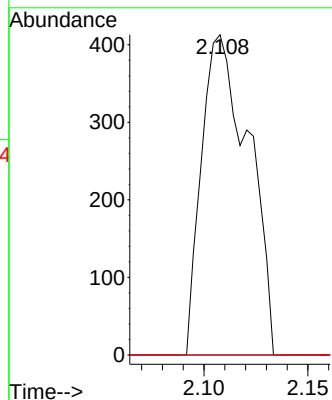
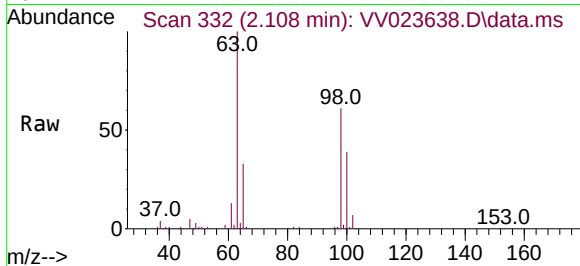




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.095 ug/L  
RT: 2.108 min Scan# 331  
Delta R.T. -0.003 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

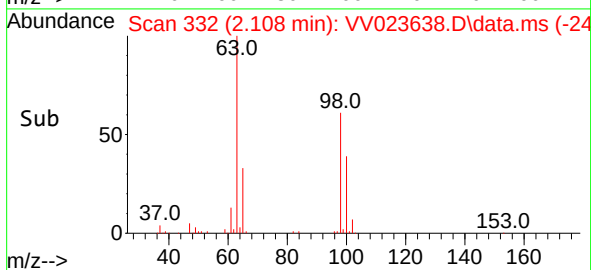
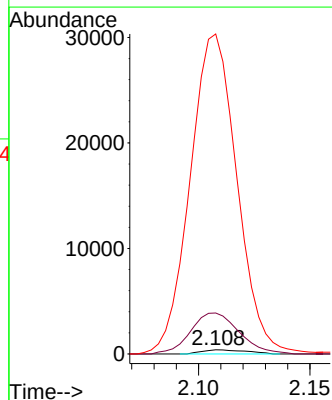
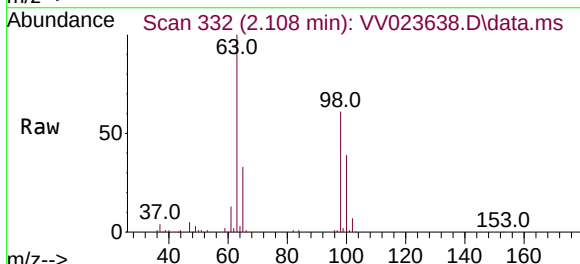
Instrument :  
MSVOA\_V  
ClientSampleId :

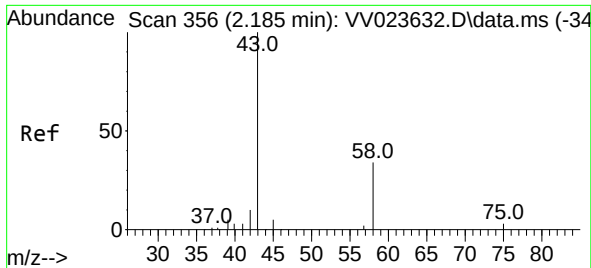
Tgt Ion:101 Resp: 650  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.3 52.9#  
151 0.0 62.2 93.2#



#12  
1,1-Dichloroethene  
Concen: 0.084 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.007 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion: 96 Resp: 547  
Ion Ratio Lower Upper  
96 100  
61 992.3 121.5 225.7#  
63 7756.5 99.6 185.0#





#13

Acetone

Concen: 3.734 ug/L

RT: 2.188 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

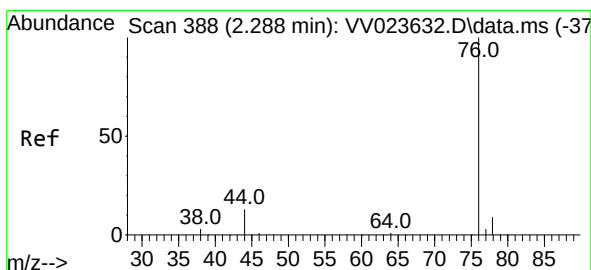
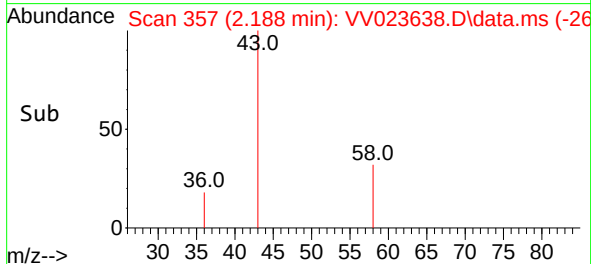
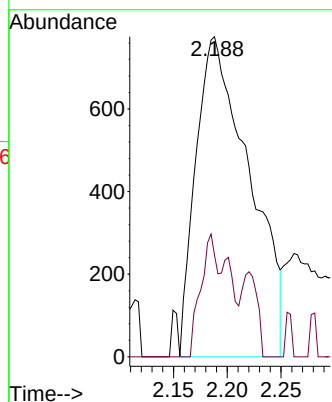
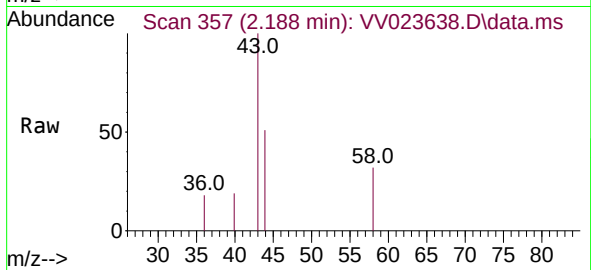
ClientSampleId :

Tgt Ion: 43 Resp: 2676

Ion Ratio Lower Upper

43 100

58 11.7 0.0 55.4



#14

Carbon disulfide

Concen: 0.026 ug/L

RT: 2.297 min Scan# 391

Delta R.T. 0.009 min

Lab File: VV023638.D

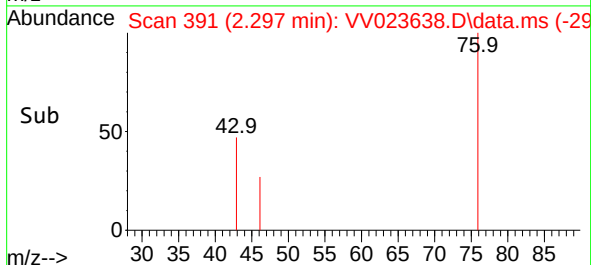
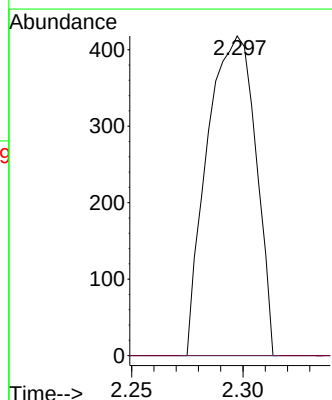
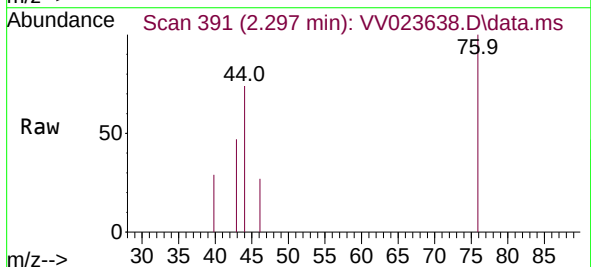
Acq: 19 Nov 2021 13:05

Tgt Ion: 76 Resp: 632

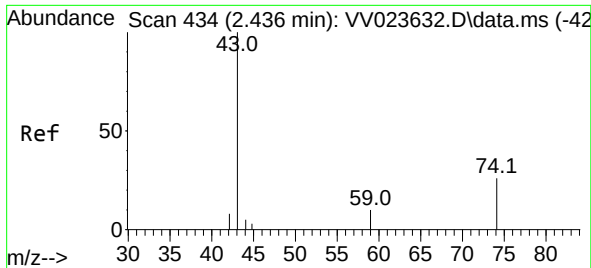
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



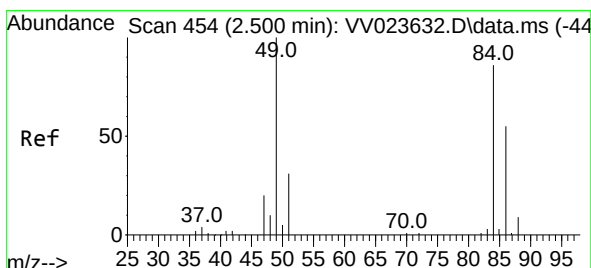
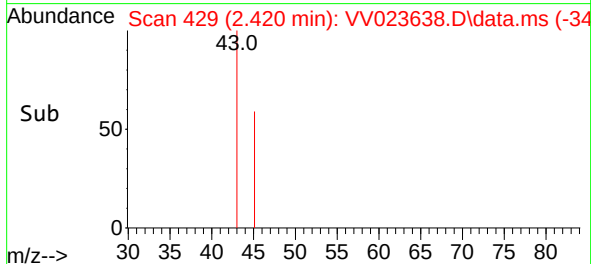
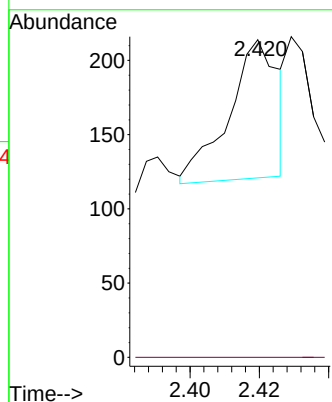
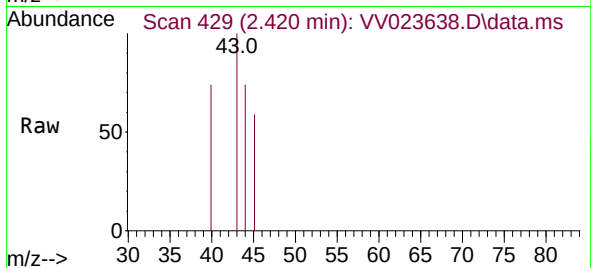




#15  
Methyl Acetate  
Concen: 0.045 ug/L  
RT: 2.420 min Scan# 431  
Delta R.T. -0.016 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

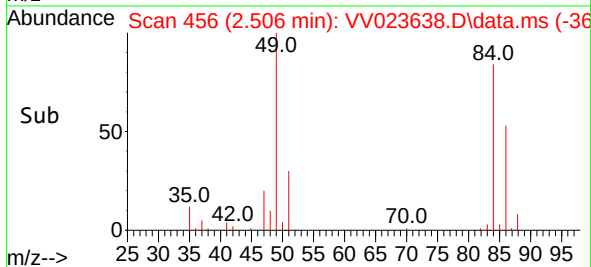
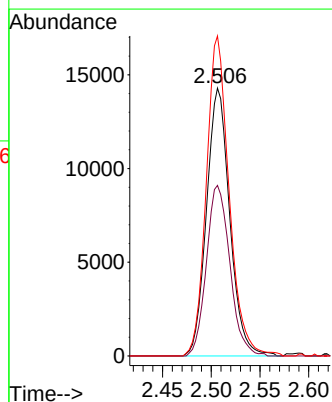
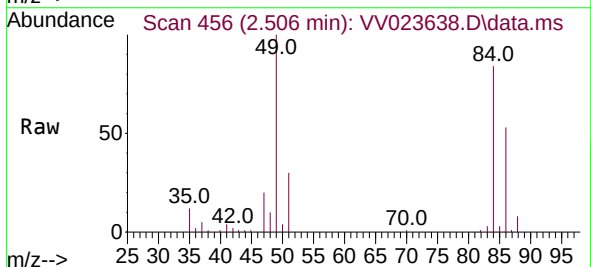
Instrument :  
MSVOA\_V  
ClientSampleId :

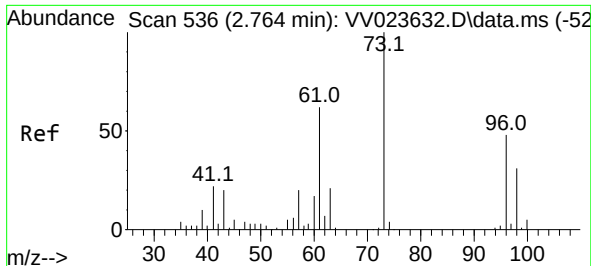
Tgt Ion: 43 Resp: 92  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.2 33.2#



#16  
Methylene chloride  
Concen: 2.505 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. 0.006 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

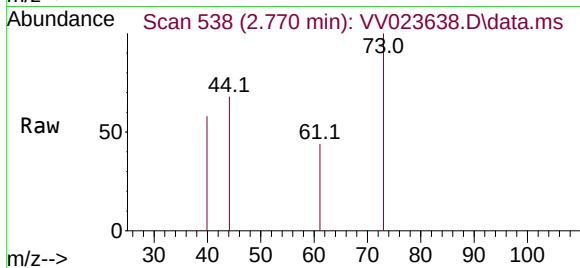
Tgt Ion: 84 Resp: 23687  
Ion Ratio Lower Upper  
84 100  
86 63.7 42.3 78.5  
49 119.5 79.7 148.1



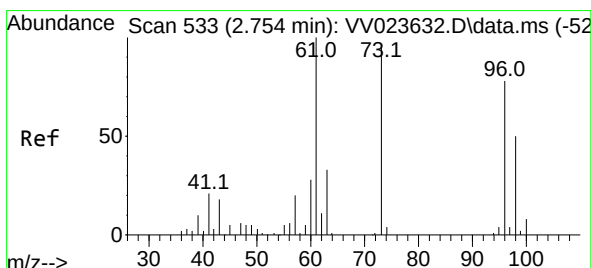
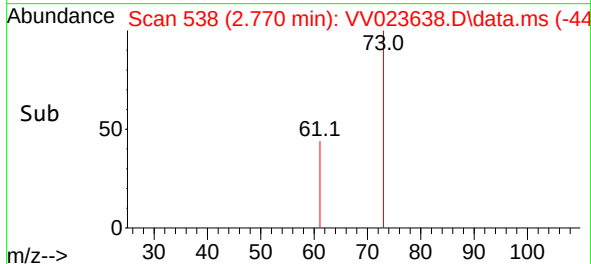
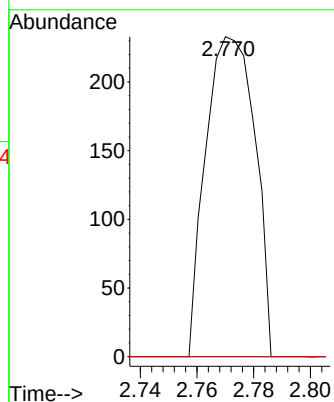


#17  
Methyl tert-butyl Ether  
Concen: 0.020 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Instrument :  
MSVOA\_V  
ClientSampleId :

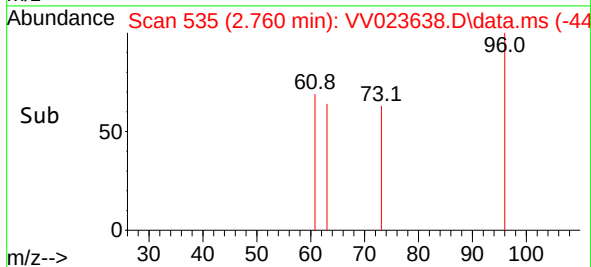
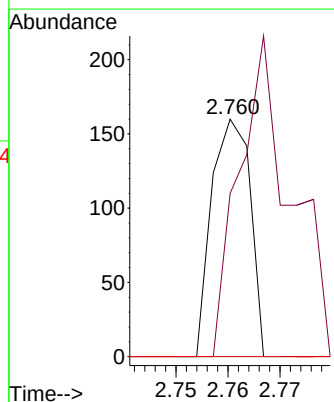
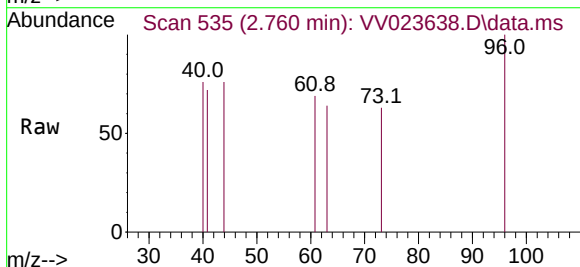


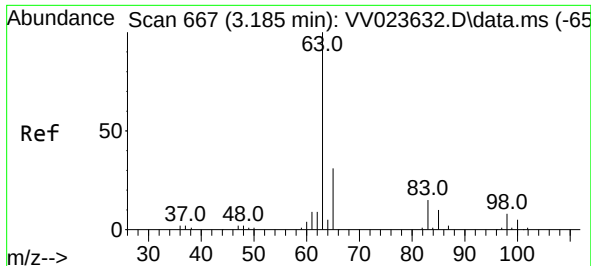
Tgt Ion: 73 Resp: 280  
Ion Ratio Lower Upper  
73 100  
43 38.6 17.4 26.0#  
57 0.0 16.5 24.7#



#18  
trans-1,2-Dichloroethene  
Concen: 0.010 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.006 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion: 96 Resp: 82  
Ion Ratio Lower Upper  
96 100  
61 68.7 93.2 173.2#  
98 0.0 47.0 87.2#





#19

1,1-Dichloroethane

Concen: 0.020 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

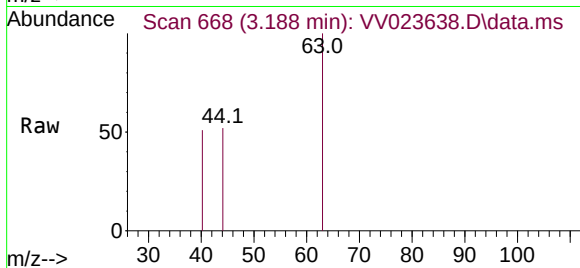
Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

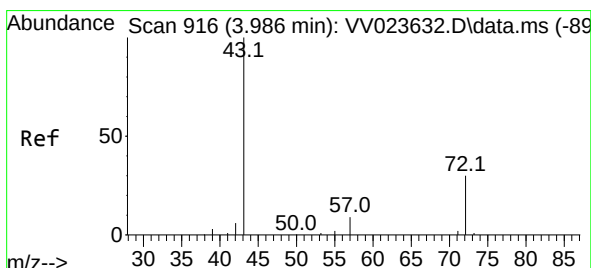
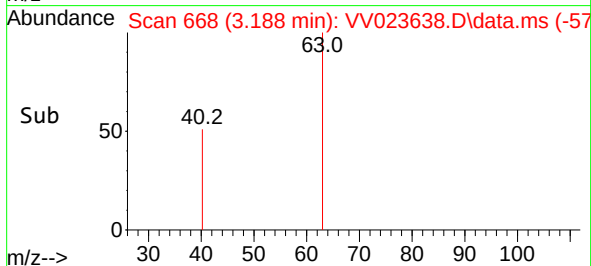
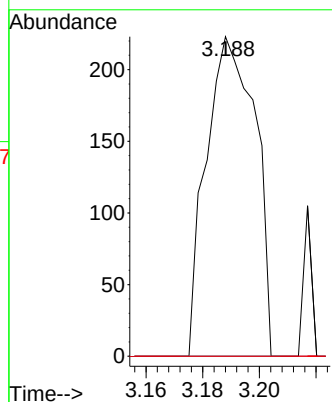
Instrument :

MSVOA\_V

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 267   |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 0.0   | 22.6  | 42.0# |
| 83       | 0.0   | 11.1  | 20.7# |



#21

2-Butanone

Concen: 0.078 ug/L

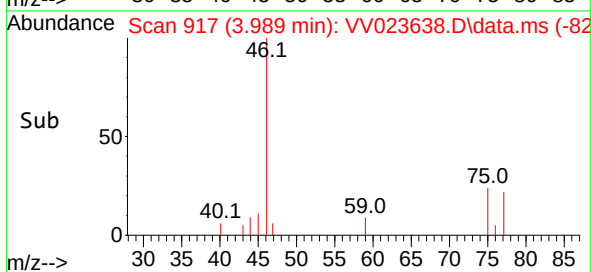
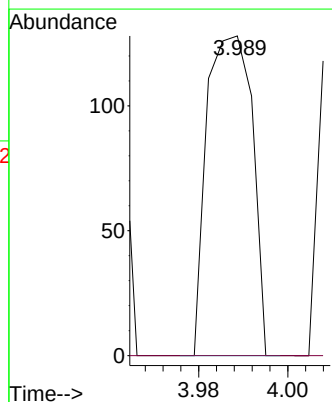
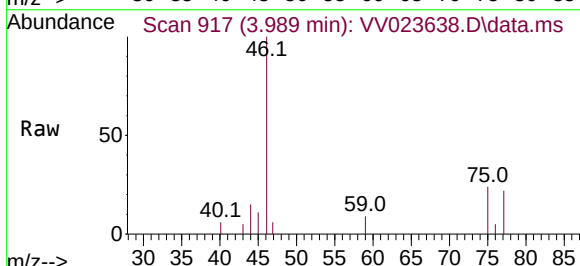
RT: 3.989 min Scan# 917

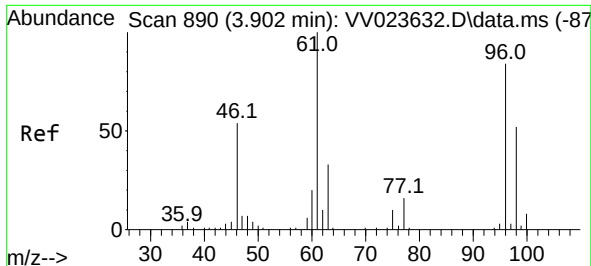
Delta R.T. 0.003 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 90    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 11.9  | 35.9# |





#22

cis-1,2-Dichloroethene

Concen: 0.006 ug/L

RT: 3.937 min Scan# 90

Delta R.T. 0.035 min

Lab File: VV023638.D

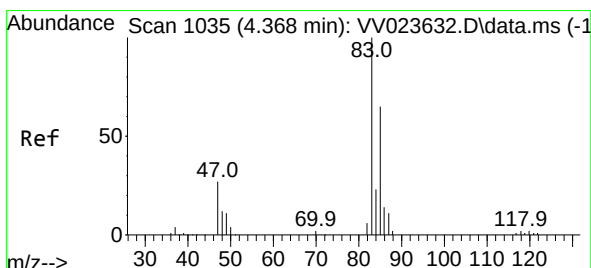
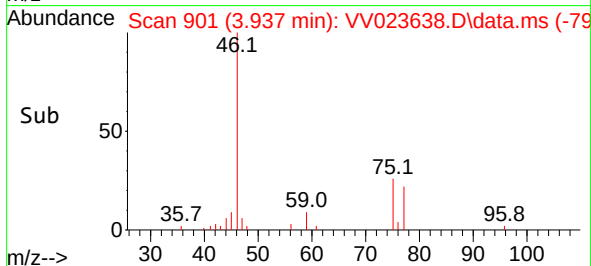
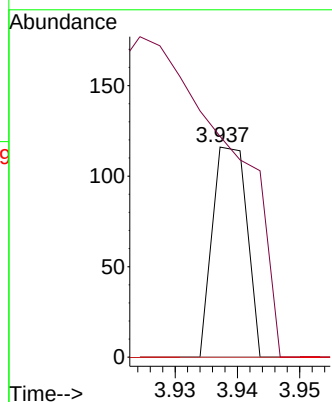
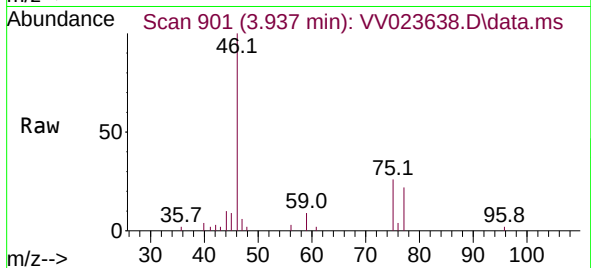
Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 96 | Resp: | 44         |
| Ion Ratio   | Lower | Upper      |
| 96          | 100   |            |
| 61          | 105.2 | 92.3 171.3 |
| 68          | 0.0   | 0.4 0.8#   |



#25

Chloroform

Concen: 1.288 ug/L

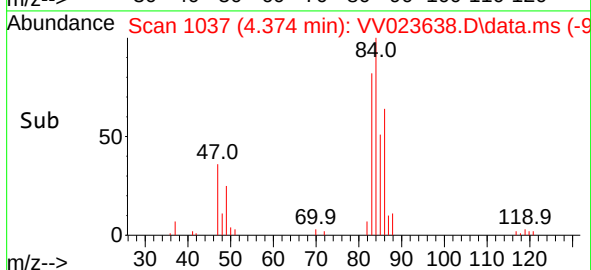
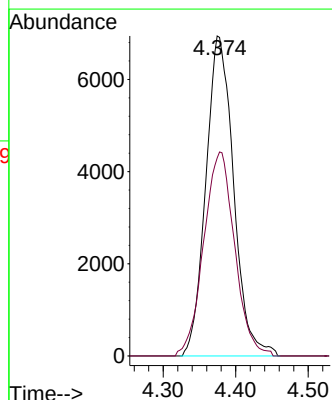
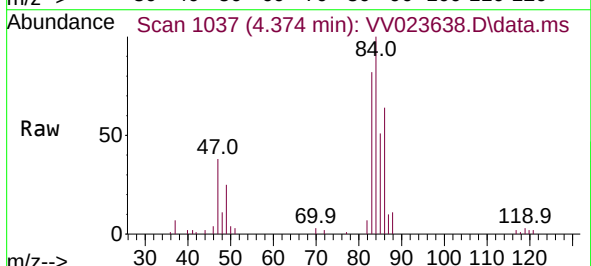
RT: 4.374 min Scan# 1037

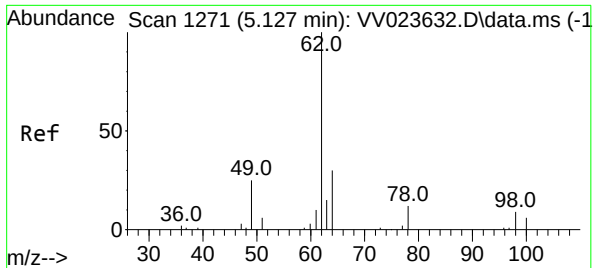
Delta R.T. 0.006 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 18472     |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 61.8  | 46.8 86.8 |

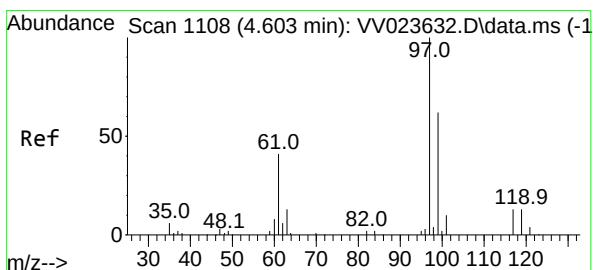
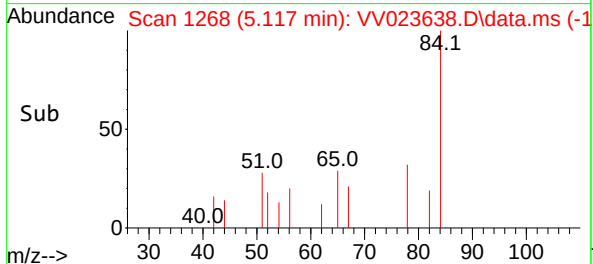
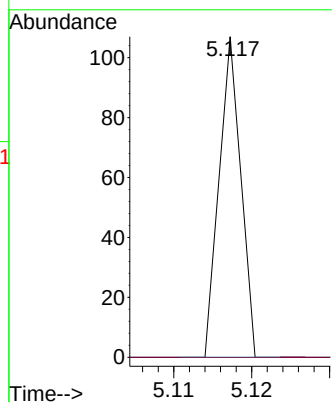
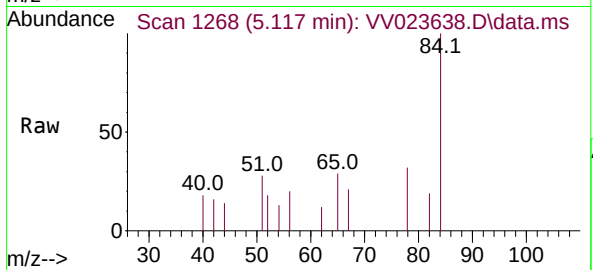




#27  
1,2-Dichloroethane  
Concen: 0.003 ug/L  
RT: 5.117 min Scan# 1111  
Delta R.T. -0.010 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

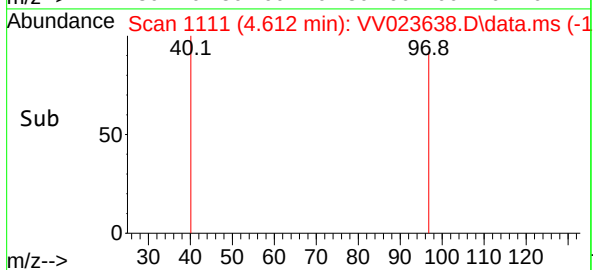
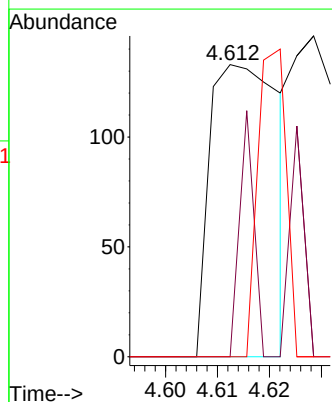
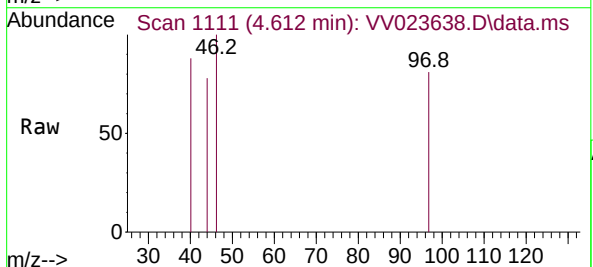
Instrument :  
MSVOA\_V  
ClientSampleId :

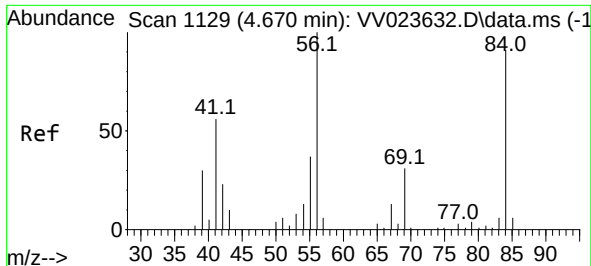
Tgt Ion: 62 Resp: 21  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.2 12.4#



#29  
1,1,1-Trichloroethane  
Concen: 0.009 ug/L  
RT: 4.612 min Scan# 1111  
Delta R.T. 0.009 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

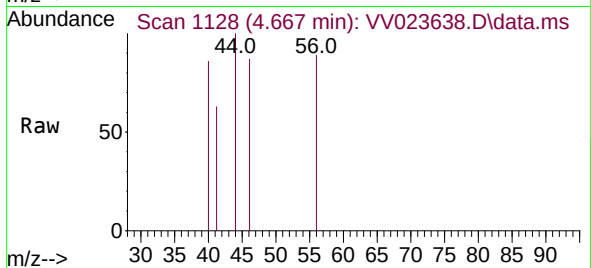
Tgt Ion: 97 Resp: 122  
Ion Ratio Lower Upper  
97 100  
99 18.0 51.0 76.4#  
61 0.0 34.1 51.1#



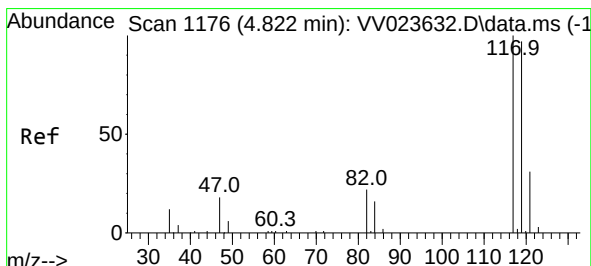
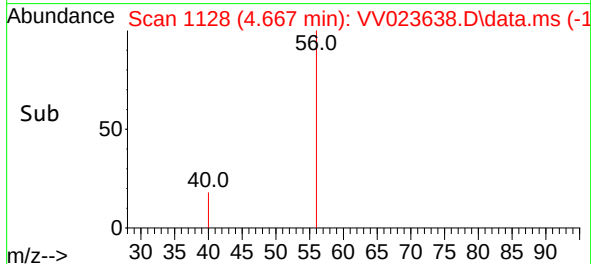
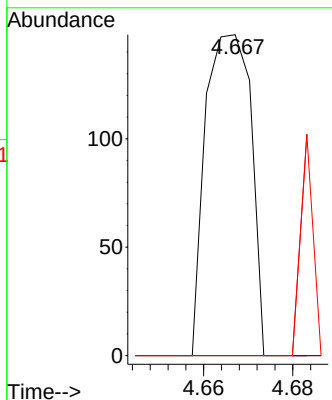


#30  
Cyclohexane  
Concen: 0.009 ug/L  
RT: 4.667 min Scan# 1128  
Delta R.T. -0.003 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Instrument :  
MSVOA\_V  
ClientSampleId :

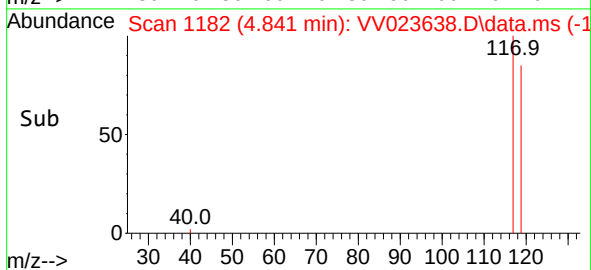
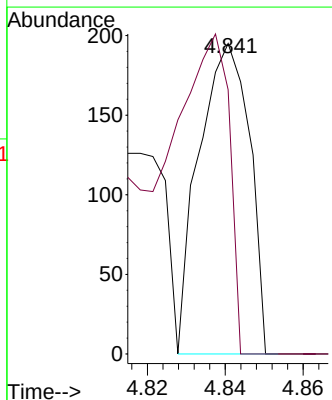
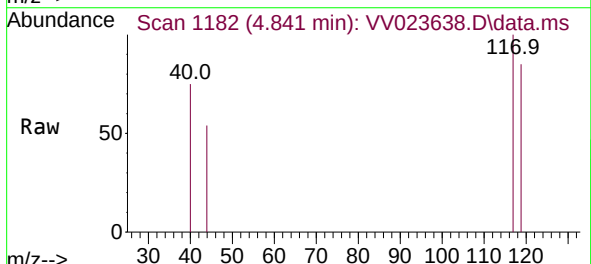


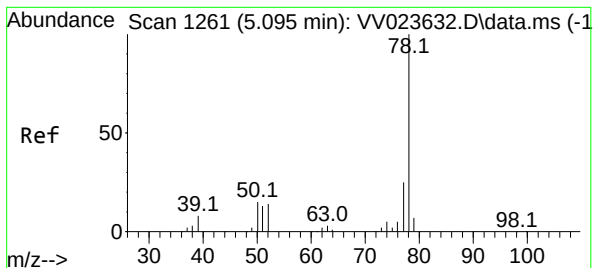
Tgt Ion: 56 Resp: 105  
Ion Ratio Lower Upper  
56 100  
69 0.0 23.5 35.3#  
84 0.0 71.6 107.4#



#31  
Carbon tetrachloride  
Concen: 0.015 ug/L  
RT: 4.841 min Scan# 1182  
Delta R.T. 0.019 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion: 117 Resp: 176  
Ion Ratio Lower Upper  
117 100  
119 108.0 78.8 118.2





#33

Benzene

Concen: 0.026 ug/L

RT: 5.111 min Scan# 1517

Delta R.T. 0.016 min

Lab File: VV023638.D

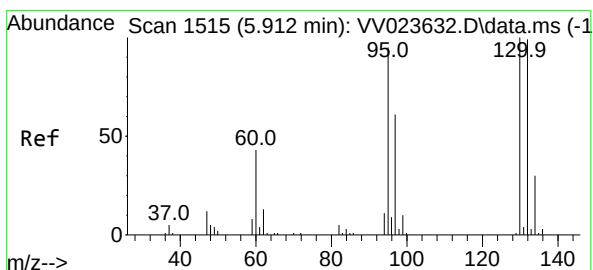
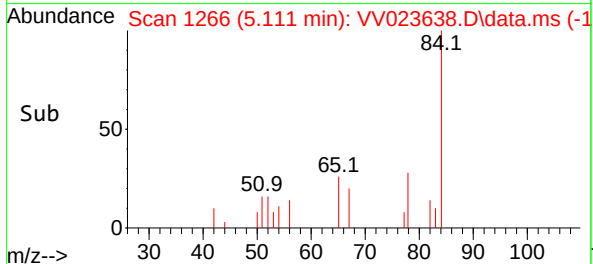
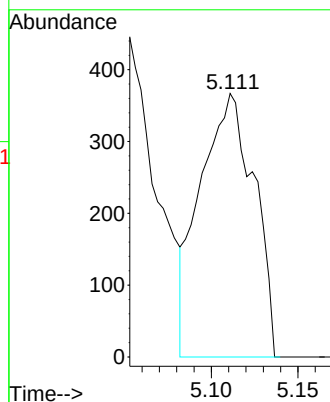
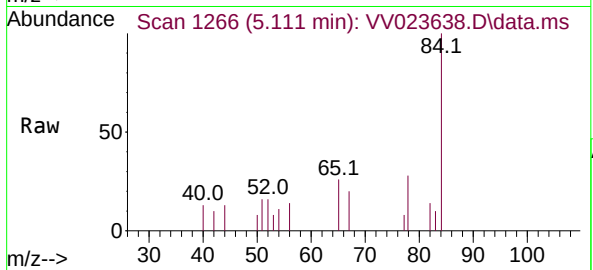
Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 78 Resp: 791



#34

Trichloroethene

Concen: 0.026 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

Tgt Ion: 95 Resp: 211

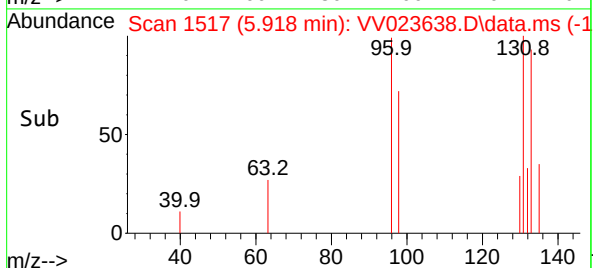
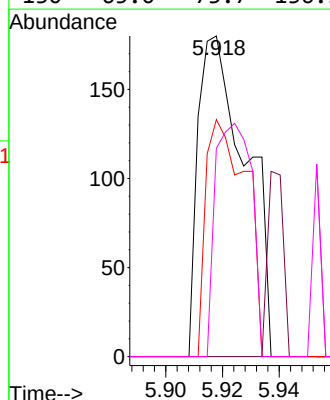
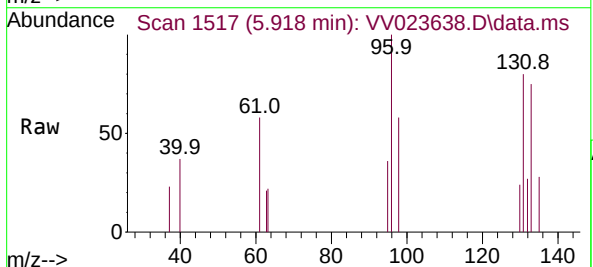
Ion Ratio Lower Upper

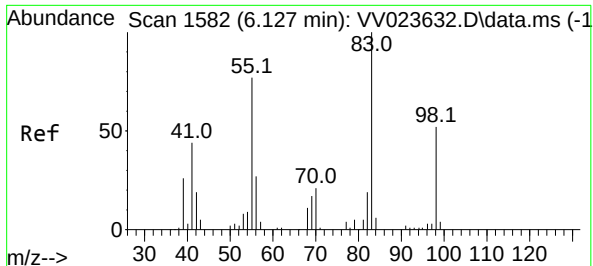
95 100

97 0.0 45.0 83.6#

132 73.9 69.7 129.4

130 65.0 73.7 136.9#





#35

Methylcyclohexane

Concen: 0.697 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV023638.D

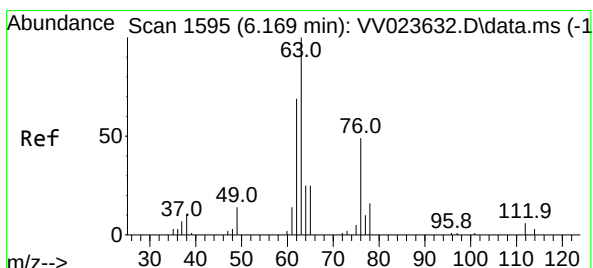
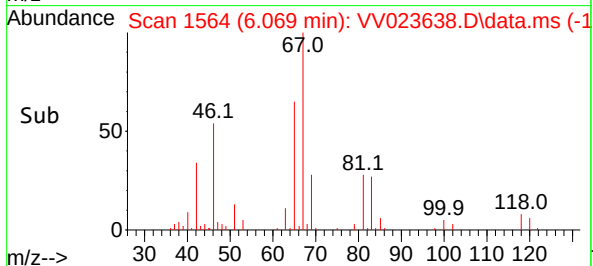
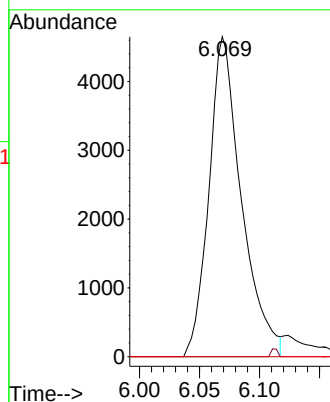
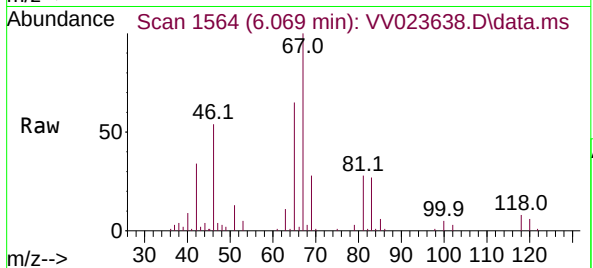
Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 83 | Resp: | 8769       |
| Ion Ratio   | Lower | Upper      |
| 83          | 100   |            |
| 55          | 0.5   | 62.8 94.2# |
| 98          | 2.3   | 37.9 56.9# |



#37

1,2-Dichloropropane

Concen: 0.032 ug/L

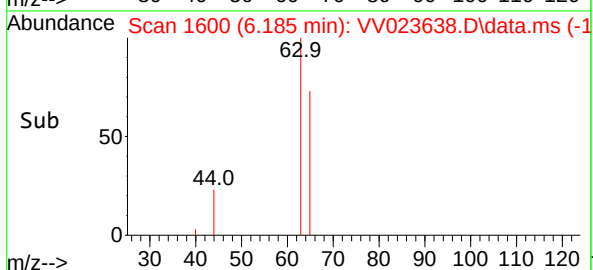
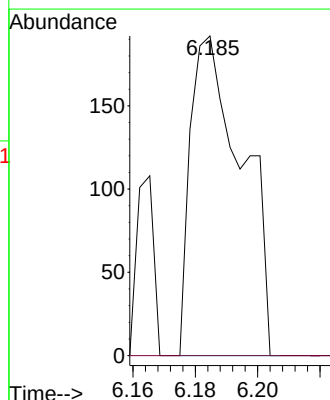
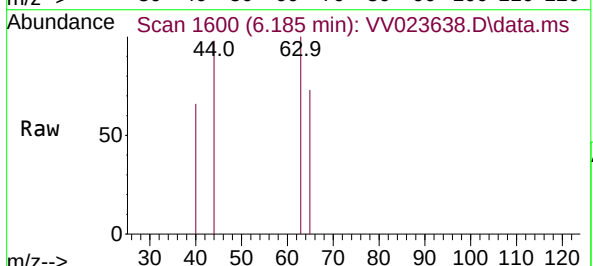
RT: 6.185 min Scan# 1600

Delta R.T. 0.016 min

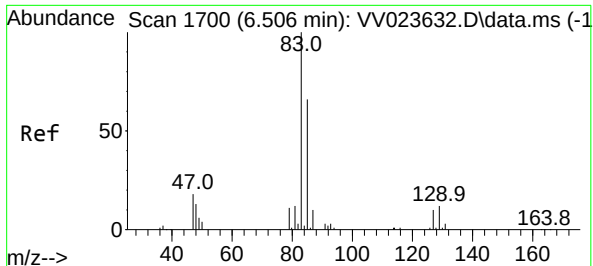
Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

|             |       |          |
|-------------|-------|----------|
| Tgt Ion: 63 | Resp: | 221      |
| Ion Ratio   | Lower | Upper    |
| 63          | 100   |          |
| 112         | 0.0   | 4.6 6.8# |







#38

Bromodichloromethane

Concen: 0.200 ug/L

RT: 6.516 min Scan# 1

Delta R.T. 0.009 min

Lab File: VV023638.D

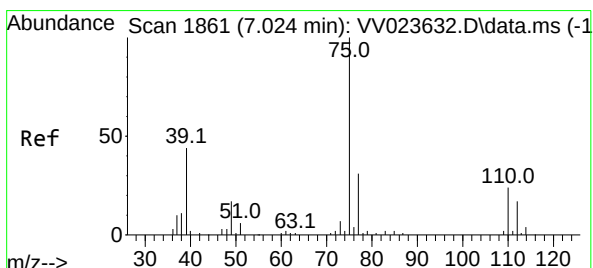
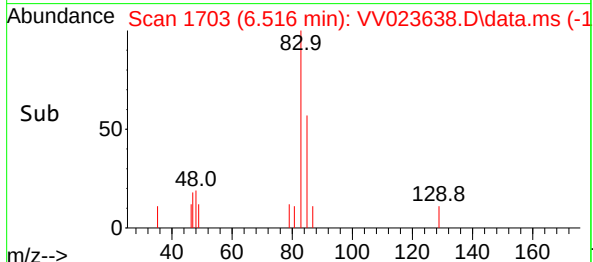
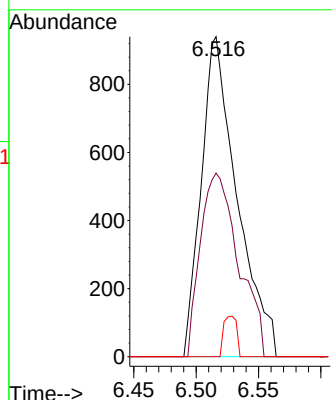
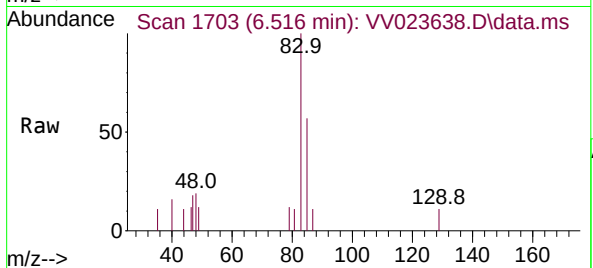
Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 1878      |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 57.3  | 46.1 85.7 |
| 127         | 0.0   | 7.2 10.8# |



#39

cis-1,3-Dichloropropene

Concen: 0.017 ug/L

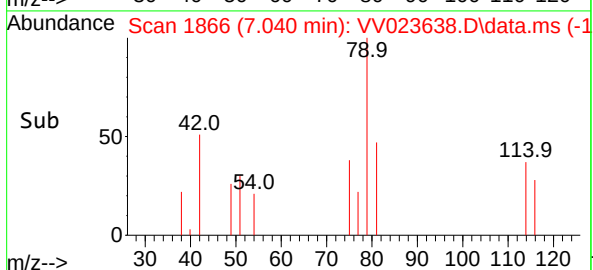
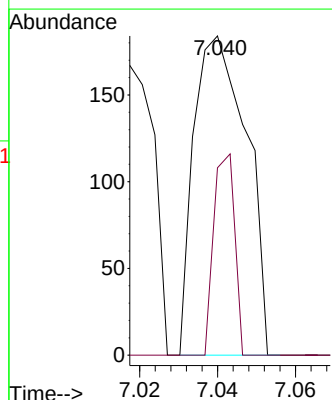
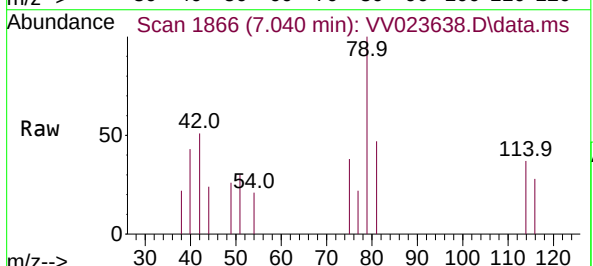
RT: 7.040 min Scan# 1866

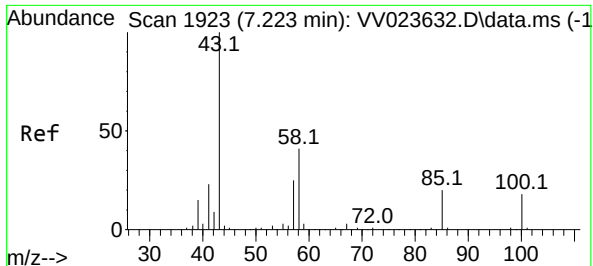
Delta R.T. 0.016 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 173        |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 58.7  | 21.6 40.2# |





#40

4-Methyl-2-pentanone

Concen: 0.006 ug/L

RT: 7.217 min Scan# 19

Delta R.T. -0.007 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :

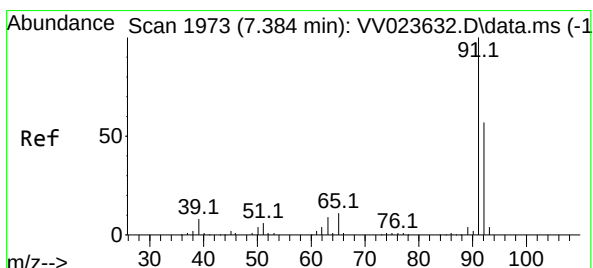
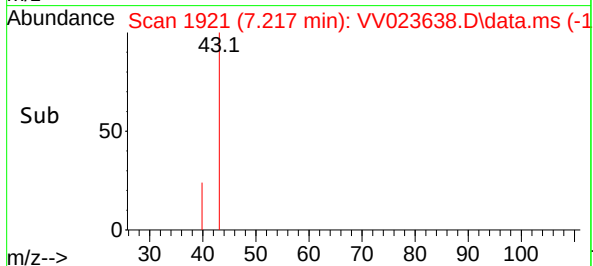
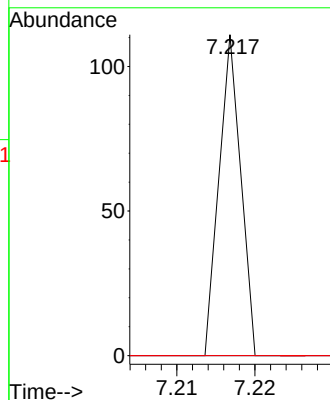
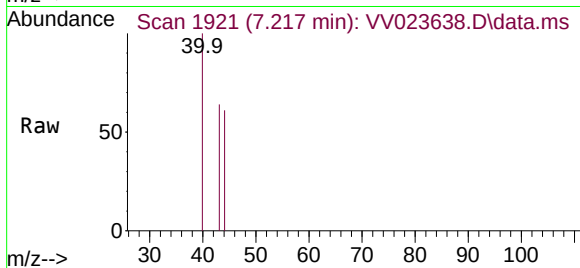
Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#

100 0.0 12.6 19.0#



#42

Toluene

Concen: 0.080 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.016 min

Lab File: VV023638.D

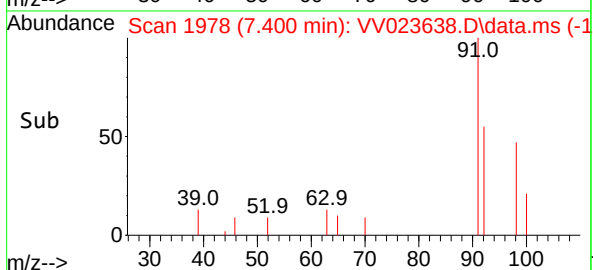
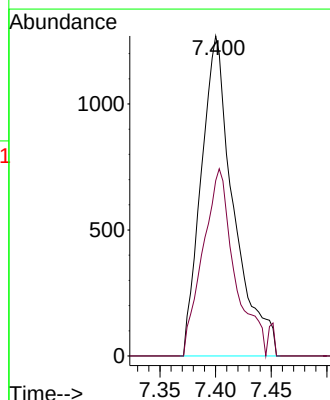
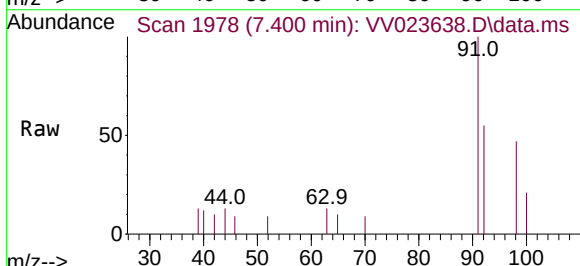
Acq: 19 Nov 2021 13:05

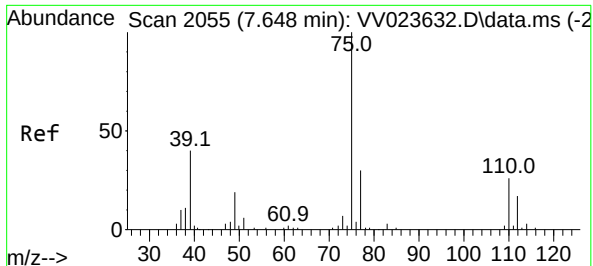
Tgt Ion: 91 Resp: 2567

Ion Ratio Lower Upper

91 100

92 54.8 39.3 72.9

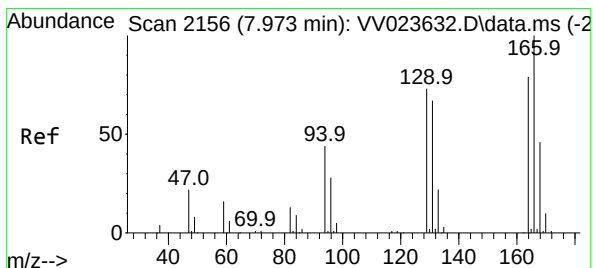
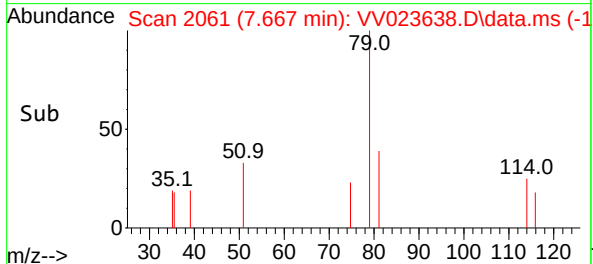
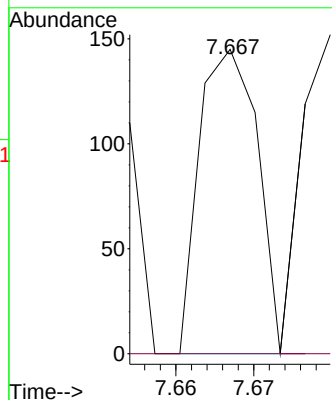
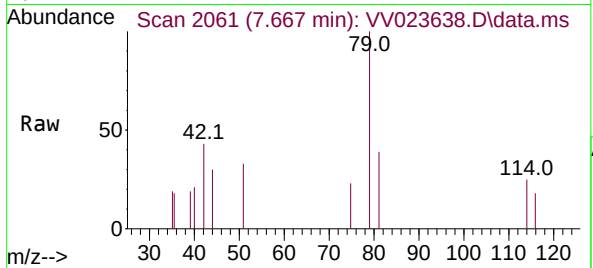




#44  
trans-1,3-Dichloropropene  
Concen: 0.009 ug/L  
RT: 7.667 min Scan# 2055  
Delta R.T. 0.019 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

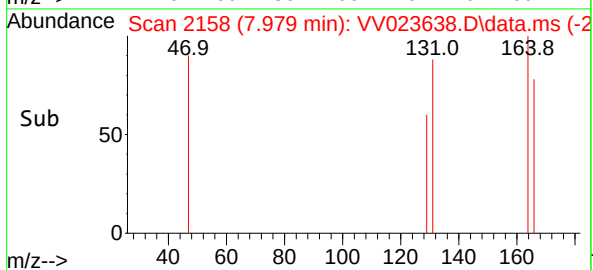
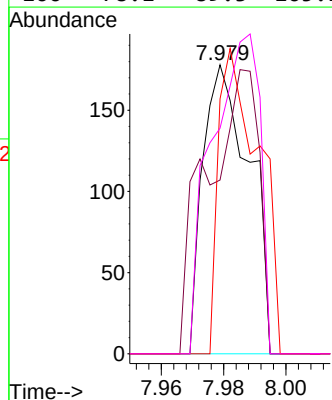
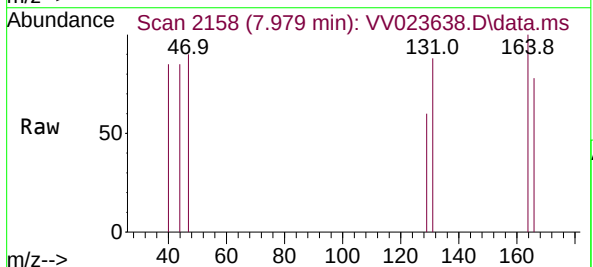
Instrument :  
MSVOA\_V  
ClientSampleId :

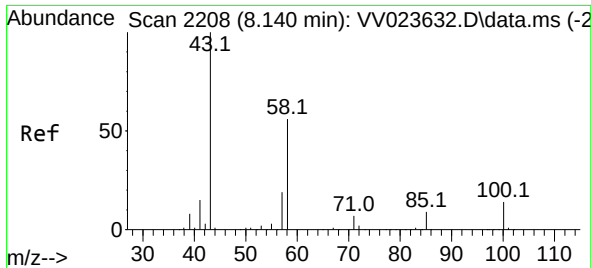
Tgt Ion: 75 Resp: 75  
Ion Ratio Lower Upper  
75 100  
77 0.0 22.5 41.7#



#47  
Tetrachloroethene  
Concen: 0.027 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.006 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion: 164 Resp: 184  
Ion Ratio Lower Upper  
164 100  
129 60.1 64.0 119.0#  
131 88.2 63.4 117.8  
166 78.1 89.3 165.9#

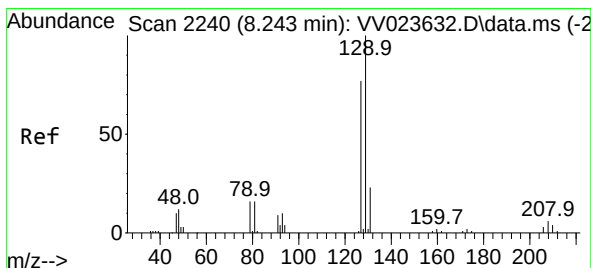
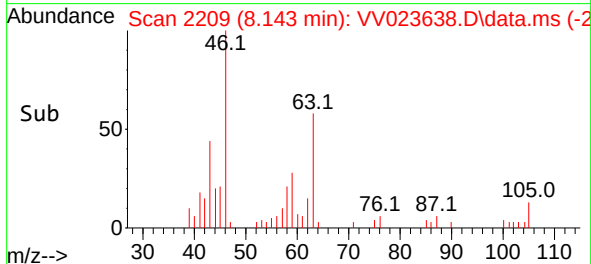
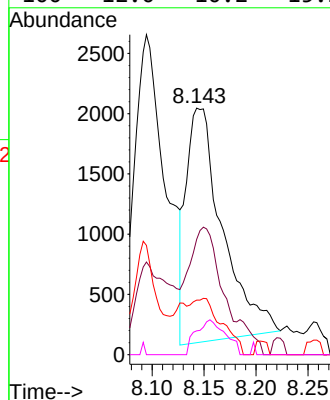
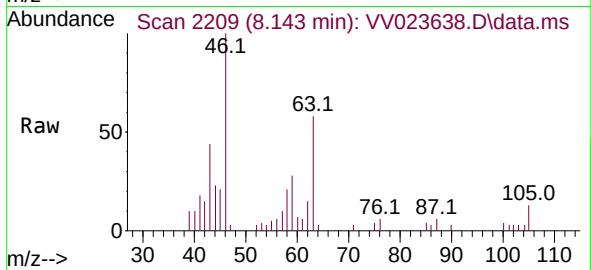




#48  
2-Hexanone  
Concen: 2.077 ug/L  
RT: 8.143 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

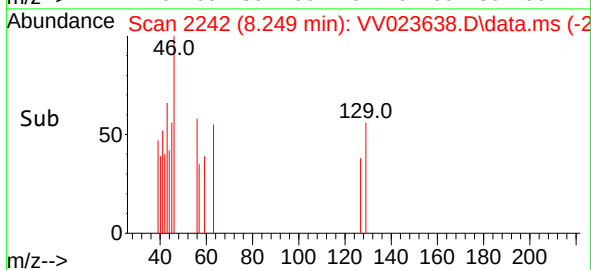
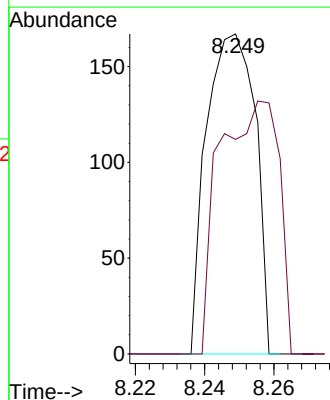
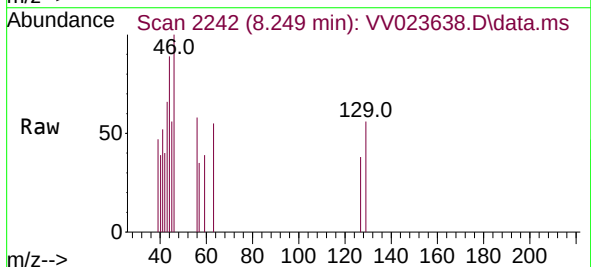
Instrument :  
MSVOA\_V  
ClientSampleId :

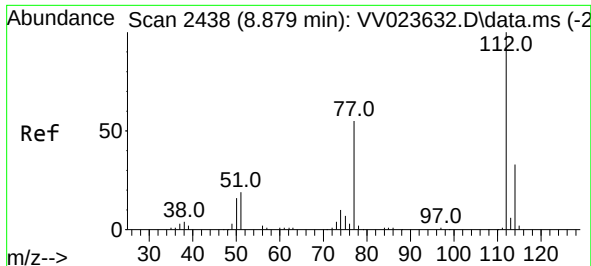
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 4719  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 54.6     | 43.7 65.5   |
| 57 19.0     | 14.1 21.1   |
| 100 12.0    | 10.2 15.2   |



#49  
Dibromochloromethane  
Concen: 0.026 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.006 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 163   |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 67.1  | 54.7  | 101.7 |





#51

Chlorobenzene

Concen: 0.013 ug/L

RT: 8.882 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV023638.D

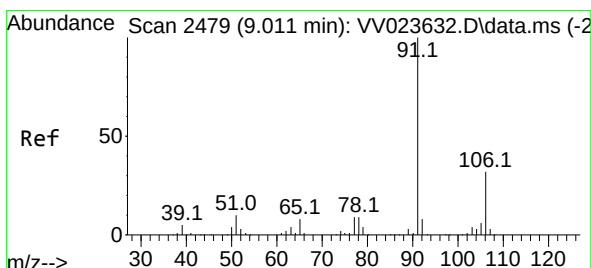
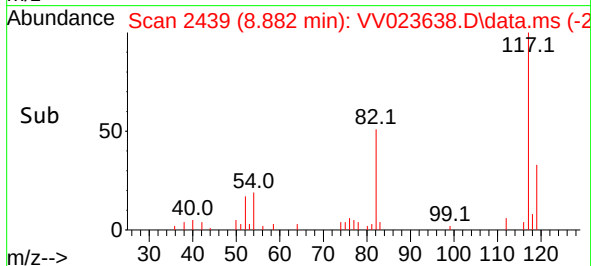
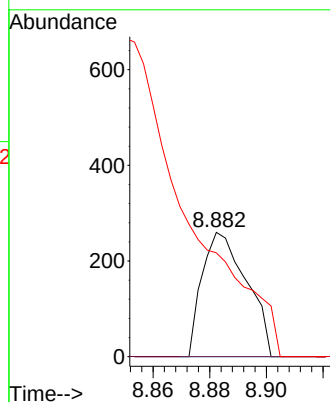
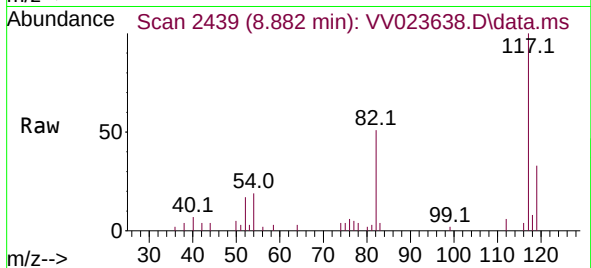
Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 283   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 114       | 0.0   | 22.0  | 40.8# |
| 77        | 83.5  | 44.4  | 66.6# |



#52

Ethylbenzene

Concen: 0.019 ug/L

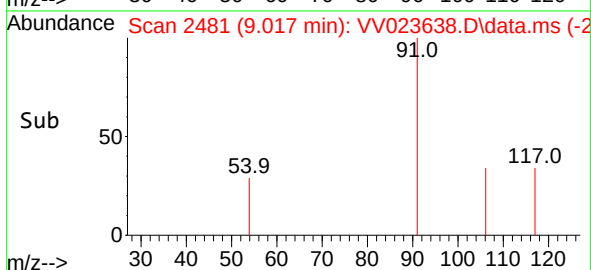
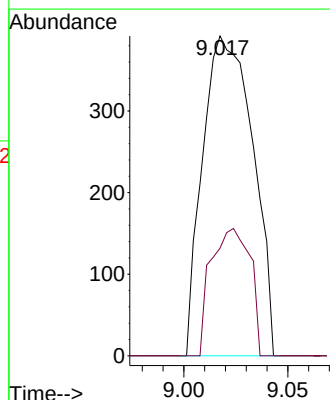
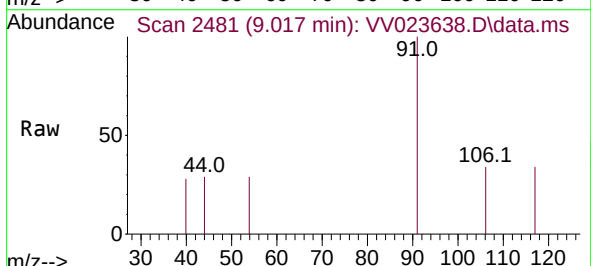
RT: 9.017 min Scan# 2481

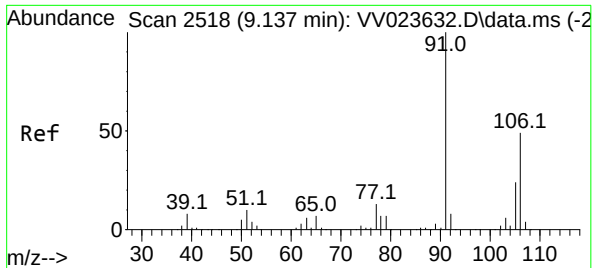
Delta R.T. 0.006 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

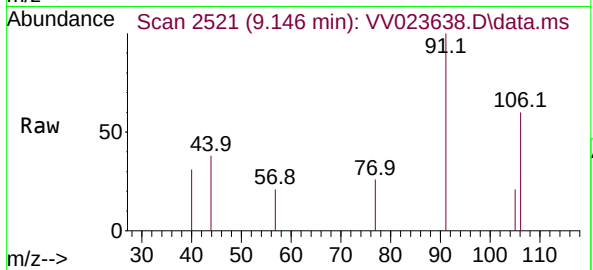
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 91    | Resp: | 656  |
| Ion Ratio | Lower | Upper |      |
| 91        | 100   |       |      |
| 106       | 33.7  | 22.5  | 41.9 |



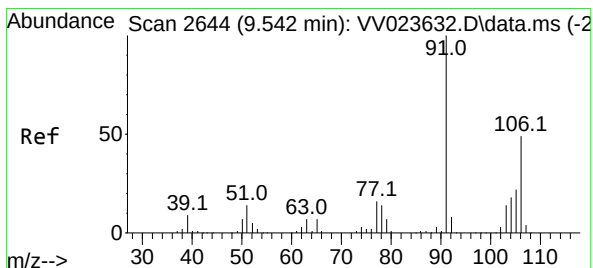
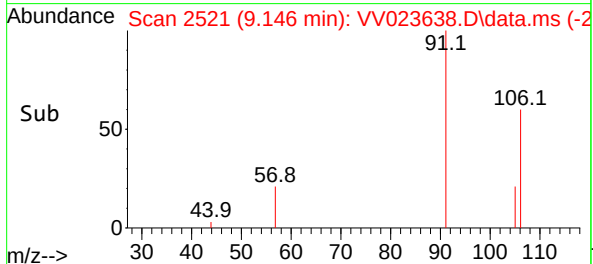
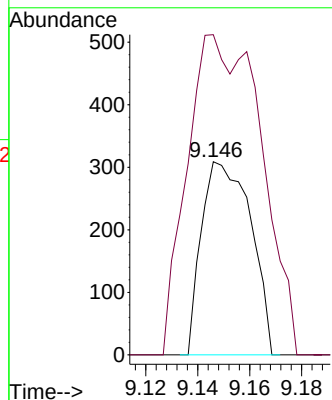


#53  
m,p-xylene  
Concen: 0.031 ug/L  
RT: 9.146 min Scan# 2521  
Delta R.T. 0.009 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Instrument :  
MSVOA\_V  
ClientSampleId :

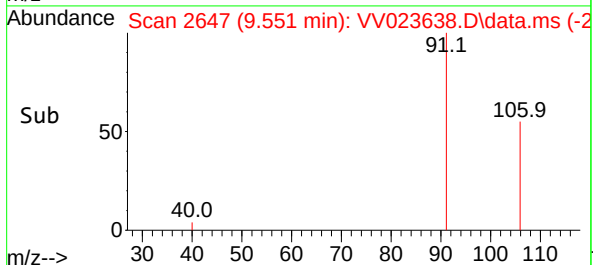
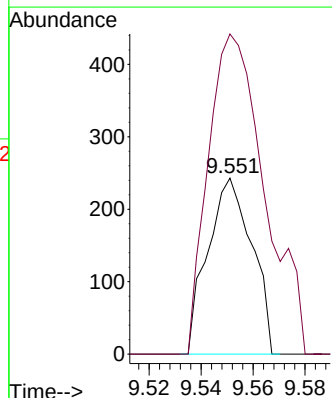
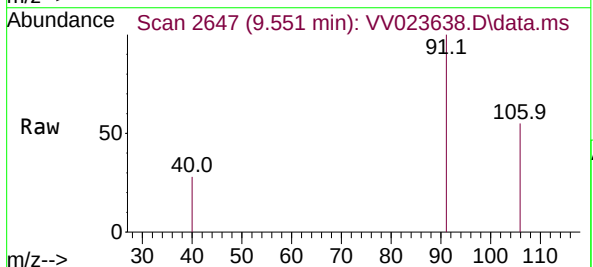


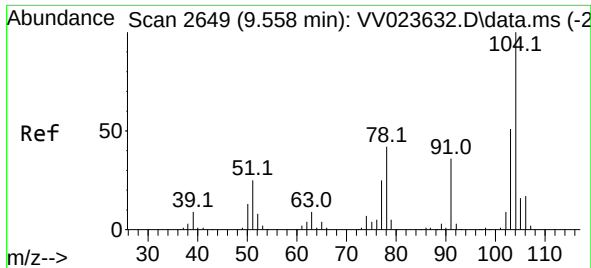
Tgt Ion:106 Resp: 406  
Ion Ratio Lower Upper  
106 100  
91 165.7 137.2 254.8



#54  
o-xylene  
Concen: 0.023 ug/L  
RT: 9.551 min Scan# 2647  
Delta R.T. 0.009 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion:106 Resp: 287  
Ion Ratio Lower Upper  
106 100  
91 181.9 148.3 275.5

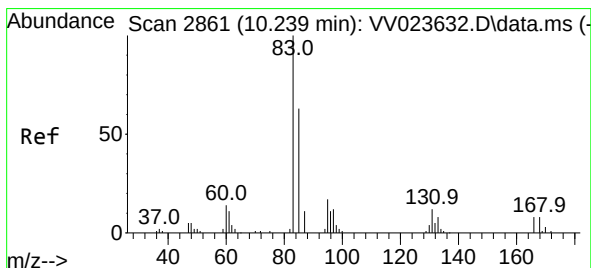
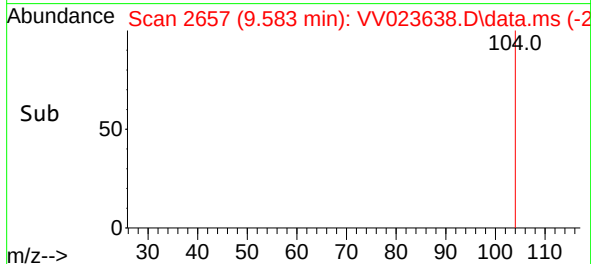
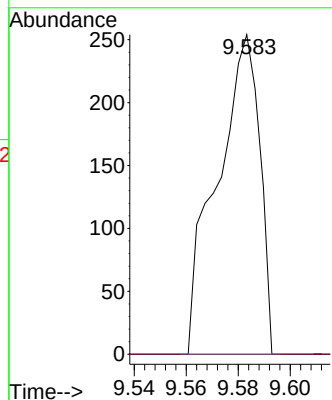
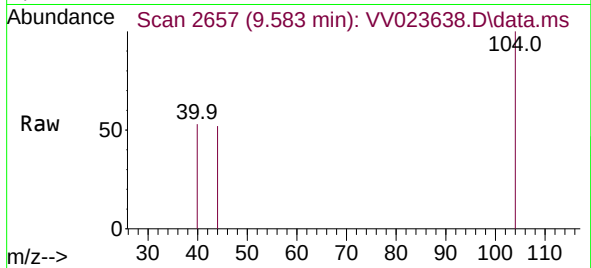




#55  
Styrene  
Concen: 0.014 ug/L  
RT: 9.583 min Scan# 2657  
Delta R.T. 0.026 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

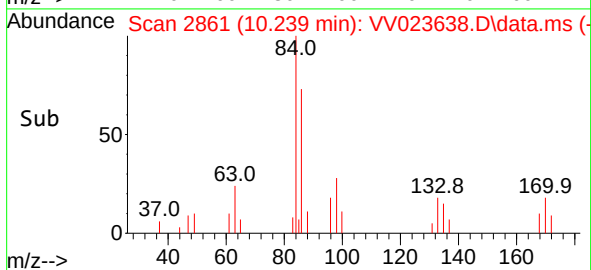
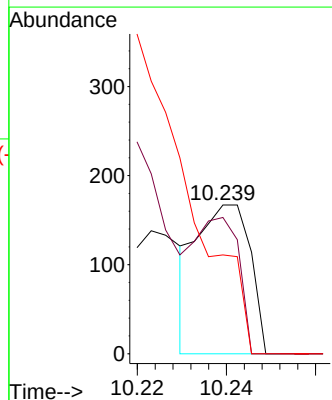
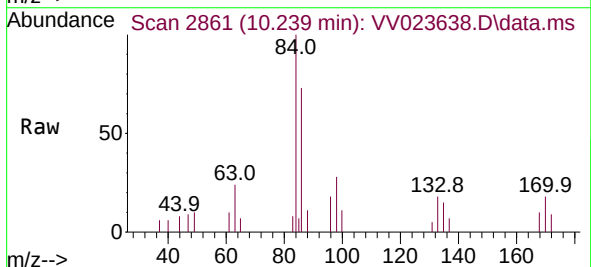
Instrument :  
MSVOA\_V  
ClientSampleId :

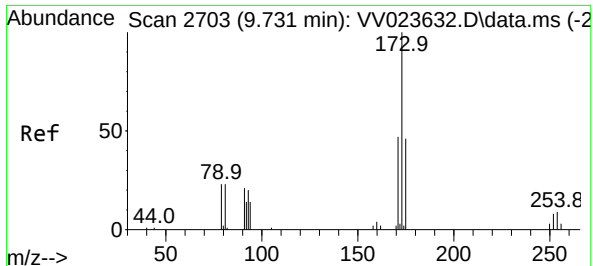
Tgt Ion:104 Resp: 289  
Ion Ratio Lower Upper  
104 100  
78 0.0 29.3 54.3#



#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.025 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.000 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion: 83 Resp: 139  
Ion Ratio Lower Upper  
83 100  
85 91.6 45.1 83.9#  
131 66.5 7.8 11.6#





#59

Bromoform

Concen: 0.015 ug/L

RT: 9.747 min Scan# 21

Delta R.T. 0.016 min

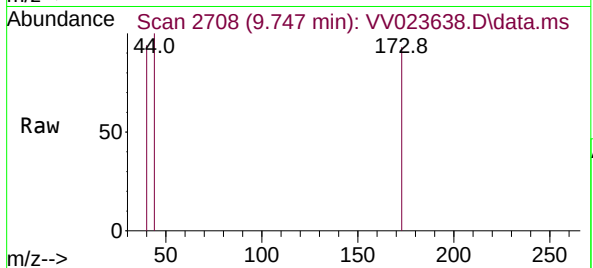
Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

Instrument :

MSVOA\_V

ClientSampleId :



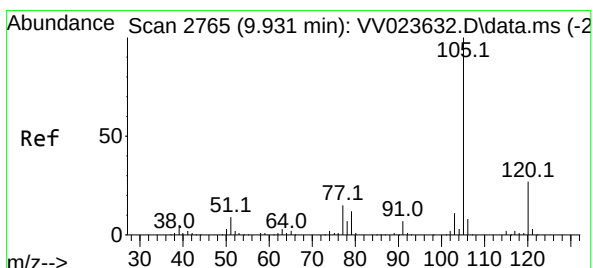
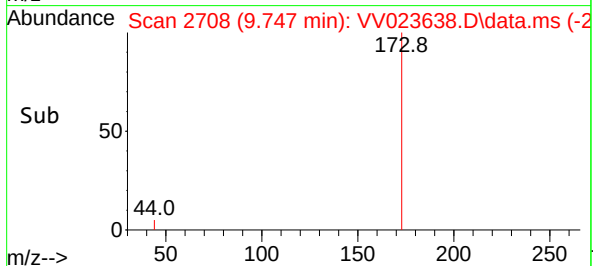
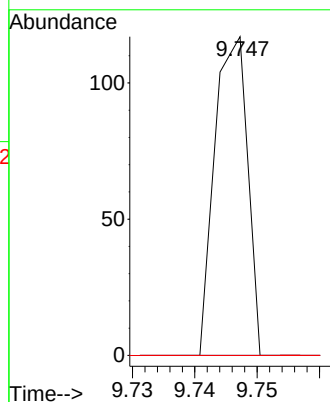
Tgt Ion:173 Resp: 43

Ion Ratio Lower Upper

173 100

175 0.0 38.2 57.2#

254 0.0 6.2 9.2#



#60

Isopropylbenzene

Concen: 0.022 ug/L

RT: 9.937 min Scan# 2767

Delta R.T. 0.006 min

Lab File: VV023638.D

Acq: 19 Nov 2021 13:05

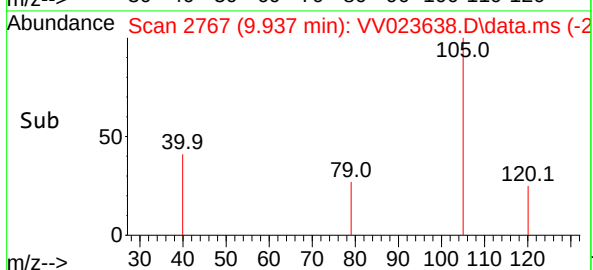
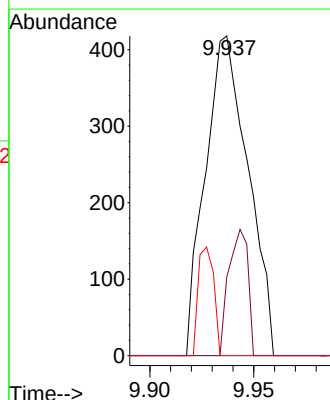
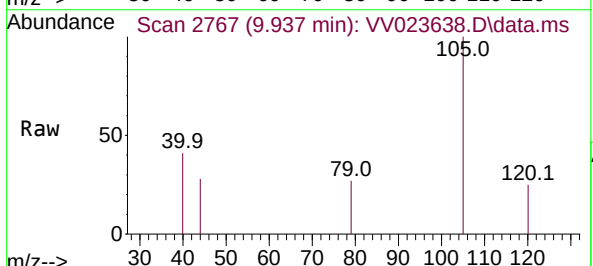
Tgt Ion:105 Resp: 598

Ion Ratio Lower Upper

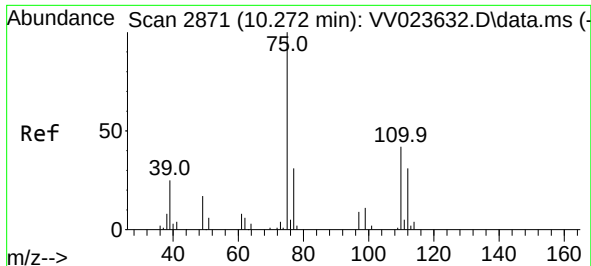
105 100

120 17.7 21.7 32.5#

77 12.4 12.6 19.0#



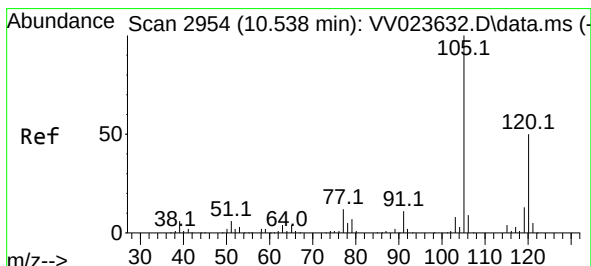
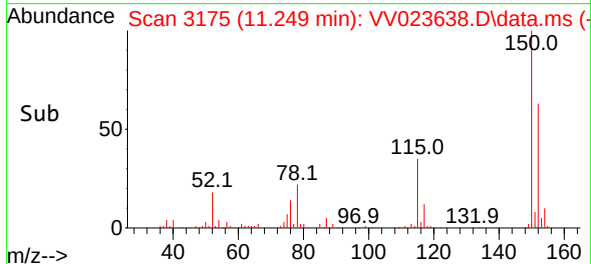
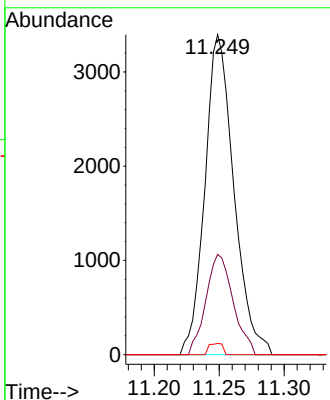
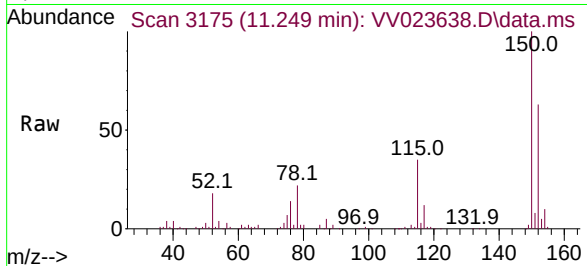




#61  
 1,2,3-Trichloropropane  
 Concen: 1.646 ug/L  
 RT: 11.249 min Scan# 31175  
 Delta R.T. 0.977 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

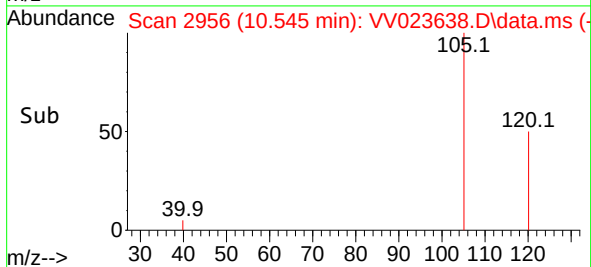
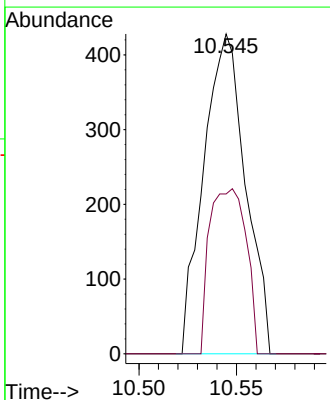
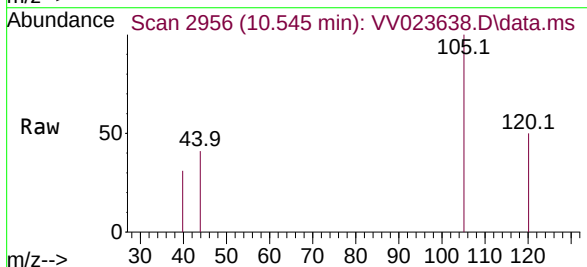
Instrument :  
 MSVOA\_V  
 ClientSampleId :

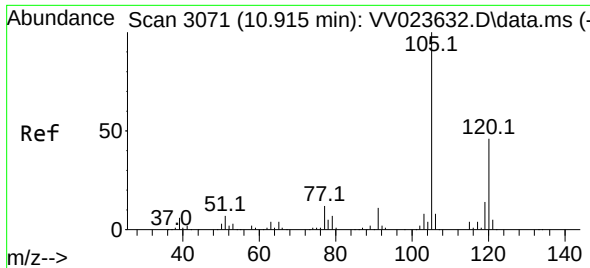
Tgt Ion: 75 Resp: 5267  
 Ion Ratio Lower Upper  
 75 100  
 77 29.4 26.6 39.8  
 110 1.7 31.8 47.6#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.028 ug/L  
 RT: 10.545 min Scan# 2956  
 Delta R.T. 0.006 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

Tgt Ion: 105 Resp: 638  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 39.7 59.5

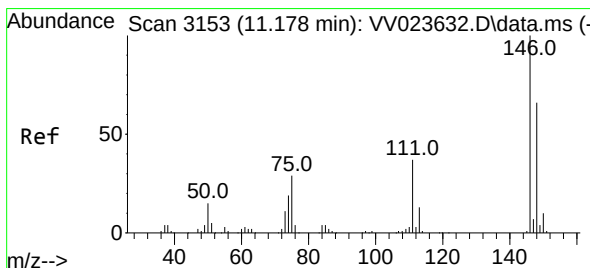
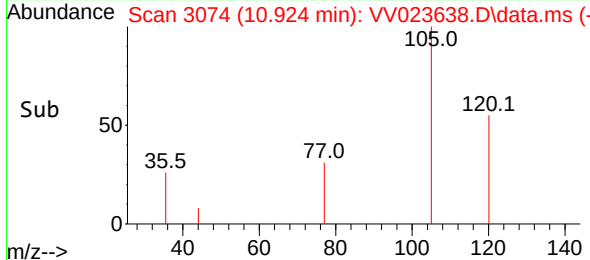
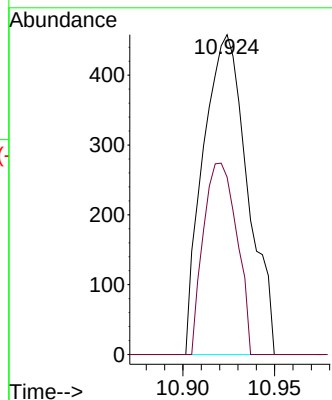
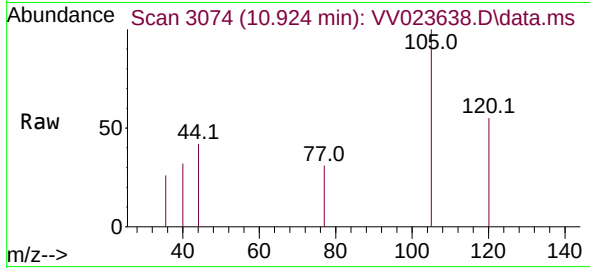




#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.034 ug/L  
 RT: 10.924 min Scan# 3074  
 Delta R.T. 0.009 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

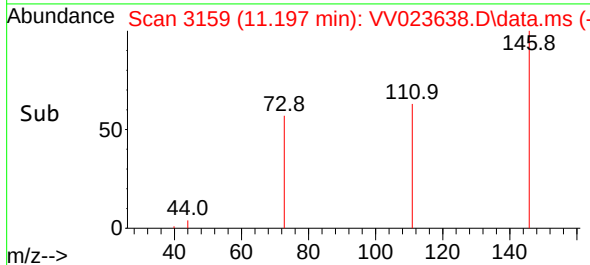
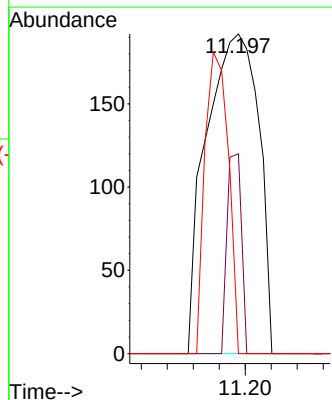
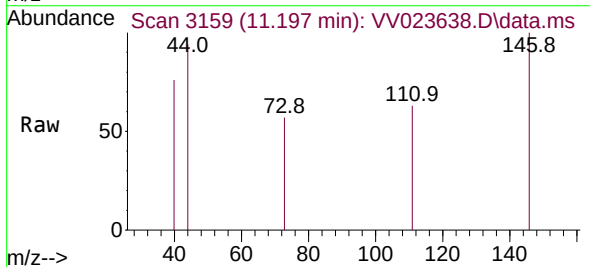
Instrument :  
 MSVOA\_V  
 ClientSampleId :

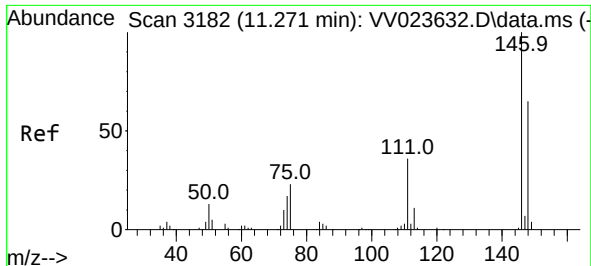
Tgt Ion:105 Resp: 768  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 37.4 56.2



#64  
 1,3-Dichlorobenzene  
 Concen: 0.019 ug/L  
 RT: 11.197 min Scan# 3159  
 Delta R.T. 0.019 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

Tgt Ion:146 Resp: 269  
 Ion Ratio Lower Upper  
 146 100  
 111 62.5 26.7 49.7#  
 148 0.0 42.9 79.7#

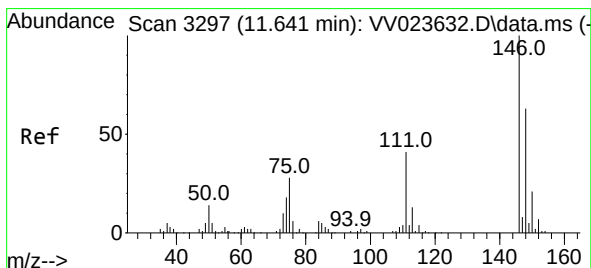
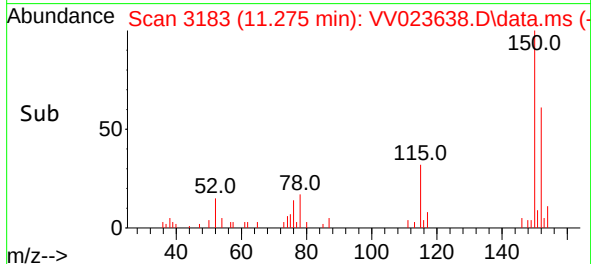
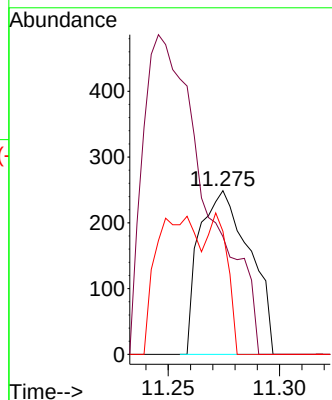
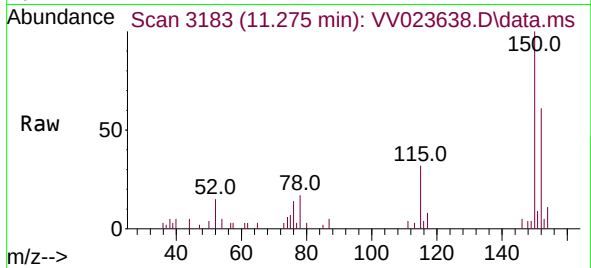




#65  
1,4-Dichlorobenzene  
Concen: 0.027 ug/L  
RT: 11.275 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

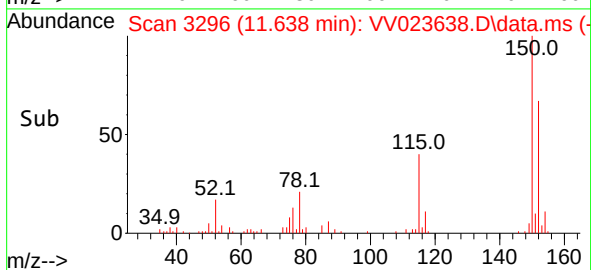
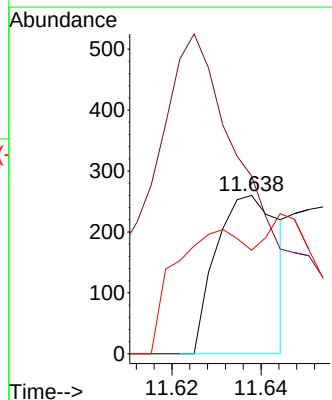
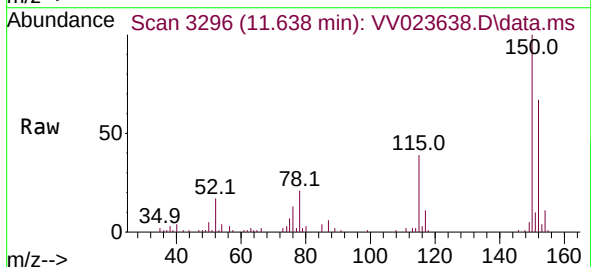
Instrument :  
MSVOA\_V  
ClientSampleId :

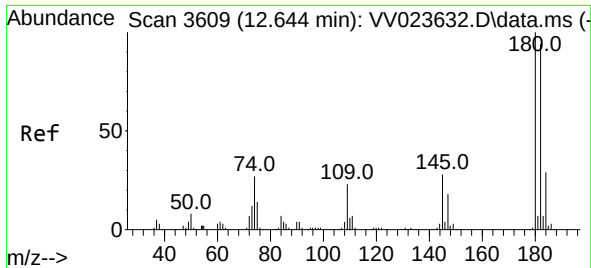
Tgt Ion:146 Resp: 392  
Ion Ratio Lower Upper  
146 100  
111 71.9 26.2 48.8#  
148 75.1 44.4 82.5



#67  
1,2-Dichlorobenzene  
Concen: 0.020 ug/L  
RT: 11.638 min Scan# 3296  
Delta R.T. -0.003 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

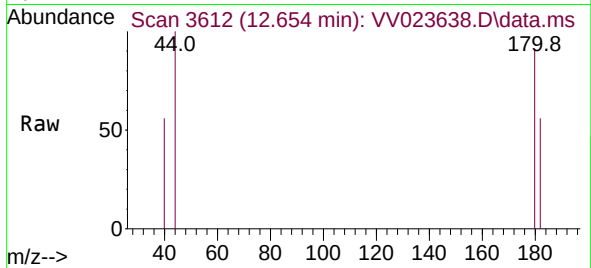
Tgt Ion:146 Resp: 251  
Ion Ratio Lower Upper  
146 100  
111 112.3 31.6 47.4#  
148 65.4 51.0 76.6



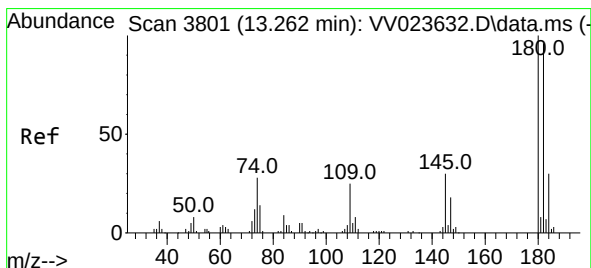
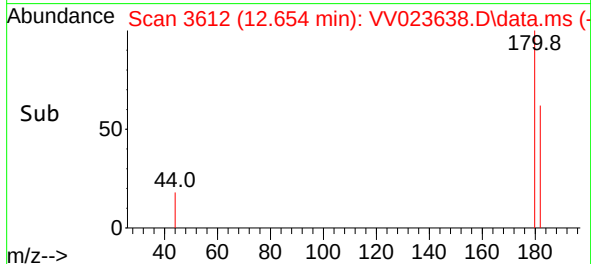
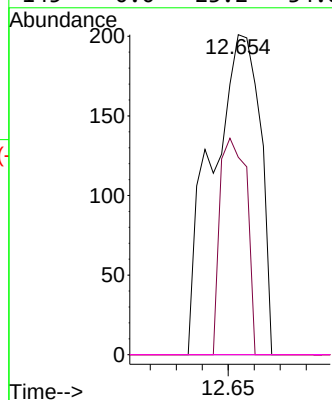


#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.024 ug/L  
 RT: 12.654 min Scan# 30  
 Delta R.T. 0.009 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

Instrument :  
 MSVOA\_V  
 ClientSampleId :

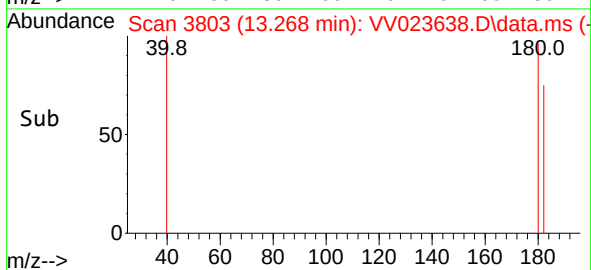
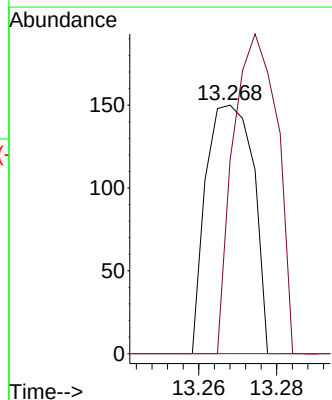
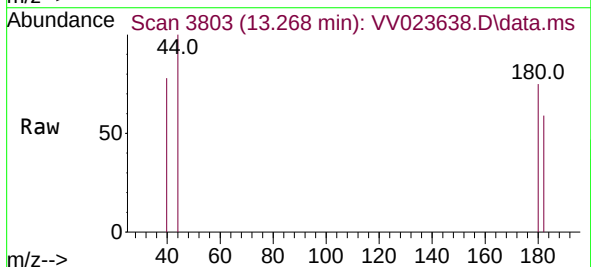


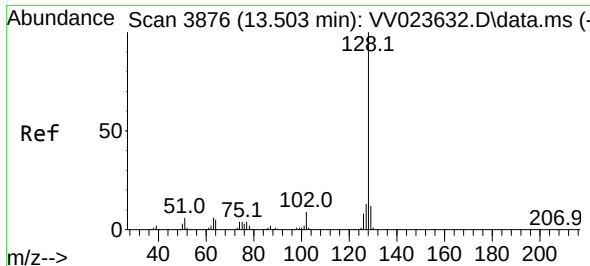
Tgt Ion:180 Resp: 260  
 Ion Ratio Lower Upper  
 180 100  
 182 37.3 74.9 112.3#  
 184 0.0 23.8 35.8#  
 145 0.0 23.2 34.8#



#70  
 1,2,4-trichlorobenzene  
 Concen: 0.014 ug/L  
 RT: 13.268 min Scan# 3803  
 Delta R.T. 0.006 min  
 Lab File: VV023638.D  
 Acq: 19 Nov 2021 13:05

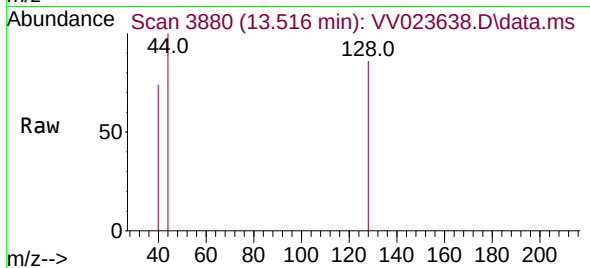
Tgt Ion:180 Resp: 127  
 Ion Ratio Lower Upper  
 180 100  
 182 118.9 76.9 115.3#  
 145 0.0 24.4 36.6#



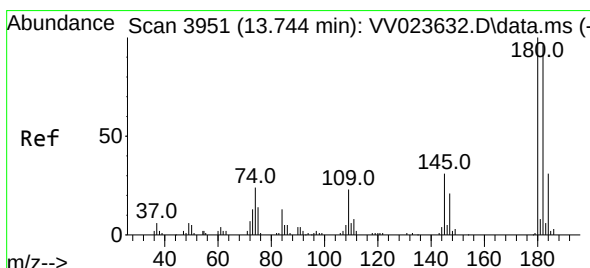
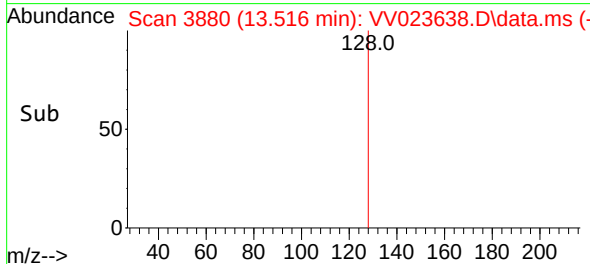
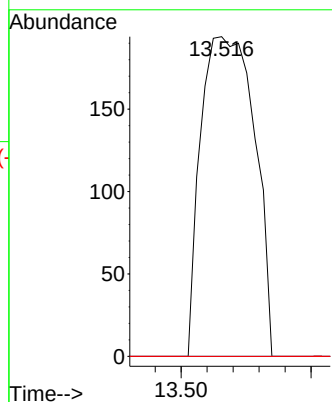


#71  
Naphthalene  
Concen: 0.021 ug/L  
RT: 13.516 min Scan# 3880  
Delta R.T. 0.013 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 278  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.6 13.0#  
127 0.0 10.5 15.7#



#72  
1,2,3-Trichlorobenzene  
Concen: 0.006 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV023638.D  
Acq: 19 Nov 2021 13:05

Tgt Ion:180 Resp: 48  
Ion Ratio Lower Upper  
180 100  
182 147.9 76.7 115.1#  
145 0.0 25.7 38.5#

