

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060822\  
 Data File : VW026018.D  
 Acq On : 08 Jun 2022 13:45  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005298

Quant Time: Jun 09 05:04:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 09 04:54:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.622  | 114   | 263355   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 244429   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 126025   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.317  | 65    | 75866    | 4.907    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.200%   |
| 7) Chloroethane-d5            | 1.574  | 69    | 76261    | 4.718    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.117  | 63    | 165261   | 4.628    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.600%   |
| 20) 2-Butanone-d5             | 3.918  | 46    | 152247   | 66.586   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 133.180%# |
| 24) Chloroform-d              | 4.358  | 84    | 157003   | 4.792    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.800%   |
| 26) 1,2-Dichloroethane-d4     | 5.040  | 65    | 65042    | 4.867    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.400%   |
| 32) Benzene-d6                | 5.056  | 84    | 295278   | 4.999    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.075  | 67    | 92537    | 5.064    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.200%  |
| 41) Toluene-d8                | 7.316  | 98    | 264927   | 5.076    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.600%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 27334    | 5.081    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 101.600%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 126971   | 53.632   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 60737    | 4.930    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.600%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 91186    | 4.729    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.600%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.143  | 85    | 120792   | 4.660    | ug/L   | 99        |
| 3) Chloromethane              | 1.252  | 50    | 129814   | 4.473    | ug/L   | 98        |
| 5) Vinyl chloride             | 1.320  | 62    | 147113   | 4.854    | ug/L   | 100       |
| 6) Bromomethane               | 1.529  | 94    | 81419    | 4.635    | ug/L   | 97        |
| 8) Chloroethane               | 1.593  | 64    | 86582    | 4.645    | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 1.760  | 101   | 182176   | 4.715    | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.124  | 101   | 100623   | 4.571    | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 2.124  | 96    | 98617    | 4.655    | ug/L   | 96        |
| 13) Acetone                   | 2.207  | 43    | 73243    | 40.165   | ug/L   | 52        |
| 14) Carbon disulfide          | 2.301  | 76    | 276483   | 4.574    | ug/L   | 100       |
| 15) Methyl Acetate            | 2.455  | 43    | 25743    | 4.319    | ug/L # | 79        |
| 16) Methylene chloride        | 2.516  | 84    | 97178    | 4.604    | ug/L   | 100       |
| 17) Methyl tert-butyl Ether   | 2.786  | 73    | 166690   | 4.847    | ug/L   | 99        |
| 18) trans-1,2-Dichloroethene  | 2.767  | 96    | 91524    | 4.581    | ug/L   | 100       |
| 19) 1,1-Dichloroethane        | 3.198  | 63    | 168545   | 4.638    | ug/L   | 99        |
| 21) 2-Butanone                | 4.002  | 43    | 150304   | 63.277   | ug/L   | 99        |
| 22) cis-1,2-Dichloroethene    | 3.921  | 96    | 93059    | 4.726    | ug/L   | 93        |
| 23) Bromochloromethane        | 4.259  | 128   | 38526    | 4.654    | ug/L   | 98        |
| 25) Chloroform                | 4.384  | 83    | 171679   | 4.602    | ug/L   | 99        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060822\  
 Data File : VV026018.D  
 Acq On : 08 Jun 2022 13:45  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

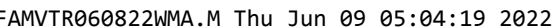
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005298

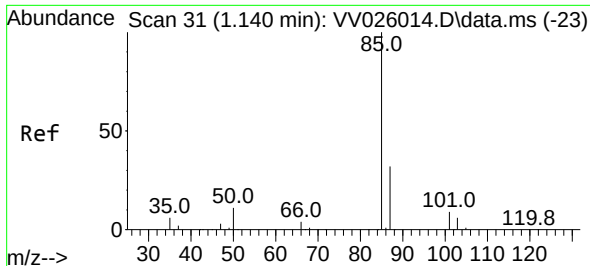
Quant Time: Jun 09 05:04:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 09 04:54:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.140  | 62   | 87658    | 4.753  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.616  | 97   | 149353   | 4.656  | ug/L  | 99       |
| 30) Cyclohexane               | 4.683  | 56   | 137487   | 4.928  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.834  | 117  | 125660   | 4.771  | ug/L  | 96       |
| 33) Benzene                   | 5.104  | 78   | 378429   | 4.927  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 95853    | 4.776  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.133  | 83   | 151414   | 4.894  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 90373    | 4.854  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 108082   | 4.806  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 112970   | 4.925  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 386798   | 50.863 | ug/L  | 98       |
| 42) Toluene                   | 7.390  | 91   | 403295   | 5.025  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 90853    | 5.055  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 57654    | 4.769  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.976  | 164  | 72475    | 4.666  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 274792   | 50.906 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.246  | 129  | 62231    | 4.716  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 50809    | 4.724  | ug/L  | 93       |
| 51) Chlorobenzene             | 8.882  | 112  | 249289   | 4.772  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 418601   | 4.976  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 160414   | 4.933  | ug/L  | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 154828   | 5.009  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 267131   | 5.159  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 60588    | 4.681  | ug/L  | 98       |
| 59) Bromoform                 | 9.731  | 173  | 28634    | 4.843  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 411811   | 4.917  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 45721    | 4.648  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 326287   | 4.919  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 332075   | 5.028  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 191747   | 4.819  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 188978   | 4.664  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 164611   | 4.678  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 7595     | 4.345  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 133476   | 4.632  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 98539    | 4.588  | ug/L  | 97       |
| 71) Naphthalene               | 13.503 | 128  | 147893   | 4.846  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 88235    | 4.853  | ug/L  | 99       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
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QLast Update : Thu Jun 09 04:54:00 2022  
Response via : Initial Calibration

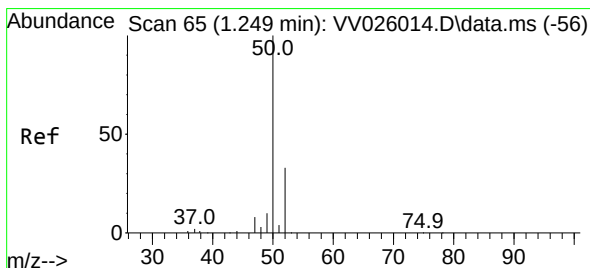
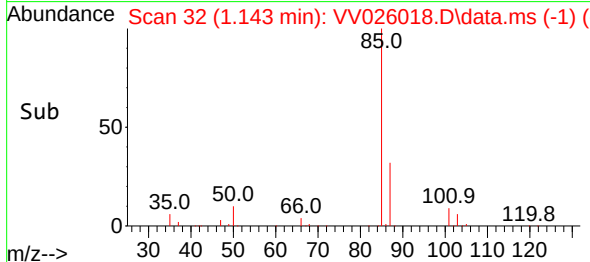
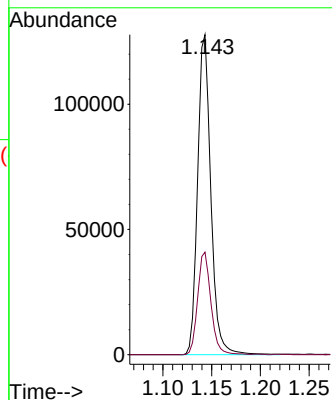
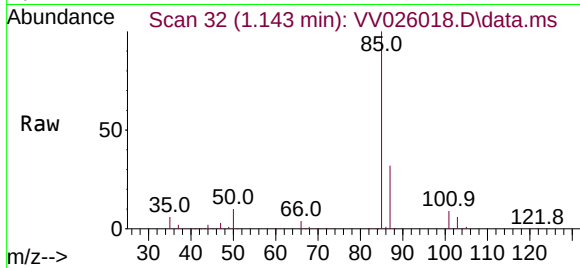




#2  
 Dichlorodifluoromethane  
 Concen: 4.660 ug/L  
 RT: 1.143 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

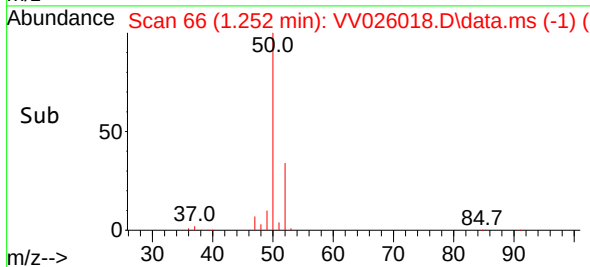
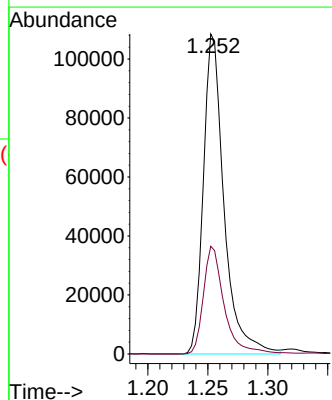
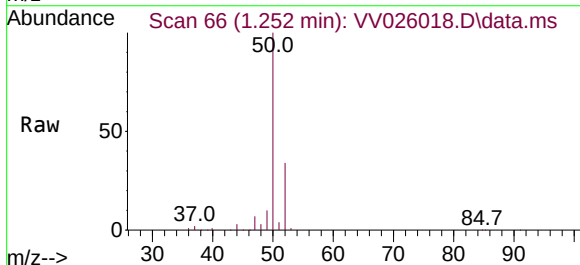
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005298

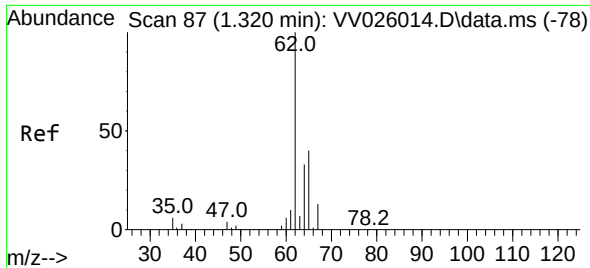
Tgt Ion: 85 Resp: 120792  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 25.3 37.9



#3  
 Chloromethane  
 Concen: 4.473 ug/L  
 RT: 1.252 min Scan# 66  
 Delta R.T. 0.003 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

Tgt Ion: 50 Resp: 129814  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 23.0 42.6

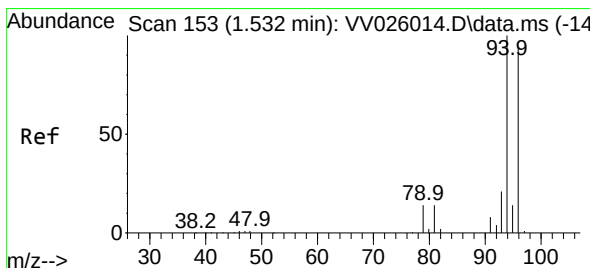
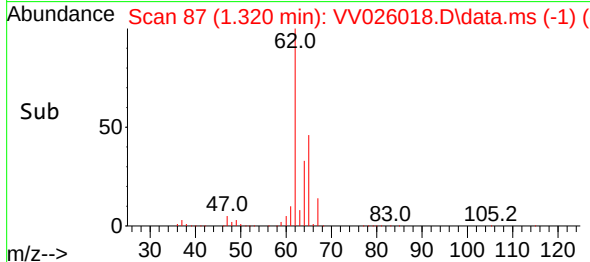
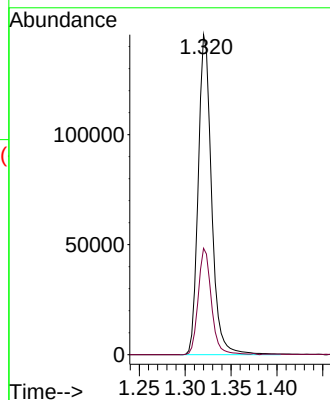
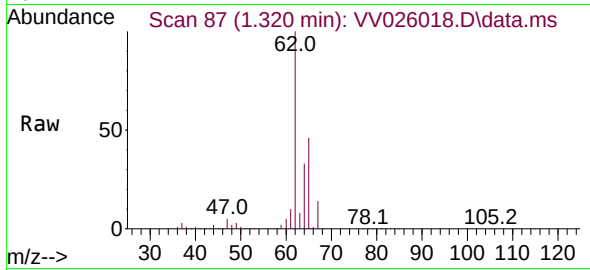




#5  
 Vinyl chloride  
 Concen: 4.854 ug/L  
 RT: 1.320 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

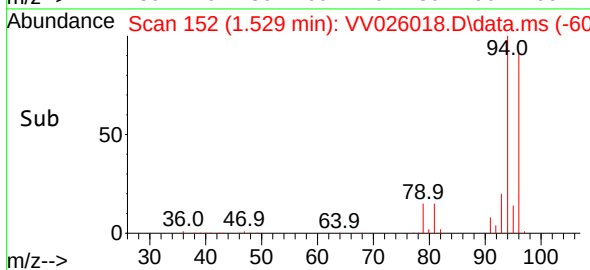
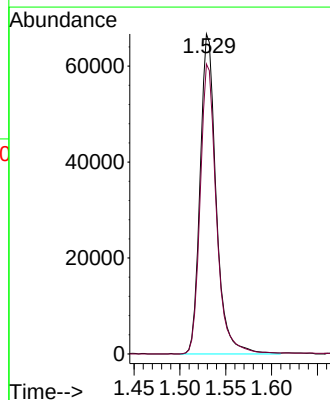
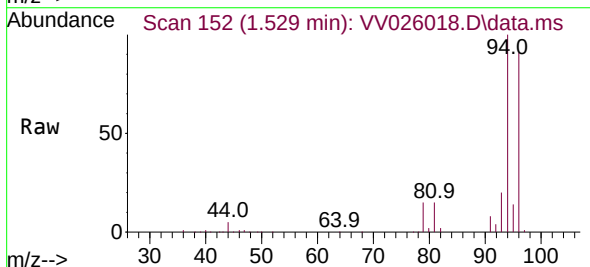
Instrument :  
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 ClientSampleId :  
 VSTD005298

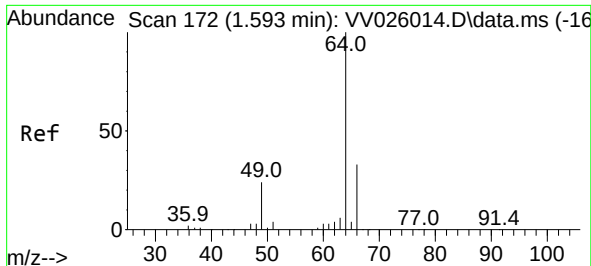
Tgt Ion: 62 Resp: 147113  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.4 43.4



#6  
 Bromomethane  
 Concen: 4.635 ug/L  
 RT: 1.529 min Scan# 152  
 Delta R.T. -0.003 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

Tgt Ion: 94 Resp: 81419  
 Ion Ratio Lower Upper  
 94 100  
 96 90.6 65.5 121.6

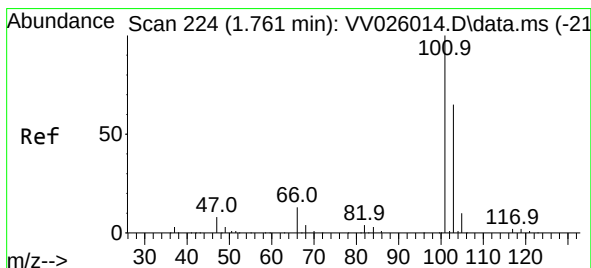
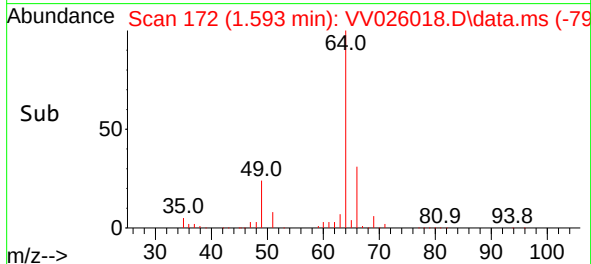
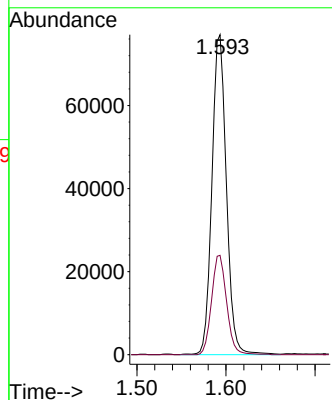
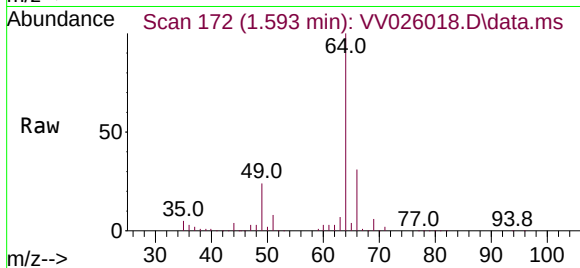




#8  
Chloroethane  
Concen: 4.645 ug/L  
RT: 1.593 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

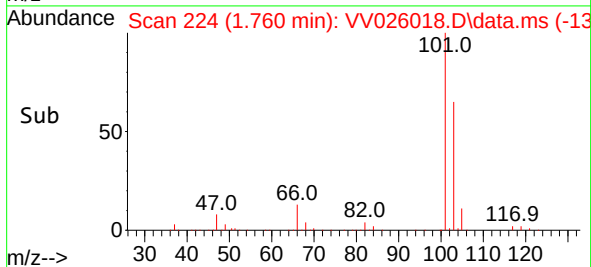
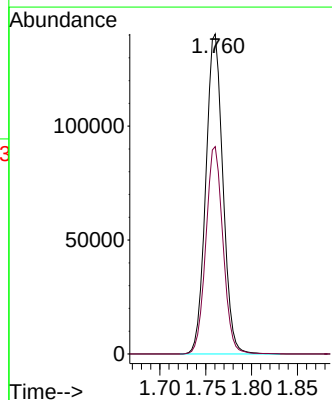
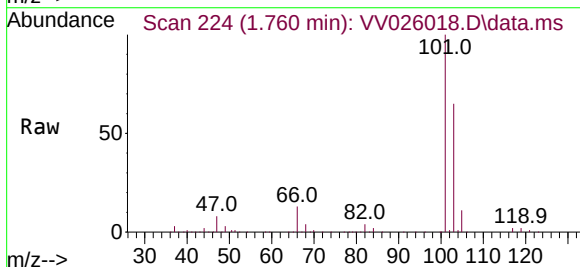
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

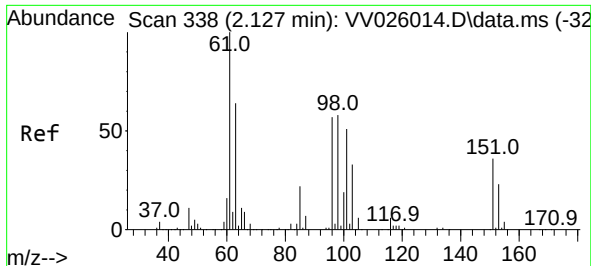
Tgt Ion: 64 Resp: 86582  
Ion Ratio Lower Upper  
64 100  
66 31.1 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 4.715 ug/L  
RT: 1.760 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion:101 Resp: 182176  
Ion Ratio Lower Upper  
101 100  
103 65.0 52.6 78.8

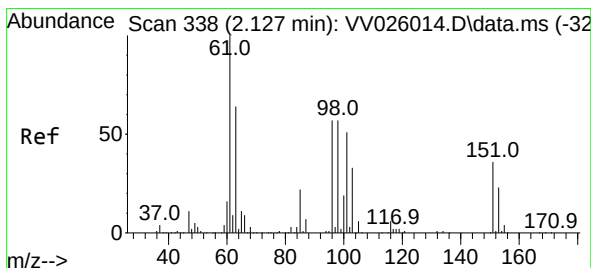
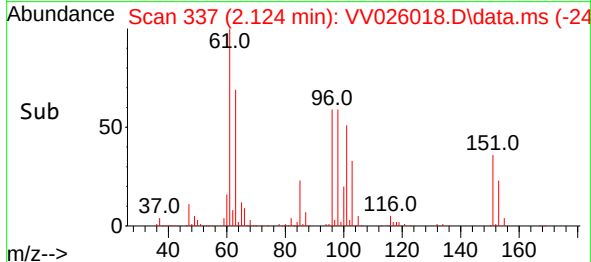
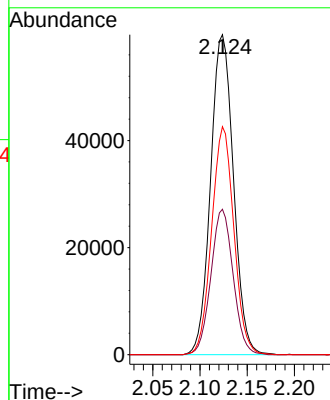
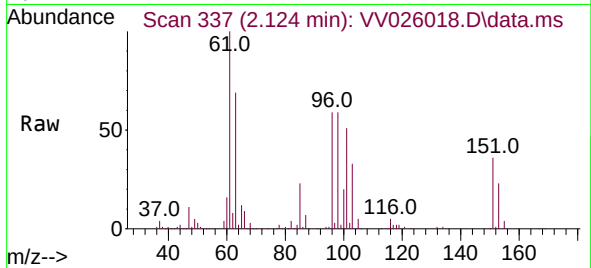




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.571 ug/L  
 RT: 2.124 min Scan# 337  
 Delta R.T. -0.003 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

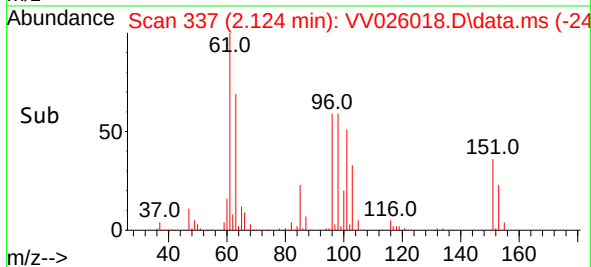
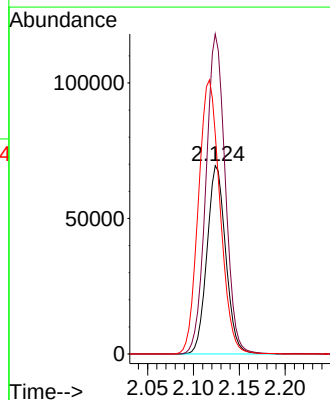
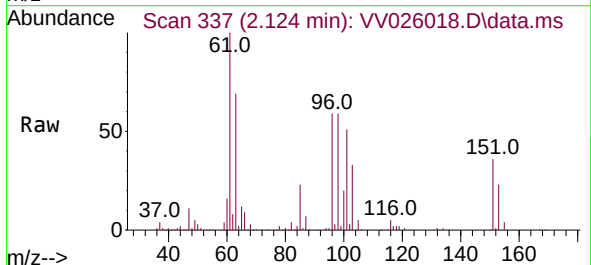
Instrument :  
 MSVOA\_V  
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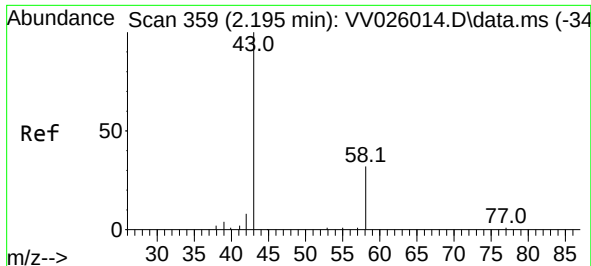
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 Ion Ratio Lower Upper  
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 85 44.2 35.6 53.4  
 151 69.3 56.4 84.6



#12  
 1,1-Dichloroethene  
 Concen: 4.655 ug/L  
 RT: 2.124 min Scan# 337  
 Delta R.T. -0.003 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

Tgt Ion: 96 Resp: 98617  
 Ion Ratio Lower Upper  
 96 100  
 61 169.9 122.6 227.6  
 63 116.8 78.5 145.9





#13

Acetone

Concen: 40.165 ug/L

RT: 2.207 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

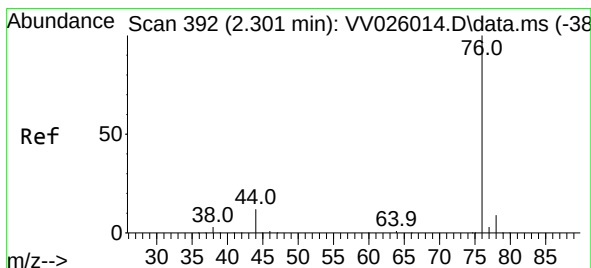
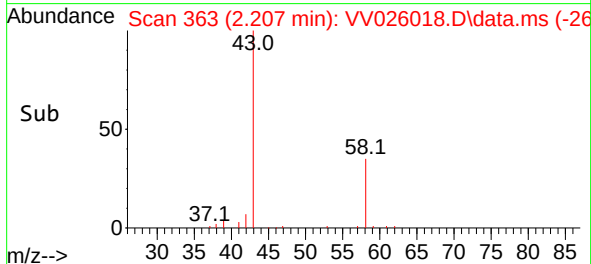
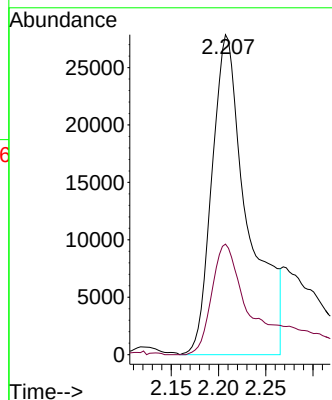
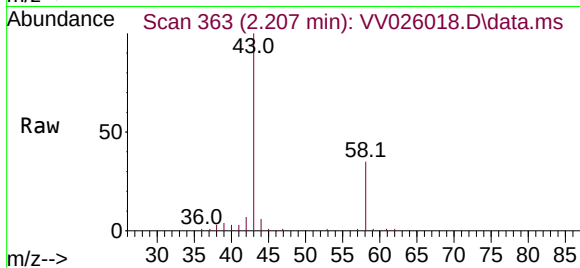
VSTD005298

Tgt Ion: 43 Resp: 73243

Ion Ratio Lower Upper

43 100

58 47.3 0.0 47.6



#14

Carbon disulfide

Concen: 4.574 ug/L

RT: 2.301 min Scan# 392

Delta R.T. -0.000 min

Lab File: VV026018.D

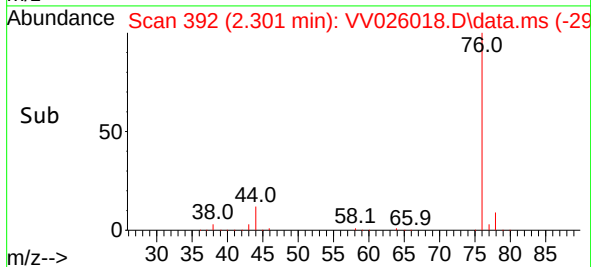
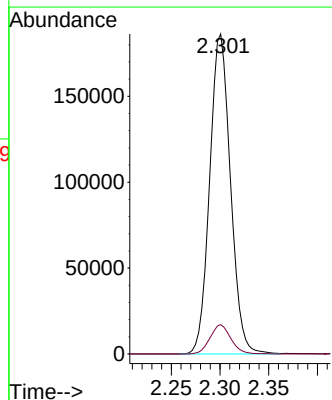
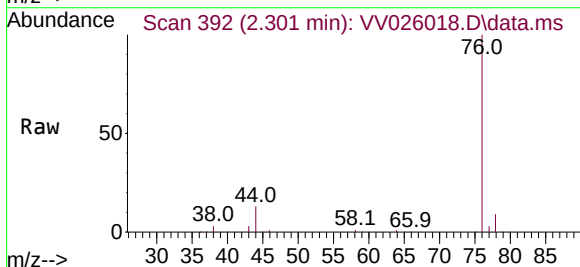
Acq: 08 Jun 2022 13:45

Tgt Ion: 76 Resp: 276483

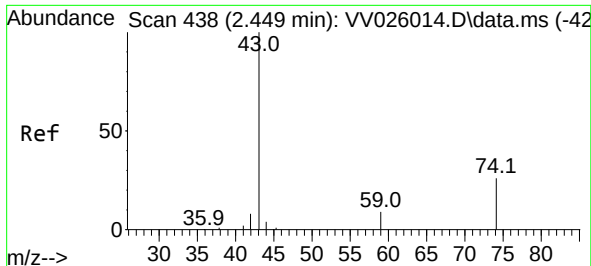
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0







#15

Methyl Acetate

Concen: 4.319 ug/L

RT: 2.455 min Scan# 440

Delta R.T. 0.006 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

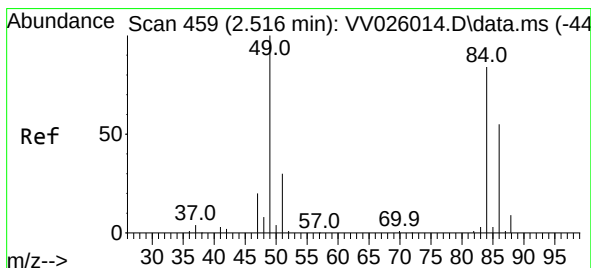
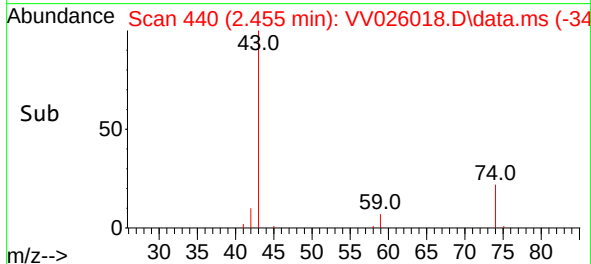
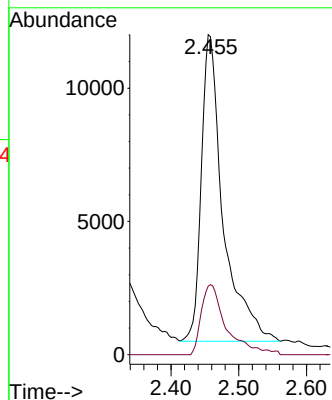
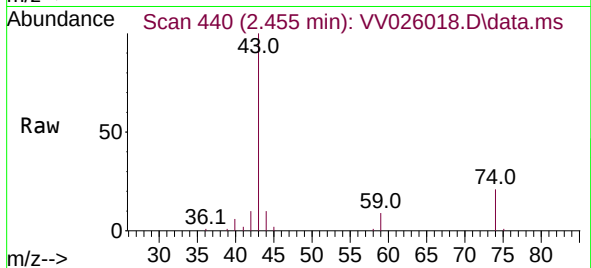
VSTD005298

Tgt Ion: 43 Resp: 25743

Ion Ratio Lower Upper

43 100

74 25.5 13.3 19.9#



#16

Methylene chloride

Concen: 4.604 ug/L

RT: 2.516 min Scan# 459

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

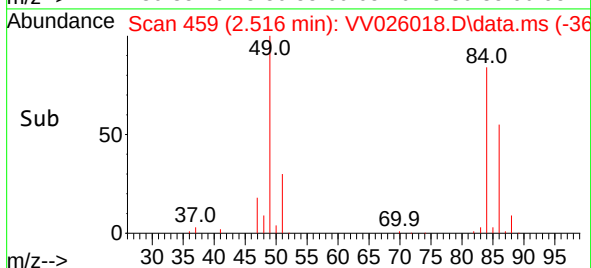
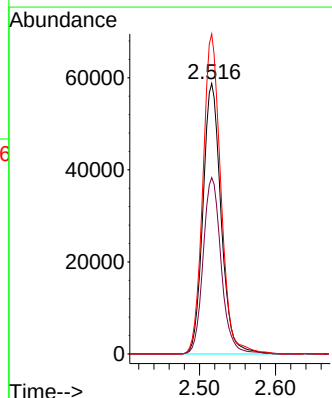
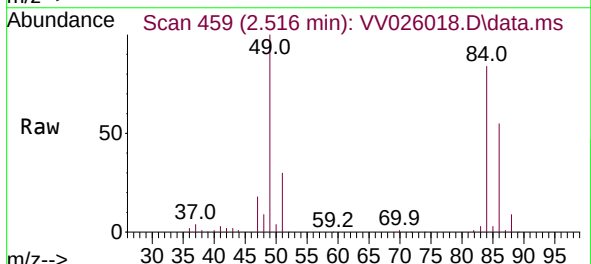
Tgt Ion: 84 Resp: 97178

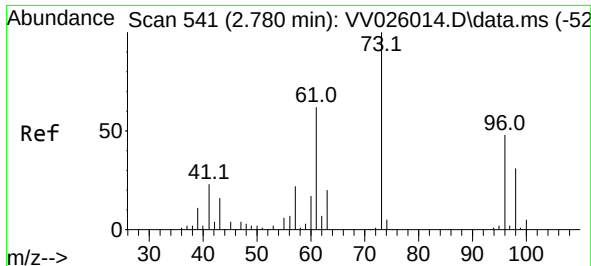
Ion Ratio Lower Upper

84 100

86 65.2 45.6 84.6

49 118.4 82.9 153.9

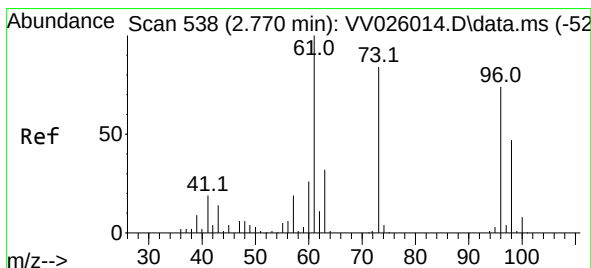
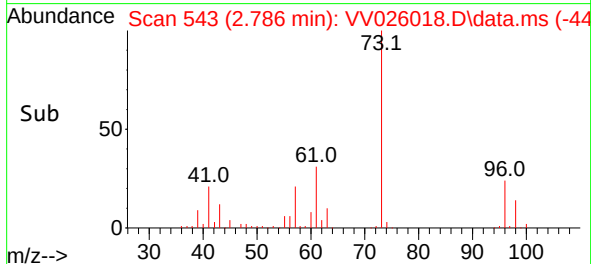
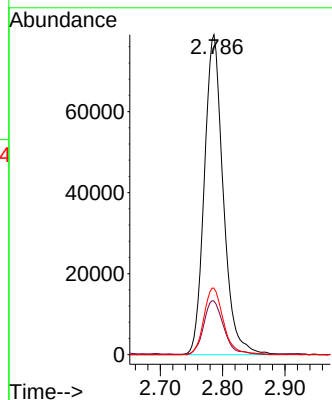
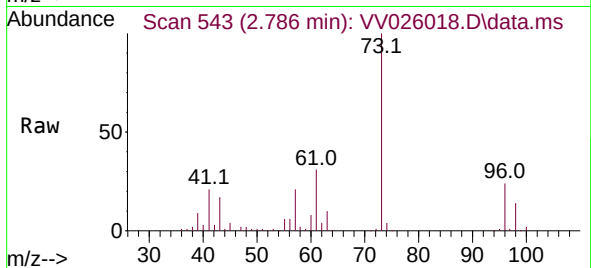




#17  
Methyl tert-butyl Ether  
Concen: 4.847 ug/L  
RT: 2.786 min Scan# 541  
Delta R.T. 0.006 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

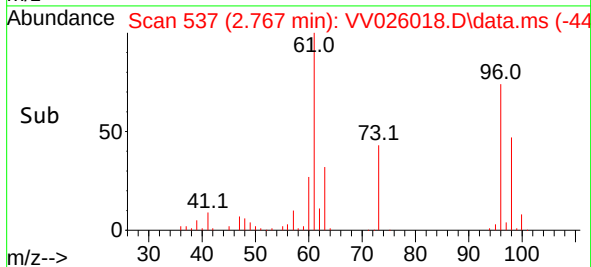
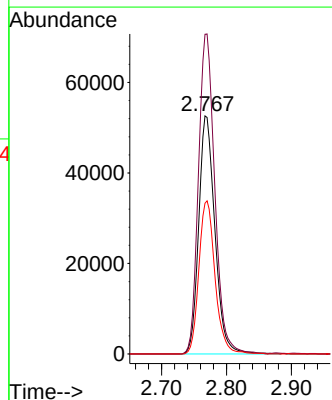
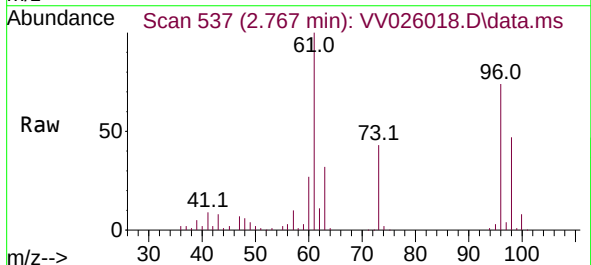
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

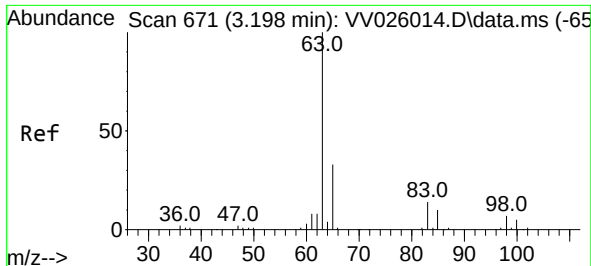
Tgt Ion: 73 Resp: 166690  
Ion Ratio Lower Upper  
73 100  
43 17.4 13.7 20.5  
57 21.5 17.8 26.6



#18  
trans-1,2-Dichloroethene  
Concen: 4.581 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.003 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion: 96 Resp: 91524  
Ion Ratio Lower Upper  
96 100  
61 134.2 94.3 175.1  
98 63.3 44.4 82.5





#19

1,1-Dichloroethane

Concen: 4.638 ug/L

RT: 3.198 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005298

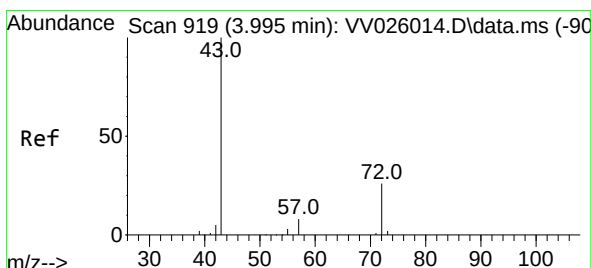
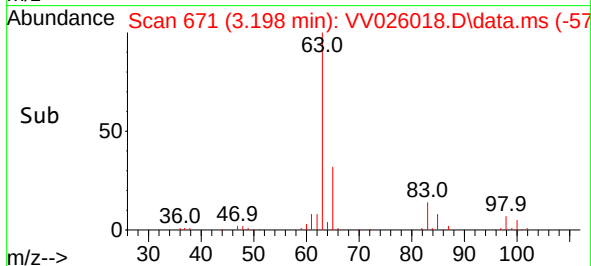
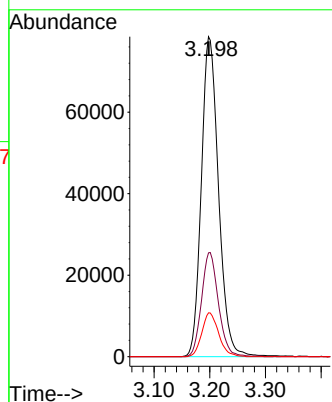
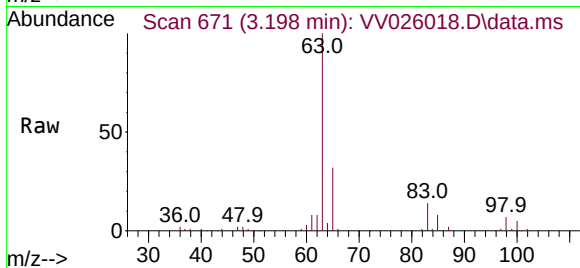
Tgt Ion: 63 Resp: 168545

Ion Ratio Lower Upper

63 100

65 32.5 23.1 42.9

83 13.7 9.7 18.1



#21

2-Butanone

Concen: 63.277 ug/L

RT: 4.002 min Scan# 921

Delta R.T. 0.006 min

Lab File: VV026018.D

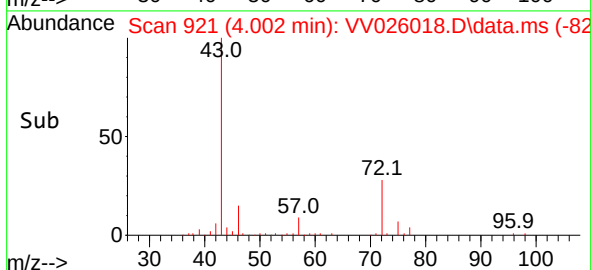
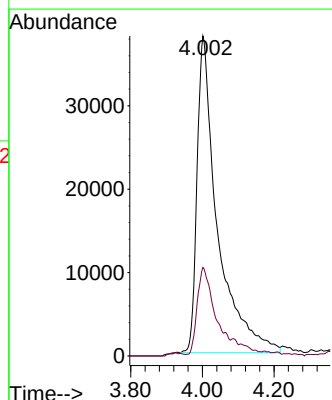
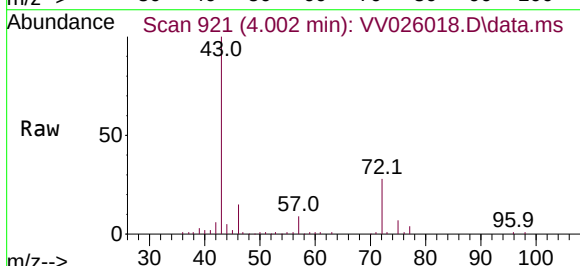
Acq: 08 Jun 2022 13:45

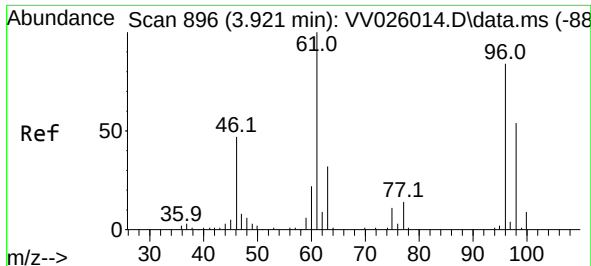
Tgt Ion: 43 Resp: 150304

Ion Ratio Lower Upper

43 100

72 23.4 11.9 35.7

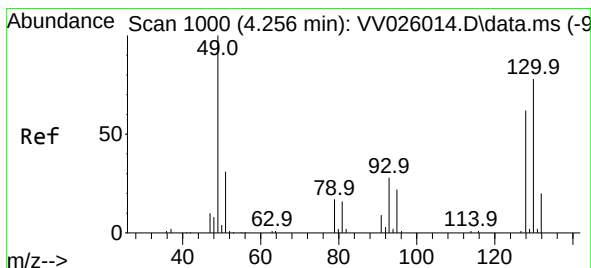
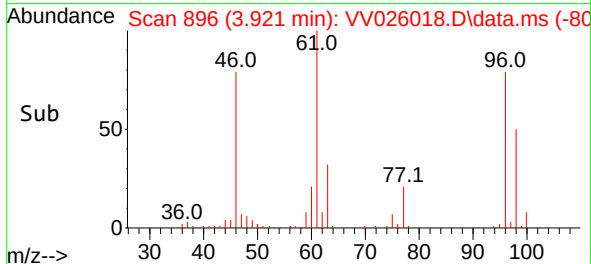
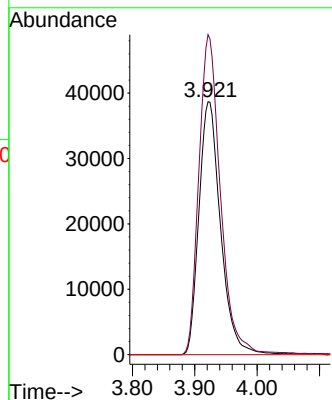
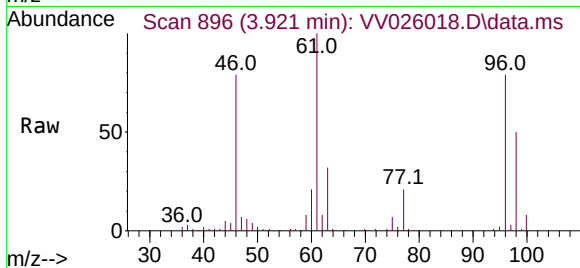




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.726 ug/L  
 RT: 3.921 min Scan# 896  
 Delta R.T. -0.000 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

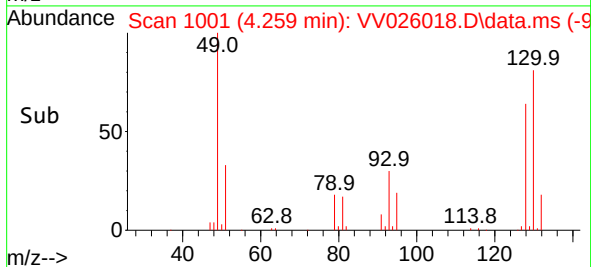
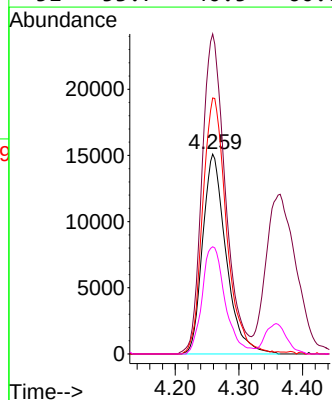
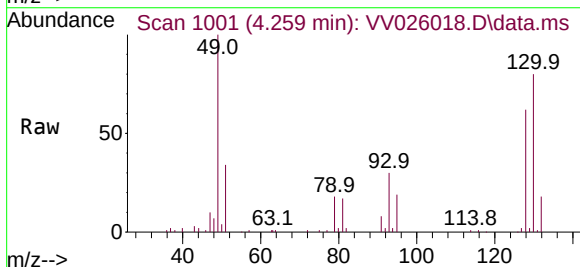
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005298

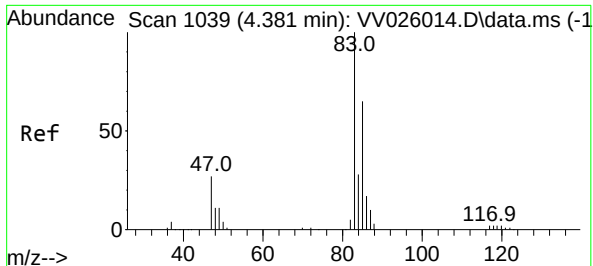
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 93059 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 126.5    | 83.1 154.3  |
| 68 0.0      | 0.0 0.0     |



#23  
 Bromochloromethane  
 Concen: 4.654 ug/L  
 RT: 4.259 min Scan# 1001  
 Delta R.T. 0.003 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:128 | Resp: | 38526 |
| Ion | Ratio   | Lower | Upper |
| 128 | 100     |       |       |
| 49  | 160.2   | 112.8 | 209.4 |
| 130 | 128.1   | 87.4  | 162.4 |
| 51  | 53.7    | 40.5  | 60.7  |





#25

Chloroform

Concen: 4.602 ug/L

RT: 4.384 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

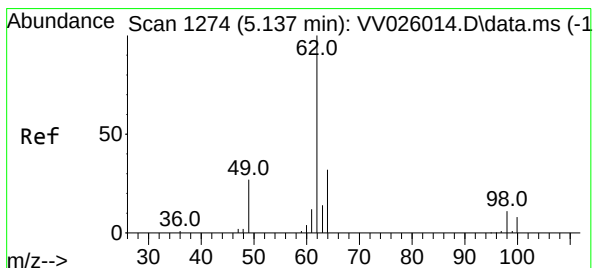
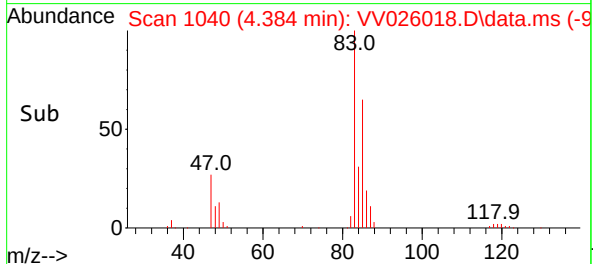
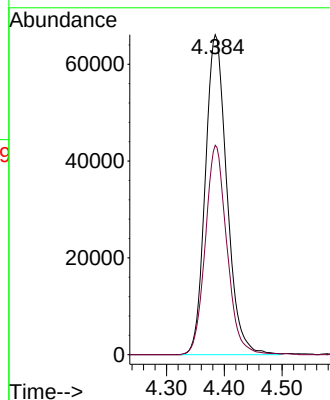
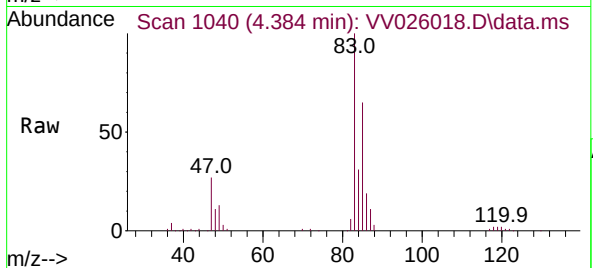
VSTD005298

Tgt Ion: 83 Resp: 171679

Ion Ratio Lower Upper

83 100

85 65.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.753 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.003 min

Lab File: VV026018.D

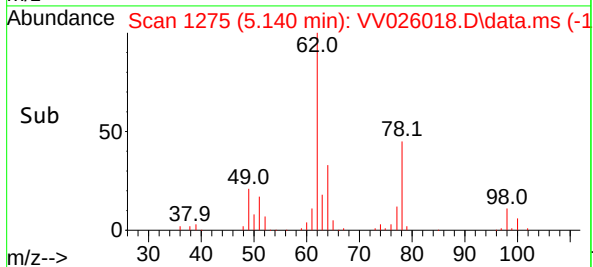
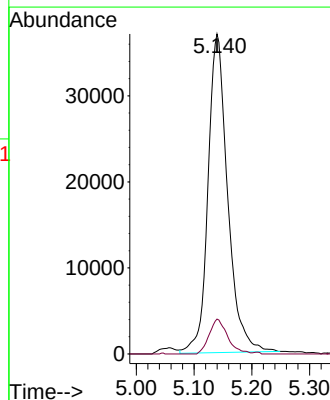
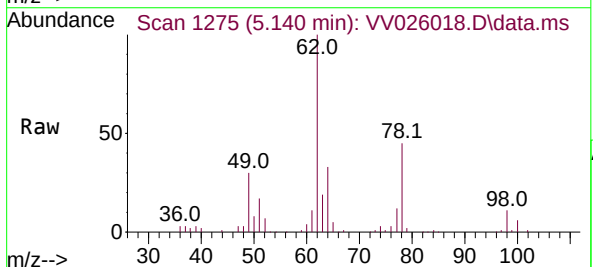
Acq: 08 Jun 2022 13:45

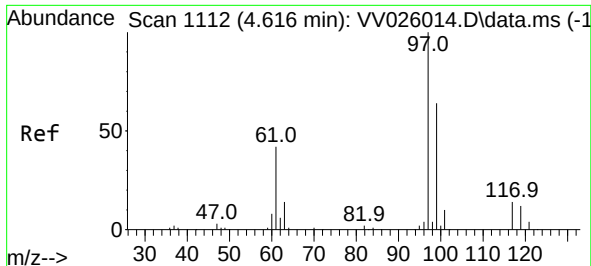
Tgt Ion: 62 Resp: 87658

Ion Ratio Lower Upper

62 100

98 10.9 8.5 12.7





#29

1,1,1-Trichloroethane

Concen: 4.656 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005298

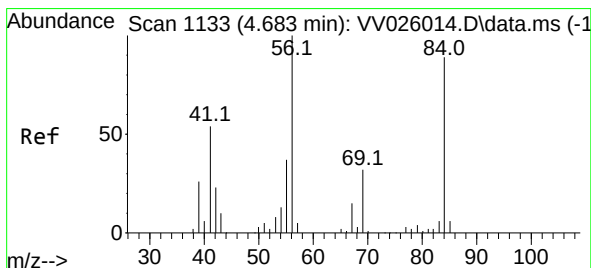
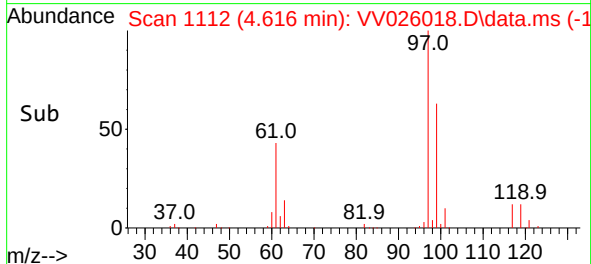
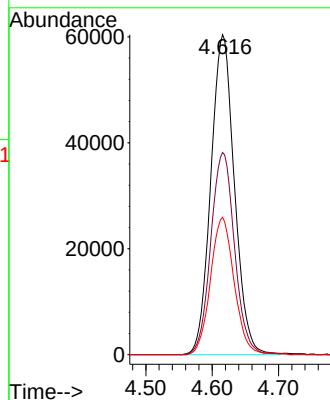
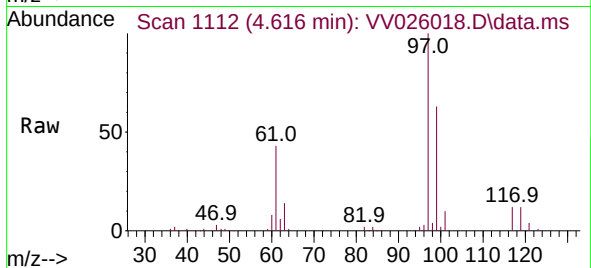
Tgt Ion: 97 Resp: 149353

Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 42.9 34.9 52.3



#30

Cyclohexane

Concen: 4.928 ug/L

RT: 4.683 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

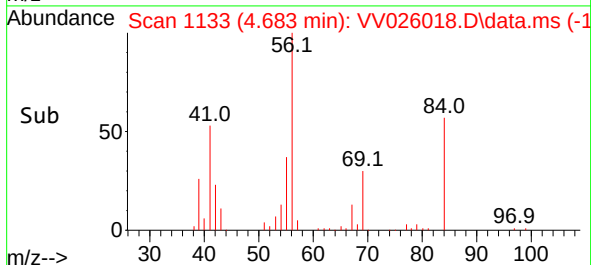
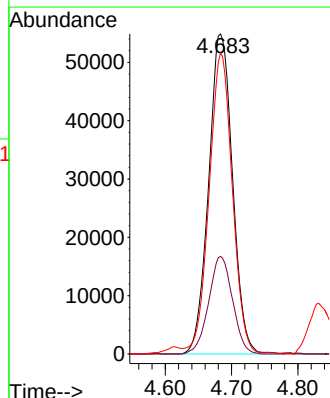
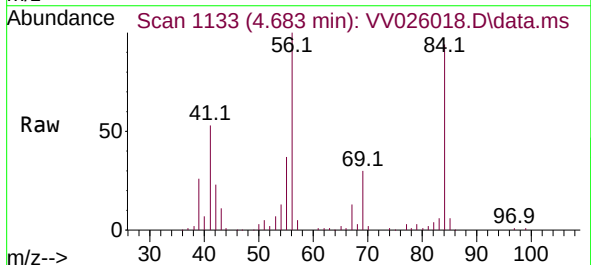
Tgt Ion: 56 Resp: 137487

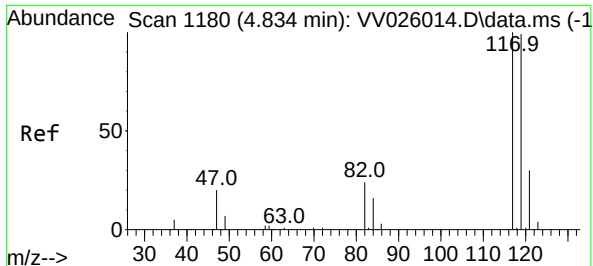
Ion Ratio Lower Upper

56 100

69 30.4 25.1 37.7

84 90.5 72.2 108.4

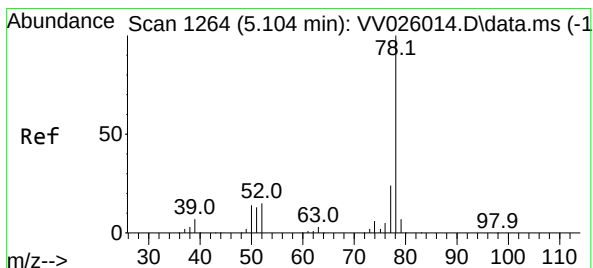
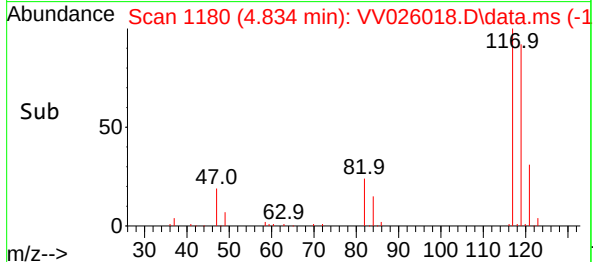
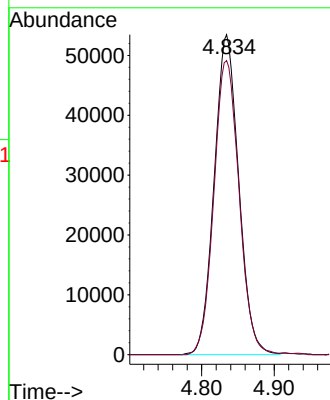
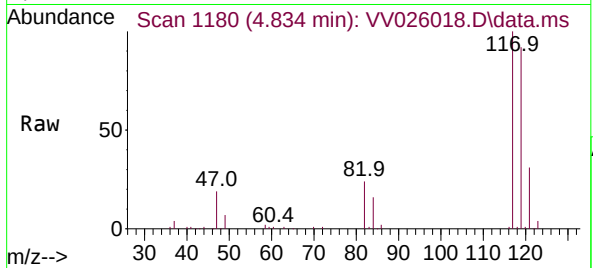




#31  
Carbon tetrachloride  
Concen: 4.771 ug/L  
RT: 4.834 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

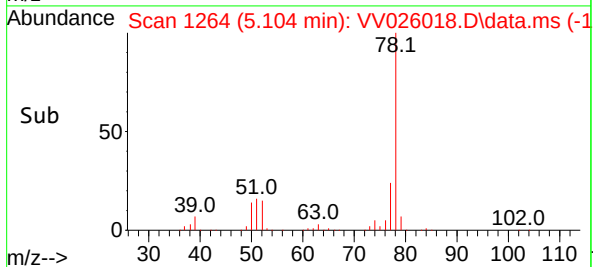
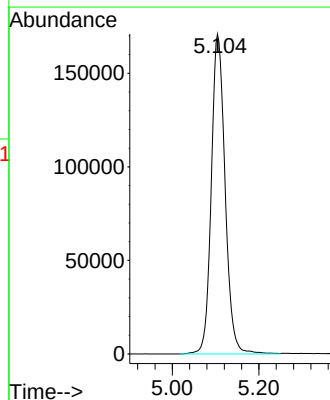
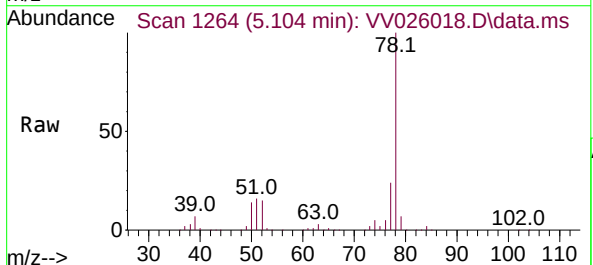
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

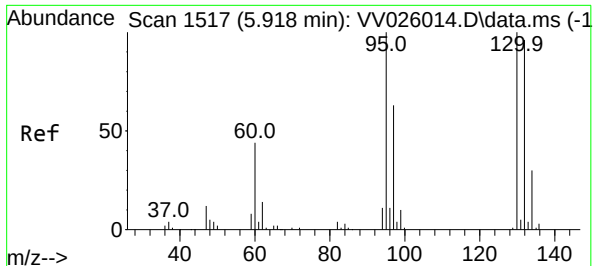
Tgt Ion:117 Resp: 125660  
Ion Ratio Lower Upper  
117 100  
119 94.4 78.7 118.1



#33  
Benzene  
Concen: 4.927 ug/L  
RT: 5.104 min Scan# 1264  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion: 78 Resp: 378429



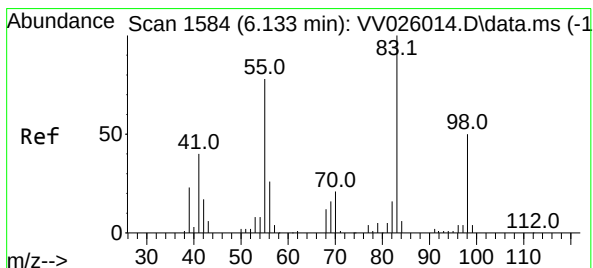
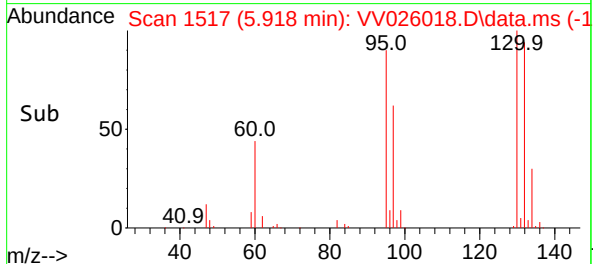
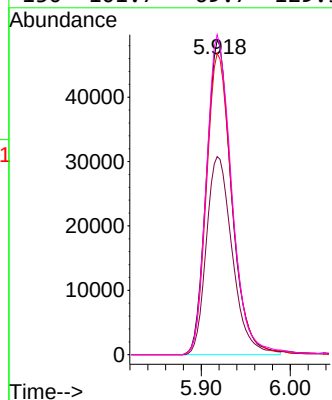
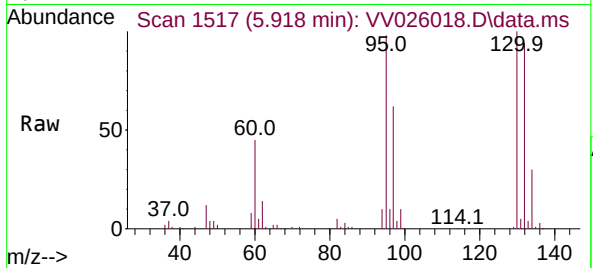


#34  
Trichloroethene  
Concen: 4.776 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

Tgt Ion: 95 Resp: 95853

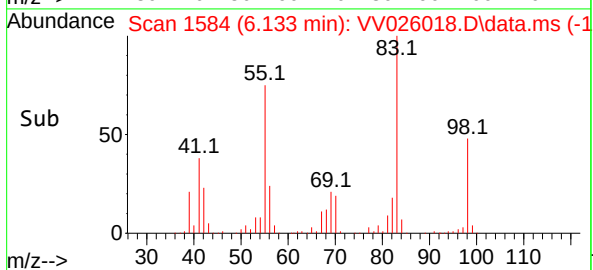
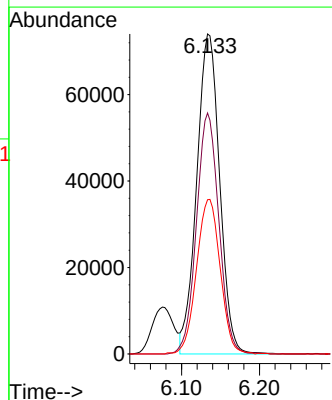
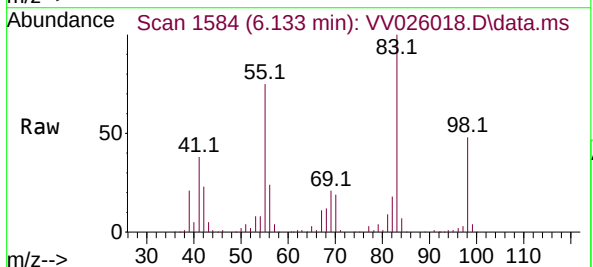
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.0  | 44.0  | 81.6  |
| 132 | 95.8  | 67.5  | 125.4 |
| 130 | 101.7 | 69.7  | 129.5 |



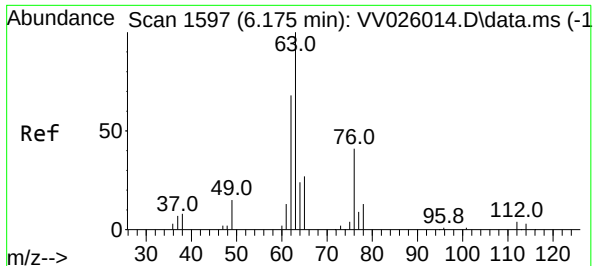
#35  
Methylcyclohexane  
Concen: 4.894 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion: 83 Resp: 151414

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 73.3  | 59.4  | 89.0  |
| 98  | 49.9  | 38.9  | 58.3  |







#37

1,2-Dichloropropane

Concen: 4.854 ug/L

RT: 6.178 min Scan# 1597

Delta R.T. 0.003 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

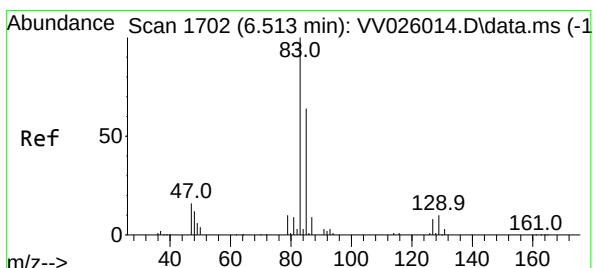
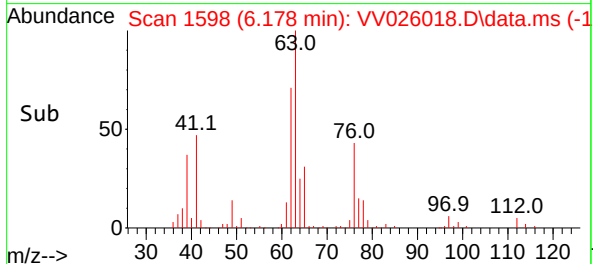
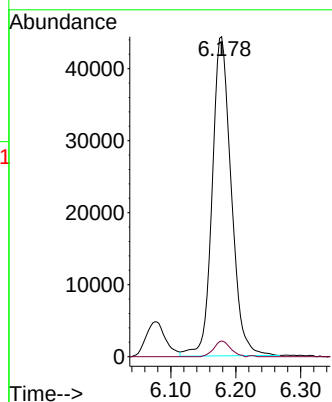
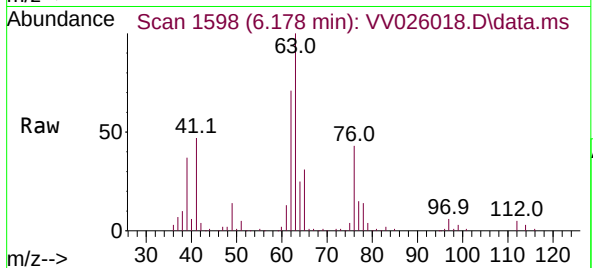
VSTD005298

Tgt Ion: 63 Resp: 90373

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 4.806 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

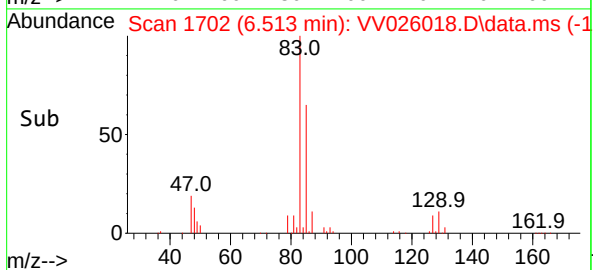
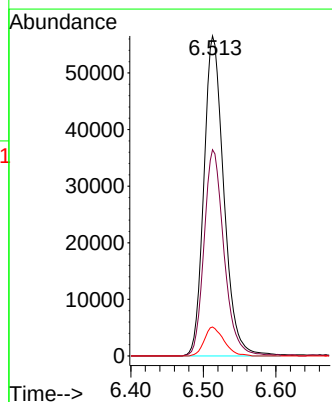
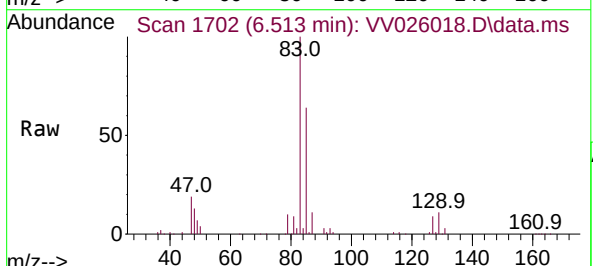
Tgt Ion: 83 Resp: 108082

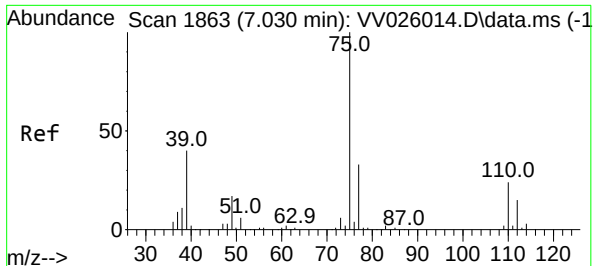
Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

127 9.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.925 ug/L

RT: 7.030 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

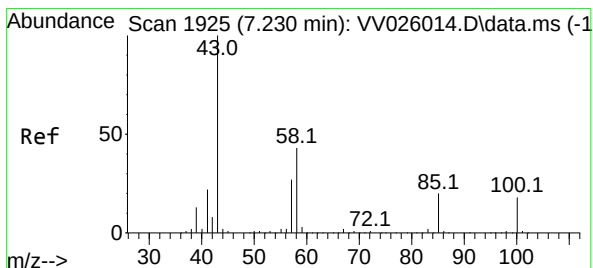
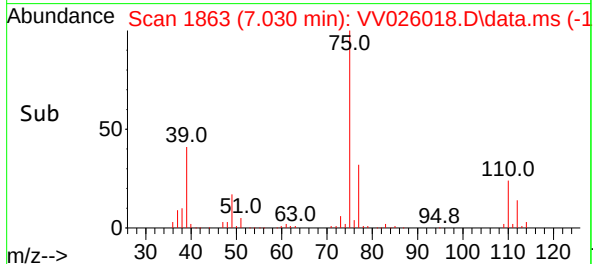
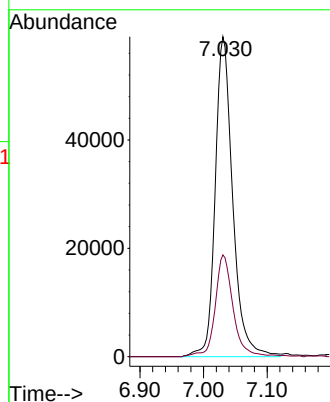
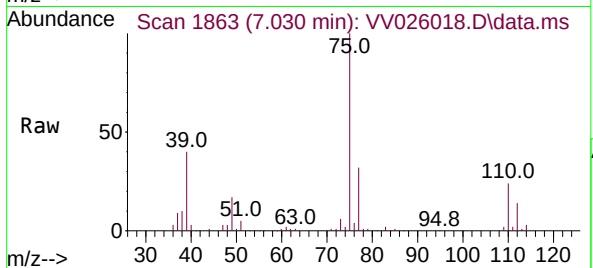
VSTD005298

Tgt Ion: 75 Resp: 112970

Ion Ratio Lower Upper

75 100

77 31.8 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 50.863 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

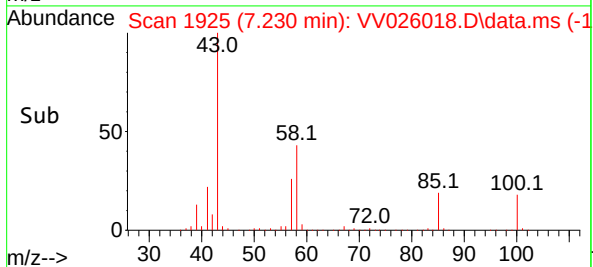
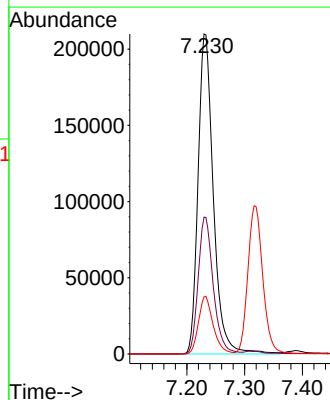
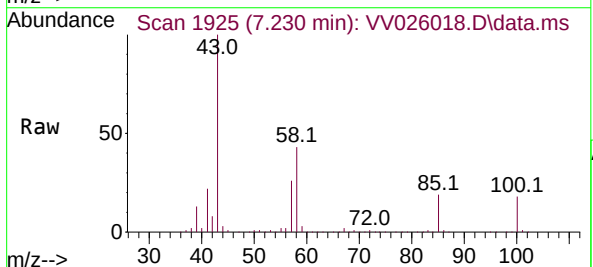
Tgt Ion: 43 Resp: 386798

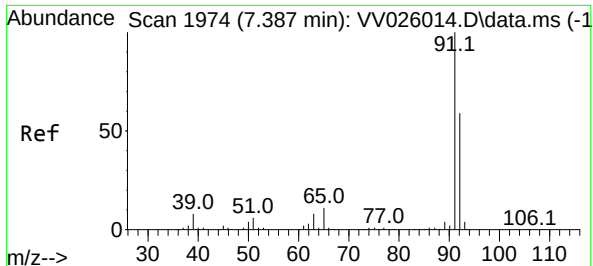
Ion Ratio Lower Upper

43 100

58 42.0 34.2 51.2

100 17.3 12.6 19.0





#42

Toluene

Concen: 5.025 ug/L

RT: 7.390 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

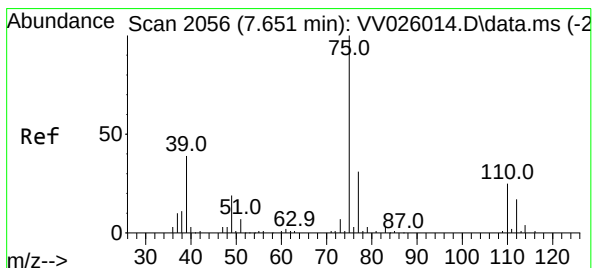
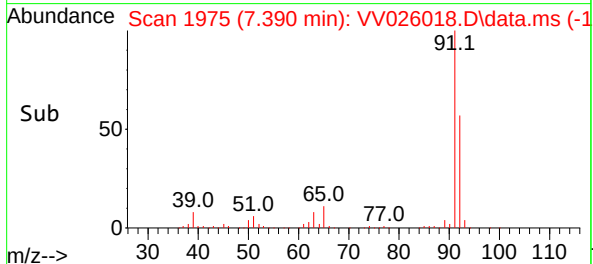
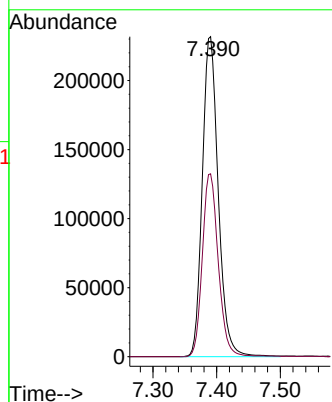
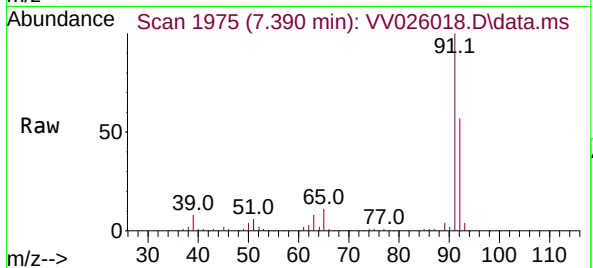
VSTD005298

Tgt Ion: 91 Resp: 403295

Ion Ratio Lower Upper

91 100

92 57.1 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 5.055 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV026018.D

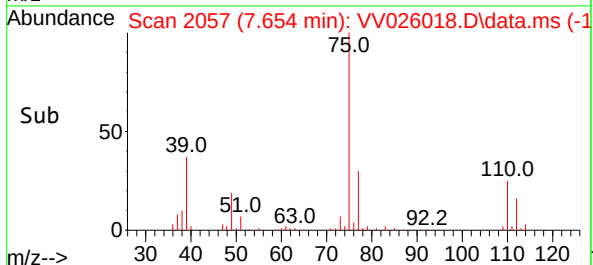
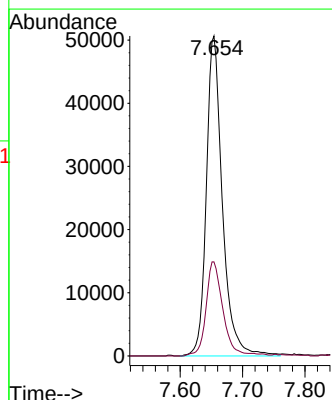
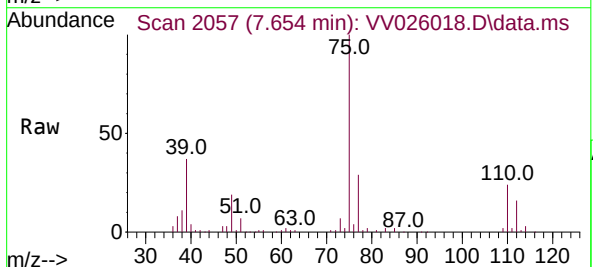
Acq: 08 Jun 2022 13:45

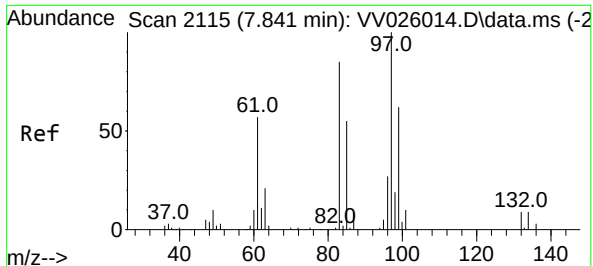
Tgt Ion: 75 Resp: 90853

Ion Ratio Lower Upper

75 100

77 29.4 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.769 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005298

Tgt Ion: 97 Resp: 57654

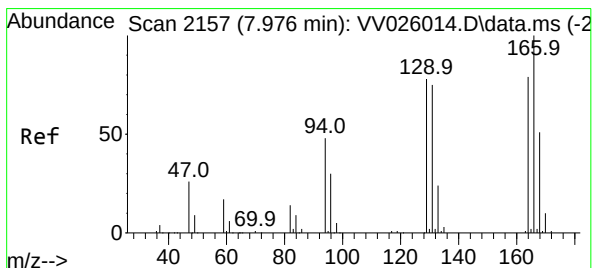
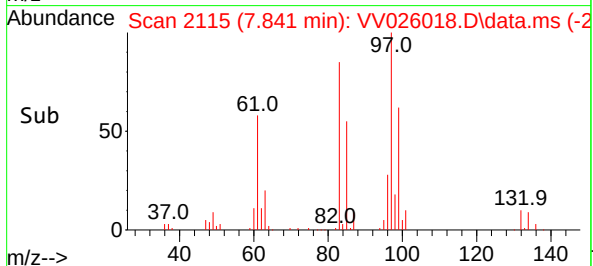
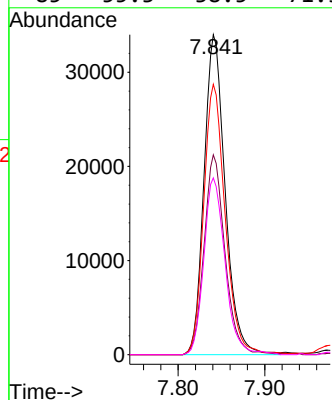
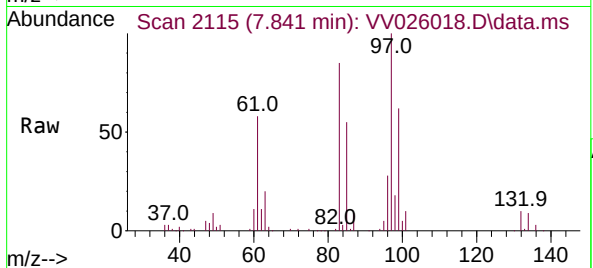
Ion Ratio Lower Upper

97 100

99 62.4 43.5 80.7

83 84.5 59.6 110.8

85 55.3 38.5 71.5



#47

Tetrachloroethene

Concen: 4.666 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Tgt Ion:164 Resp: 72475

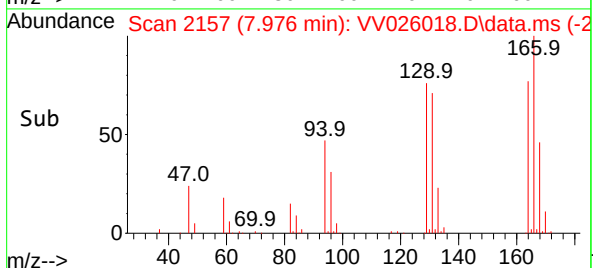
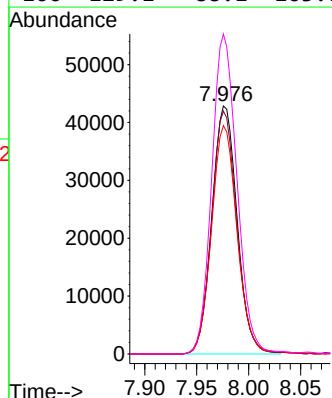
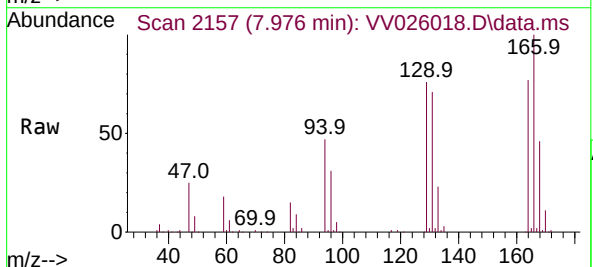
Ion Ratio Lower Upper

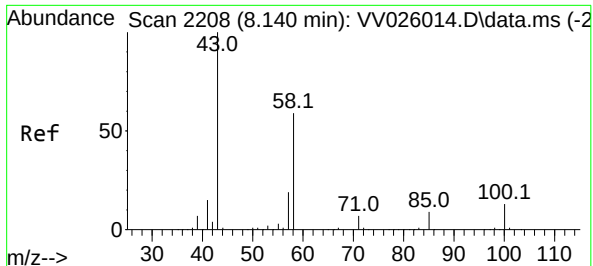
164 100

129 98.0 68.3 126.9

131 92.1 66.5 123.5

166 129.1 88.1 163.7

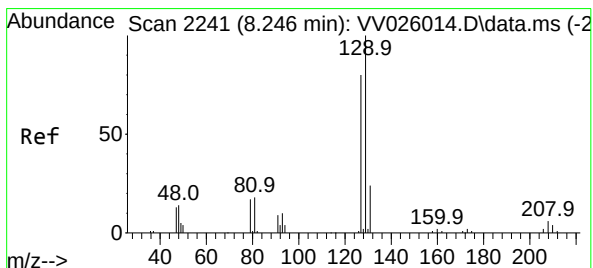
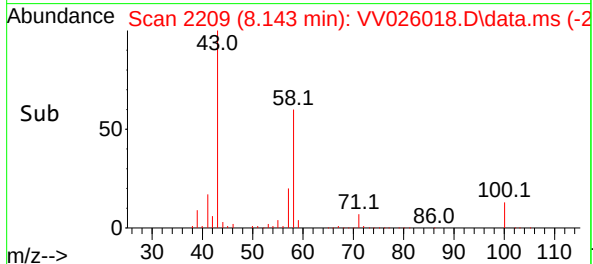
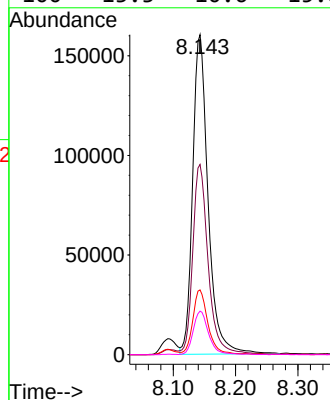
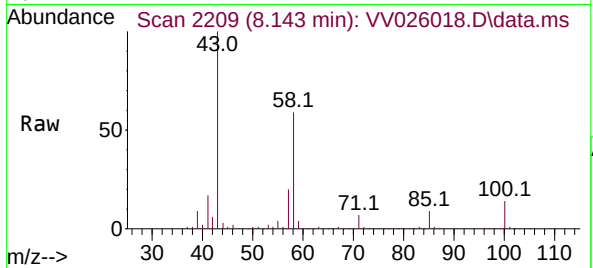




#48  
2-Hexanone  
Concen: 50.906 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. 0.003 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

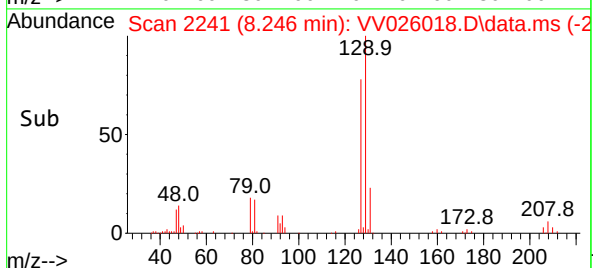
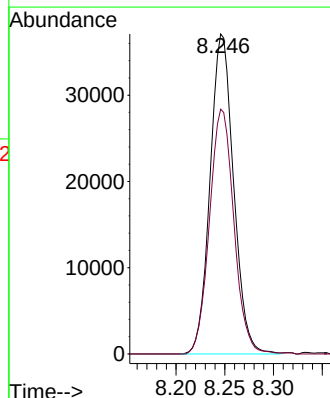
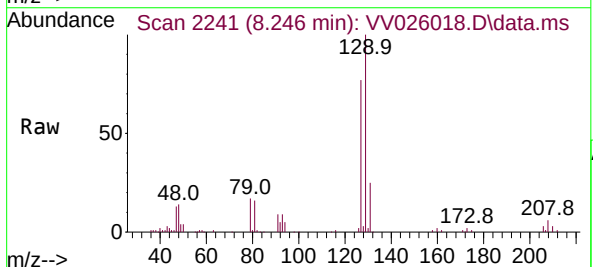
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

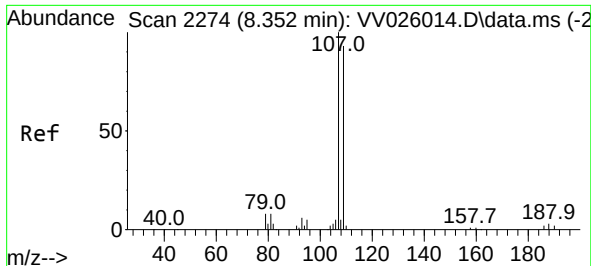
Tgt Ion: 43 Resp: 274792  
Ion Ratio Lower Upper  
43 100  
58 59.3 47.4 71.2  
57 19.3 15.5 23.3  
100 13.3 10.6 15.8



#49  
Dibromochloromethane  
Concen: 4.716 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion: 129 Resp: 62231  
Ion Ratio Lower Upper  
129 100  
127 76.5 55.9 103.7





#50

1,2-Dibromoethane

Concen: 4.724 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005298

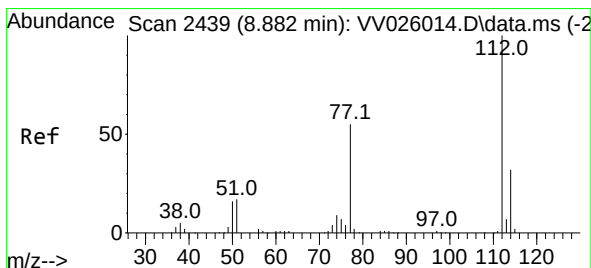
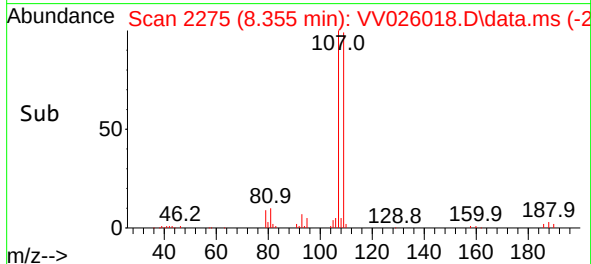
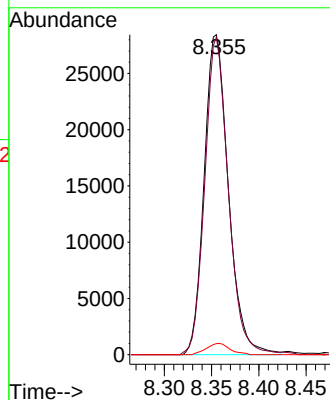
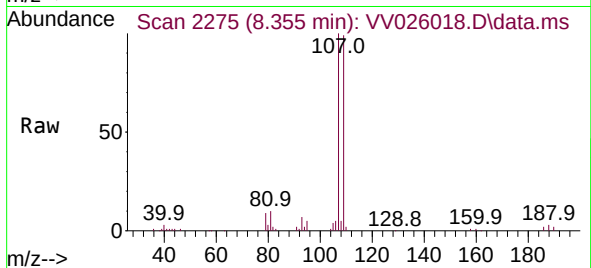
Tgt Ion:107 Resp: 50809

Ion Ratio Lower Upper

107 100

109 99.2 64.8 120.3

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 4.772 ug/L

RT: 8.882 min Scan# 2439

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

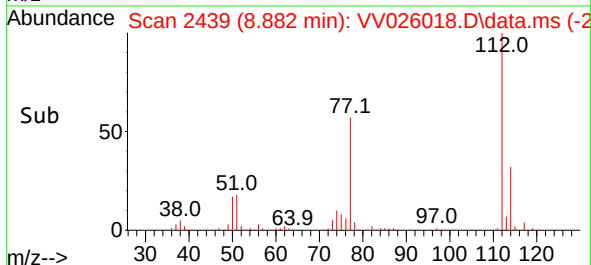
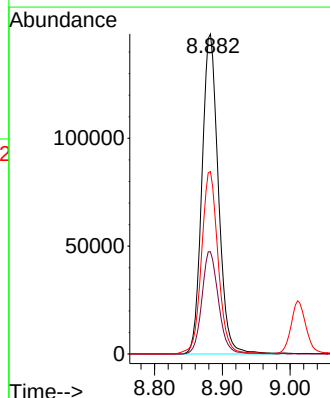
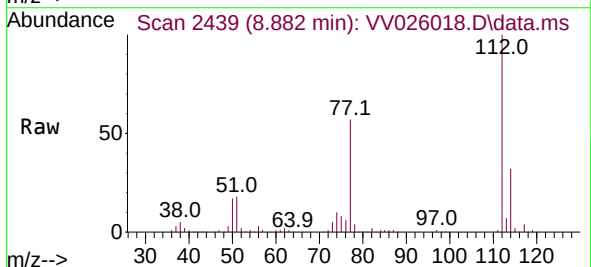
Tgt Ion:112 Resp: 249289

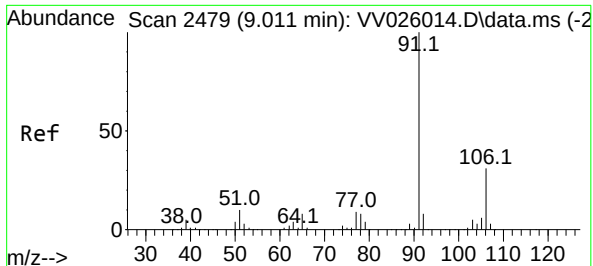
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

77 57.0 44.6 66.8





#52

Ethylbenzene

Concen: 4.976 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

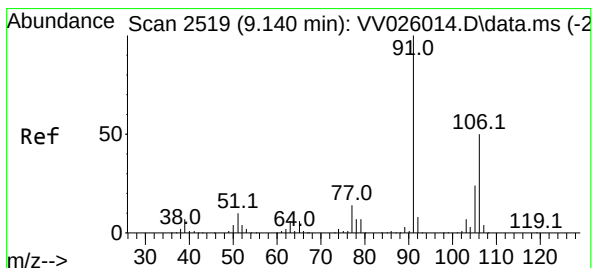
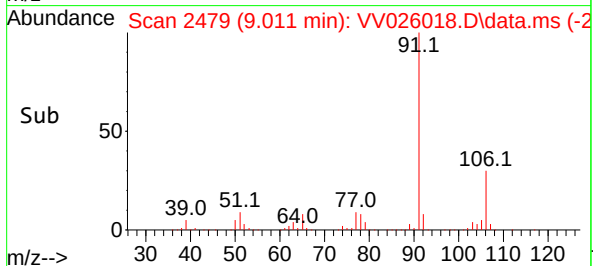
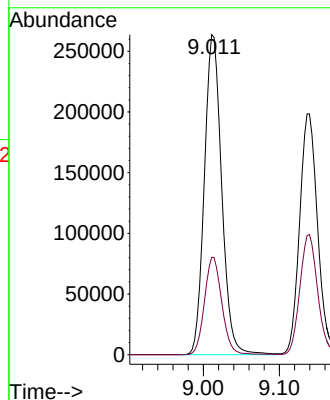
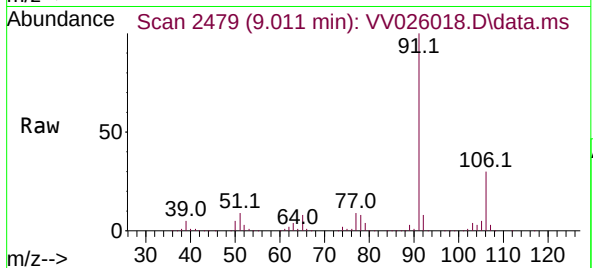
VSTD005298

Tgt Ion: 91 Resp: 418601

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.6



#53

m,p-Xylene

Concen: 4.933 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV026018.D

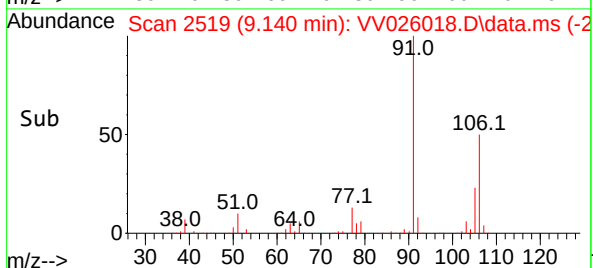
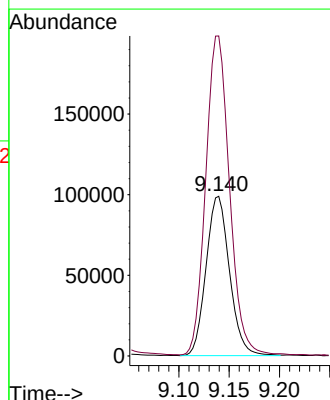
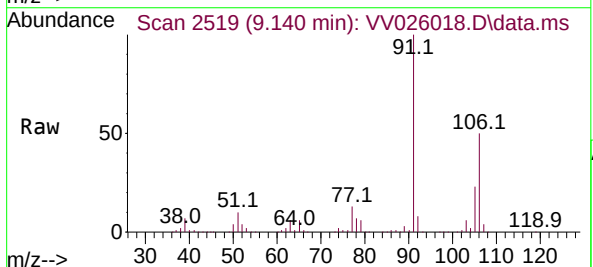
Acq: 08 Jun 2022 13:45

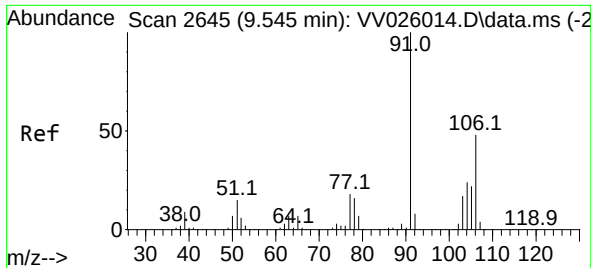
Tgt Ion: 106 Resp: 160414

Ion Ratio Lower Upper

106 100

91 200.3 140.4 260.8

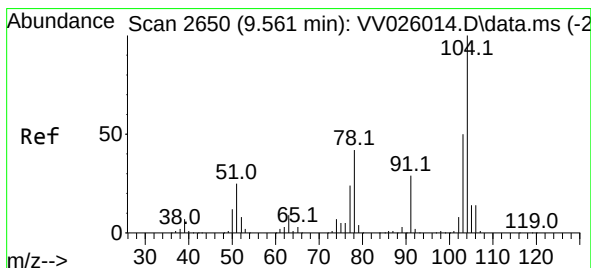
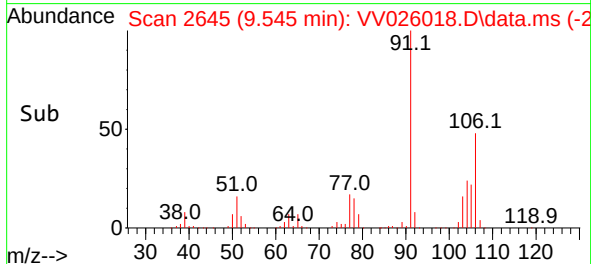
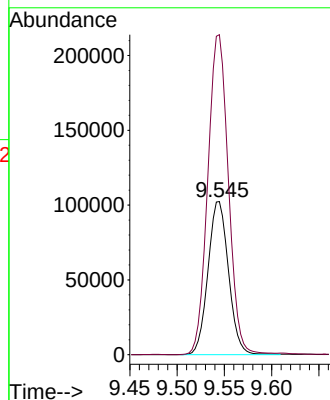
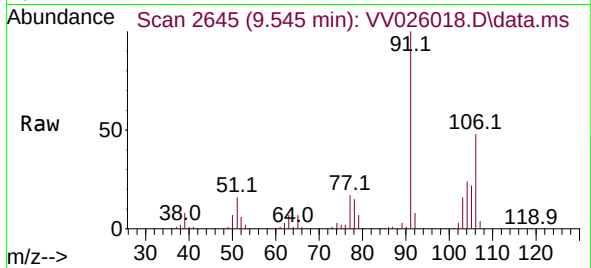




#54  
o-Xylene  
Concen: 5.009 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

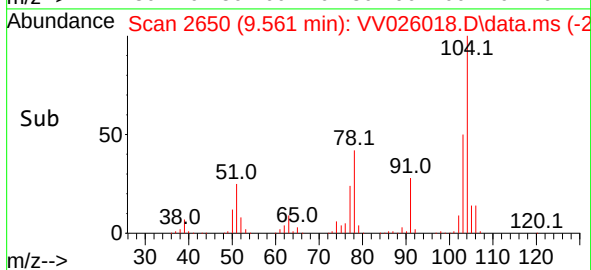
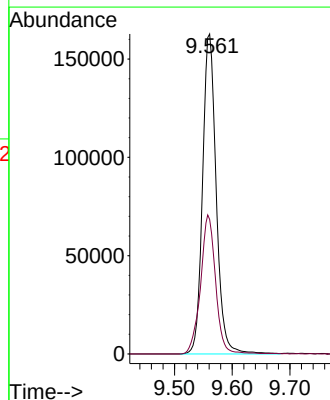
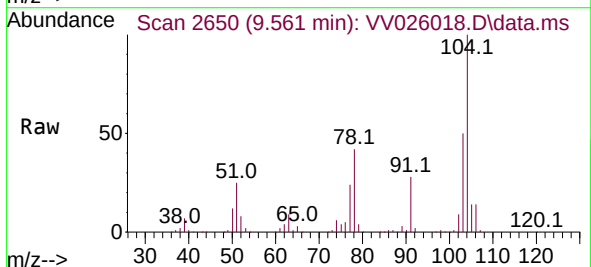
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

Tgt Ion:106 Resp: 154828  
Ion Ratio Lower Upper  
106 100  
91 209.1 145.4 270.0

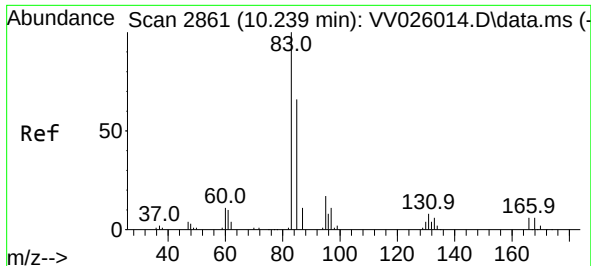


#55  
Styrene  
Concen: 5.159 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion:104 Resp: 267131  
Ion Ratio Lower Upper  
104 100  
78 42.0 29.1 54.1







#57

1,1,2,2-Tetrachloroethane

Concen: 4.681 ug/L

RT: 10.242 min Scan# 2862

Delta R.T. 0.003 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005298

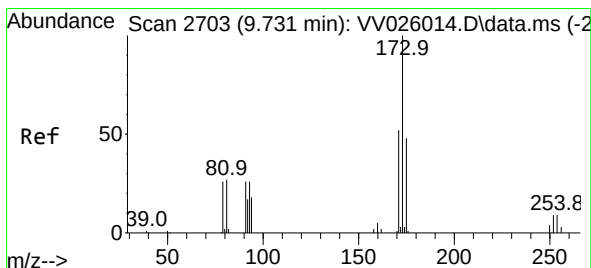
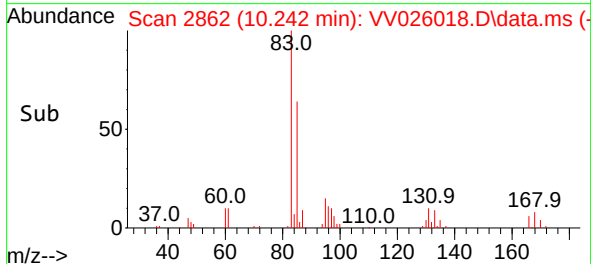
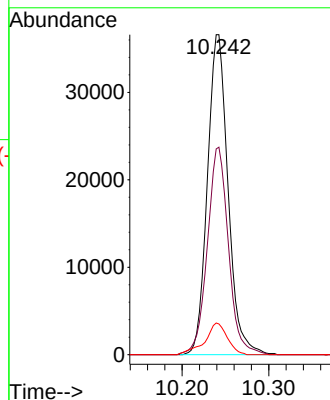
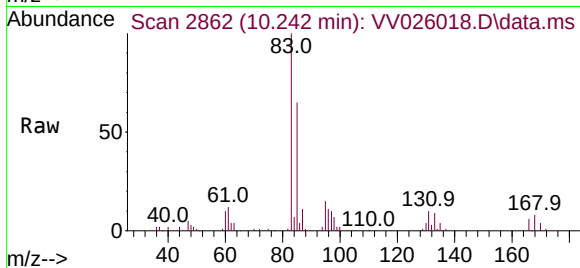
Tgt Ion: 83 Resp: 60588

Ion Ratio Lower Upper

83 100

85 64.9 46.4 86.2

131 9.6 7.1 10.7



#59

Bromoform

Concen: 4.843 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

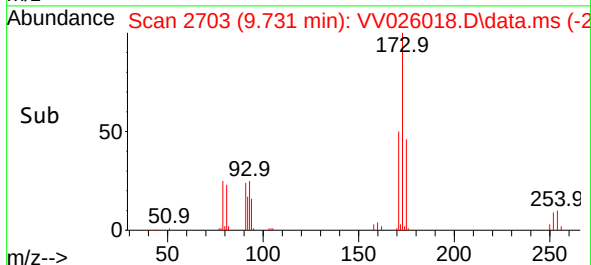
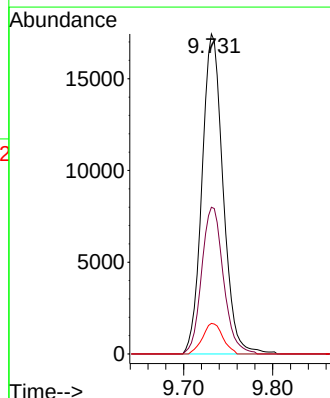
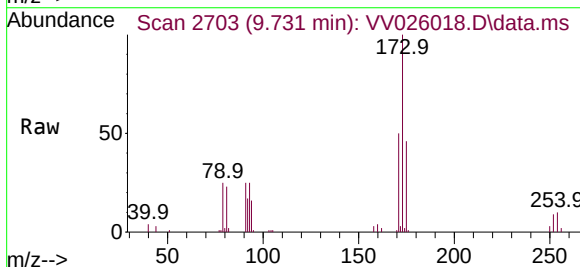
Tgt Ion: 173 Resp: 28634

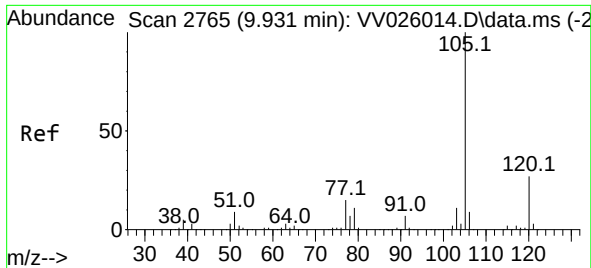
Ion Ratio Lower Upper

173 100

175 47.4 38.8 58.2

254 9.1 6.9 10.3

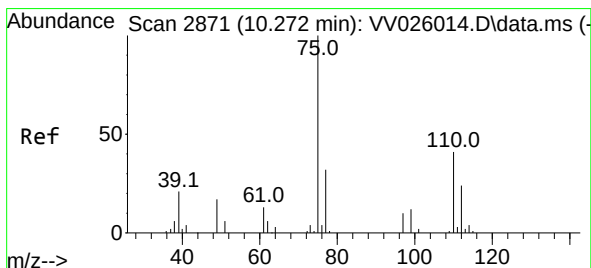
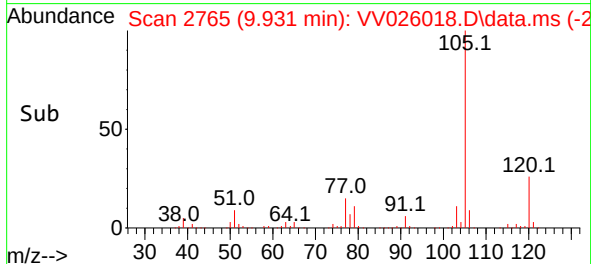
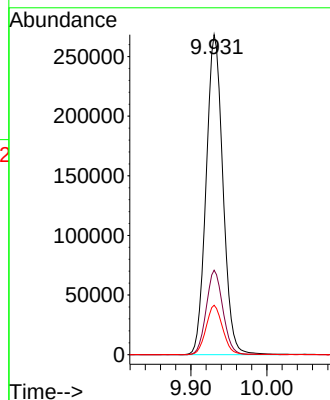
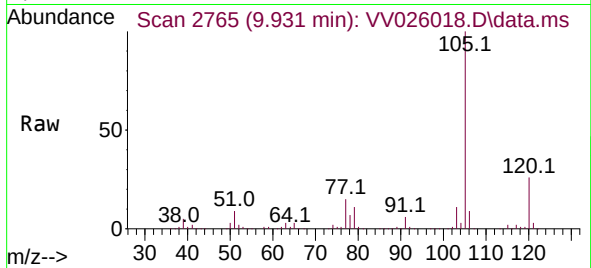




#60  
Isopropylbenzene  
Concen: 4.917 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

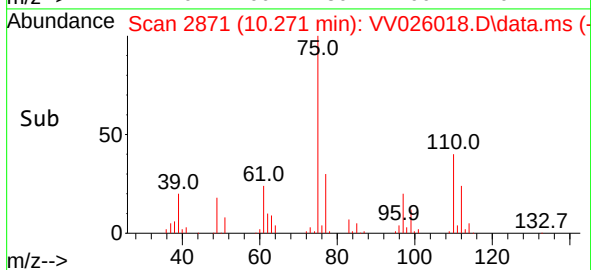
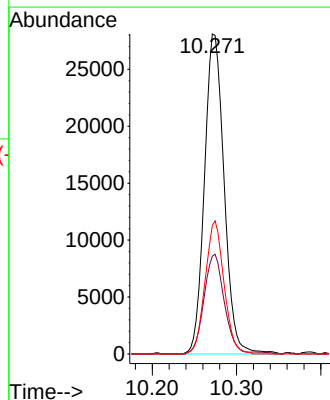
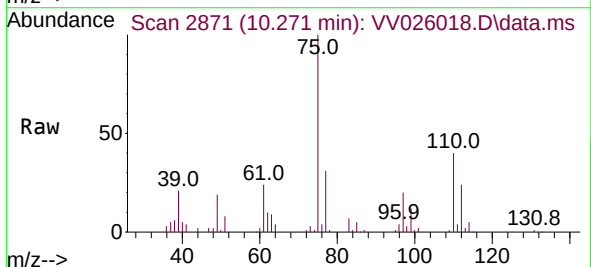
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

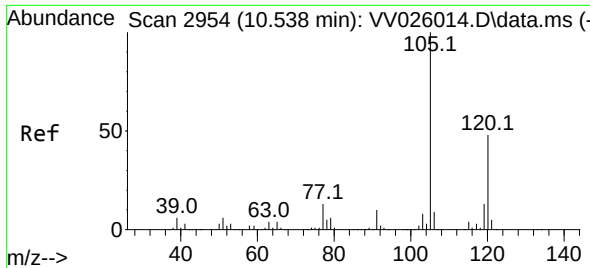
Tgt Ion:105 Resp: 411811  
Ion Ratio Lower Upper  
105 100  
120 26.2 21.3 31.9  
77 15.3 12.4 18.6



#61  
1,2,3-Trichloropropane  
Concen: 4.648 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion: 75 Resp: 45721  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.6 40.0  
110 39.8 32.0 48.0

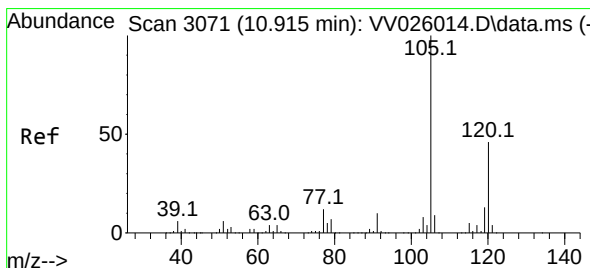
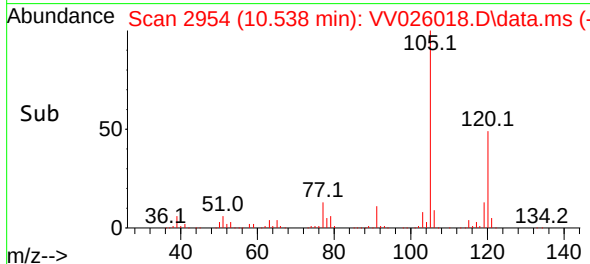
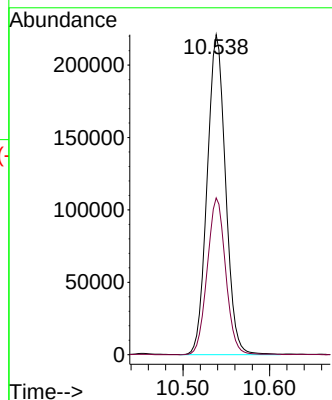
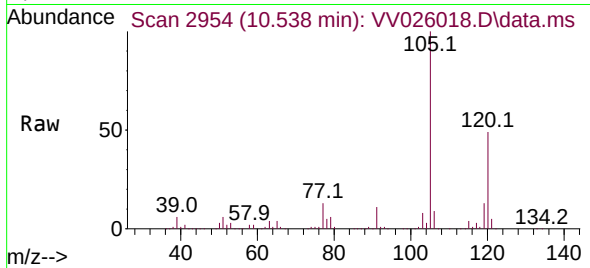




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.919 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. -0.000 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

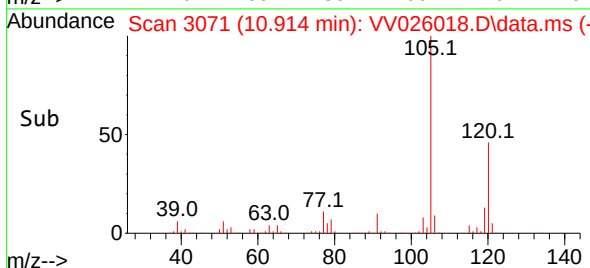
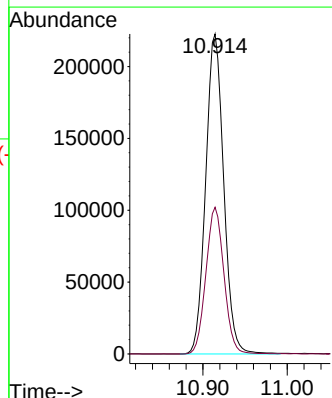
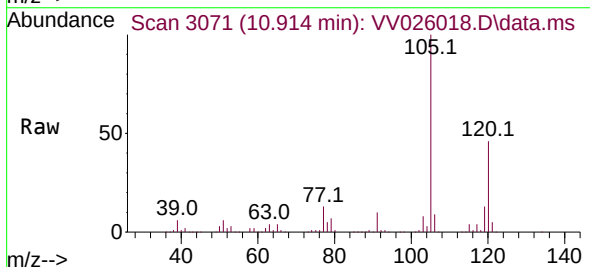
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005298

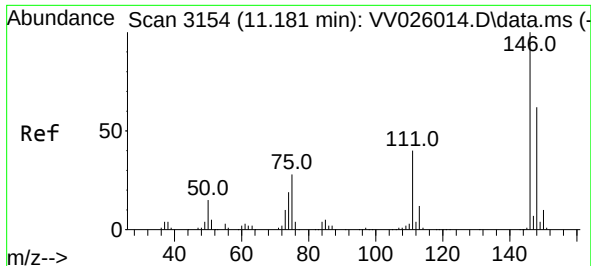
Tgt Ion:105 Resp: 326287  
 Ion Ratio Lower Upper  
 105 100  
 120 49.0 38.8 58.2



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.028 ug/L  
 RT: 10.914 min Scan# 3071  
 Delta R.T. -0.000 min  
 Lab File: VV026018.D  
 Acq: 08 Jun 2022 13:45

Tgt Ion:105 Resp: 332075  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 36.7 55.1

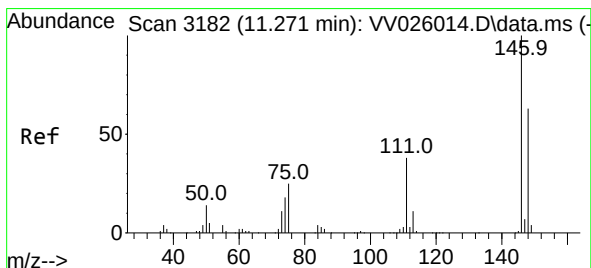
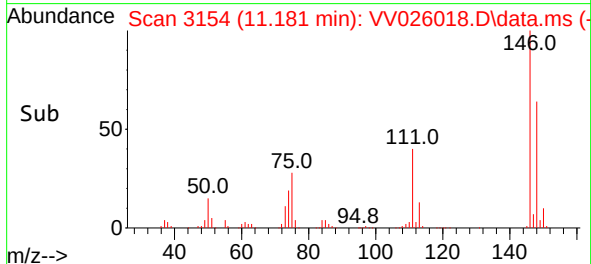
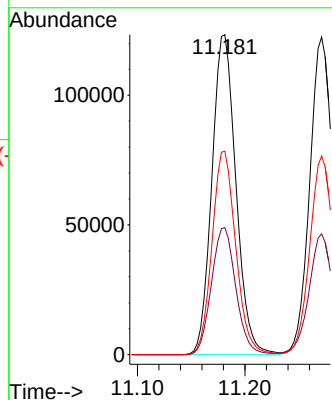
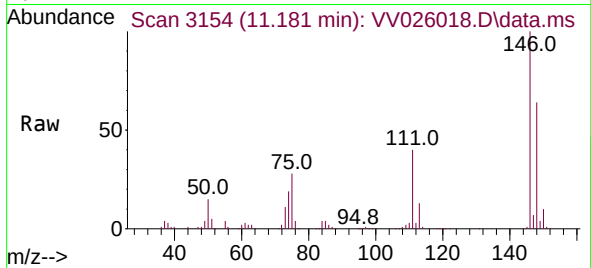




#64  
1,3-Dichlorobenzene  
Concen: 4.819 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

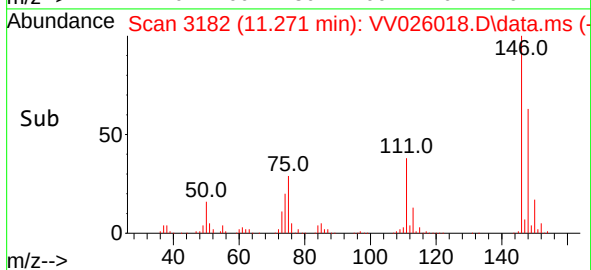
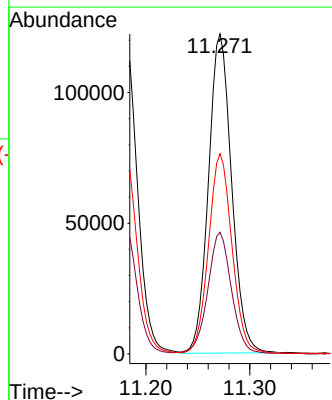
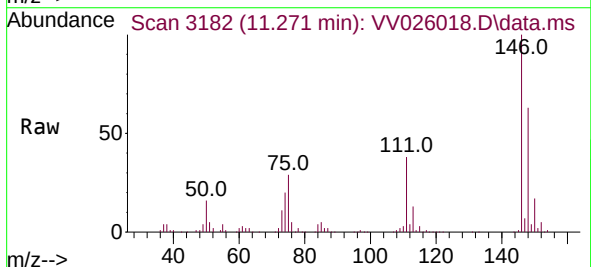
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

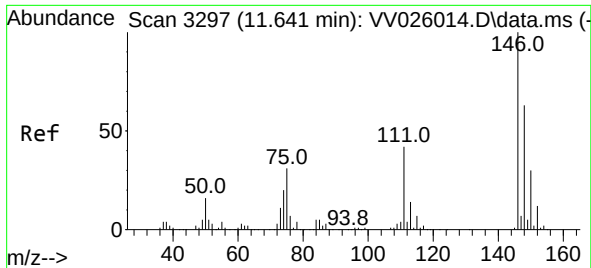
Tgt Ion:146 Resp: 191747  
Ion Ratio Lower Upper  
146 100  
111 39.7 27.9 51.9  
148 63.6 43.6 81.0



#65  
1,4-Dichlorobenzene  
Concen: 4.664 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion:146 Resp: 188978  
Ion Ratio Lower Upper  
146 100  
111 38.0 27.1 50.3  
148 62.6 43.8 81.4

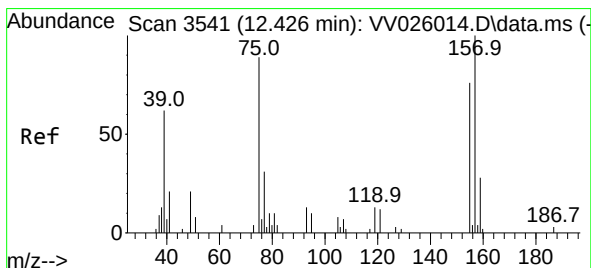
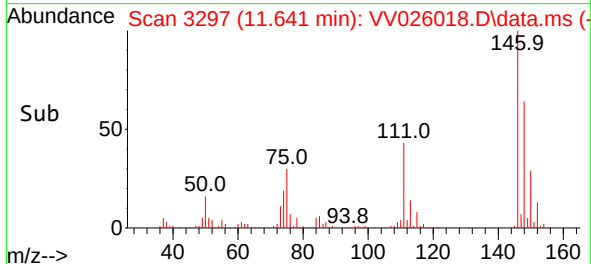
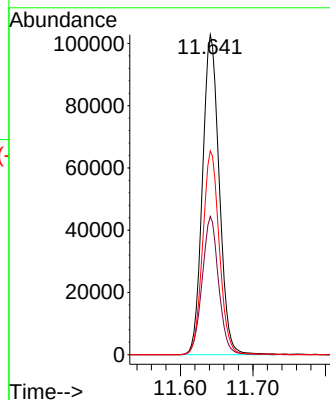
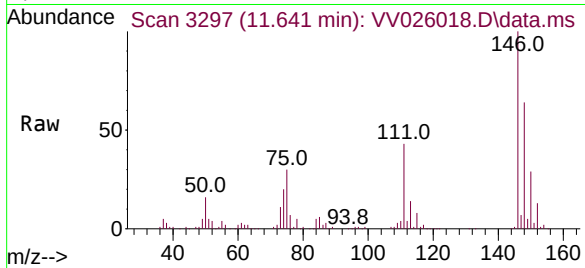




#67  
1,2-Dichlorobenzene  
Concen: 4.678 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

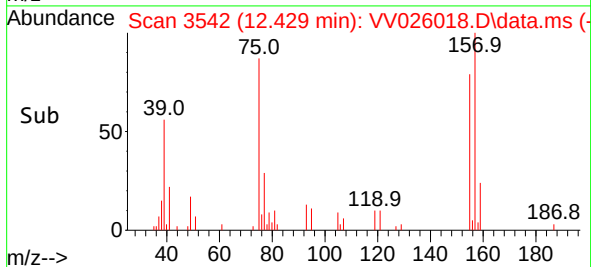
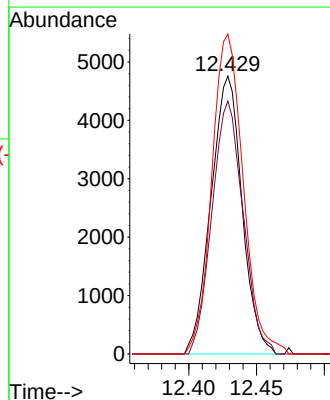
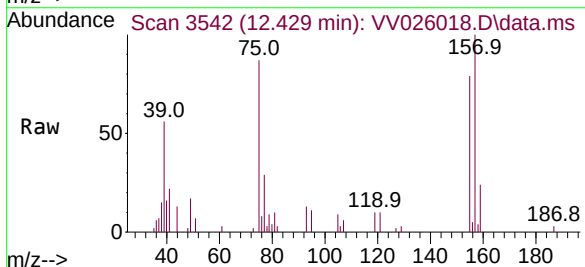
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

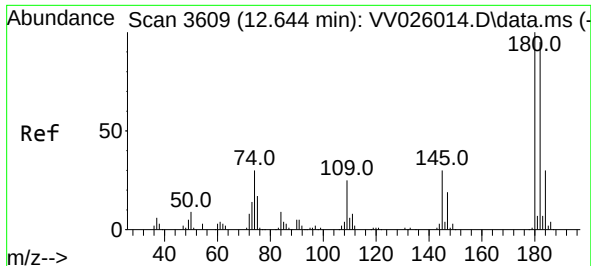
Tgt Ion:146 Resp: 164611  
Ion Ratio Lower Upper  
146 100  
111 43.2 33.9 50.9  
148 63.7 50.6 76.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.345 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.003 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion: 75 Resp: 7595  
Ion Ratio Lower Upper  
75 100  
155 91.0 68.0 102.0  
157 115.2 89.7 134.5





#69

1,3,5-Trichlorobenzene

Concen: 4.632 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005298

Tgt Ion:180 Resp: 133476

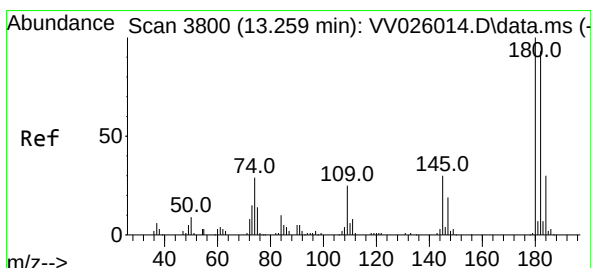
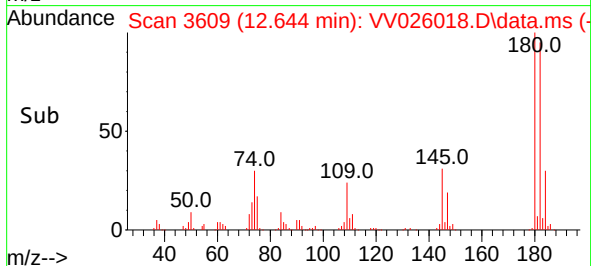
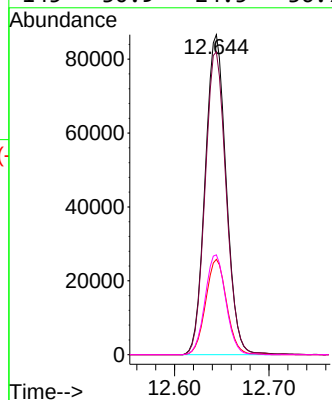
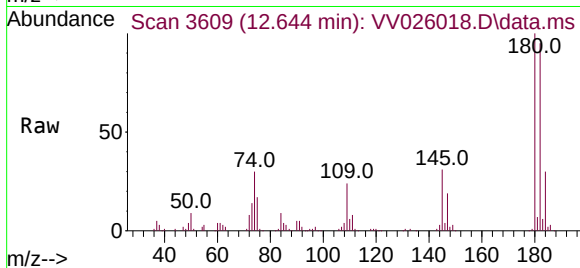
Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

184 29.9 24.0 36.0

145 30.9 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 4.588 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV026018.D

Acq: 08 Jun 2022 13:45

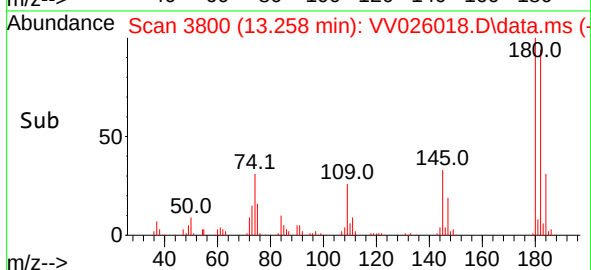
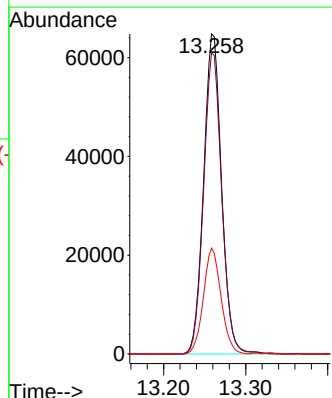
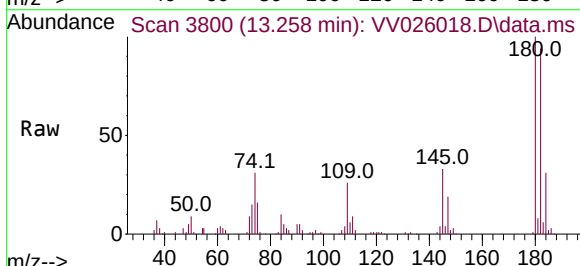
Tgt Ion:180 Resp: 98539

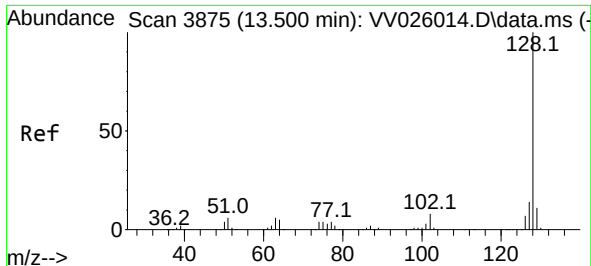
Ion Ratio Lower Upper

180 100

182 95.0 74.2 111.4

145 32.5 24.1 36.1

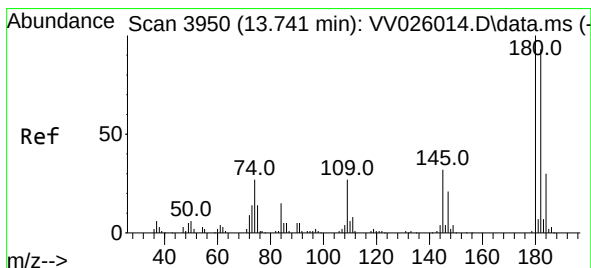
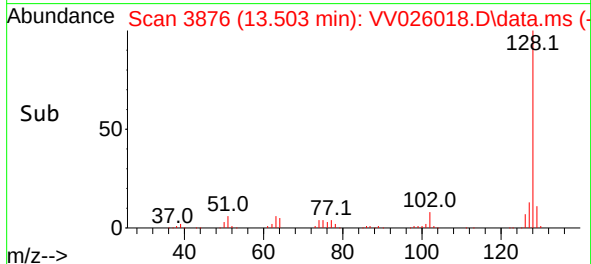
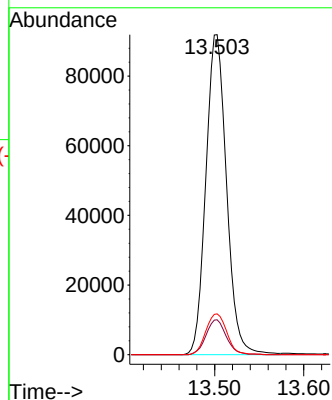
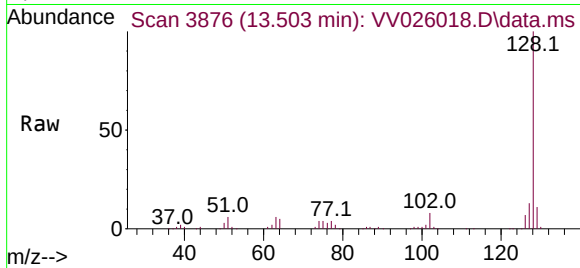




#71  
Naphthalene  
Concen: 4.846 ug/L  
RT: 13.503 min Scan# 3875  
Delta R.T. 0.003 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005298

Tgt Ion:128 Resp: 147893  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.7 13.1  
127 13.0 10.3 15.5



#72  
1,2,3-Trichlorobenzene  
Concen: 4.853 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV026018.D  
Acq: 08 Jun 2022 13:45

Tgt Ion:180 Resp: 88235  
Ion Ratio Lower Upper  
180 100  
182 93.0 74.0 111.0  
145 31.4 25.5 38.3

