

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031522\  
 Data File : VW025032.D  
 Acq On : 16 Mar 2022 05:29  
 Operator : SY/MD  
 Sample : N1933-03MSD  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GBDB4MSD

Quant Time: Mar 16 06:51:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 16 05:10:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 164489   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 156334   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 75165    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 59349    | 4.570    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.400%  |
| 7) Chloroethane-d5            | 1.571  | 69    | 44564    | 4.686    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 100980   | 4.811    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.200%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 97275    | 61.981   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 123.960% |
| 24) Chloroform-d              | 4.352  | 84    | 108344   | 5.030    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 44929    | 4.990    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.800%  |
| 32) Benzene-d6                | 5.050  | 84    | 217495   | 4.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 62306    | 4.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 197091   | 4.769    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 21266    | 4.678    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 80528    | 51.931   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 39541    | 5.154    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 62064    | 4.877    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 72190    | 4.967    | ug/L   | 99       |
| 3) Chloromethane              | 1.243  | 50    | 67098    | 4.895    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.314  | 62    | 72322    | 5.001    | ug/L   | 99       |
| 6) Bromomethane               | 1.526  | 94    | 45155    | 4.832    | ug/L   | 98       |
| 8) Chloroethane               | 1.587  | 64    | 42604    | 4.858    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 99283    | 5.048    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101   | 54087    | 5.071    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 54503    | 5.201    | ug/L   | 98       |
| 13) Acetone                   | 2.182  | 43    | 67386    | 64.200   | ug/L   | 82       |
| 14) Carbon disulfide          | 2.298  | 76    | 180897   | 4.825    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.442  | 43    | 12980    | 4.514    | ug/L   | 96       |
| 16) Methylene chloride        | 2.510  | 84    | 60959    | 4.801    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 116228   | 5.092    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96    | 63246    | 5.015    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.195  | 63    | 110328   | 5.141    | ug/L   | 100      |
| 21) 2-Butanone                | 3.973  | 43    | 100570   | 60.707   | ug/L   | 80       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 66692    | 5.238    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.256  | 128   | 26614    | 5.302    | ug/L   | 97       |
| 25) Chloroform                | 4.378  | 83    | 122829   | 5.497    | ug/L   | 95       |

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 Acq On : 16 Mar 2022 05:29  
 Operator : SY/MD  
 Sample : N1933-03MSD  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 48 Sample Multiplier: 1

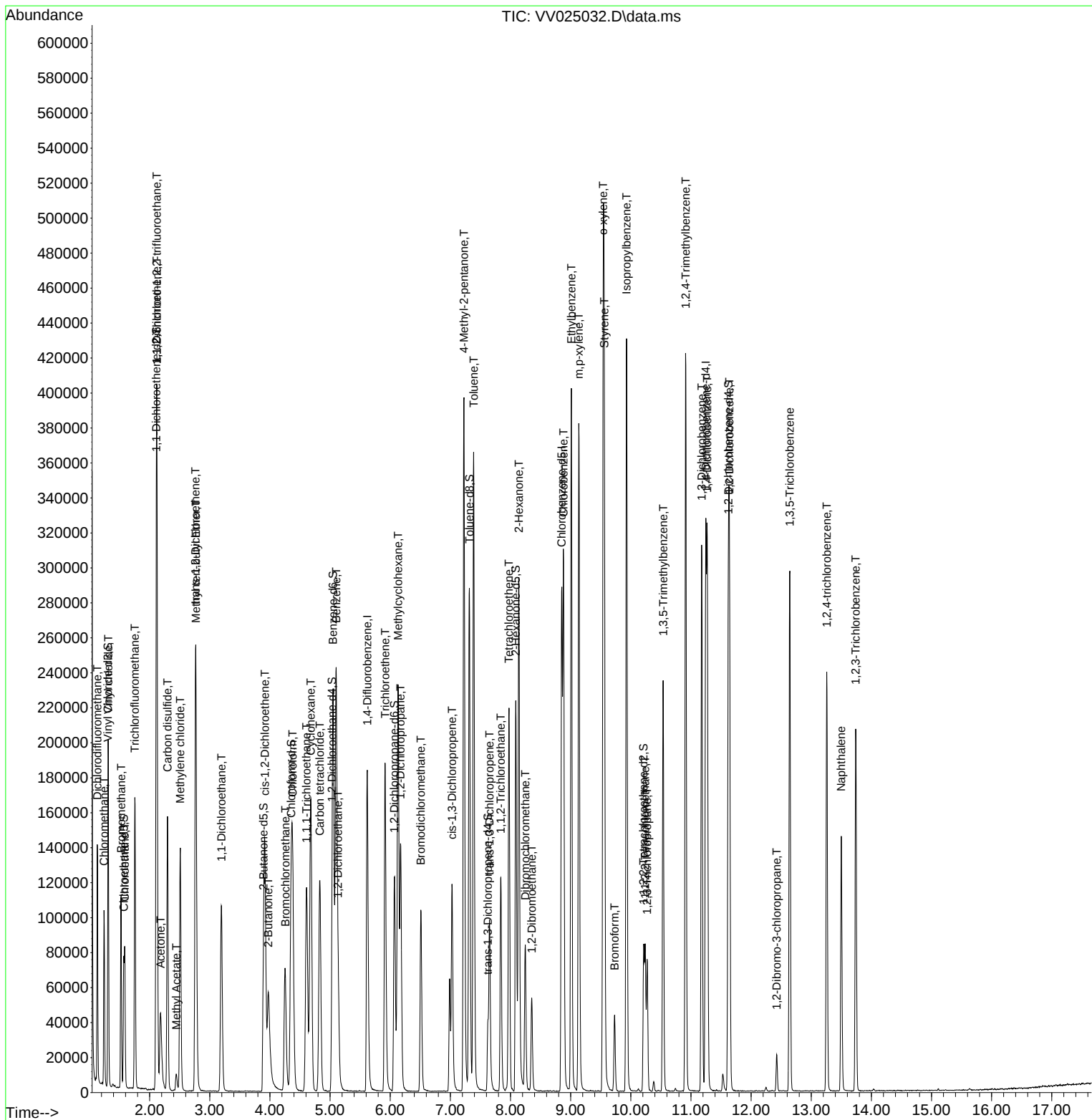
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 MSVOA\_V  
 ClientSampleId :  
 GBDB4MSD

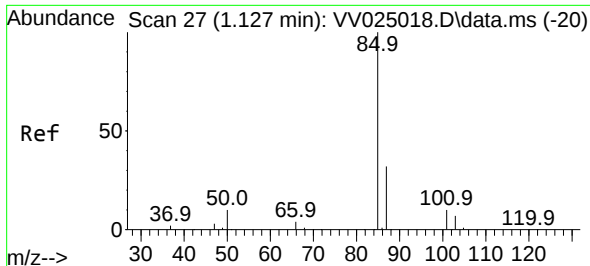
Quant Time: Mar 16 06:51:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 16 05:10:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 56296    | 5.066  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 98409    | 4.936  | ug/L  | 98       |
| 30) Cyclohexane               | 4.677  | 56   | 94223    | 4.858  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 93699    | 5.478  | ug/L  | 99       |
| 33) Benzene                   | 5.101  | 78   | 252841   | 4.972  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 67152    | 4.960  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.130  | 83   | 101724   | 4.746  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 59149    | 5.062  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 72906    | 4.934  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 78589    | 4.844  | ug/L  | 94       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 252120   | 52.435 | ug/L  | 98       |
| 42) Toluene                   | 7.387  | 91   | 273723   | 5.144  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 60863    | 4.767  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 38877    | 4.981  | ug/L  | 96       |
| 47) Tetrachloroethene         | 7.976  | 164  | 47049    | 4.940  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 175107   | 51.368 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 43164    | 4.941  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 36338    | 5.087  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.883  | 112  | 167943   | 5.040  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 287705   | 5.111  | ug/L  | 99       |
| 53) m,p-xylene                | 9.136  | 106  | 109799   | 5.065  | ug/L  | 99       |
| 54) o-xylene                  | 9.542  | 106  | 106014   | 5.114  | ug/L  | 94       |
| 55) Styrene                   | 9.561  | 104  | 169981   | 5.035  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 40526    | 5.296  | ug/L  | 96       |
| 59) Bromoform                 | 9.731  | 173  | 18830    | 4.651  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 283640   | 5.004  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 30654    | 4.849  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 126934   | 4.935  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 232436   | 5.102  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 124282   | 5.054  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 123095   | 4.966  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 110650   | 5.079  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 5279     | 4.872  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 84331    | 4.855  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 67323    | 4.975  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 112642   | 5.013  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 57933    | 5.052  | ug/L  | 99       |

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

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QLast Update : Wed Mar 16 05:10:39 2022  
Response via : Initial Calibration

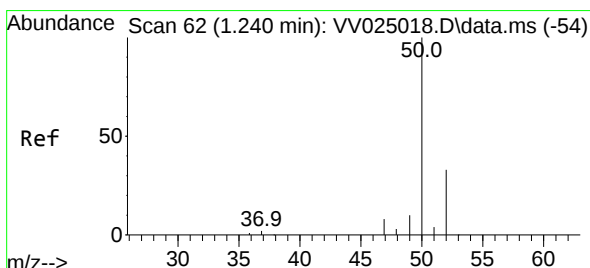
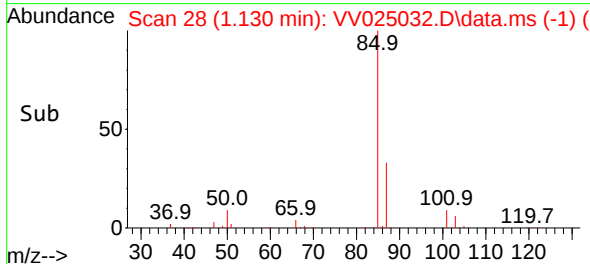
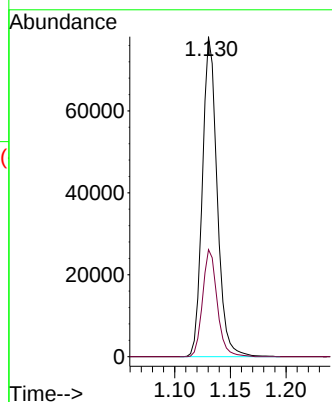
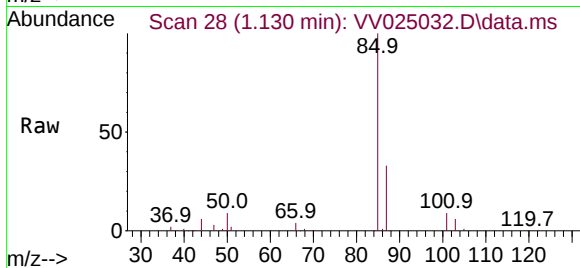




#2  
 Dichlorodifluoromethane  
 Concen: 4.967 ug/L  
 RT: 1.130 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

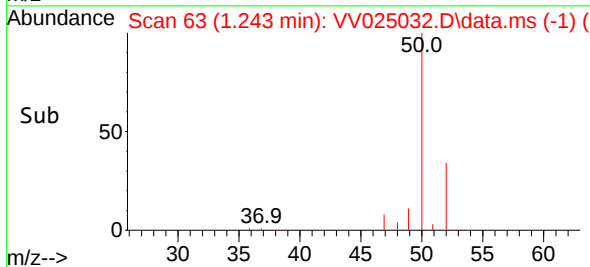
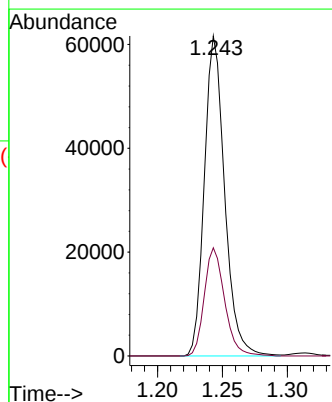
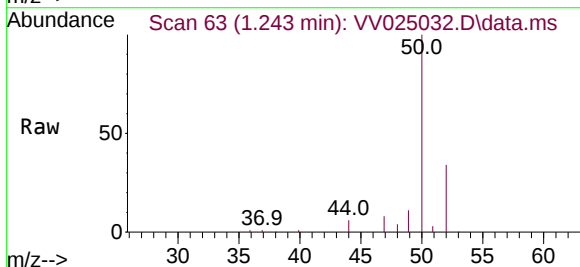
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GBDB4MSD

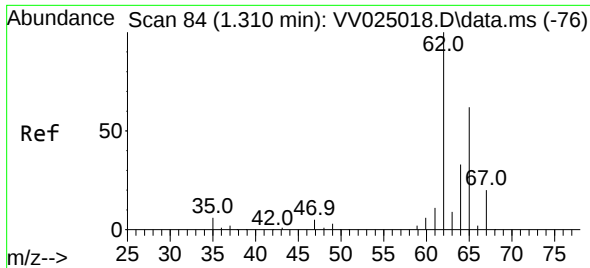
Tgt Ion: 85 Resp: 72190  
 Ion Ratio Lower Upper  
 85 100  
 87 33.0 26.7 40.1



#3  
 Chloromethane  
 Concen: 4.895 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

Tgt Ion: 50 Resp: 67098  
 Ion Ratio Lower Upper  
 50 100  
 52 33.8 23.2 43.2

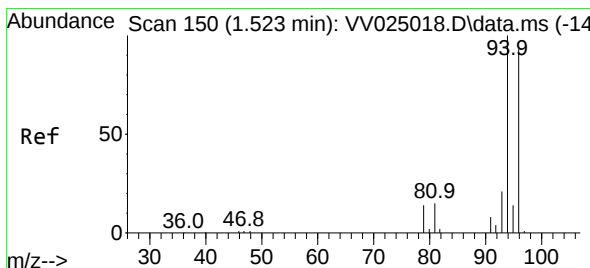
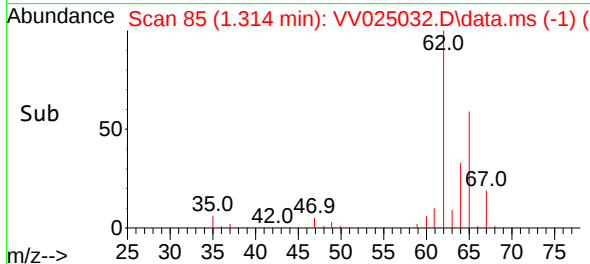
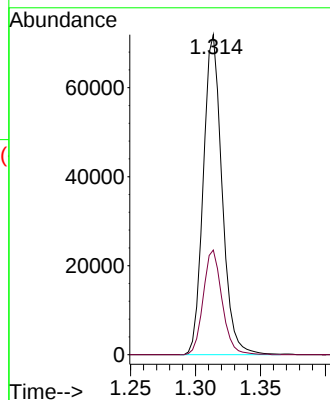
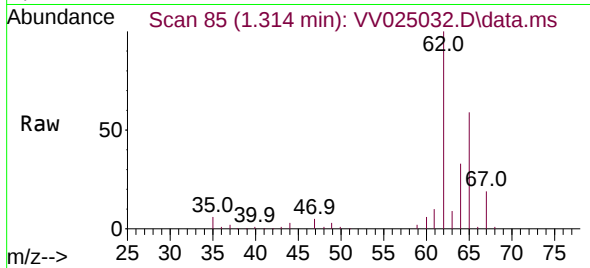




#5  
 Vinyl chloride  
 Concen: 5.001 ug/L  
 RT: 1.314 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

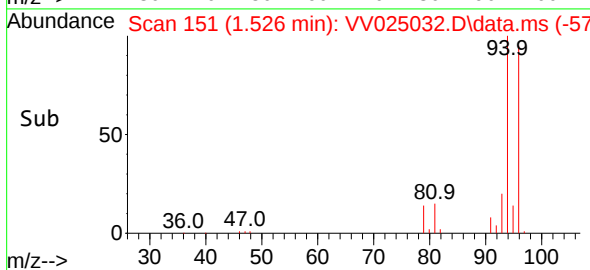
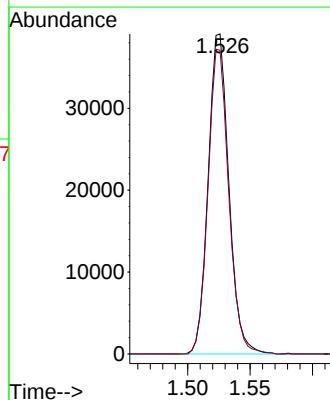
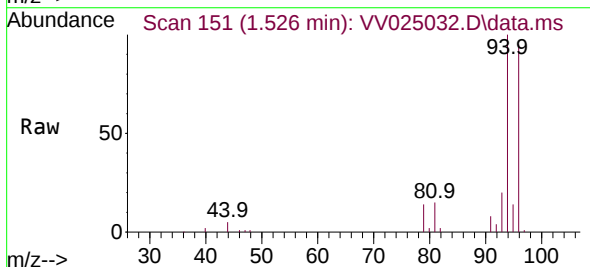
Instrument :  
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 ClientSampleId :  
 GBDB4MSD

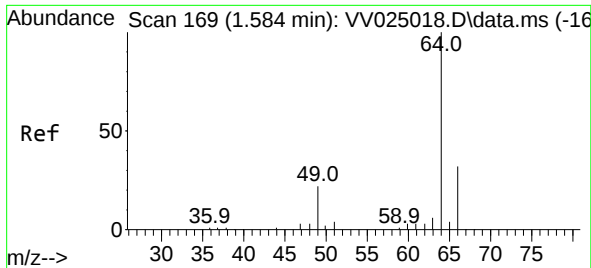
Tgt Ion: 62 Resp: 72322  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 23.4 43.4



#6  
 Bromomethane  
 Concen: 4.832 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

Tgt Ion: 94 Resp: 45155  
 Ion Ratio Lower Upper  
 94 100  
 96 94.9 64.9 120.5

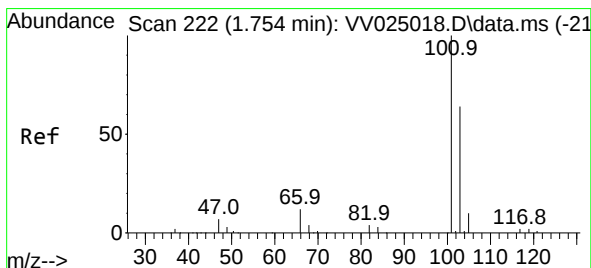
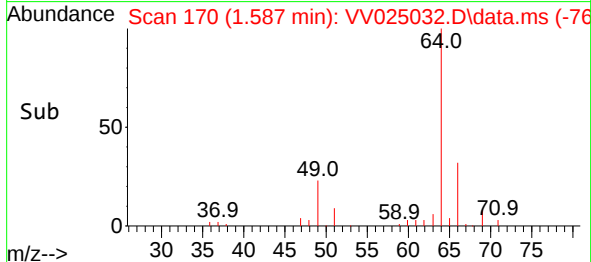
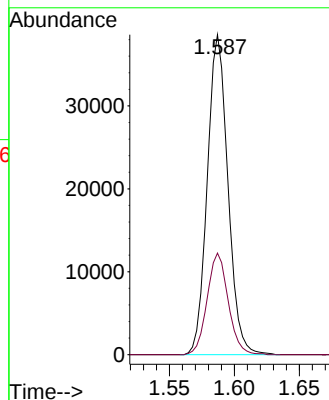
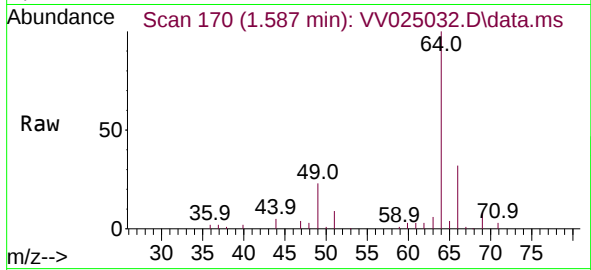




#8  
Chloroethane  
Concen: 4.858 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

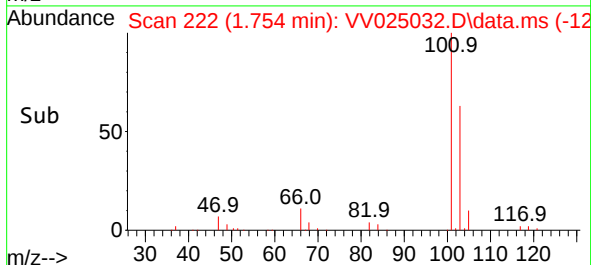
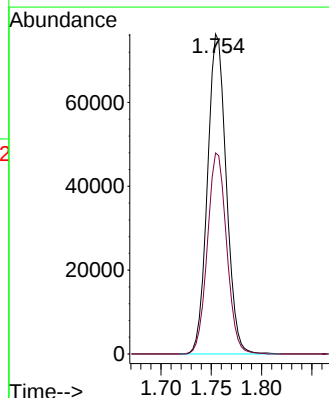
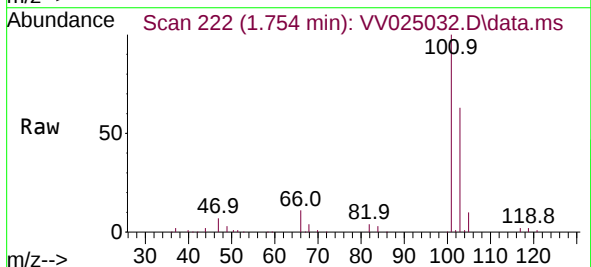
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

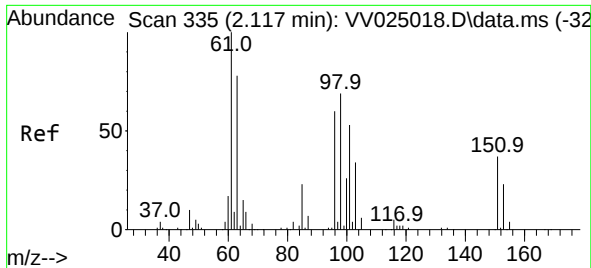
Tgt Ion: 64 Resp: 42604  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.5 41.7



#9  
Trichlorofluoromethane  
Concen: 5.048 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion:101 Resp: 99283  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.5 77.3

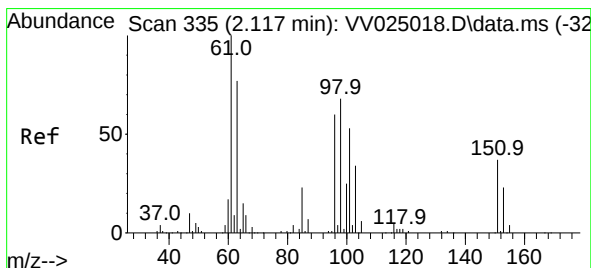
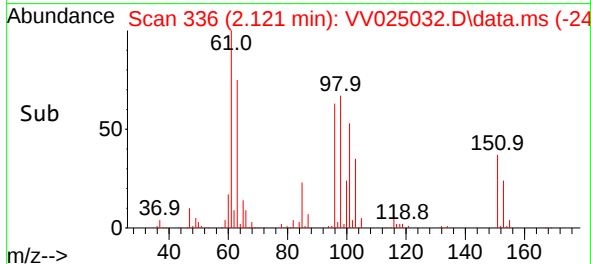
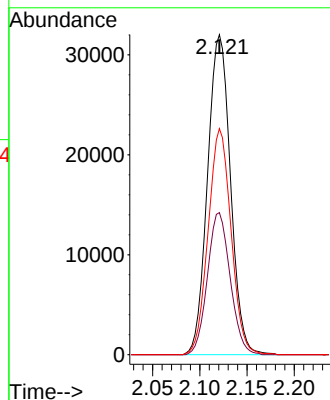
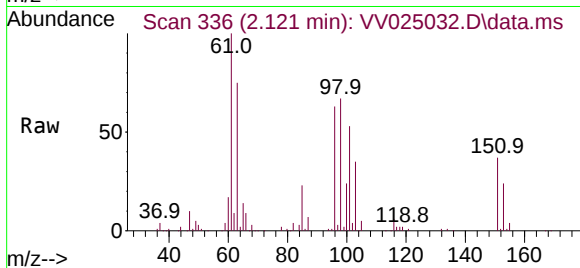




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.071 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

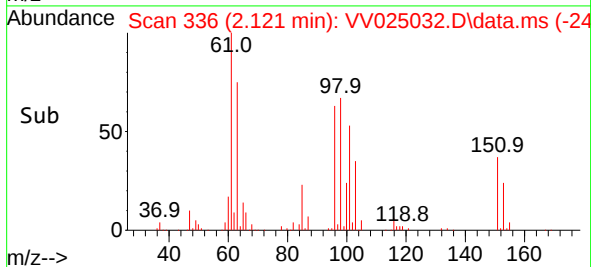
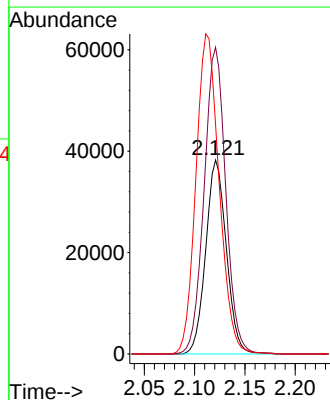
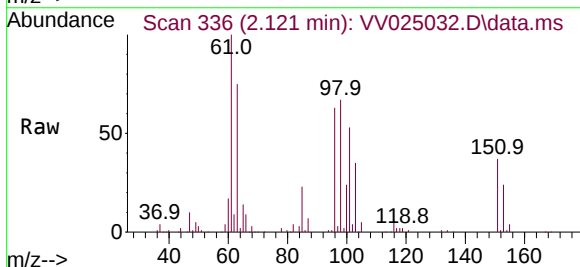
Instrument :  
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 ClientSampleId :  
 GBDB4MSD

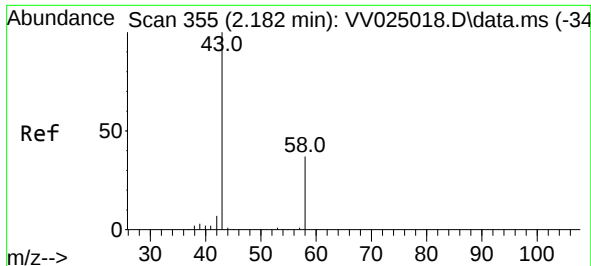
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 Ion Ratio Lower Upper  
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 85 44.0 34.8 52.2  
 151 70.5 55.6 83.4



#12  
 1,1-Dichloroethene  
 Concen: 5.201 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

Tgt Ion: 96 Resp: 54503  
 Ion Ratio Lower Upper  
 96 100  
 61 158.2 113.0 209.9  
 63 118.5 82.1 152.5





#13

Acetone

Concen: 64.200 ug/L

RT: 2.182 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

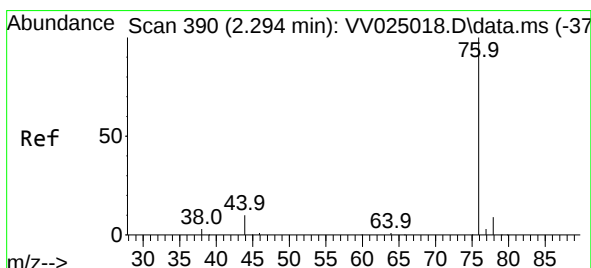
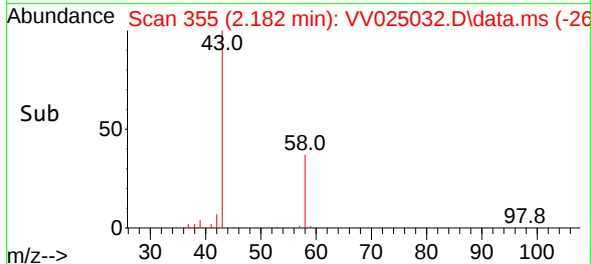
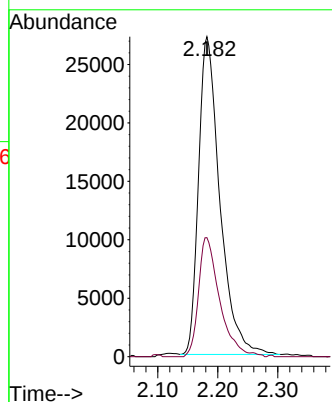
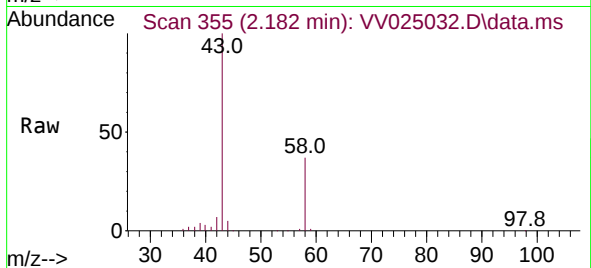
GBDB4MSD

Tgt Ion: 43 Resp: 67386

Ion Ratio Lower Upper

43 100

58 36.6 0.0 54.2



#14

Carbon disulfide

Concen: 4.825 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV025032.D

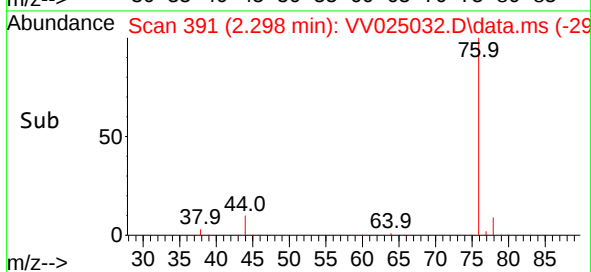
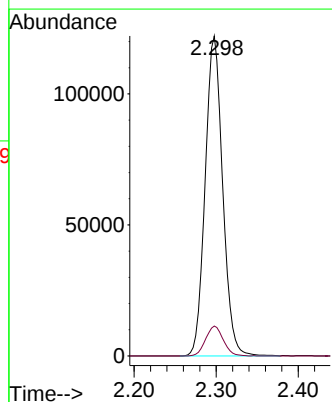
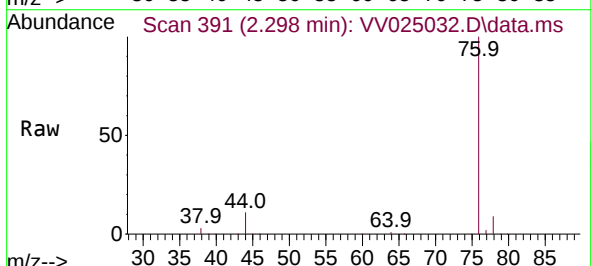
Acq: 16 Mar 2022 05:29

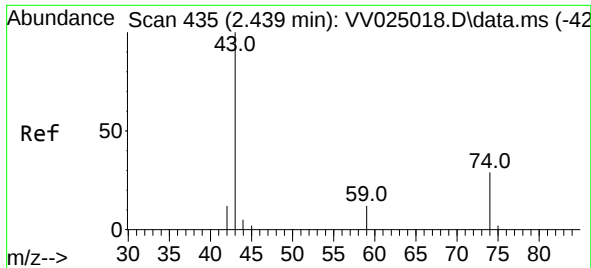
Tgt Ion: 76 Resp: 180897

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





#15

Methyl Acetate

Concen: 4.514 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

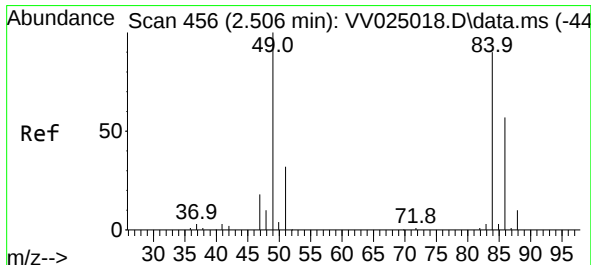
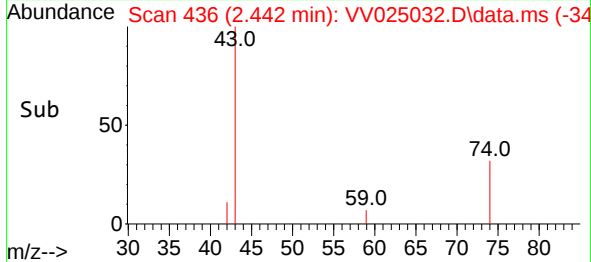
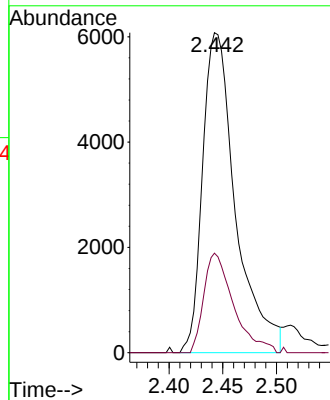
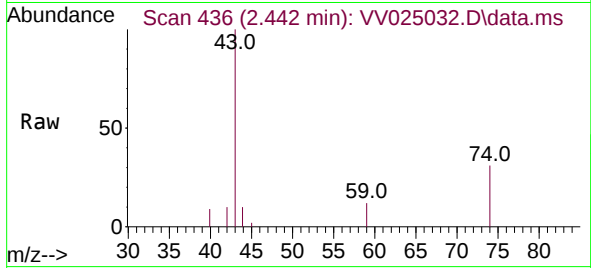
GBDB4MSD

Tgt Ion: 43 Resp: 12980

Ion Ratio Lower Upper

43 100

74 28.0 24.2 36.4



#16

Methylene chloride

Concen: 4.801 ug/L

RT: 2.510 min Scan# 457

Delta R.T. 0.003 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

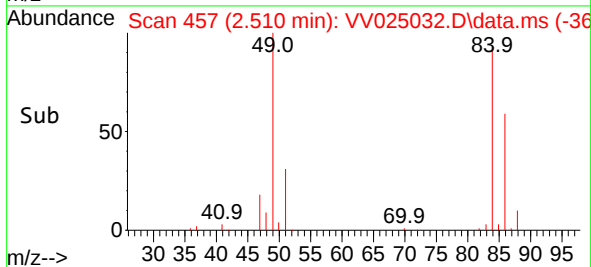
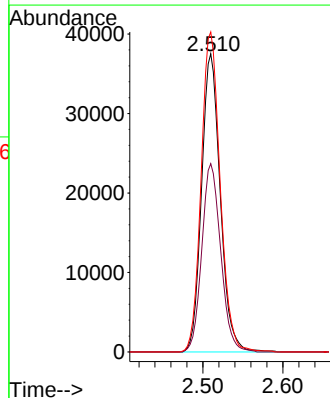
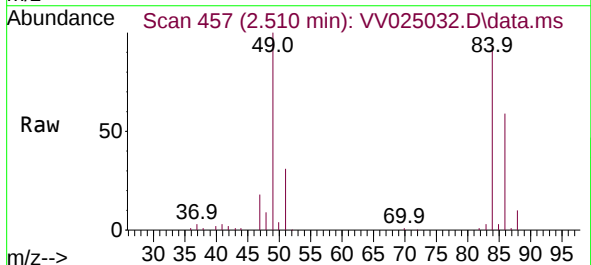
Tgt Ion: 84 Resp: 60959

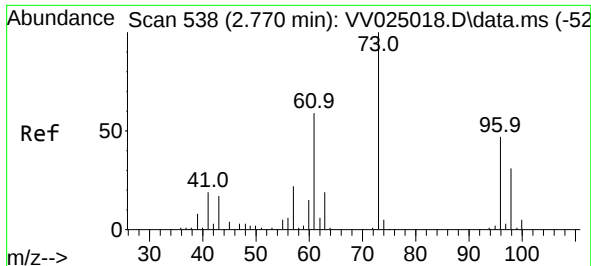
Ion Ratio Lower Upper

84 100

86 63.2 45.5 84.5

49 107.3 75.0 139.2





#17

Methyl tert-butyl Ether

Concen: 5.092 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

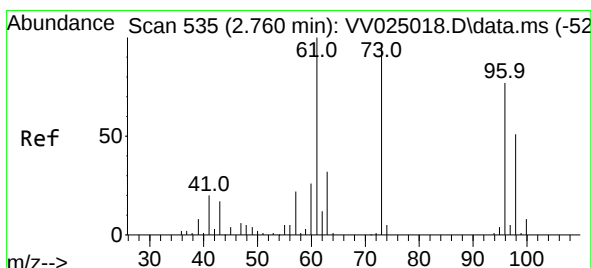
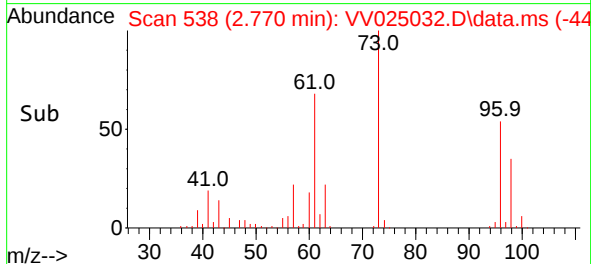
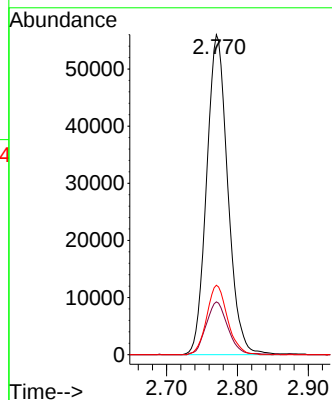
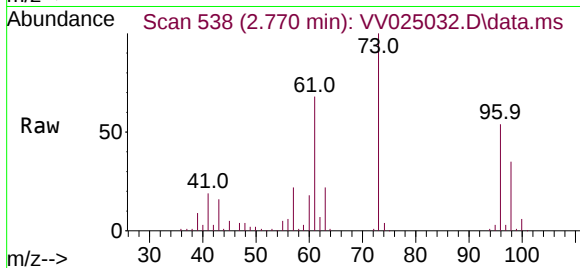
Tgt Ion: 73 Resp: 116228

Ion Ratio Lower Upper

73 100

43 16.9 13.2 19.8

57 21.4 16.7 25.1



#18

trans-1,2-Dichloroethene

Concen: 5.015 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

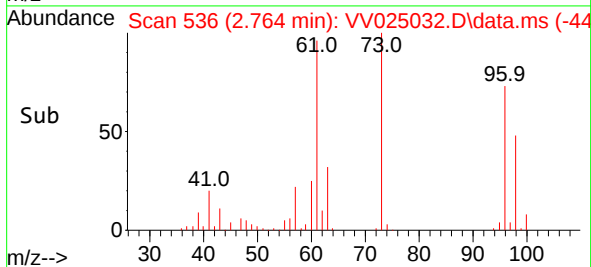
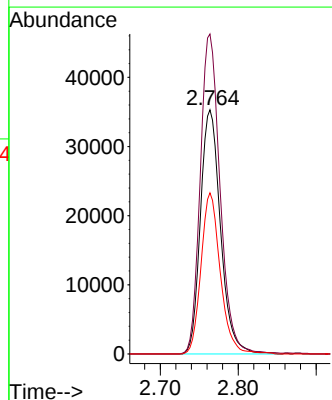
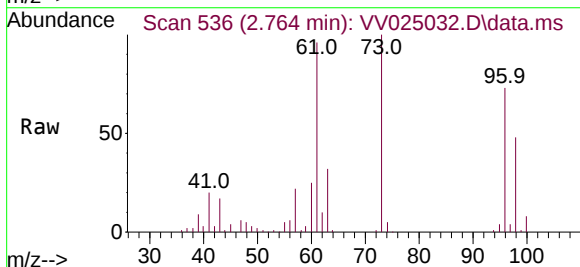
Tgt Ion: 96 Resp: 63246

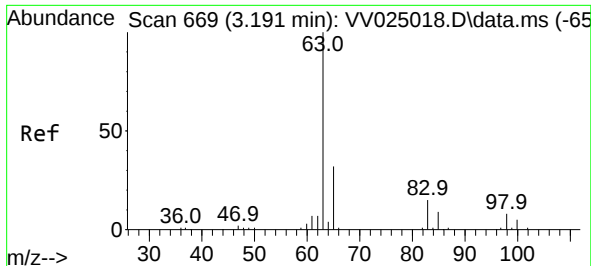
Ion Ratio Lower Upper

96 100

61 131.1 89.2 165.6

98 66.0 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.141 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

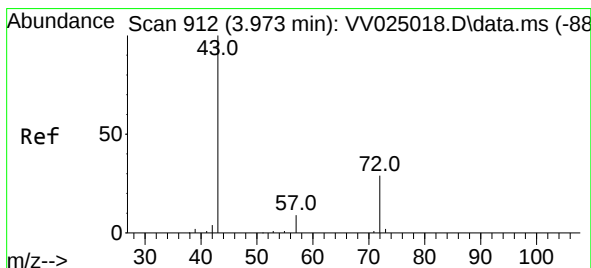
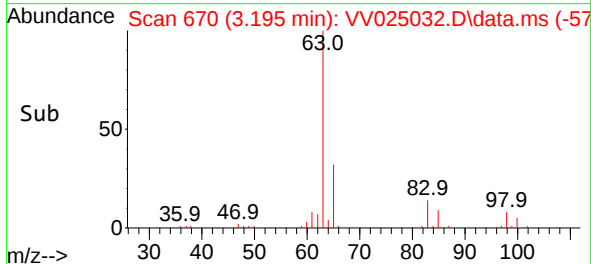
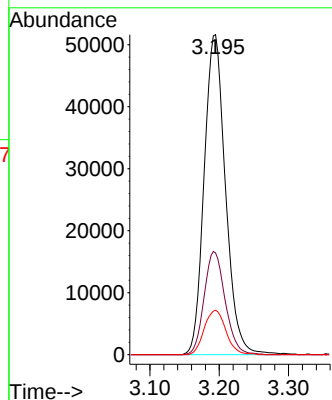
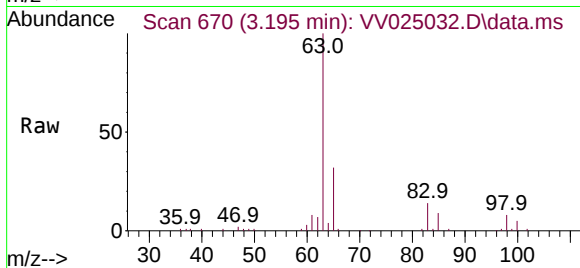
Tgt Ion: 63 Resp: 110328

Ion Ratio Lower Upper

63 100

65 31.8 22.2 41.2

83 13.9 9.4 17.4



#21

2-Butanone

Concen: 60.707 ug/L

RT: 3.973 min Scan# 912

Delta R.T. 0.000 min

Lab File: VV025032.D

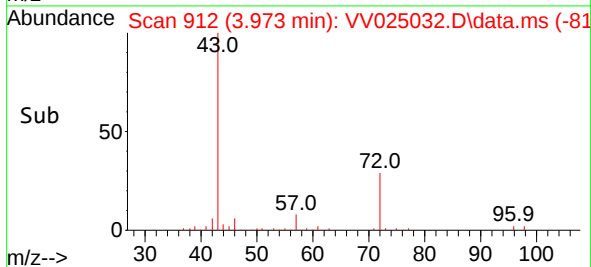
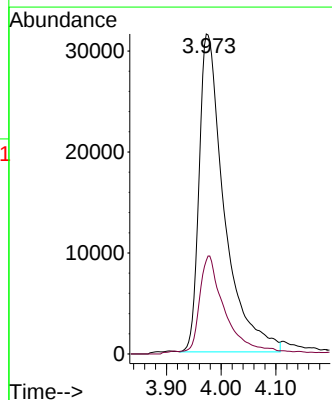
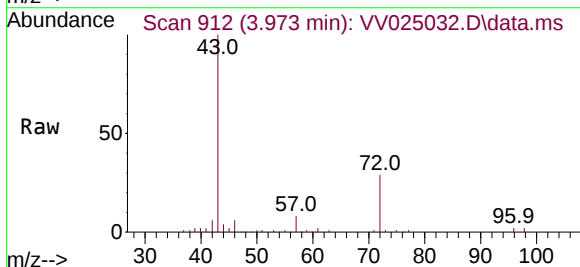
Acq: 16 Mar 2022 05:29

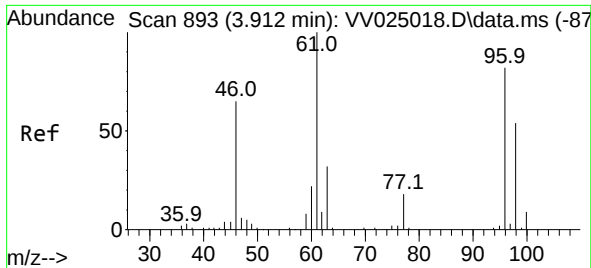
Tgt Ion: 43 Resp: 100570

Ion Ratio Lower Upper

43 100

72 30.0 10.4 31.2

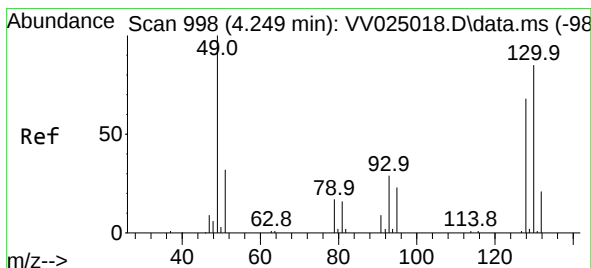
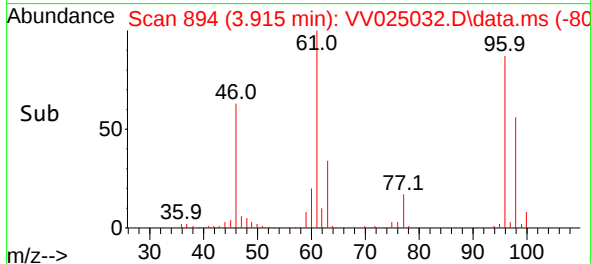
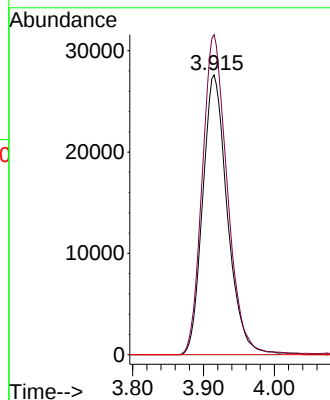
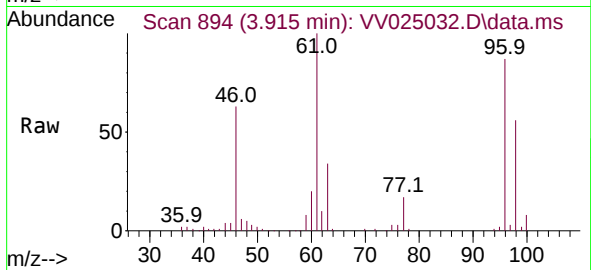




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.238 ug/L  
 RT: 3.915 min Scan# 893  
 Delta R.T. 0.003 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

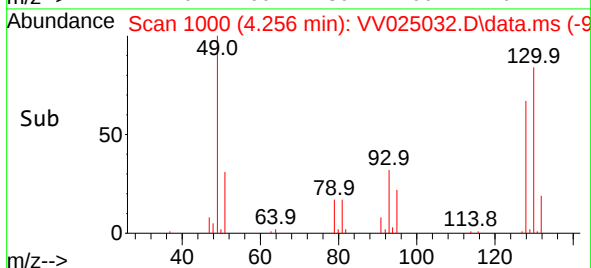
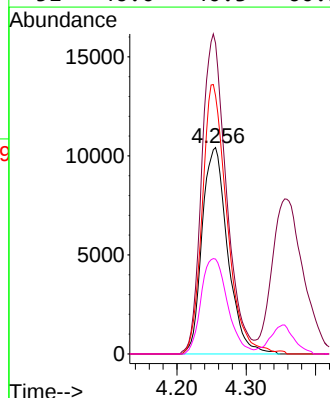
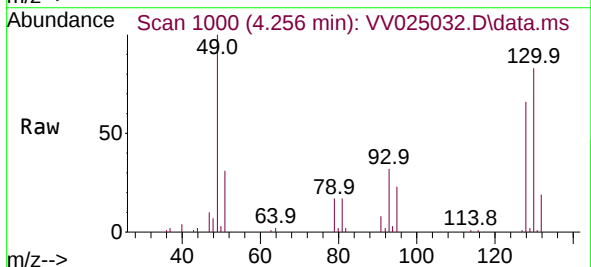
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GBDB4MSD

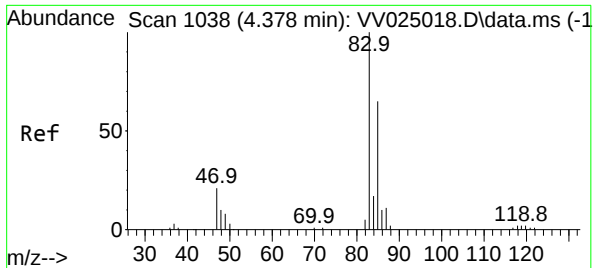
Tgt Ion: 96 Resp: 66692  
 Ion Ratio Lower Upper  
 96 100  
 61 114.3 79.7 147.9  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.302 ug/L  
 RT: 4.256 min Scan# 1000  
 Delta R.T. 0.006 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

Tgt Ion: 128 Resp: 26614  
 Ion Ratio Lower Upper  
 128 100  
 49 150.6 107.5 199.7  
 130 125.2 89.4 166.0  
 51 46.0 40.3 60.5

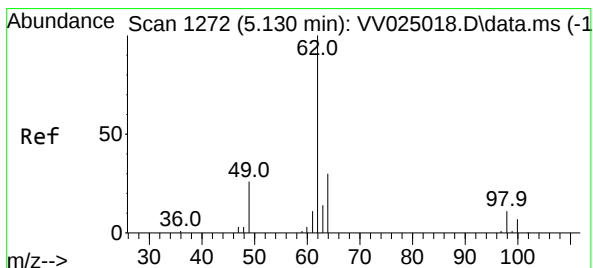
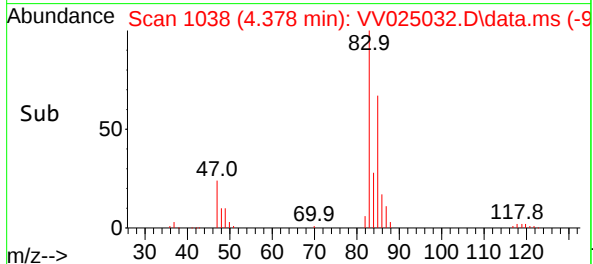
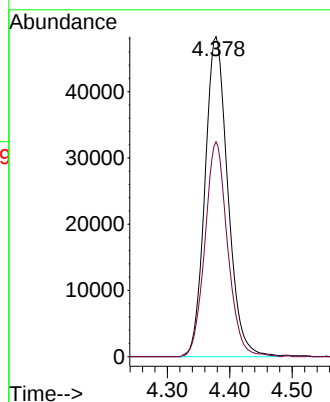
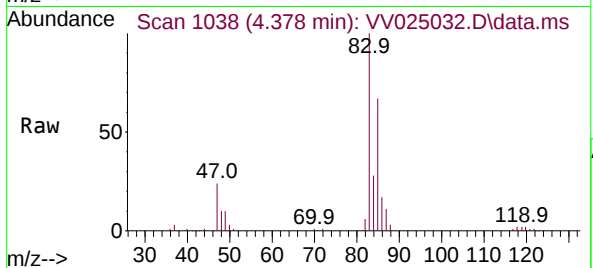




#25  
Chloroform  
Concen: 5.497 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

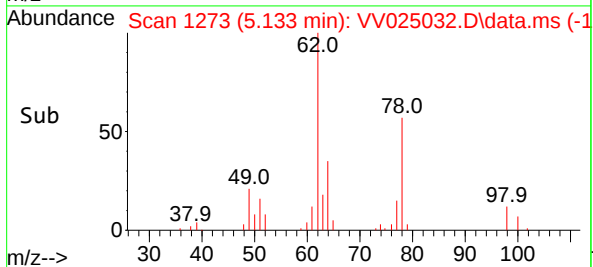
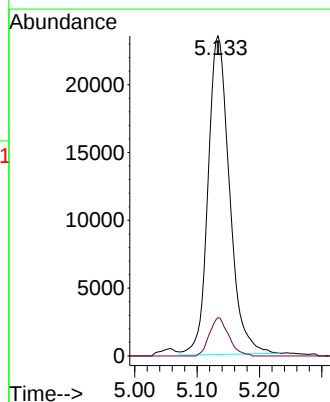
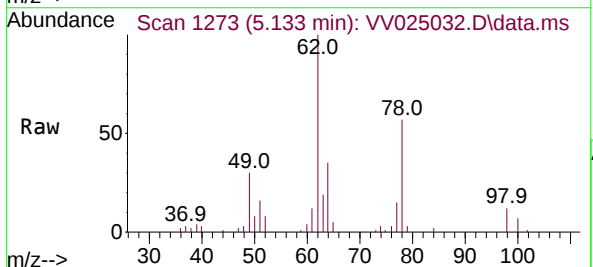
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

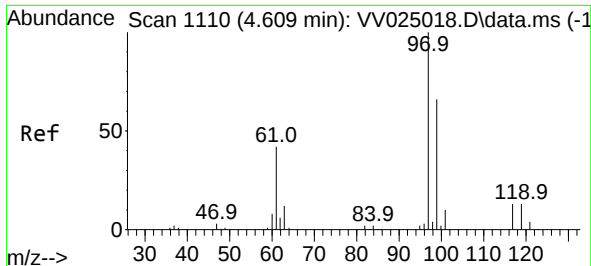
Tgt Ion: 83 Resp: 122829  
Ion Ratio Lower Upper  
83 100  
85 67.2 44.5 82.7



#27  
1,2-Dichloroethane  
Concen: 5.066 ug/L  
RT: 5.133 min Scan# 1273  
Delta R.T. 0.003 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion: 62 Resp: 56296  
Ion Ratio Lower Upper  
62 100  
98 12.0 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.936 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

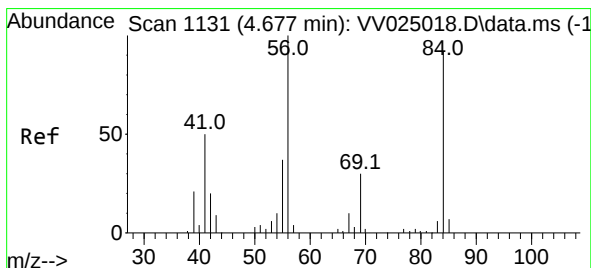
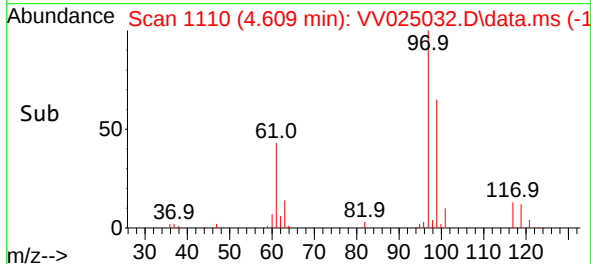
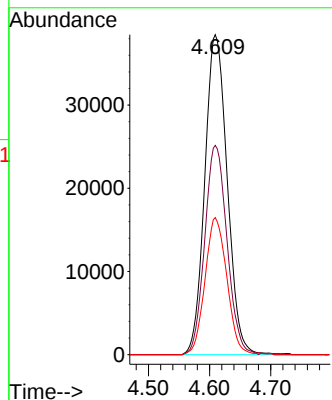
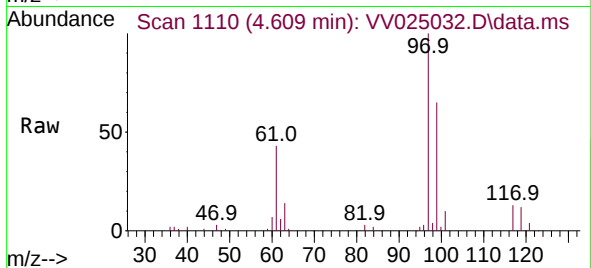
Tgt Ion: 97 Resp: 98409

Ion Ratio Lower Upper

97 100

99 64.9 50.7 76.1

61 41.6 32.4 48.6



#30

Cyclohexane

Concen: 4.858 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

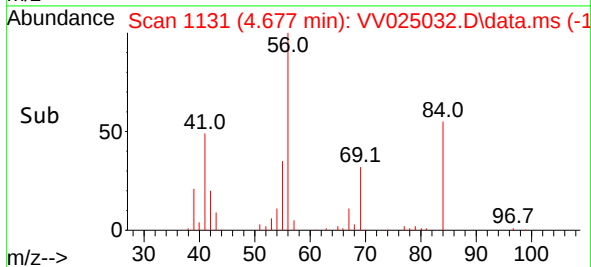
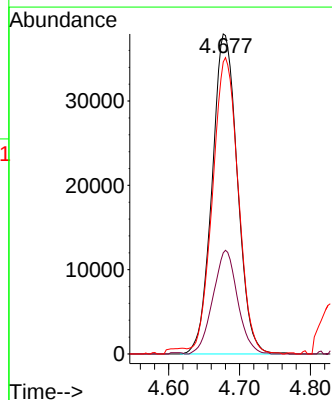
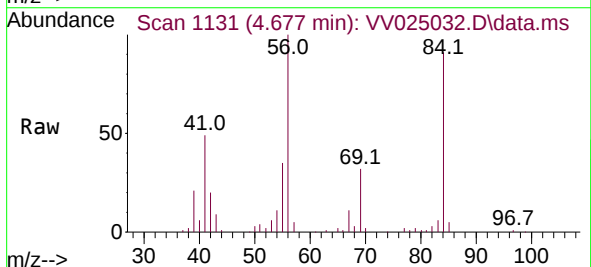
Tgt Ion: 56 Resp: 94223

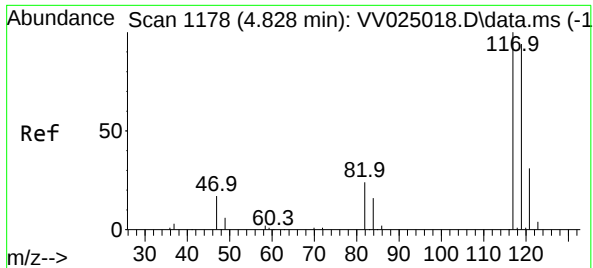
Ion Ratio Lower Upper

56 100

69 31.5 24.9 37.3

84 94.1 75.9 113.9

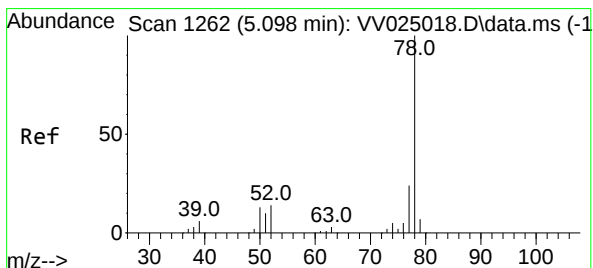
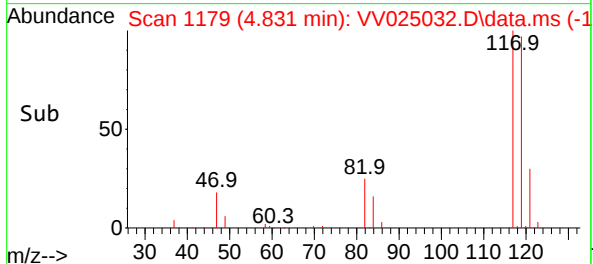
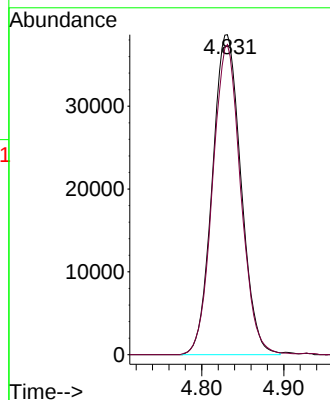
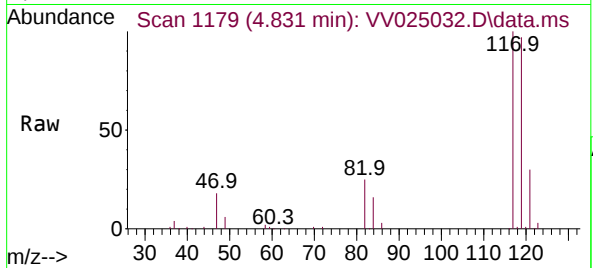




#31  
Carbon tetrachloride  
Concen: 5.478 ug/L  
RT: 4.831 min Scan# 1178  
Delta R.T. 0.003 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

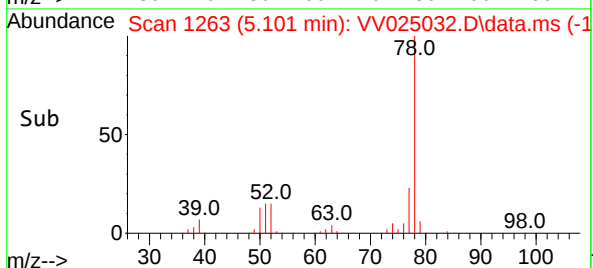
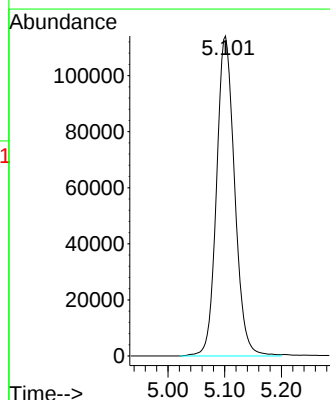
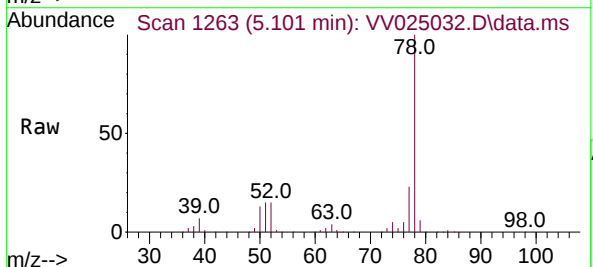
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

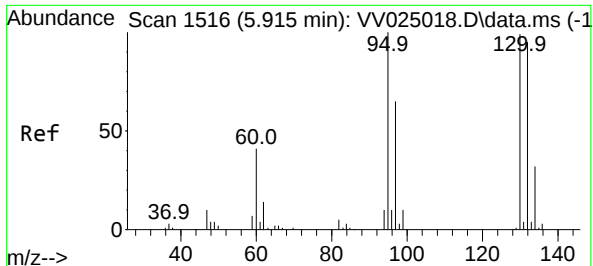
Tgt Ion:117 Resp: 93699  
Ion Ratio Lower Upper  
117 100  
119 95.2 76.8 115.2



#33  
Benzene  
Concen: 4.972 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion: 78 Resp: 252841





#34

Trichloroethene

Concen: 4.960 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

Tgt Ion: 95 Resp: 67152

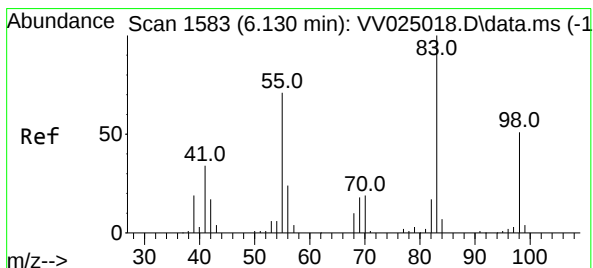
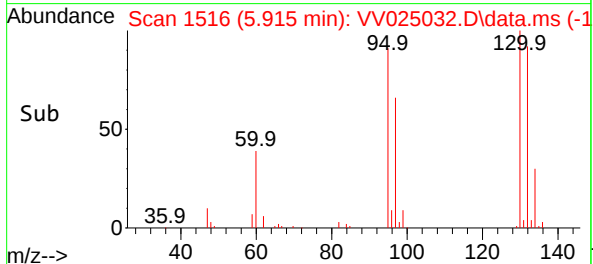
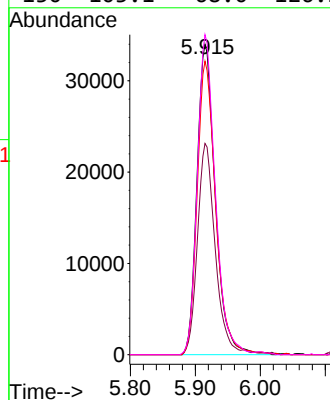
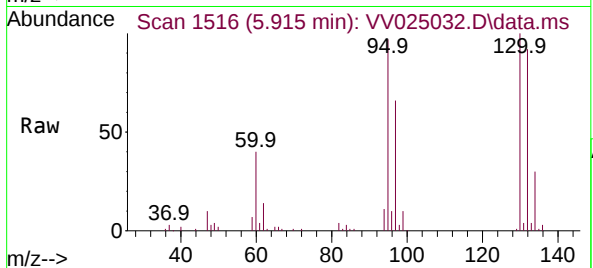
Ion Ratio Lower Upper

95 100

97 68.0 44.5 82.7

132 94.5 66.5 123.5

130 103.1 68.0 126.2



#35

Methylcyclohexane

Concen: 4.746 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

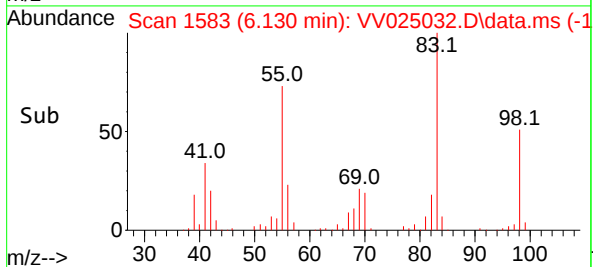
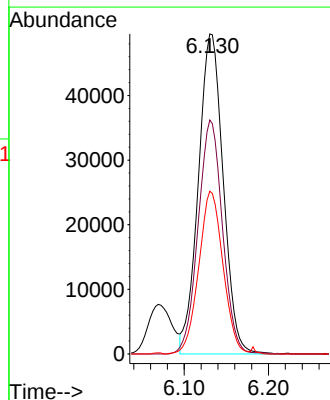
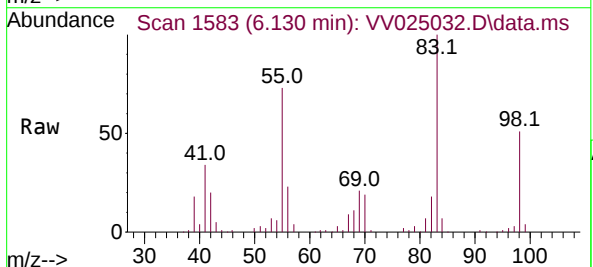
Tgt Ion: 83 Resp: 101724

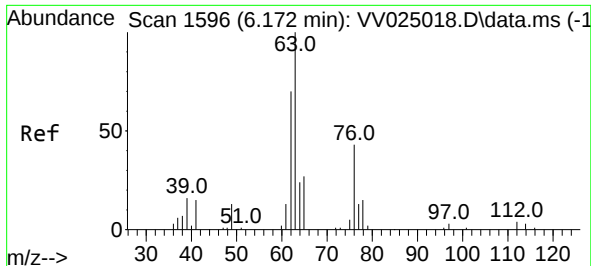
Ion Ratio Lower Upper

83 100

55 71.6 55.4 83.0

98 49.6 38.4 57.6





#37

1,2-Dichloropropane

Concen: 5.062 ug/L

RT: 6.172 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

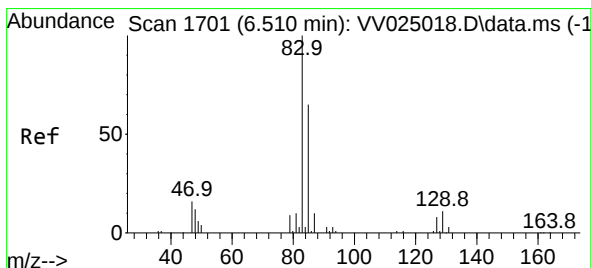
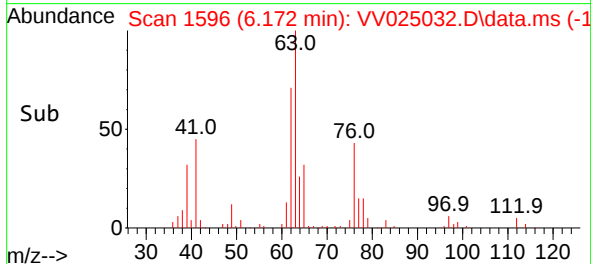
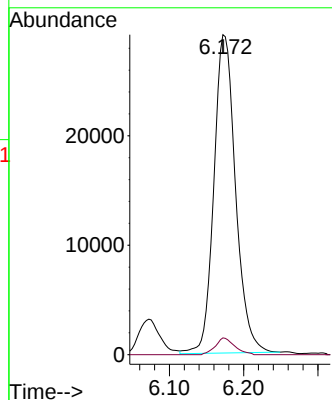
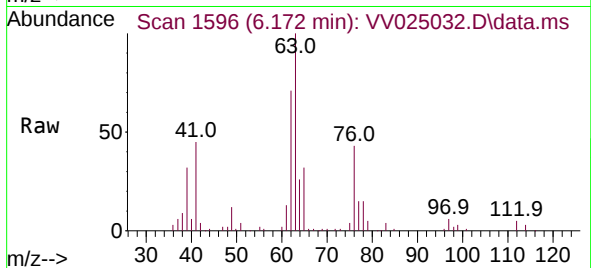
GBDB4MSD

Tgt Ion: 63 Resp: 59149

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 4.934 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

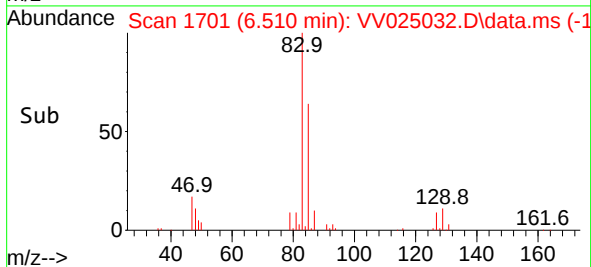
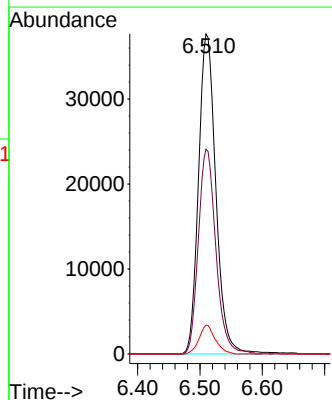
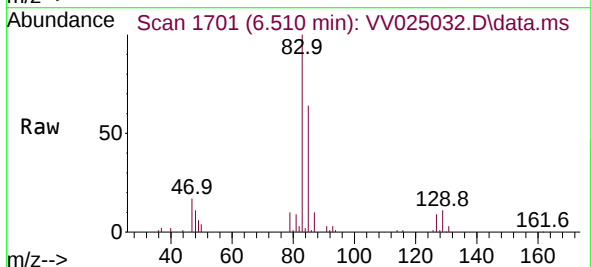
Tgt Ion: 83 Resp: 72906

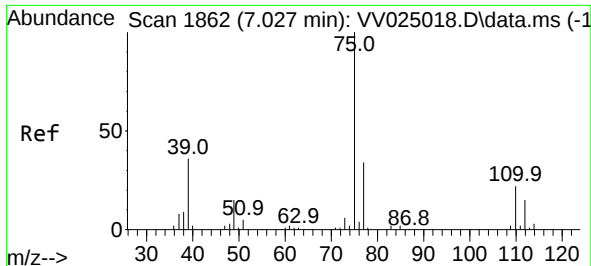
Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2

127 9.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.844 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

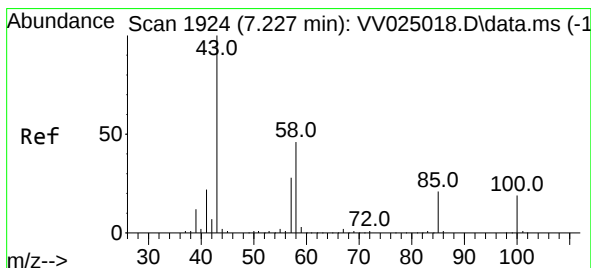
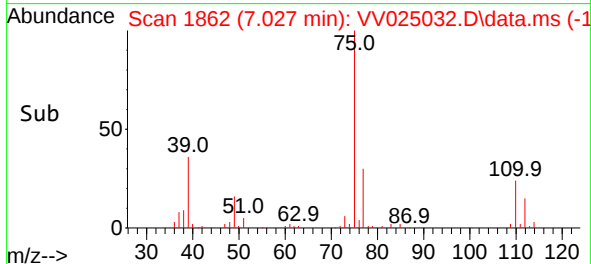
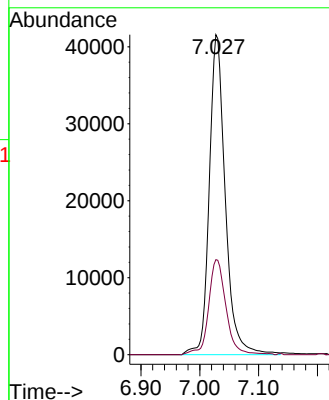
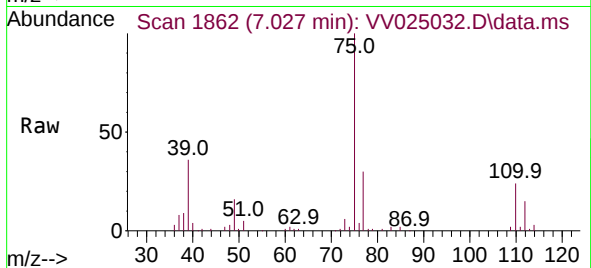
GBDB4MSD

Tgt Ion: 75 Resp: 78589

Ion Ratio Lower Upper

75 100

77 29.7 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 52.435 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

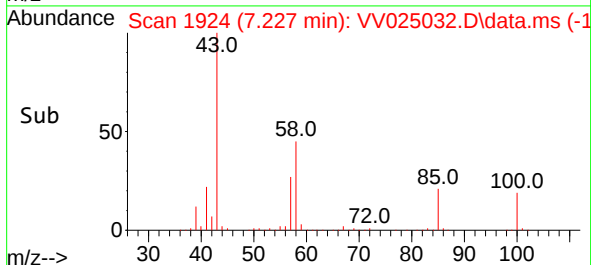
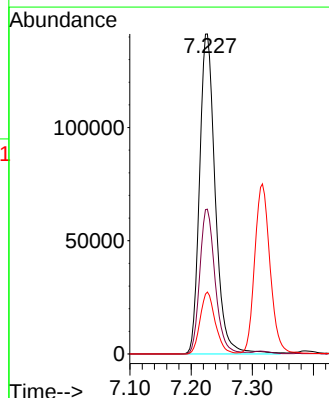
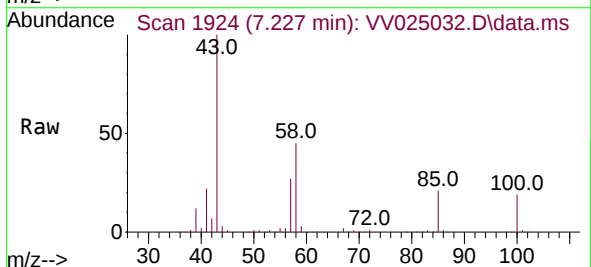
Tgt Ion: 43 Resp: 252120

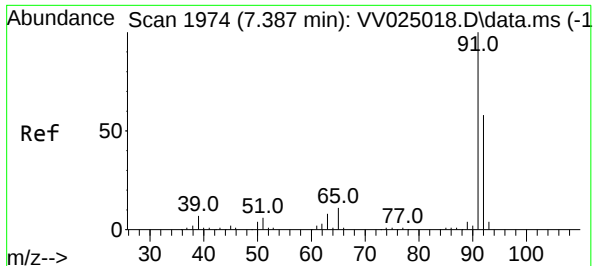
Ion Ratio Lower Upper

43 100

58 44.5 36.6 55.0

100 18.7 13.8 20.8





#42

Toluene

Concen: 5.144 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

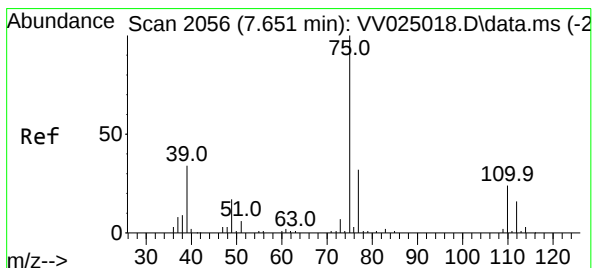
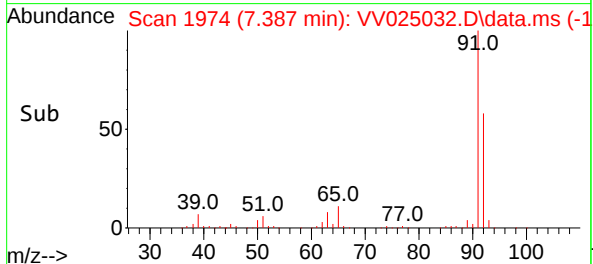
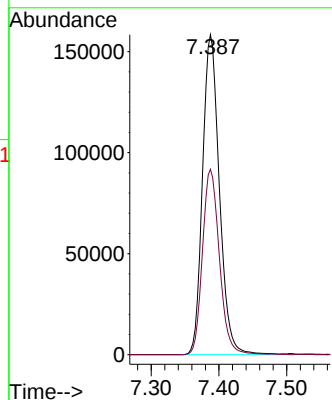
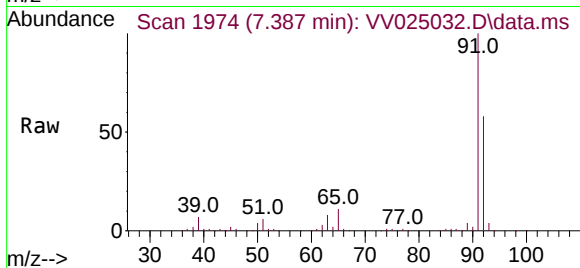
GBDB4MSD

Tgt Ion: 91 Resp: 273723

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.767 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV025032.D

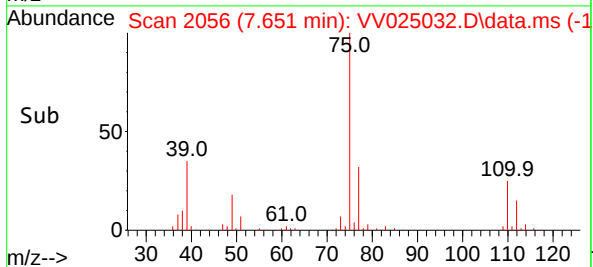
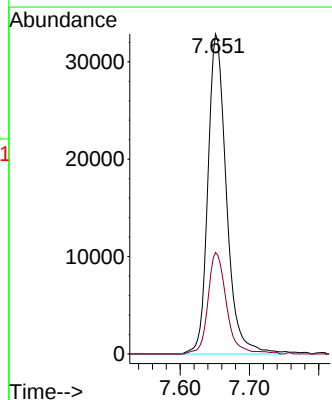
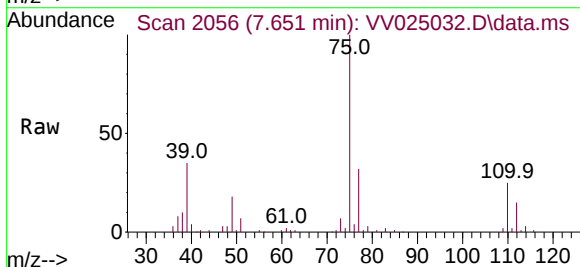
Acq: 16 Mar 2022 05:29

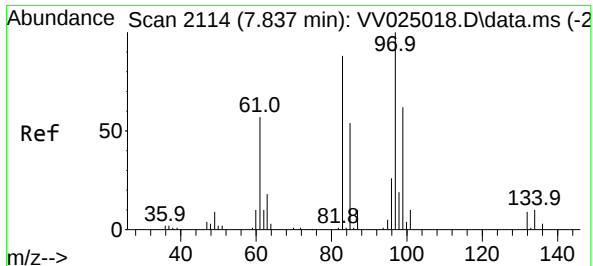
Tgt Ion: 75 Resp: 60863

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 4.981 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

Tgt Ion: 97 Resp: 38877

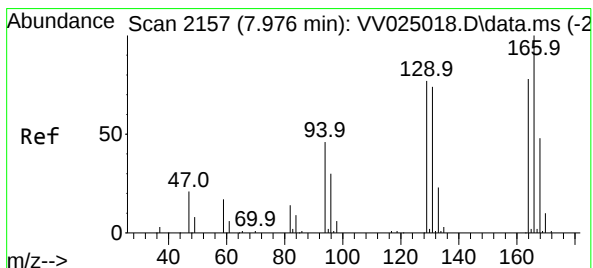
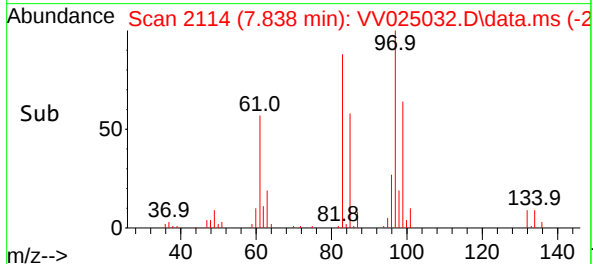
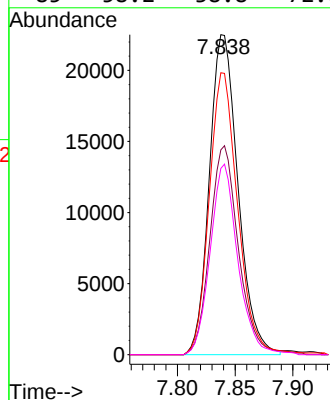
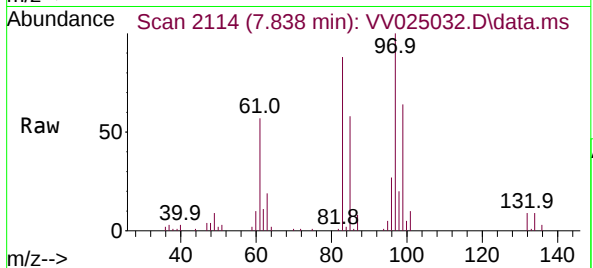
Ion Ratio Lower Upper

97 100

99 64.0 43.7 81.1

83 88.1 58.9 109.3

85 58.2 38.8 72.0



#47

Tetrachloroethene

Concen: 4.940 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Tgt Ion:164 Resp: 47049

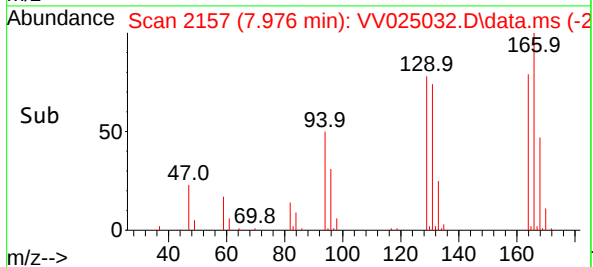
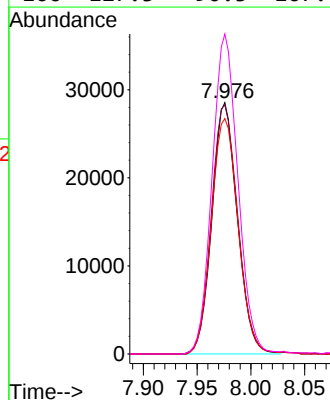
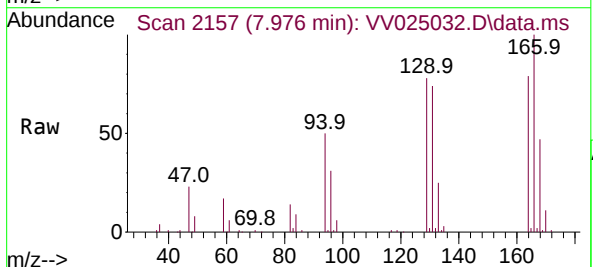
Ion Ratio Lower Upper

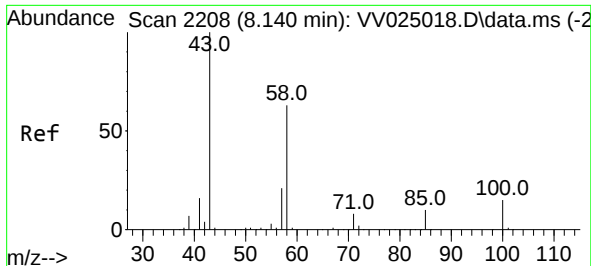
164 100

129 99.0 70.3 130.7

131 93.7 69.4 129.0

166 127.3 90.3 167.7



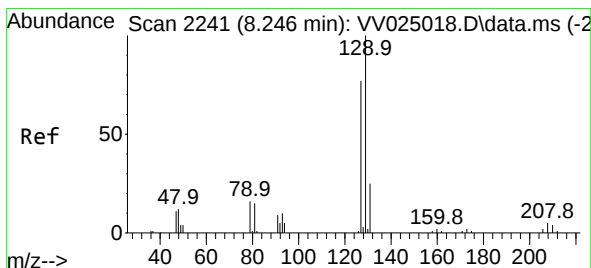
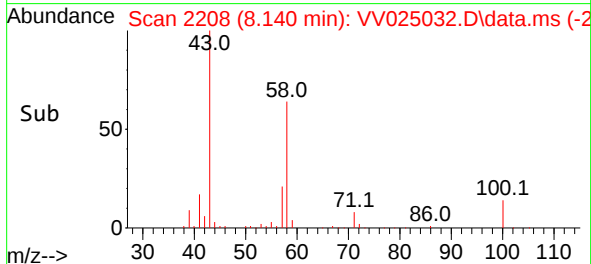
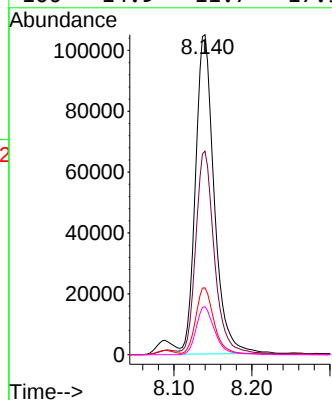
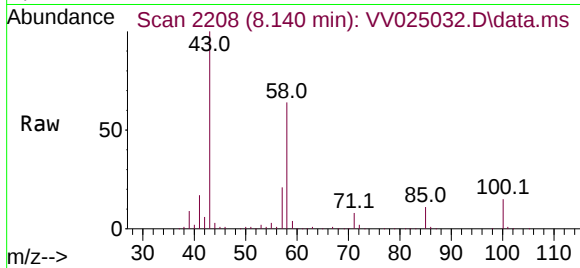


#48  
2-Hexanone  
Concen: 51.368 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

Tgt Ion: 43 Resp: 175107

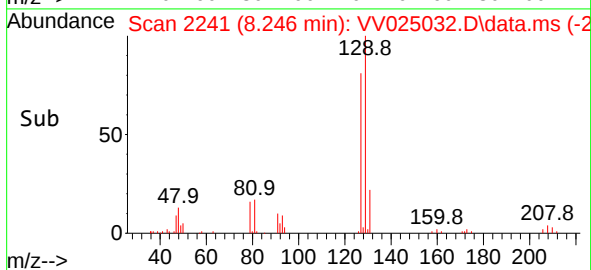
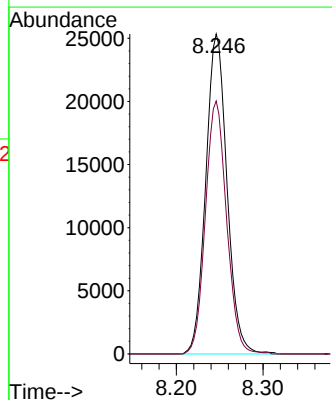
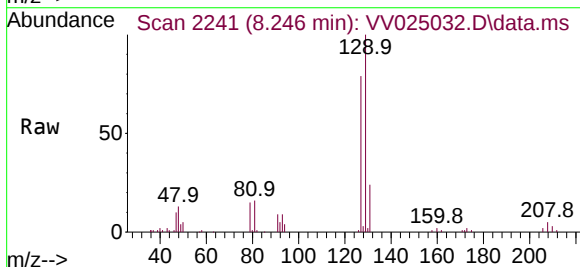
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 63.4  | 49.2  | 73.8  |
| 57  | 20.9  | 16.0  | 24.0  |
| 100 | 14.9  | 11.7  | 17.5  |

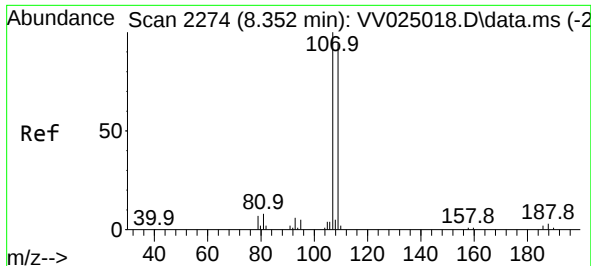


#49  
Dibromochloromethane  
Concen: 4.941 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion: 129 Resp: 43164

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.0  | 54.9  | 102.1 |





#50

1,2-Dibromoethane

Concen: 5.087 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

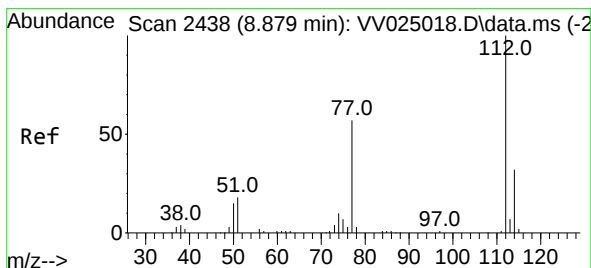
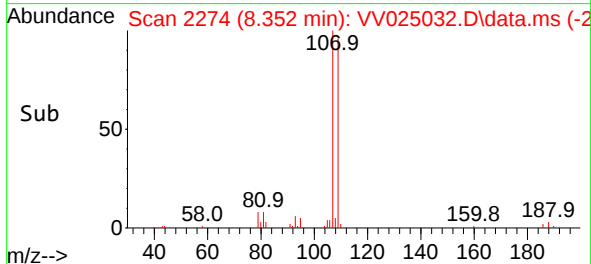
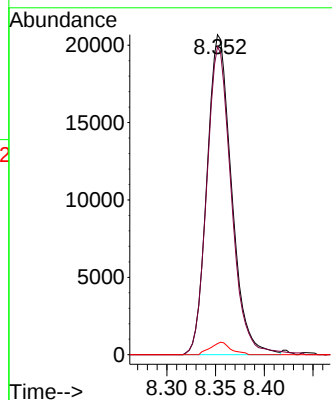
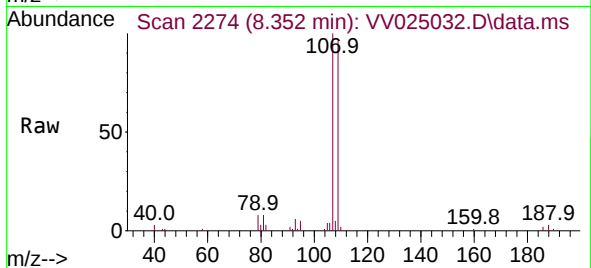
Tgt Ion:107 Resp: 36338

Ion Ratio Lower Upper

107 100

109 96.2 65.5 121.6

188 3.5 2.4 3.6



#51

Chlorobenzene

Concen: 5.040 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

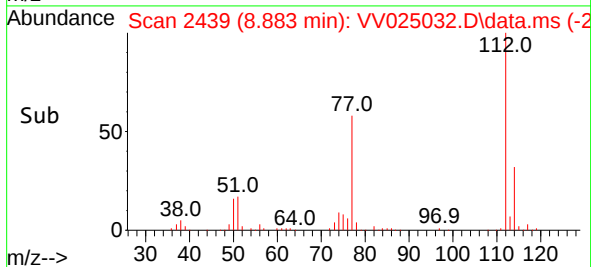
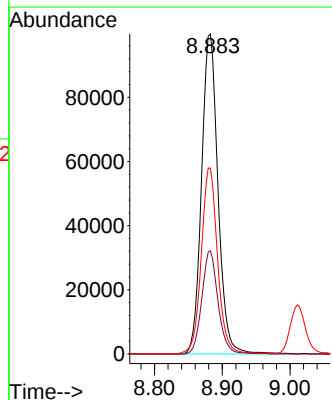
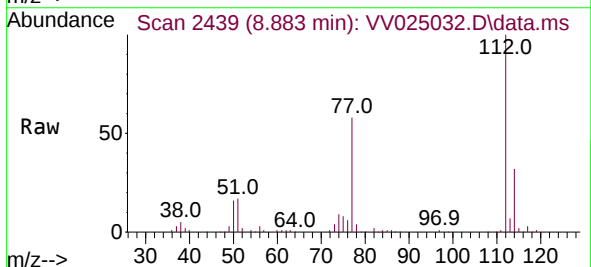
Tgt Ion:112 Resp: 167943

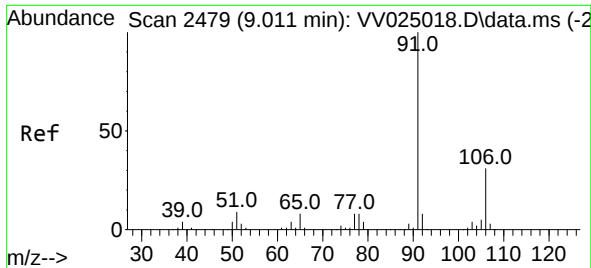
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 58.0 45.3 67.9

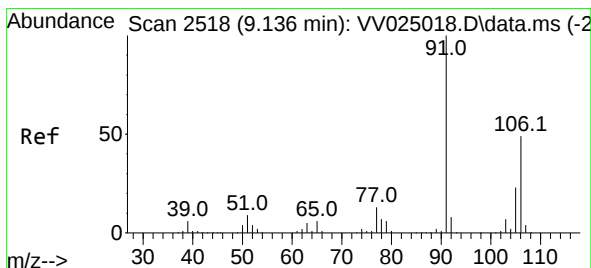
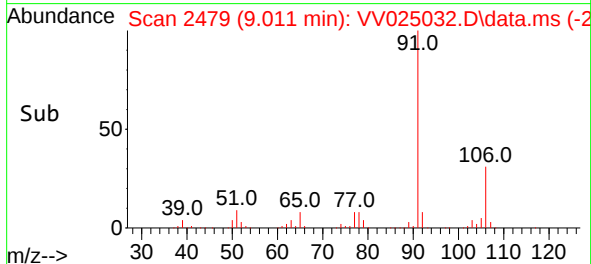
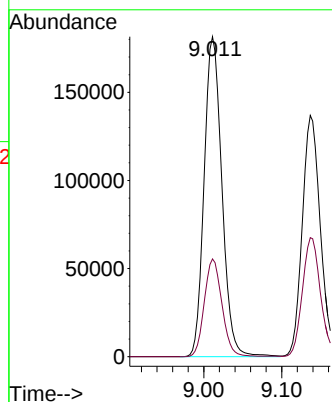
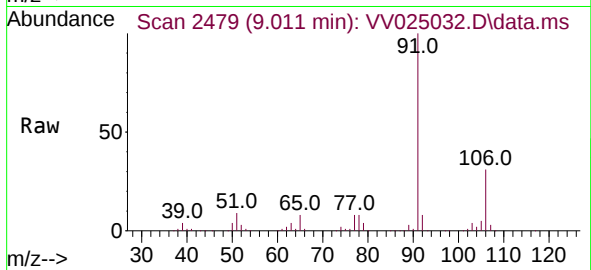




#52  
Ethylbenzene  
Concen: 5.111 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

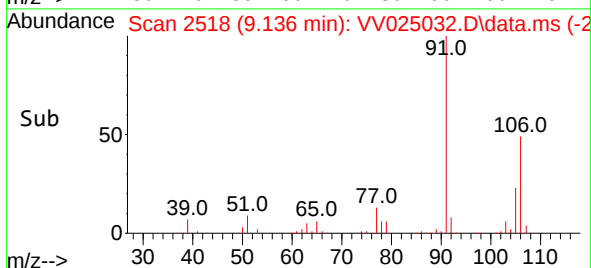
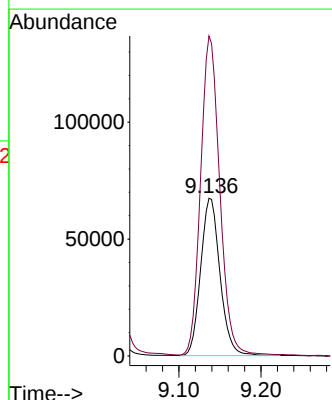
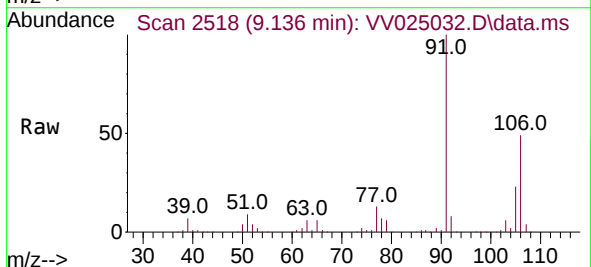
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

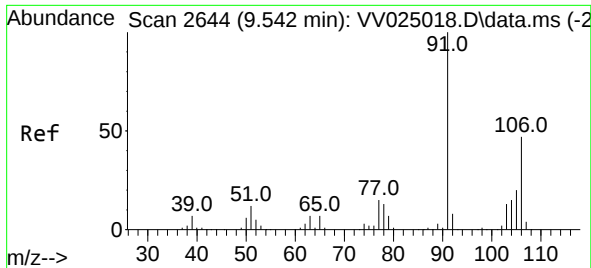
Tgt Ion: 91 Resp: 287705  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.9 40.7



#53  
m,p-xylene  
Concen: 5.065 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion: 106 Resp: 109799  
Ion Ratio Lower Upper  
106 100  
91 202.7 143.4 266.4

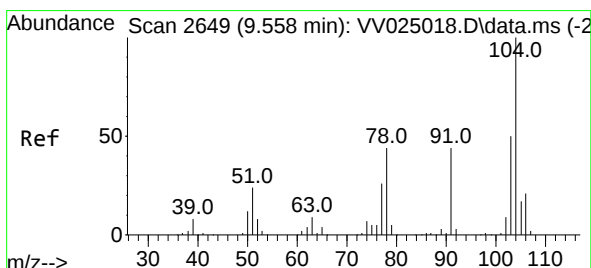
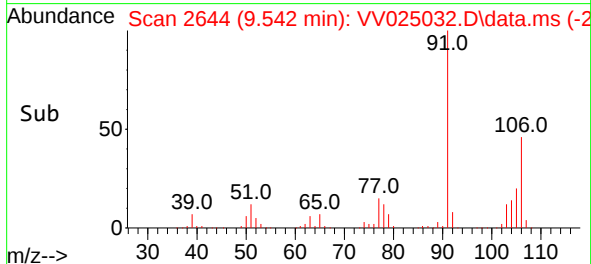
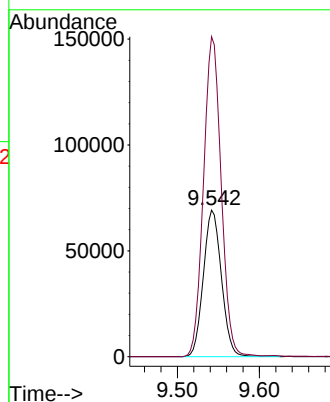
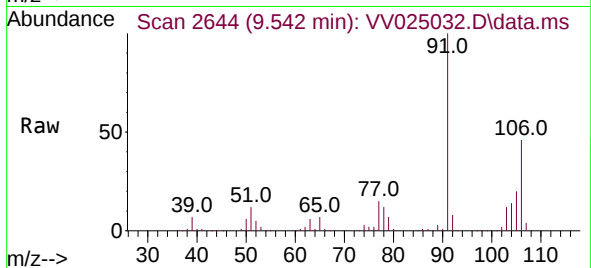




#54  
o-xylene  
Concen: 5.114 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

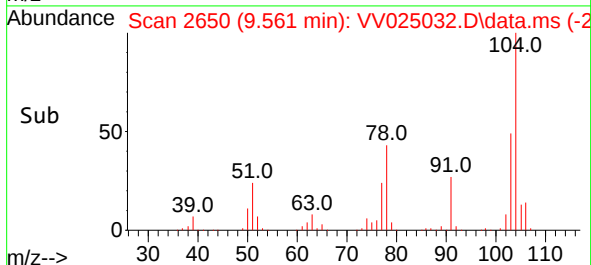
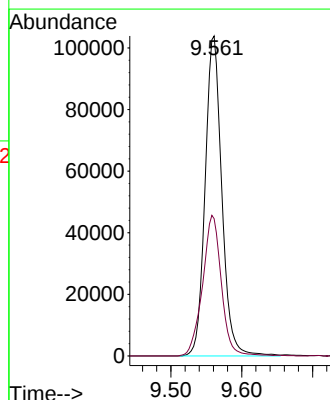
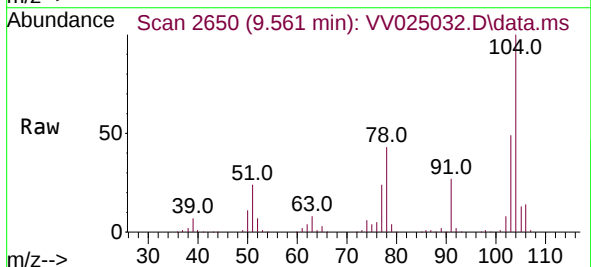
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

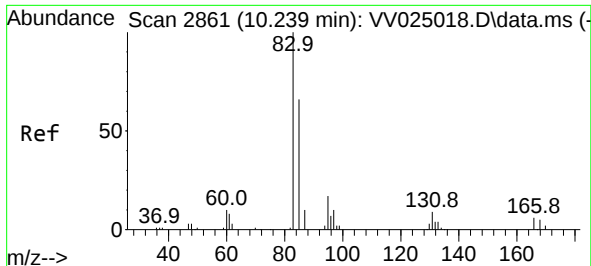
Tgt Ion:106 Resp: 106014  
Ion Ratio Lower Upper  
106 100  
91 218.3 146.7 272.5



#55  
Styrene  
Concen: 5.035 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.003 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion:104 Resp: 169981  
Ion Ratio Lower Upper  
104 100  
78 42.9 30.2 56.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.296 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

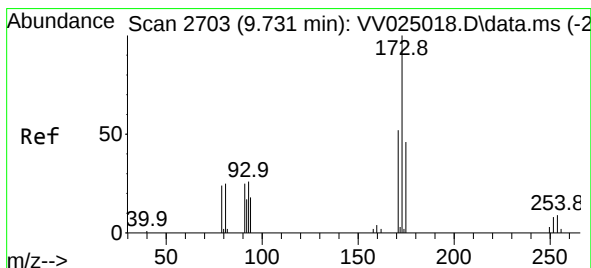
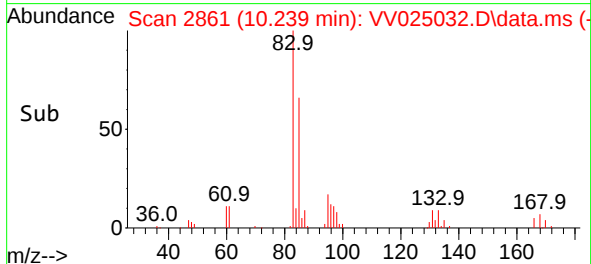
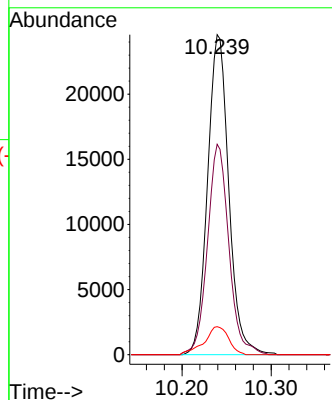
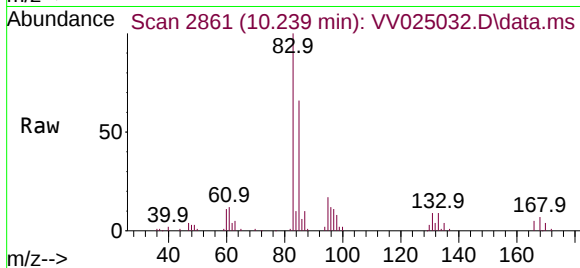
Tgt Ion: 83 Resp: 40526

Ion Ratio Lower Upper

83 100

85 65.7 43.9 81.5

131 8.8 7.5 11.3



#59

Bromoform

Concen: 4.651 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

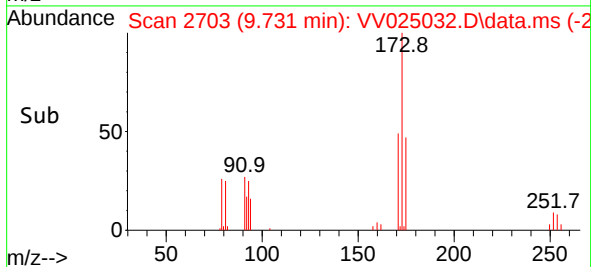
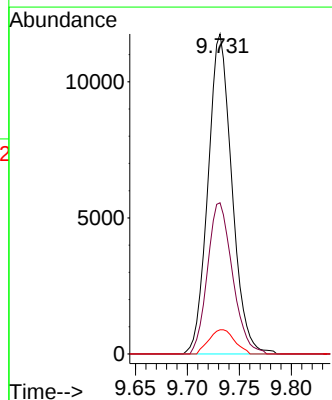
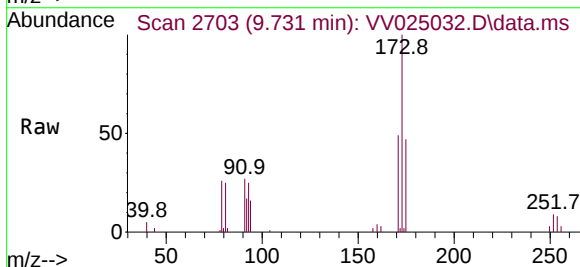
Tgt Ion: 173 Resp: 18830

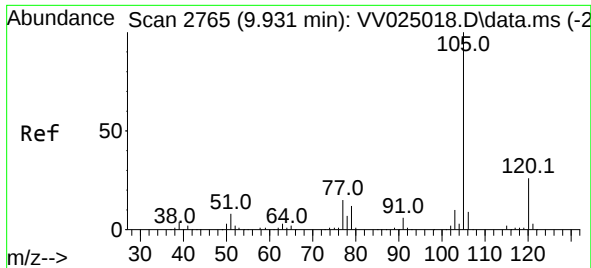
Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.8

254 8.1 5.8 8.6

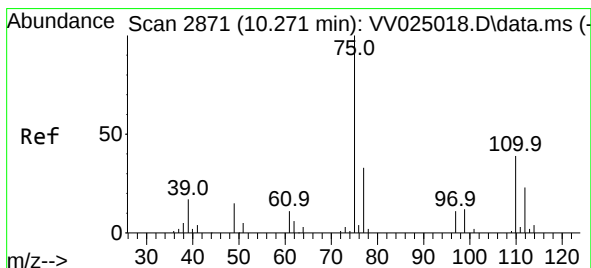
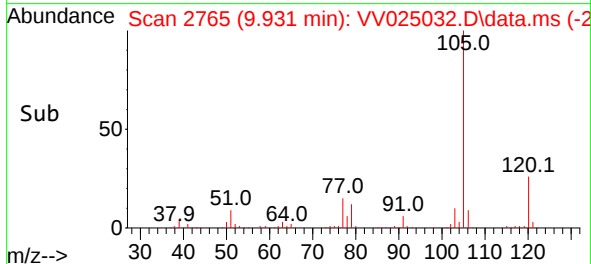
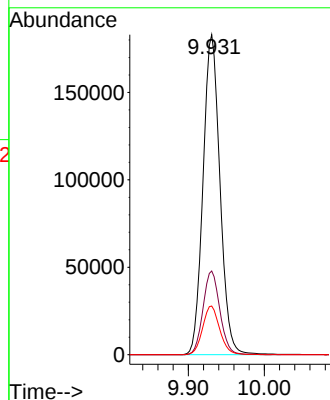
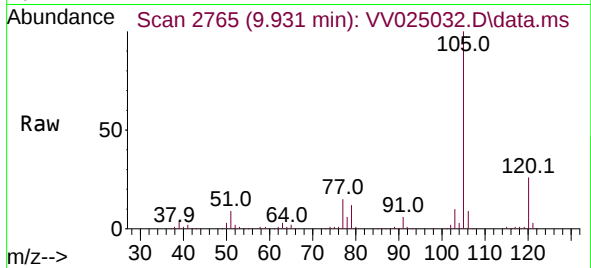




#60  
Isopropylbenzene  
Concen: 5.004 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

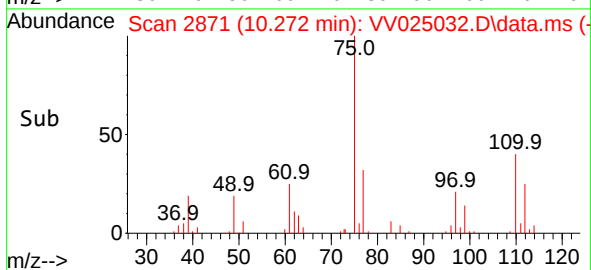
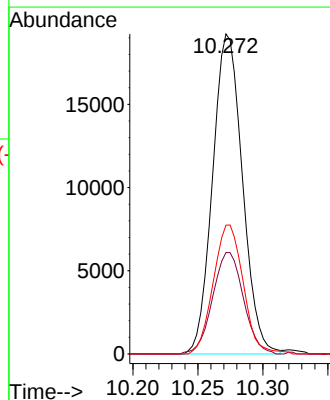
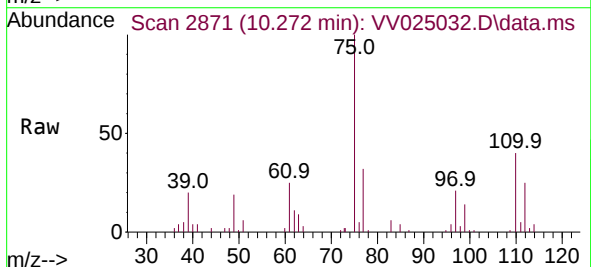
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

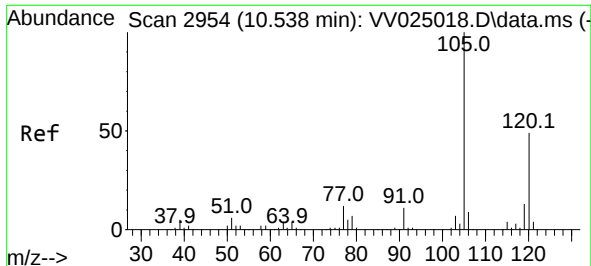
Tgt Ion:105 Resp: 283640  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.7 31.1  
77 15.4 12.2 18.2



#61  
1,2,3-Trichloropropane  
Concen: 4.849 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion: 75 Resp: 30654  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.7 38.5  
110 40.4 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 4.935 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

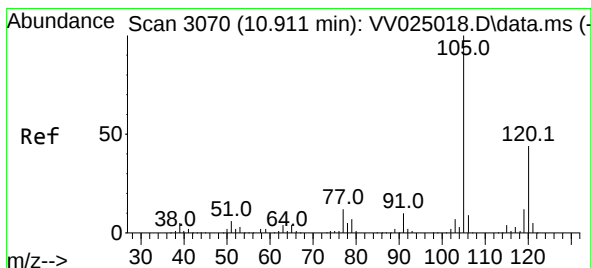
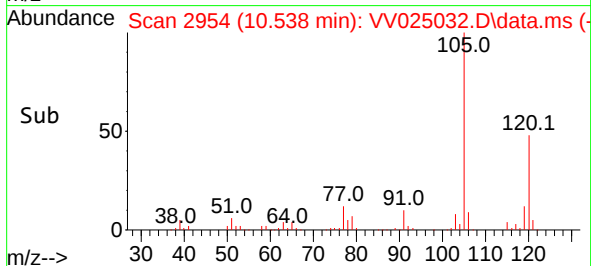
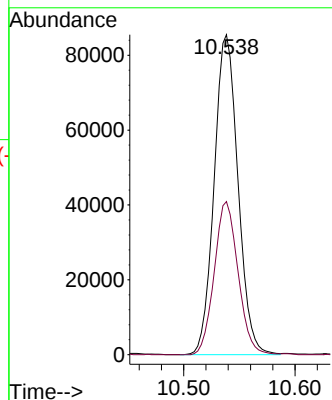
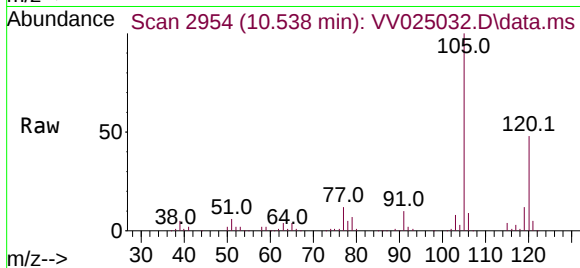
GBDB4MSD

Tgt Ion:105 Resp: 126934

Ion Ratio Lower Upper

105 100

120 47.8 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 5.102 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV025032.D

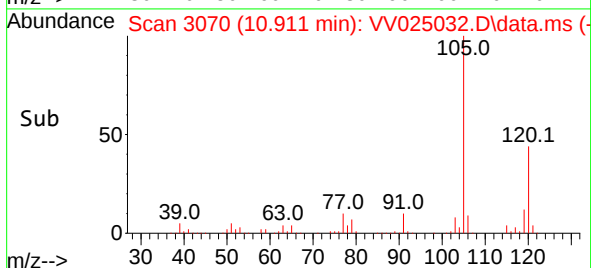
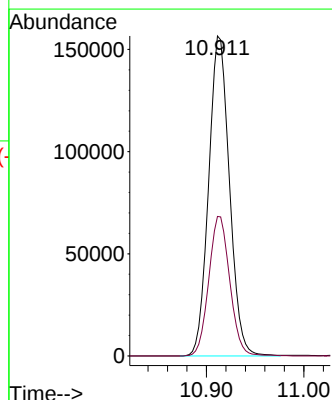
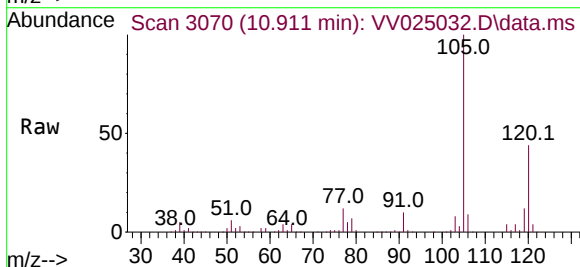
Acq: 16 Mar 2022 05:29

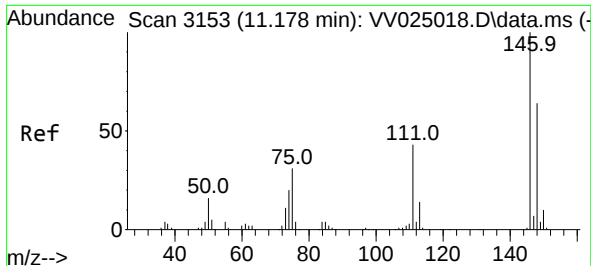
Tgt Ion:105 Resp: 232436

Ion Ratio Lower Upper

105 100

120 44.1 35.8 53.8

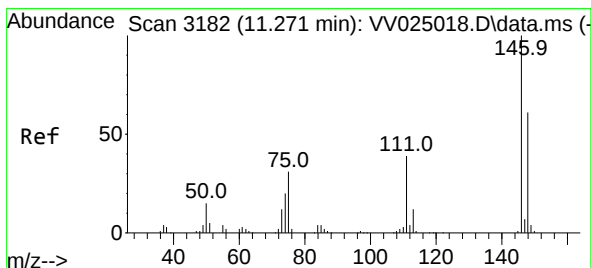
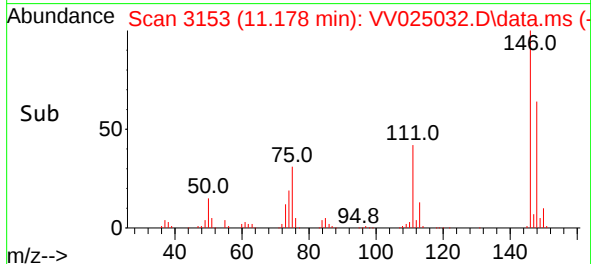
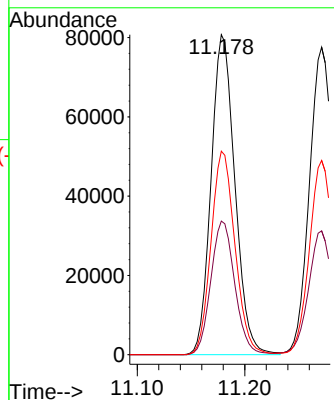
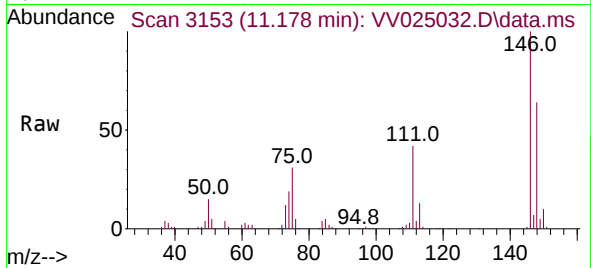




#64  
1,3-Dichlorobenzene  
Concen: 5.054 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

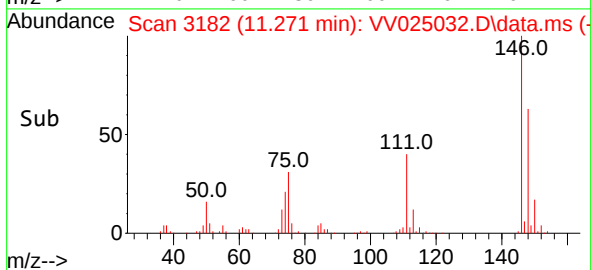
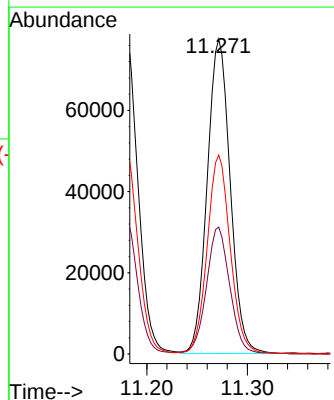
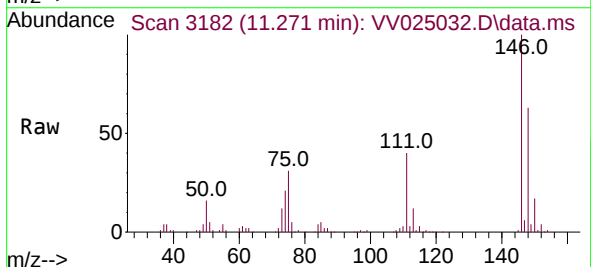
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

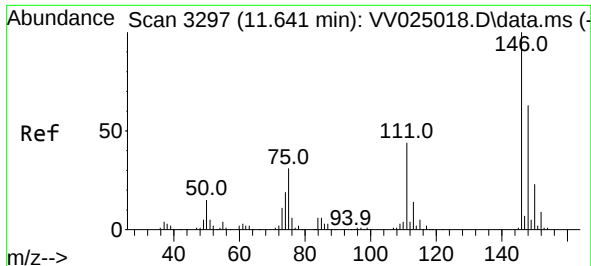
Tgt Ion:146 Resp: 124282  
Ion Ratio Lower Upper  
146 100  
111 41.8 29.2 54.2  
148 63.6 43.8 81.4



#65  
1,4-Dichlorobenzene  
Concen: 4.966 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion:146 Resp: 123095  
Ion Ratio Lower Upper  
146 100  
111 40.3 28.2 52.4  
148 63.2 43.8 81.4

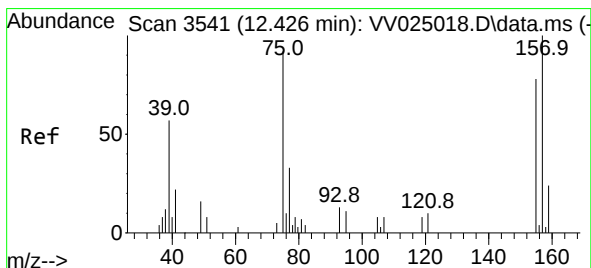
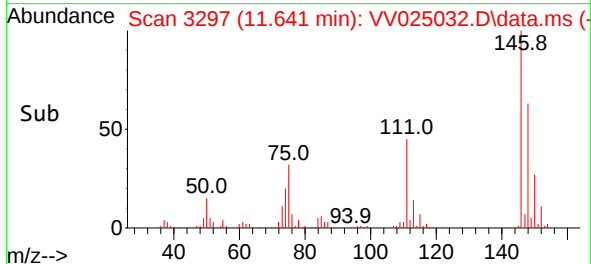
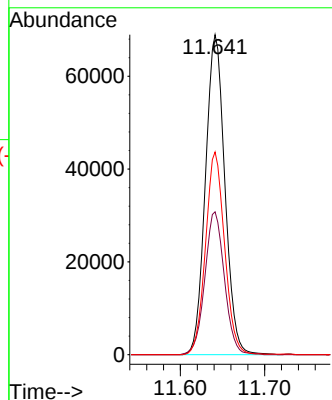
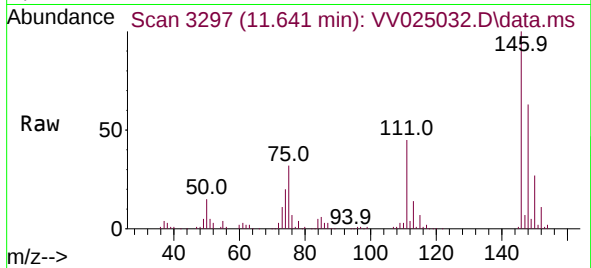




#67  
1,2-Dichlorobenzene  
Concen: 5.079 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

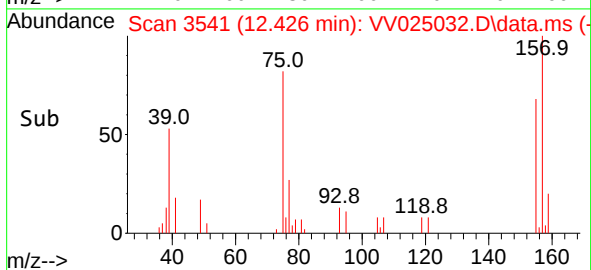
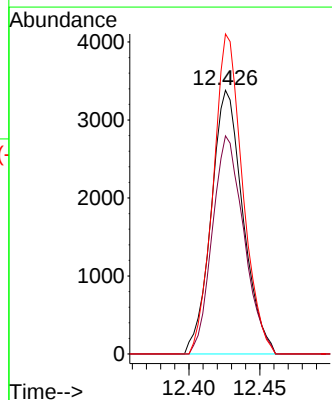
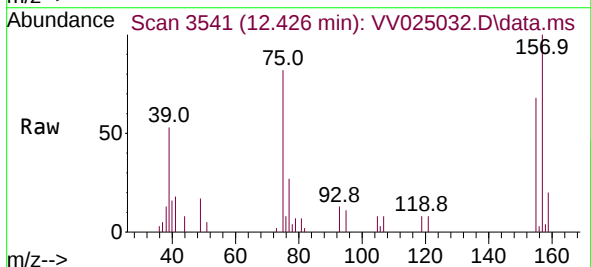
Instrument :  
MSVOA\_V  
ClientSampleId :  
GBDB4MSD

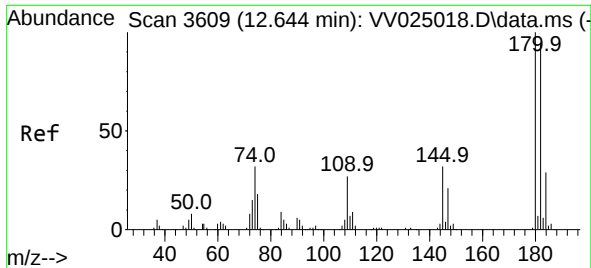
Tgt Ion:146 Resp: 110650  
Ion Ratio Lower Upper  
146 100  
111 44.7 35.5 53.3  
148 63.4 49.7 74.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.872 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. 0.000 min  
Lab File: VV025032.D  
Acq: 16 Mar 2022 05:29

Tgt Ion: 75 Resp: 5279  
Ion Ratio Lower Upper  
75 100  
155 82.7 65.9 98.9  
157 121.4 89.7 134.5

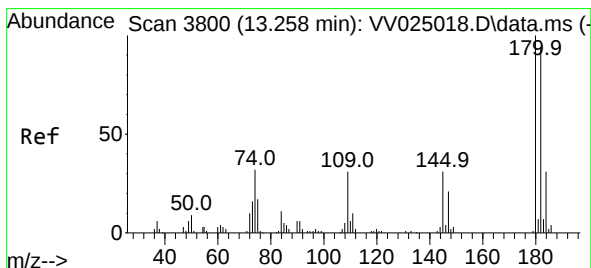
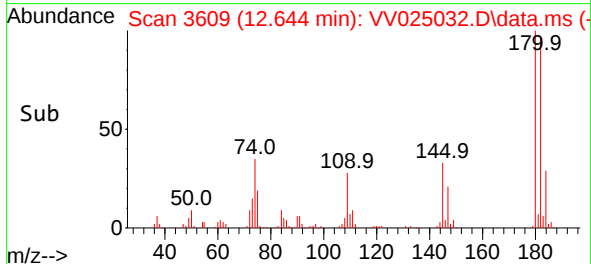
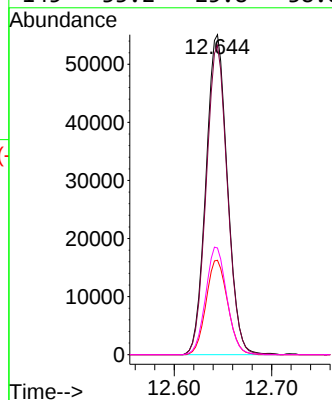
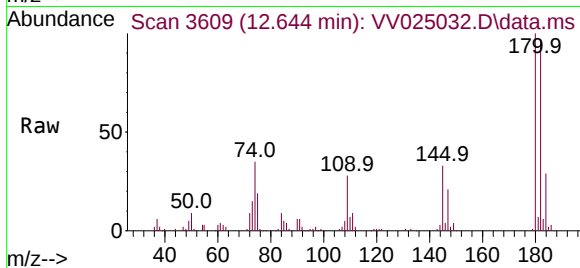




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.855 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

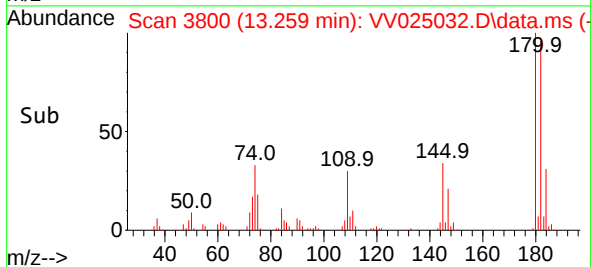
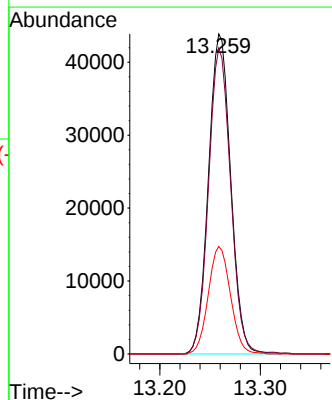
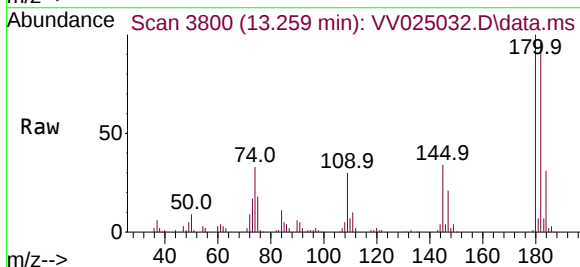
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GBDB4MSD

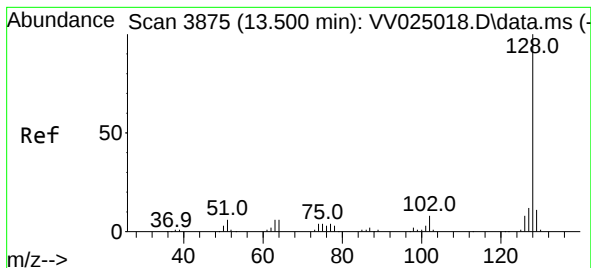
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 84331      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.5  | 75.4 113.0 |
| 184         | 29.7  | 24.2 36.4  |
| 145         | 33.2  | 25.8 38.8  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.975 ug/L  
 RT: 13.259 min Scan# 3800  
 Delta R.T. 0.000 min  
 Lab File: VV025032.D  
 Acq: 16 Mar 2022 05:29

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 67323      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.7  | 74.6 112.0 |
| 145         | 33.5  | 26.1 39.1  |





#71

Naphthalene

Concen: 5.013 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Instrument :

MSVOA\_V

ClientSampleId :

GBDB4MSD

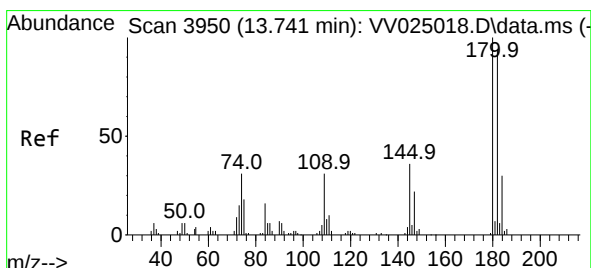
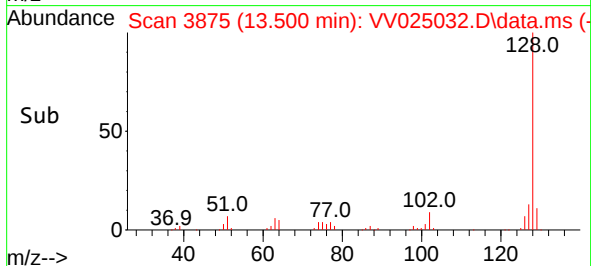
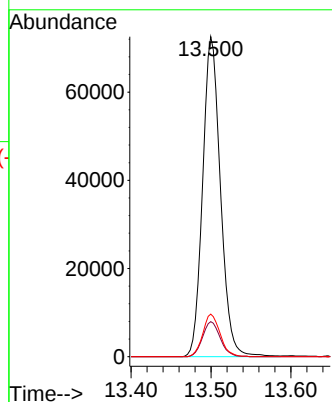
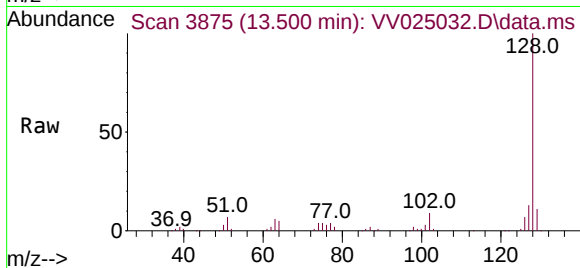
Tgt Ion:128 Resp: 112642

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 12.9 9.8 14.8



#72

1,2,3-Trichlorobenzene

Concen: 5.052 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV025032.D

Acq: 16 Mar 2022 05:29

Tgt Ion:180 Resp: 57933

Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 35.0 27.6 41.4

