

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090221\  
 Data File : VV022077.D  
 Acq On : 02 Sep 2021 15:46  
 Operator : SY/MD  
 Sample : M3608-20MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBKL5MS

Manual Integrations  
 APPROVED

MMDadoda

9/7/2021 8:49:59 AM

Quant Time: Sep 03 01:01:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 03 00:59:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 368158   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854   | 117   | 345060   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 187532   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 103003   | 40.401   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 80.800%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 83051    | 41.713   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 83.420%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 183103   | 43.425   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.860%  |
| 21) 2-Butanone-d5             | 3.876   | 46    | 165793   | 94.819   | ug/L   | -0.02    |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.820%  |
| 24) Chloroform-d              | 4.352   | 84    | 213173   | 45.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.720%  |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 127090   | 46.413   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.820%  |
| 32) Benzene-d6                | 5.050   | 84    | 425617   | 45.476   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.960%  |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 131402   | 44.644   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 89.280%  |
| 41) Toluene-d8                | 7.317   | 98    | 396307   | 44.857   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.720%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 63798    | 45.540   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.080%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 127270   | 112.693  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 112.690% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 185962   | 49.332   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.660%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 164978   | 44.750   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.500%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 98310    | 38.848   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 99301    | 37.057   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307   | 62    | 104522   | 38.699   | ug/L   | 98       |
| 6) Bromomethane               | 1.513   | 94    | 59482    | 36.630   | ug/L   | 98       |
| 8) Chloroethane               | 1.577   | 64    | 67262    | 39.809   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 169045   | 43.951   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 94276    | 41.790   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 87787    | 41.339   | ug/L   | 96       |
| 13) Acetone                   | 2.163   | 43    | 101984   | 69.612   | ug/L # | 75       |
| 14) Carbon disulfide          | 2.291   | 76    | 249525   | 38.941   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 122040   | 42.775   | ug/L   | 99       |
| 16) Methylene chloride        | 2.507   | 84    | 117252   | 41.211   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 107131   | 41.723   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 366446   | 44.911   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 198083   | 43.315   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 124354   | 43.514   | ug/L   | 96       |
| 22) 2-Butanone                | 3.960   | 43    | 163491   | 79.390   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.249   | 128   | 64864    | 42.619   | ug/L   | 98       |
| 25) Chloroform                | 4.378   | 83    | 207392   | 42.841   | ug/L   | 98       |

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 Sample : M3608-20MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBKL5MS

Manual Integrations  
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9/7/2021 8:49:59 AM

Quant Time: Sep 03 01:01:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 03 00:59:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 147259    | 45.380   | ug/L  | 100      |
| 29) Cyclohexane               | 4.677  | 56   | 167535    | 43.433   | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 183236    | 44.680   | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 157295    | 44.643   | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 571171    | 56.894   | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 115636    | 40.664   | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.133  | 83   | 178044    | 42.828   | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 116145    | 44.631   | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 149411    | 44.895   | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 185380    | 46.139   | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 333679    | 94.580   | ug/L  | 99       |
| 42) Toluene                   | 7.387  | 91   | 939419    | 86.700   | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 174720    | 46.724   | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 119805    | 45.246   | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.979  | 164  | 96829     | 43.791   | ug/L  | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 247606    | 90.454   | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 131258    | 46.310   | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 127864    | 44.994   | ug/L  | 98       |
| 51) Chlorobenzene             | 8.882  | 112  | 320356    | 43.975   | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 1913201   | 163.113  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 621605    | 136.347  | ug/L  | 99       |
| 54) o-Xylene                  | 9.545  | 106  | 456665    | 101.236  | ug/L  | 96       |
| 55) Styrene                   | 9.561  | 104  | 397590    | 51.647   | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 189328    | 49.350   | ug/L  | 99       |
| 59) Bromoform                 | 9.735  | 173  | 94902     | 47.647   | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.934  | 105  | 558144    | 47.366   | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 145532    | 44.777   | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 586253    | 59.261   | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 867547    | 86.278   | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 264332    | 44.181   | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 263353    | 43.016   | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 260636    | 43.874   | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 46843     | 59.800   | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 211305    | 47.233   | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 201682    | 51.248   | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 20318817m | 1794.857 | ug/L  |          |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 187778    | 48.920   | ug/L  | 97       |

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

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Sample : M3608-20MS  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

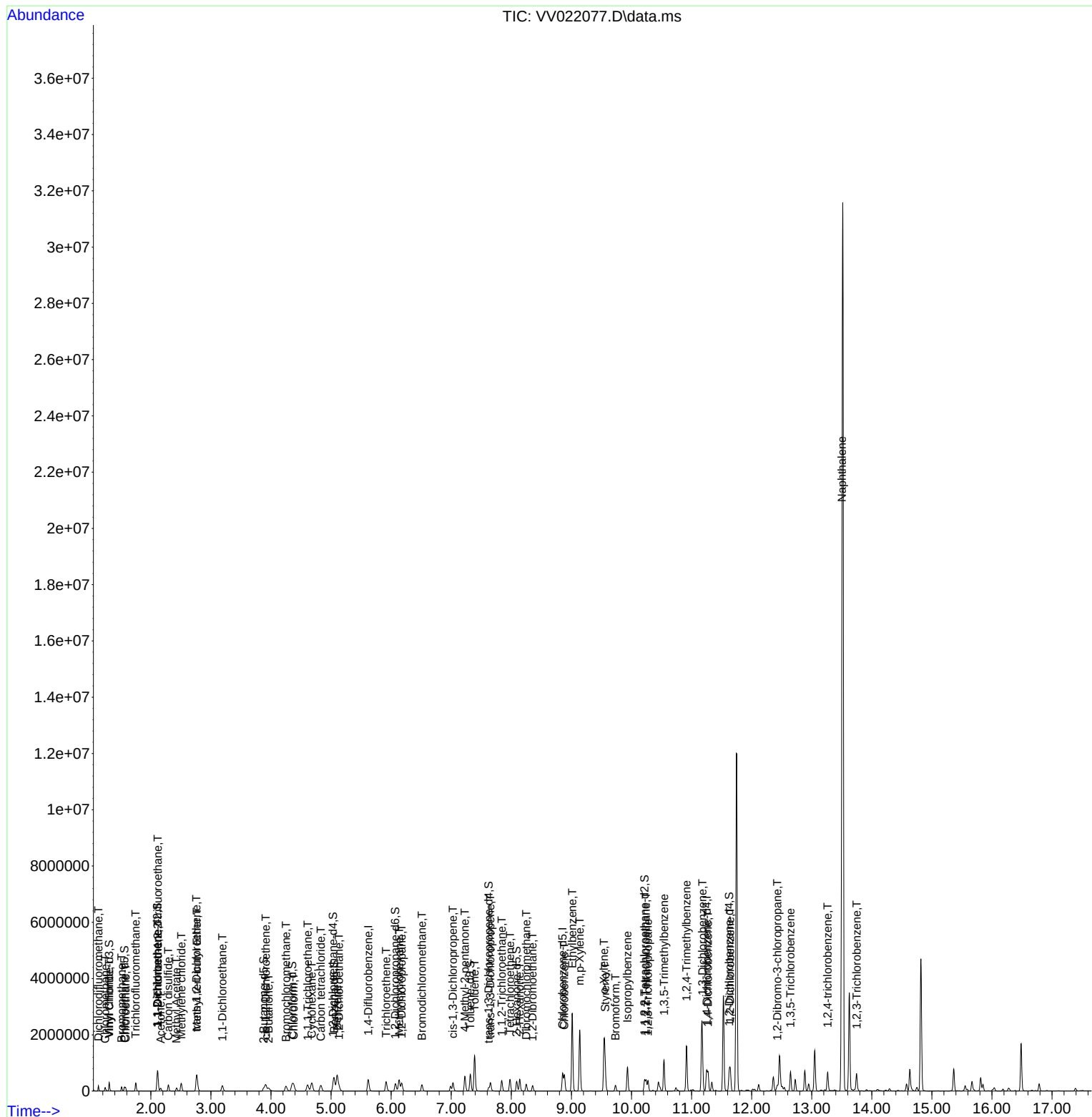
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

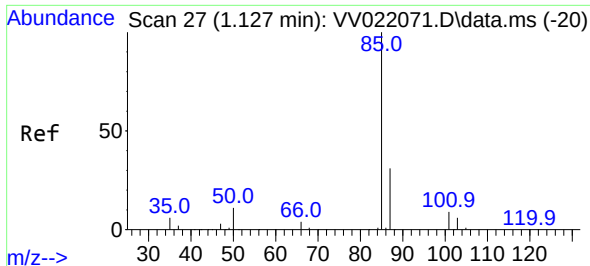
Manual Integrations  
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9/7/2021 8:49:59 AM

Quant Time: Sep 03 01:01:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Sep 03 00:59:14 2021  
Response via : Initial Calibration





#2  
Dichlorodifluoromethane  
Concen: 38.848 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

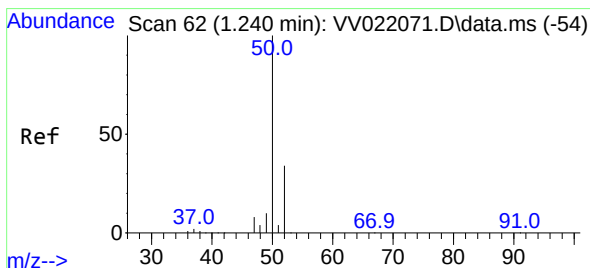
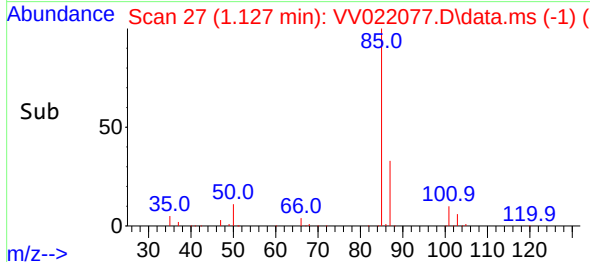
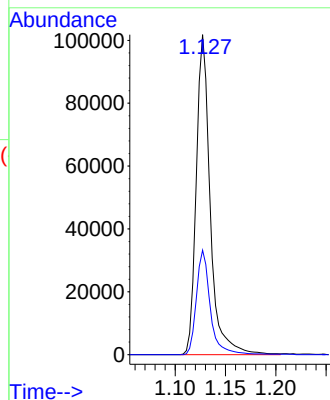
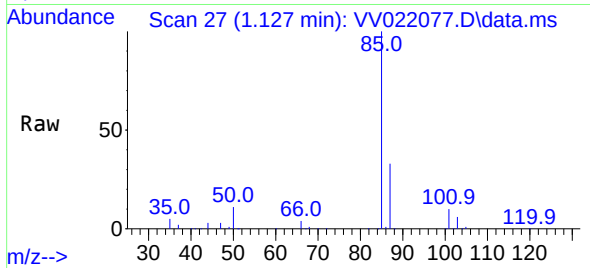
Tgt Ion: 85 Resp: 98310  
Ion Ratio Lower Upper  
85 100  
87 32.6 26.0 39.0

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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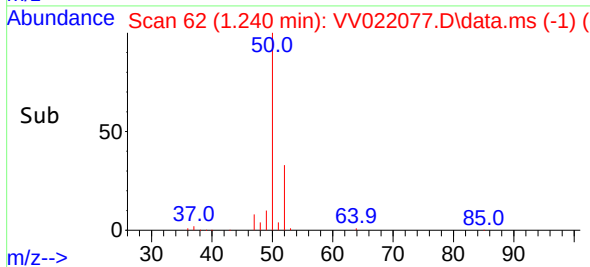
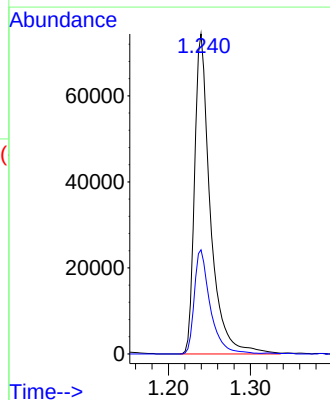
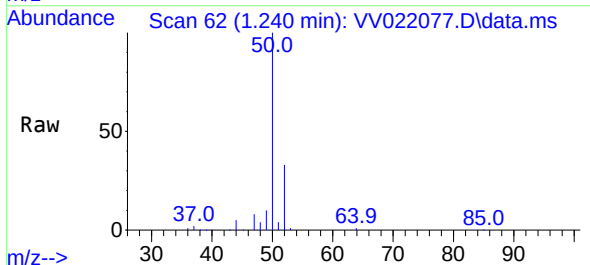
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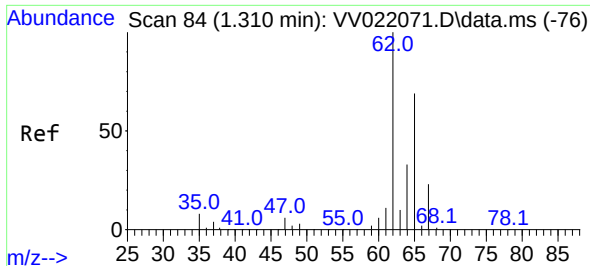
9/7/2021 8:49:59 AM



#3  
Chloromethane  
Concen: 37.057 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 50 Resp: 99301  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.5 41.9





#5  
 Vinyl chloride  
 Concen: 38.699 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.003 min  
 Lab File: VV022077.D  
 Acq: 02 Sep 2021 15:46

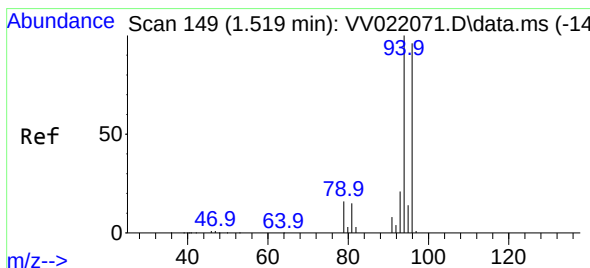
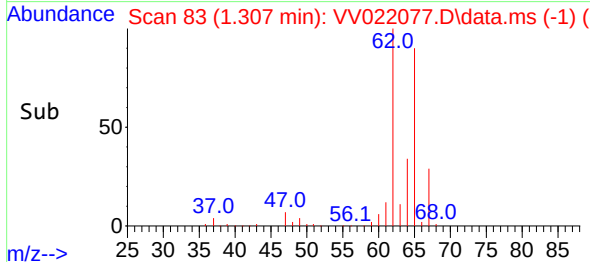
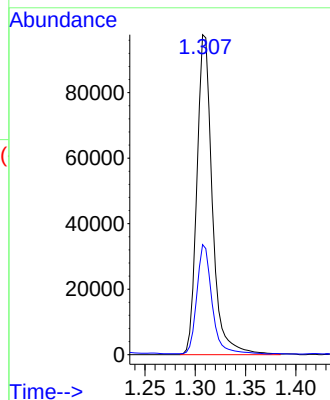
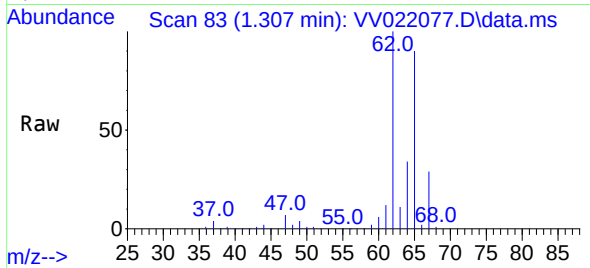
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 Ion Ratio Lower Upper  
 62 100  
 64 34.4 23.4 43.6

Instrument :  
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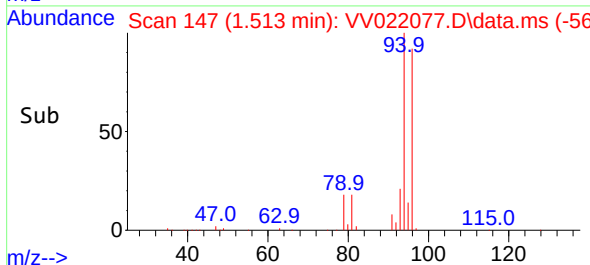
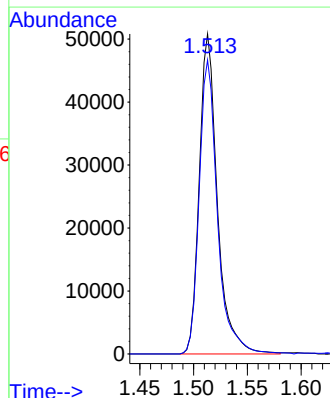
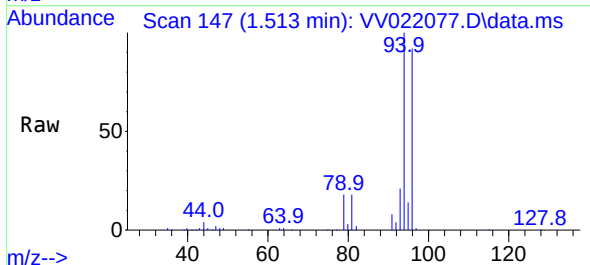
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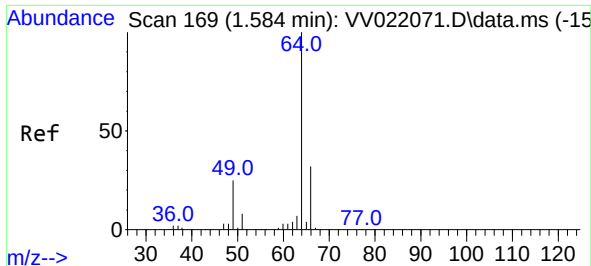
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#6  
 Bromomethane  
 Concen: 36.630 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VV022077.D  
 Acq: 02 Sep 2021 15:46

Tgt Ion: 94 Resp: 59482  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 65.8 122.2





#8  
Chloroethane  
Concen: 39.809 ug/L  
RT: 1.577 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

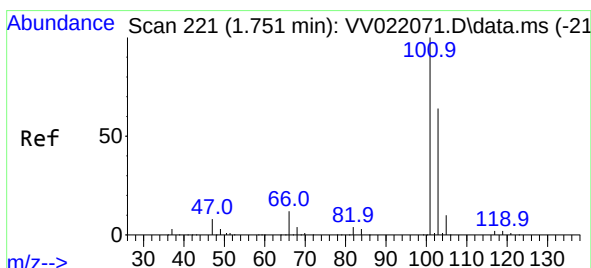
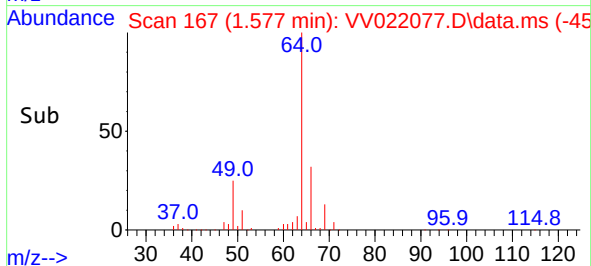
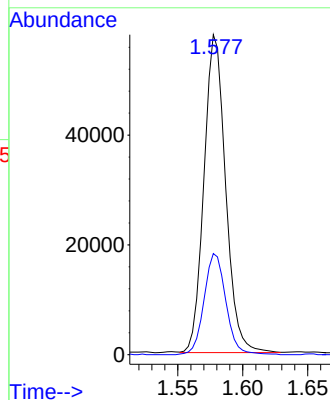
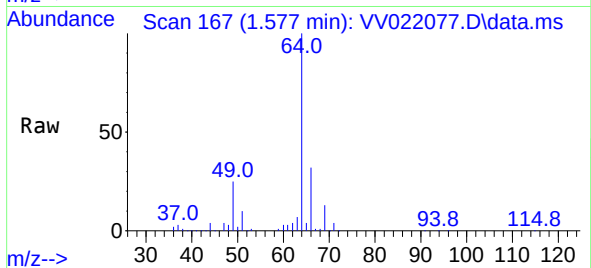
Tgt Ion: 64 Resp: 67262  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.7 42.3

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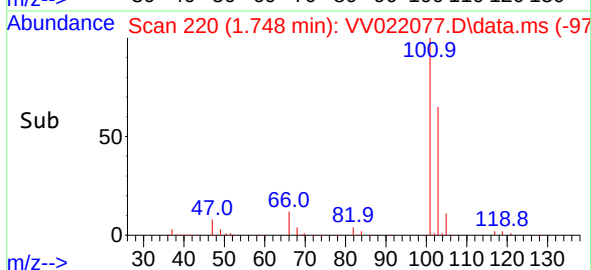
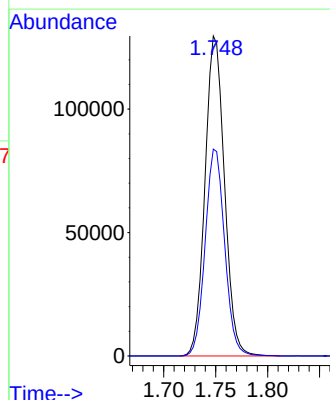
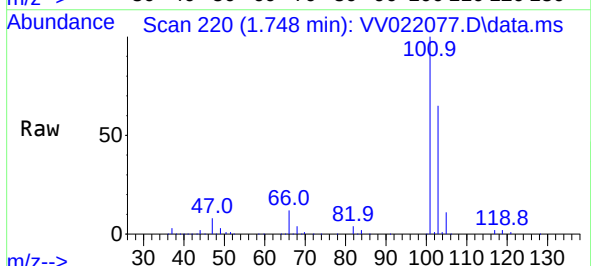
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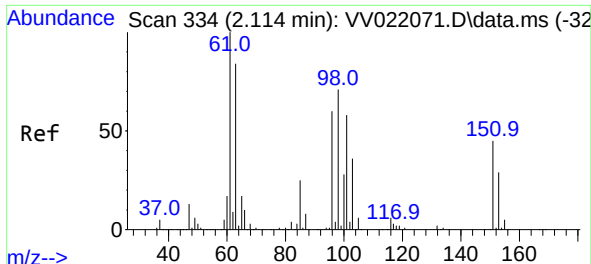
9/7/2021 8:49:59 AM



#9  
Trichlorofluoromethane  
Concen: 43.951 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion:101 Resp: 169045  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.4 77.0





#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 41.790 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

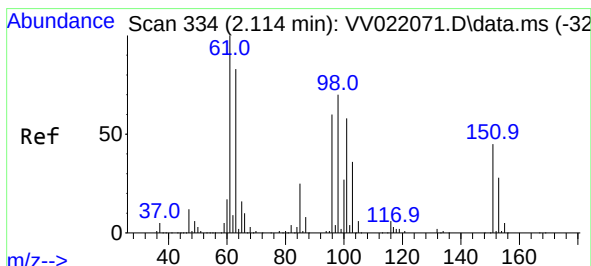
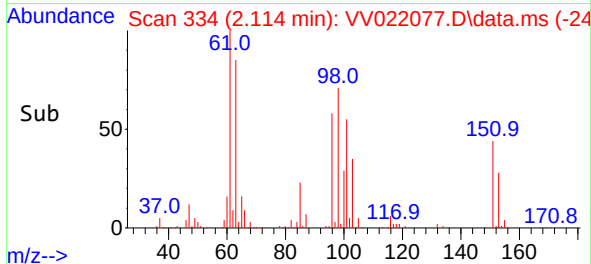
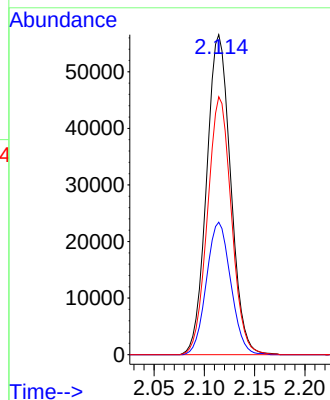
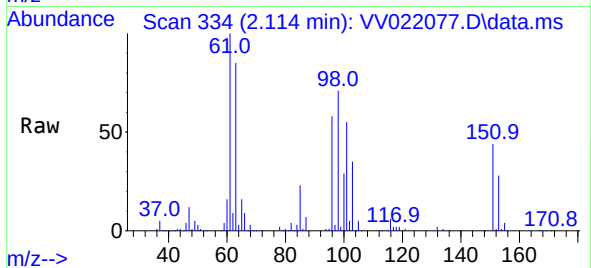
Tgt Ion: 101 Resp: 94276  
Ion Ratio Lower Upper  
101 100  
85 41.8 33.4 50.0  
151 80.1 61.7 92.5

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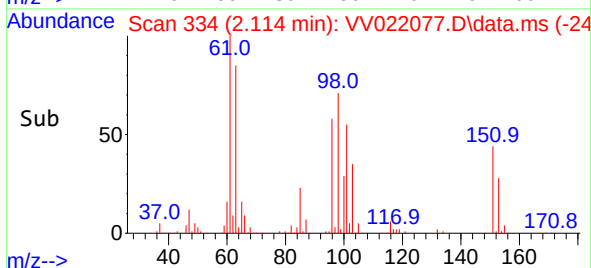
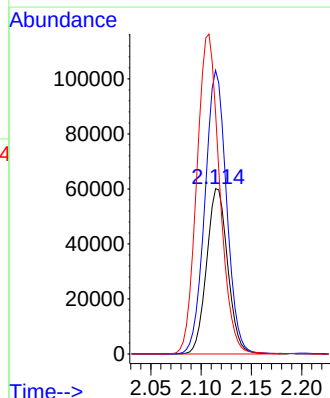
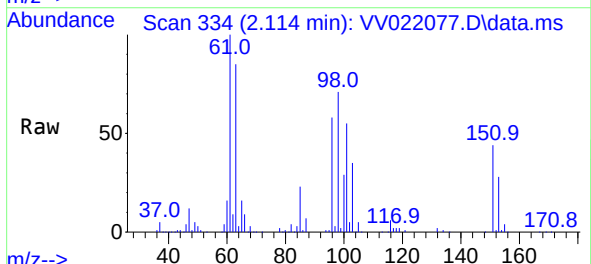
MMDadoda

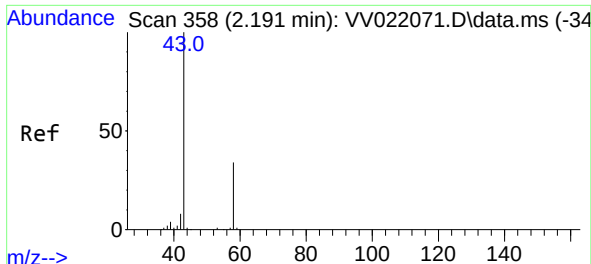
9/7/2021 8:49:59 AM



#12  
1,1-Dichloroethene  
Concen: 41.339 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 96 Resp: 87787  
Ion Ratio Lower Upper  
96 100  
61 171.7 113.2 210.2  
63 146.2 102.3 189.9





#13  
Acetone  
Concen: 69.612 ug/L  
RT: 2.163 min Scan# 349  
Delta R.T. -0.029 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

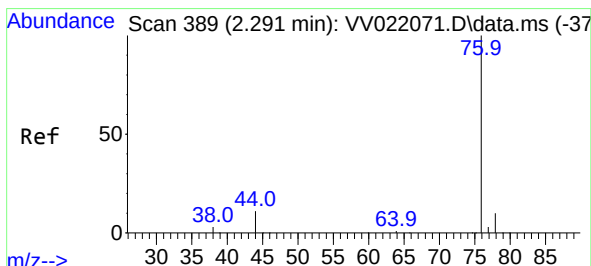
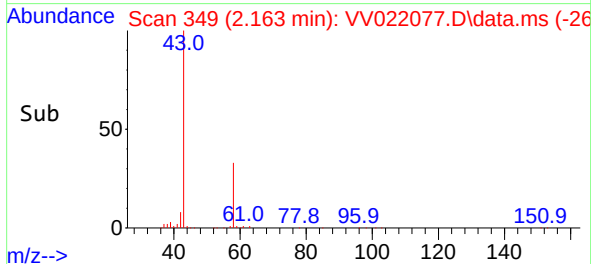
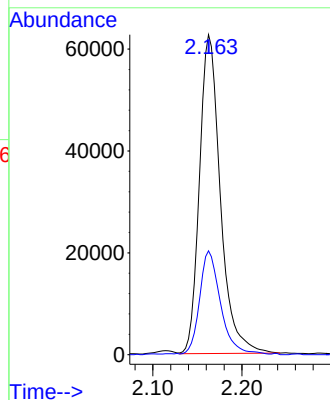
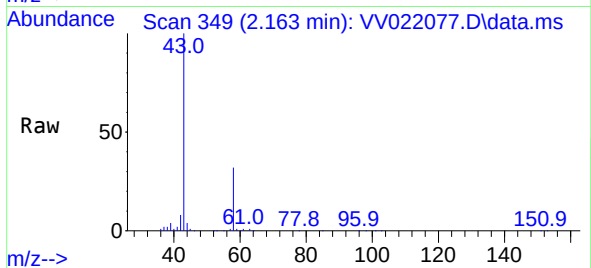
Tgt Ion: 43 Resp: 101984  
Ion Ratio Lower Upper  
43 100  
58 32.8 0.0 0.4#

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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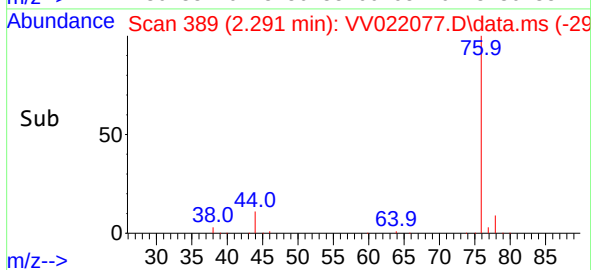
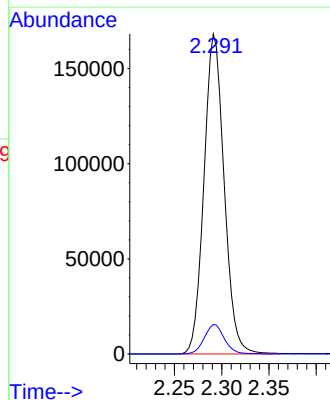
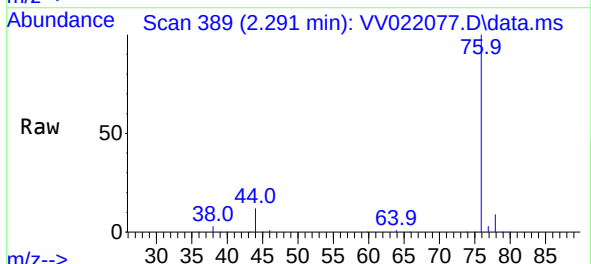
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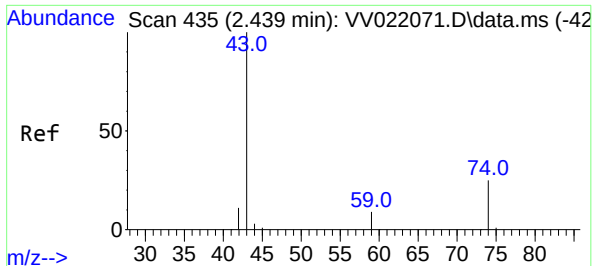


#14  
Carbon disulfide  
Concen: 38.941 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 76 Resp: 249525  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.2







#15  
Methyl Acetate  
Concen: 42.775 ug/L  
RT: 2.426 min Scan# 431  
Delta R.T. -0.013 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

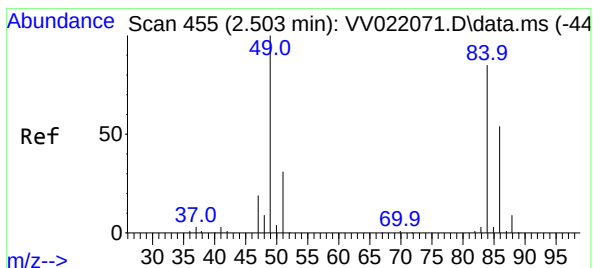
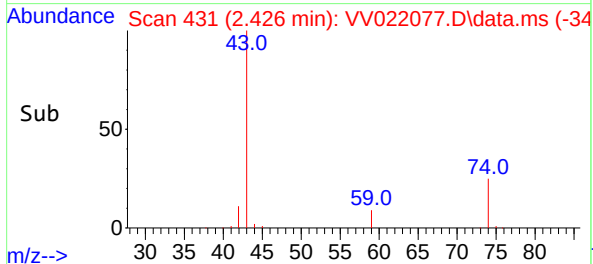
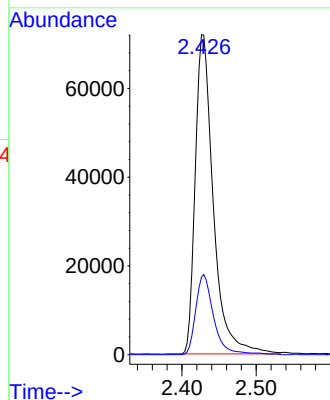
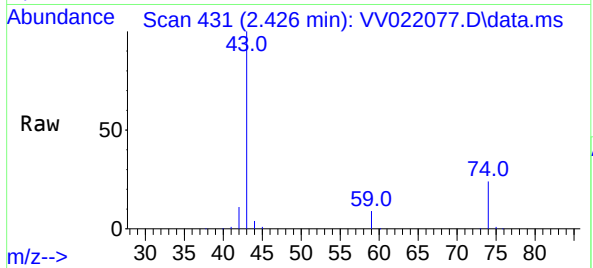
Tgt Ion: 43 Resp: 122040  
Ion Ratio Lower Upper  
43 100  
74 24.6 20.2 30.2

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
APPROVED

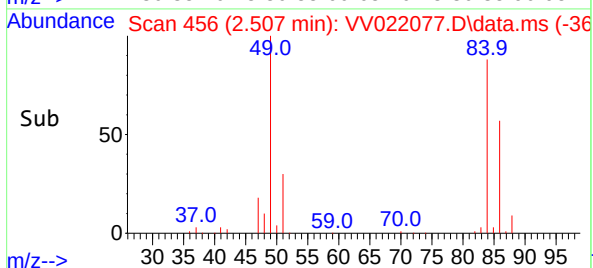
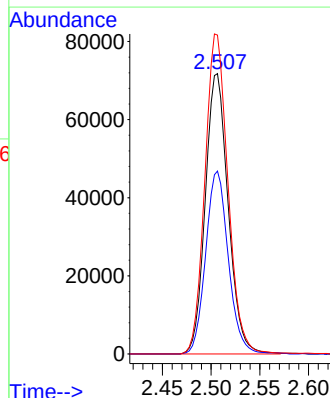
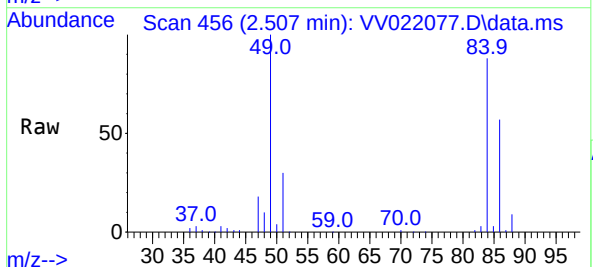
MMDadoda

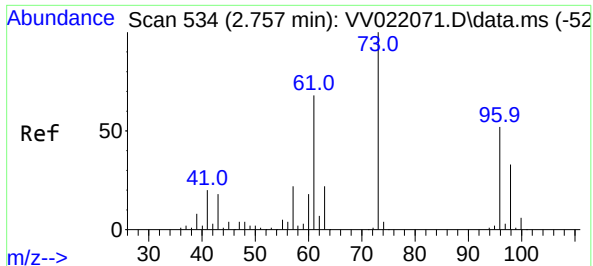
9/7/2021 8:49:59 AM



#16  
Methylene chloride  
Concen: 41.211 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 84 Resp: 117252  
Ion Ratio Lower Upper  
84 100  
86 65.2 44.8 83.2  
49 113.7 80.2 149.0





#17  
trans-1,2-Dichloroethene  
Concen: 41.723 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 96 Resp: 107131  

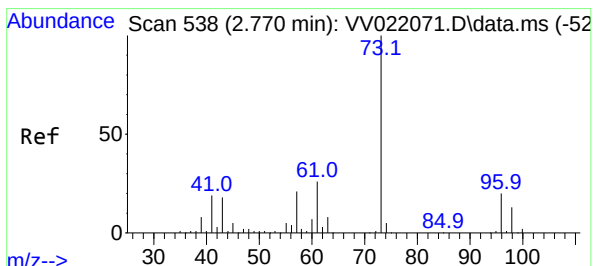
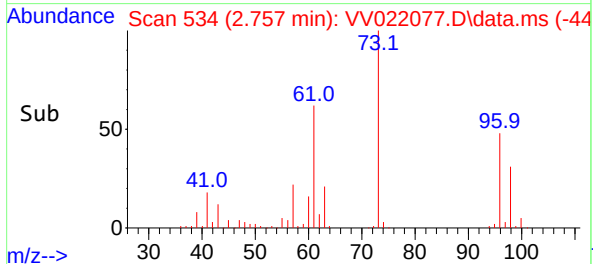
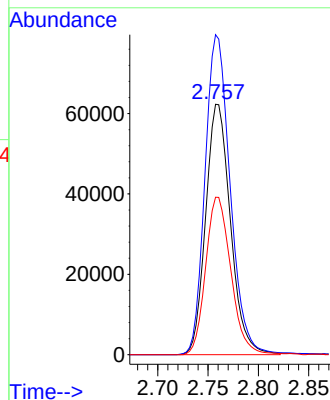
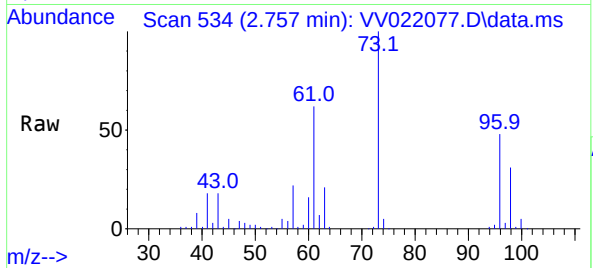
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 127.8 | 89.1  | 165.5 |
| 98  | 62.9  | 43.8  | 81.3  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
APPROVED

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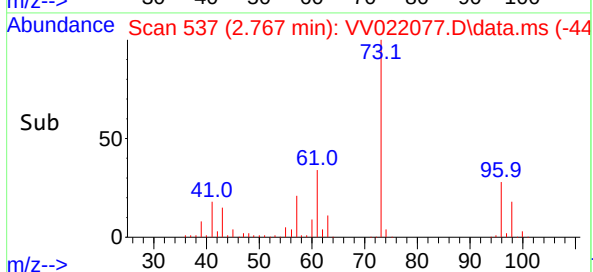
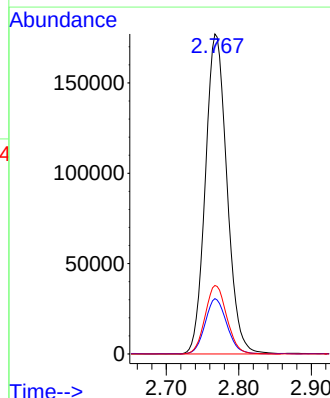
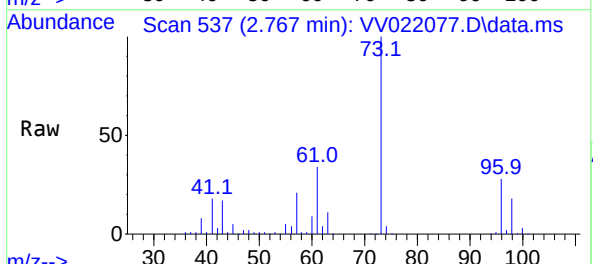
9/7/2021 8:49:59 AM

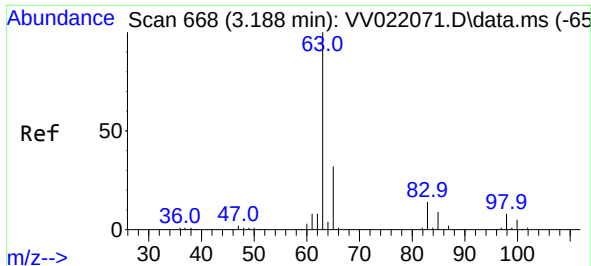


#18  
Methyl tert-butyl Ether  
Concen: 44.911 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 73 Resp: 366446  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 17.2  | 13.8  | 20.6  |
| 57  | 21.5  | 17.1  | 25.7  |





#19  
1,1-Dichloroethane  
Concen: 43.315 ug/L  
RT: 3.188 min Scan# 668  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

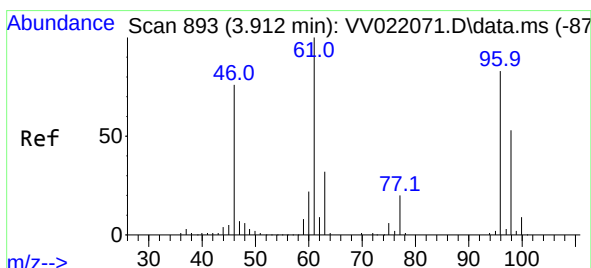
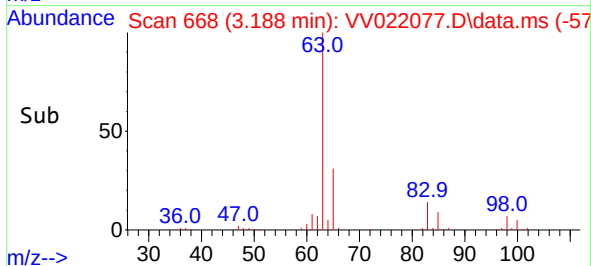
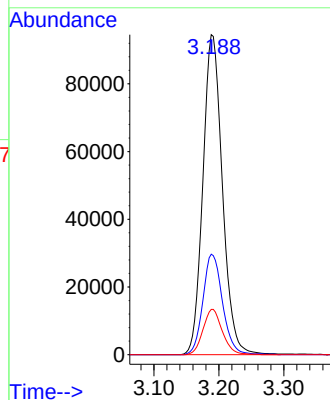
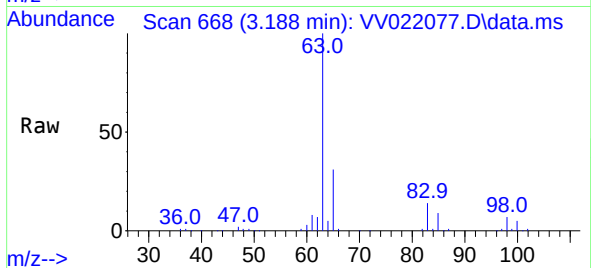
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 198083 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 31.4  | 22.2  | 41.2   |
| 83       | 14.2  | 9.7   | 17.9   |

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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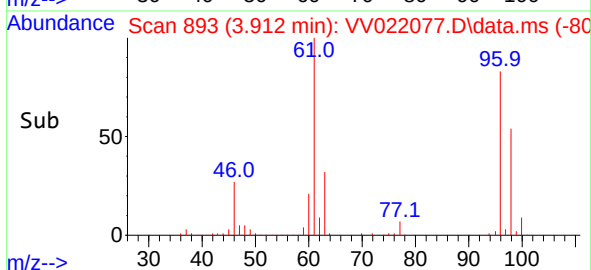
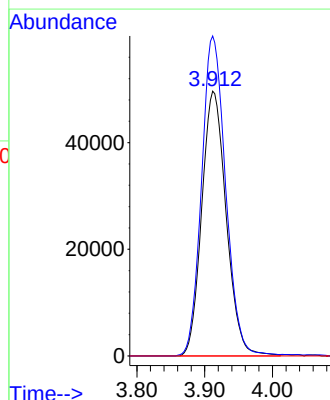
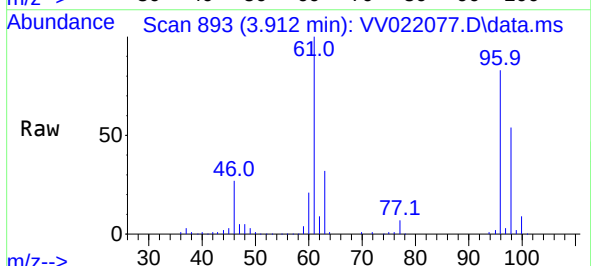
MMDadoda

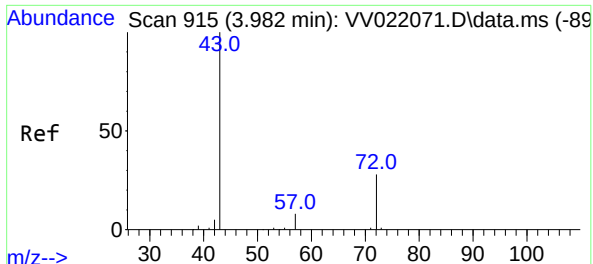
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#20  
cis-1,2-Dichloroethene  
Concen: 43.514 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

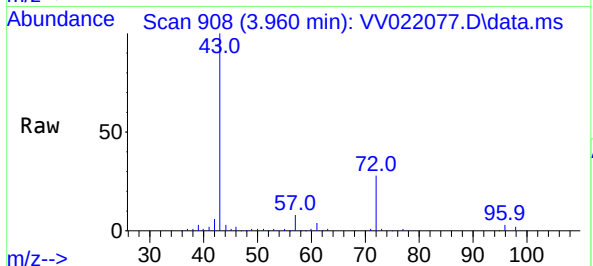
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 124354 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 120.9 | 81.8  | 152.0  |
| 68       | 0.0   | 0.0   | 0.0    |





#22  
2-Butanone  
Concen: 79.390 ug/L  
RT: 3.960 min Scan# 908  
Delta R.T. -0.022 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

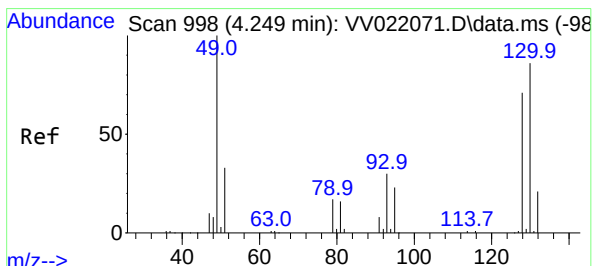
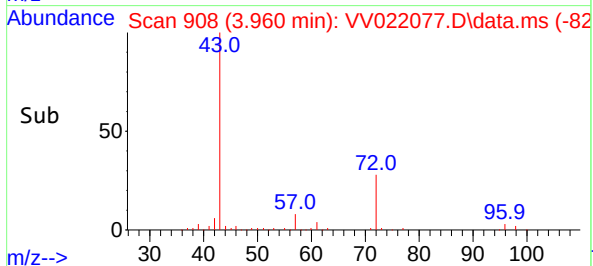
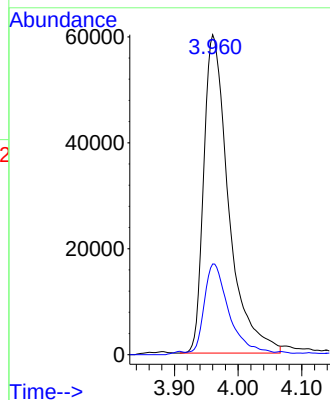


Tgt Ion: 43 Resp: 163491  
Ion Ratio Lower Upper  
43 100  
72 28.8 13.3 39.8

Manual Integrations  
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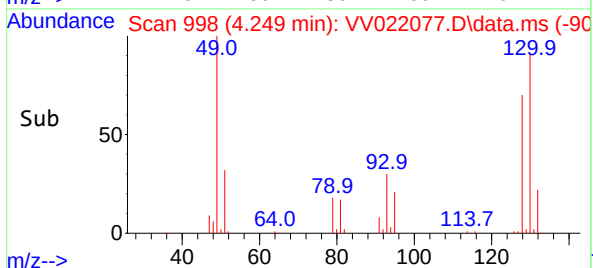
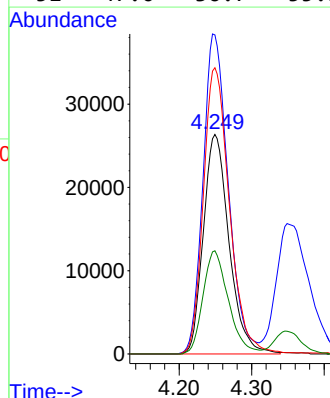
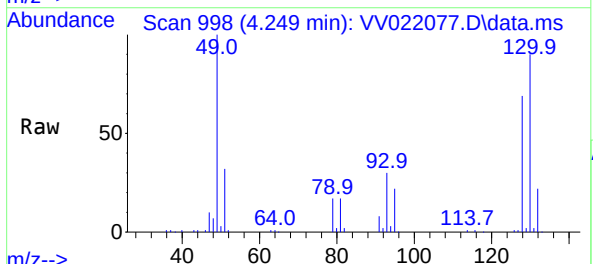
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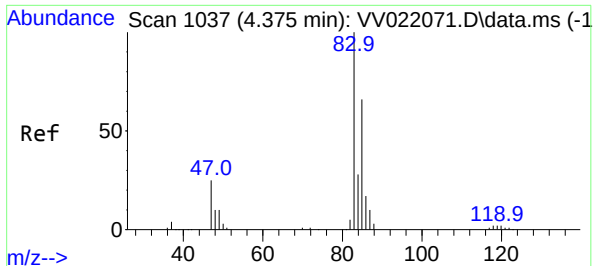
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#23  
Bromochloromethane  
Concen: 42.619 ug/L  
RT: 4.249 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 128 Resp: 64864  
Ion Ratio Lower Upper  
128 100  
49 145.3 101.6 188.8  
130 130.4 88.5 164.3  
51 47.0 36.7 55.1





#25

Chloroform  
Concen: 42.841 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

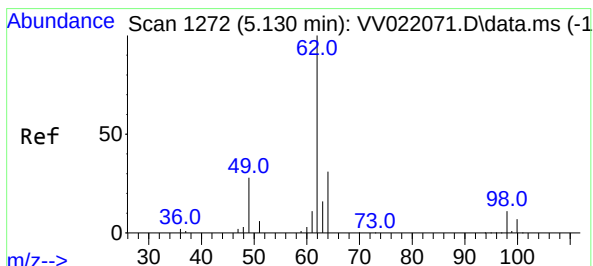
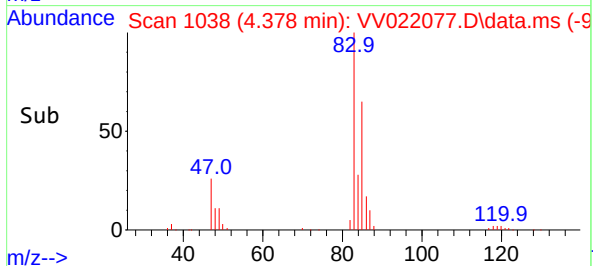
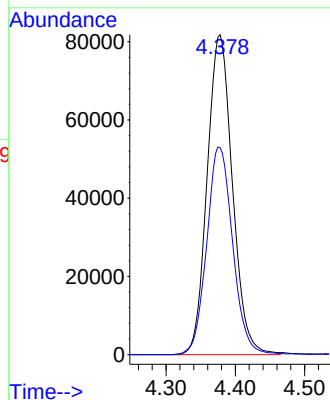
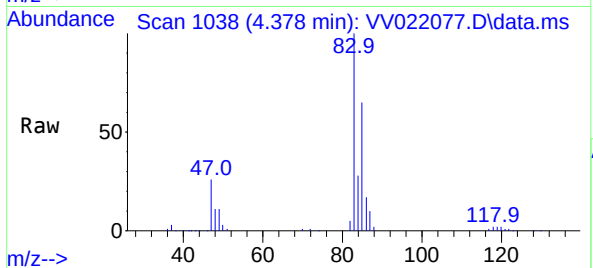
Tgt Ion: 83 Resp: 207392  
Ion Ratio Lower Upper  
83 100  
85 64.7 46.3 85.9

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
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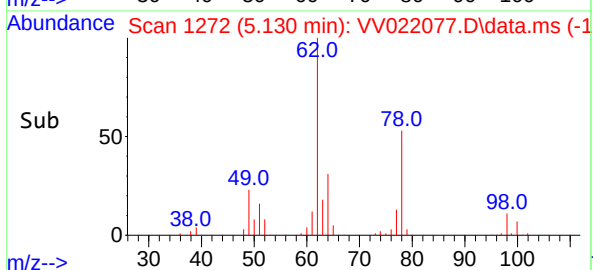
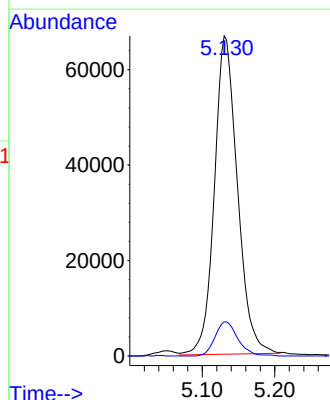
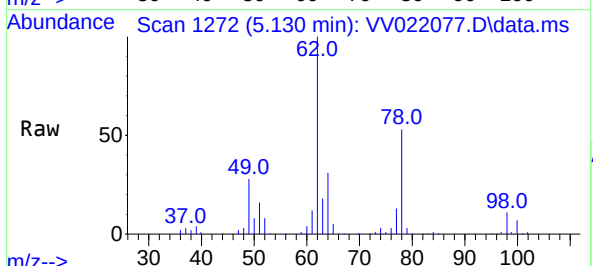
9/7/2021 8:49:59 AM

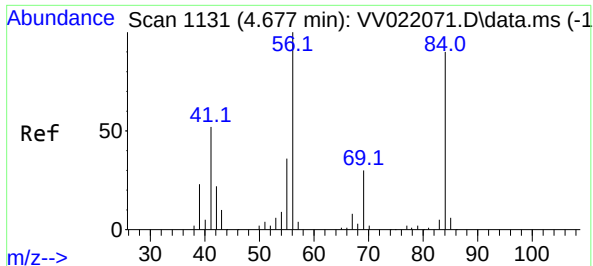


#27

1,2-Dichloroethane  
Concen: 45.380 ug/L  
RT: 5.130 min Scan# 1272  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 62 Resp: 147259  
Ion Ratio Lower Upper  
62 100  
98 10.6 8.5 12.7





#29

Cyclohexane

Concen: 43.433 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VV022077.D

Acq: 02 Sep 2021 15:46

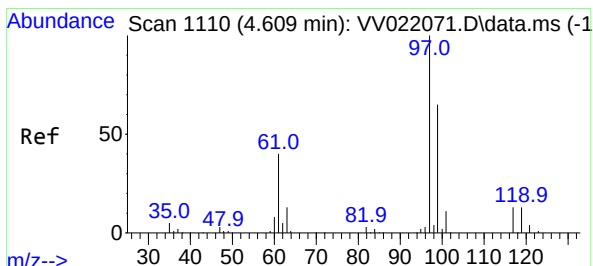
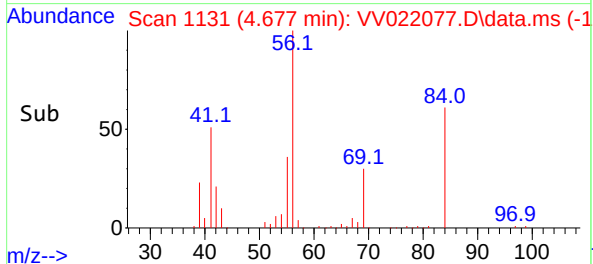
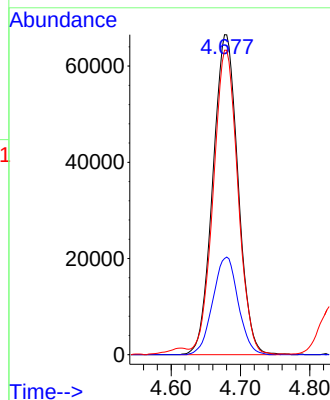
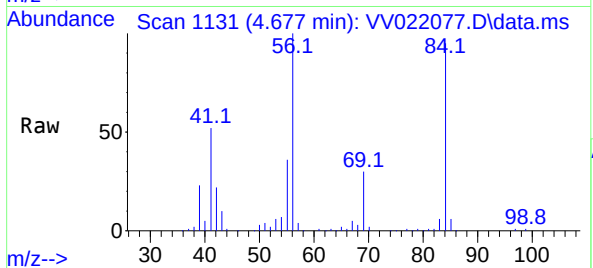
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 167535 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 30.8  | 25.2  | 37.8   |
| 84       | 93.5  | 74.6  | 111.8  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
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#30

1,1,1-Trichloroethane

Concen: 44.680 ug/L

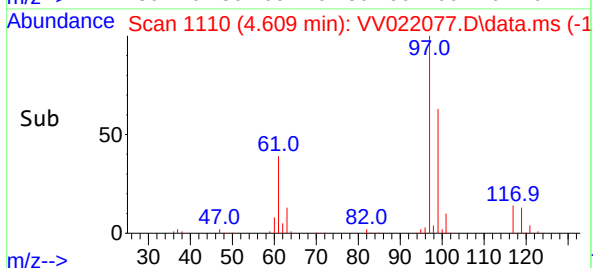
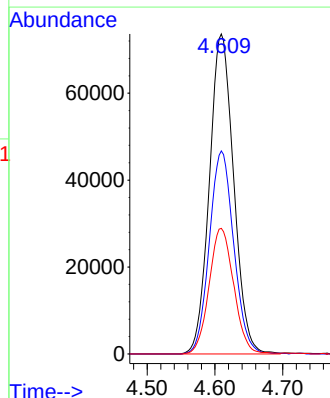
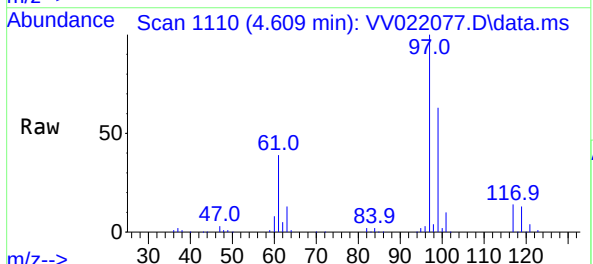
RT: 4.609 min Scan# 1110

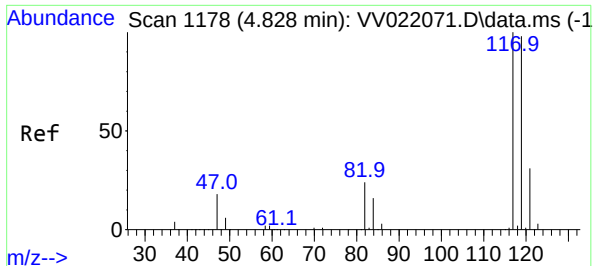
Delta R.T. 0.000 min

Lab File: VV022077.D

Acq: 02 Sep 2021 15:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 183236 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.7  | 52.0  | 78.0   |
| 61       | 39.7  | 31.8  | 47.8   |





#31  
Carbon tetrachloride  
Concen: 44.643 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

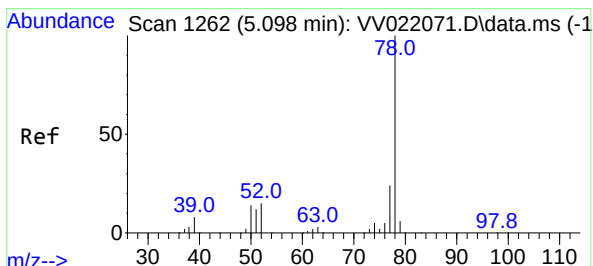
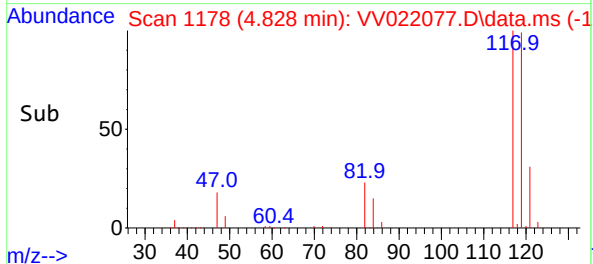
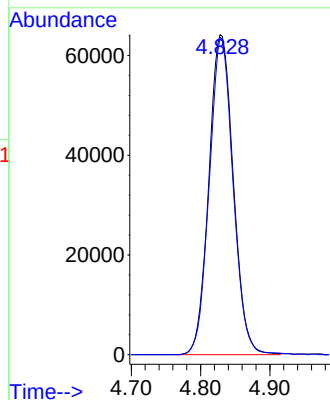
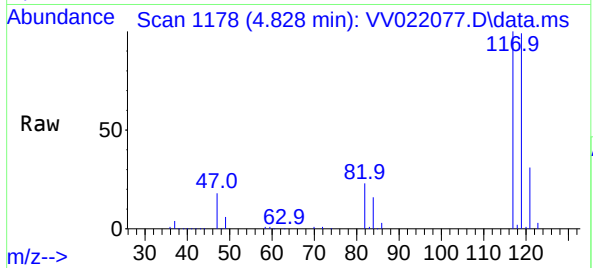
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Tgt Ion:117 Resp: 157295  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.6 114.8

Manual Integrations  
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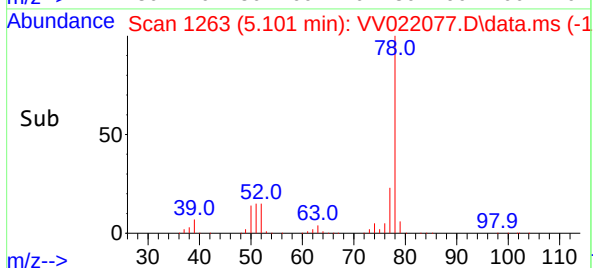
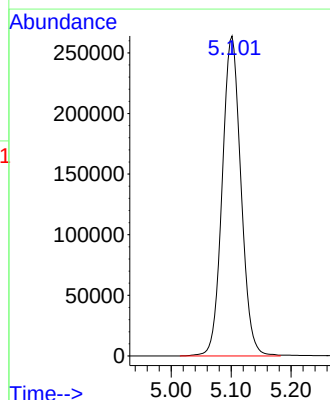
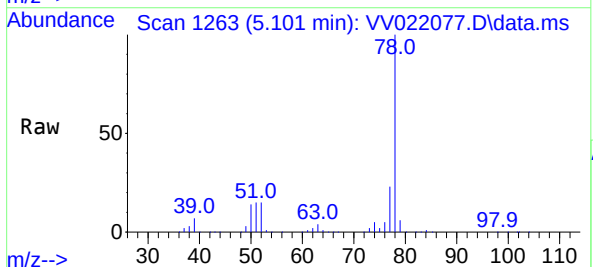
MMDadoda

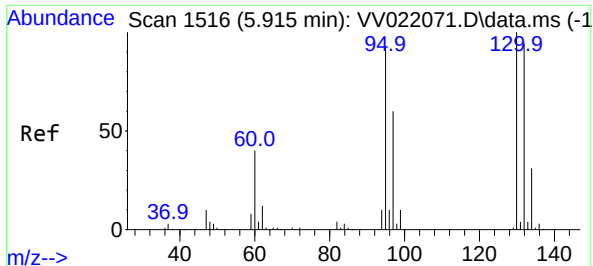
9/7/2021 8:49:59 AM



#33  
Benzene  
Concen: 56.894 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 78 Resp: 571171





#34

Trichloroethene

Concen: 40.664 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VV022077.D

Acq: 02 Sep 2021 15:46

Tgt Ion: 95 Resp: 115636

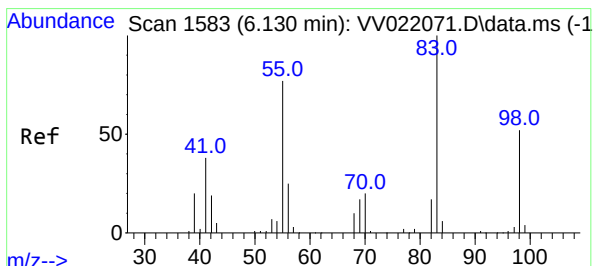
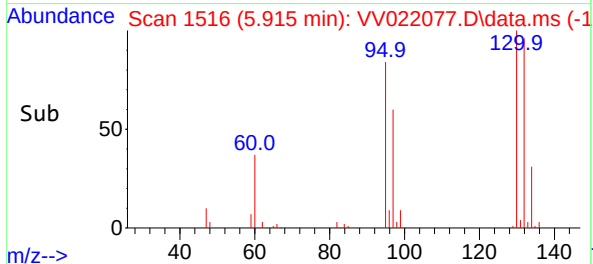
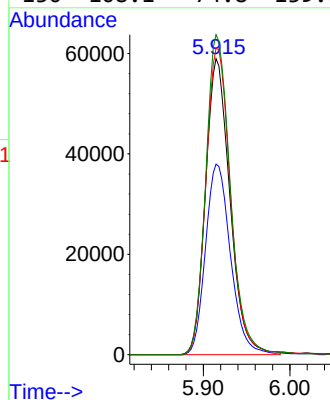
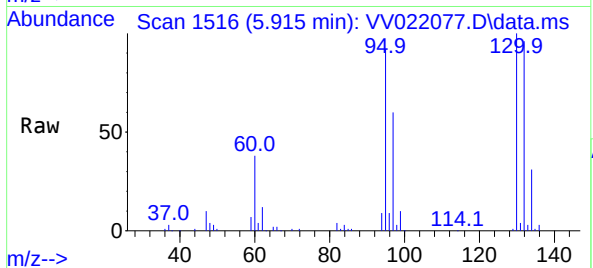
Ion Ratio Lower Upper

95 100

97 64.4 44.1 81.9

132 103.6 70.7 131.3

130 108.1 74.8 139.0



#35

Methylcyclohexane

Concen: 42.828 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV022077.D

Acq: 02 Sep 2021 15:46

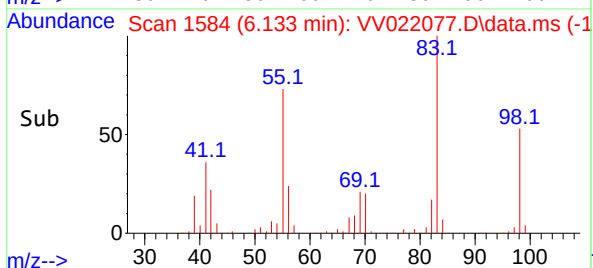
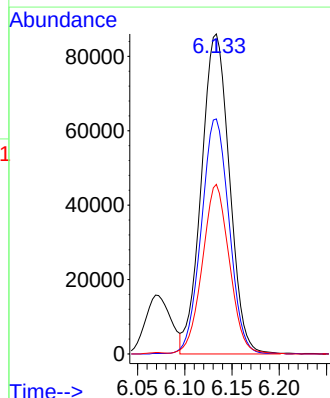
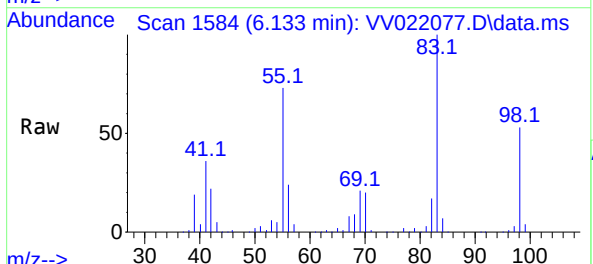
Tgt Ion: 83 Resp: 178044

Ion Ratio Lower Upper

83 100

55 72.5 56.8 85.2

98 51.1 39.9 59.9



Instrument :

MSVOA\_V

ClientSampleId :

DBKL5MS

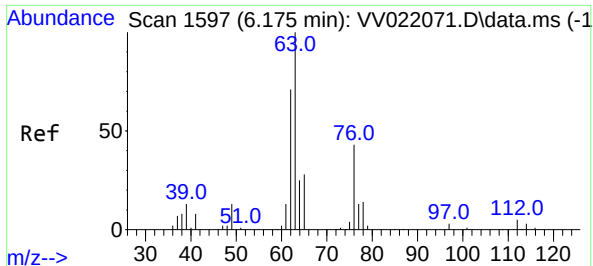
Manual Integrations

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#37  
1,2-Dichloropropane  
Concen: 44.631 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

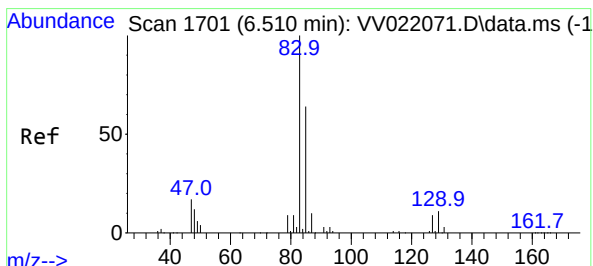
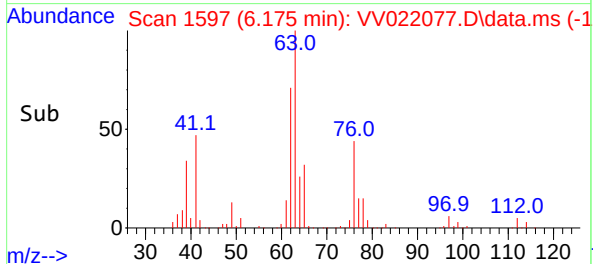
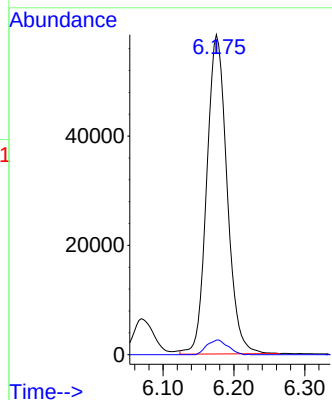
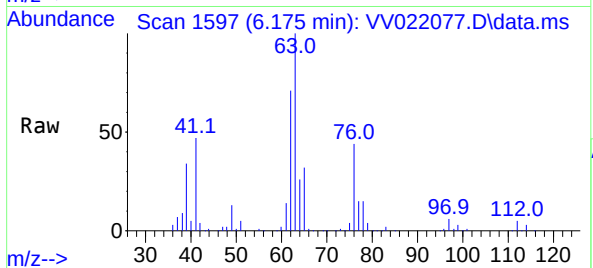
Tgt Ion: 63 Resp: 116145  
Ion Ratio Lower Upper  
63 100  
112 4.8 3.8 5.6

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
APPROVED

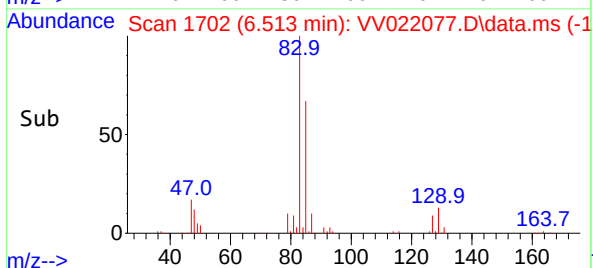
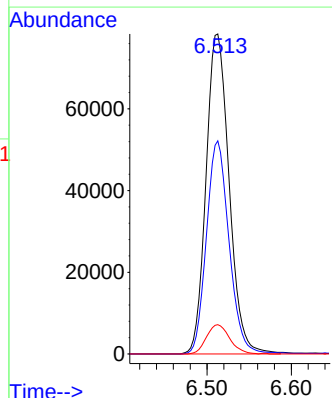
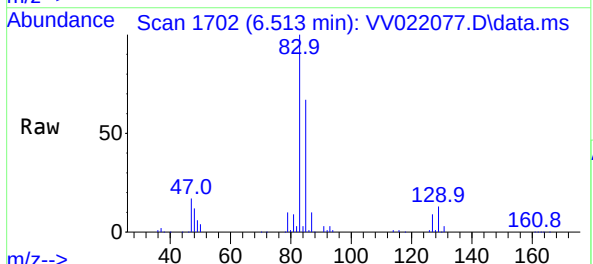
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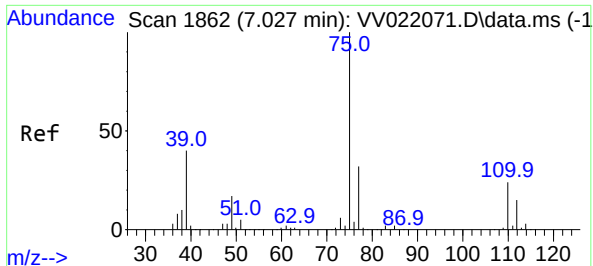
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#38  
Bromodichloromethane  
Concen: 44.895 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 83 Resp: 149411  
Ion Ratio Lower Upper  
83 100  
85 66.6 44.8 83.2  
127 9.1 7.3 10.9





#39  
 cis-1,3-Dichloropropene  
 Concen: 46.139 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. 0.000 min  
 Lab File: VV022077.D  
 Acq: 02 Sep 2021 15:46

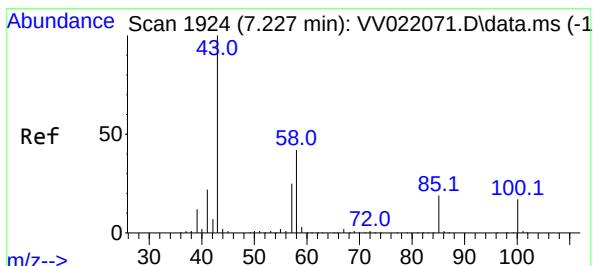
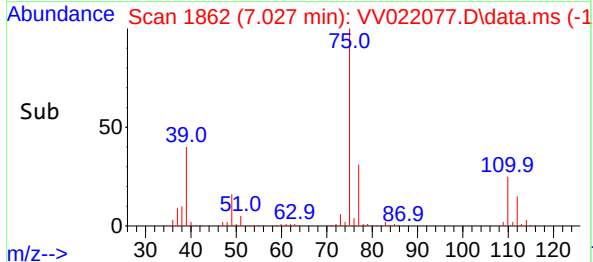
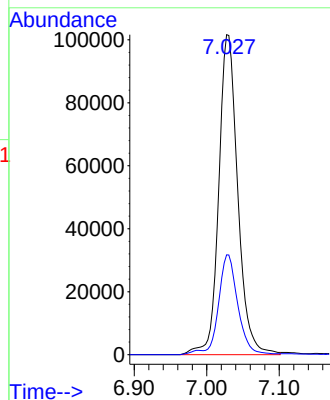
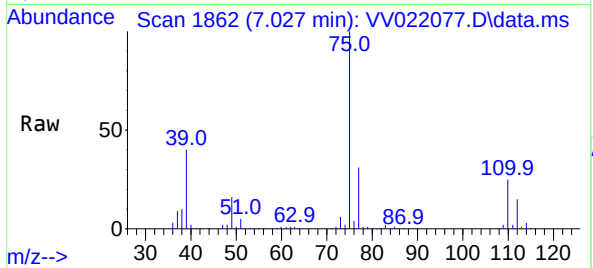
Tgt Ion: 75 Resp: 185380  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 22.7 42.1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBKL5MS

Manual Integrations  
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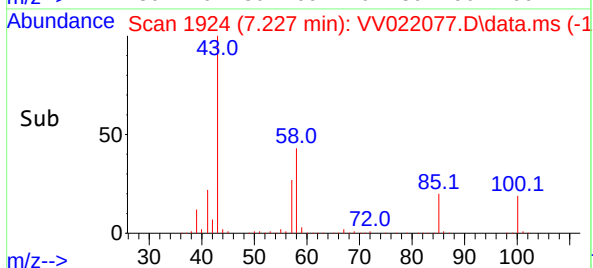
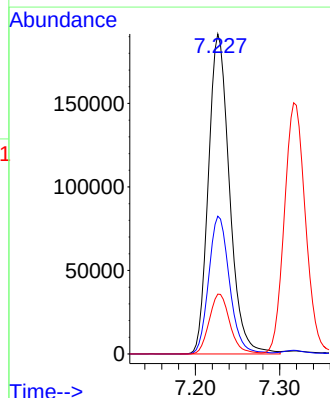
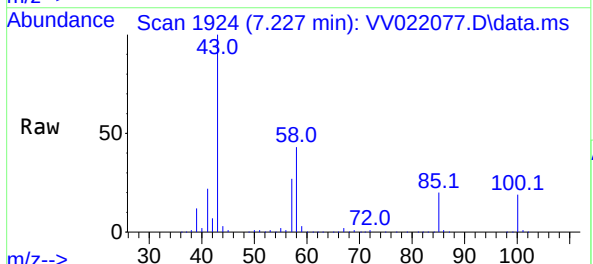
MMDadoda

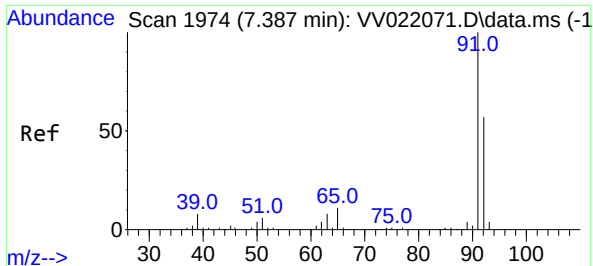
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#40  
 4-Methyl-2-pentanone  
 Concen: 94.580 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. 0.000 min  
 Lab File: VV022077.D  
 Acq: 02 Sep 2021 15:46

Tgt Ion: 43 Resp: 333679  
 Ion Ratio Lower Upper  
 43 100  
 58 42.6 33.3 49.9  
 100 18.3 14.5 21.7





#42

Toluene

Concen: 86.700 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV022077.D

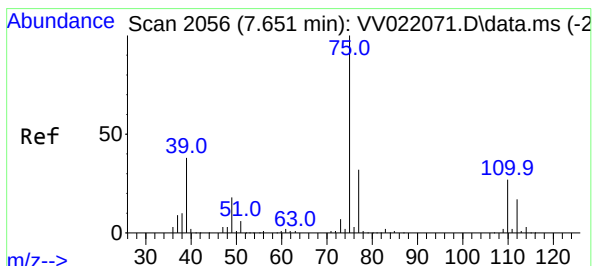
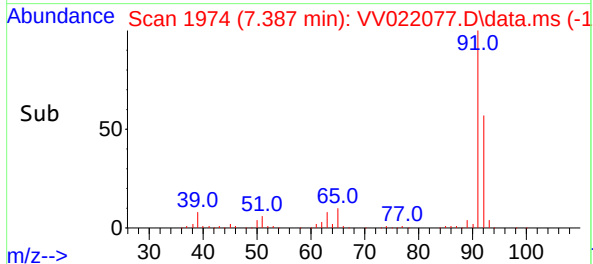
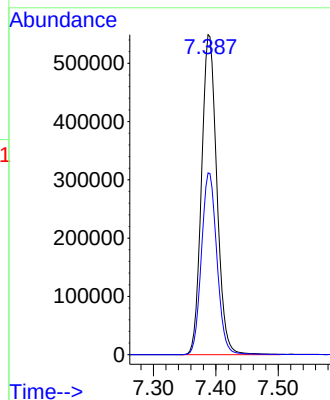
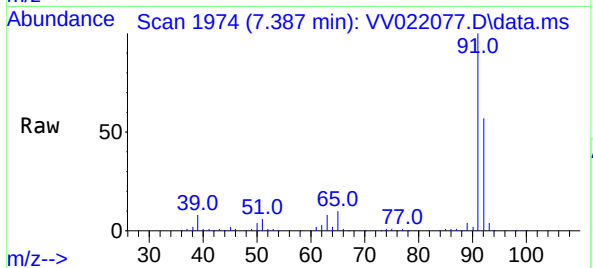
Acq: 02 Sep 2021 15:46

Tgt Ion: 91 Resp: 939419

Ion Ratio Lower Upper

91 100

92 56.8 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 46.724 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV022077.D

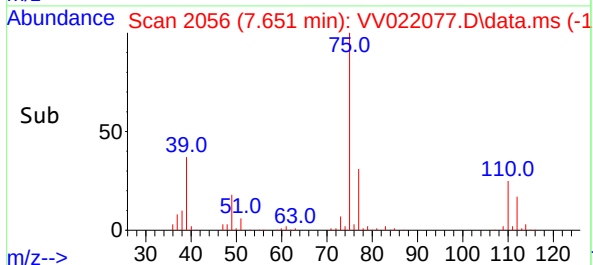
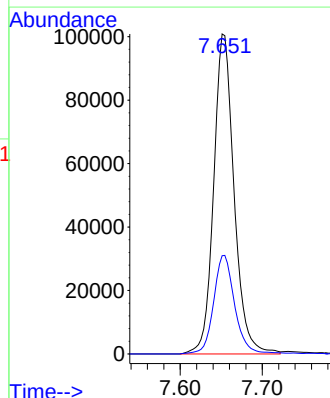
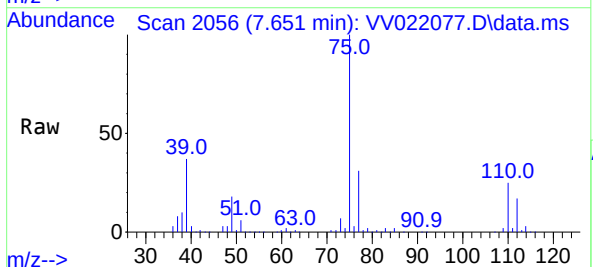
Acq: 02 Sep 2021 15:46

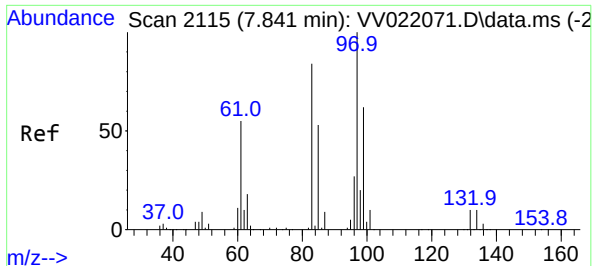
Tgt Ion: 75 Resp: 174720

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6





#45  
1,1,2-Trichloroethane  
Concen: 45.246 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

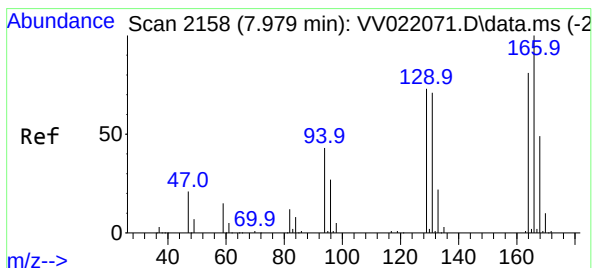
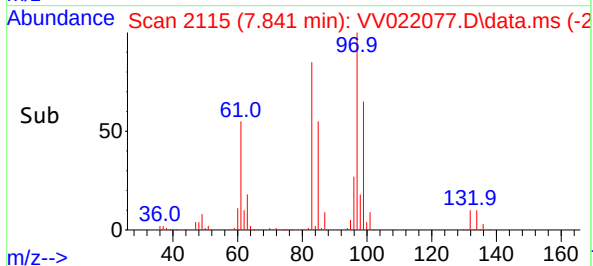
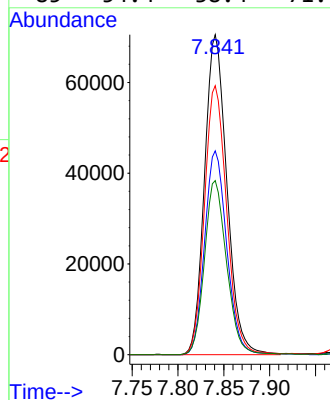
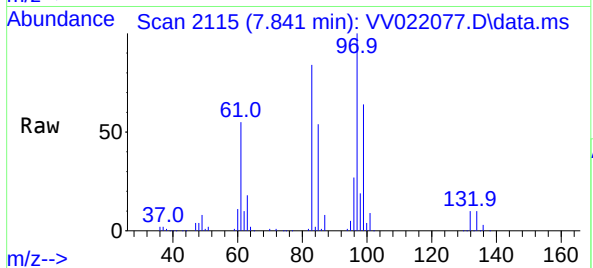
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 119805 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.7  | 43.8  | 81.4   |
| 83       | 84.0  | 58.8  | 109.2  |
| 85       | 54.4  | 38.4  | 71.4   |

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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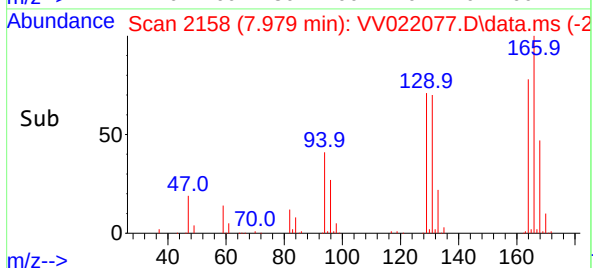
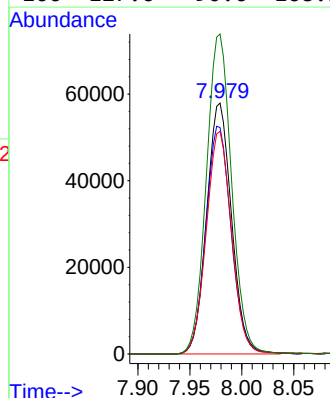
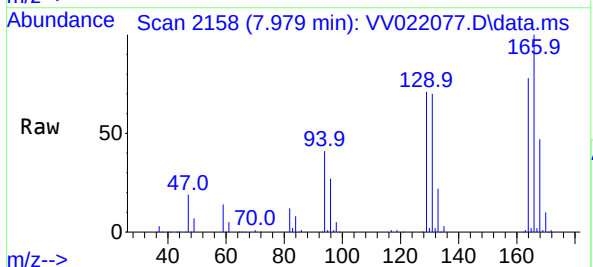
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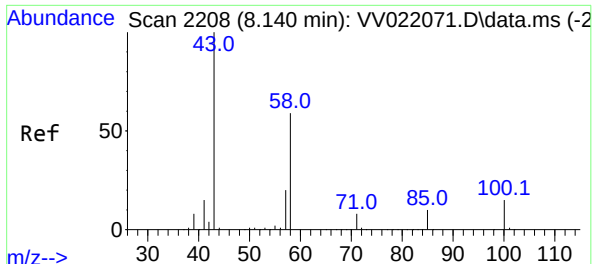
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#46  
Tetrachloroethene  
Concen: 43.791 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 96829 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.3  | 62.9  | 116.9 |
| 131      | 88.7  | 61.0  | 113.4 |
| 166      | 127.6 | 90.6  | 168.3 |





#48  
2-Hexanone  
Concen: 90.454 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 43 Resp: 247606

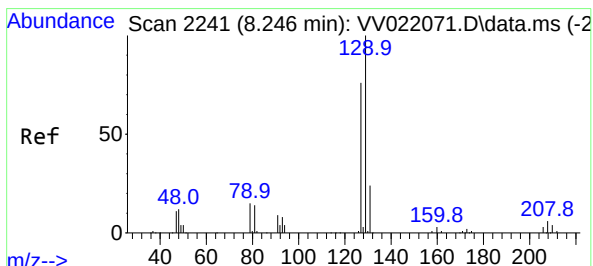
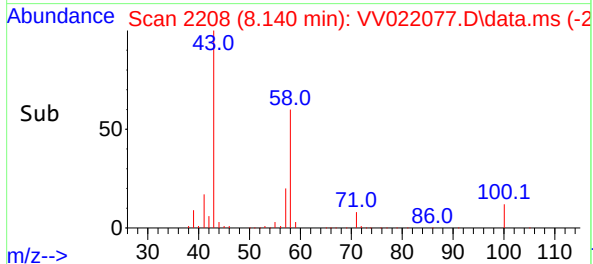
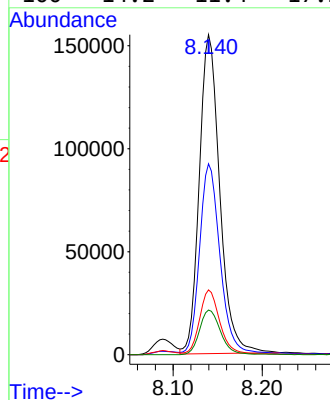
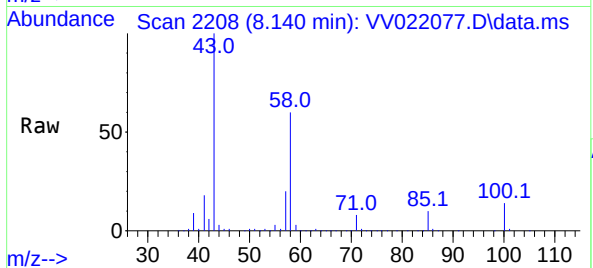
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 60.0  | 47.5  | 71.3  |
| 57  | 20.1  | 15.9  | 23.9  |
| 100 | 14.2  | 11.4  | 17.2  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
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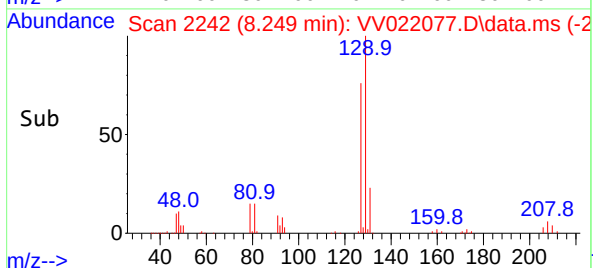
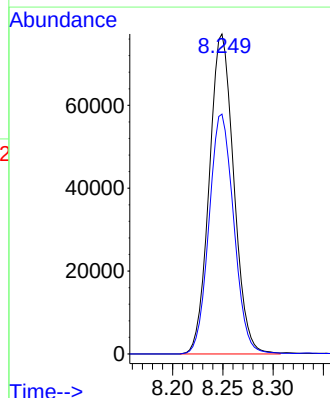
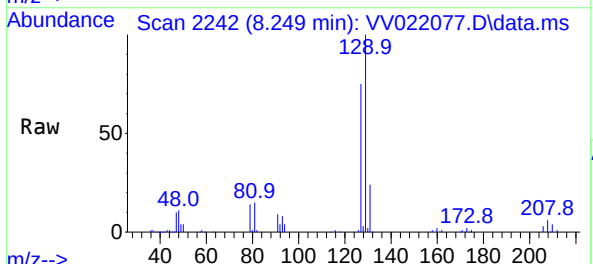
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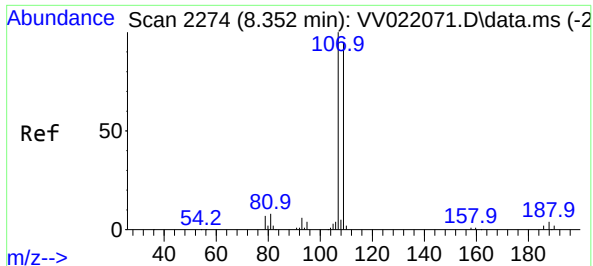


#49  
Dibromochloromethane  
Concen: 46.310 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 129 Resp: 131258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 74.9  | 54.1  | 100.5 |





#50  
1,2-Dibromoethane  
Concen: 44.994 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

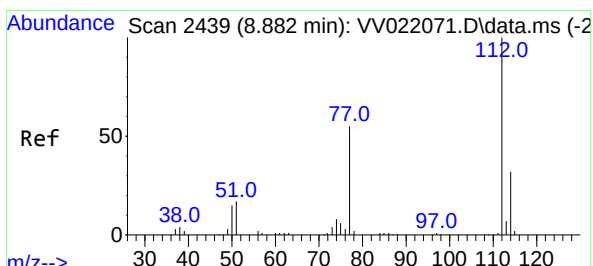
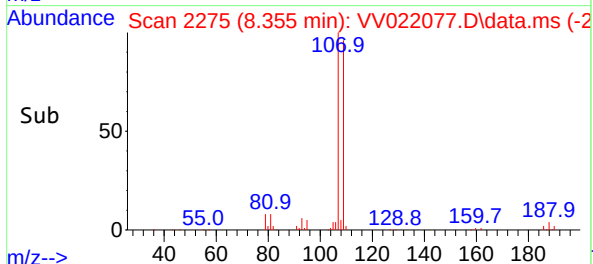
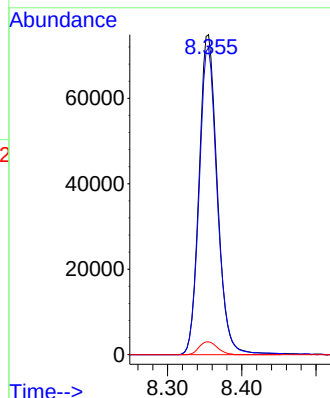
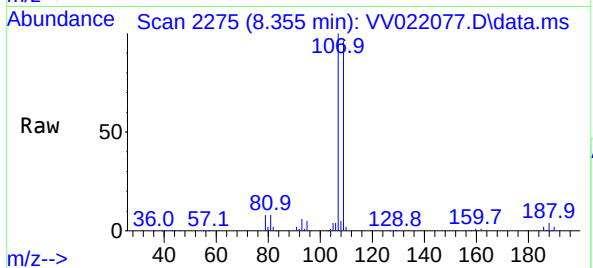
Tgt Ion:107 Resp: 127864  
Ion Ratio Lower Upper  
107 100  
109 96.0 65.5 121.6  
188 4.0 3.2 4.8

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
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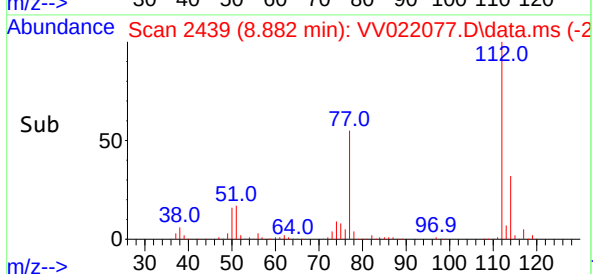
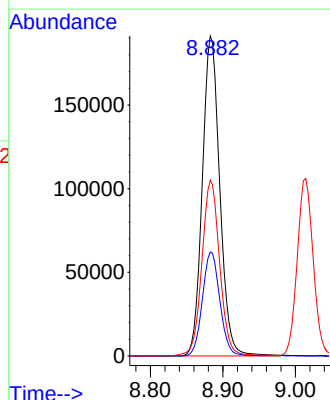
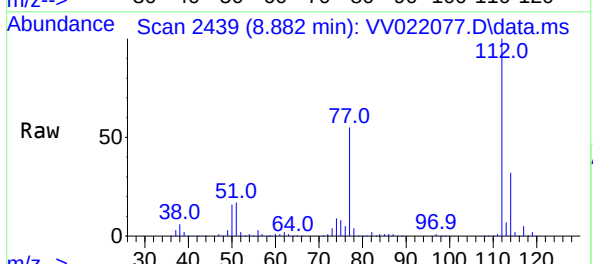
MMDadoda

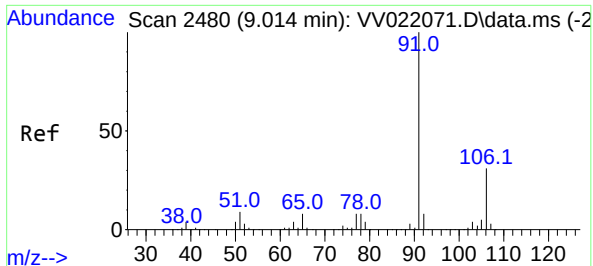
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#51  
Chlorobenzene  
Concen: 43.975 ug/L  
RT: 8.882 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion:112 Resp: 320356  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.0 41.0  
77 54.9 43.2 64.8





#52  
Ethylbenzene  
Concen: 163.113 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

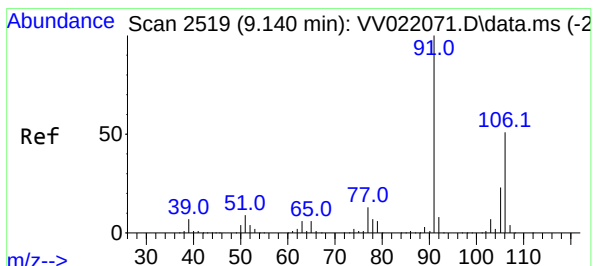
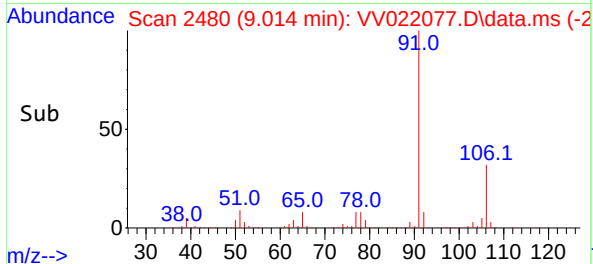
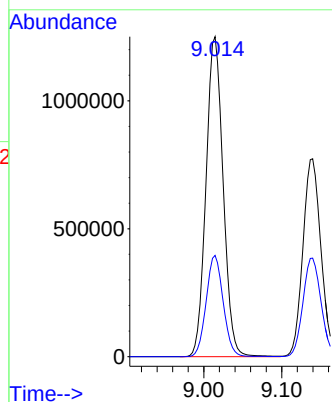
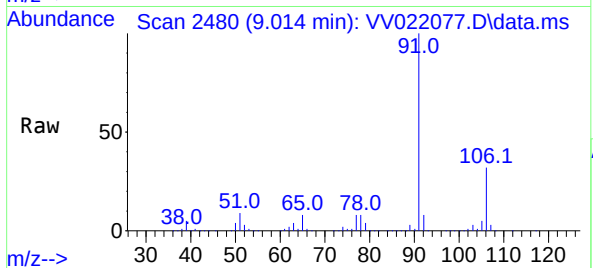
Tgt Ion: 91 Resp: 1913201  
Ion Ratio Lower Upper  
91 100  
106 31.7 21.7 40.3

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

Manual Integrations  
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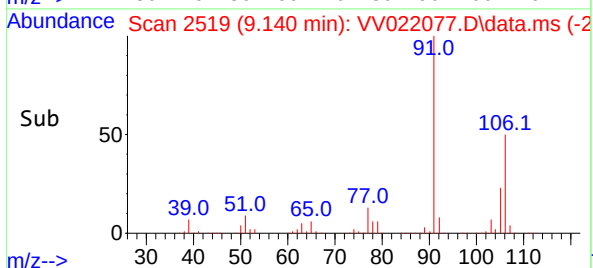
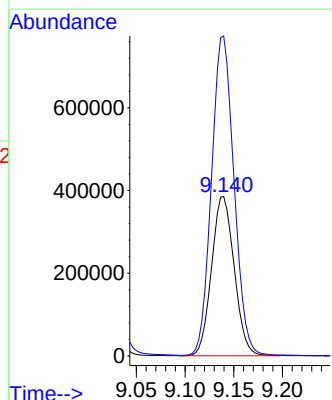
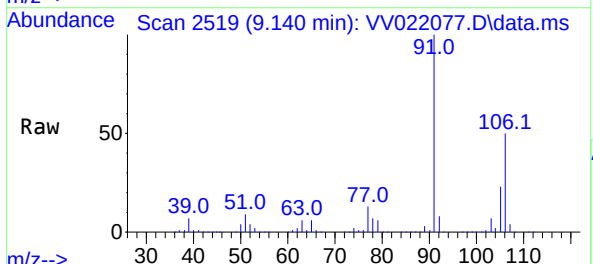
MMDadoda

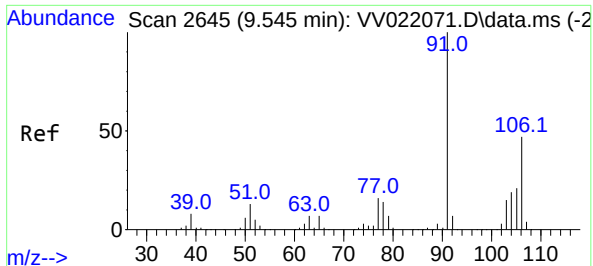
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#53  
m,p-Xylene  
Concen: 136.347 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 106 Resp: 621605  
Ion Ratio Lower Upper  
106 100  
91 200.9 139.1 258.3





#54  
o-Xylene  
Concen: 101.236 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

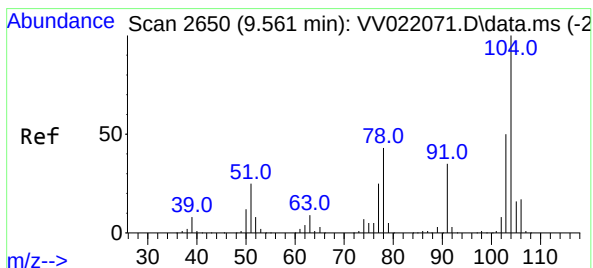
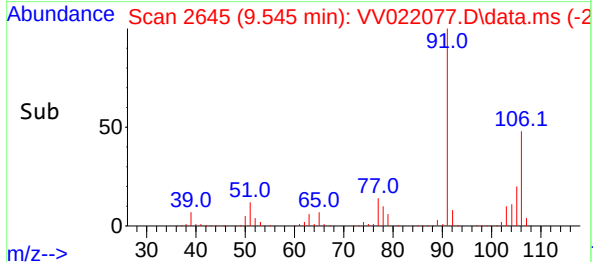
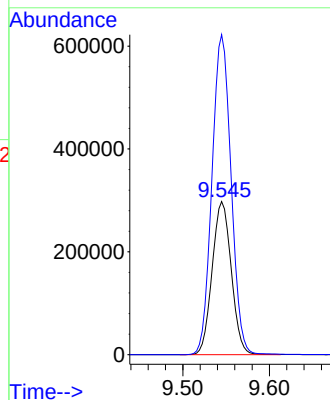
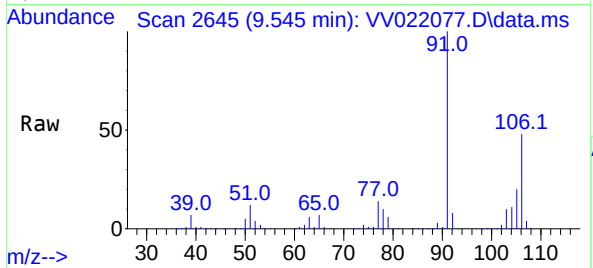
Tgt Ion:106 Resp: 456665  
Ion Ratio Lower Upper  
106 100  
91 208.9 150.1 278.9

Instrument :  
MSVOA\_V  
ClientSampleId :  
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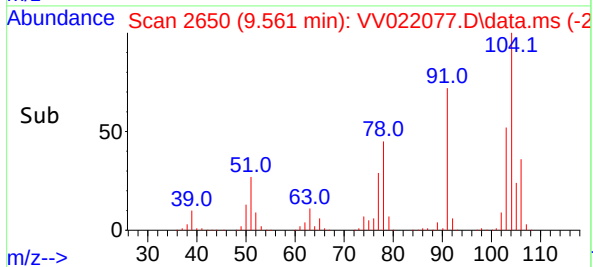
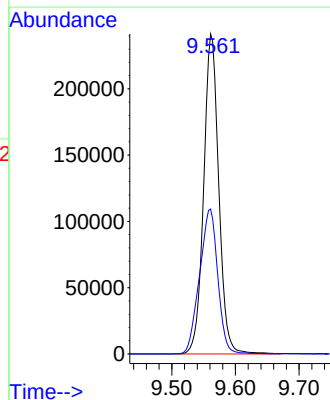
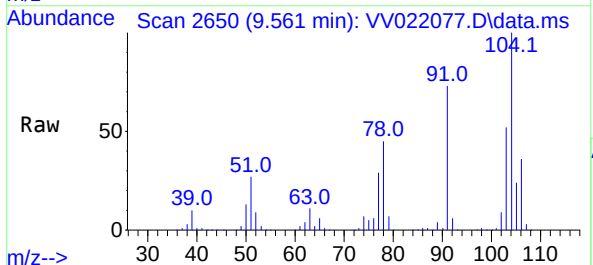
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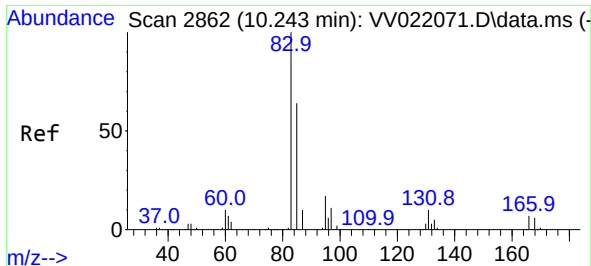


#55  
Styrene  
Concen: 51.647 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

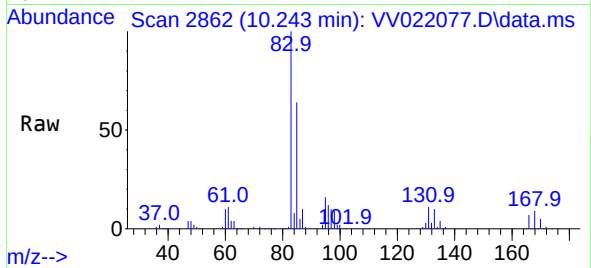
Tgt Ion:104 Resp: 397590  
Ion Ratio Lower Upper  
104 100  
78 45.3 28.6 53.2



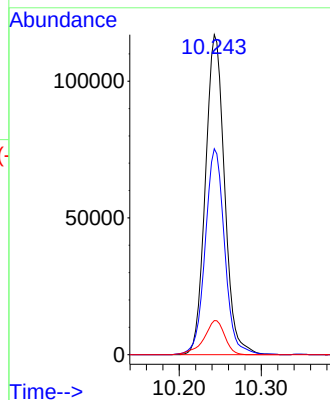
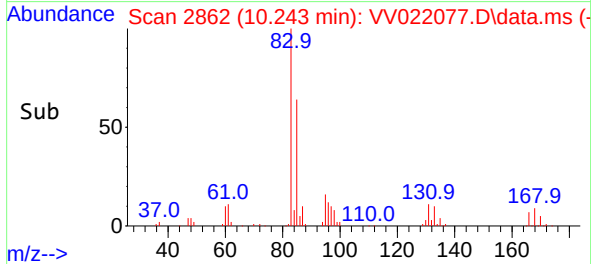




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.350 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



Tgt Ion: 83 Resp: 189328  
Ion Ratio Lower Upper  
83 100  
85 64.3 44.7 83.1  
131 10.7 8.2 12.2

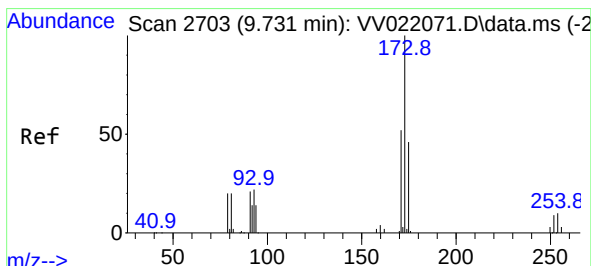


Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

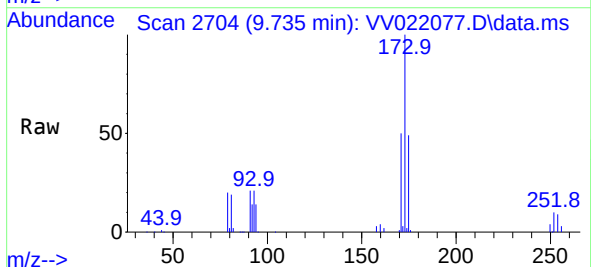
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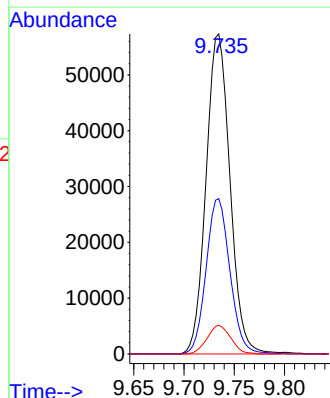
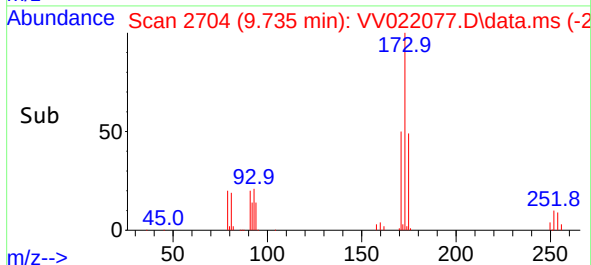
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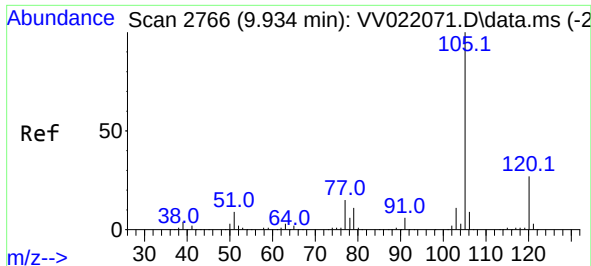


#59  
Bromoform  
Concen: 47.647 ug/L  
RT: 9.735 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



Tgt Ion: 173 Resp: 94902  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.8 58.2  
254 8.8 7.0 10.4





#60  
Isopropylbenzene  
Concen: 47.366 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

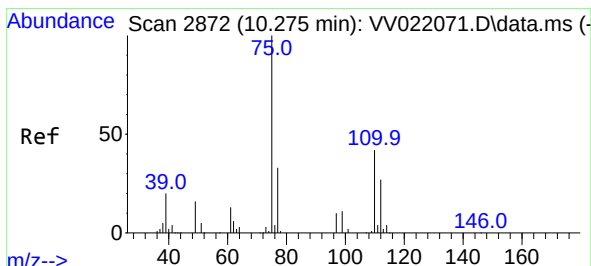
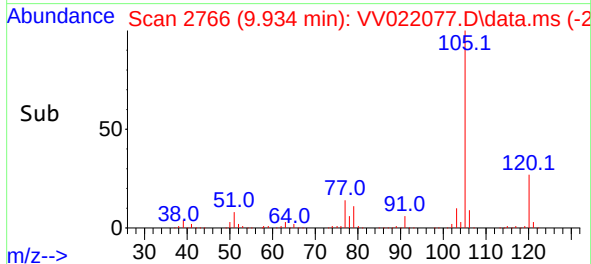
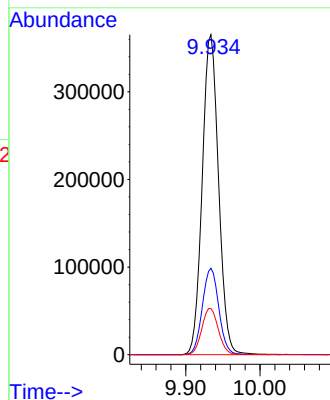
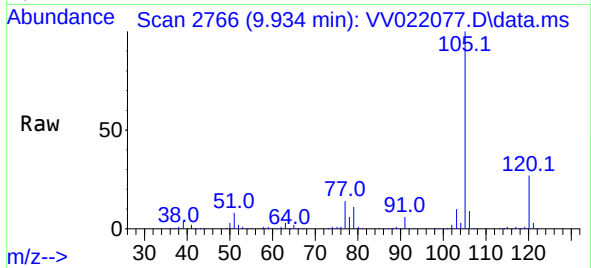
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 558144 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 27.2  | 21.5  | 32.3   |
| 77       | 14.7  | 11.8  | 17.6   |

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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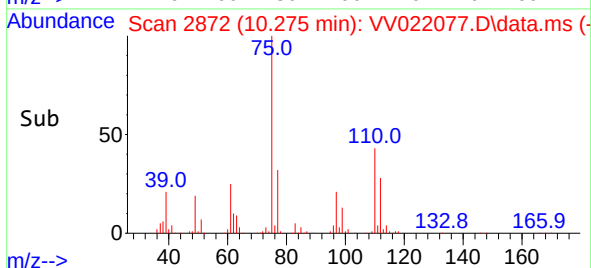
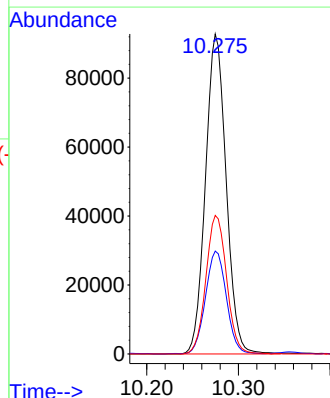
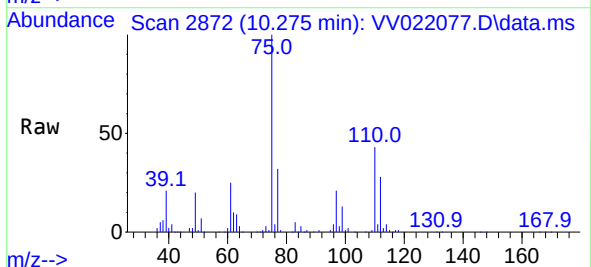
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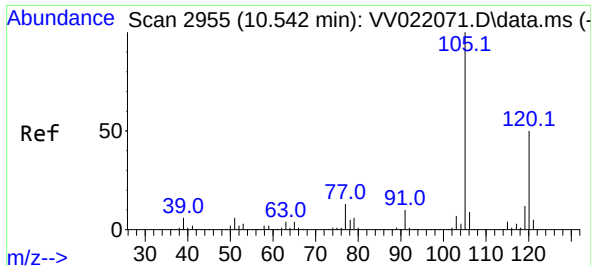
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#61  
1,2,3-Trichloropropane  
Concen: 44.777 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 145532 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 32.2  | 26.2  | 39.2   |
| 110      | 43.4  | 33.8  | 50.6   |





#62  
1,3,5-Trimethylbenzene  
Concen: 59.261 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

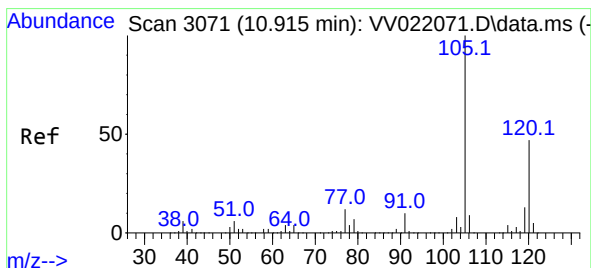
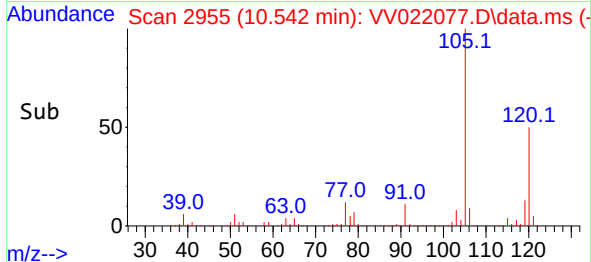
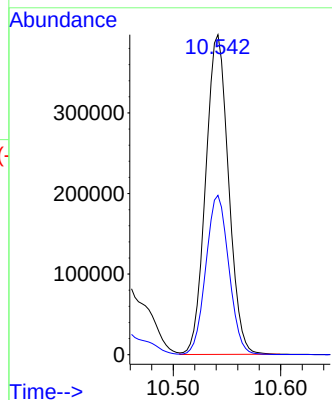
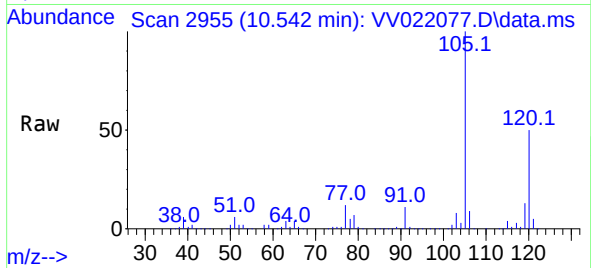
Tgt Ion:105 Resp: 586253  
Ion Ratio Lower Upper  
105 100  
120 50.0 39.6 59.4

Instrument :  
MSVOA\_V  
ClientSampleId :  
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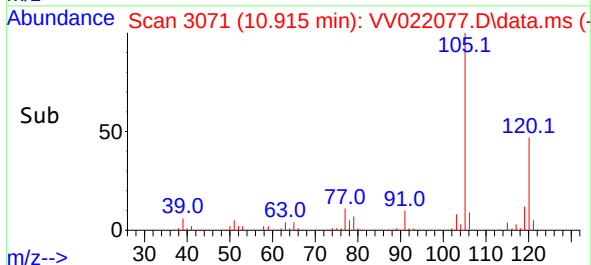
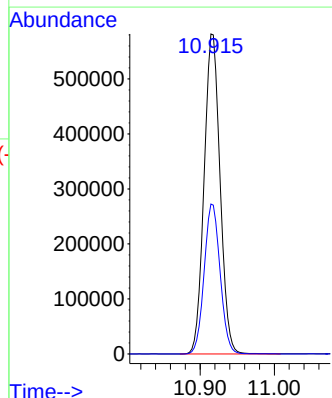
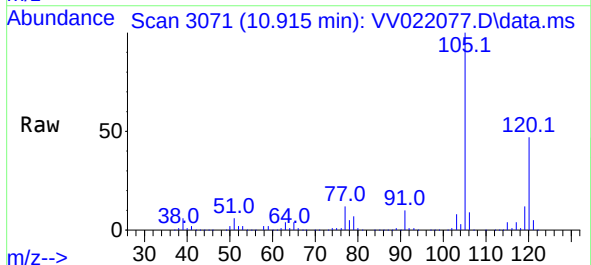
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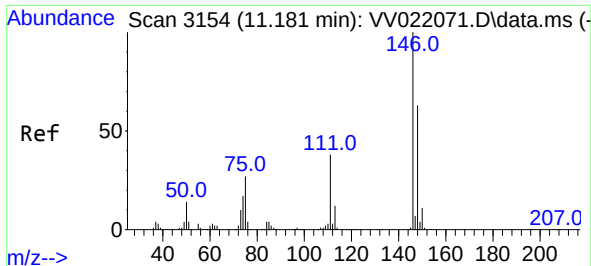
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#63  
1,2,4-Trimethylbenzene  
Concen: 86.278 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

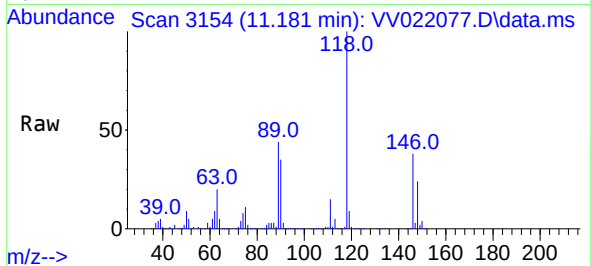
Tgt Ion:105 Resp: 867547  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.4 56.0





#64  
1,3-Dichlorobenzene  
Concen: 44.181 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

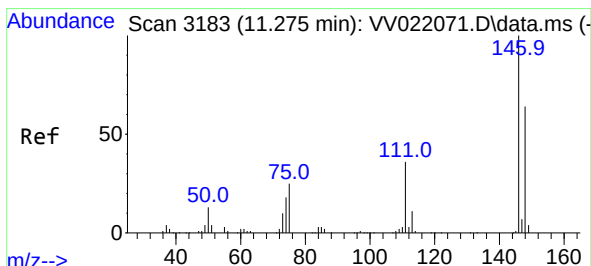
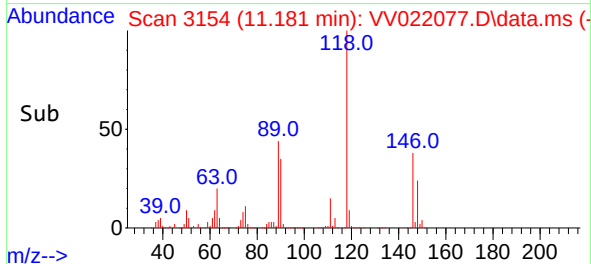
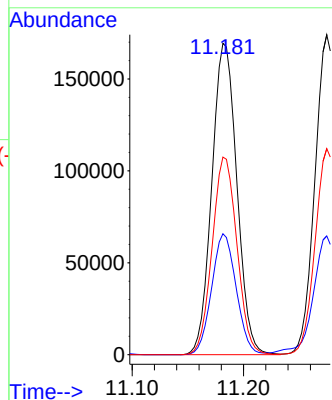


Tgt Ion:146 Resp: 264332  
Ion Ratio Lower Upper  
146 100  
111 38.9 26.9 50.1  
148 63.5 45.5 84.5

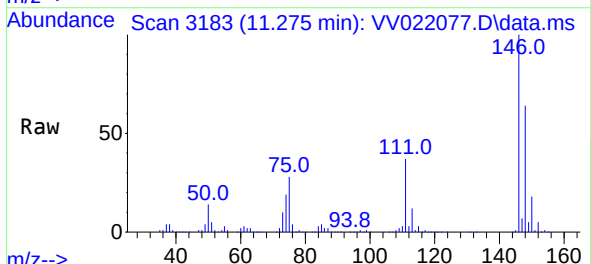
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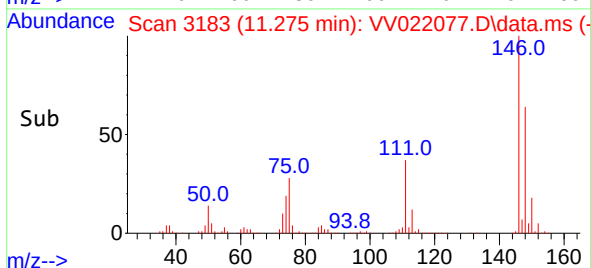
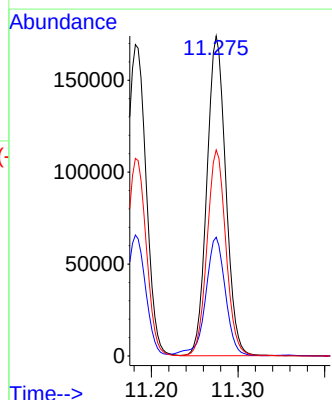
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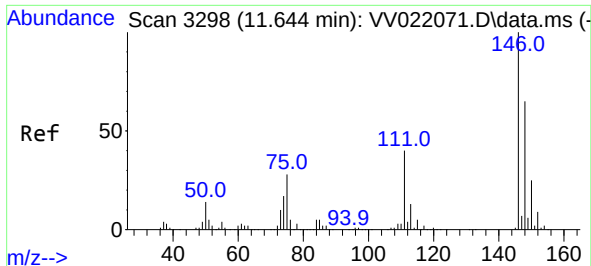


#65  
1,4-Dichlorobenzene  
Concen: 43.016 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



Tgt Ion:146 Resp: 263353  
Ion Ratio Lower Upper  
146 100  
111 37.1 25.3 46.9  
148 64.4 44.4 82.5





#67  
1,2-Dichlorobenzene  
Concen: 43.874 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

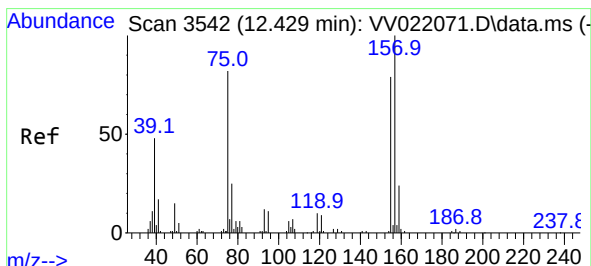
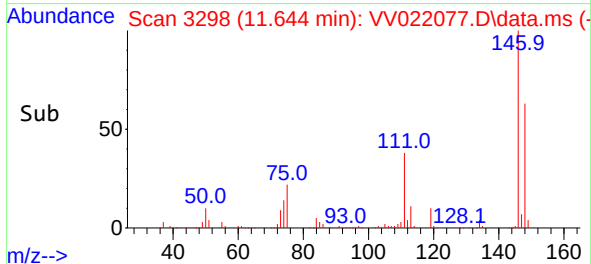
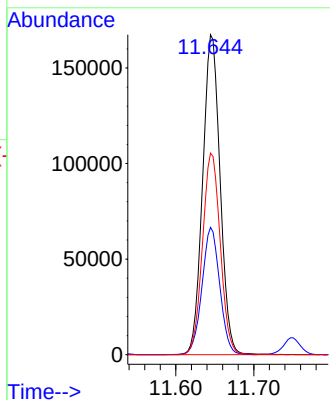
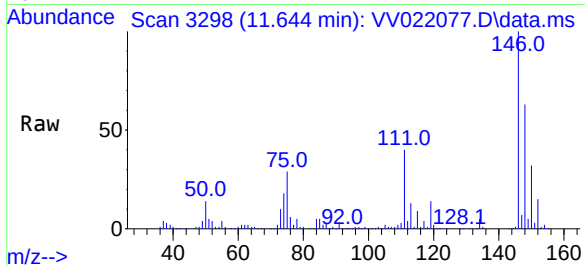
Tgt Ion:146 Resp: 260636  
Ion Ratio Lower Upper  
146 100  
111 39.8 31.6 47.4  
148 63.0 50.6 75.8

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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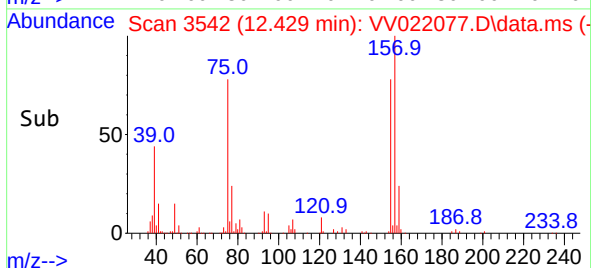
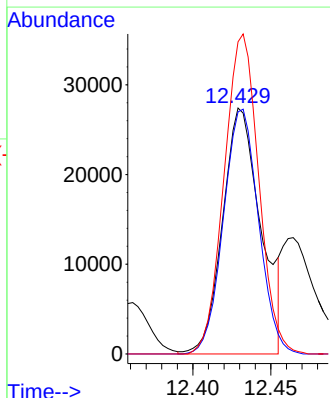
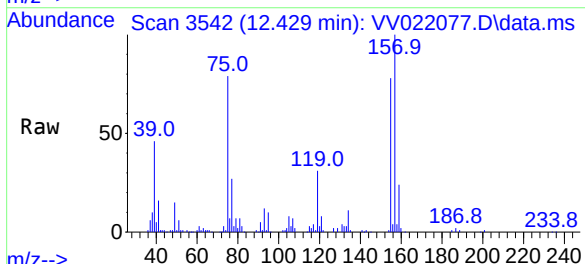
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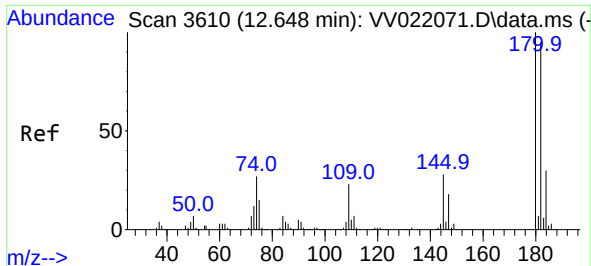
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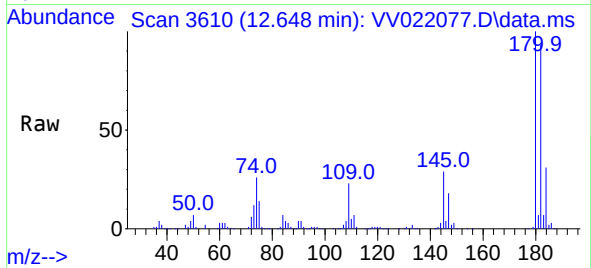
#68  
1,2-Dibromo-3-chloropropane  
Concen: 59.800 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46

Tgt Ion: 75 Resp: 46843  
Ion Ratio Lower Upper  
75 100  
155 98.4 79.8 119.6  
157 126.9 98.3 147.5



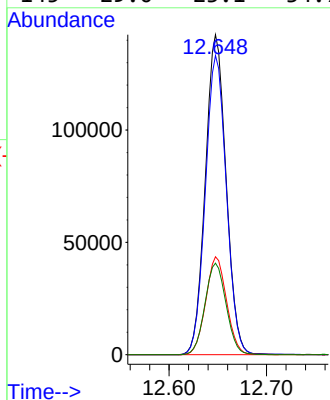


#69  
1,3,5-Trichlorobenzene  
Concen: 47.233 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



Tgt Ion:180 Resp: 211305

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.4  | 76.4  | 114.6 |
| 184 | 30.8  | 24.0  | 36.0  |
| 145 | 29.0  | 23.1  | 34.7  |

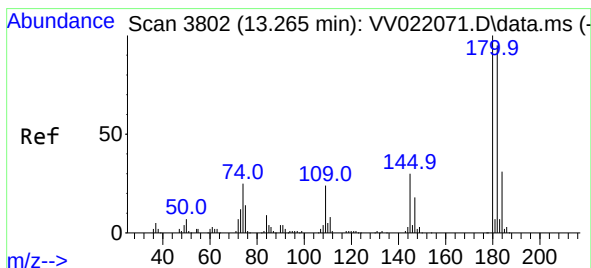


Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

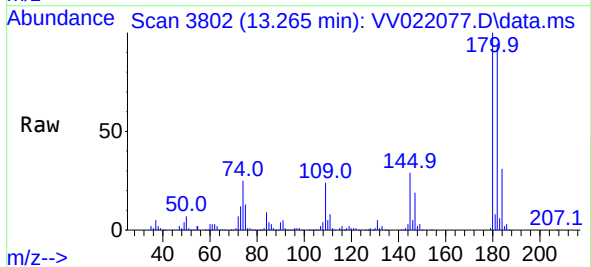
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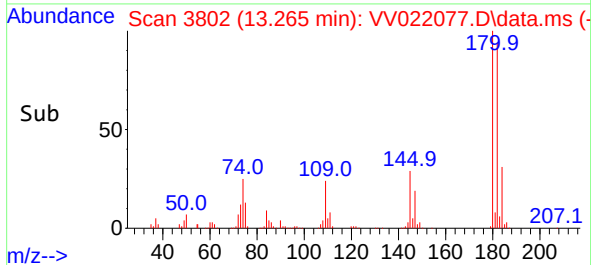
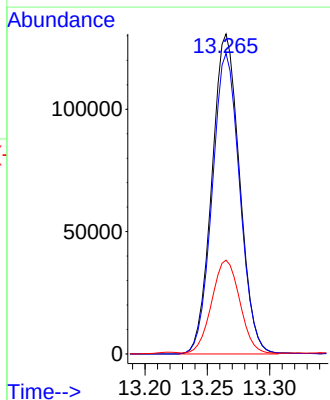


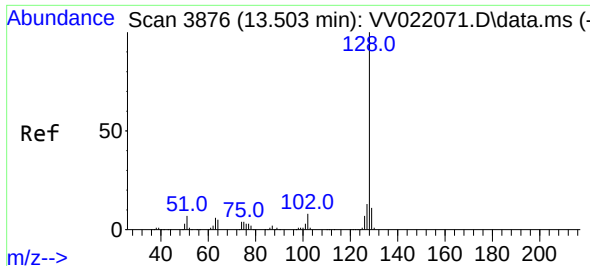
#70  
1,2,4-trichlorobenzene  
Concen: 51.248 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



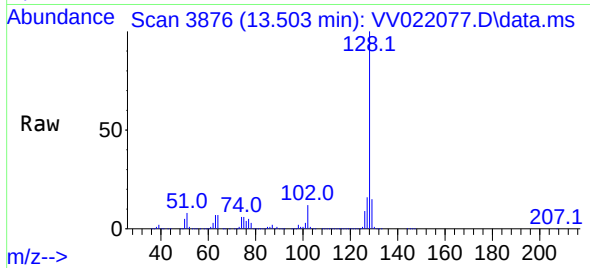
Tgt Ion:180 Resp: 201682

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.5  | 75.9  | 113.9 |
| 145 | 30.0  | 23.8  | 35.6  |

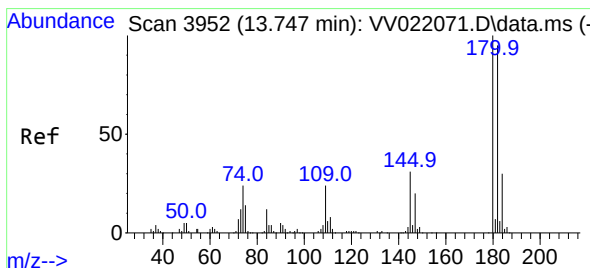
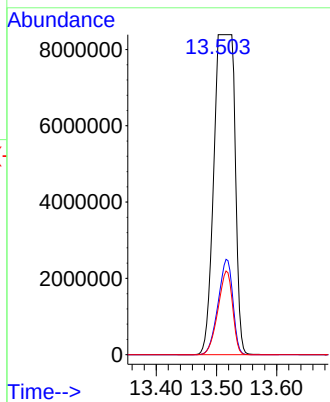
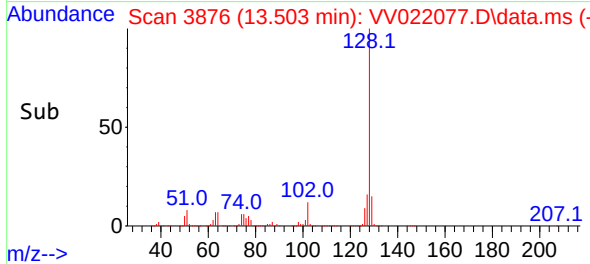




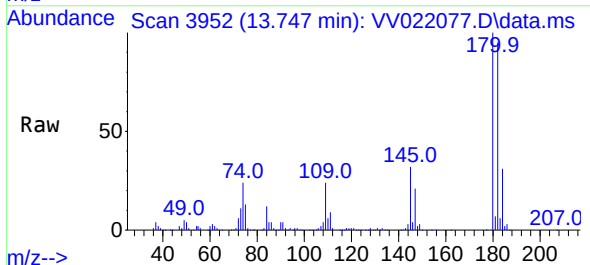
#71  
Naphthalene  
Concen: 1794.857 ug/L m  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



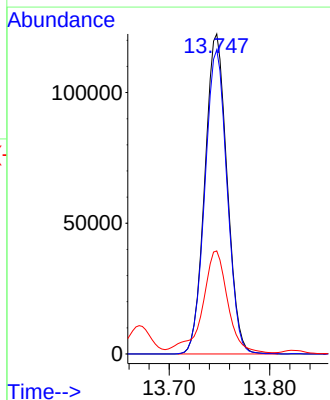
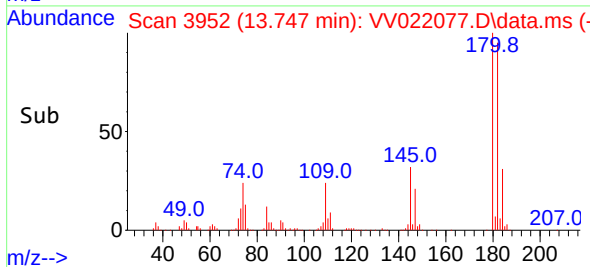
Tgt Ion:128 Resp:20318817  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.1 15.1#  
129 0.0 8.7 13.1#



#72  
1,2,3-Trichlorobenzene  
Concen: 48.920 ug/L  
RT: 13.747 min Scan# 3952  
Delta R.T. 0.000 min  
Lab File: VV022077.D  
Acq: 02 Sep 2021 15:46



Tgt Ion:180 Resp: 187778  
Ion Ratio Lower Upper  
180 100  
182 94.9 76.3 114.5  
145 37.6 25.4 38.0



Instrument :  
MSVOA\_V  
ClientSampleId :  
DBKL5MS

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