

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052721\  
 Data File : VW021442.D  
 Acq On : 27 May 2021 12:51  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 28 03:22:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM052721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 28 02:47:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.616          | 114  | 494437     | 50.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850          | 117  | 460980     | 50.00   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 271234     | 50.00   | ug/L  | 0.00     |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 158201     | 48.60   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 97.20%  |       |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 113669     | 46.94   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 93.88%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 272924     | 49.07   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 98.14%  |       |          |
| 21) 2-Butanone-d5             | 3.876          | 46   | 234231     | 100.34  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 100.34% |       |          |
| 24) Chloroform-d              | 4.346          | 84   | 318405     | 49.14   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.28%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.031          | 65   | 183481     | 49.16   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.32%  |       |          |
| 32) Benzene-d6                | 5.047          | 84   | 634100     | 49.17   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.34%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 193534     | 48.60   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.20%  |       |          |
| 41) Toluene-d8                | 7.313          | 98   | 612506     | 49.85   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 99.70%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.619          | 79   | 106197     | 49.83   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 99.66%  |       |          |
| 47) 2-Hexanone-d5             | 8.085          | 63   | 183894     | 100.56  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 100.56% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 274934     | 49.73   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 99.46%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 276109     | 48.97   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.94%  |       |          |
| Target Compounds              |                |      |            |         |       |          |
|                               |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127          | 85   | 166784     | 48.67   | ug/L  | 99       |
| 3) Chloromethane              | 1.240          | 50   | 167649     | 49.11   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.311          | 62   | 170753     | 48.73   | ug/L  | 100      |
| 6) Bromomethane               | 1.523          | 94   | 119539     | 49.82   | ug/L  | 98       |
| 8) Chloroethane               | 1.584          | 64   | 94729      | 47.55   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.751          | 101  | 257660     | 49.58   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118          | 101  | 151694     | 50.21   | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.118          | 96   | 144780     | 49.89   | ug/L  | 96       |
| 13) Acetone                   | 2.429          | 43   | 158233     | 78.78   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.294          | 76   | 454963     | 49.73   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.429          | 43   | 167336     | 48.62   | ug/L  | 99       |
| 16) Methylene chloride        | 2.507          | 84   | 173565     | 47.75   | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 2.757          | 96   | 165735     | 50.06   | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 2.764          | 73   | 516324     | 49.19   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.188          | 63   | 285193     | 48.61   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908          | 96   | 180422     | 48.71   | ug/L  | 98       |
| 22) 2-Butanone                | 3.963          | 43   | 248741     | 97.76   | ug/L  | 99       |
| 23) Bromochloromethane        | 4.246          | 128  | 100539     | 49.01   | ug/L  | 95       |
| 25) Chloroform                | 4.371          | 83   | 297373     | 48.98   | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052721\  
 Data File : VV021442.D  
 Acq On : 27 May 2021 12:51  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

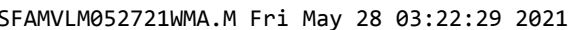
Instrument :  
 MSVOA\_V  
 ClientSampleId :

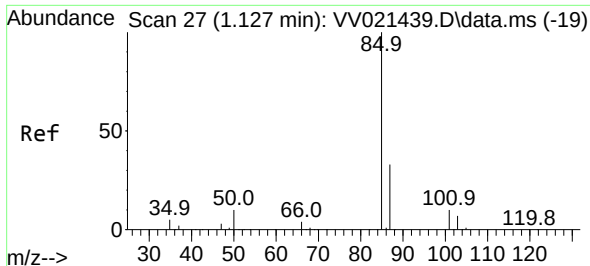
Quant Time: May 28 03:22:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM052721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 28 02:47:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 210498   | 50.19  | ug/L  | 98       |
| 29) Cyclohexane               | 4.677  | 56   | 258930   | 48.21  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 278349   | 48.91  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.825  | 117  | 253929   | 49.15  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 644689   | 48.86  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 177766   | 49.57  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 281078   | 48.82  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 163639   | 48.64  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 230094   | 48.74  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 284199   | 50.25  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 442913   | 97.10  | ug/L  | 99       |
| 42) Toluene                   | 7.387  | 91   | 719538   | 49.16  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 267792   | 50.05  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 168588   | 49.38  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.973  | 164  | 164887   | 50.01  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.137  | 43   | 354523   | 101.34 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.246  | 129  | 210373   | 49.20  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 184725   | 49.16  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.879  | 112  | 477256   | 49.32  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 798980   | 49.70  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 310515   | 50.27  | ug/L  | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 302778   | 49.64  | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 525417   | 50.05  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 263400   | 49.42  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 178941   | 48.90  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.931  | 105  | 823035   | 48.97  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 204775   | 48.05  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 704434   | 48.69  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 718855   | 49.18  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 423402   | 49.87  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 419587   | 48.95  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 414710   | 48.79  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 62987    | 47.44  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 361484   | 50.47  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 329151   | 51.45  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 920541   | 52.16  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 322919   | 51.85  | ug/L  | 99       |

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

Quant Time: May 28 03:22:25 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM052721WMA.M  
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QLast Update : Fri May 28 02:47:54 2021  
Response via : Initial Calibration

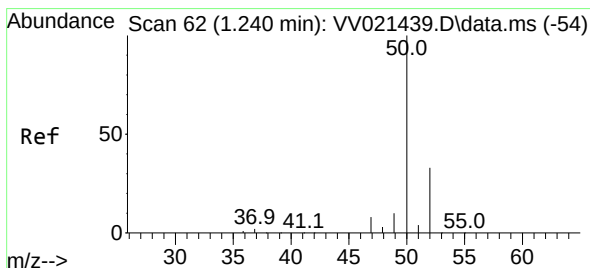
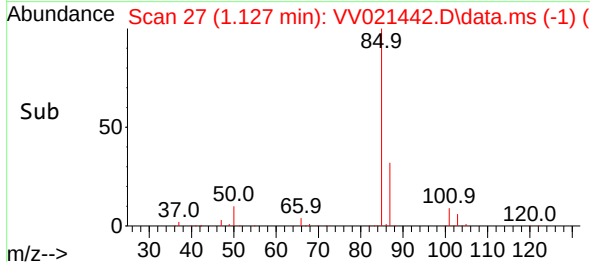
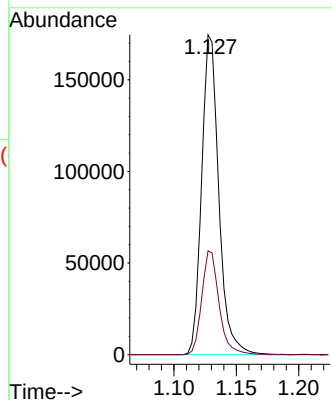
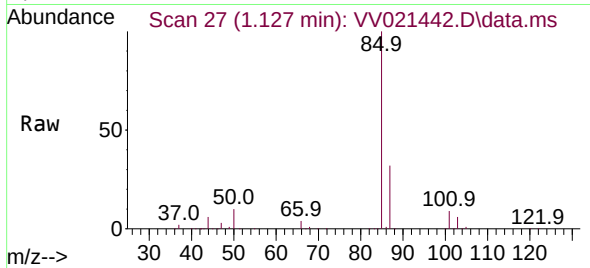




#2  
 Dichlorodifluoromethane  
 Concen: 48.67 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. 0.000 min  
 Lab File: VV021442.D  
 Acq: 27 May 2021 12:51

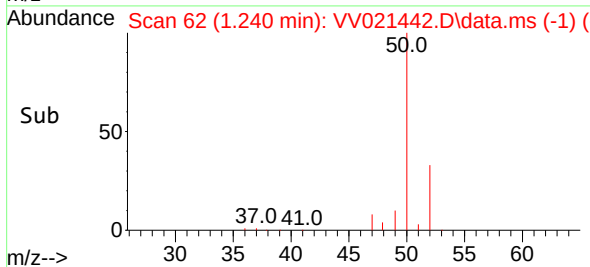
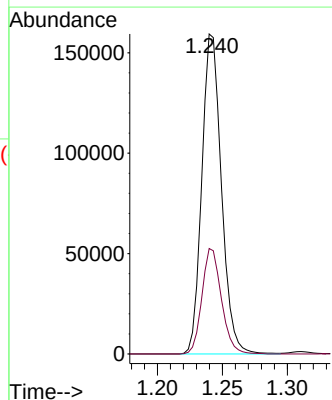
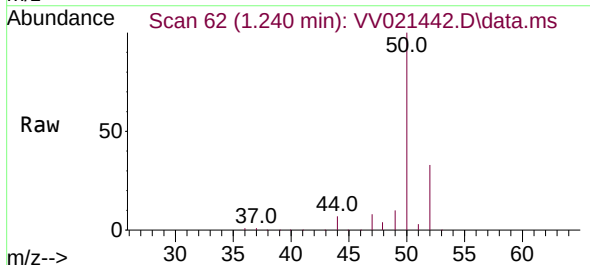
Instrument :  
 MSVOA\_V  
 ClientSampled :

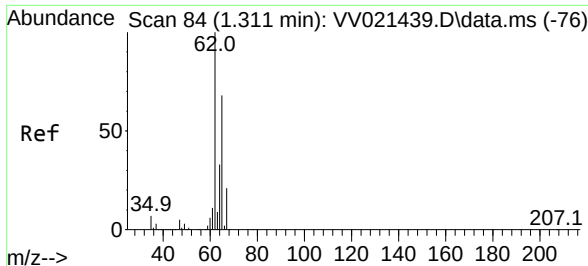
Tgt Ion: 85 Resp: 166784  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.6 39.8



#3  
 Chloromethane  
 Concen: 49.11 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV021442.D  
 Acq: 27 May 2021 12:51

Tgt Ion: 50 Resp: 167649  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 23.3 43.3

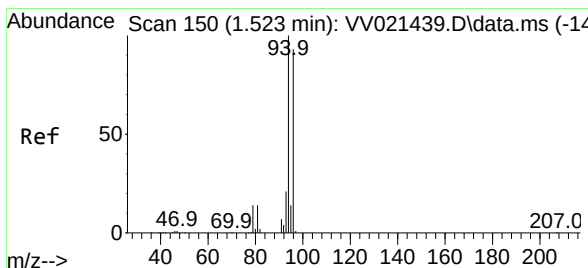
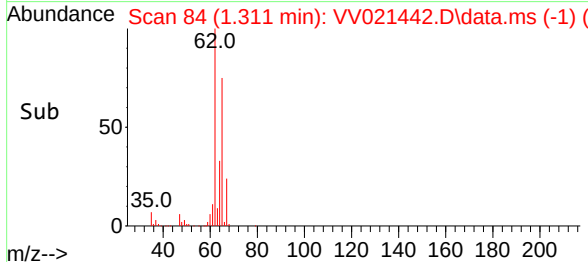
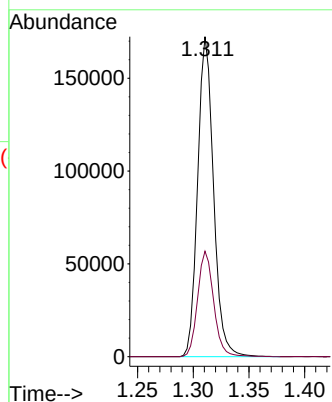
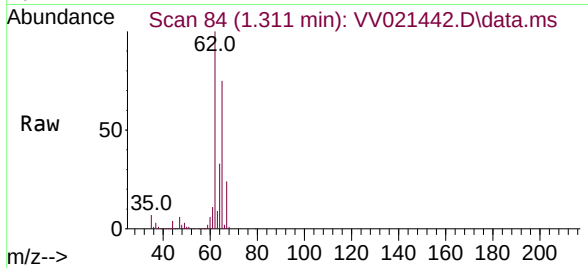




#5  
 Vinyl chloride  
 Concen: 48.73 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV021442.D  
 Acq: 27 May 2021 12:51

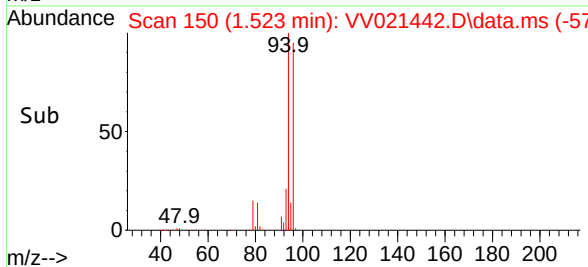
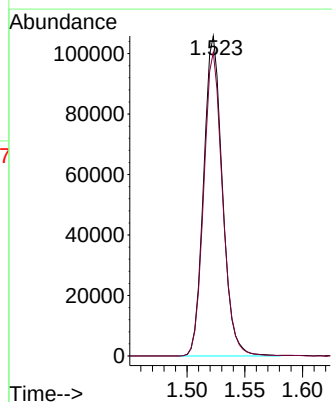
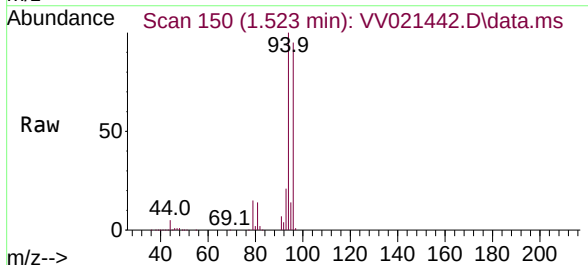
Instrument :  
 MSVOA\_V  
 ClientSampled :

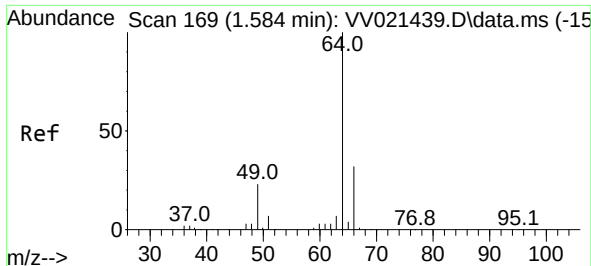
Tgt Ion: 62 Resp: 170753  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.1 42.9



#6  
 Bromomethane  
 Concen: 49.82 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV021442.D  
 Acq: 27 May 2021 12:51

Tgt Ion: 94 Resp: 119539  
 Ion Ratio Lower Upper  
 94 100  
 96 95.0 65.2 121.0

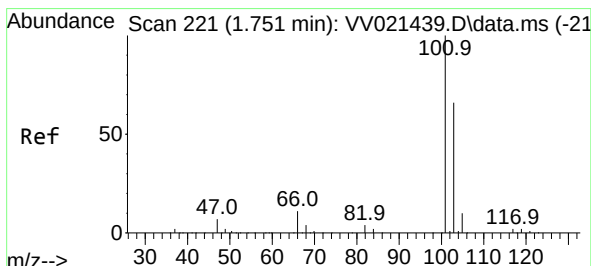
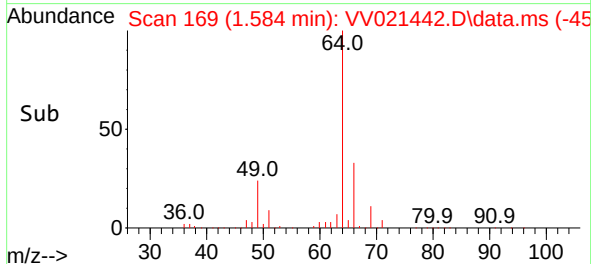
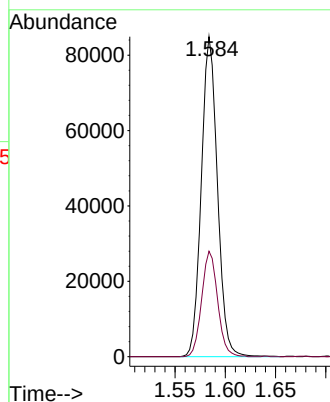
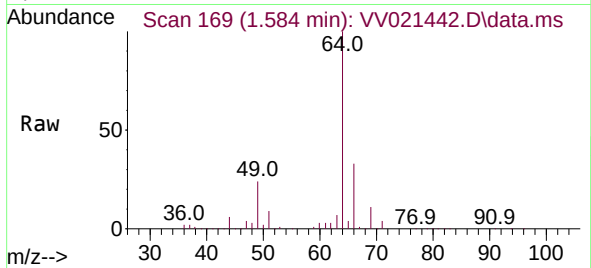




#8  
Chloroethane  
Concen: 47.55 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

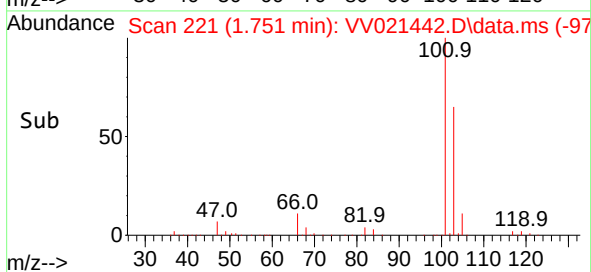
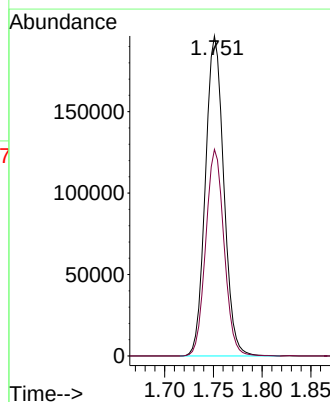
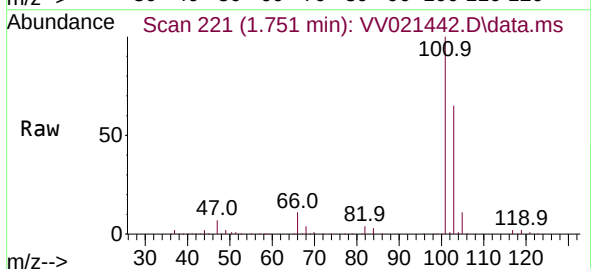
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MSVOA\_V  
ClientSampled :

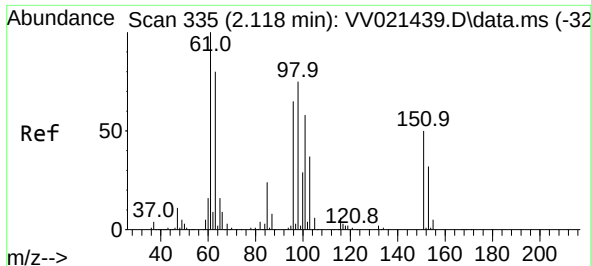
Tgt Ion: 64 Resp: 94729  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 49.58 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:101 Resp: 257660  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.1 78.1

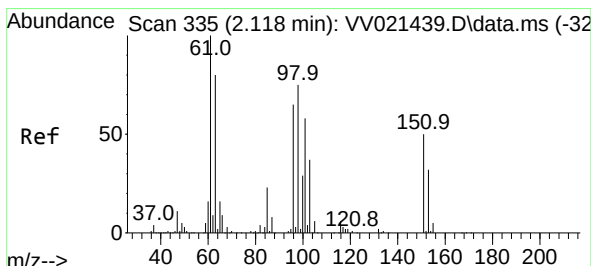
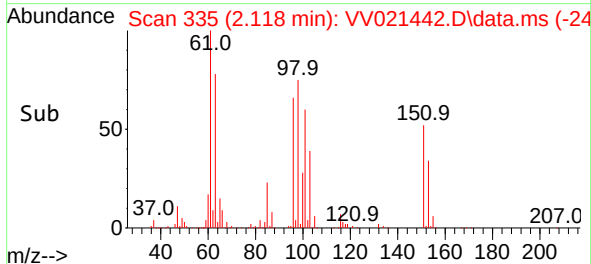
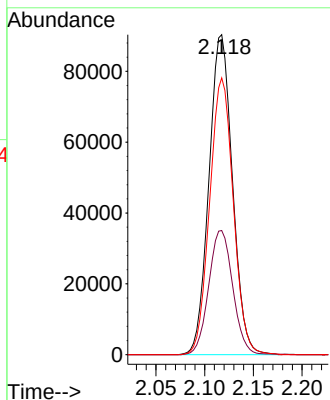
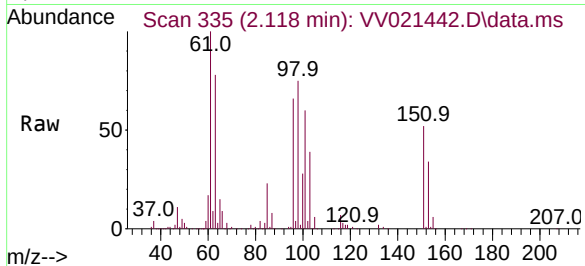




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 50.21 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV021442.D  
 Acq: 27 May 2021 12:51

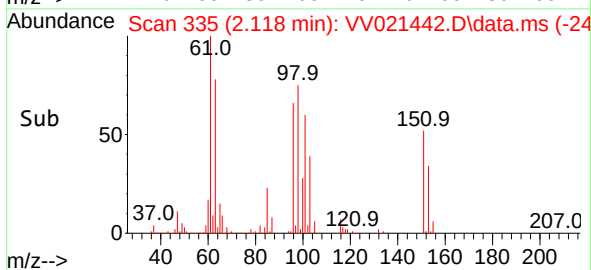
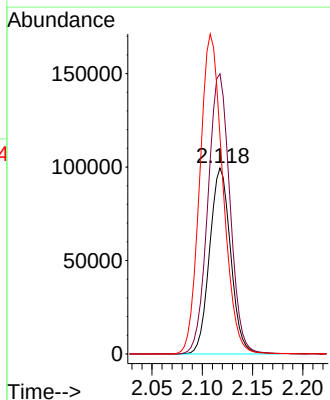
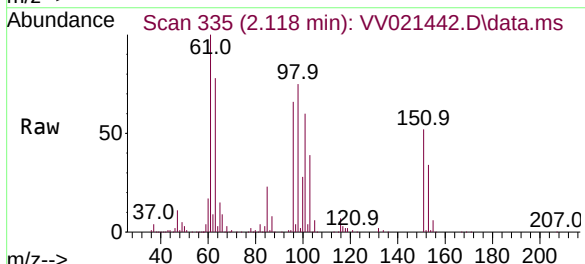
Instrument :  
 MSVOA\_V  
 ClientSampleId :

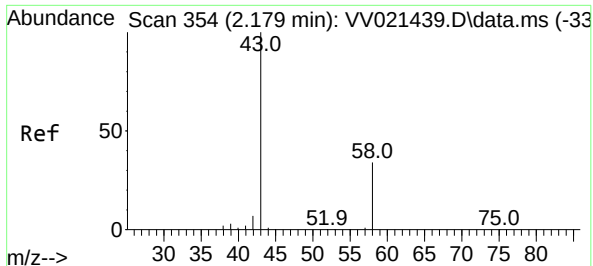
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 Ion Ratio Lower Upper  
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 151 86.9 70.0 105.0



#12  
 1,1-Dichloroethene  
 Concen: 49.89 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.000 min  
 Lab File: VV021442.D  
 Acq: 27 May 2021 12:51

Tgt Ion: 96 Resp: 144780  
 Ion Ratio Lower Upper  
 96 100  
 61 150.6 107.7 200.1  
 63 117.4 86.6 160.8

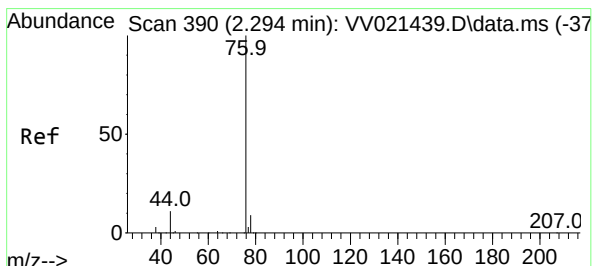
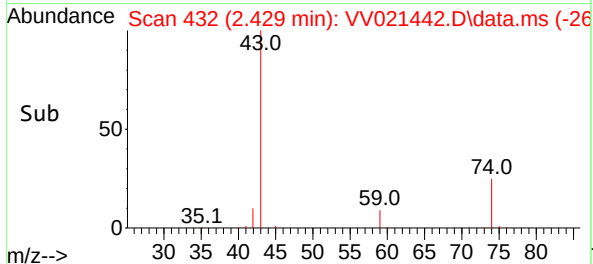
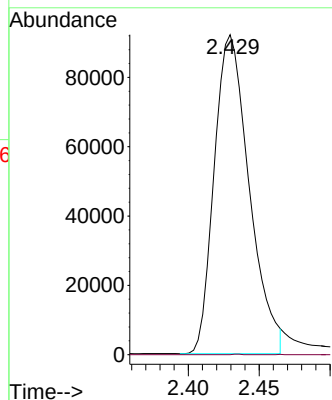
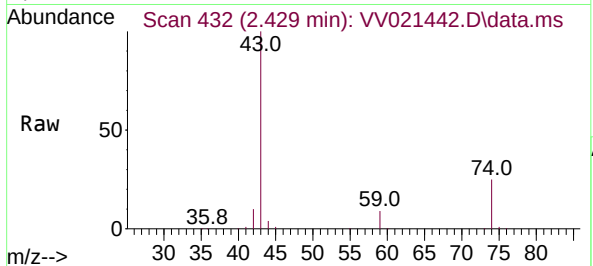




#13  
Acetone  
Concen: 78.78 ug/L  
RT: 2.429 min Scan# 432  
Delta R.T. 0.251 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

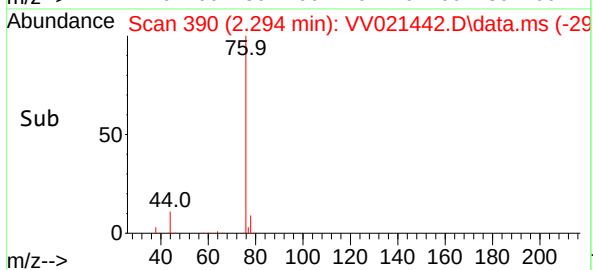
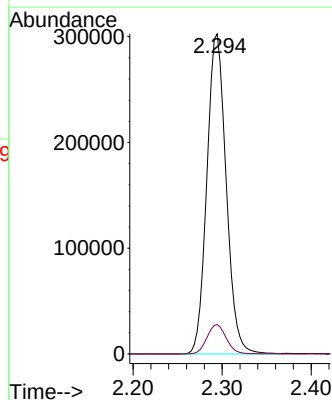
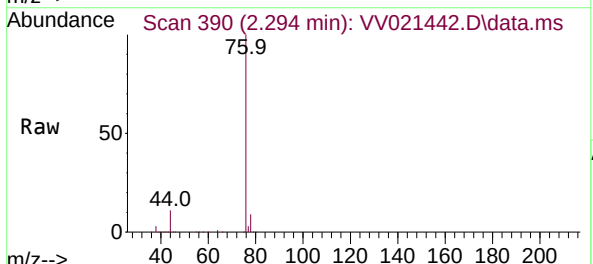
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 43 Resp: 158233  
Ion Ratio Lower Upper  
43 100  
58 0.0 0.0 0.2

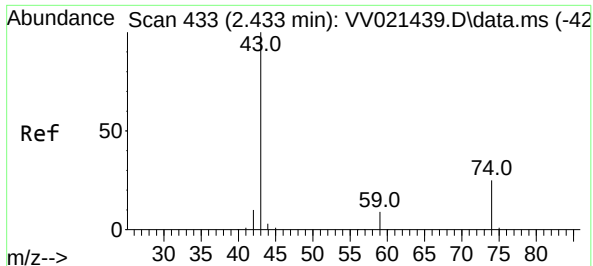


#14  
Carbon disulfide  
Concen: 49.73 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 76 Resp: 454963  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9







#15

Methyl Acetate

Concen: 48.62 ug/L

RT: 2.429 min Scan# 432

Delta R.T. -0.003 min

Lab File: VV021442.D

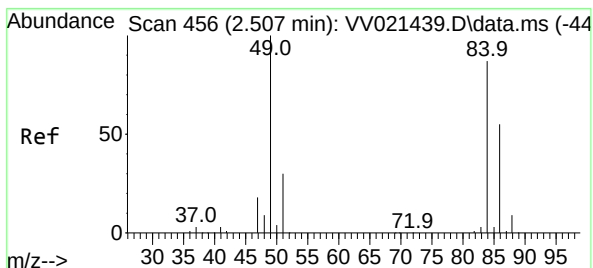
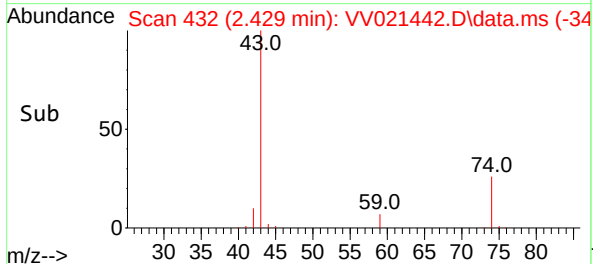
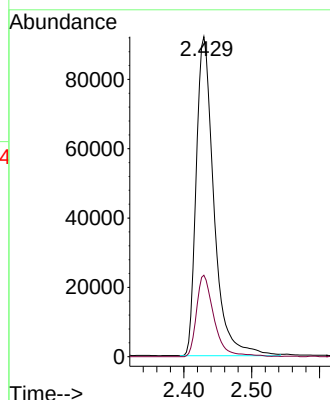
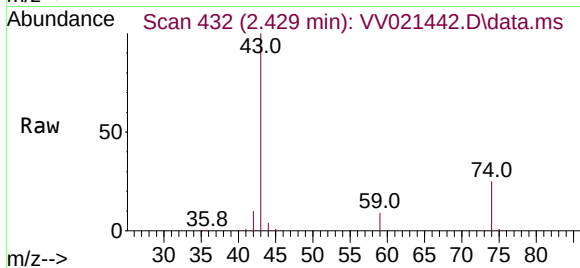
Acq: 27 May 2021 12:51

Tgt Ion: 43 Resp: 167336

Ion Ratio Lower Upper

43 100

74 25.0 20.4 30.6



#16

Methylene chloride

Concen: 47.75 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV021442.D

Acq: 27 May 2021 12:51

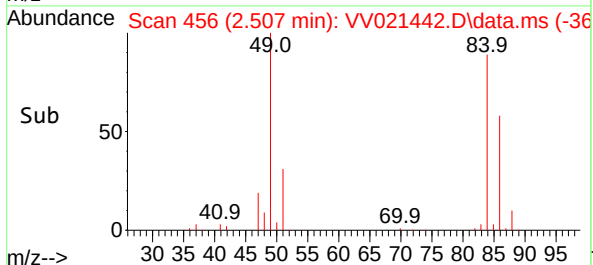
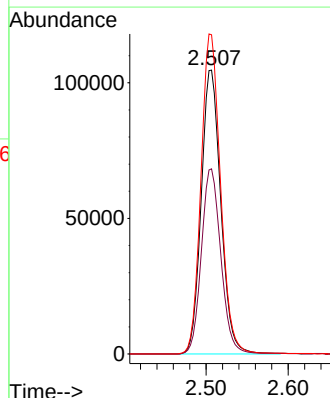
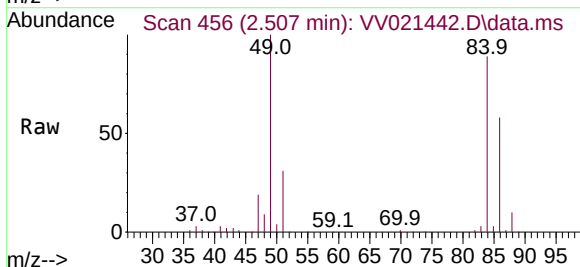
Tgt Ion: 84 Resp: 173565

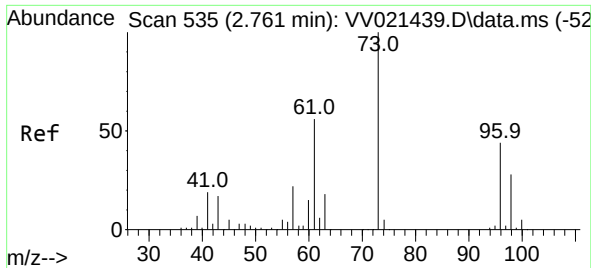
Ion Ratio Lower Upper

84 100

86 65.2 44.1 81.9

49 112.5 80.8 150.0

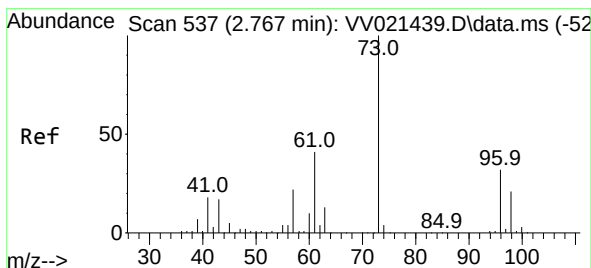
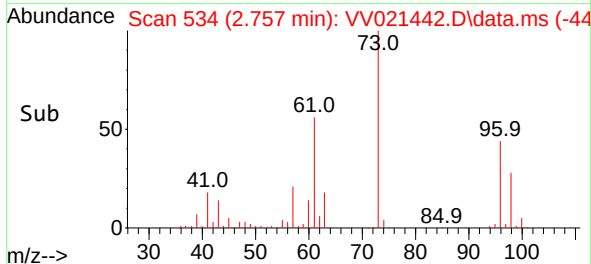
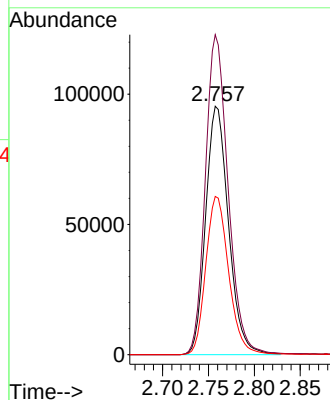
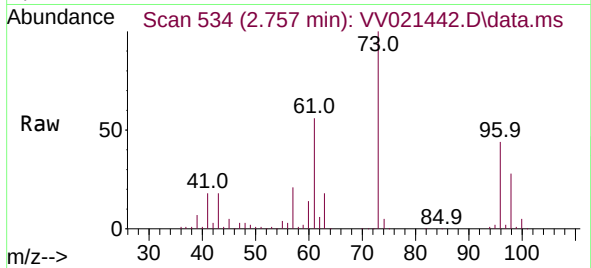




#17  
trans-1,2-Dichloroethene  
Concen: 50.06 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

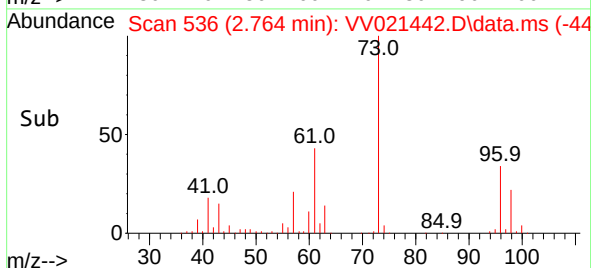
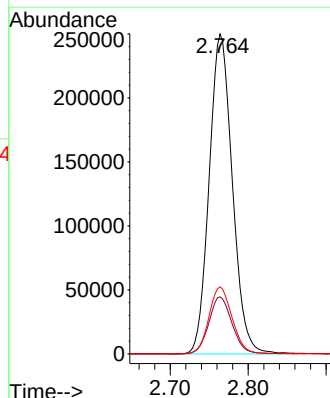
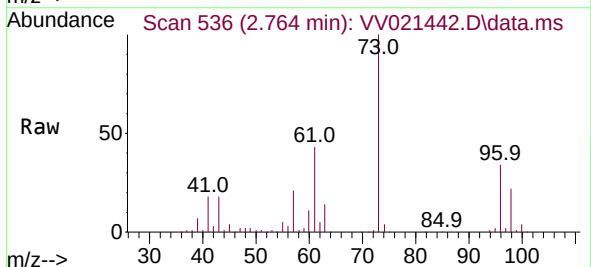
Instrument :  
MSVOA\_V  
ClientSampleId :

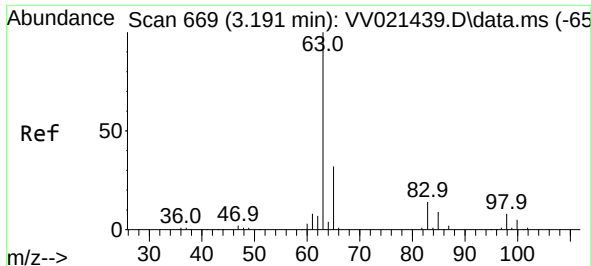
Tgt Ion: 96 Resp: 165735  
Ion Ratio Lower Upper  
96 100  
61 128.8 88.8 165.0  
98 63.7 44.4 82.4



#18  
Methyl tert-butyl Ether  
Concen: 49.19 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 73 Resp: 516324  
Ion Ratio Lower Upper  
73 100  
43 17.8 13.9 20.9  
57 21.1 17.1 25.7





#19

1,1-Dichloroethane

Concen: 48.61 ug/L

RT: 3.188 min Scan# 668

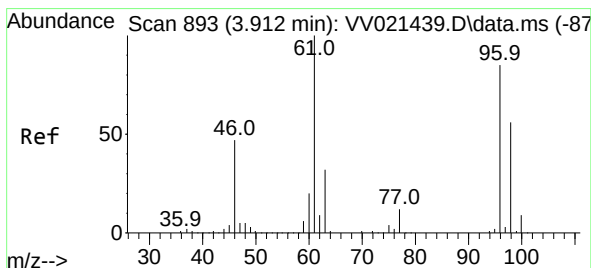
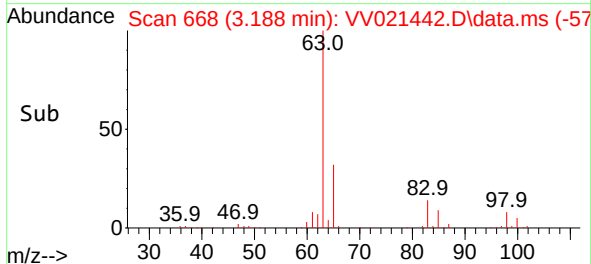
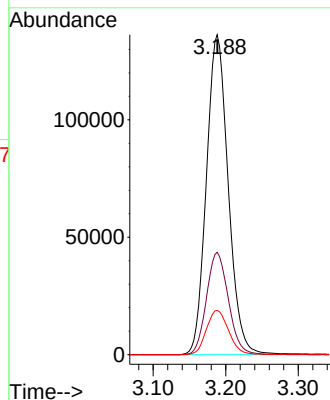
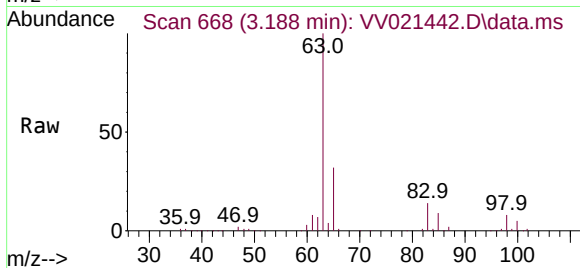
Delta R.T. -0.003 min

Lab File: VV021442.D

Acq: 27 May 2021 12:51

Tgt Ion: 63 Resp: 285193

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.0  | 22.5  | 41.7  |
| 83  | 13.9  | 10.1  | 18.9  |



#20

cis-1,2-Dichloroethene

Concen: 48.71 ug/L

RT: 3.908 min Scan# 892

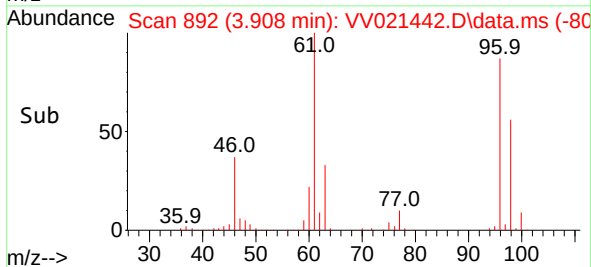
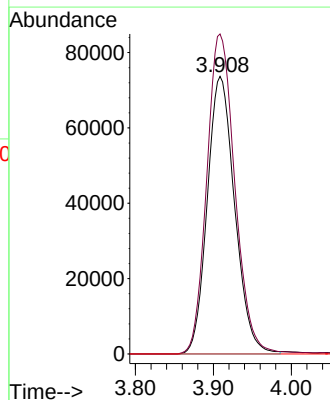
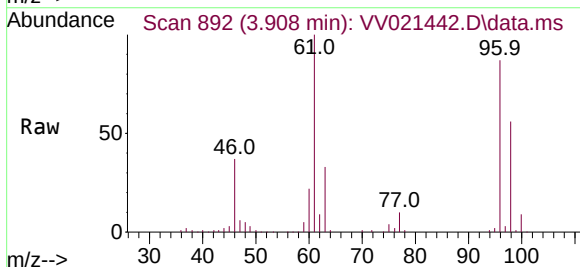
Delta R.T. -0.003 min

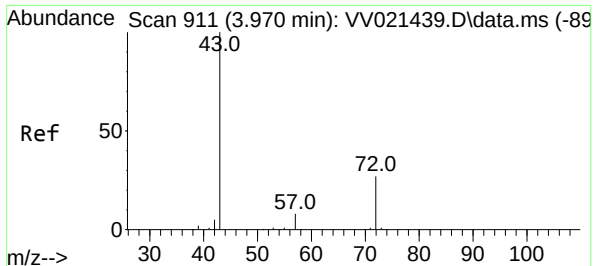
Lab File: VV021442.D

Acq: 27 May 2021 12:51

Tgt Ion: 96 Resp: 180422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.3 | 82.4  | 153.0 |
| 68  | 0.0   | 0.0   | 0.0   |

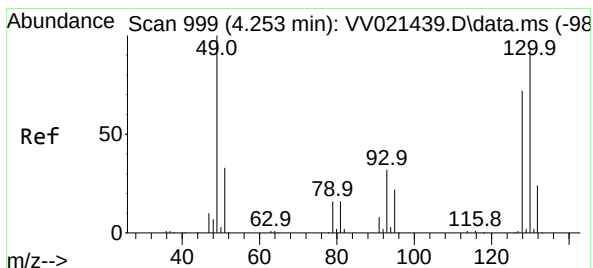
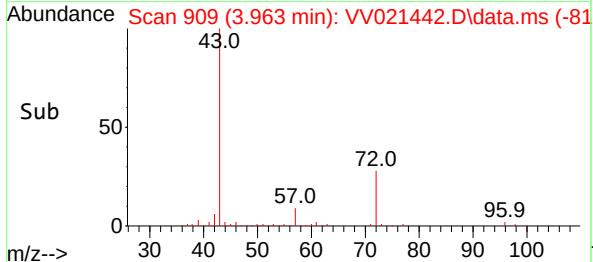
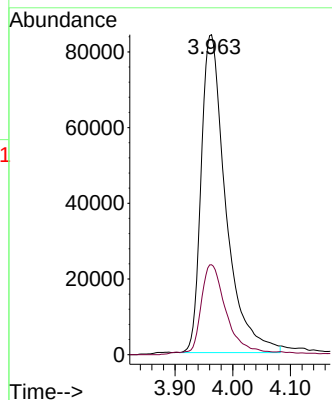
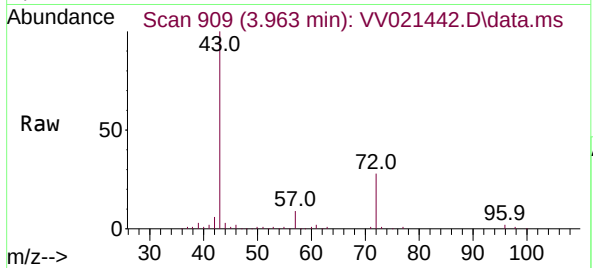




#22  
2-Butanone  
Concen: 97.76 ug/L  
RT: 3.963 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

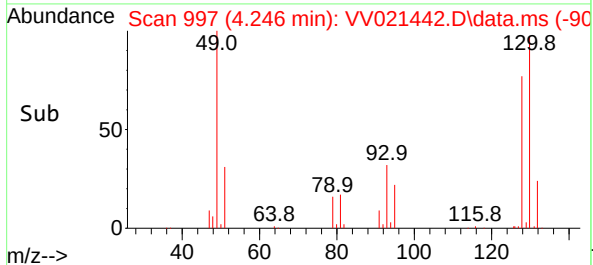
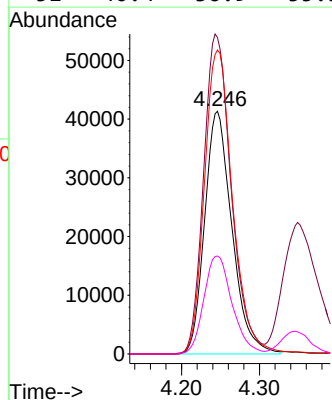
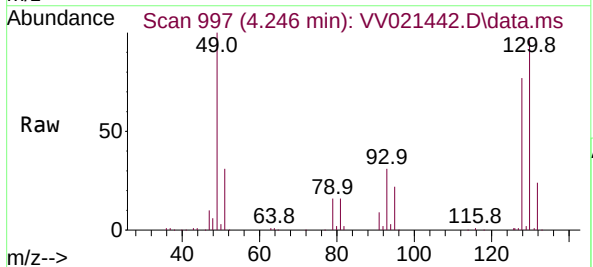
Instrument :  
MSVOA\_V  
ClientSampled :

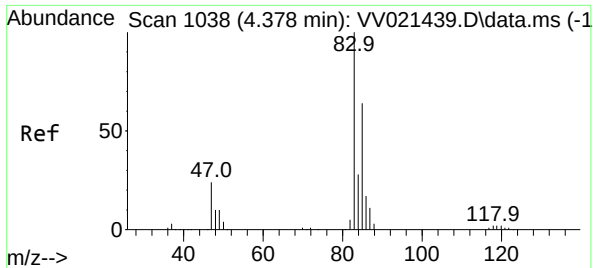
Tgt Ion: 43 Resp: 248741  
Ion Ratio Lower Upper  
43 100  
72 26.6 13.1 39.1



#23  
Bromochloromethane  
Concen: 49.01 ug/L  
RT: 4.246 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:128 Resp: 100539  
Ion Ratio Lower Upper  
128 100  
49 130.4 96.8 179.8  
130 125.3 90.2 167.6  
51 40.4 36.9 55.3

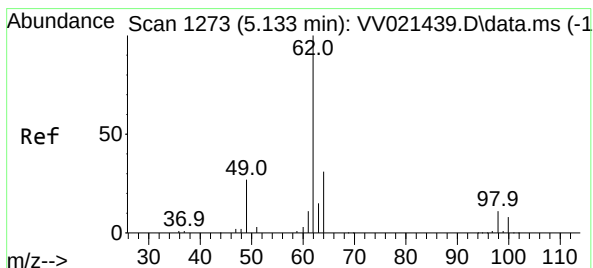
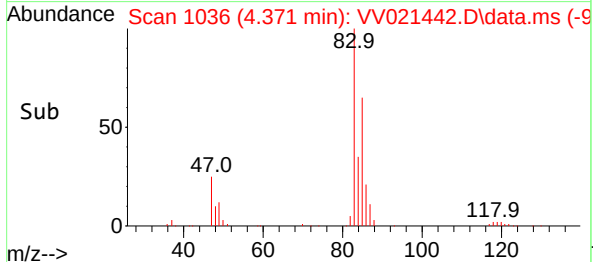
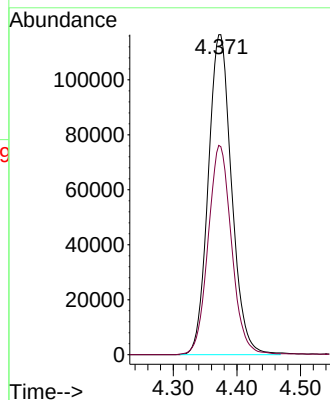
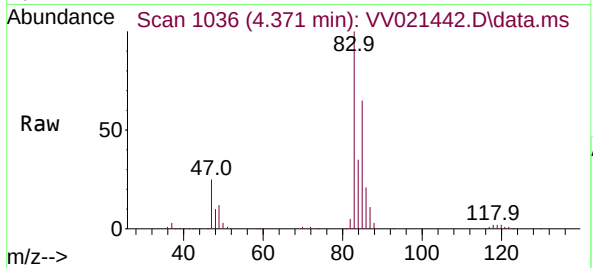




#25  
Chloroform  
Concen: 48.98 ug/L  
RT: 4.371 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

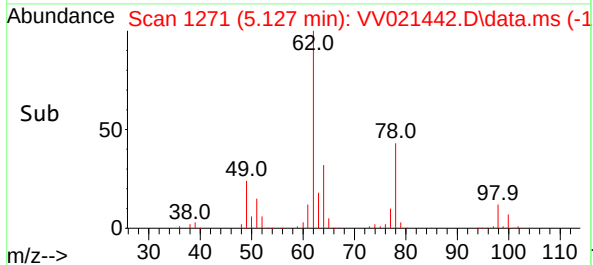
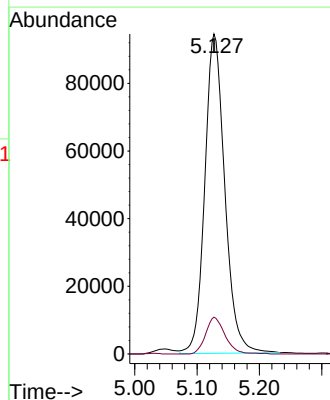
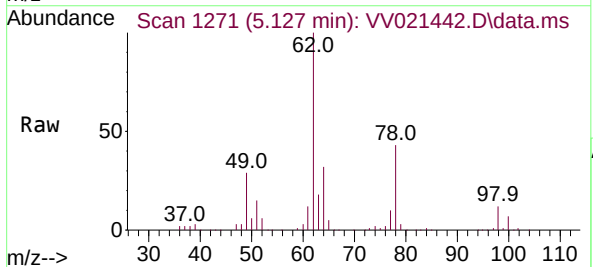
Instrument :  
MSVOA\_V  
ClientSampled :

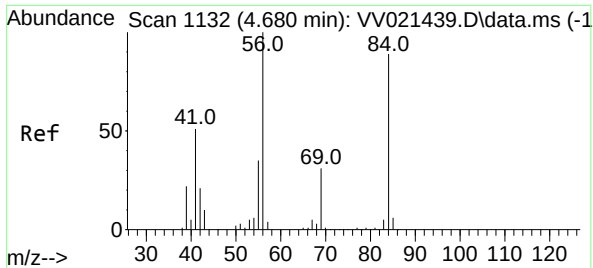
Tgt Ion: 83 Resp: 297373  
Ion Ratio Lower Upper  
83 100  
85 65.4 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 50.19 ug/L  
RT: 5.127 min Scan# 1271  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 62 Resp: 210498  
Ion Ratio Lower Upper  
62 100  
98 11.5 8.6 12.8





#29

Cyclohexane

Concen: 48.21 ug/L

RT: 4.677 min Scan# 1131

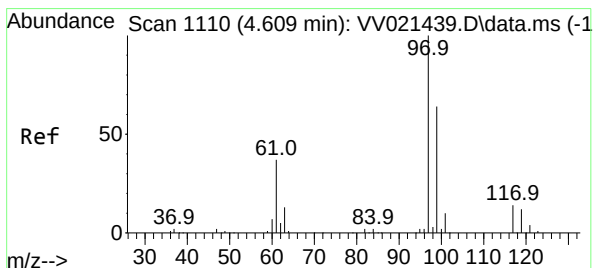
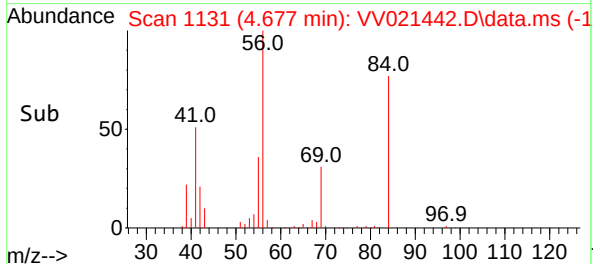
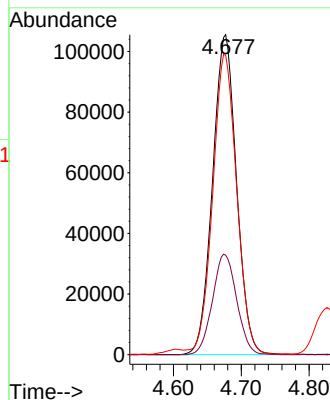
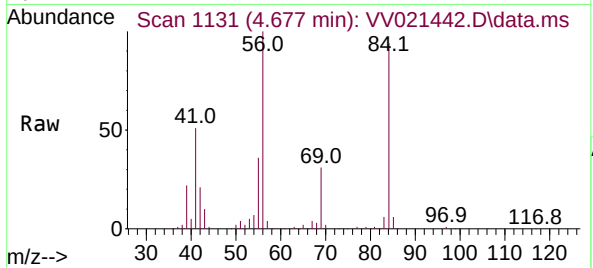
Delta R.T. -0.003 min

Lab File: VV021442.D

Acq: 27 May 2021 12:51

Tgt Ion: 56 Resp: 258930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.8  | 24.9  | 37.3  |
| 84  | 93.5  | 73.7  | 110.5 |



#30

1,1,1-Trichloroethane

Concen: 48.91 ug/L

RT: 4.606 min Scan# 1109

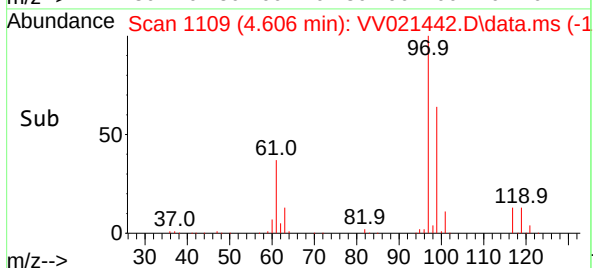
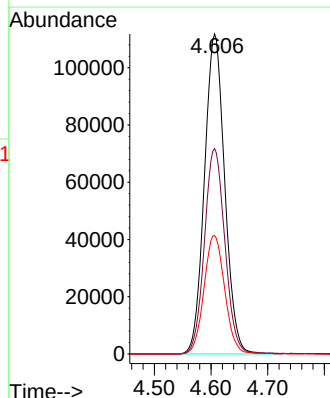
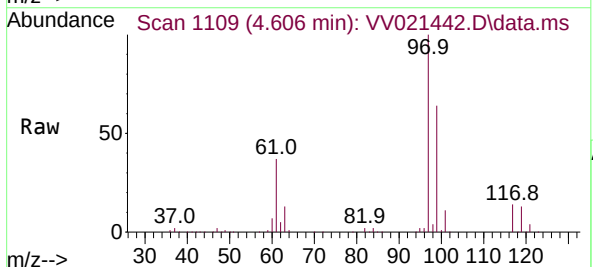
Delta R.T. -0.003 min

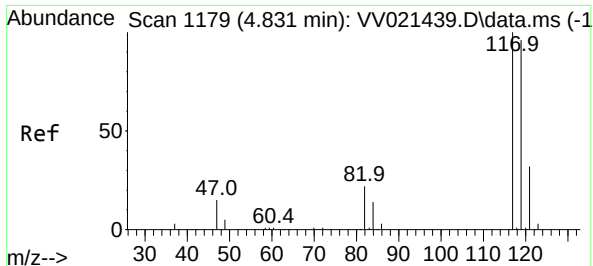
Lab File: VV021442.D

Acq: 27 May 2021 12:51

Tgt Ion: 97 Resp: 278349

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.7  | 51.8  | 77.6  |
| 61  | 37.8  | 30.2  | 45.4  |

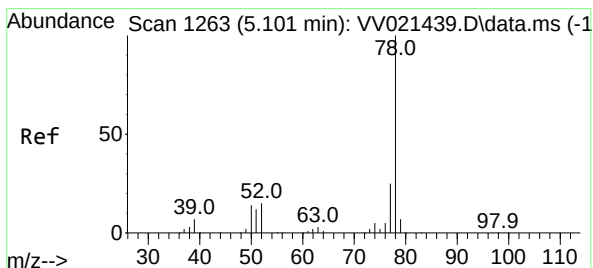
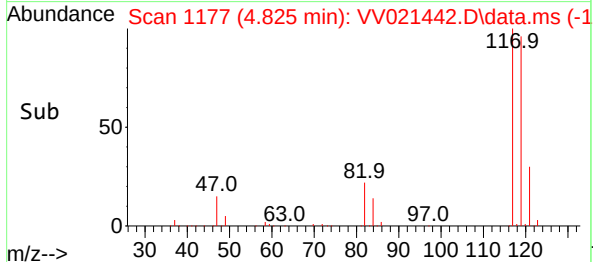
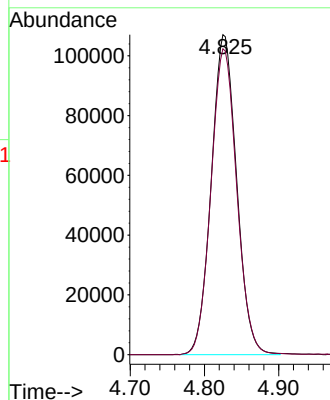
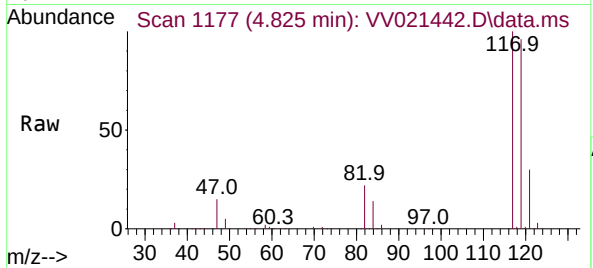




#31  
Carbon tetrachloride  
Concen: 49.15 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

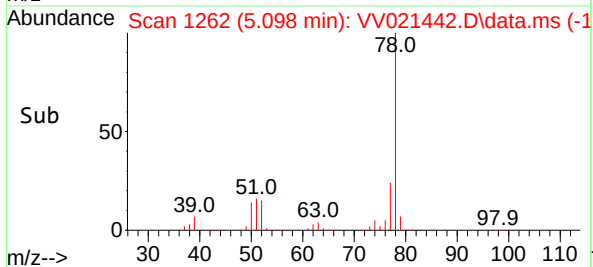
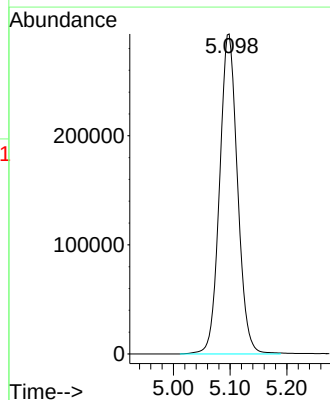
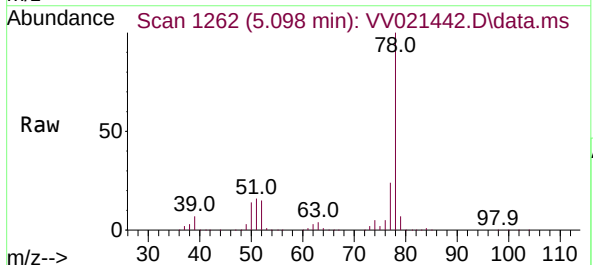
Instrument :  
MSVOA\_V  
ClientSampled :

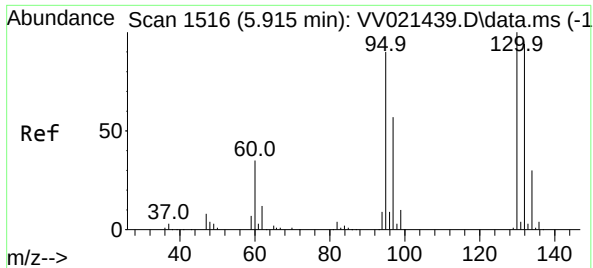
Tgt Ion:117 Resp: 253929  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.8 115.2



#33  
Benzene  
Concen: 48.86 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 78 Resp: 644689

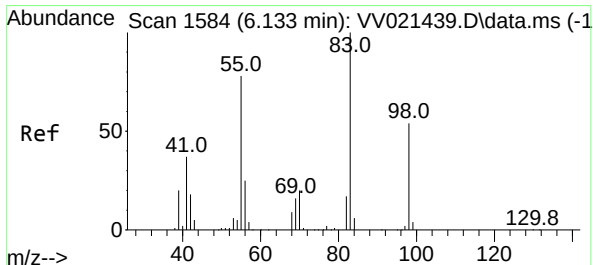
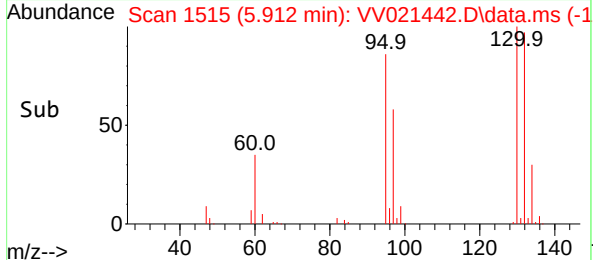
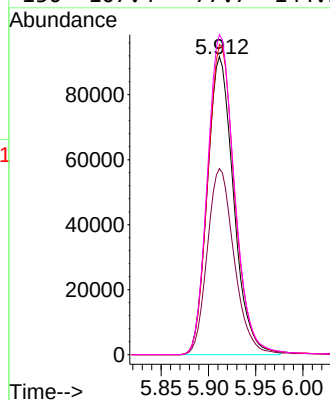
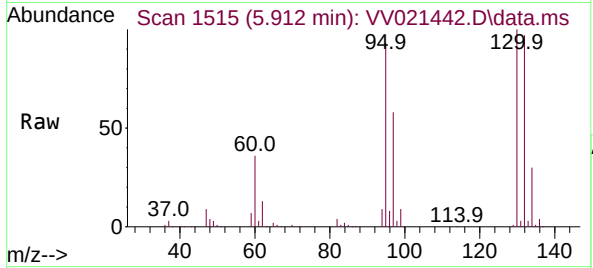




#34  
Trichloroethene  
Concen: 49.57 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

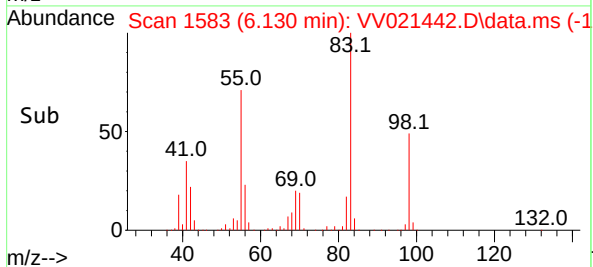
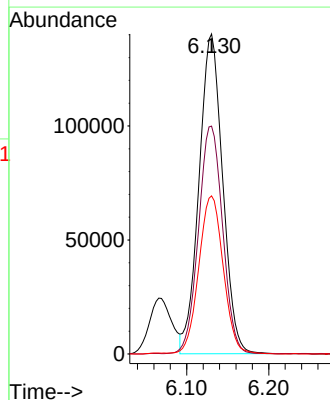
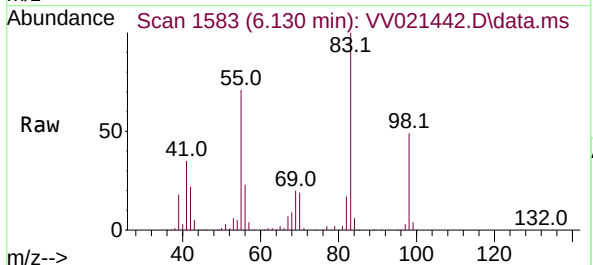
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 95 Resp: 177766  
Ion Ratio Lower Upper  
95 100  
97 62.4 44.3 82.3  
132 104.0 73.2 136.0  
130 107.4 77.7 144.3

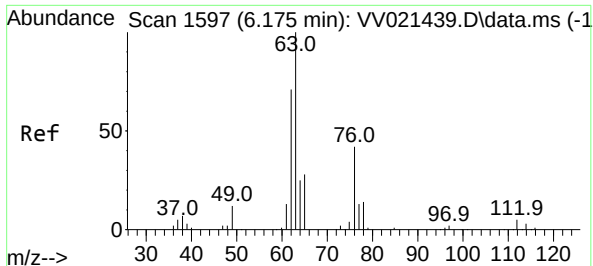


#35  
Methylcyclohexane  
Concen: 48.82 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 83 Resp: 281078  
Ion Ratio Lower Upper  
83 100  
55 72.4 58.0 87.0  
98 51.2 40.8 61.2



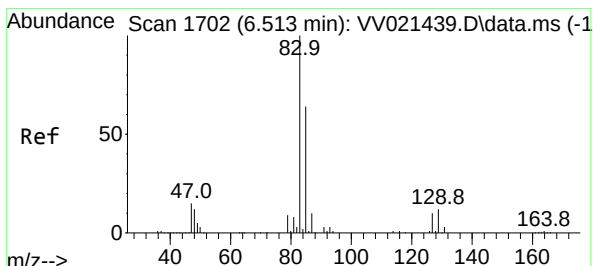
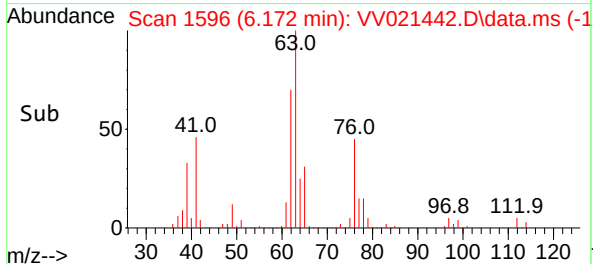
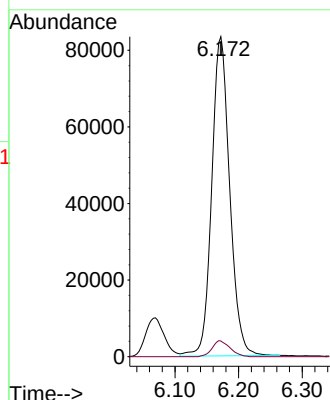
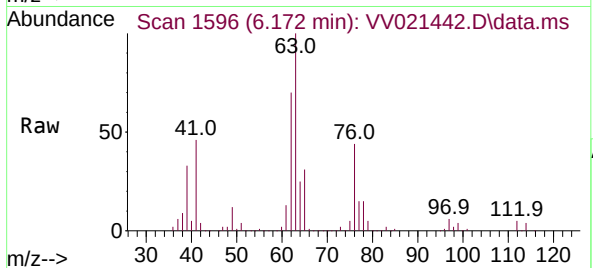




#37  
1,2-Dichloropropane  
Concen: 48.64 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

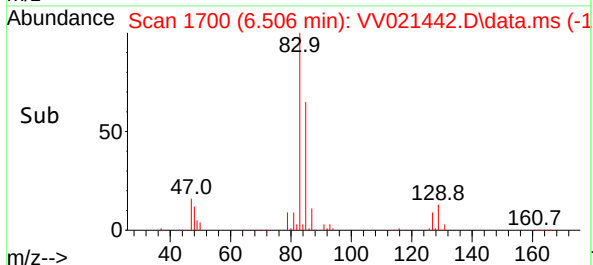
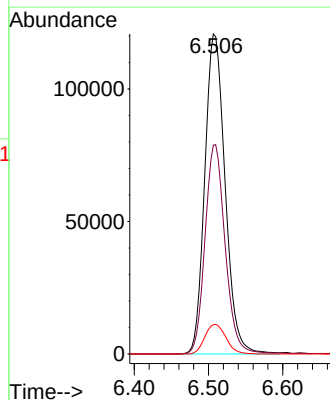
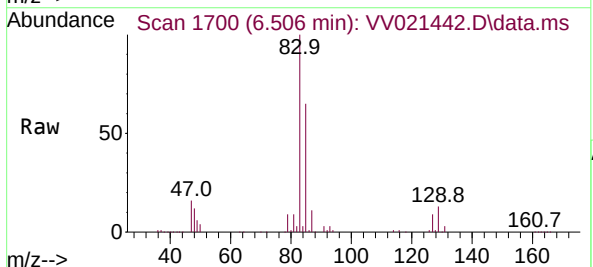
Instrument :  
MSVOA\_V  
ClientSampled :

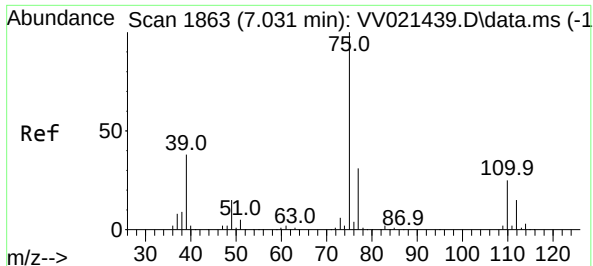
Tgt Ion: 63 Resp: 163639  
Ion Ratio Lower Upper  
63 100  
112 5.0 4.0 6.0



#38  
Bromodichloromethane  
Concen: 48.74 ug/L  
RT: 6.506 min Scan# 1700  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 83 Resp: 230094  
Ion Ratio Lower Upper  
83 100  
85 65.2 44.6 82.8  
127 9.2 7.6 11.4

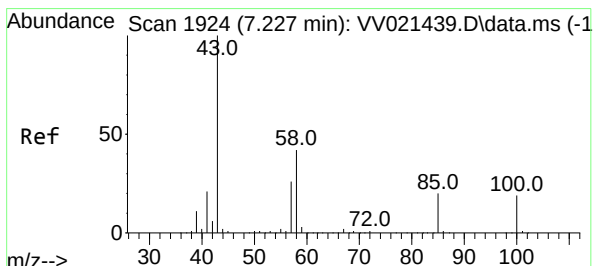
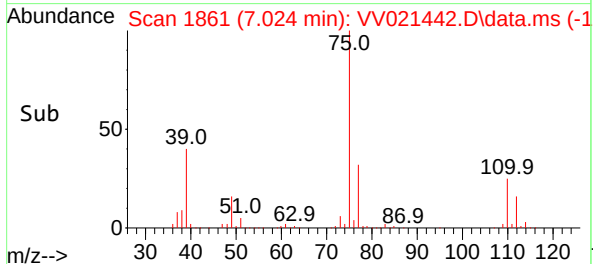
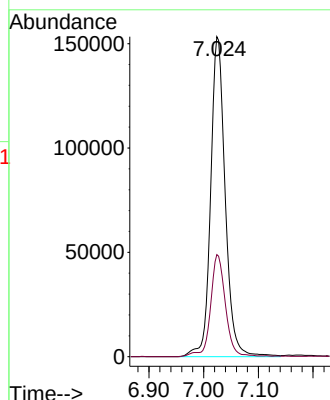
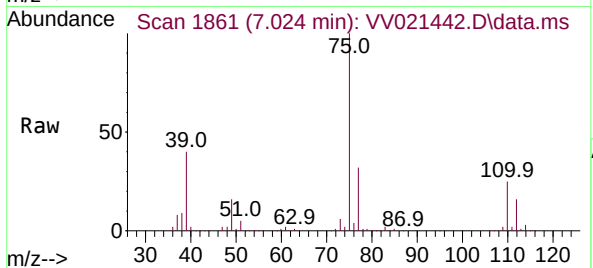




#39  
cis-1,3-Dichloropropene  
Concen: 50.25 ug/L  
RT: 7.024 min Scan# 1861  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

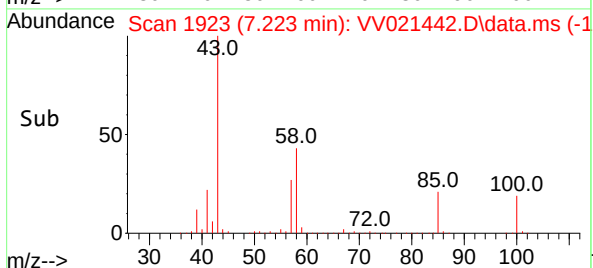
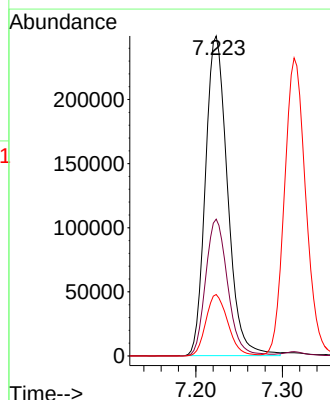
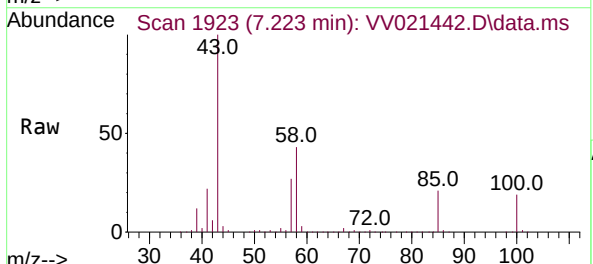
Instrument :  
MSVOA\_V  
ClientSampleId :

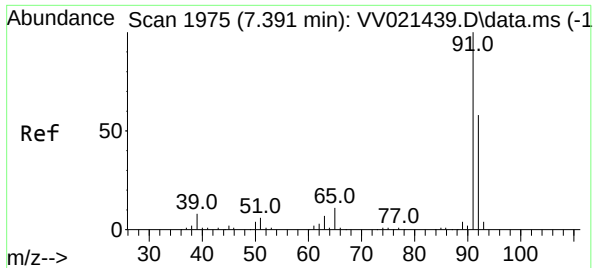
Tgt Ion: 75 Resp: 284199  
Ion Ratio Lower Upper  
75 100  
77 31.9 22.0 41.0



#40  
4-Methyl-2-pentanone  
Concen: 97.10 ug/L  
RT: 7.223 min Scan# 1923  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 43 Resp: 442913  
Ion Ratio Lower Upper  
43 100  
58 42.8 33.5 50.3  
100 19.1 14.8 22.2

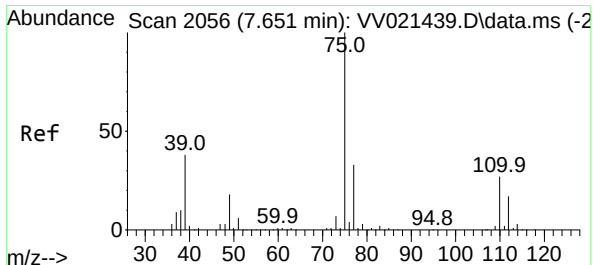
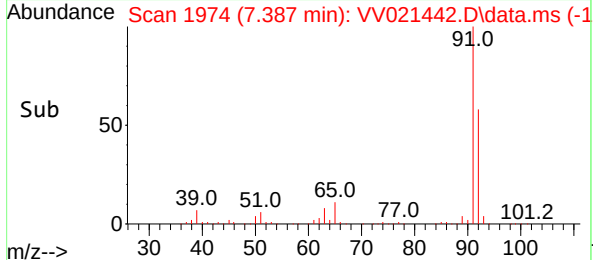
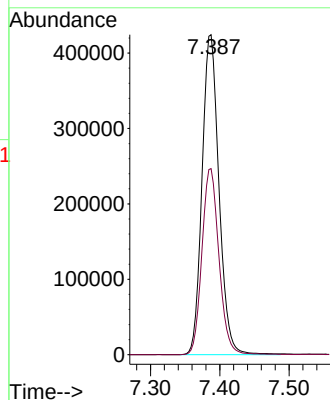
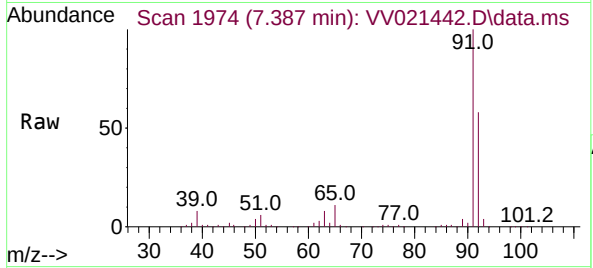




#42  
Toluene  
Concen: 49.16 ug/L  
RT: 7.387 min Scan# 1974  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

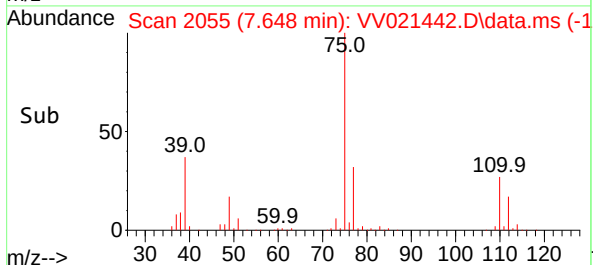
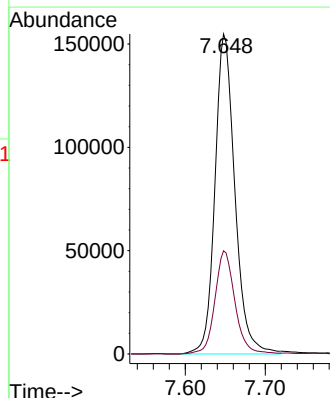
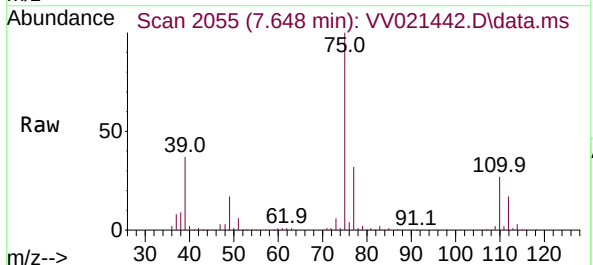
Instrument :  
MSVOA\_V  
ClientSampled :

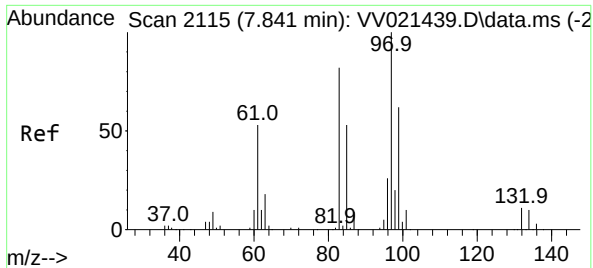
Tgt Ion: 91 Resp: 719538  
Ion Ratio Lower Upper  
91 100  
92 58.2 40.9 75.9



#44  
trans-1,3-Dichloropropene  
Concen: 50.05 ug/L  
RT: 7.648 min Scan# 2055  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 75 Resp: 267792  
Ion Ratio Lower Upper  
75 100  
77 32.3 22.9 42.5



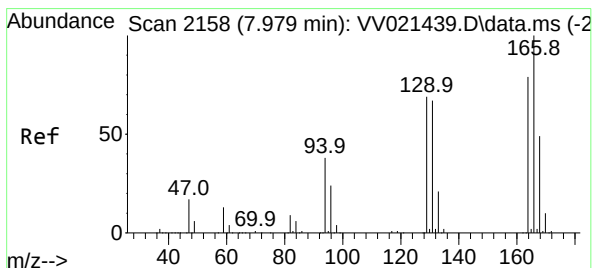
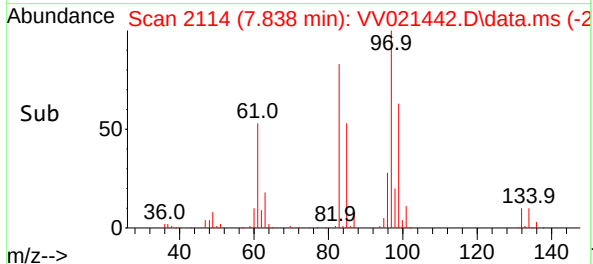
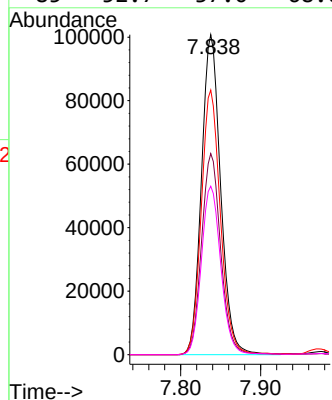
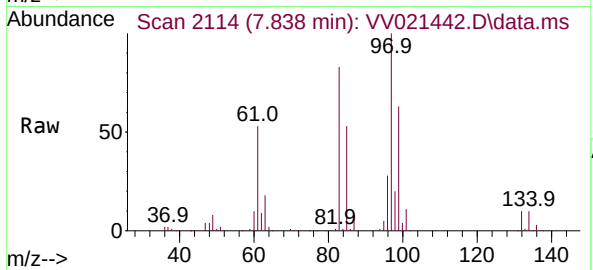


#45

1,1,2-Trichloroethane  
Concen: 49.38 ug/L  
RT: 7.838 min Scan# 2114  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Instrument :  
MSVOA\_V  
ClientSampleId :

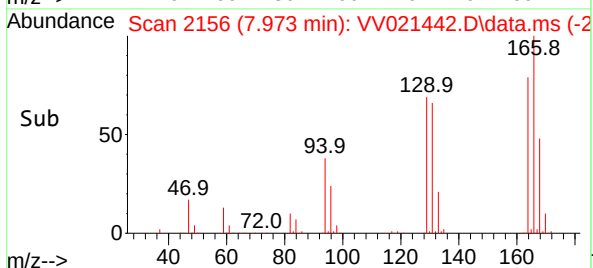
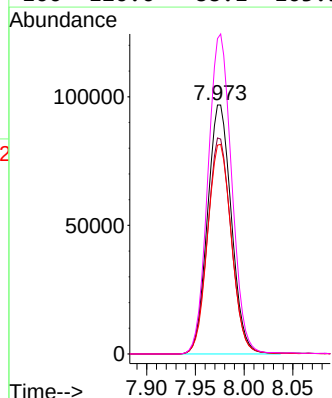
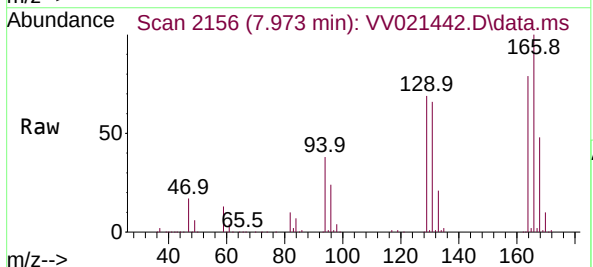
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 168588 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.9  | 43.7  | 81.1   |
| 83       | 82.7  | 57.1  | 106.1  |
| 85       | 52.7  | 37.0  | 68.6   |

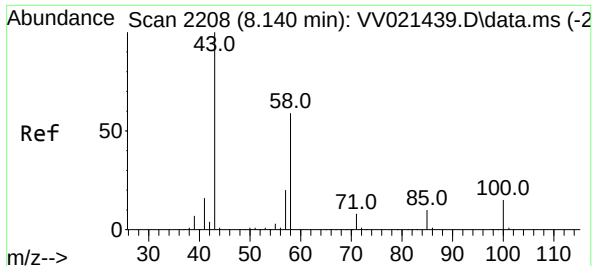


#46

Tetrachloroethene  
Concen: 50.01 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. -0.006 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 164887 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 86.8  | 60.5  | 112.3  |
| 131      | 83.9  | 58.7  | 108.9  |
| 166      | 126.6 | 88.1  | 163.5  |

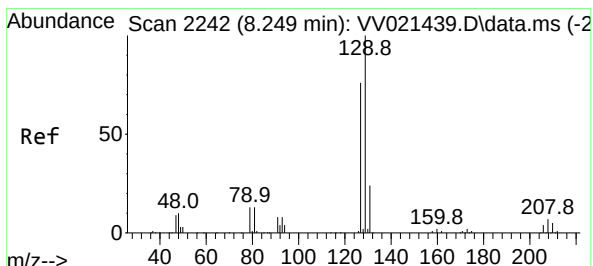
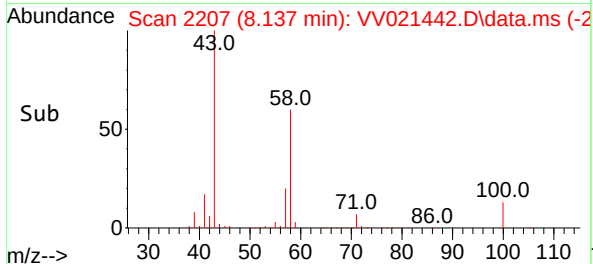
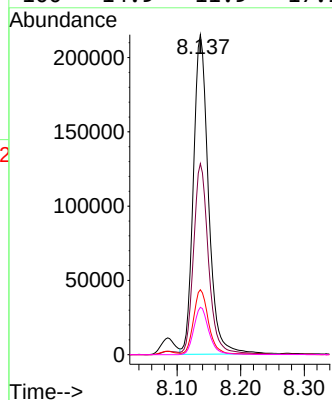
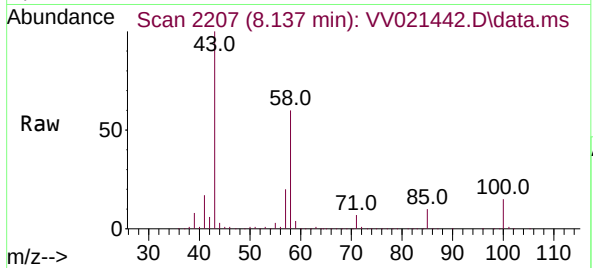




#48  
2-Hexanone  
Concen: 101.34 ug/L  
RT: 8.137 min Scan# 2207  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

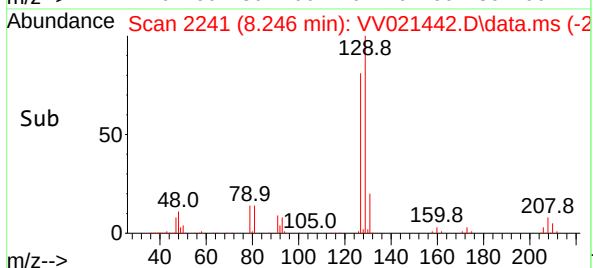
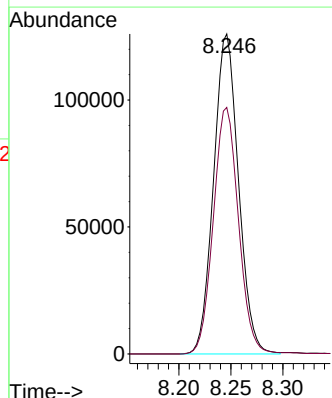
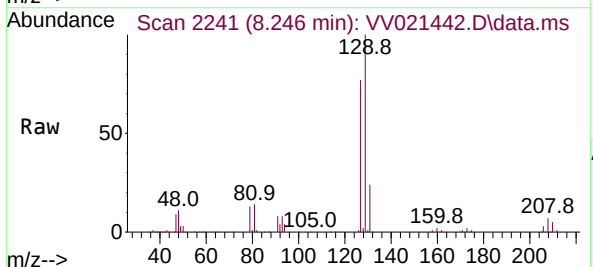
Instrument :  
MSVOA\_V  
ClientSampled :

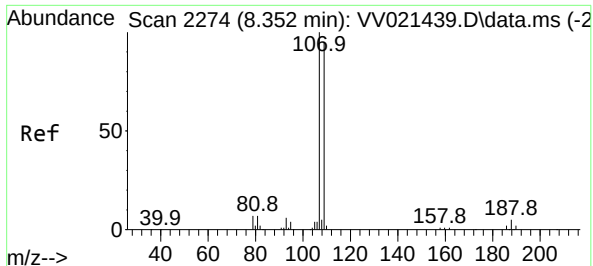
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 354523 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 58.5  | 47.1  | 70.7   |
| 57       | 19.8  | 16.0  | 24.0   |
| 100      | 14.9  | 11.9  | 17.9   |



#49  
Dibromochloromethane  
Concen: 49.20 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 210373 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.1  | 53.0  | 98.4   |





#50

1,2-Dibromoethane

Concen: 49.16 ug/L

RT: 8.352 min Scan# 2274

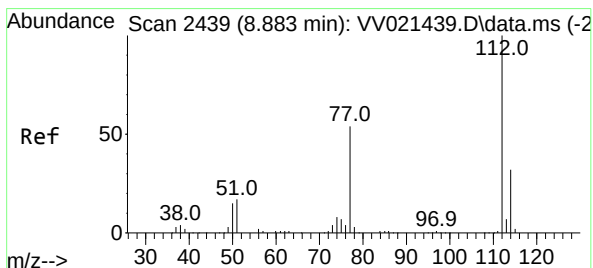
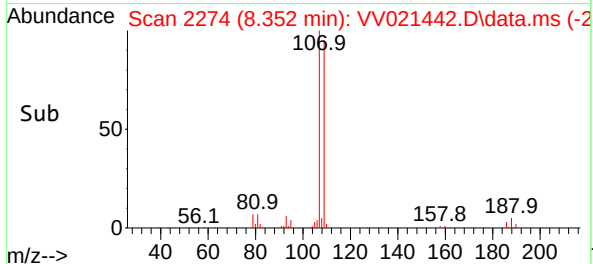
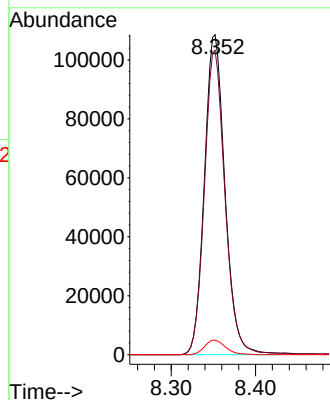
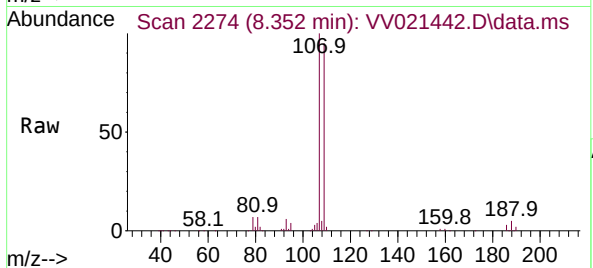
Delta R.T. 0.000 min

Lab File: VV021442.D

Acq: 27 May 2021 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 184725 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 95.1  | 66.7  | 123.9  |
| 188      | 4.6   | 3.8   | 5.8    |

Instrument :  
MSVOA\_V  
ClientSampleId :



#51

Chlorobenzene

Concen: 49.32 ug/L

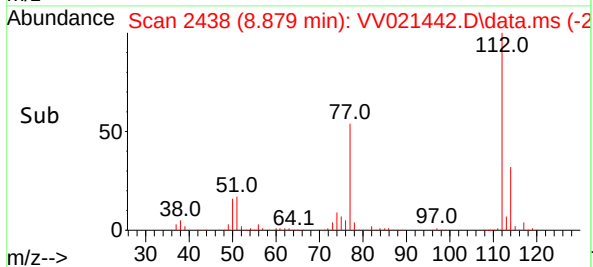
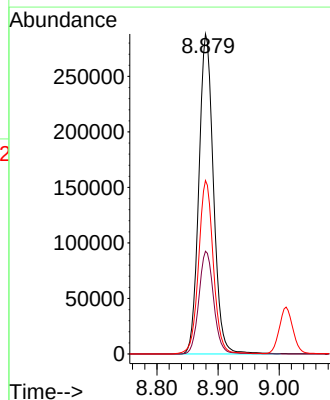
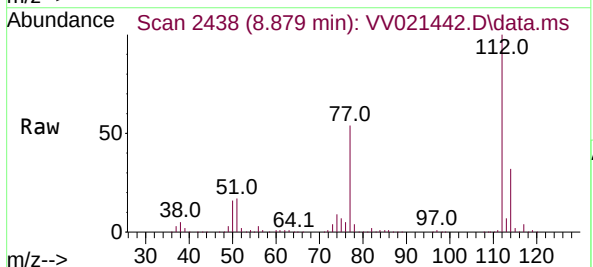
RT: 8.879 min Scan# 2438

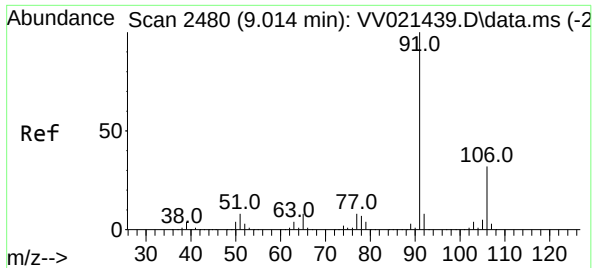
Delta R.T. -0.003 min

Lab File: VV021442.D

Acq: 27 May 2021 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 477256 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.1  | 22.5  | 41.9   |
| 77       | 54.2  | 43.8  | 65.6   |

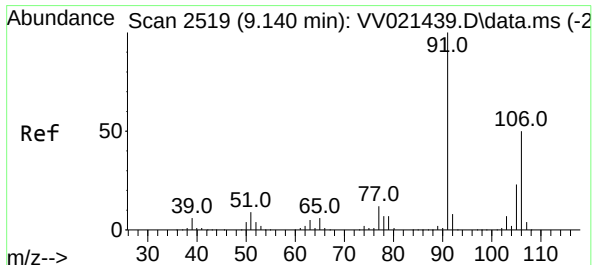
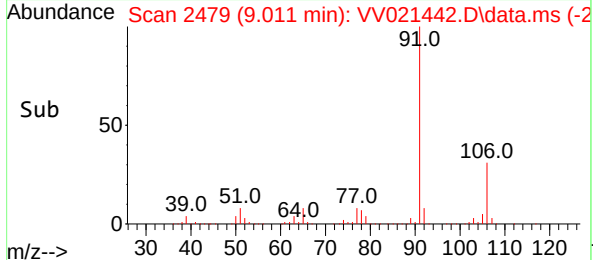
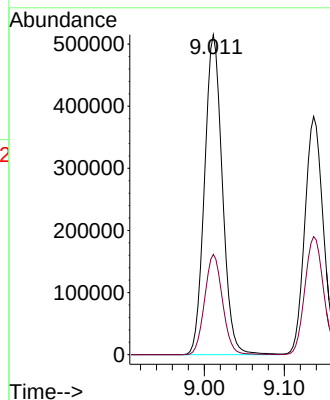
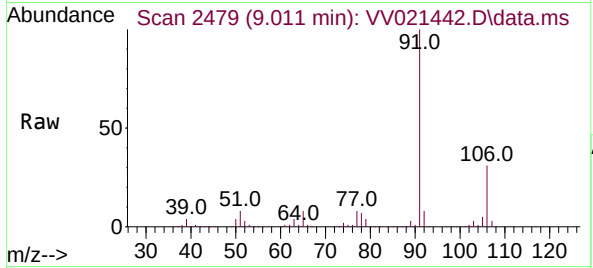




#52  
Ethylbenzene  
Concen: 49.70 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

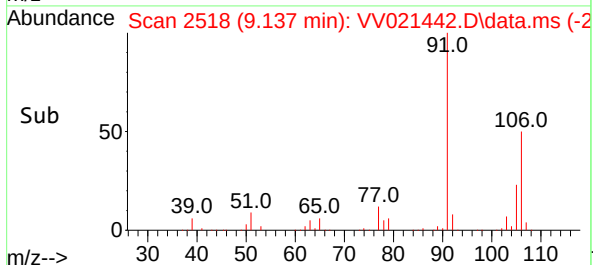
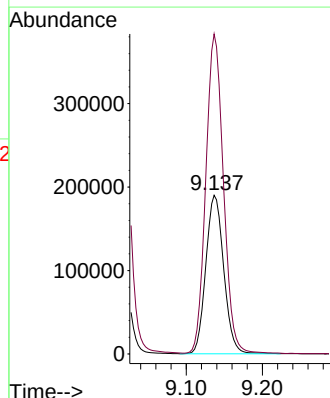
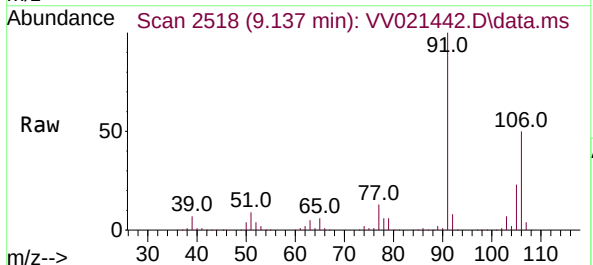
Instrument :  
MSVOA\_V  
ClientSampled :

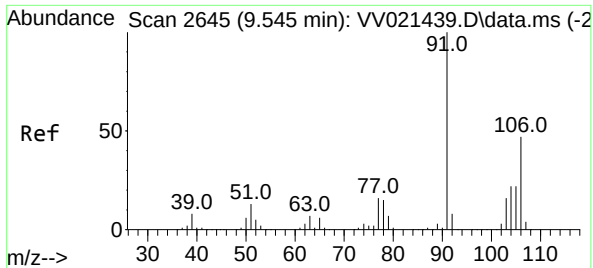
Tgt Ion: 91 Resp: 798980  
Ion Ratio Lower Upper  
91 100  
106 31.4 22.4 41.6



#53  
m,p-Xylene  
Concen: 50.27 ug/L  
RT: 9.137 min Scan# 2518  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 106 Resp: 310515  
Ion Ratio Lower Upper  
106 100  
91 201.6 139.4 258.8

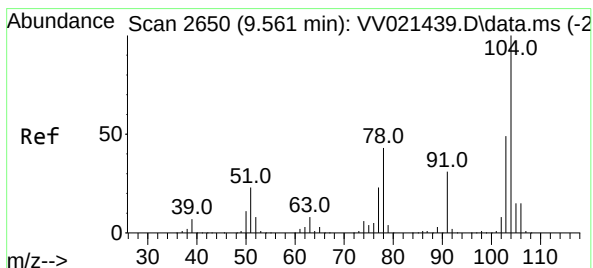
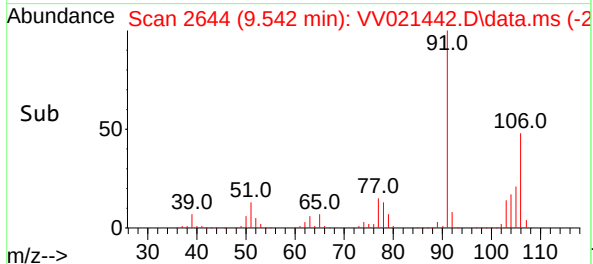
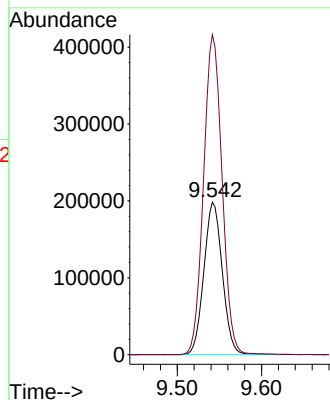
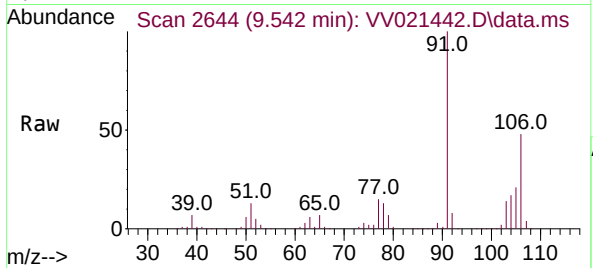




#54  
o-Xylene  
Concen: 49.64 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

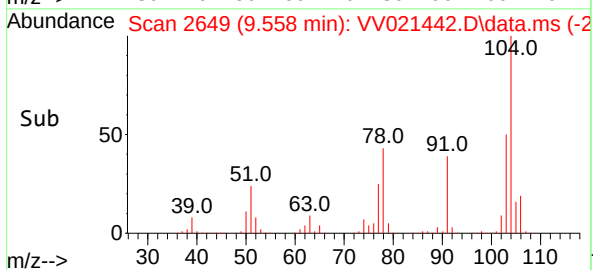
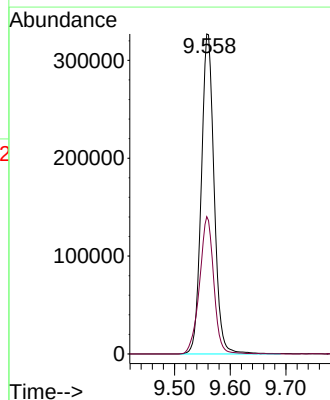
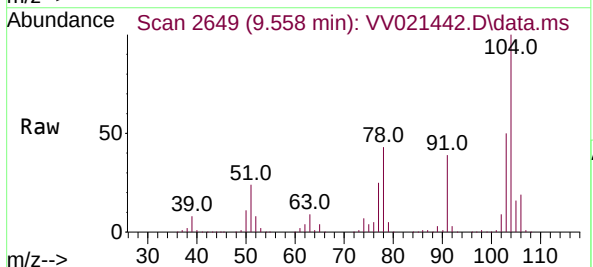
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:106 Resp: 302778  
Ion Ratio Lower Upper  
106 100  
91 209.9 148.5 275.9

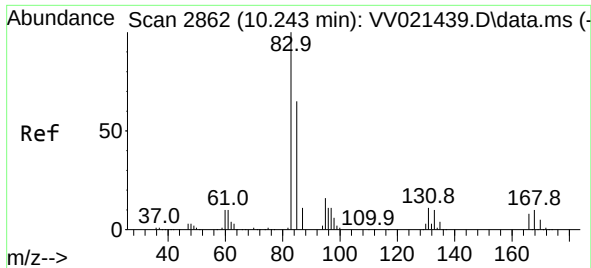


#55  
Styrene  
Concen: 50.05 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:104 Resp: 525417  
Ion Ratio Lower Upper  
104 100  
78 42.9 30.3 56.3



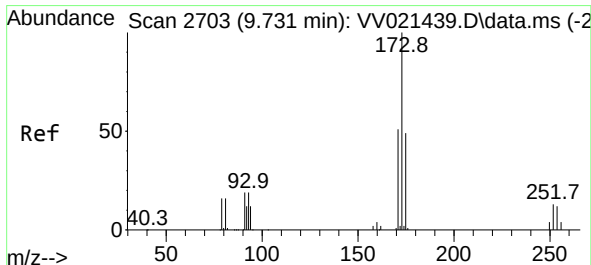
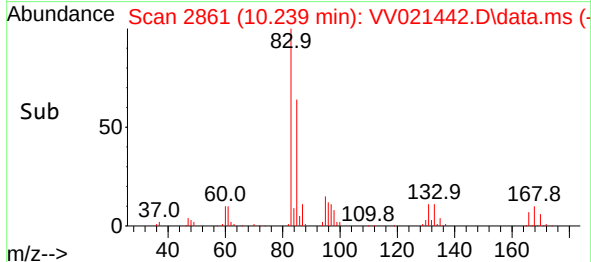
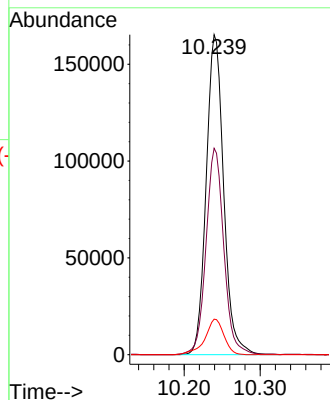
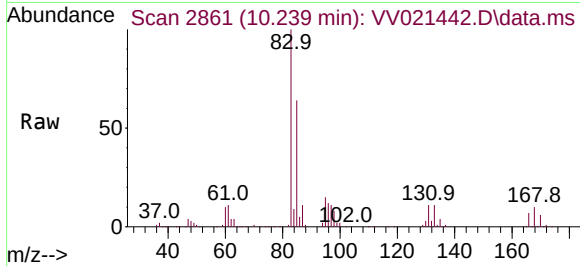




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.42 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

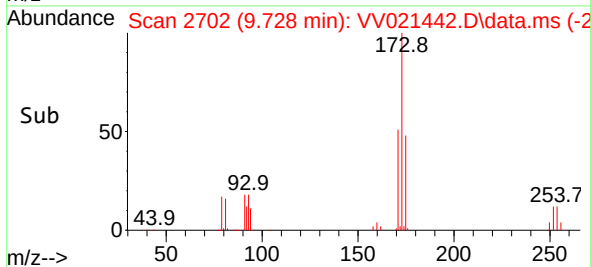
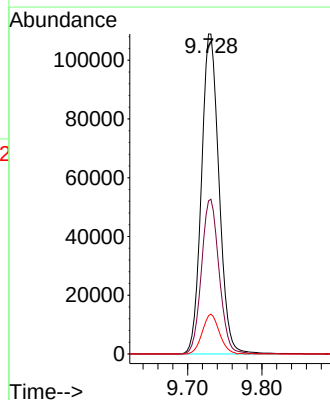
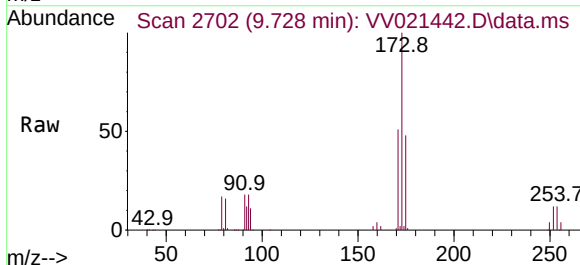
Instrument :  
MSVOA\_V  
ClientSampleId :

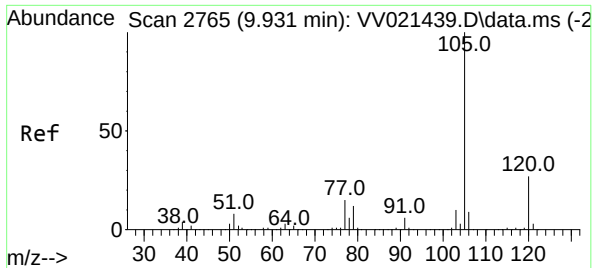
Tgt Ion: 83 Resp: 263400  
Ion Ratio Lower Upper  
83 100  
85 64.5 45.8 85.2  
131 11.1 8.7 13.1



#59  
Bromoform  
Concen: 48.90 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 173 Resp: 178941  
Ion Ratio Lower Upper  
173 100  
175 48.5 38.7 58.1  
254 12.1 9.8 14.8

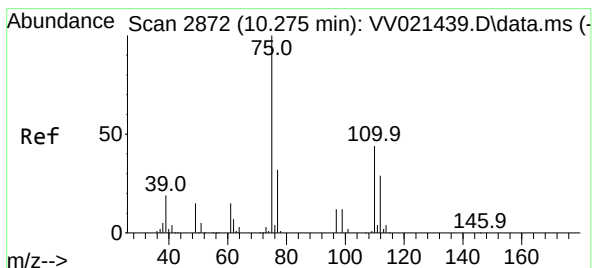
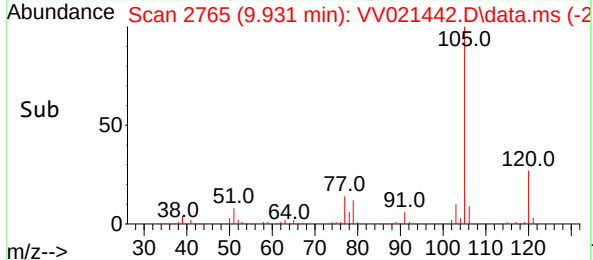
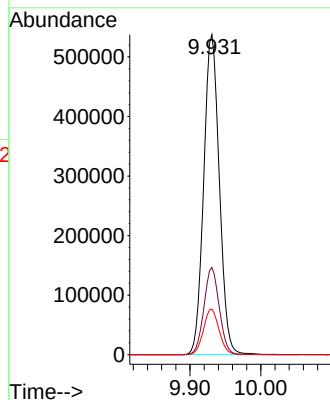
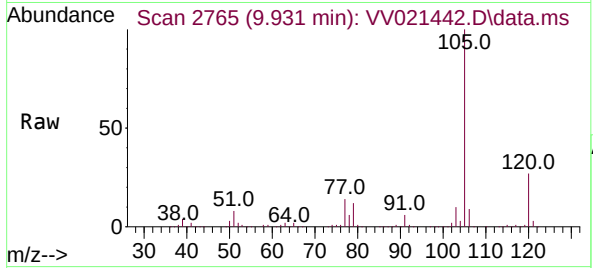




#60  
Isopropylbenzene  
Concen: 48.97 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

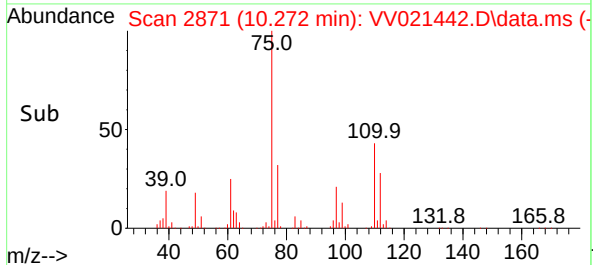
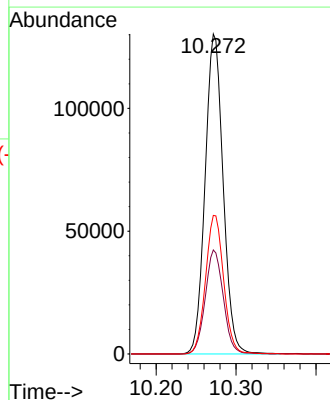
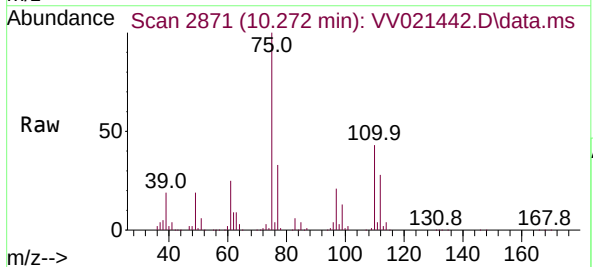
Instrument :  
MSVOA\_V  
ClientSampled :

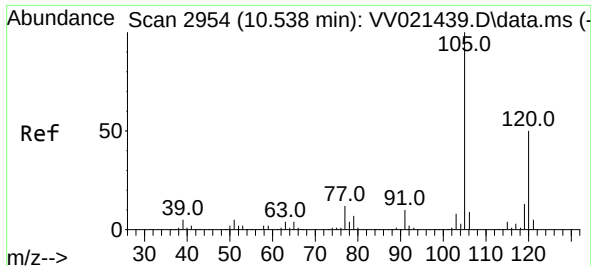
Tgt Ion:105 Resp: 823035  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.7 32.5  
77 14.3 11.5 17.3



#61  
1,2,3-Trichloropropane  
Concen: 48.05 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 75 Resp: 204775  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.9 38.9  
110 43.3 34.8 52.2

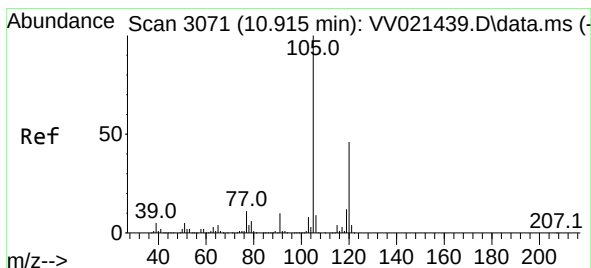
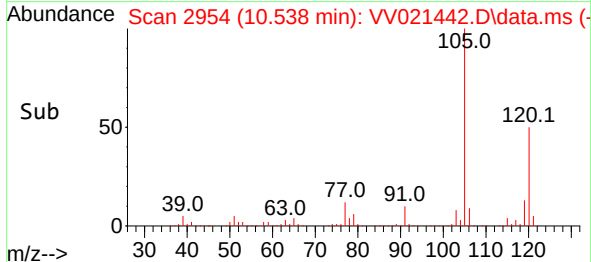
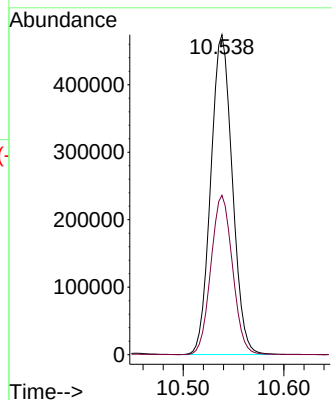
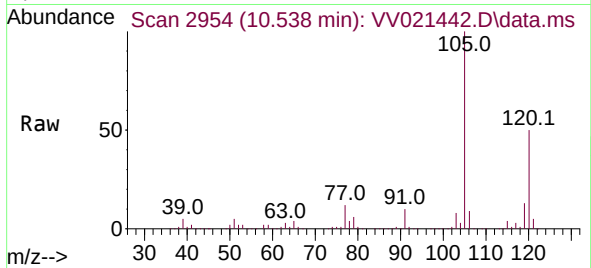




#62  
1,3,5-Trimethylbenzene  
Concen: 48.69 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

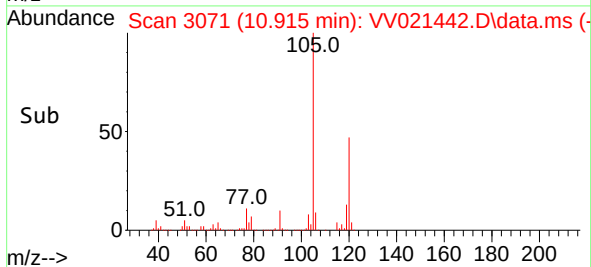
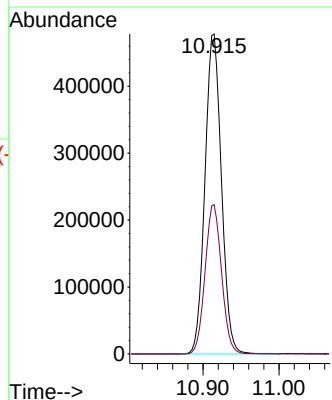
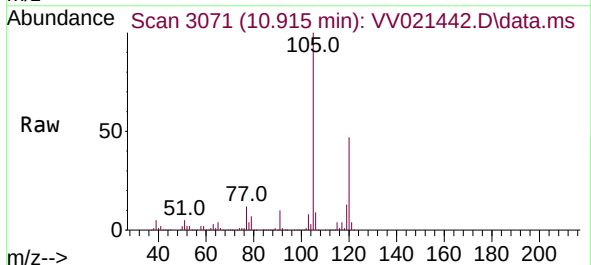
Instrument :  
MSVOA\_V  
ClientSampled :

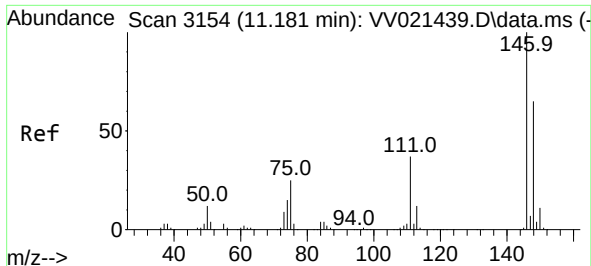
Tgt Ion:105 Resp: 704434  
Ion Ratio Lower Upper  
105 100  
120 50.1 40.1 60.1



#63  
1,2,4-Trimethylbenzene  
Concen: 49.18 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:105 Resp: 718855  
Ion Ratio Lower Upper  
105 100  
120 46.8 37.0 55.4

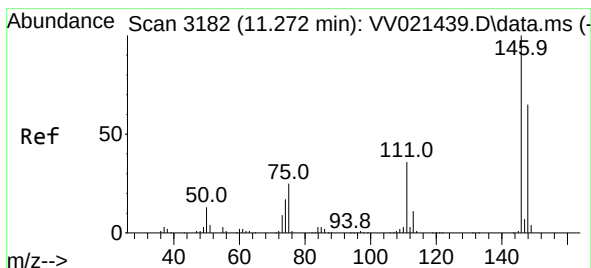
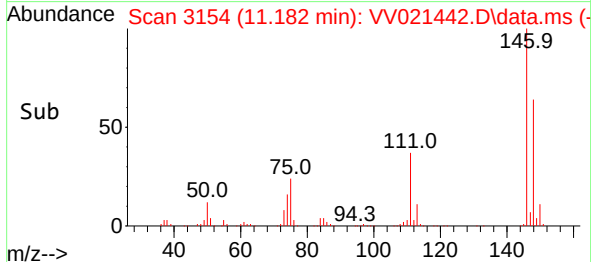
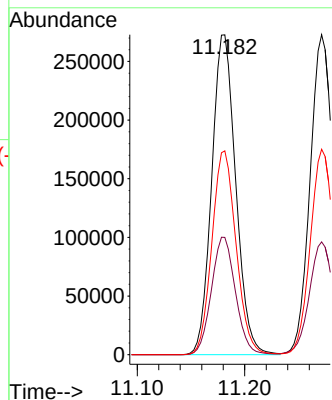
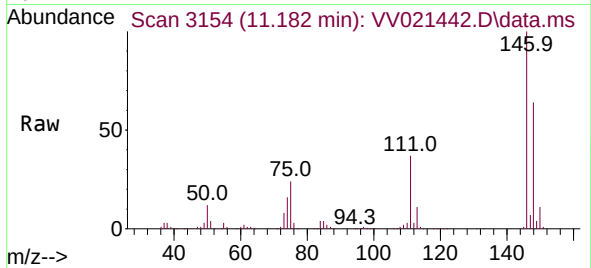




#64  
1,3-Dichlorobenzene  
Concen: 49.87 ug/L  
RT: 11.182 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

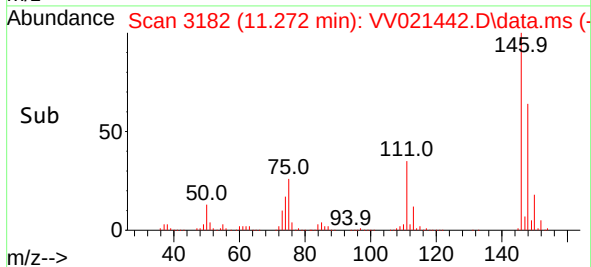
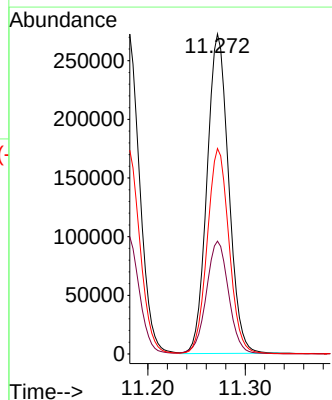
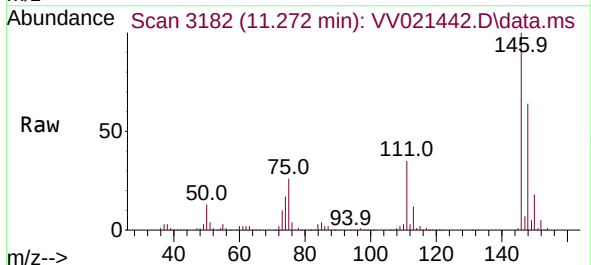
Instrument :  
MSVOA\_V  
ClientSampled :

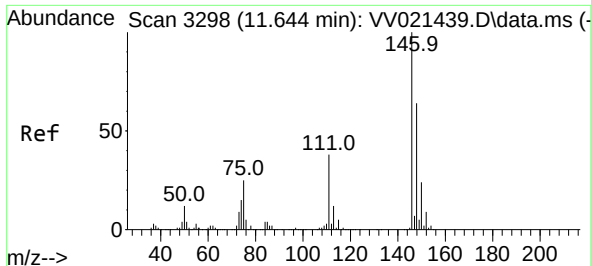
Tgt Ion:146 Resp: 423402  
Ion Ratio Lower Upper  
146 100  
111 36.7 26.0 48.2  
148 63.7 45.2 84.0



#65  
1,4-Dichlorobenzene  
Concen: 48.95 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:146 Resp: 419587  
Ion Ratio Lower Upper  
146 100  
111 35.3 25.4 47.2  
148 64.2 45.4 84.4

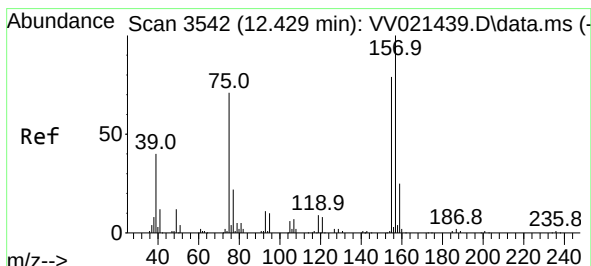
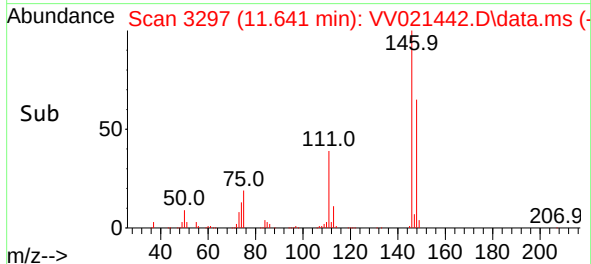
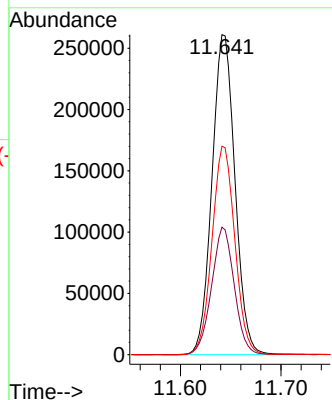
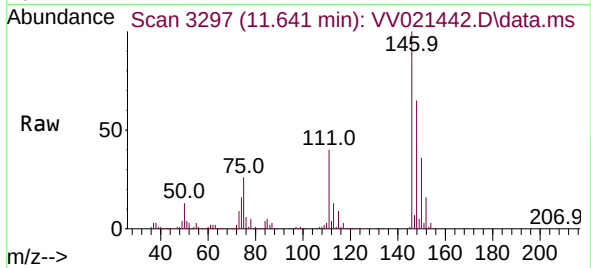




#67  
1,2-Dichlorobenzene  
Concen: 48.79 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

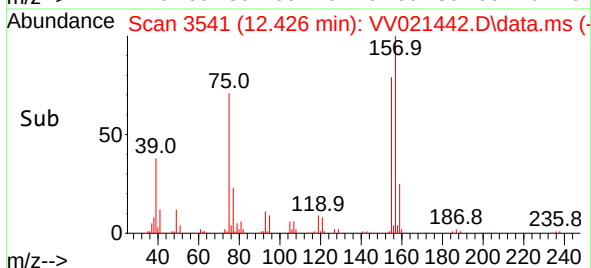
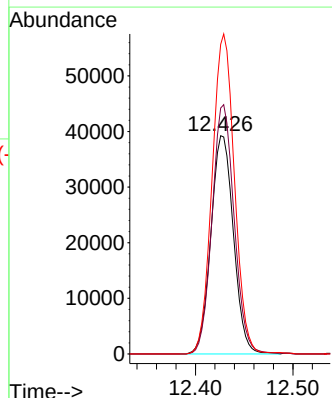
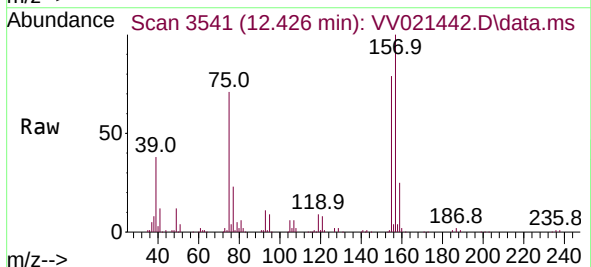
Instrument :  
MSVOA\_V  
ClientSampled :

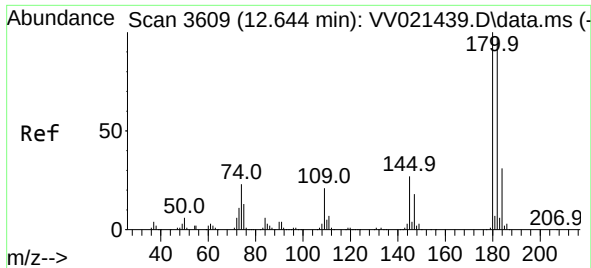
Tgt Ion:146 Resp: 414710  
Ion Ratio Lower Upper  
146 100  
111 39.9 30.8 46.2  
148 65.1 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 47.44 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion: 75 Resp: 62987  
Ion Ratio Lower Upper  
75 100  
155 112.7 89.7 134.5  
157 141.8 113.2 169.8

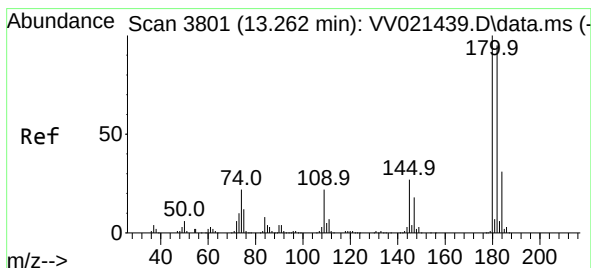
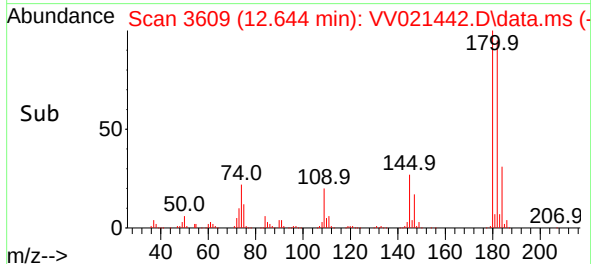
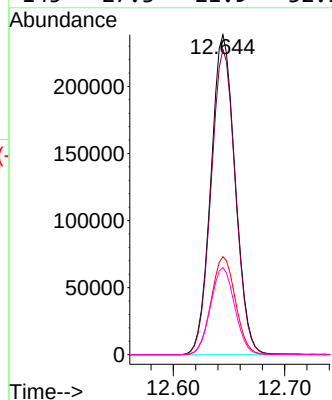
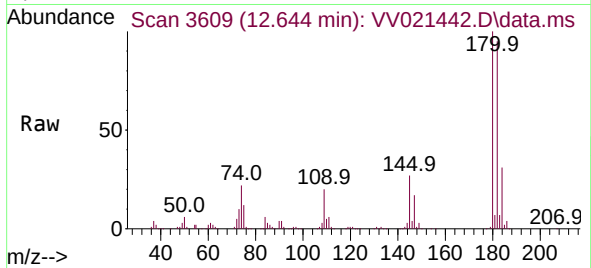




#69  
1,3,5-Trichlorobenzene  
Concen: 50.47 ug/L  
RT: 12.644 min Scan# 3609  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

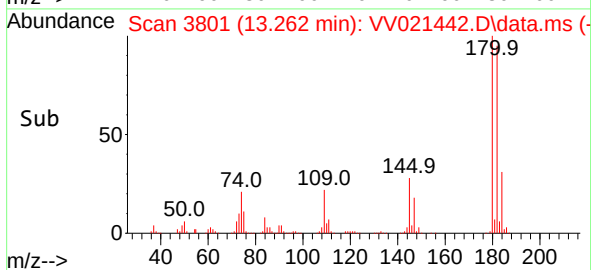
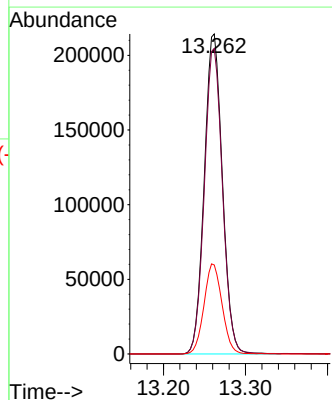
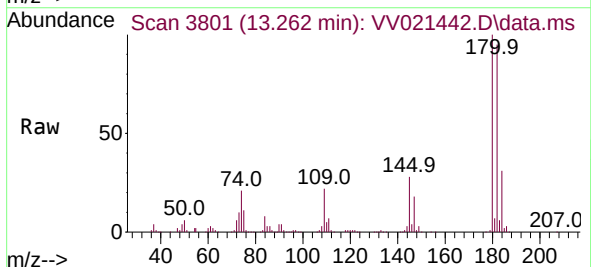
Instrument :  
MSVOA\_V  
ClientSampled :

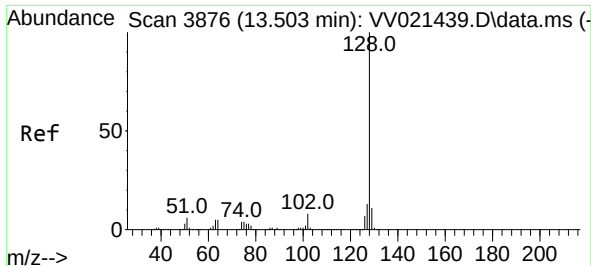
Tgt Ion:180 Resp: 361484  
Ion Ratio Lower Upper  
180 100  
182 95.8 76.8 115.2  
184 30.6 24.3 36.5  
145 27.3 21.9 32.9



#70  
1,2,4-trichlorobenzene  
Concen: 51.45 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:180 Resp: 329151  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.2 114.4  
145 28.1 21.8 32.8

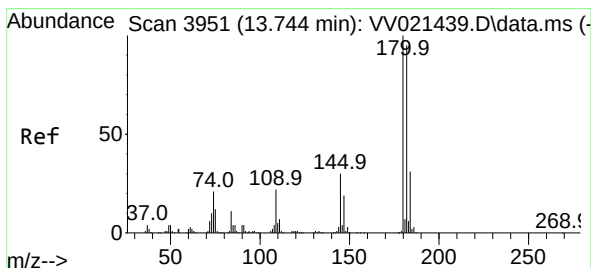
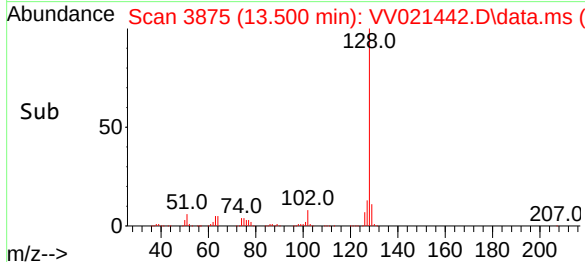
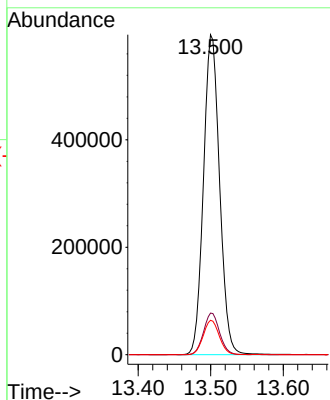
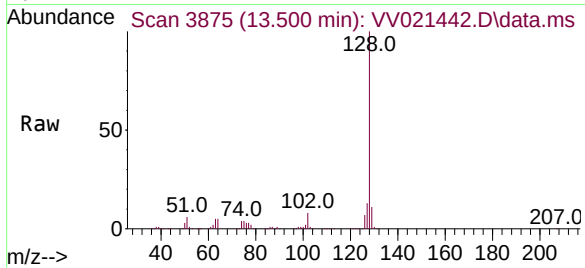




#71  
Naphthalene  
Concen: 52.16 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.003 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 920541  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 10.7 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 51.85 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.000 min  
Lab File: VV021442.D  
Acq: 27 May 2021 12:51

Tgt Ion:180 Resp: 322919  
Ion Ratio Lower Upper  
180 100  
182 95.9 76.3 114.5  
145 29.2 24.0 36.0

