

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090121\  
 Data File : VV022056.D  
 Acq On : 01 Sep 2021 09:45  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 02 05:10:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 01 02:41:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|--------|-------|----------|
| -----                         |                |      |                    |        |       |          |
| Internal Standards            |                |      |                    |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.616          | 114  | 358923             | 50.00  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 344905             | 50.00  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 191240             | 50.00  | ug/L  | 0.00     |
|                               |                |      |                    |        |       |          |
| System Monitoring Compounds   |                |      |                    |        |       |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 133242             | 53.61  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 107.22% |        |       |          |
| 7) Chloroethane-d5            | 1.561          | 69   | 105226             | 54.21  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 108.42% |        |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 225720             | 54.91  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 109.82% |        |       |          |
| 21) 2-Butanone-d5             | 3.873          | 46   | 179672             | 105.40 | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 105.40% |        |       |          |
| 24) Chloroform-d              | 4.349          | 84   | 235158             | 51.89  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 103.78% |        |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.031          | 65   | 139192             | 52.14  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 104.28% |        |       |          |
| 32) Benzene-d6                | 5.050          | 84   | 482961             | 51.63  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 103.26% |        |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 149107             | 50.68  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 101.36% |        |       |          |
| 41) Toluene-d8                | 7.317          | 98   | 456583             | 51.70  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 103.40% |        |       |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 70530              | 50.37  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 100.74% |        |       |          |
| 47) 2-Hexanone-d5             | 8.088          | 63   | 121982             | 108.06 | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 108.06% |        |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 204083             | 54.16  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 108.32% |        |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 183028             | 48.68  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 97.36%  |        |       |          |
|                               |                |      |                    |        |       |          |
| Target Compounds              |                |      |                    |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127          | 85   | 113197             | 45.88  | ug/L  | 100      |
| 3) Chloromethane              | 1.240          | 50   | 118130             | 45.22  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.311          | 62   | 120466             | 45.75  | ug/L  | 99       |
| 6) Bromomethane               | 1.513          | 94   | 78486              | 49.58  | ug/L  | 97       |
| 8) Chloroethane               | 1.581          | 64   | 78933              | 47.92  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.751          | 101  | 187118             | 49.90  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114          | 101  | 112318             | 51.07  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.118          | 96   | 101709             | 49.13  | ug/L  | 87       |
| 13) Acetone                   | 2.426          | 43   | 119099             | 83.39  | ug/L  | 100      |
| 14) Carbon disulfide          | 2.291          | 76   | 283812             | 45.43  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.426          | 43   | 138550             | 49.81  | ug/L  | 100      |
| 16) Methylene chloride        | 2.503          | 84   | 134157             | 48.37  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 2.757          | 96   | 121124             | 48.39  | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.767          | 73   | 374444             | 47.07  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.188          | 63   | 216175             | 48.49  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 132851             | 47.68  | ug/L  | 99       |
| 22) 2-Butanone                | 3.957          | 43   | 200697             | 99.96  | ug/L  | 98       |
| 23) Bromochloromethane        | 4.246          | 128  | 71954              | 48.49  | ug/L  | 98       |
| 25) Chloroform                | 4.375          | 83   | 232669             | 49.30  | ug/L  | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090121\  
 Data File : VV022056.D  
 Acq On : 01 Sep 2021 09:45  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

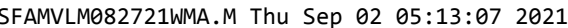
Instrument :  
 MSVOA\_V  
 ClientSampleId :

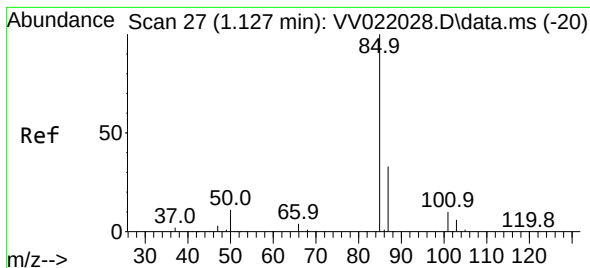
Quant Time: Sep 02 05:10:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 01 02:41:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 156436   | 49.45  | ug/L  | 99       |
| 29) Cyclohexane               | 4.677  | 56   | 177903   | 46.14  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 194078   | 47.35  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.828  | 117  | 167573   | 47.58  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 486968   | 48.53  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 134030   | 47.15  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.134  | 83   | 192495   | 46.32  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 125841   | 48.38  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.510  | 83   | 159265   | 47.88  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 192178   | 47.85  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 356754   | 101.17 | ug/L  | 100      |
| 42) Toluene                   | 7.388  | 91   | 530718   | 49.00  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 183942   | 49.21  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 129184   | 48.81  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 105786   | 47.86  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 274528   | 100.33 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 137721   | 48.61  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 139788   | 49.21  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.883  | 112  | 350664   | 48.16  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.014  | 91   | 568255   | 48.47  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 220110   | 48.30  | ug/L  | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 216028   | 47.91  | ug/L  | 97       |
| 55) Styrene                   | 9.561  | 104  | 383211   | 49.80  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 197428   | 51.48  | ug/L  | 99       |
| 59) Bromoform                 | 9.735  | 173  | 93419    | 45.99  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.934  | 105  | 573974   | 47.77  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 162560   | 49.05  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 482473   | 47.82  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 495183   | 48.29  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 290419   | 47.60  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 295404   | 47.32  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.645 | 146  | 292370   | 48.26  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 39133    | 48.99  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 215052   | 47.14  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 185874   | 46.32  | ug/L  | 100      |
| 71) Naphthalene               | 13.503 | 128  | 543930   | 47.12  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 185729   | 47.45  | ug/L  | 100      |

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

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Quant Title : VOC Analysis  
QLast Update : Wed Sep 01 02:41:24 2021  
Response via : Initial Calibration

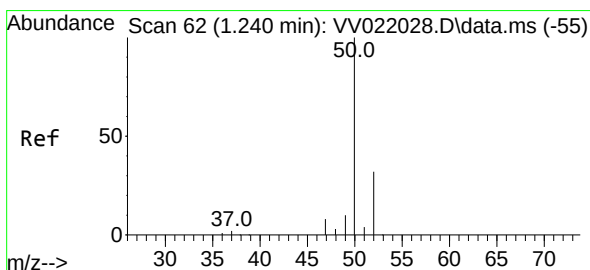
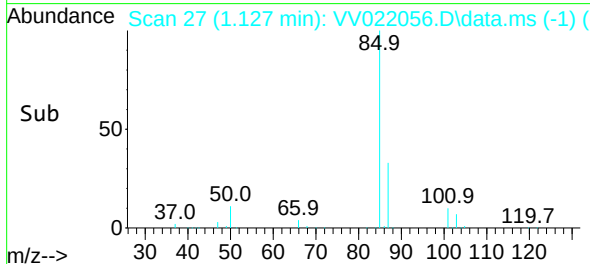
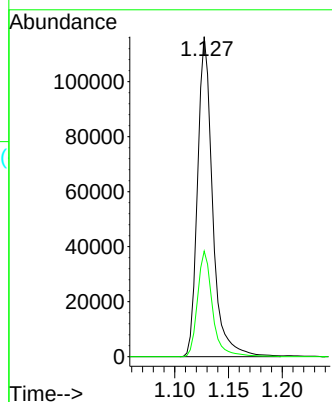
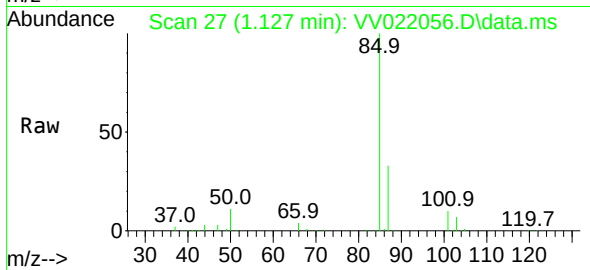




#2  
Dichlorodifluoromethane  
Concen: 45.88 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

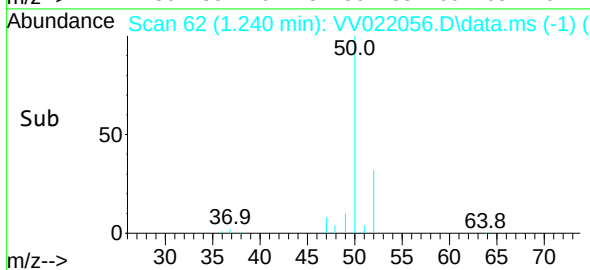
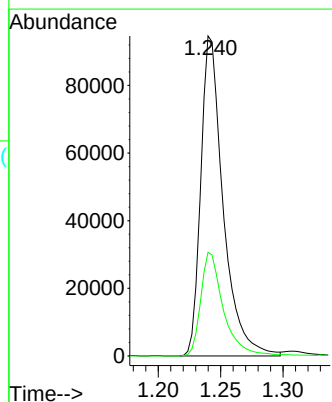
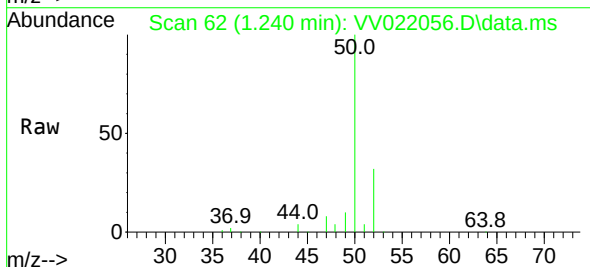
Instrument :  
MSVOA\_V  
ClientSampled :

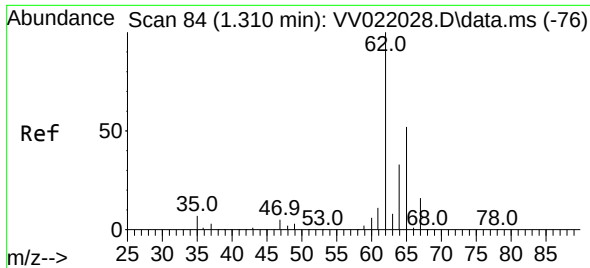
Tgt Ion: 85 Resp: 113197  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.0 39.0



#3  
Chloromethane  
Concen: 45.22 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 50 Resp: 118130  
Ion Ratio Lower Upper  
50 100  
52 32.4 22.5 41.9

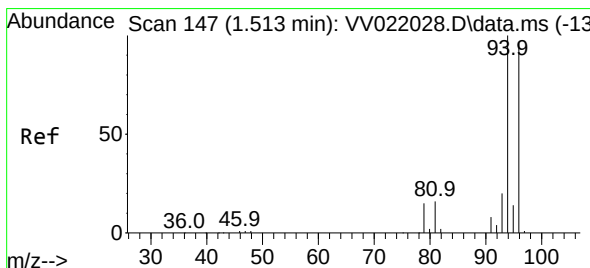
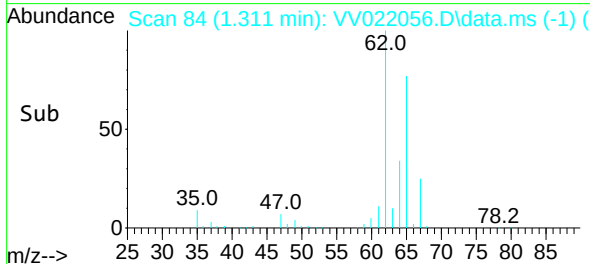
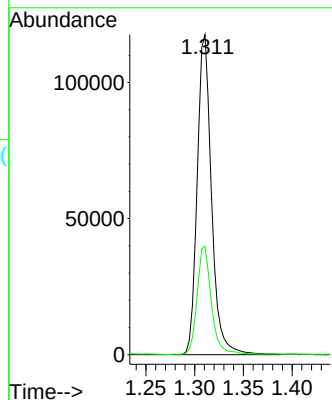
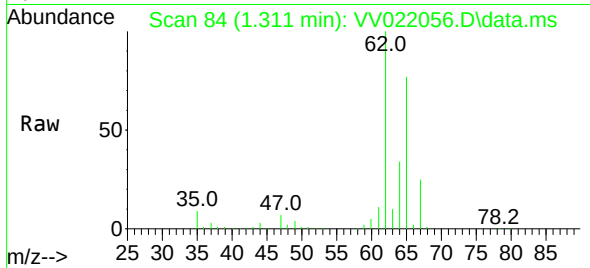




#5  
 Vinyl chloride  
 Concen: 45.75 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV022056.D  
 Acq: 01 Sep 2021 09:45

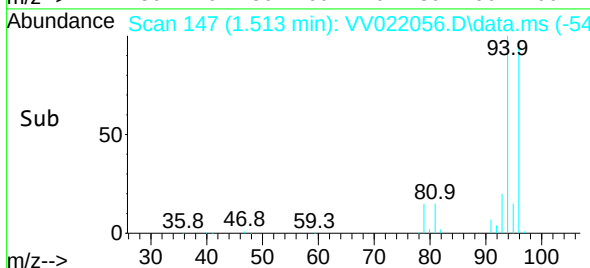
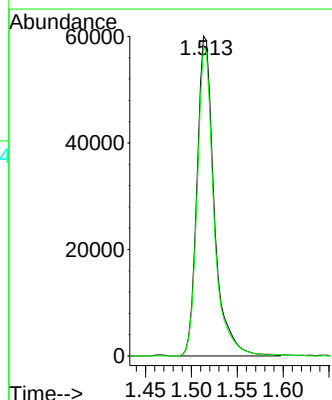
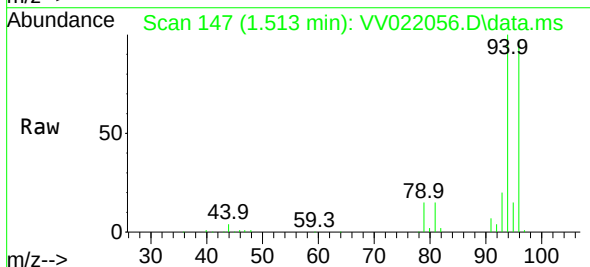
Instrument :  
 MSVOA\_V  
 ClientSampled :

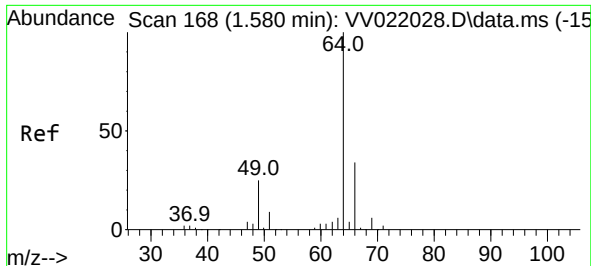
Tgt Ion: 62 Resp: 120466  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 23.4 43.6



#6  
 Bromomethane  
 Concen: 49.58 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. 0.000 min  
 Lab File: VV022056.D  
 Acq: 01 Sep 2021 09:45

Tgt Ion: 94 Resp: 78486  
 Ion Ratio Lower Upper  
 94 100  
 96 96.5 65.8 122.2

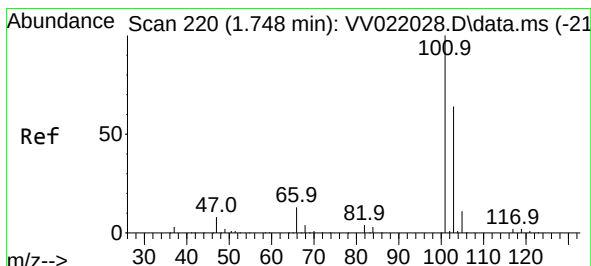
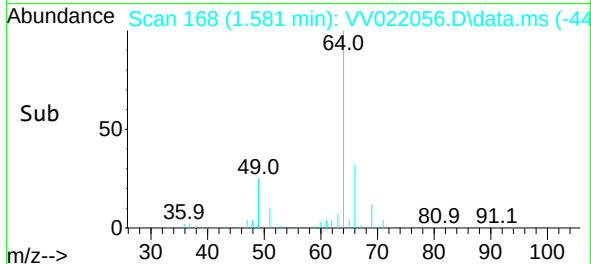
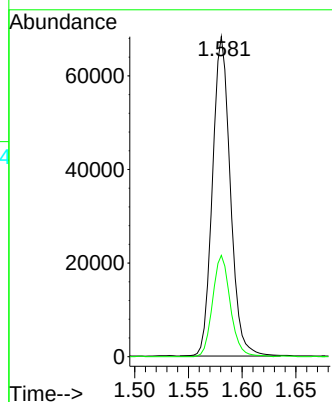
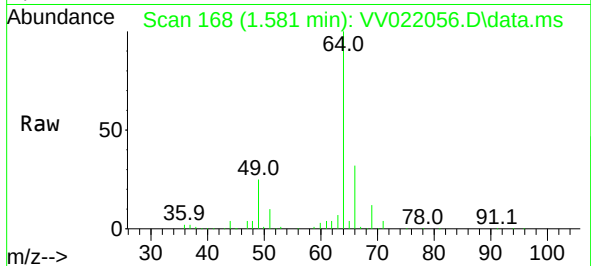




#8  
Chloroethane  
Concen: 47.92 ug/L  
RT: 1.581 min Scan# 168  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

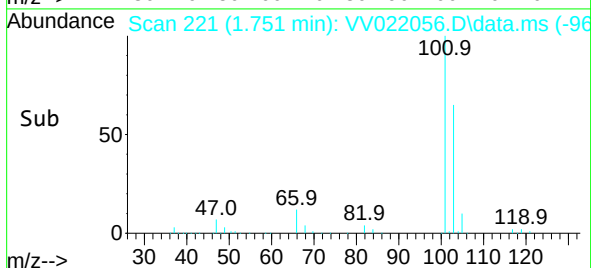
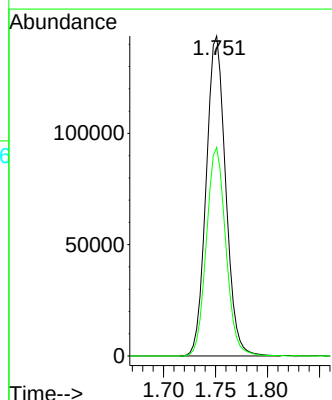
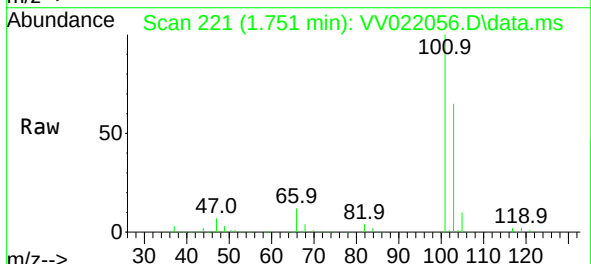
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MSVOA\_V  
ClientSampled :

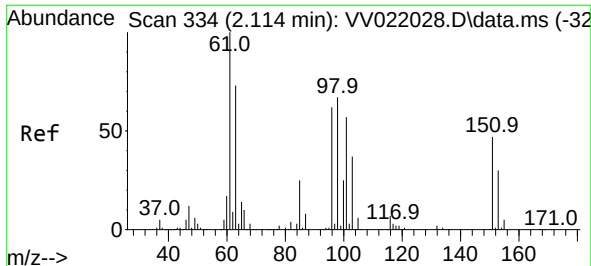
Tgt Ion: 64 Resp: 78933  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 49.90 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion:101 Resp: 187118  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.4 77.0

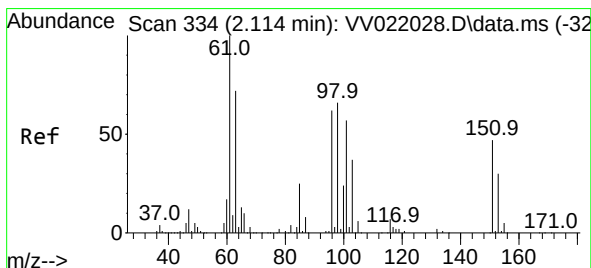
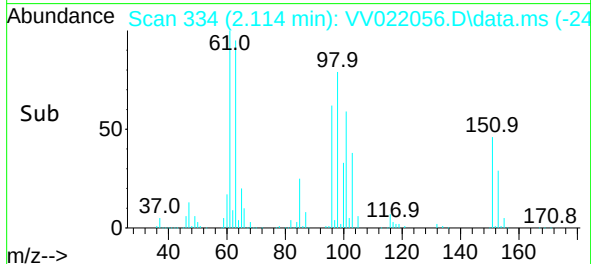
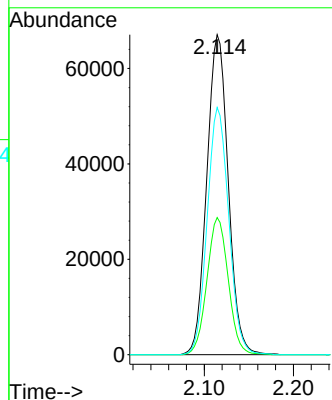
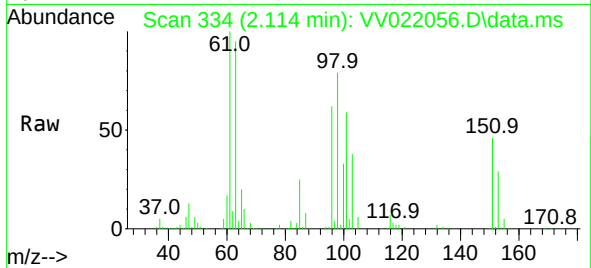




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 51.07 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

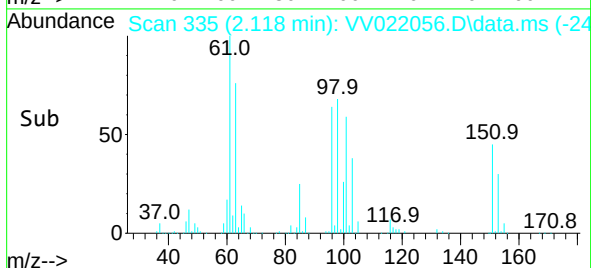
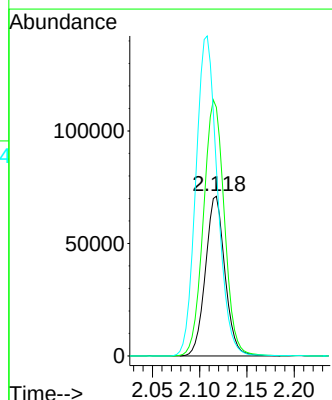
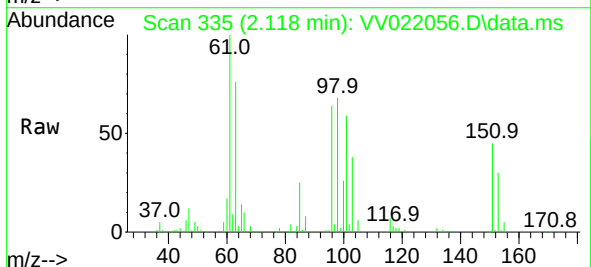
Instrument :  
MSVOA\_V  
ClientSampleId :

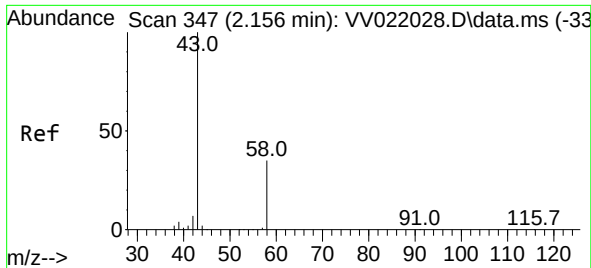
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Ion Ratio Lower Upper  
101 100  
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151 77.7 61.7 92.5



#12  
1,1-Dichloroethene  
Concen: 49.13 ug/L  
RT: 2.118 min Scan# 335  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 96 Resp: 101709  
Ion Ratio Lower Upper  
96 100  
61 155.7 113.2 210.2  
63 117.8 102.3 189.9

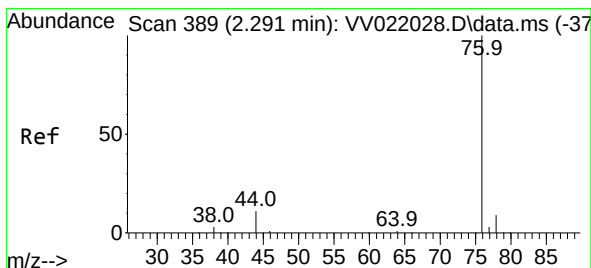
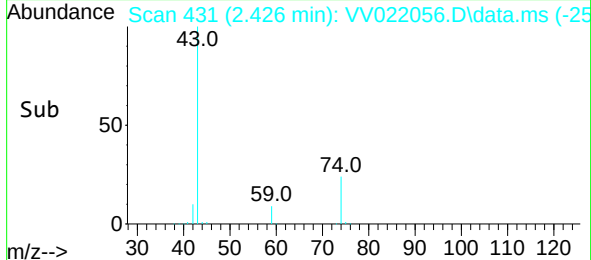
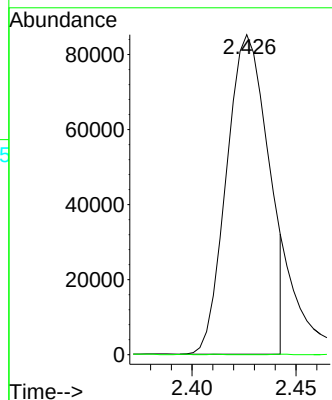
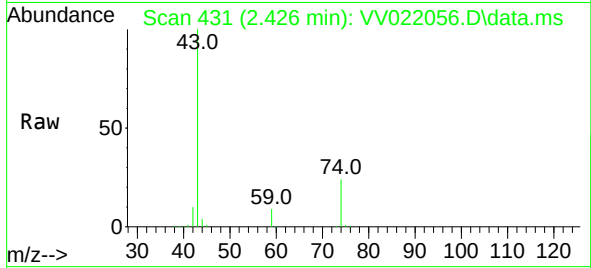




#13  
Acetone  
Concen: 83.39 ug/L  
RT: 2.426 min Scan# 431  
Delta R.T. 0.270 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

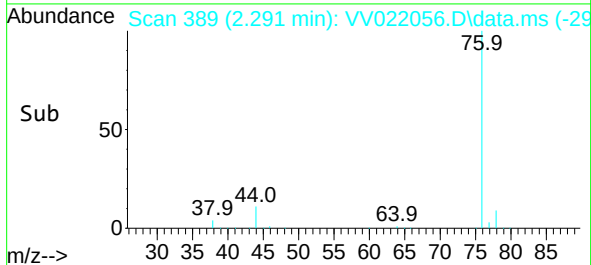
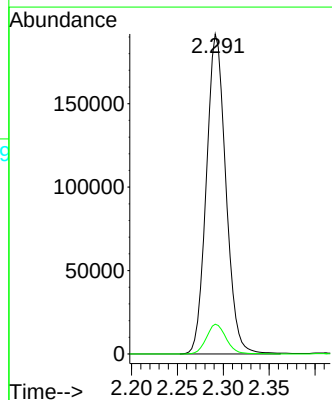
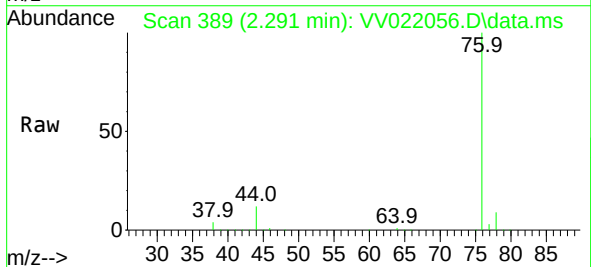
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 43 Resp: 119099  
Ion Ratio Lower Upper  
43 100  
58 0.0 0.0 0.4

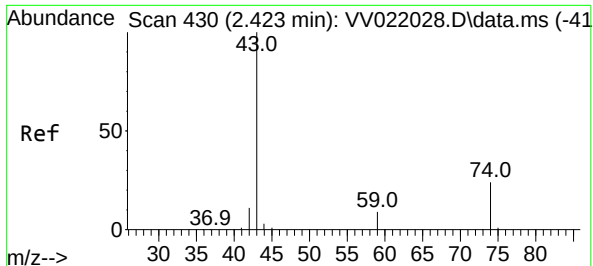


#14  
Carbon disulfide  
Concen: 45.43 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 76 Resp: 283812  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2



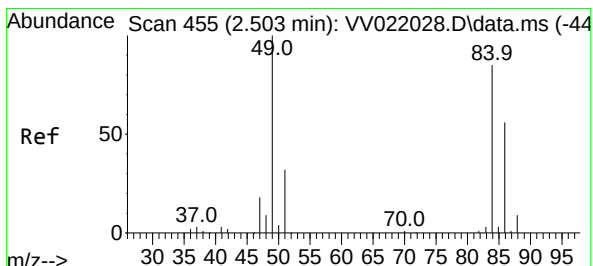
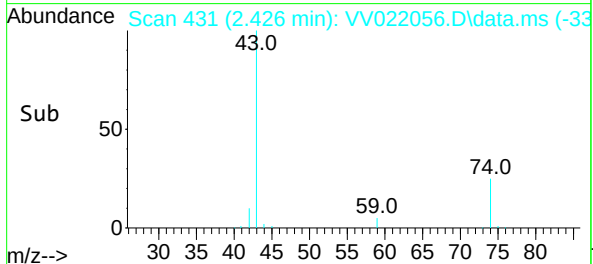
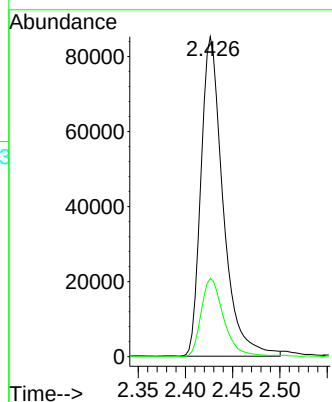
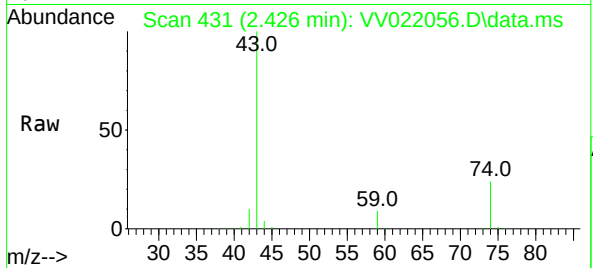




#15  
Methyl Acetate  
Concen: 49.81 ug/L  
RT: 2.426 min Scan# 431  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

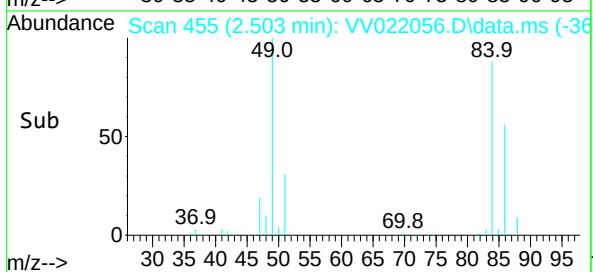
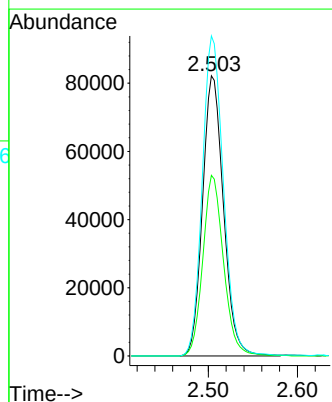
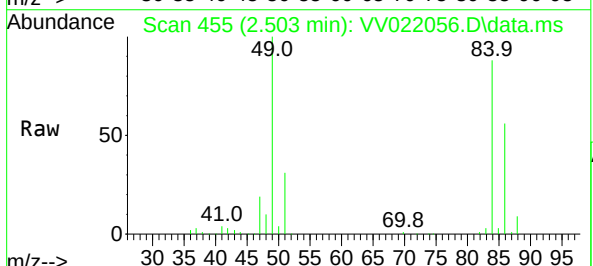
Instrument :  
MSVOA\_V  
ClientSampled :

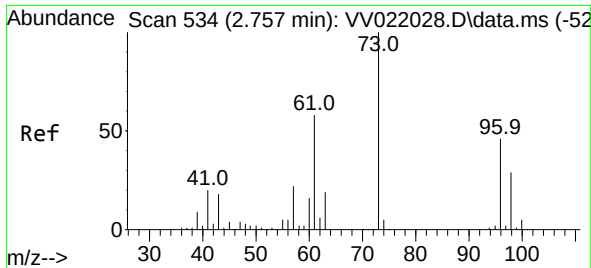
Tgt Ion: 43 Resp: 138550  
Ion Ratio Lower Upper  
43 100  
74 25.0 20.2 30.2



#16  
Methylene chloride  
Concen: 48.37 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 84 Resp: 134157  
Ion Ratio Lower Upper  
84 100  
86 64.5 44.8 83.2  
49 114.2 80.2 149.0

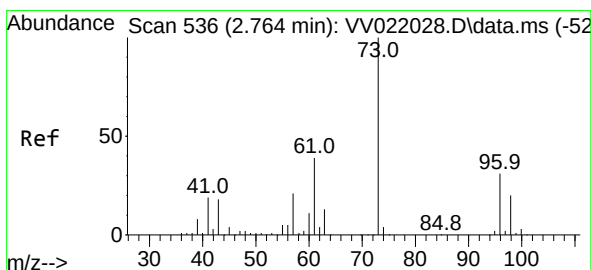
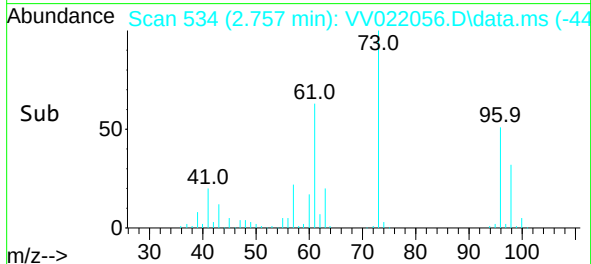
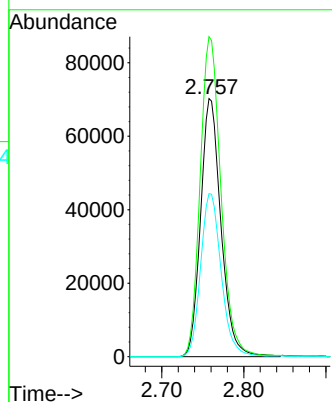
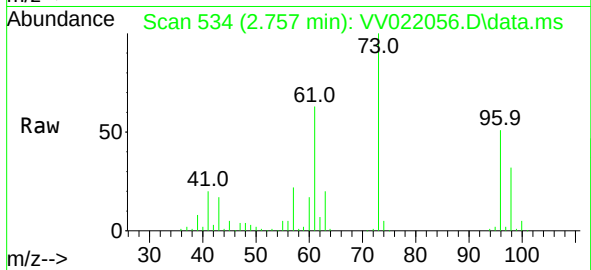




#17  
trans-1,2-Dichloroethene  
Concen: 48.39 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

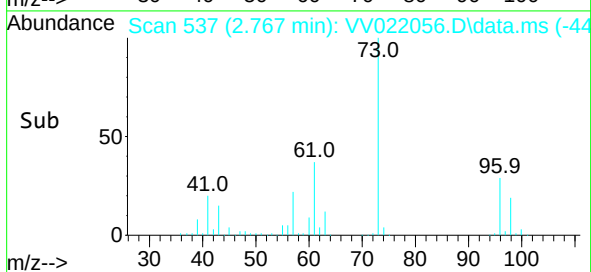
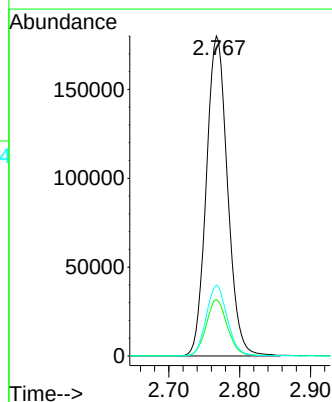
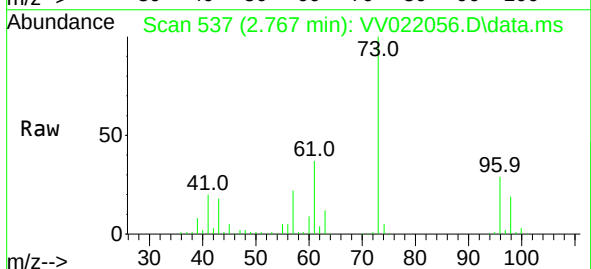
Instrument :  
MSVOA\_V  
ClientSampleId :

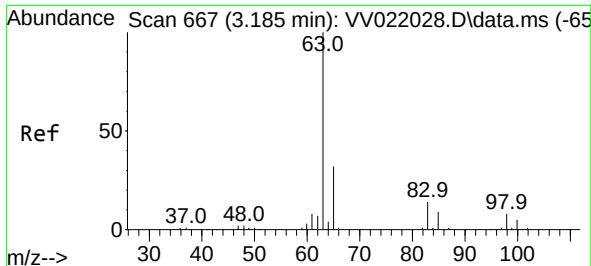
Tgt Ion: 96 Resp: 121124  
Ion Ratio Lower Upper  
96 100  
61 124.0 89.1 165.5  
98 63.2 43.8 81.3



#18  
Methyl tert-butyl Ether  
Concen: 47.07 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 73 Resp: 374444  
Ion Ratio Lower Upper  
73 100  
43 17.3 13.8 20.6  
57 21.9 17.1 25.7





#19

1,1-Dichloroethane

Concen: 48.49 ug/L

RT: 3.188 min Scan# 668

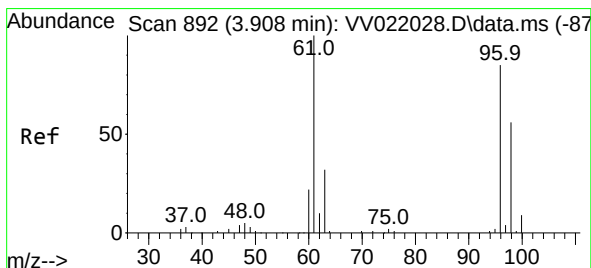
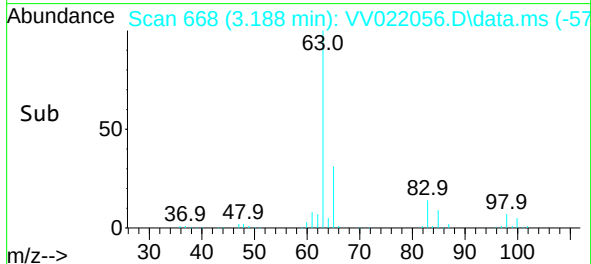
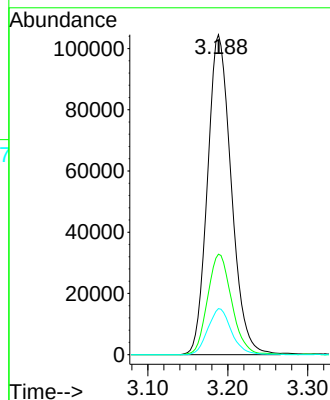
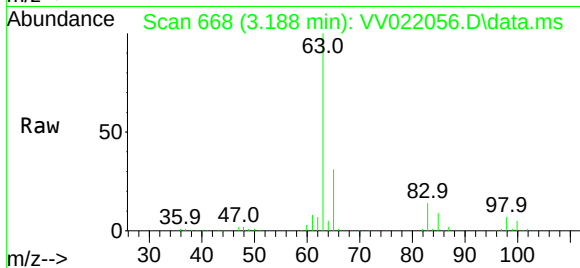
Delta R.T. 0.003 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

Tgt Ion: 63 Resp: 216175

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.4  | 22.2  | 41.2  |
| 83  | 14.4  | 9.7   | 17.9  |



#20

cis-1,2-Dichloroethene

Concen: 47.68 ug/L

RT: 3.912 min Scan# 893

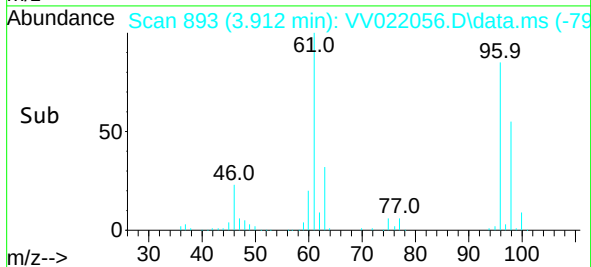
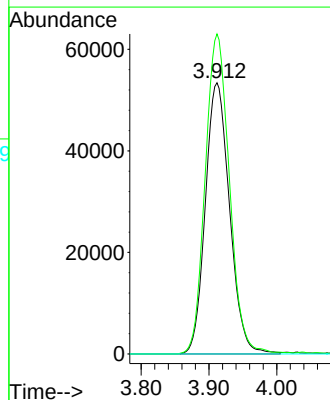
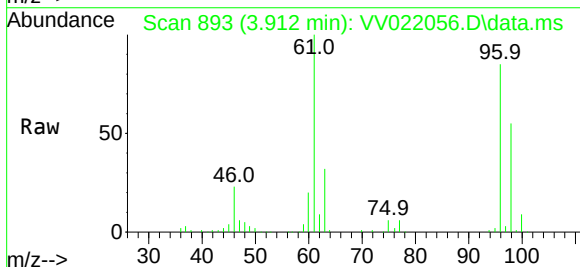
Delta R.T. 0.003 min

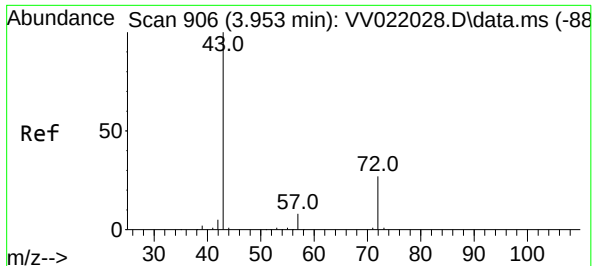
Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

Tgt Ion: 96 Resp: 132851

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 118.0 | 81.8  | 152.0 |
| 68  | 0.0   | 0.0   | 0.0   |





#22

2-Butanone

Concen: 99.96 ug/L

RT: 3.957 min Scan# 907

Delta R.T. 0.003 min

Lab File: VV022056.D

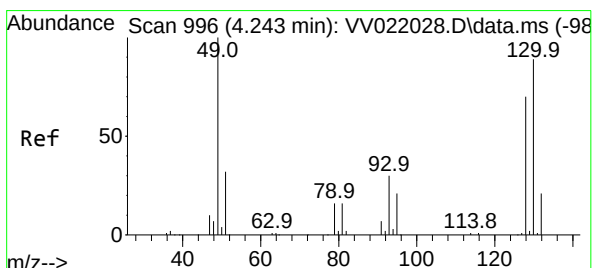
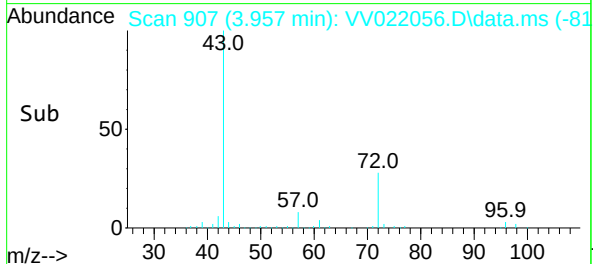
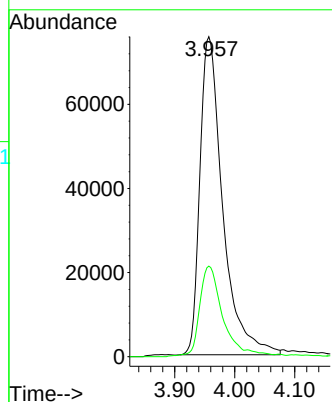
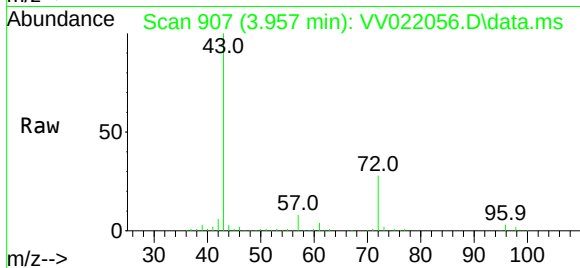
Acq: 01 Sep 2021 09:45

Tgt Ion: 43 Resp: 200697

Ion Ratio Lower Upper

43 100

72 27.5 13.3 39.8



#23

Bromochloromethane

Concen: 48.49 ug/L

RT: 4.246 min Scan# 997

Delta R.T. 0.003 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

Tgt Ion: 128 Resp: 71954

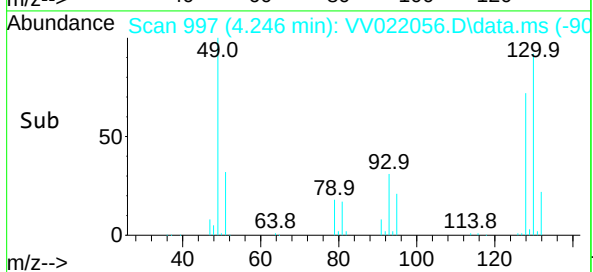
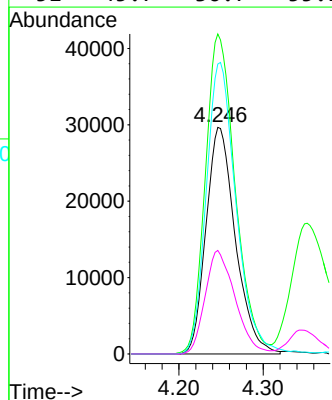
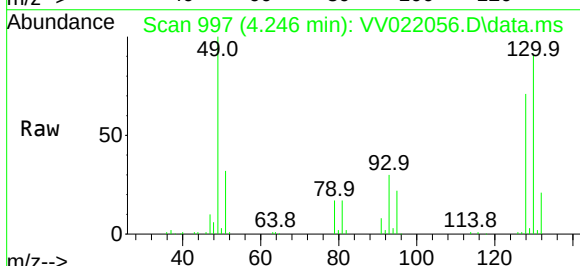
Ion Ratio Lower Upper

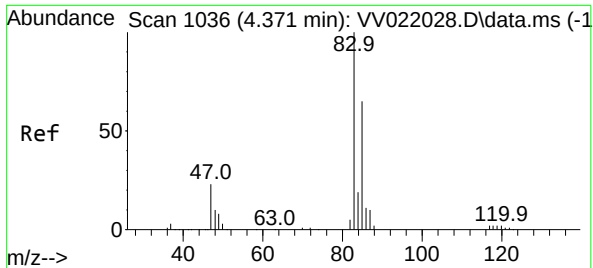
128 100

49 141.2 101.6 188.8

130 128.0 88.5 164.3

51 45.7 36.7 55.1



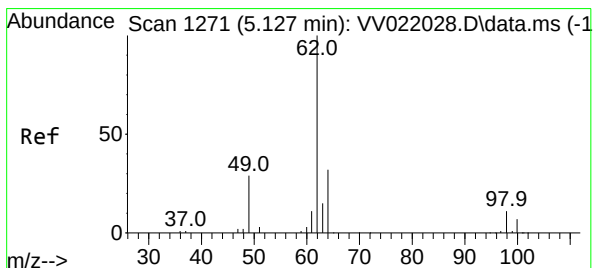
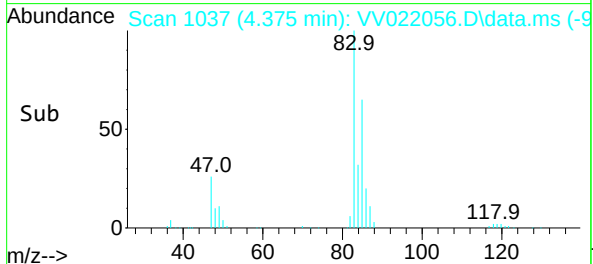
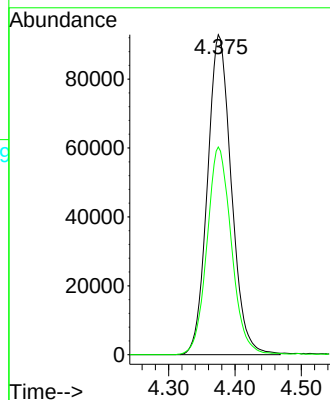
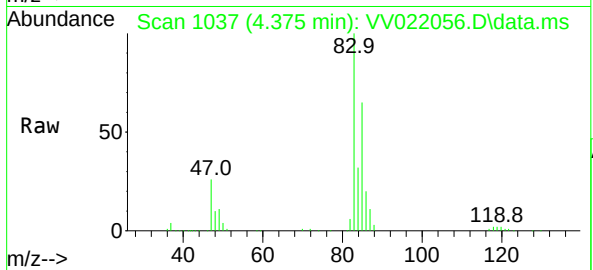


#25

Chloroform  
Concen: 49.30 ug/L  
RT: 4.375 min Scan# 1037  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Instrument :  
MSVOA\_V  
ClientSampled :

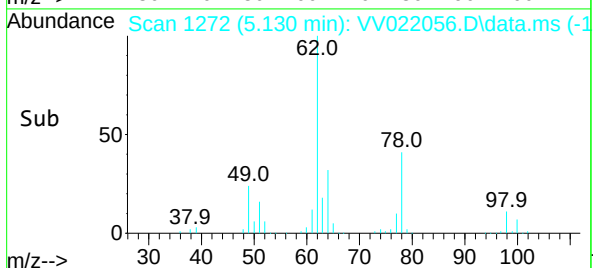
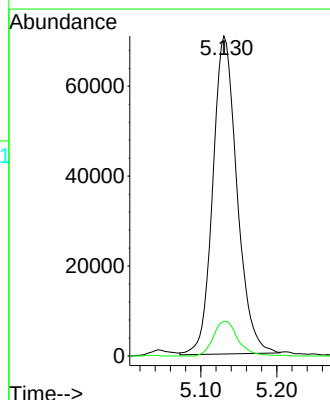
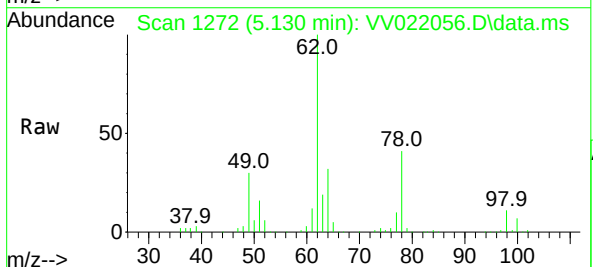
Tgt Ion: 83 Resp: 232669  
Ion Ratio Lower Upper  
83 100  
85 64.9 46.3 85.9

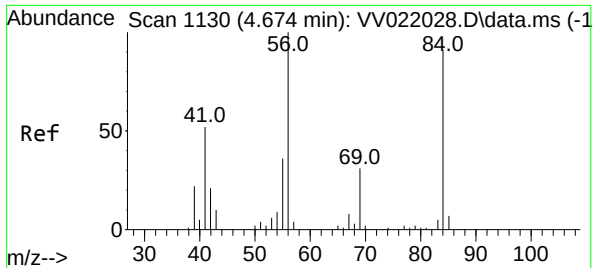


#27

1,2-Dichloroethane  
Concen: 49.45 ug/L  
RT: 5.130 min Scan# 1272  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 62 Resp: 156436  
Ion Ratio Lower Upper  
62 100  
98 10.8 8.5 12.7





#29

Cyclohexane

Concen: 46.14 ug/L

RT: 4.677 min Scan# 1131

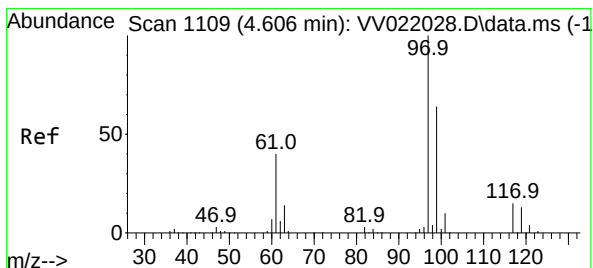
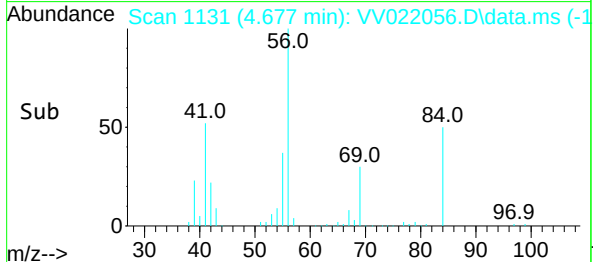
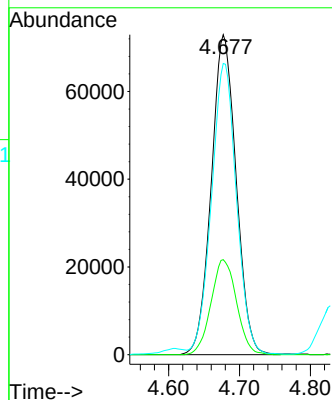
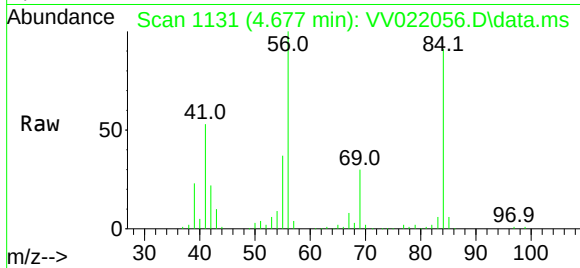
Delta R.T. 0.003 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

Tgt Ion: 56 Resp: 177903

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 30.5  | 25.2  | 37.8  |
| 84  | 90.6  | 74.6  | 111.8 |



#30

1,1,1-Trichloroethane

Concen: 47.35 ug/L

RT: 4.609 min Scan# 1110

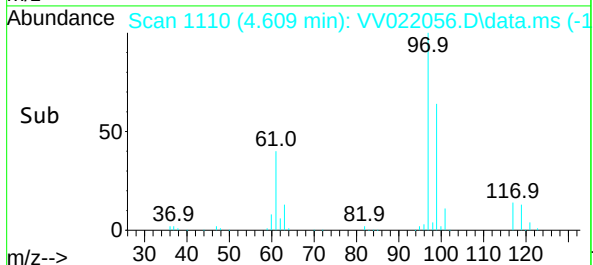
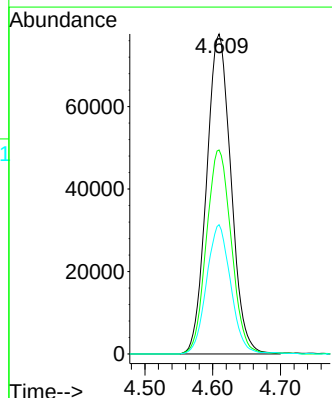
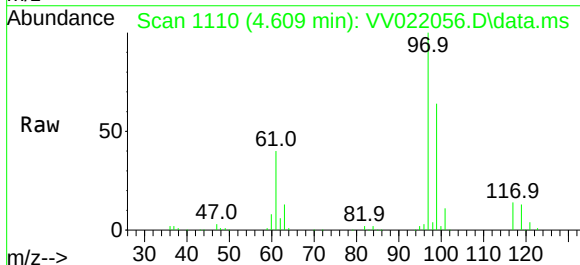
Delta R.T. 0.003 min

Lab File: VV022056.D

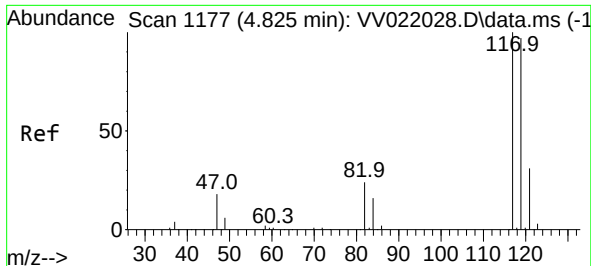
Acq: 01 Sep 2021 09:45

Tgt Ion: 97 Resp: 194078

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.1  | 52.0  | 78.0  |
| 61  | 39.9  | 31.8  | 47.8  |



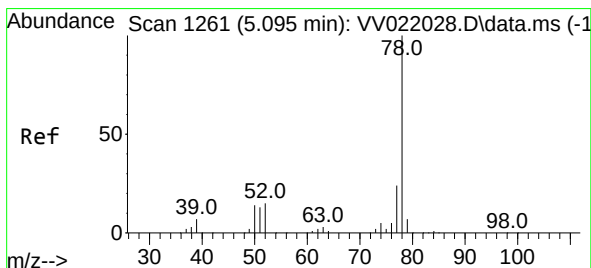
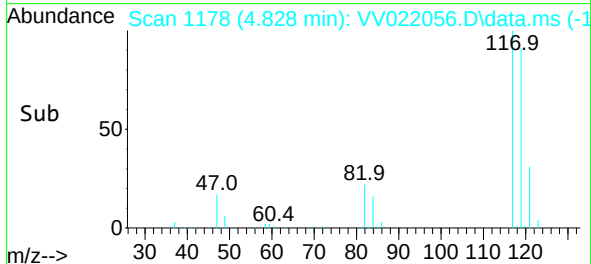
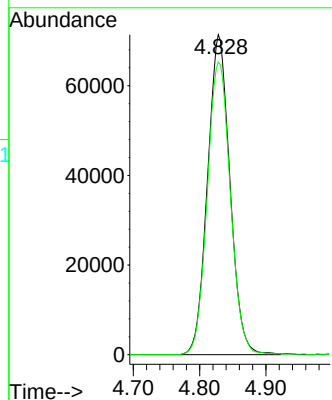
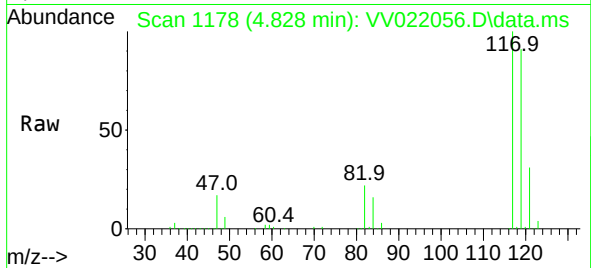
Instrument :  
MSVOA\_V  
ClientSampleId :



#31  
Carbon tetrachloride  
Concen: 47.58 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

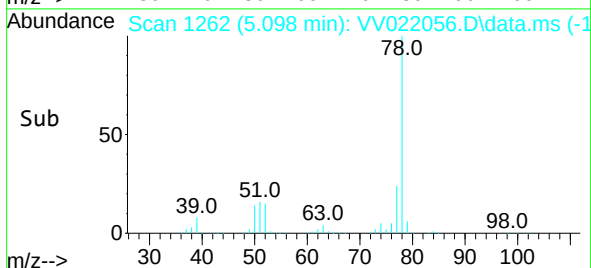
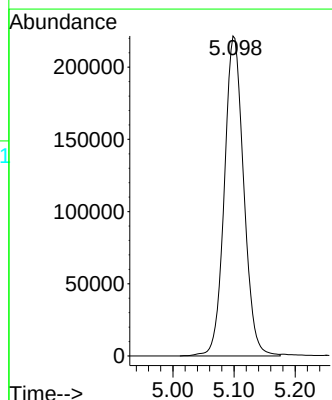
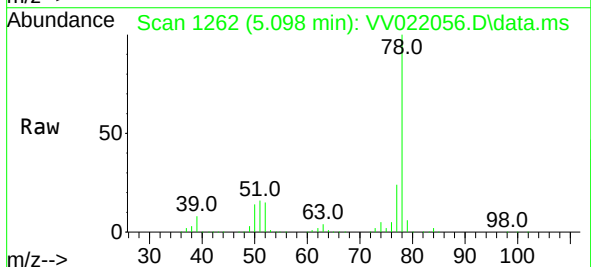
Instrument :  
MSVOA\_V  
ClientSampled :

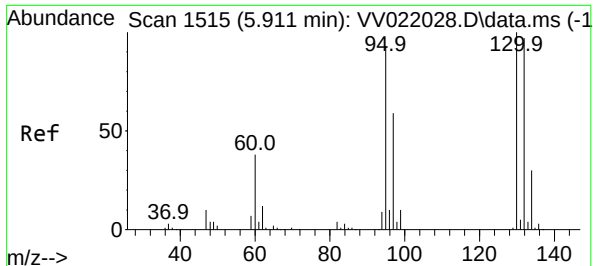
Tgt Ion:117 Resp: 167573  
Ion Ratio Lower Upper  
117 100  
119 94.5 76.6 114.8



#33  
Benzene  
Concen: 48.53 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 78 Resp: 486968





#34

Trichloroethene

Concen: 47.15 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

Tgt Ion: 95 Resp: 134030

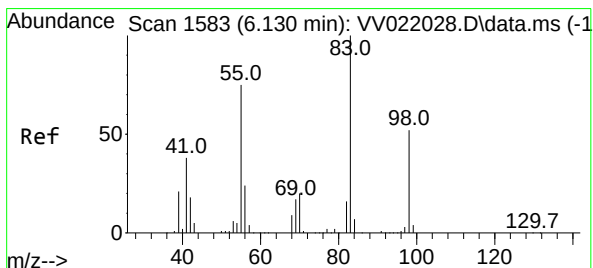
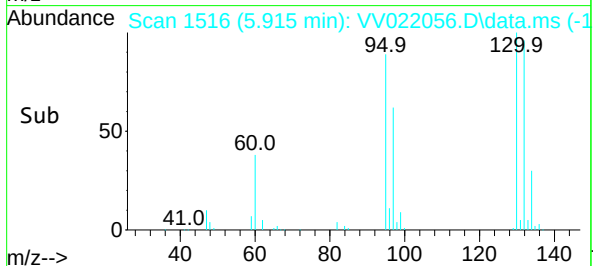
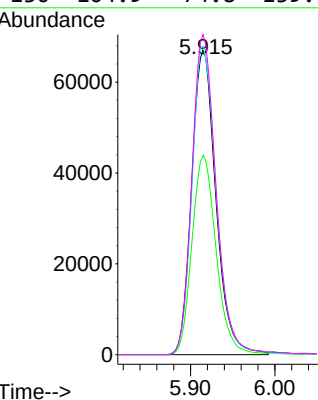
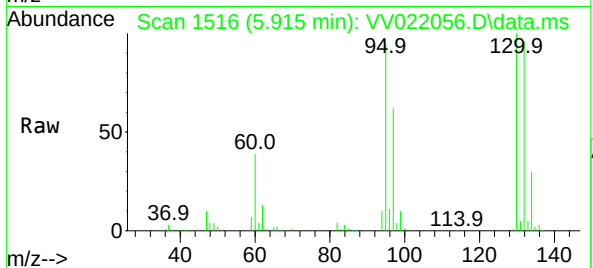
Ion Ratio Lower Upper

95 100

97 65.4 44.1 81.9

132 101.2 70.7 131.3

130 104.9 74.8 139.0



#35

Methylcyclohexane

Concen: 46.32 ug/L

RT: 6.134 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

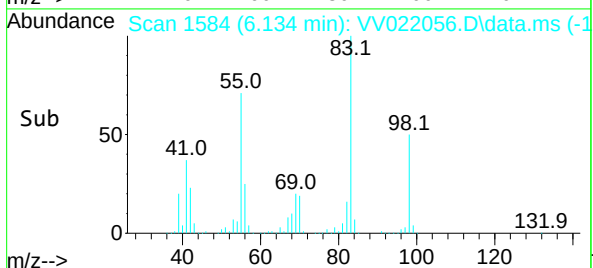
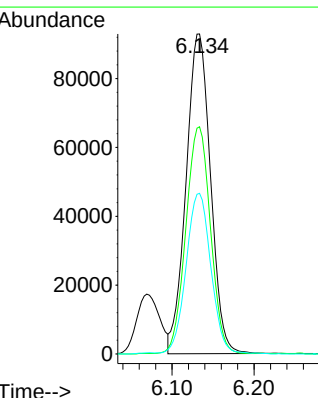
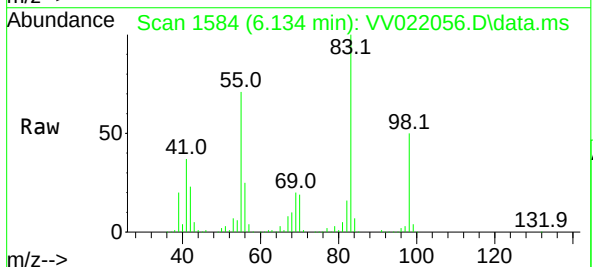
Tgt Ion: 83 Resp: 192495

Ion Ratio Lower Upper

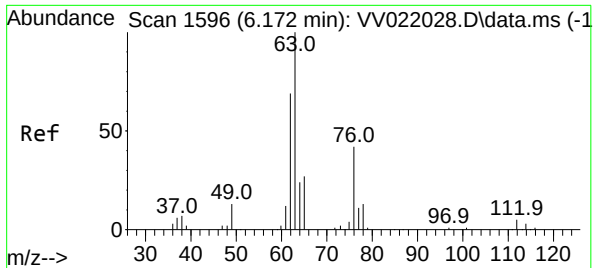
83 100

55 71.3 56.8 85.2

98 50.9 39.9 59.9



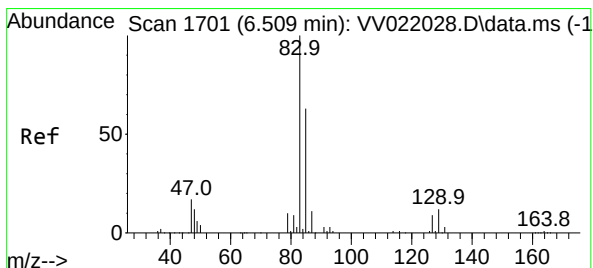
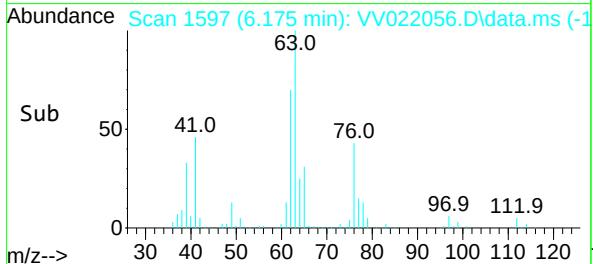
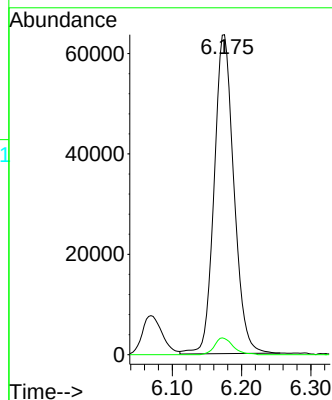
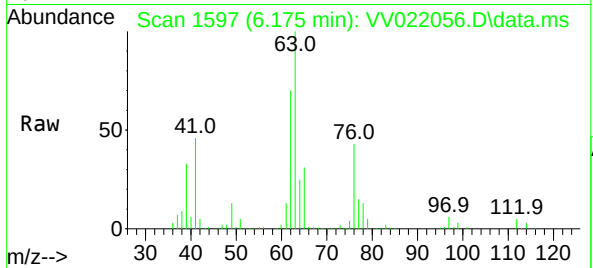




#37  
1,2-Dichloropropane  
Concen: 48.38 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

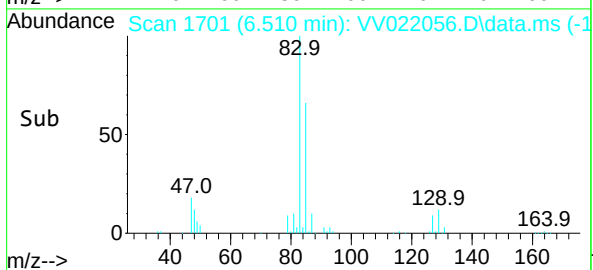
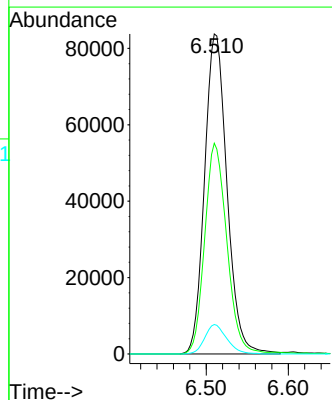
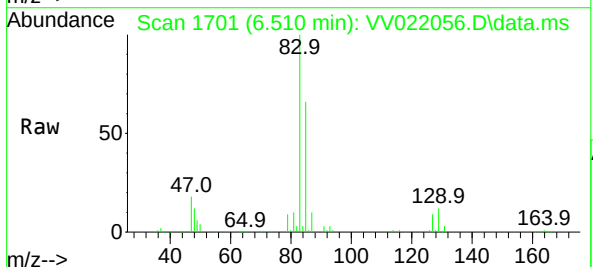
Instrument :  
MSVOA\_V  
ClientSampled :

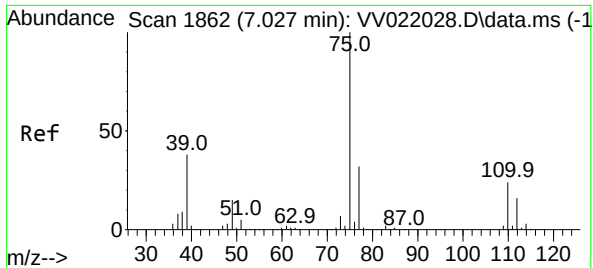
Tgt Ion: 63 Resp: 125841  
Ion Ratio Lower Upper  
63 100  
112 5.0 3.8 5.6



#38  
Bromodichloromethane  
Concen: 47.88 ug/L  
RT: 6.510 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 83 Resp: 159265  
Ion Ratio Lower Upper  
83 100  
85 65.9 44.8 83.2  
127 9.2 7.3 10.9

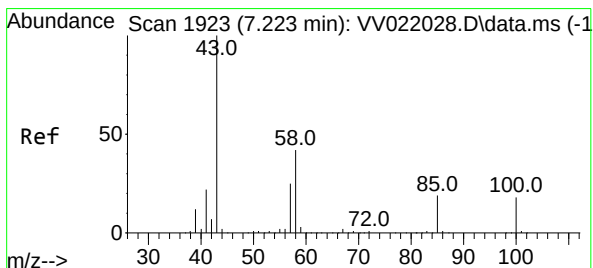
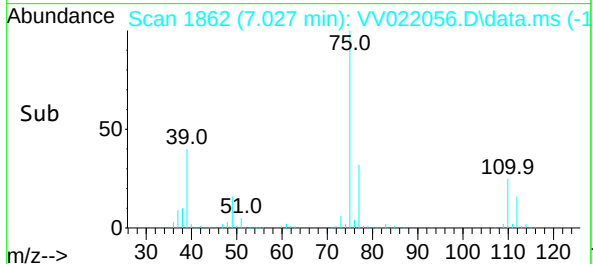
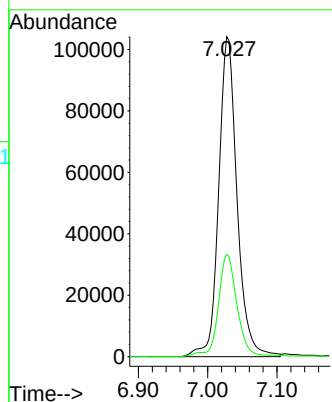
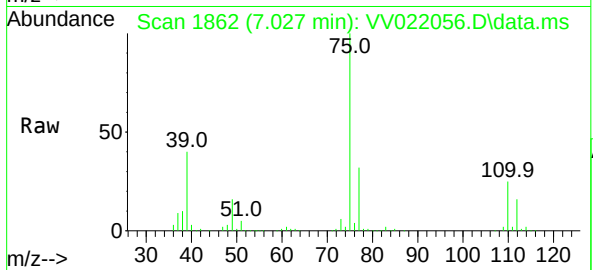




#39  
 cis-1,3-Dichloropropene  
 Concen: 47.85 ug/L  
 RT: 7.027 min Scan# 1862  
 Delta R.T. 0.000 min  
 Lab File: VV022056.D  
 Acq: 01 Sep 2021 09:45

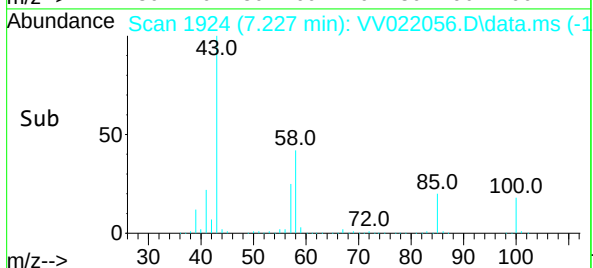
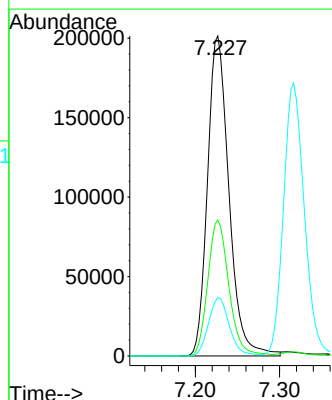
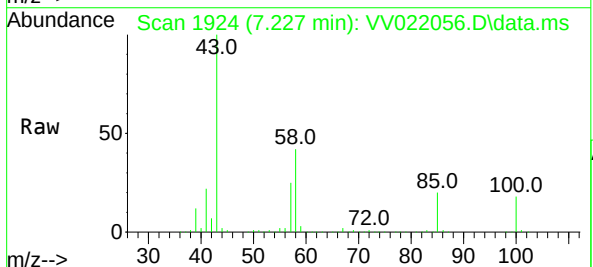
Instrument :  
 MSVOA\_V  
 ClientSampled :

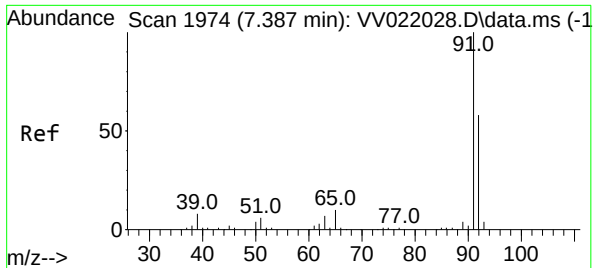
Tgt Ion: 75 Resp: 192178  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 22.7 42.1



#40  
 4-Methyl-2-pentanone  
 Concen: 101.17 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. 0.003 min  
 Lab File: VV022056.D  
 Acq: 01 Sep 2021 09:45

Tgt Ion: 43 Resp: 356754  
 Ion Ratio Lower Upper  
 43 100  
 58 41.8 33.3 49.9  
 100 17.8 14.5 21.7

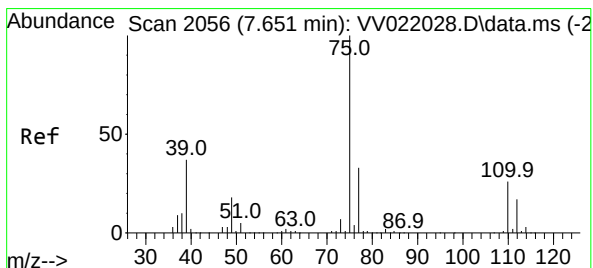
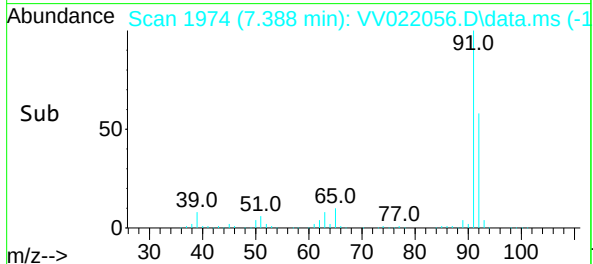
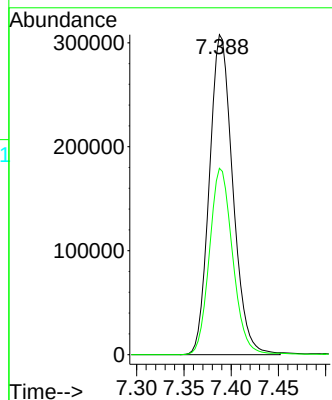
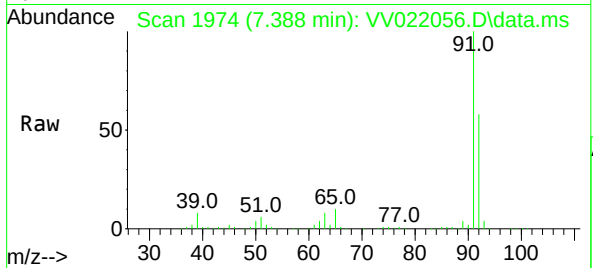




#42  
Toluene  
Concen: 49.00 ug/L  
RT: 7.388 min Scan# 1974  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

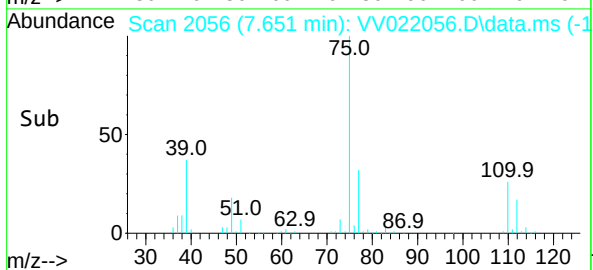
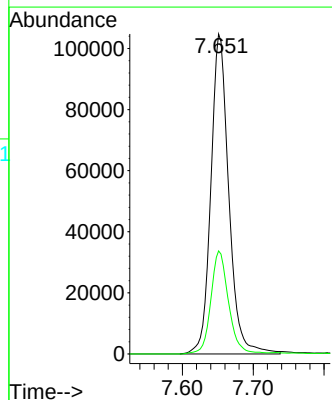
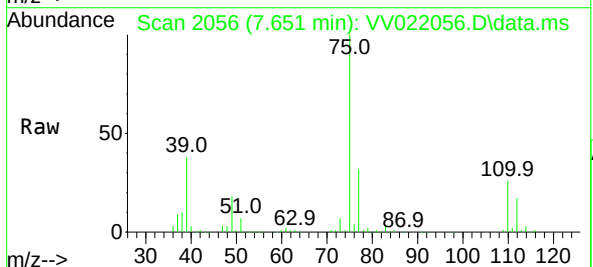
Instrument :  
MSVOA\_V  
ClientSampled :

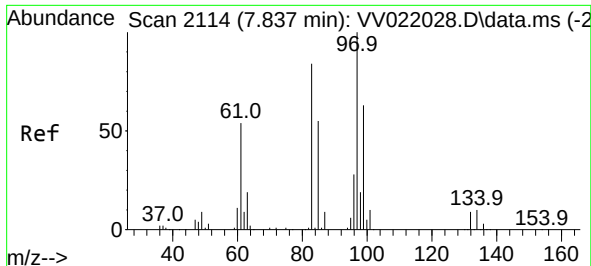
Tgt Ion: 91 Resp: 530718  
Ion Ratio Lower Upper  
91 100  
92 58.3 40.3 74.8



#44  
trans-1,3-Dichloropropene  
Concen: 49.21 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 75 Resp: 183942  
Ion Ratio Lower Upper  
75 100  
77 32.2 21.8 40.6

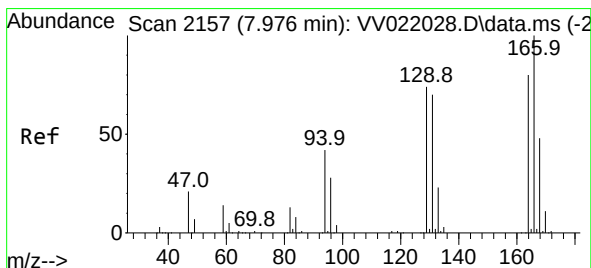
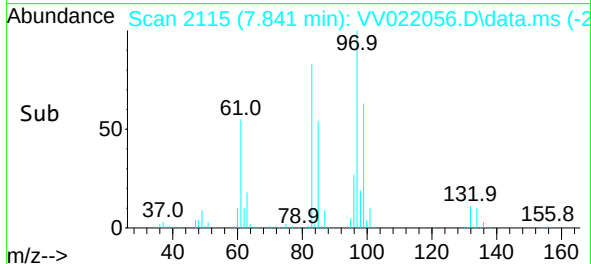
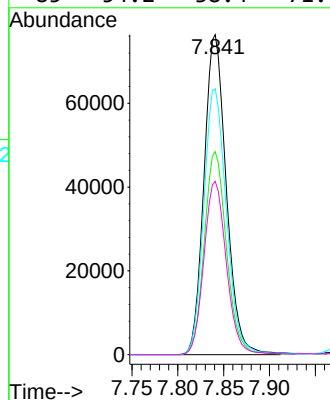
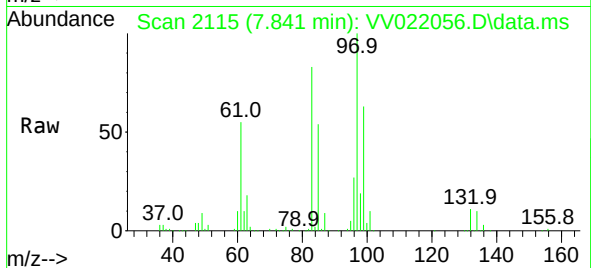




#45  
1,1,2-Trichloroethane  
Concen: 48.81 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

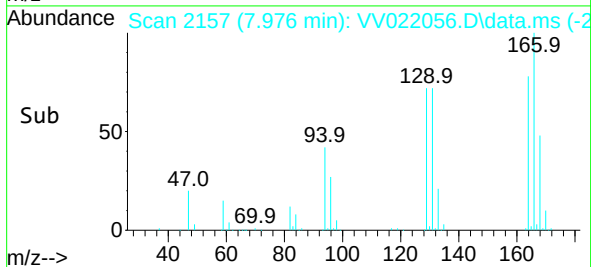
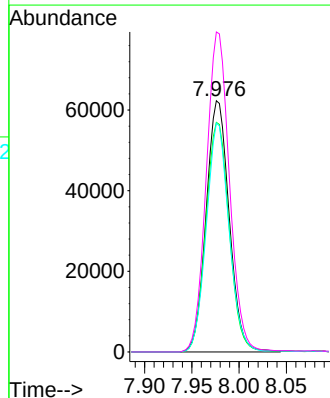
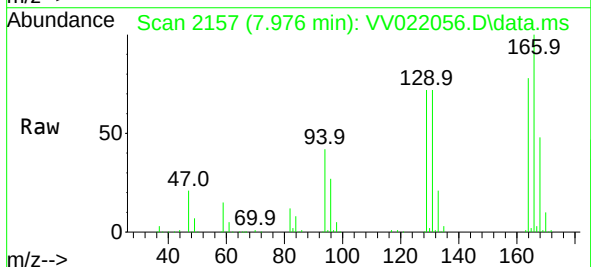
Instrument :  
MSVOA\_V  
ClientSampled :

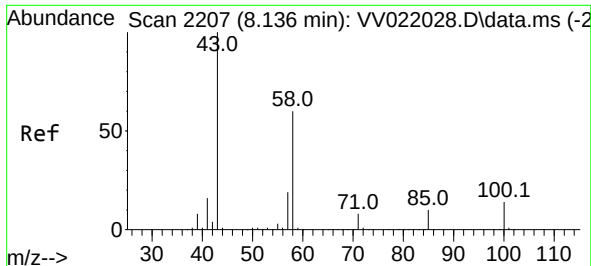
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 129184 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.5  | 43.8  | 81.4   |
| 83       | 83.1  | 58.8  | 109.2  |
| 85       | 54.2  | 38.4  | 71.4   |



#46  
Tetrachloroethene  
Concen: 47.86 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

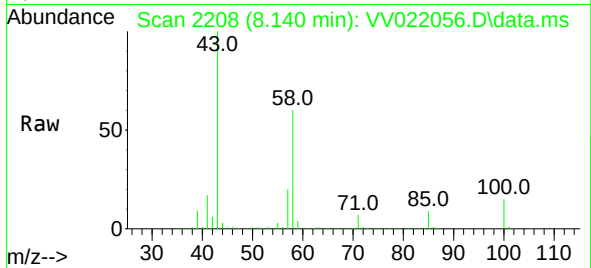
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 105786 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 91.4  | 62.9  | 116.9  |
| 131      | 91.1  | 61.0  | 113.4  |
| 166      | 127.4 | 90.6  | 168.3  |



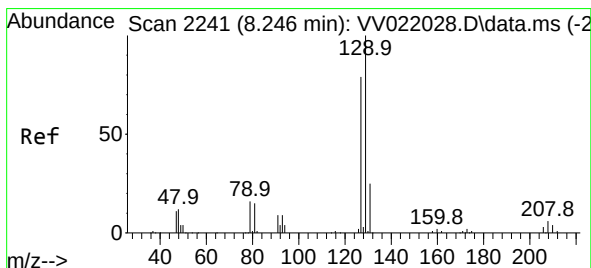
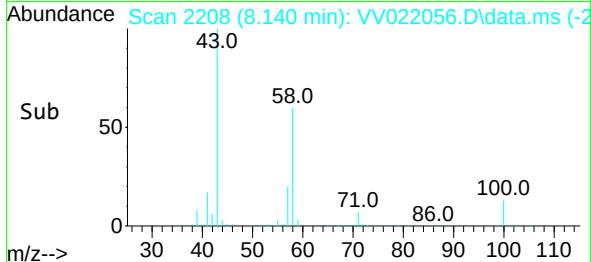
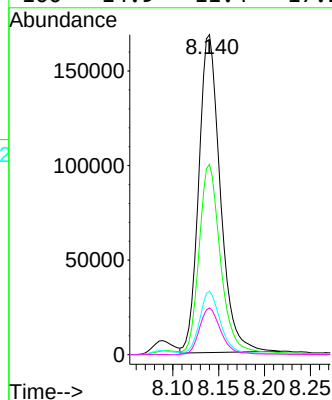


#48  
2-Hexanone  
Concen: 100.33 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Instrument :  
MSVOA\_V  
ClientSampled :

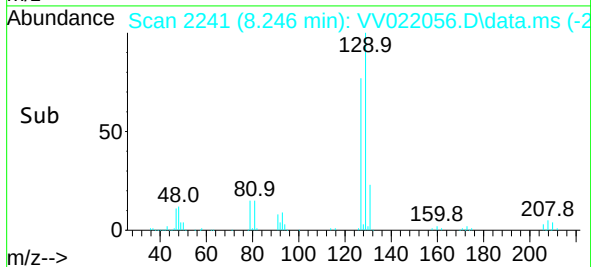
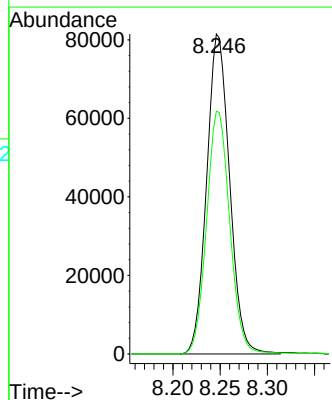
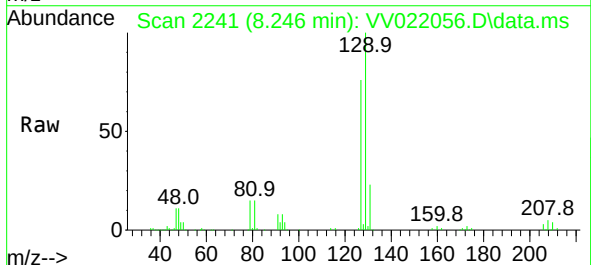


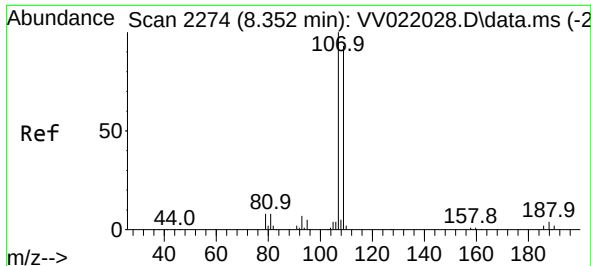
| Tgt Ion: | 43  | 58   | 57   | 100  |
|----------|-----|------|------|------|
| Ratio    | 100 | 59.2 | 19.2 | 14.9 |
| Lower    |     | 47.5 | 15.9 | 11.4 |
| Upper    |     | 71.3 | 23.9 | 17.2 |



#49  
Dibromochloromethane  
Concen: 48.61 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

| Tgt Ion: | 129 | 127   |
|----------|-----|-------|
| Ratio    | 100 | 75.9  |
| Lower    |     | 54.1  |
| Upper    |     | 100.5 |





#50

1,2-Dibromoethane

Concen: 49.21 ug/L

RT: 8.355 min Scan# 2275

Delta R.T. 0.003 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

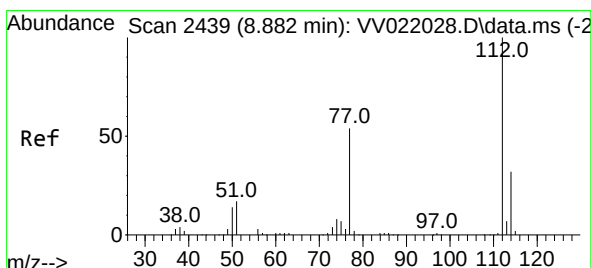
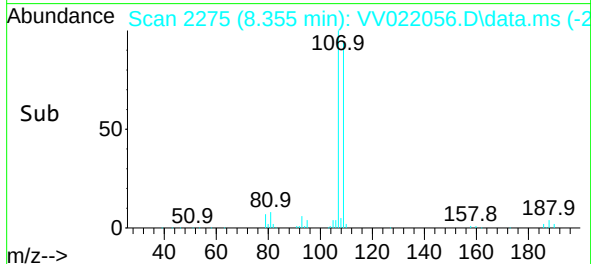
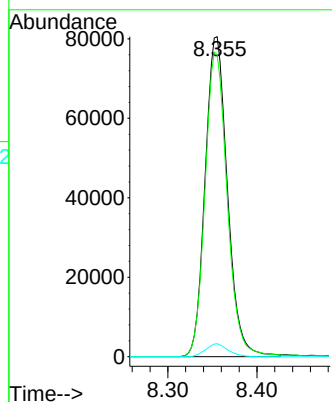
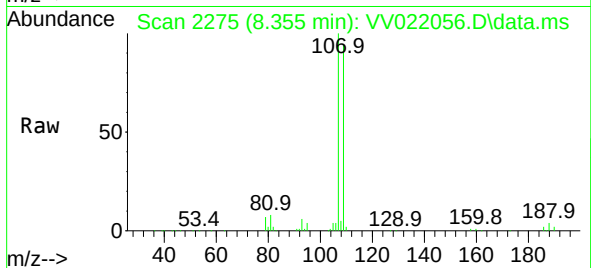
Tgt Ion:107 Resp: 139788

Ion Ratio Lower Upper

107 100

109 94.4 65.5 121.6

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 48.16 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.000 min

Lab File: VV022056.D

Acq: 01 Sep 2021 09:45

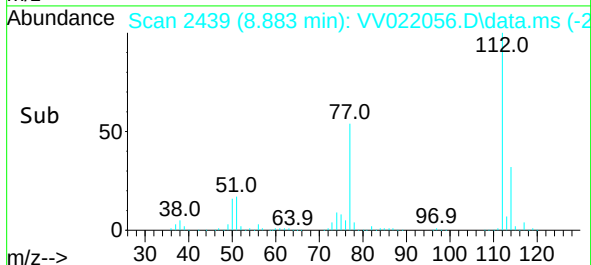
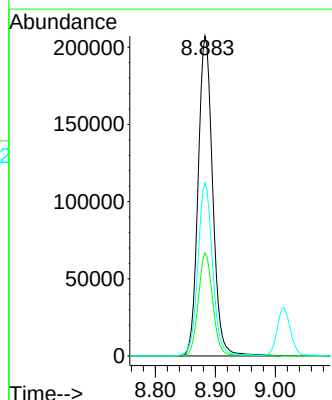
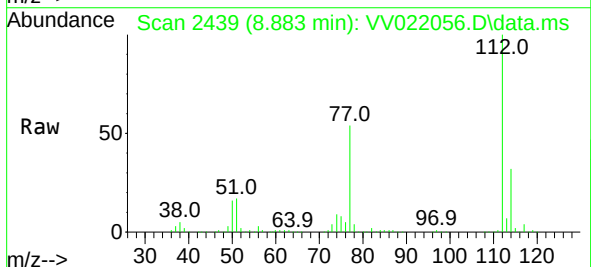
Tgt Ion:112 Resp: 350664

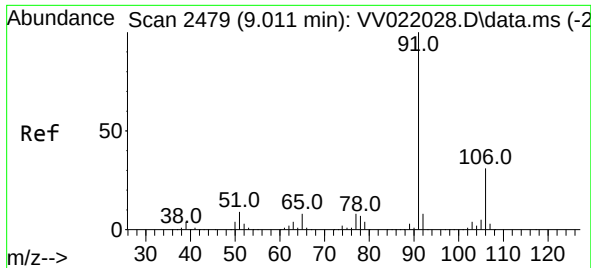
Ion Ratio Lower Upper

112 100

114 32.2 22.0 41.0

77 54.0 43.2 64.8

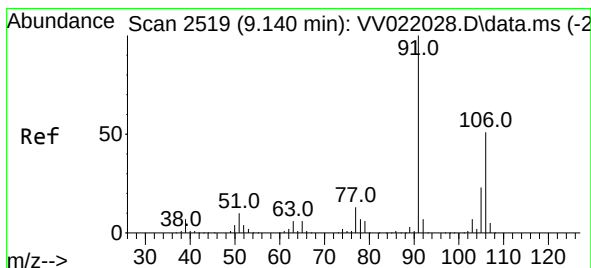
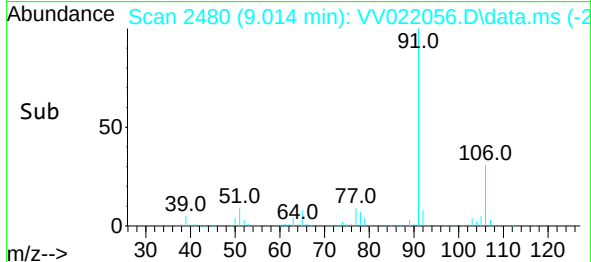
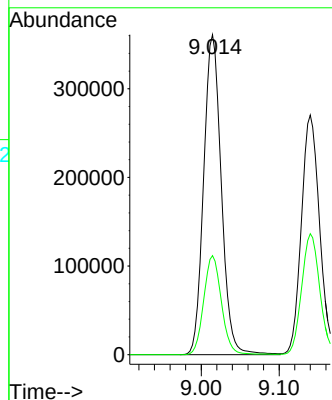
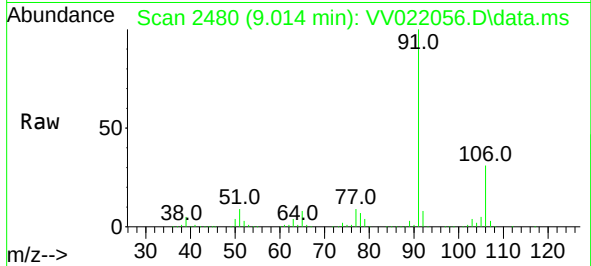




#52  
Ethylbenzene  
Concen: 48.47 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

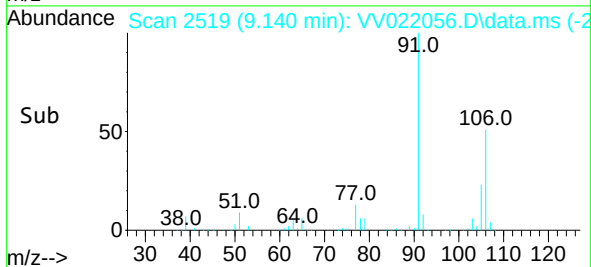
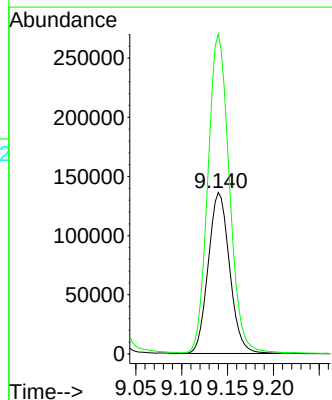
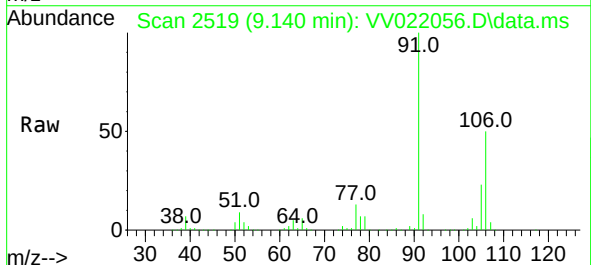
Instrument :  
MSVOA\_V  
ClientSampled :

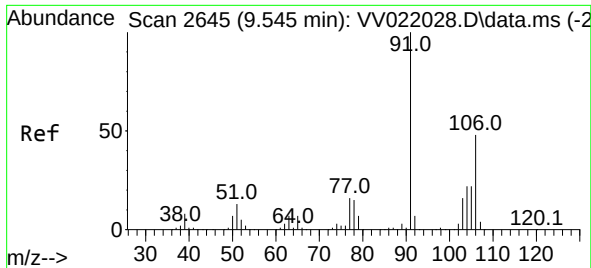
Tgt Ion: 91 Resp: 568255  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.7 40.3



#53  
m,p-Xylene  
Concen: 48.30 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 106 Resp: 220110  
Ion Ratio Lower Upper  
106 100  
91 198.1 139.1 258.3

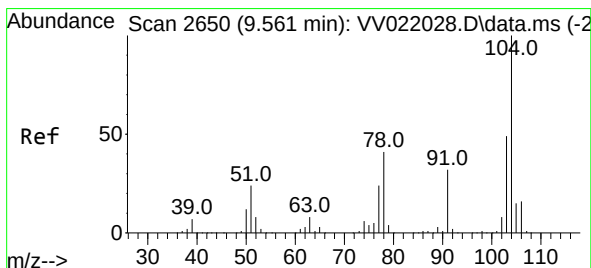
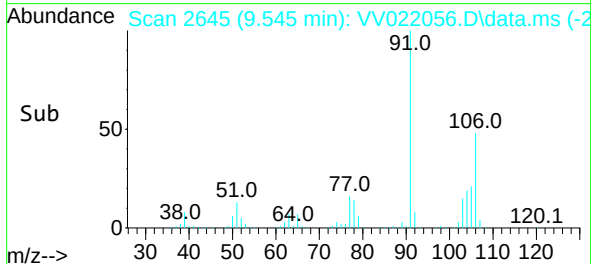
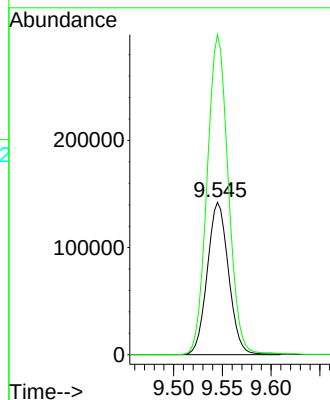
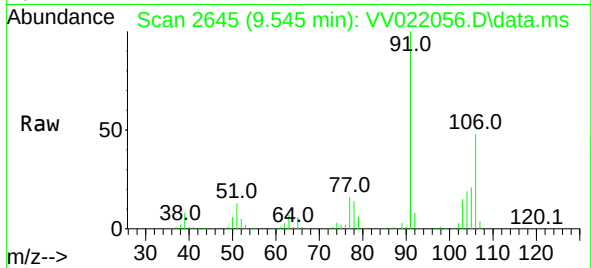




#54  
o-Xylene  
Concen: 47.91 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

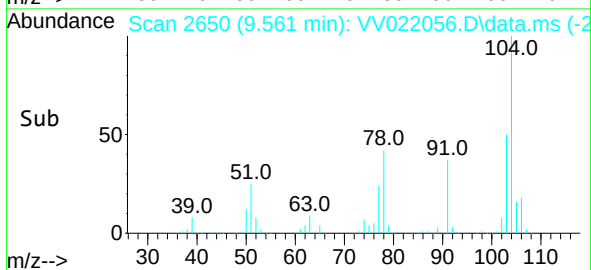
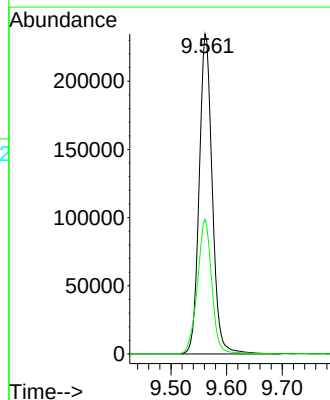
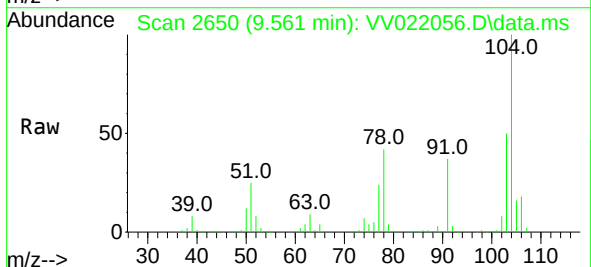
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:106 Resp: 216028  
Ion Ratio Lower Upper  
106 100  
91 209.8 150.1 278.9

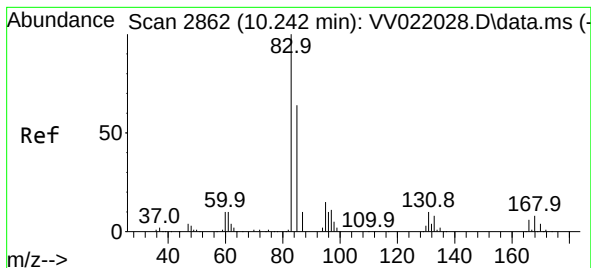


#55  
Styrene  
Concen: 49.80 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion:104 Resp: 383211  
Ion Ratio Lower Upper  
104 100  
78 42.0 28.6 53.2



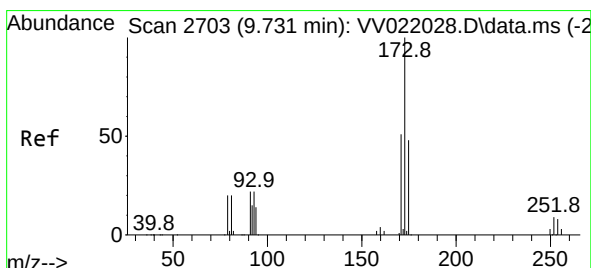
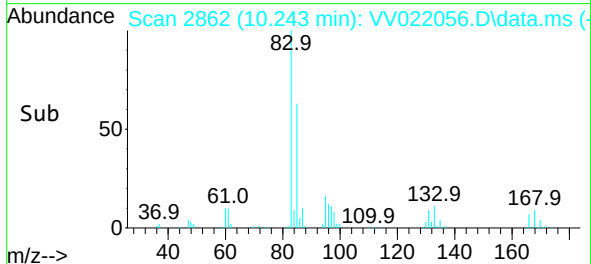
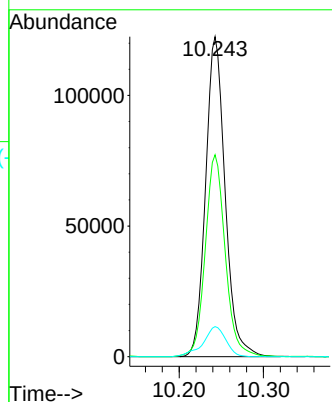
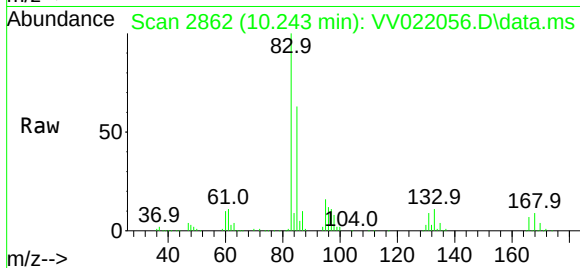




#57  
1,1,2,2-Tetrachloroethane  
Concen: 51.48 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

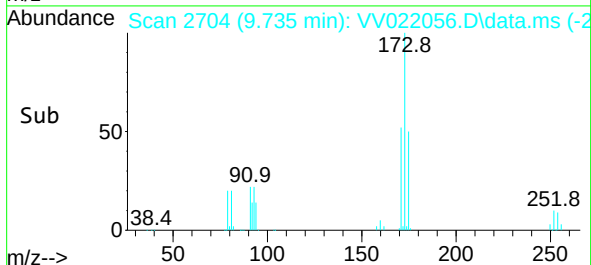
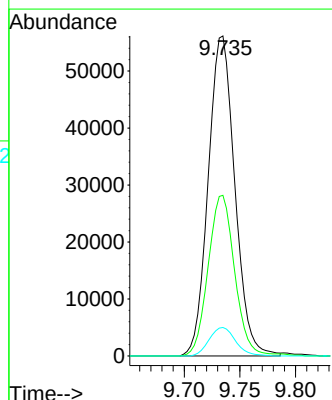
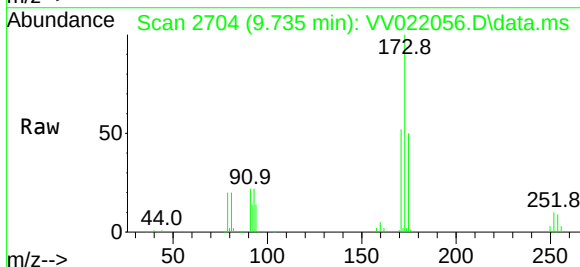
Instrument :  
MSVOA\_V  
ClientSampled :

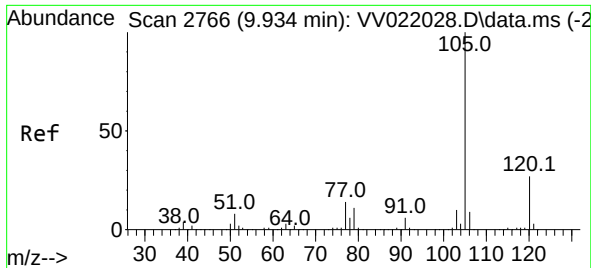
Tgt Ion: 83 Resp: 197428  
Ion Ratio Lower Upper  
83 100  
85 63.1 44.7 83.1  
131 9.4 8.2 12.2



#59  
Bromoform  
Concen: 45.99 ug/L  
RT: 9.735 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 173 Resp: 93419  
Ion Ratio Lower Upper  
173 100  
175 50.1 38.8 58.2  
254 8.8 7.0 10.4

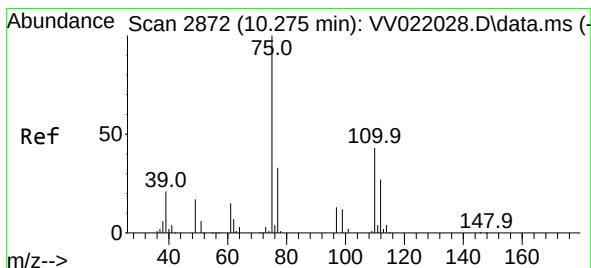
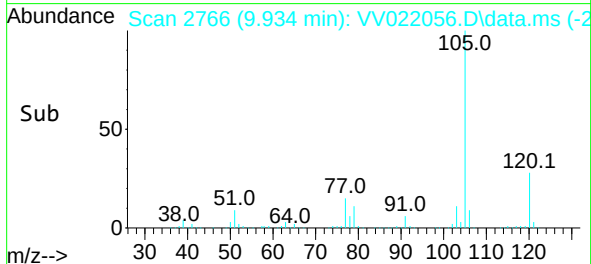
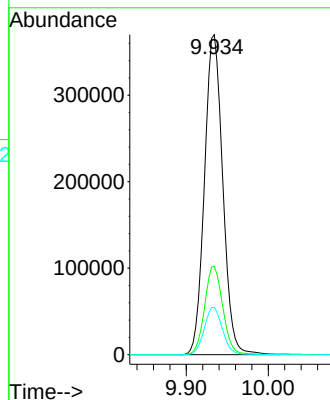
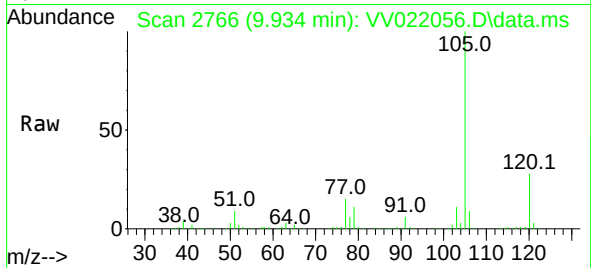




#60  
Isopropylbenzene  
Concen: 47.77 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

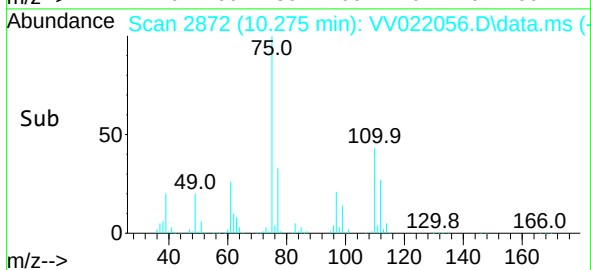
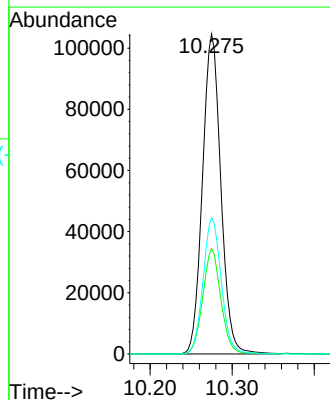
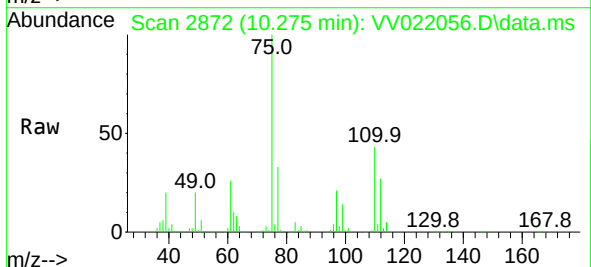
Instrument :  
MSVOA\_V  
ClientSampled :

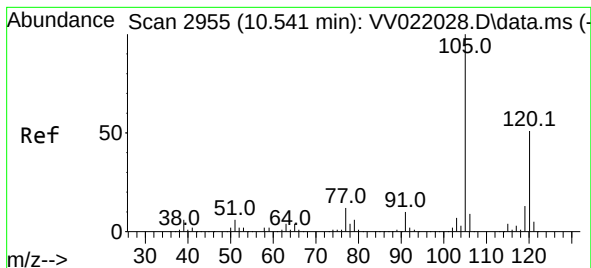
Tgt Ion:105 Resp: 573974  
Ion Ratio Lower Upper  
105 100  
120 27.5 21.5 32.3  
77 14.8 11.8 17.6



#61  
1,2,3-Trichloropropane  
Concen: 49.05 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 75 Resp: 162560  
Ion Ratio Lower Upper  
75 100  
77 32.5 26.2 39.2  
110 42.3 33.8 50.6

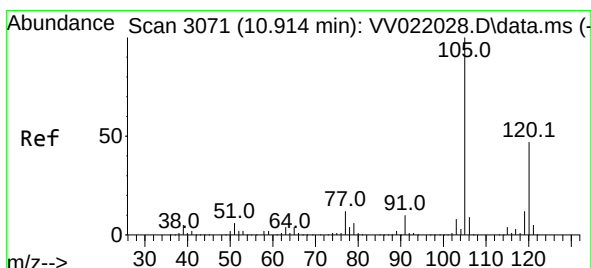
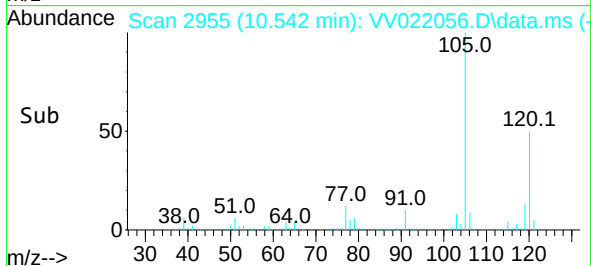
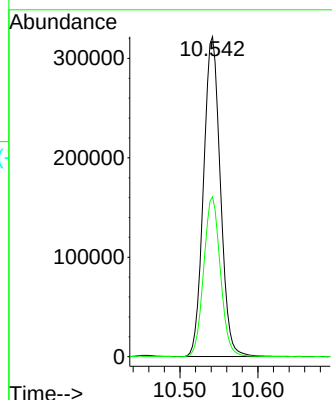
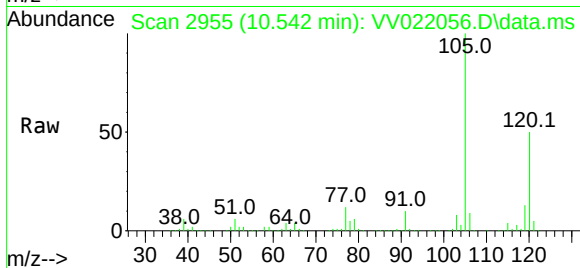




#62  
1,3,5-Trimethylbenzene  
Concen: 47.82 ug/L  
RT: 10.542 min Scan# 2955  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

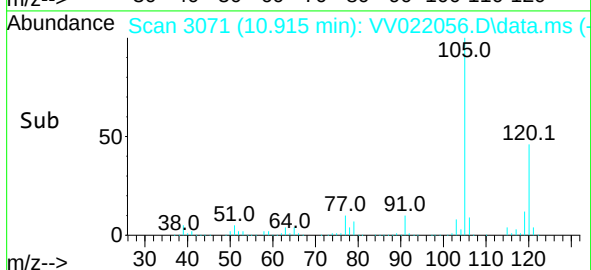
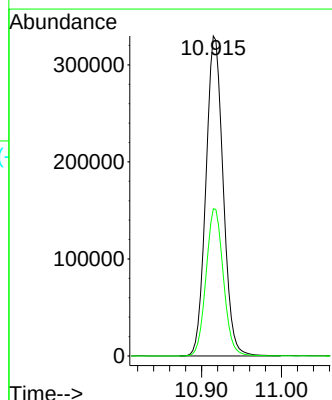
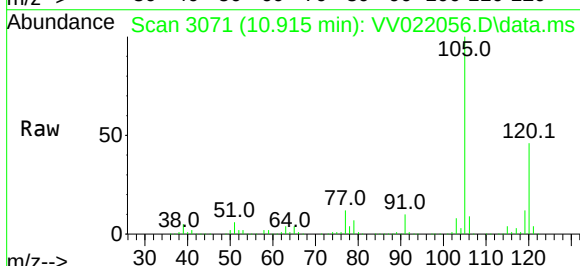
Instrument :  
MSVOA\_V  
ClientSampled :

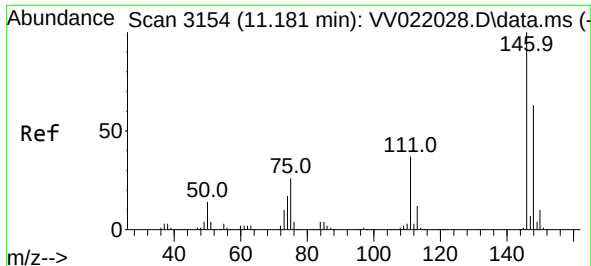
Tgt Ion:105 Resp: 482473  
Ion Ratio Lower Upper  
105 100  
120 49.6 39.6 59.4



#63  
1,2,4-Trimethylbenzene  
Concen: 48.29 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion:105 Resp: 495183  
Ion Ratio Lower Upper  
105 100  
120 46.3 37.4 56.0

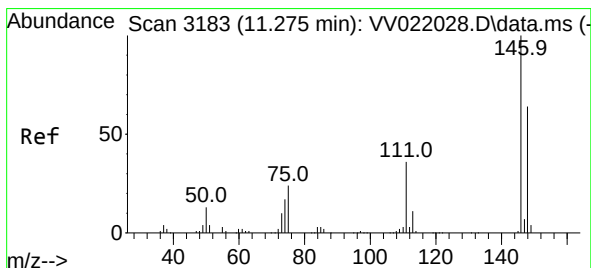
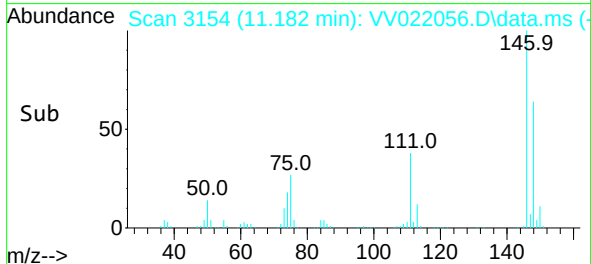
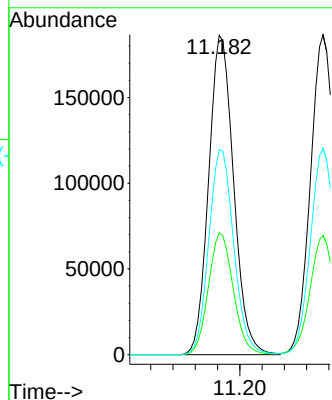
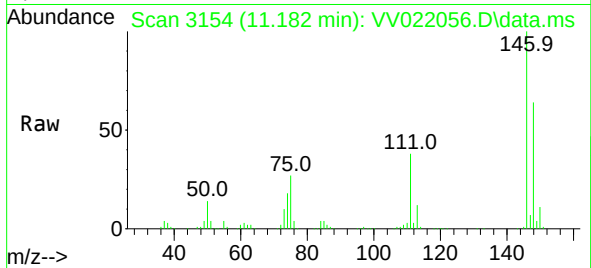




#64  
1,3-Dichlorobenzene  
Concen: 47.60 ug/L  
RT: 11.182 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

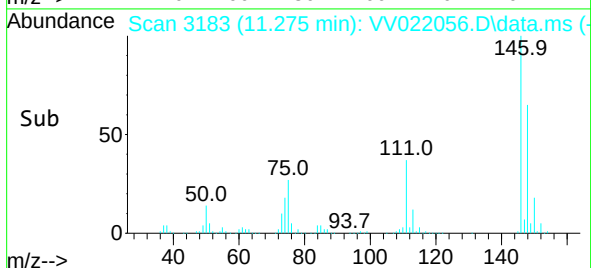
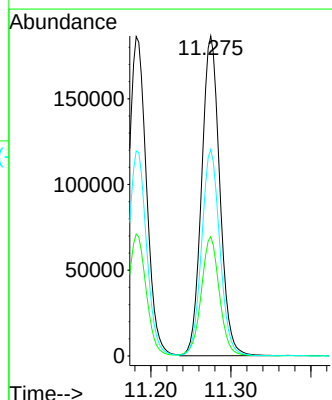
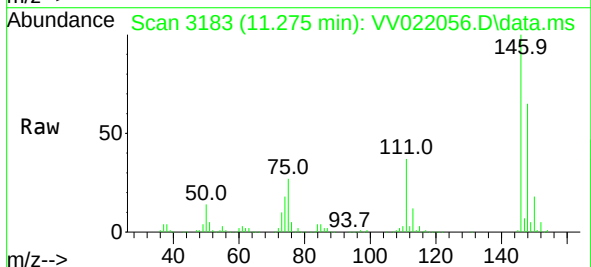
Instrument :  
MSVOA\_V  
ClientSampleId :

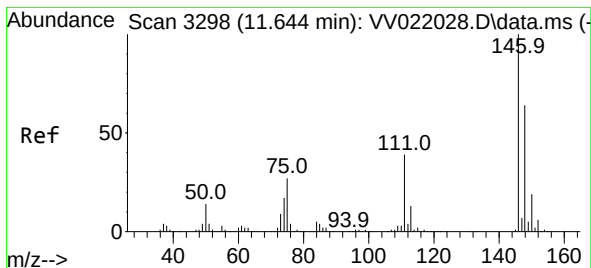
Tgt Ion:146 Resp: 290419  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.9 50.1  
148 64.2 45.5 84.5



#65  
1,4-Dichlorobenzene  
Concen: 47.32 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion:146 Resp: 295404  
Ion Ratio Lower Upper  
146 100  
111 37.3 25.3 46.9  
148 64.5 44.4 82.5

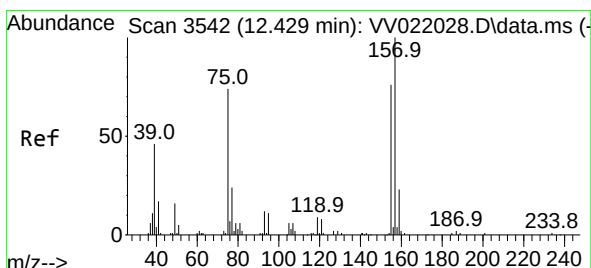
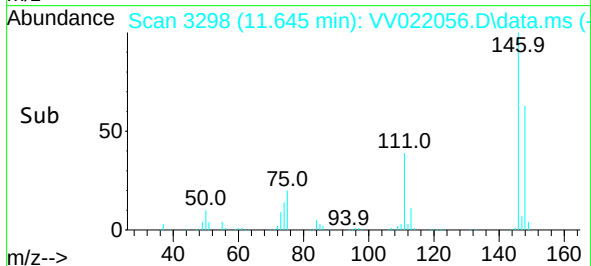
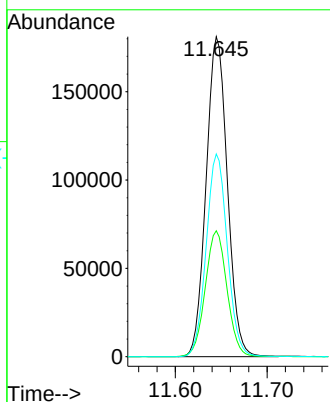
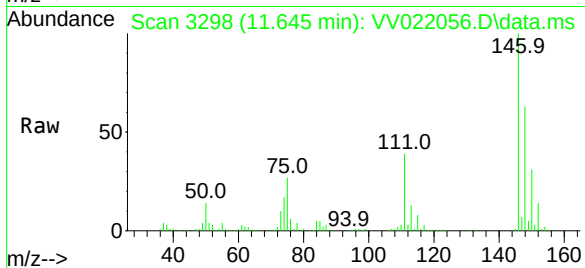




#67  
1,2-Dichlorobenzene  
Concen: 48.26 ug/L  
RT: 11.645 min Scan# 3298  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

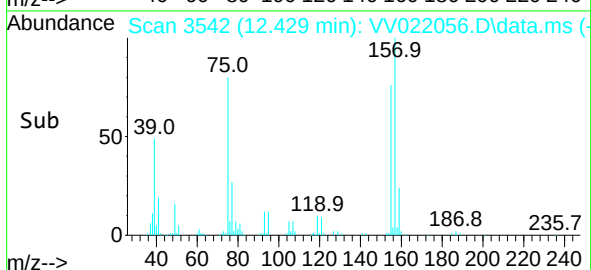
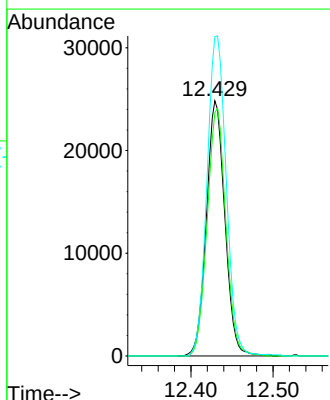
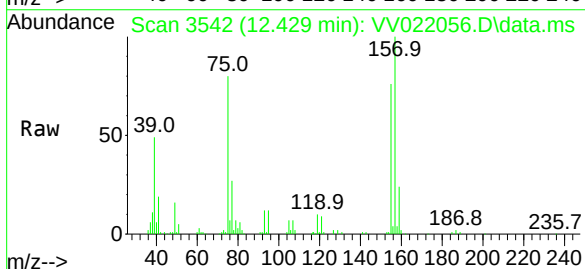
Instrument :  
MSVOA\_V  
ClientSampleId :

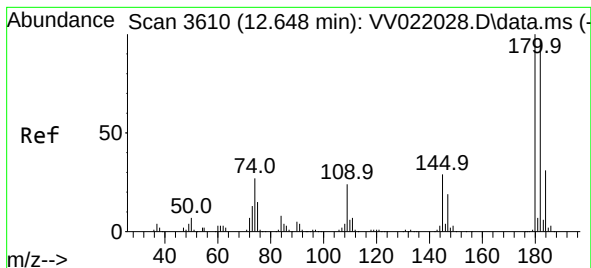
Tgt Ion:146 Resp: 292370  
Ion Ratio Lower Upper  
146 100  
111 39.3 31.6 47.4  
148 63.4 50.6 75.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 48.99 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion: 75 Resp: 39133  
Ion Ratio Lower Upper  
75 100  
155 95.2 79.8 119.6  
157 125.1 98.3 147.5

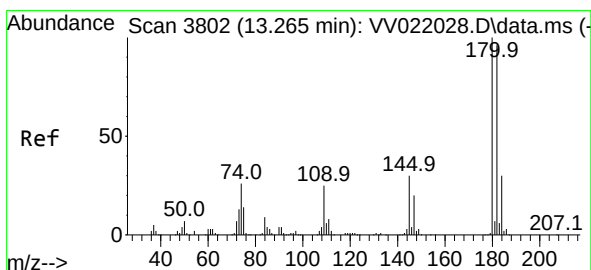
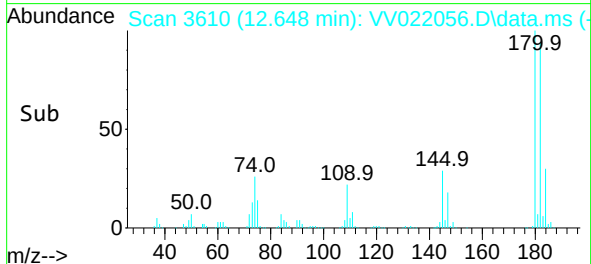
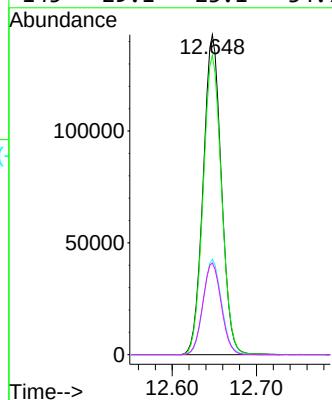
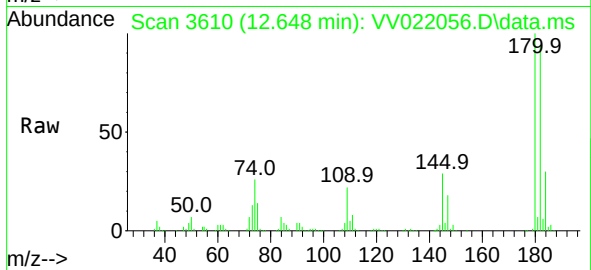




#69  
1,3,5-Trichlorobenzene  
Concen: 47.14 ug/L  
RT: 12.648 min Scan# 3610  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

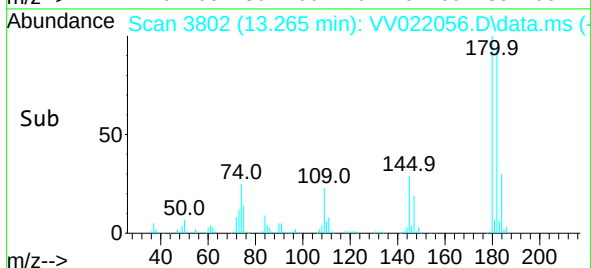
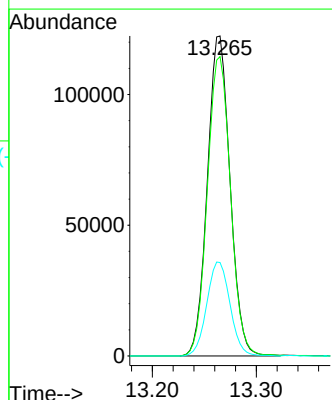
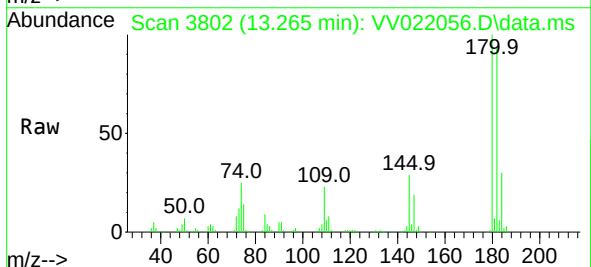
Instrument :  
MSVOA\_V  
ClientSampled :

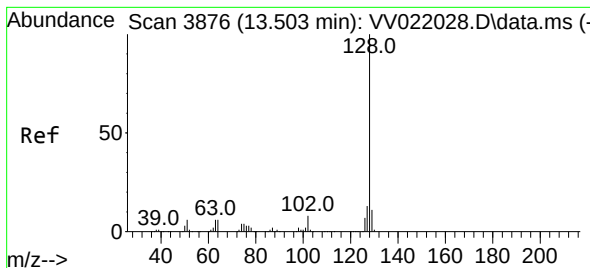
Tgt Ion:180 Resp: 215052  
Ion Ratio Lower Upper  
180 100  
182 94.9 76.4 114.6  
184 30.1 24.0 36.0  
145 29.1 23.1 34.7



#70  
1,2,4-trichlorobenzene  
Concen: 46.32 ug/L  
RT: 13.265 min Scan# 3802  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion:180 Resp: 185874  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.9 113.9  
145 30.0 23.8 35.6

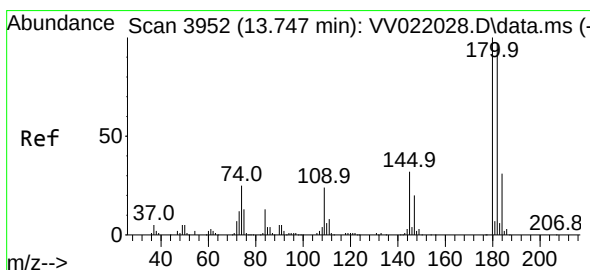
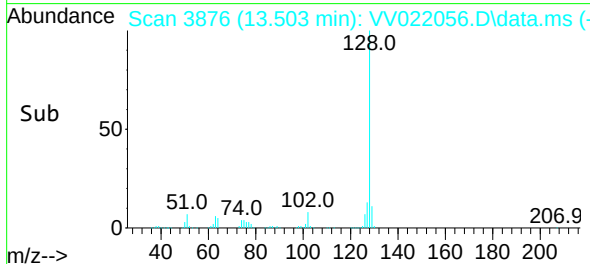
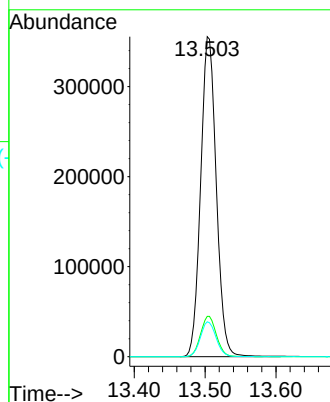
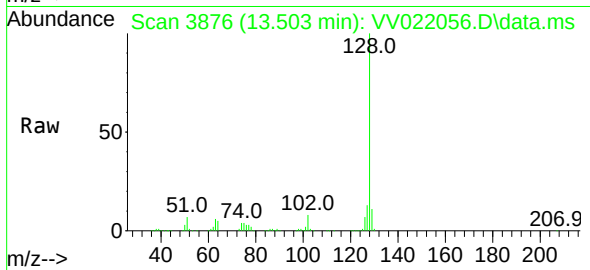




#71  
Naphthalene  
Concen: 47.12 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:128 Resp: 543930  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.1 15.1  
129 11.0 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 47.45 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.003 min  
Lab File: VV022056.D  
Acq: 01 Sep 2021 09:45

Tgt Ion:180 Resp: 185729  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.3 114.5  
145 32.1 25.4 38.0

