

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102221\  
 Data File : VW022984.D  
 Acq On : 22 Oct 2021 12:18  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 23 01:28:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 23 01:14:46 2021  
 Response via : Initial Calibration

| Compound                      |        | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|------------|--------|----------|
| -----                         |        |        |          |          |            |        |          |
| Internal Standards            |        |        |          |          |            |        |          |
| 1) 1,4-Difluorobenzene        |        | 5.612  | 114      | 146328   | 5.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          |        | 8.850  | 117      | 139560   | 5.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 11.249 | 152      | 75972    | 5.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |        |        |          |          |            |        |          |
| 4) Vinyl Chloride-d3          |        | 1.294  | 65       | 64153    | 5.017      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 40 - 130 | Recovery | = 100.400% |        |          |
| 7) Chloroethane-d5            |        | 1.558  | 69       | 40994    | 5.183      | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range  | 65 - 130 | Recovery | = 103.600% |        |          |
| 11) 1,1-Dichloroethene-d2     |        | 2.098  | 63       | 92935    | 5.038      | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range  | 60 - 125 | Recovery | = 100.800% |        |          |
| 20) 2-Butanone-d5             |        | 3.960  | 46       | 116737   | 56.914     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 40 - 130 | Recovery | = 113.820% |        |          |
| 24) Chloroform-d              |        | 4.339  | 84       | 105699   | 5.085      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | = 101.600% |        |          |
| 26) 1,2-Dichloroethane-d4     |        | 5.031  | 65       | 51179    | 5.223      | ug/L   | -0.01    |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | = 104.400% |        |          |
| 32) Benzene-d6                |        | 5.037  | 84       | 216542   | 5.315      | ug/L   | -0.01    |
| Spiked Amount                 | 5.000  | Range  | 70 - 125 | Recovery | = 106.200% |        |          |
| 36) 1,2-Dichloropropane-d6    |        | 6.066  | 67       | 67033    | 5.344      | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range  | 60 - 140 | Recovery | = 106.800% |        |          |
| 41) Toluene-d8                |        | 7.310  | 98       | 205789   | 5.623      | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range  | 70 - 130 | Recovery | = 112.400% |        |          |
| 43) trans-1,3-Dichloroprop... |        | 7.622  | 79       | 24258    | 5.520      | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range  | 55 - 130 | Recovery | = 110.400% |        |          |
| 46) 2-Hexanone-d5             |        | 8.101  | 63       | 90159    | 55.412     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 45 - 130 | Recovery | = 110.820% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 10.217 | 84       | 48682    | 5.621      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 65 - 120 | Recovery | = 112.400% |        |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 11.625 | 152      | 70863    | 5.228      | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range  | 80 - 120 | Recovery | = 104.600% |        |          |
| Target Compounds              |        |        |          |          |            |        |          |
|                               |        |        |          |          |            | Qvalue |          |
| 2) Dichlorodifluoromethane    |        | 1.124  | 85       | 47954    | 5.166      | ug/L   | 98       |
| 3) Chloromethane              |        | 1.230  | 50       | 48358    | 4.820      | ug/L   | 96       |
| 5) Vinyl chloride             |        | 1.301  | 62       | 51475    | 4.967      | ug/L   | 100      |
| 6) Bromomethane               |        | 1.513  | 94       | 25832    | 4.934      | ug/L   | 99       |
| 8) Chloroethane               |        | 1.574  | 64       | 26750    | 4.936      | ug/L   | 96       |
| 9) Trichlorofluoromethane     |        | 1.741  | 101      | 70844    | 5.065      | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... |        | 2.105  | 101      | 40227    | 5.044      | ug/L   | 100      |
| 12) 1,1-Dichloroethene        |        | 2.108  | 96       | 36840    | 4.918      | ug/L   | 96       |
| 13) Acetone                   |        | 2.259  | 43       | 51112    | 50.791     | ug/L   | 95       |
| 14) Carbon disulfide          |        | 2.281  | 76       | 102371   | 5.018      | ug/L   | 99       |
| 15) Methyl Acetate            |        | 2.465  | 43       | 18688    | 4.882      | ug/L # | 80       |
| 16) Methylene chloride        |        | 2.497  | 84       | 40372    | 4.906      | ug/L   | 88       |
| 17) Methyl tert-butyl Ether   |        | 2.773  | 73       | 92679    | 5.182      | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  |        | 2.744  | 96       | 39593    | 4.950      | ug/L   | 97       |
| 19) 1,1-Dichloroethane        |        | 3.178  | 63       | 78941    | 5.372      | ug/L   | 97       |
| 21) 2-Butanone                |        | 4.043  | 43       | 107240   | 54.434     | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    |        | 3.899  | 96       | 47989    | 5.292      | ug/L # | 100      |
| 23) Bromochloromethane        |        | 4.236  | 128      | 21040    | 5.111      | ug/L   | 96       |
| 25) Chloroform                |        | 4.365  | 83       | 94017    | 4.842      | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102221\  
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 Acq On : 22 Oct 2021 12:18  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 23 01:28:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 23 01:14:46 2021  
 Response via : Initial Calibration

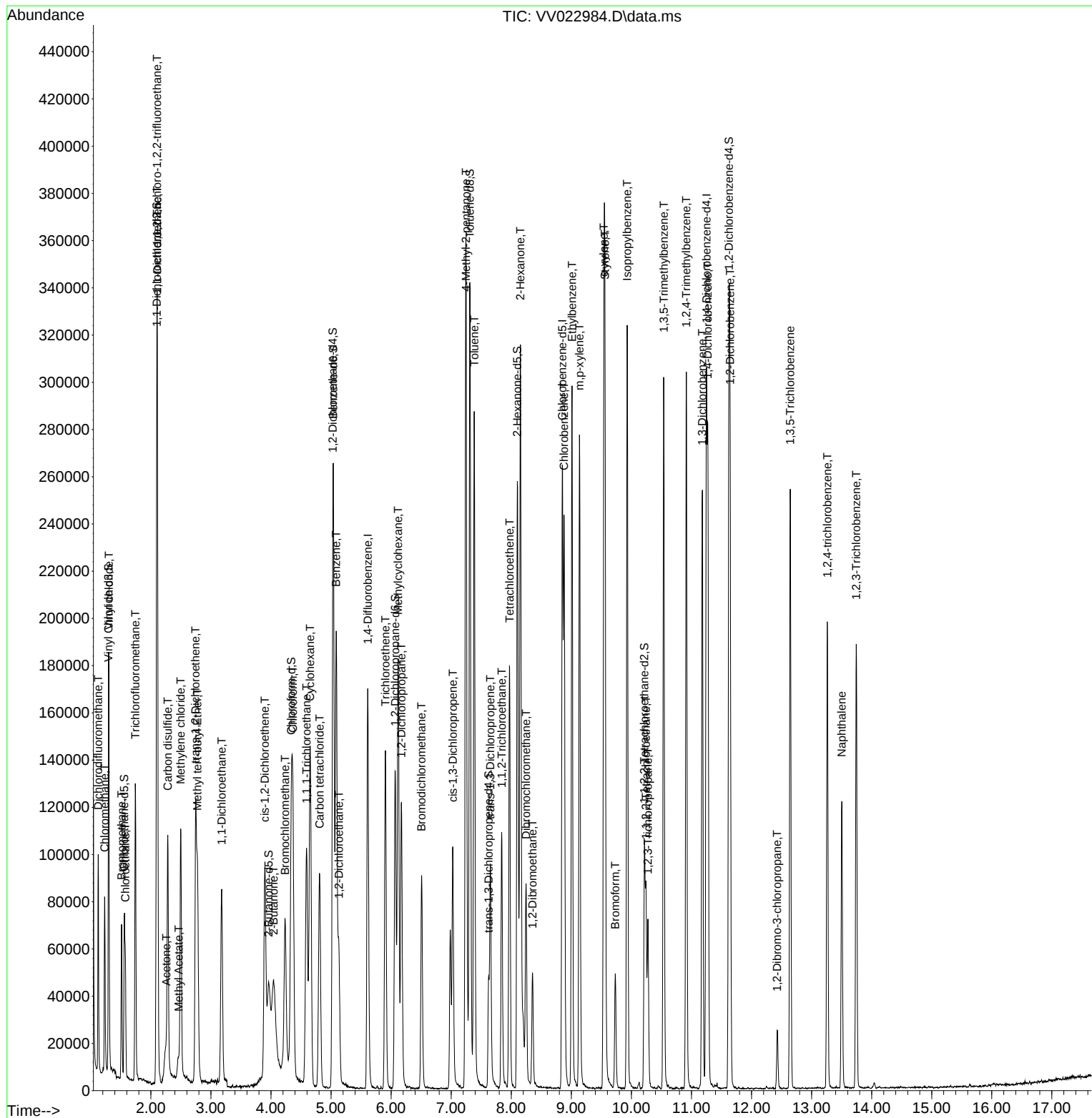
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 48178    | 4.705  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.593  | 97   | 80419    | 5.099  | ug/L   | 100      |
| 30) Cyclohexane               | 4.651  | 56   | 76217    | 5.535  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.809  | 117  | 68923    | 5.079  | ug/L   | 99       |
| 33) Benzene                   | 5.085  | 78   | 194149   | 5.169  | ug/L   | 100      |
| 34) Trichloroethene           | 5.905  | 95   | 48819    | 5.174  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.117  | 83   | 68626    | 5.080  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 47256    | 4.992  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.506  | 83   | 59280    | 5.077  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 60020    | 5.092  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.246  | 43   | 249710   | 56.034 | ug/L   | 100      |
| 42) Toluene                   | 7.384  | 91   | 205057   | 5.388  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 53224    | 5.458  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 33681    | 5.086  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.973  | 164  | 41455    | 5.201  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.153  | 43   | 175677   | 53.105 | ug/L # | 90       |
| 49) Dibromochloromethane      | 8.246  | 129  | 41732    | 5.296  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 32396    | 5.434  | ug/L   | 97       |
| 51) Chlorobenzene             | 8.879  | 112  | 130427   | 5.217  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 196238   | 5.195  | ug/L   | 98       |
| 53) m,p-xylene                | 9.136  | 106  | 78028    | 5.151  | ug/L   | 98       |
| 54) o-xylene                  | 9.542  | 106  | 74820    | 5.246  | ug/L   | 99       |
| 55) Styrene                   | 9.561  | 104  | 133959   | 5.439  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 39877    | 5.387  | ug/L # | 97       |
| 59) Bromoform                 | 9.731  | 173  | 23000    | 5.195  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 200751   | 5.225  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 27728    | 5.185  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 155318   | 5.033  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 160590   | 5.213  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 104731   | 5.180  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 105542   | 5.139  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 97984    | 5.206  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 5834     | 5.529  | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 78775    | 5.116  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 61336    | 5.323  | ug/L   | 98       |
| 71) Naphthalene               | 13.503 | 128  | 95266    | 5.438  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 57020    | 5.331  | ug/L   | 99       |

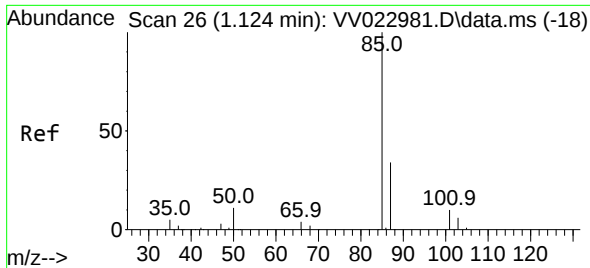
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102221\  
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 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

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 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 23 01:28:09 2021  
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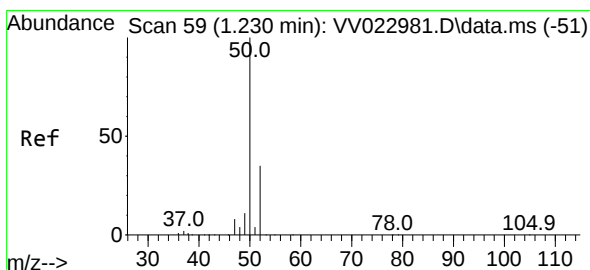
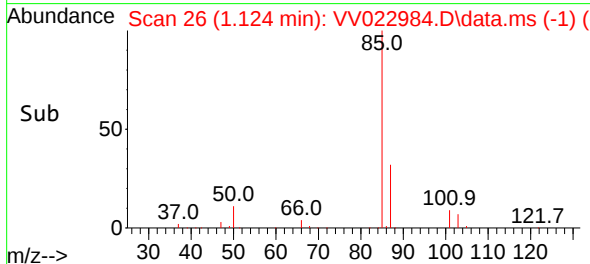
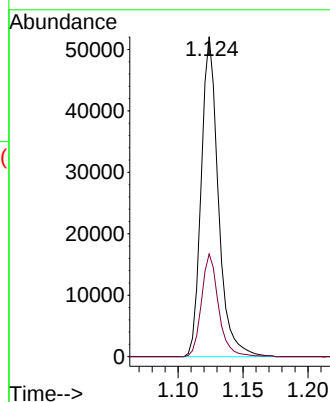
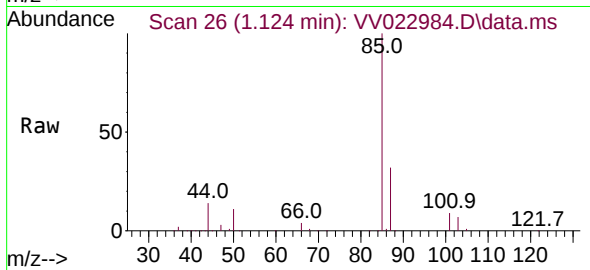




#2  
 Dichlorodifluoromethane  
 Concen: 5.166 ug/L  
 RT: 1.124 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

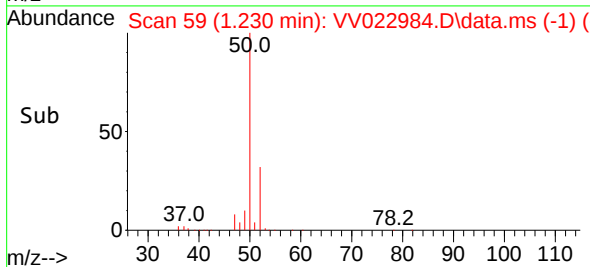
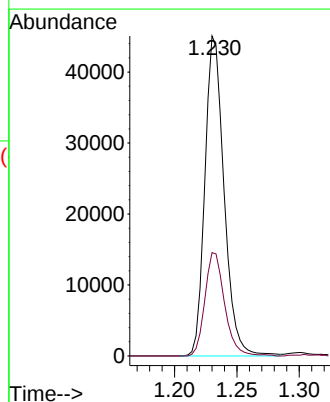
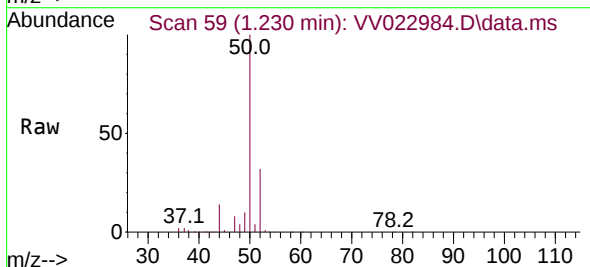
Instrument :  
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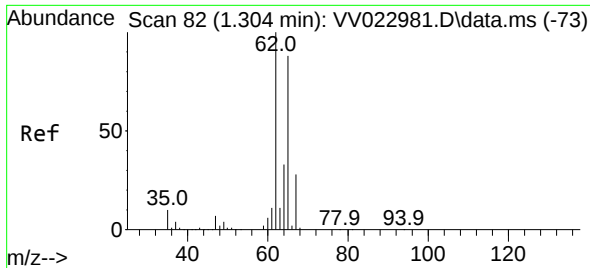
Tgt Ion: 85 Resp: 47954  
 Ion Ratio Lower Upper  
 85 100  
 87 31.9 26.6 39.8



#3  
 Chloromethane  
 Concen: 4.820 ug/L  
 RT: 1.230 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

Tgt Ion: 50 Resp: 48358  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 24.3 45.1

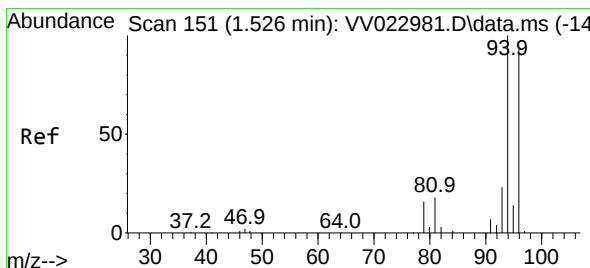
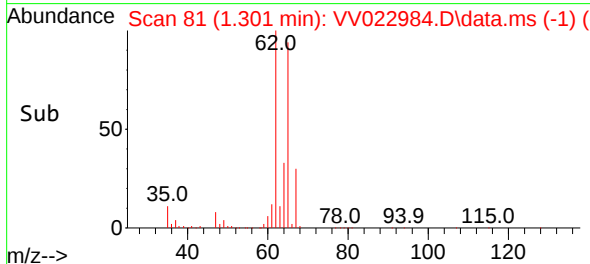
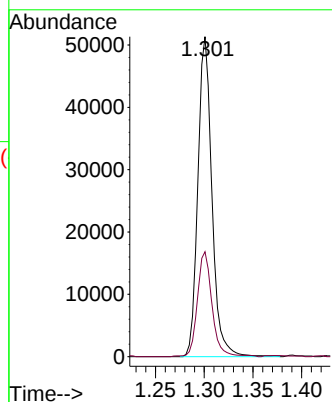
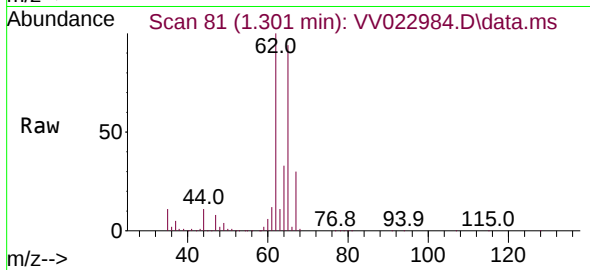




#5  
 Vinyl chloride  
 Concen: 4.967 ug/L  
 RT: 1.301 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

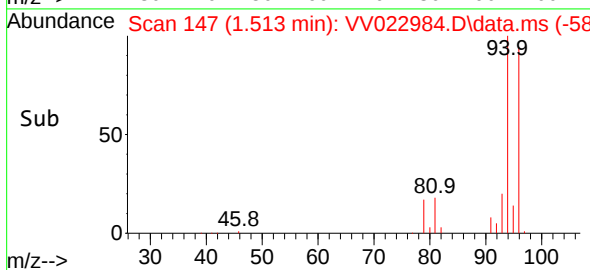
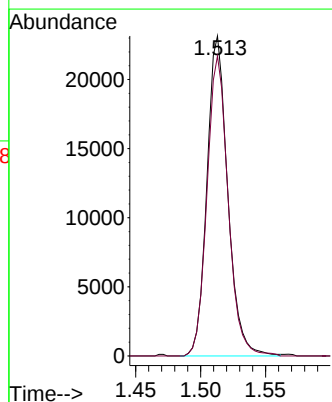
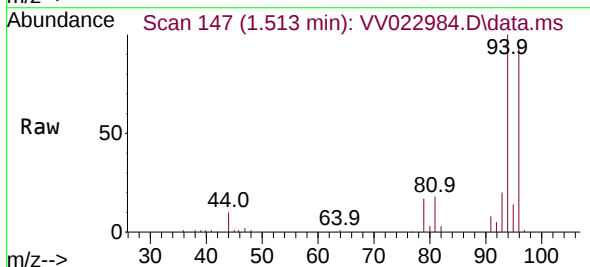
Instrument :  
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 ClientSampleId :

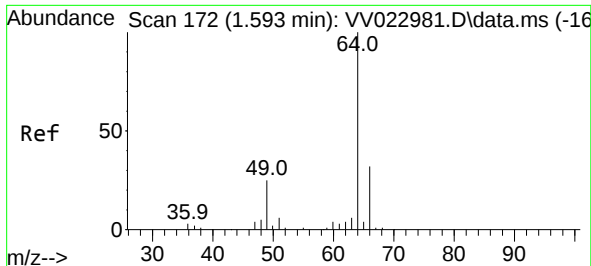
Tgt Ion: 62 Resp: 51475  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 23.1 42.9



#6  
 Bromomethane  
 Concen: 4.934 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. -0.013 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

Tgt Ion: 94 Resp: 25832  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 65.0 120.8

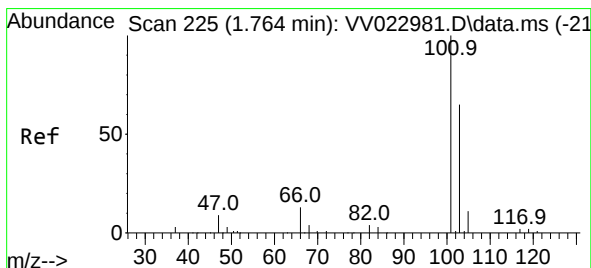
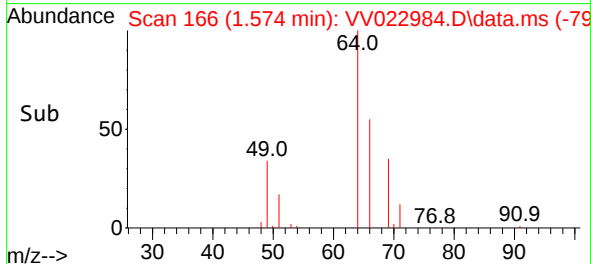
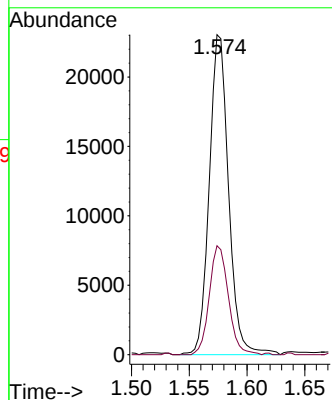
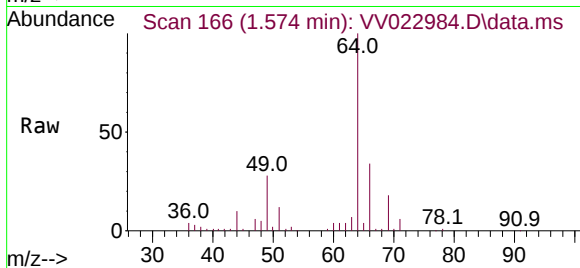




#8  
Chloroethane  
Concen: 4.936 ug/L  
RT: 1.574 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

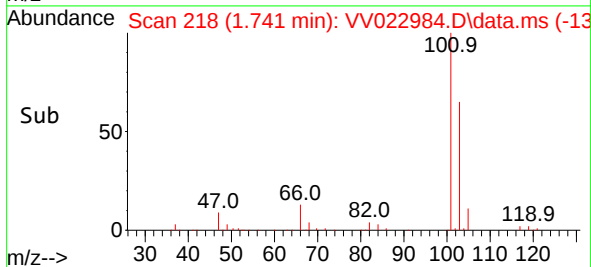
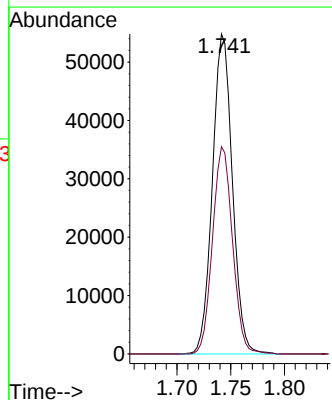
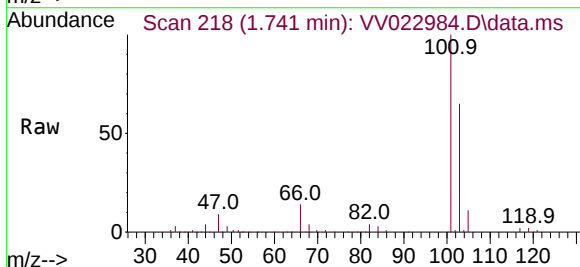
Instrument :  
MSVOA\_V  
ClientSampleId :

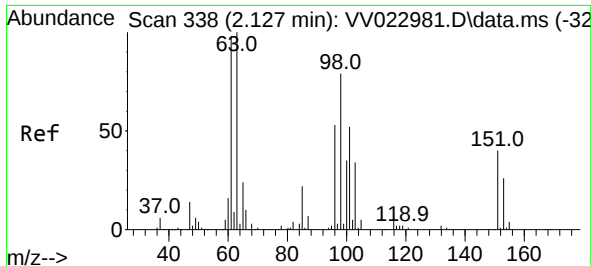
Tgt Ion: 64 Resp: 26750  
Ion Ratio Lower Upper  
64 100  
66 34.1 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 5.065 ug/L  
RT: 1.741 min Scan# 218  
Delta R.T. -0.022 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 101 Resp: 70844  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.6 79.0

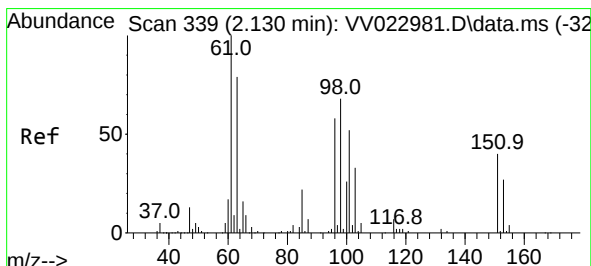
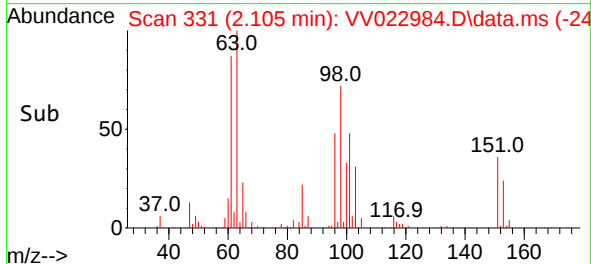
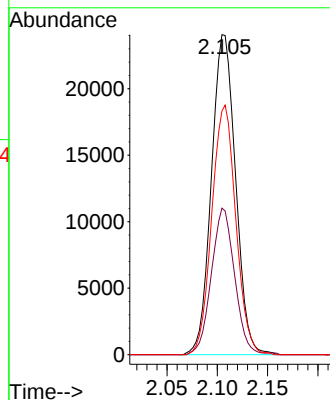
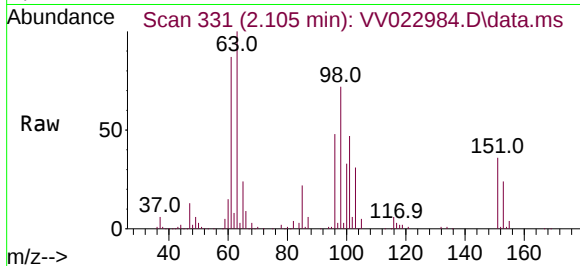




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.044 ug/L  
RT: 2.105 min Scan# 311  
Delta R.T. -0.023 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

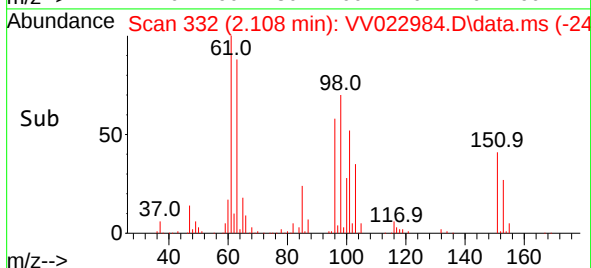
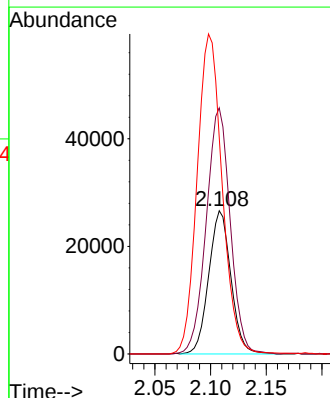
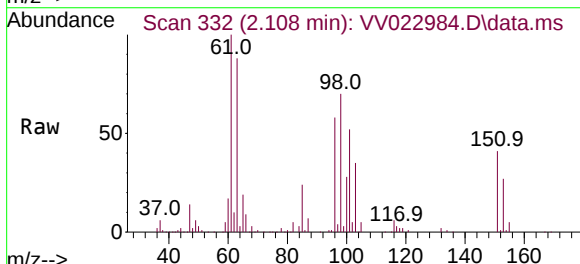
Instrument :  
MSVOA\_V  
ClientSampleId :

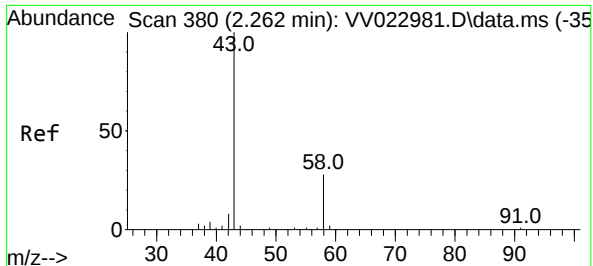
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Ion Ratio Lower Upper  
101 100  
85 44.0 35.3 52.9  
151 77.6 62.2 93.2



#12  
1,1-Dichloroethene  
Concen: 4.918 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.023 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 96 Resp: 36840  
Ion Ratio Lower Upper  
96 100  
61 171.9 121.5 225.7  
63 151.2 99.6 185.0





#13

Acetone

Concen: 50.791 ug/L

RT: 2.259 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

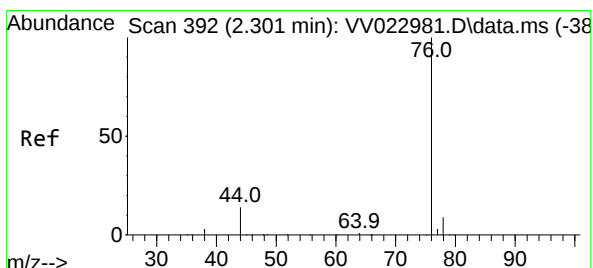
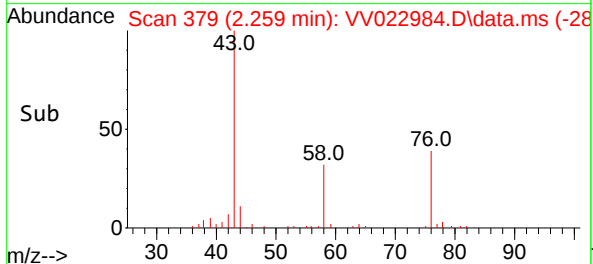
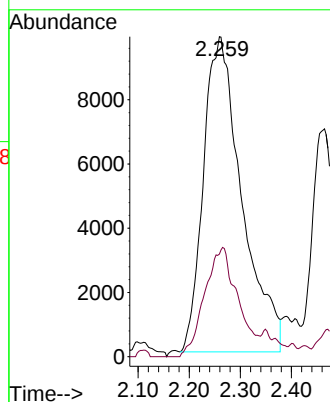
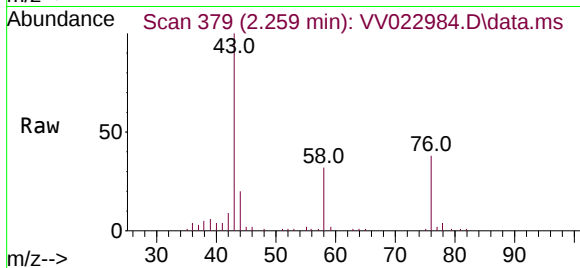
ClientSampleId :

Tgt Ion: 43 Resp: 51112

Ion Ratio Lower Upper

43 100

58 30.3 0.0 55.4



#14

Carbon disulfide

Concen: 5.018 ug/L

RT: 2.281 min Scan# 386

Delta R.T. -0.019 min

Lab File: VV022984.D

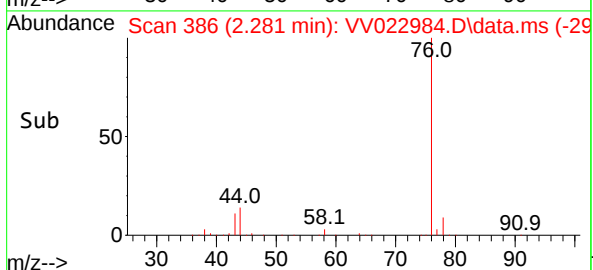
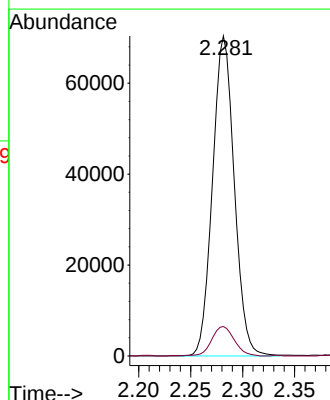
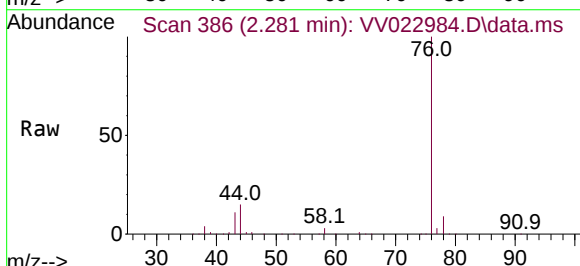
Acq: 22 Oct 2021 12:18

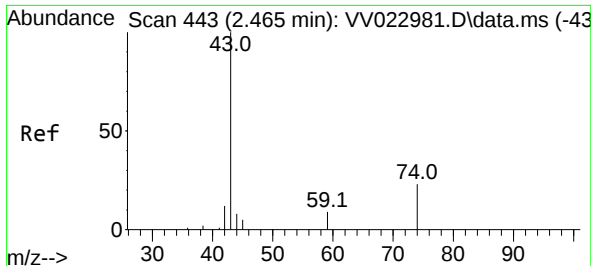
Tgt Ion: 76 Resp: 102371

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

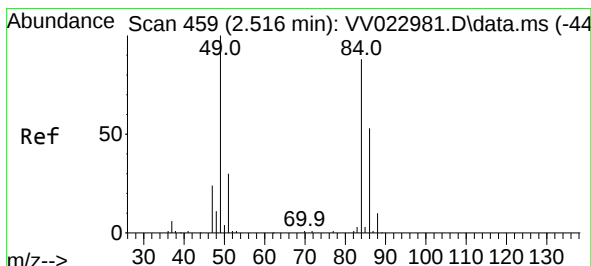
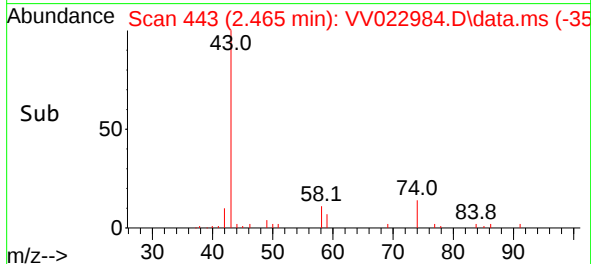
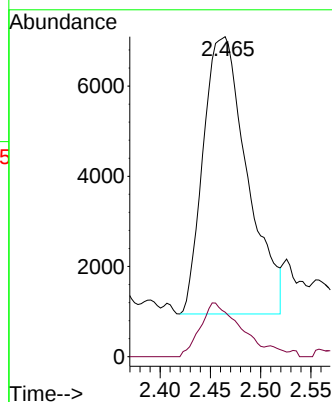
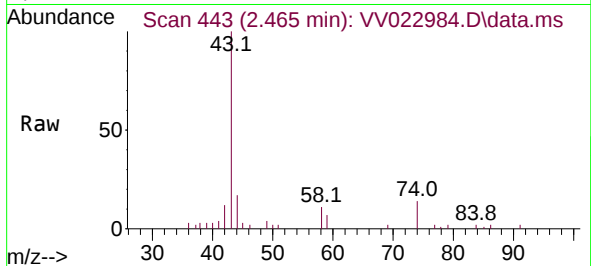




#15  
Methyl Acetate  
Concen: 4.882 ug/L  
RT: 2.465 min Scan# 443  
Delta R.T. -0.000 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

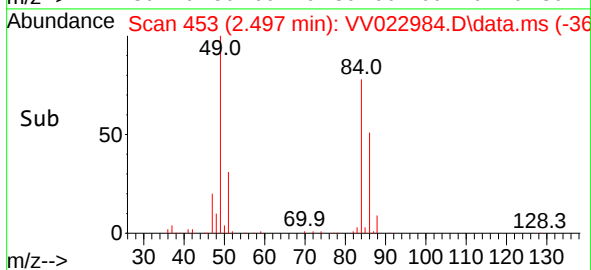
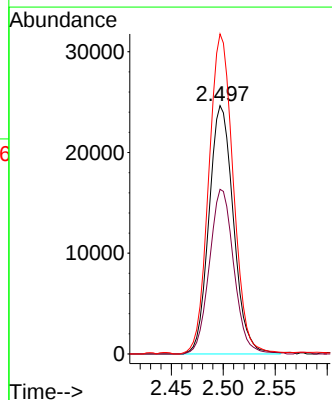
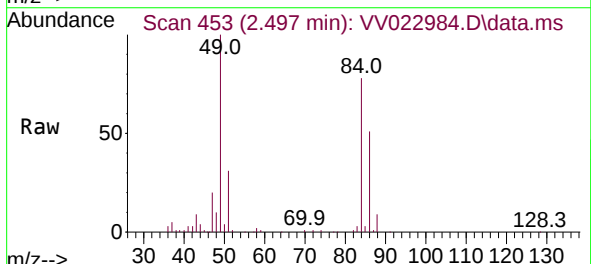
Instrument :  
MSVOA\_V  
ClientSampleId :

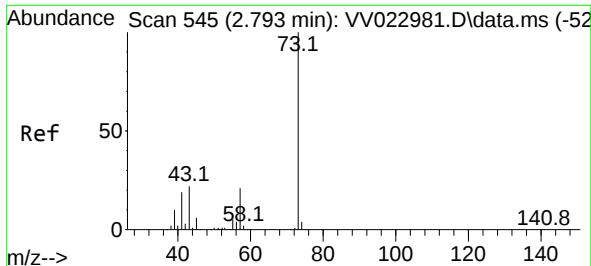
Tgt Ion: 43 Resp: 18688  
Ion Ratio Lower Upper  
43 100  
74 17.3 22.2 33.2#



#16  
Methylene chloride  
Concen: 4.906 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. -0.019 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 84 Resp: 40372  
Ion Ratio Lower Upper  
84 100  
86 66.3 42.3 78.5  
49 128.9 79.7 148.1

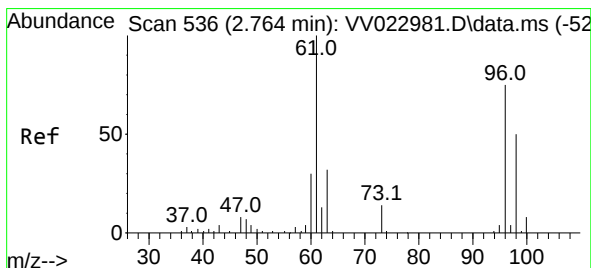
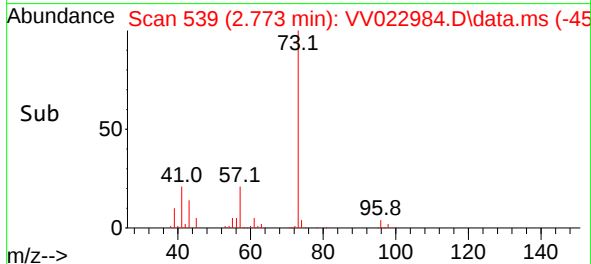
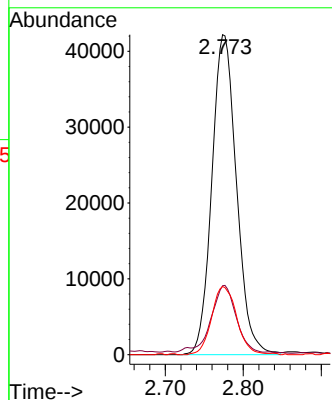
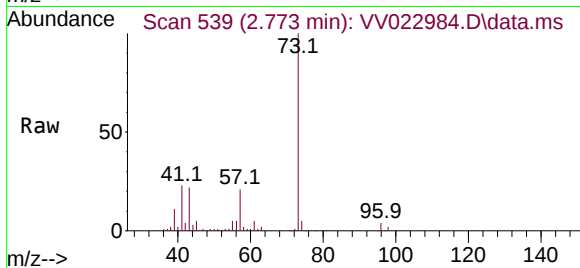




#17  
Methyl tert-butyl Ether  
Concen: 5.182 ug/L  
RT: 2.773 min Scan# 51  
Delta R.T. -0.019 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

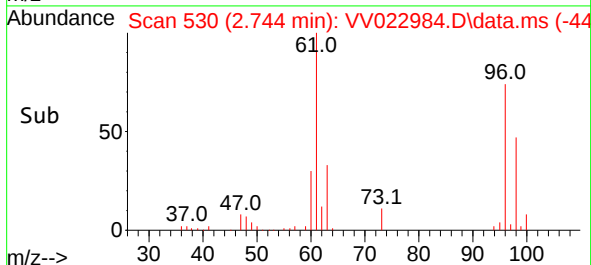
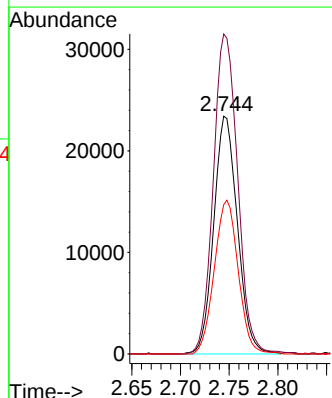
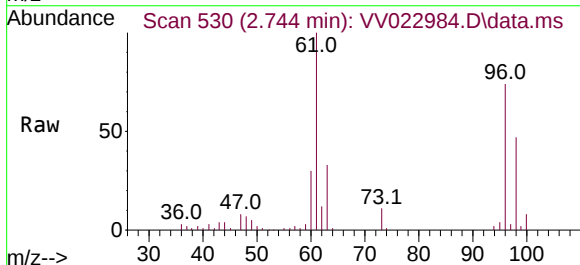
Instrument :  
MSVOA\_V  
ClientSampleId :

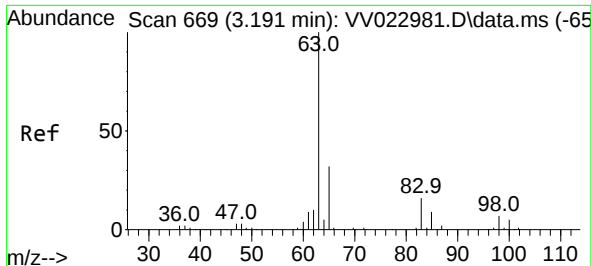
Tgt Ion: 73 Resp: 92679  
Ion Ratio Lower Upper  
73 100  
43 20.3 17.4 26.0  
57 21.7 16.5 24.7



#18  
trans-1,2-Dichloroethene  
Concen: 4.950 ug/L  
RT: 2.744 min Scan# 530  
Delta R.T. -0.019 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 96 Resp: 39593  
Ion Ratio Lower Upper  
96 100  
61 134.6 93.2 173.2  
98 62.8 47.0 87.2





#19

1,1-Dichloroethane

Concen: 5.372 ug/L

RT: 3.178 min Scan# 61

Delta R.T. -0.013 min

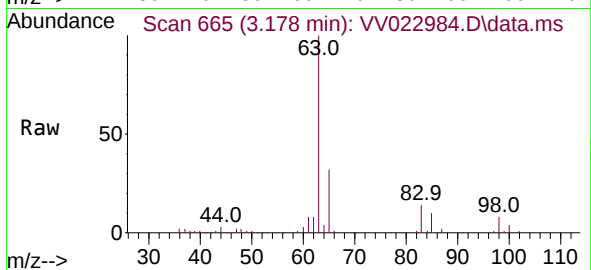
Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

ClientSampleId :



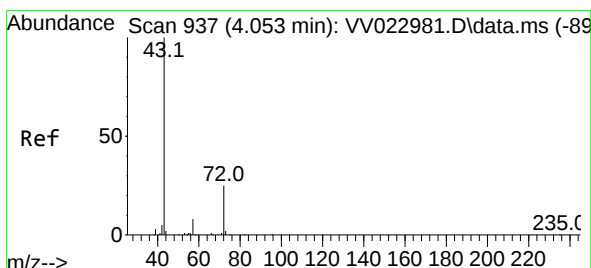
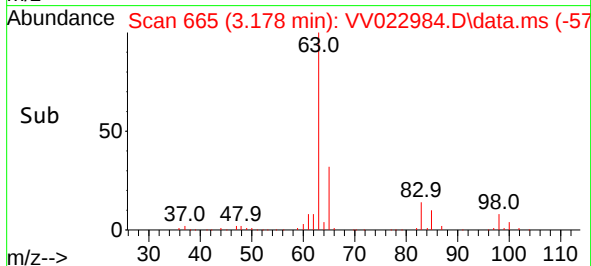
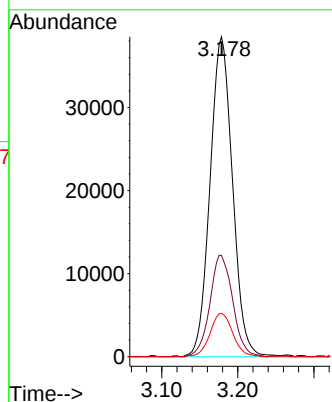
Tgt Ion: 63 Resp: 78941

Ion Ratio Lower Upper

63 100

65 31.6 22.6 42.0

83 13.5 11.1 20.7



#21

2-Butanone

Concen: 54.434 ug/L

RT: 4.043 min Scan# 934

Delta R.T. -0.010 min

Lab File: VV022984.D

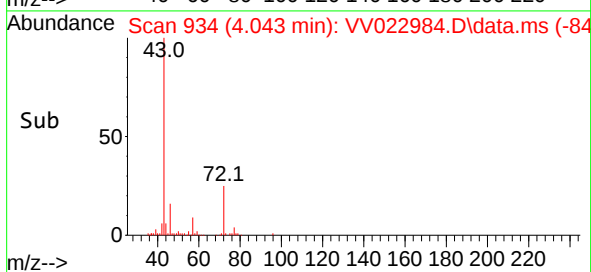
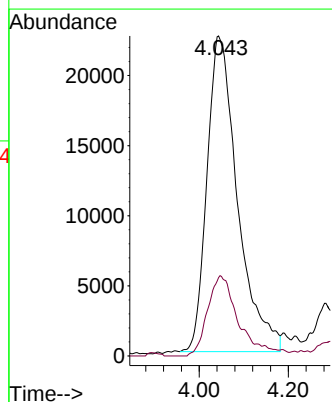
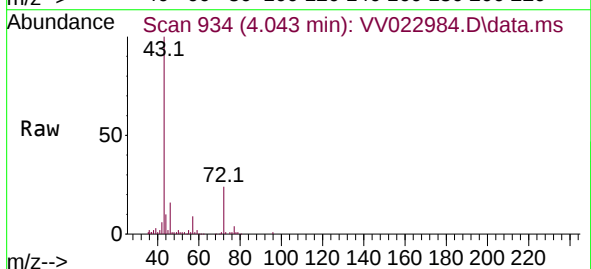
Acq: 22 Oct 2021 12:18

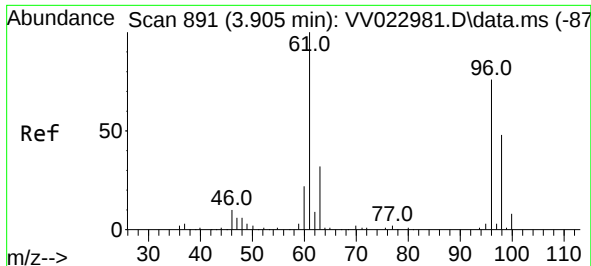
Tgt Ion: 43 Resp: 107240

Ion Ratio Lower Upper

43 100

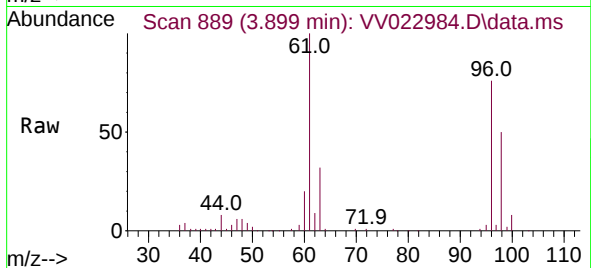
72 24.4 11.9 35.9





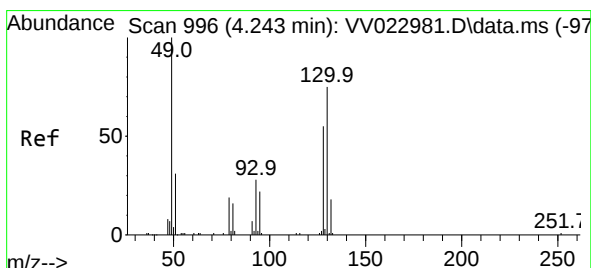
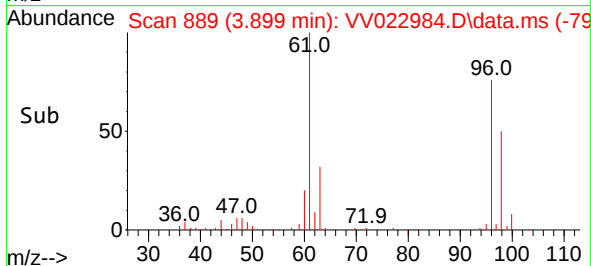
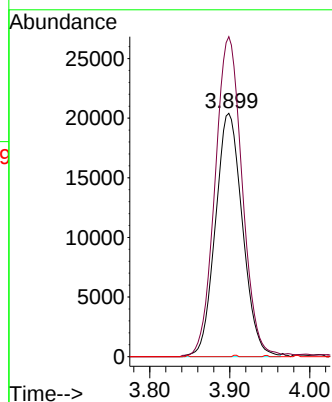
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.292 ug/L  
 RT: 3.899 min Scan# 891  
 Delta R.T. -0.006 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 47989

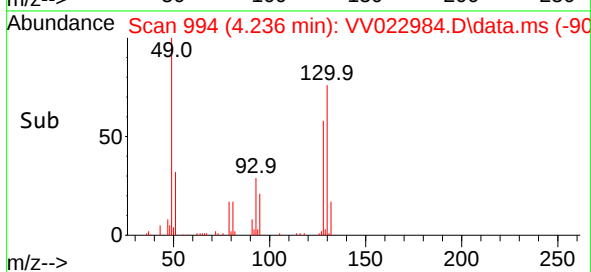
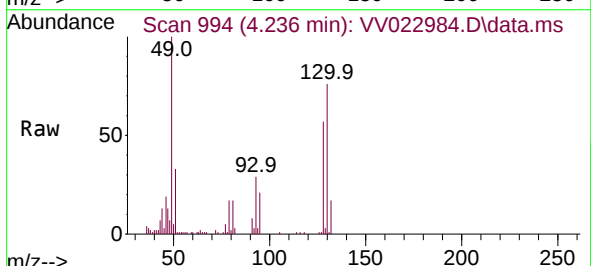
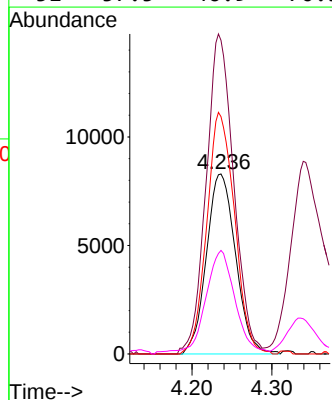
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.5 | 92.3  | 171.3 |
| 68  | 0.0   | 0.4   | 0.8   |

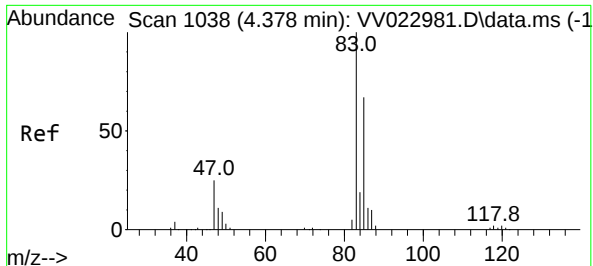


#23  
 Bromochloromethane  
 Concen: 5.111 ug/L  
 RT: 4.236 min Scan# 994  
 Delta R.T. -0.006 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

Tgt Ion: 128 Resp: 21040

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 174.2 | 126.1 | 234.3 |
| 130 | 131.8 | 95.2  | 176.8 |
| 51  | 57.5  | 46.9  | 70.3  |





#25

Chloroform

Concen: 4.842 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.013 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

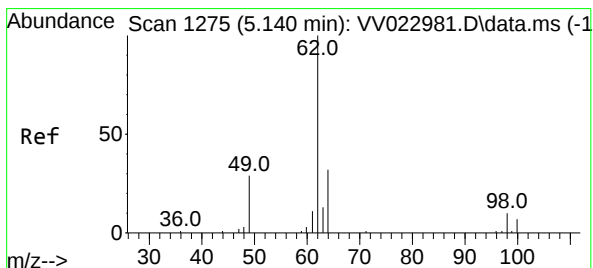
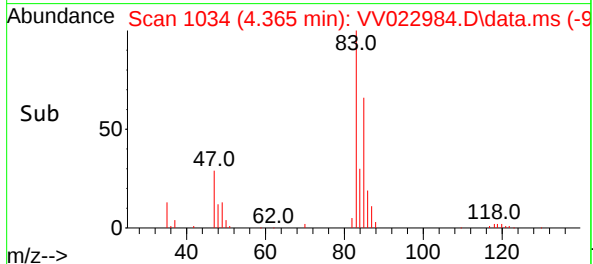
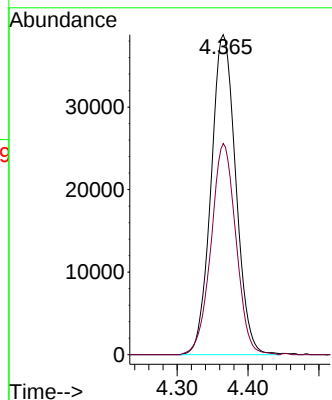
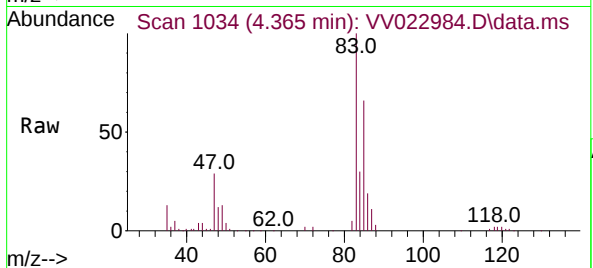
ClientSampleId :

Tgt Ion: 83 Resp: 94017

Ion Ratio Lower Upper

83 100

85 66.0 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.705 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. -0.010 min

Lab File: VV022984.D

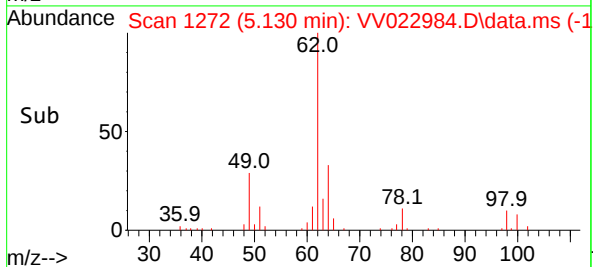
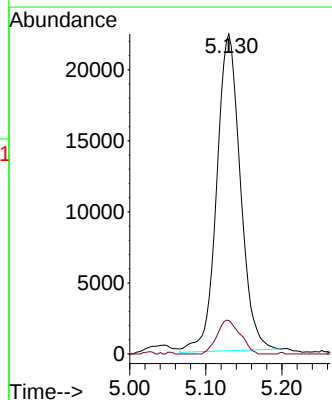
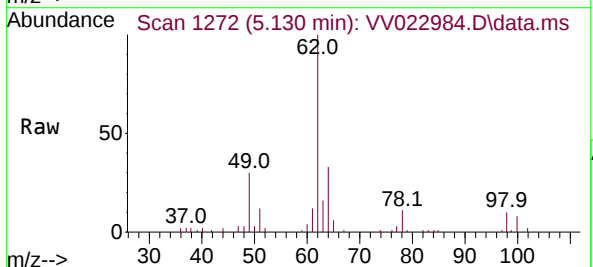
Acq: 22 Oct 2021 12:18

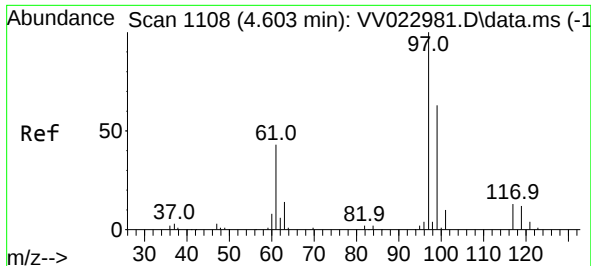
Tgt Ion: 62 Resp: 48178

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.099 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.010 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

ClientSampleId :

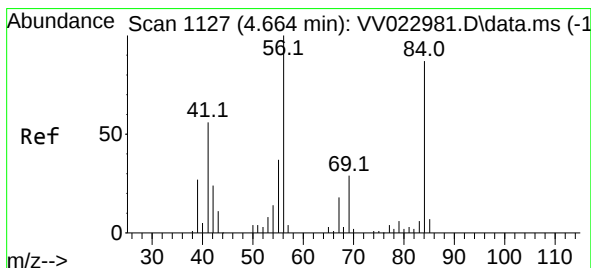
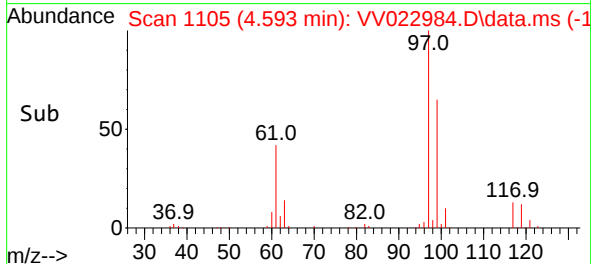
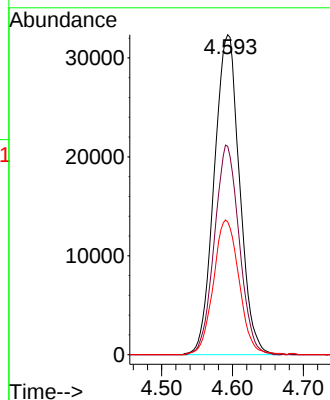
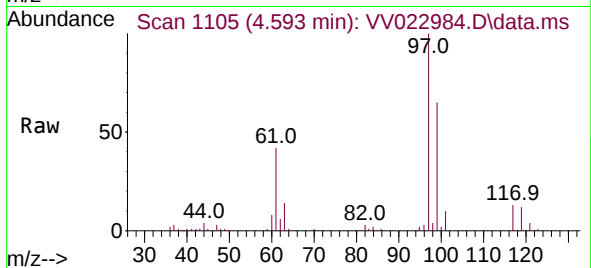
Tgt Ion: 97 Resp: 80419

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 42.7 34.1 51.1



#30

Cyclohexane

Concen: 5.535 ug/L

RT: 4.651 min Scan# 1123

Delta R.T. -0.013 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

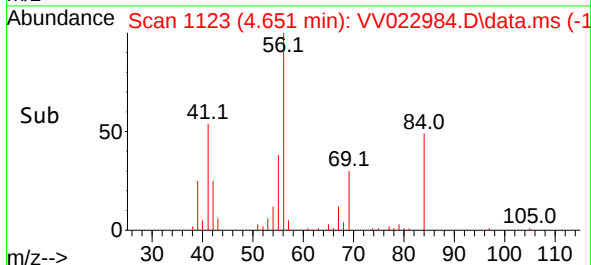
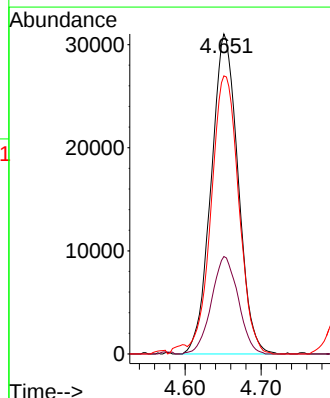
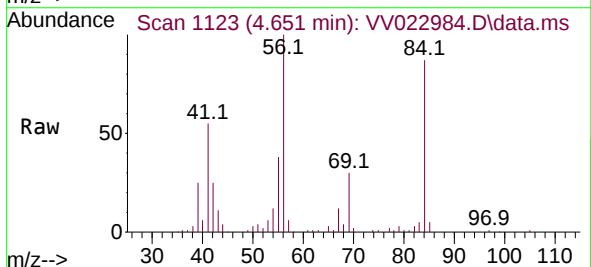
Tgt Ion: 56 Resp: 76217

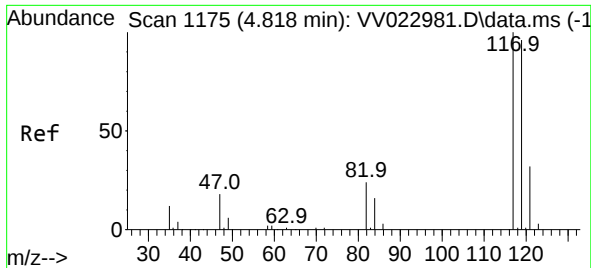
Ion Ratio Lower Upper

56 100

69 30.2 23.5 35.3

84 88.7 71.6 107.4

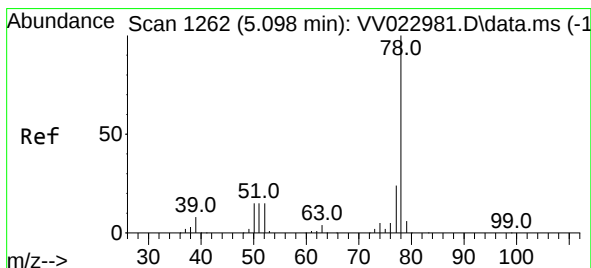
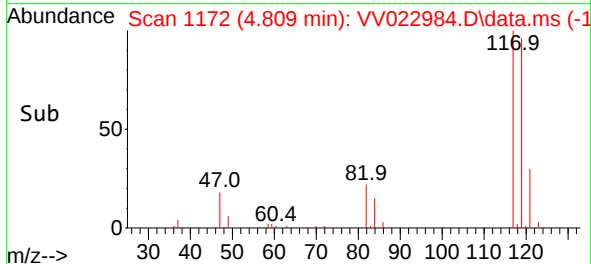
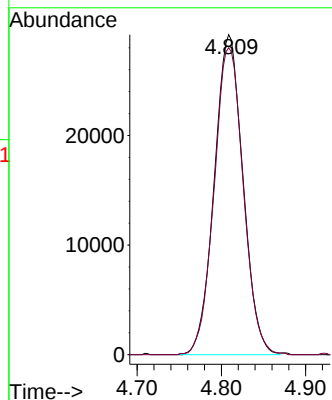
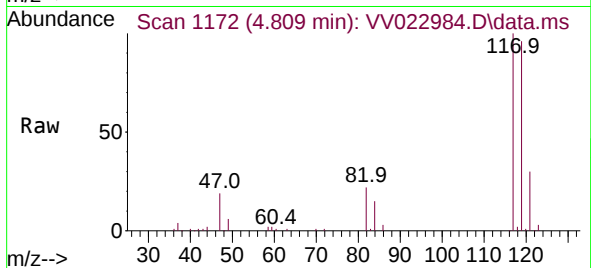




#31  
Carbon tetrachloride  
Concen: 5.079 ug/L  
RT: 4.809 min Scan# 1175  
Delta R.T. -0.010 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

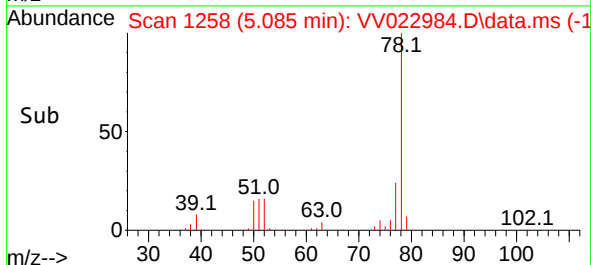
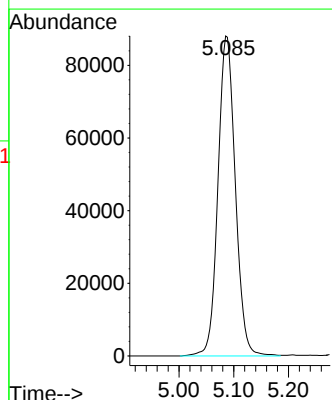
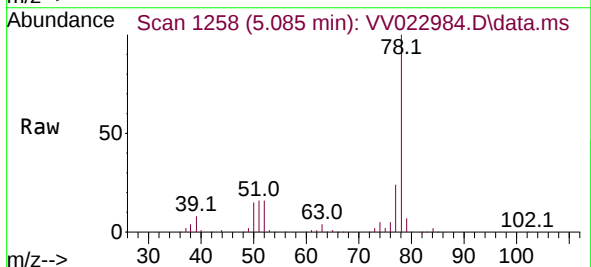
Instrument :  
MSVOA\_V  
ClientSampleId :

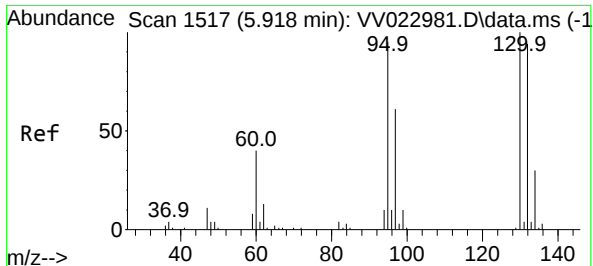
Tgt Ion:117 Resp: 68923  
Ion Ratio Lower Upper  
117 100  
119 97.8 78.8 118.2



#33  
Benzene  
Concen: 5.169 ug/L  
RT: 5.085 min Scan# 1258  
Delta R.T. -0.013 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

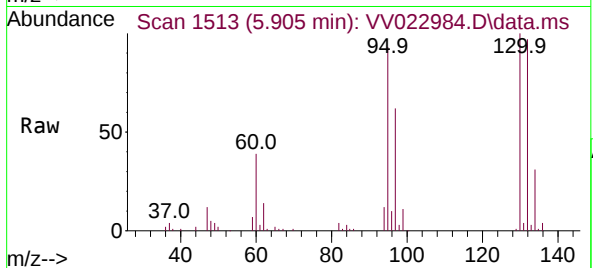
Tgt Ion: 78 Resp: 194149





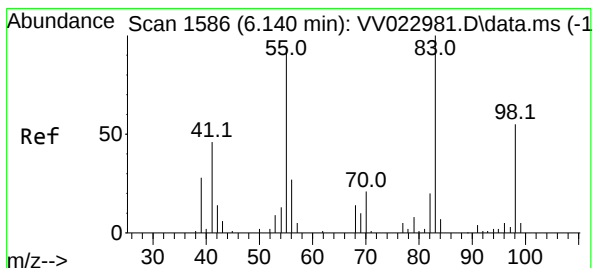
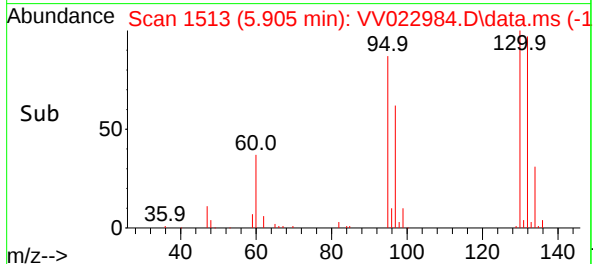
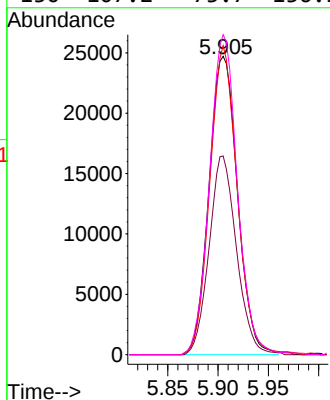
#34  
Trichloroethene  
Concen: 5.174 ug/L  
RT: 5.905 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 48819

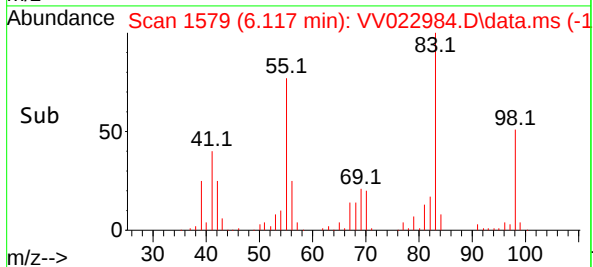
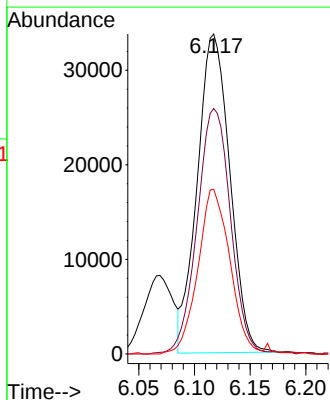
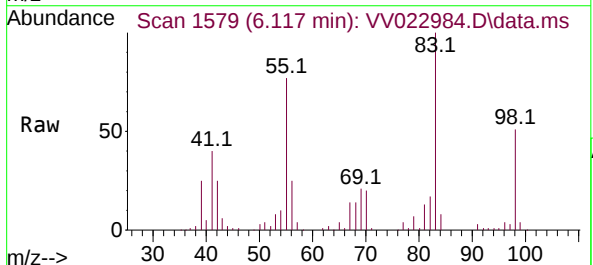
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 45.0  | 83.6  |
| 132 | 103.5 | 69.7  | 129.4 |
| 130 | 107.2 | 73.7  | 136.9 |

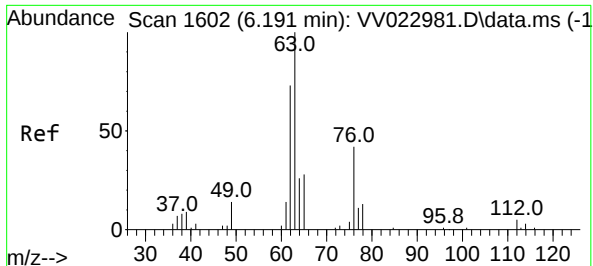


#35  
Methylcyclohexane  
Concen: 5.080 ug/L  
RT: 6.117 min Scan# 1579  
Delta R.T. -0.023 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 83 Resp: 68626

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.9  | 62.8  | 94.2  |
| 98  | 50.7  | 37.9  | 56.9  |





#37

1,2-Dichloropropane

Concen: 4.992 ug/L

RT: 6.172 min Scan# 11

Delta R.T. -0.019 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

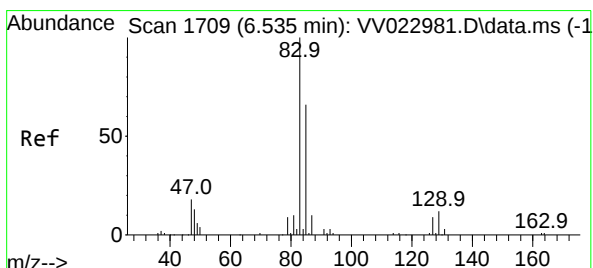
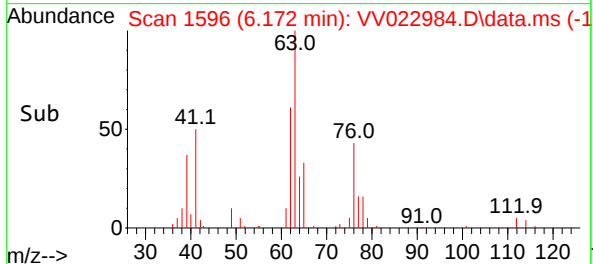
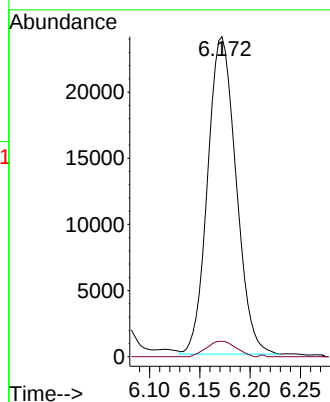
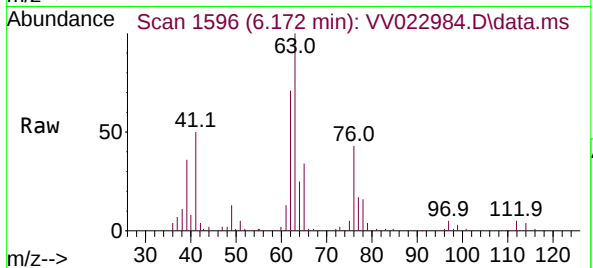
ClientSampleId :

Tgt Ion: 63 Resp: 47256

Ion Ratio Lower Upper

63 100

112 5.0 4.6 6.8



#38

Bromodichloromethane

Concen: 5.077 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.029 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

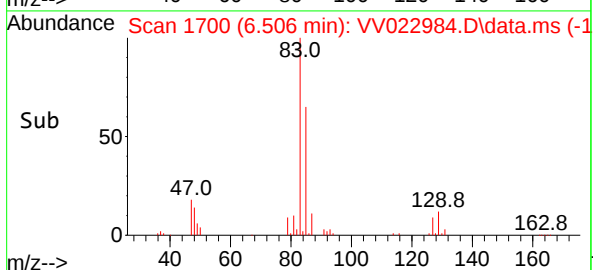
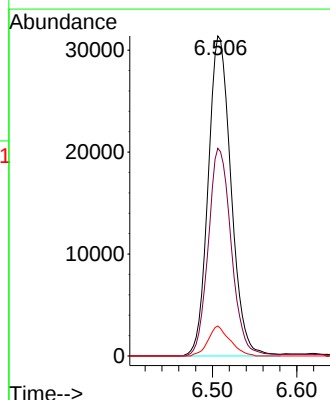
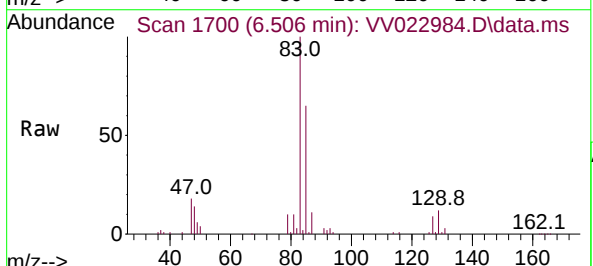
Tgt Ion: 83 Resp: 59280

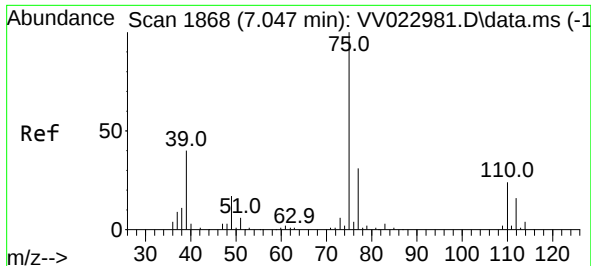
Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.7

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.092 ug/L

RT: 7.027 min Scan# 11

Delta R.T. -0.019 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

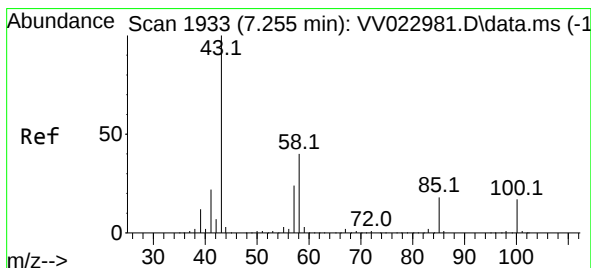
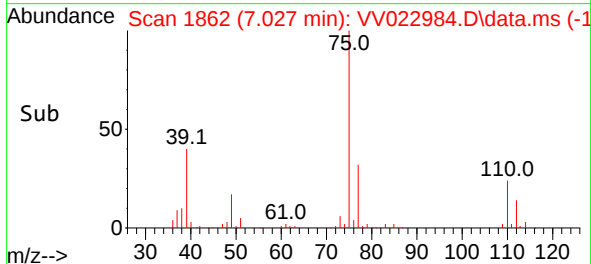
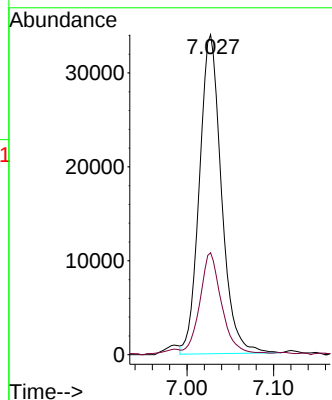
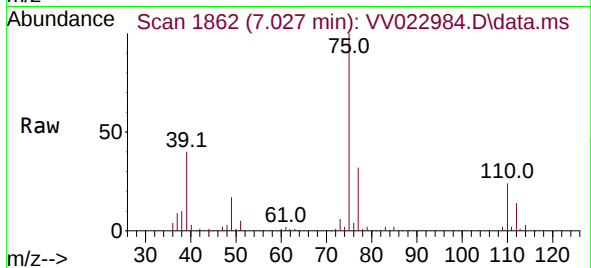
ClientSampleId :

Tgt Ion: 75 Resp: 60020

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 56.034 ug/L

RT: 7.246 min Scan# 1930

Delta R.T. -0.010 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

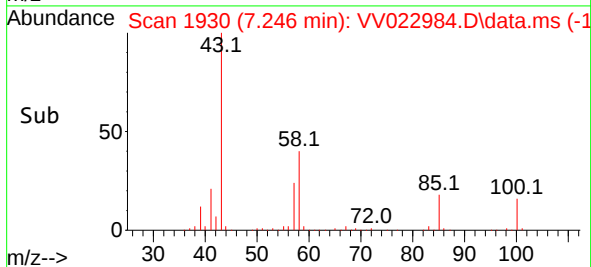
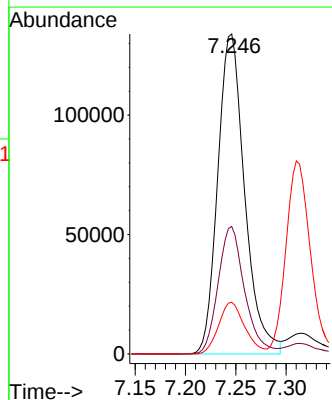
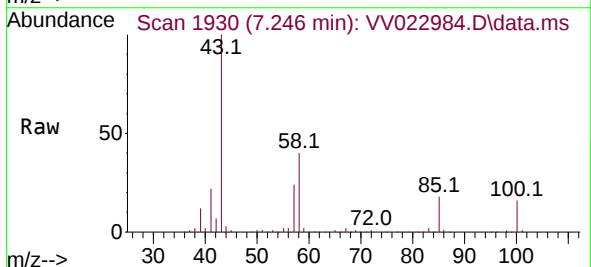
Tgt Ion: 43 Resp: 249710

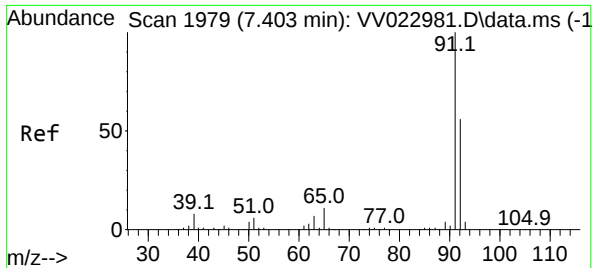
Ion Ratio Lower Upper

43 100

58 39.1 31.1 46.7

100 15.8 12.6 19.0

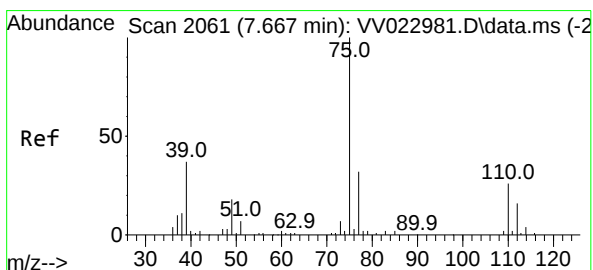
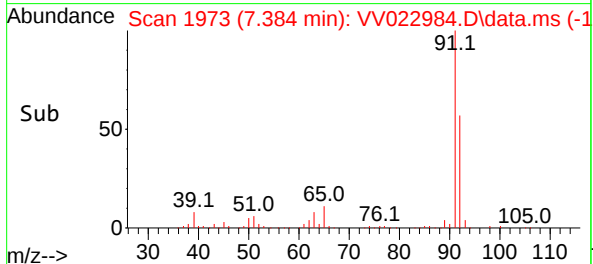
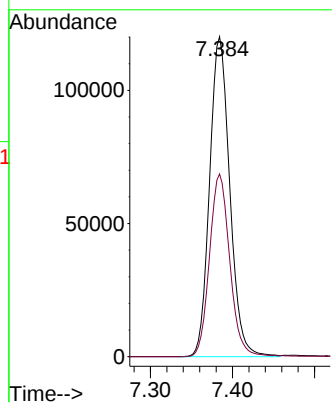
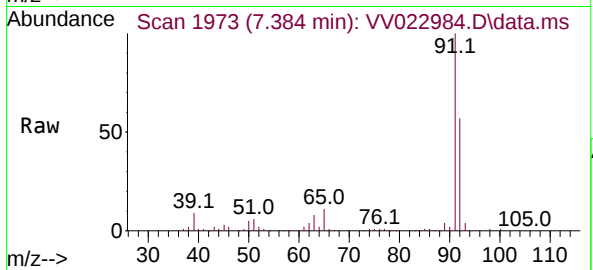




#42  
Toluene  
Concen: 5.388 ug/L  
RT: 7.384 min Scan# 1979  
Delta R.T. -0.019 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

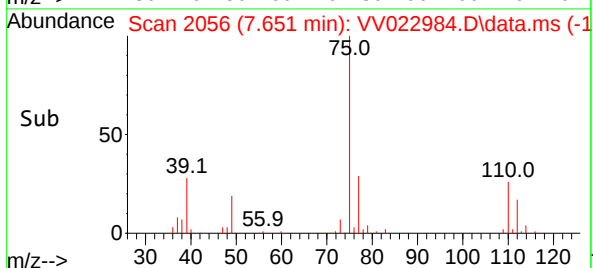
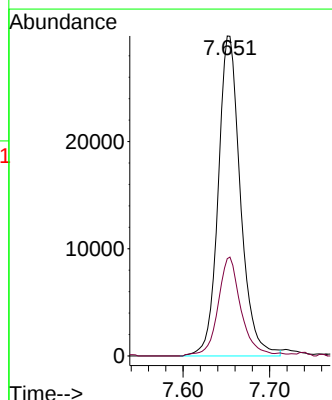
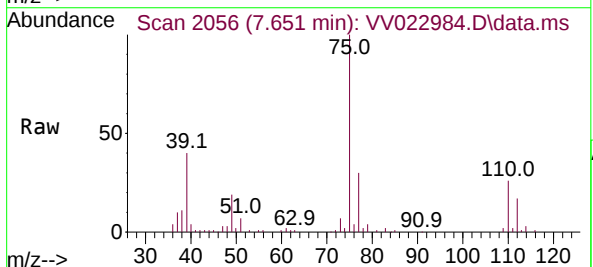
Instrument :  
MSVOA\_V  
ClientSampleId :

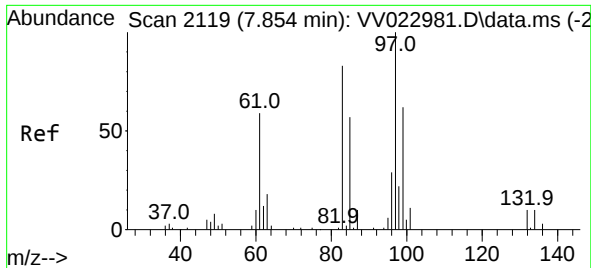
Tgt Ion: 91 Resp: 205057  
Ion Ratio Lower Upper  
91 100  
92 57.1 39.3 72.9



#44  
trans-1,3-Dichloropropene  
Concen: 5.458 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. -0.016 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 75 Resp: 53224  
Ion Ratio Lower Upper  
75 100  
77 30.4 22.5 41.7



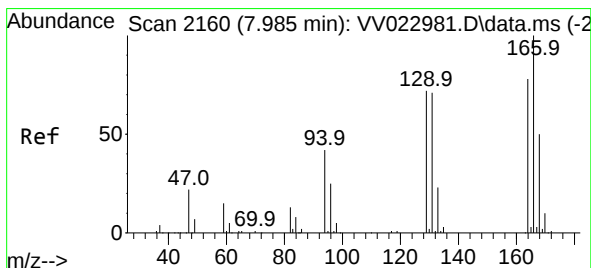
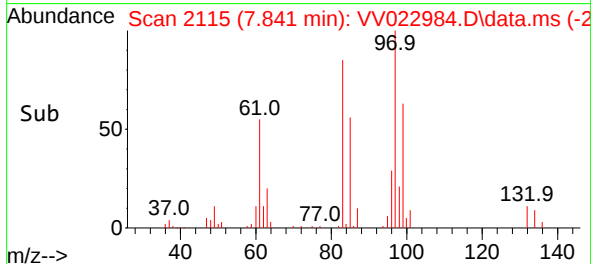
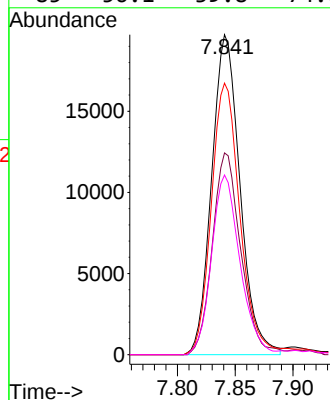
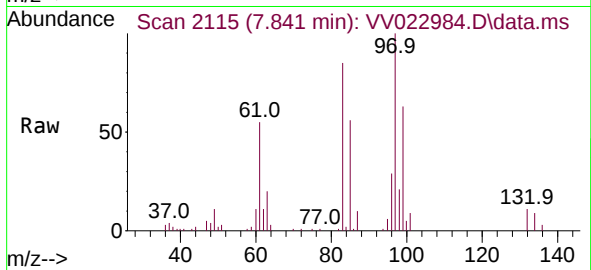


#45  
 1,1,2-Trichloroethane  
 Concen: 5.086 ug/L  
 RT: 7.841 min Scan# 2115  
 Delta R.T. -0.013 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion: 97 Resp: 33681

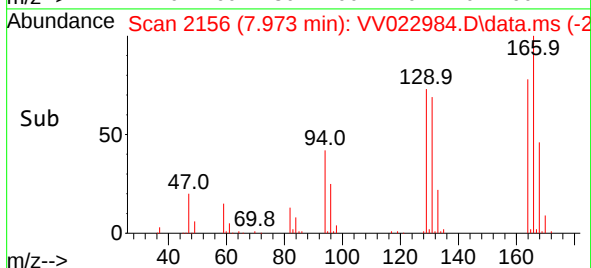
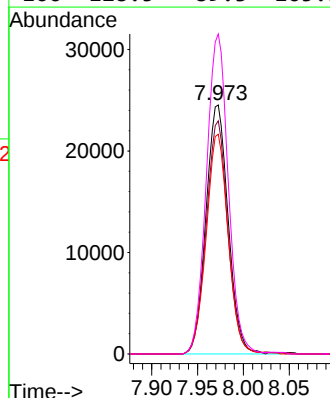
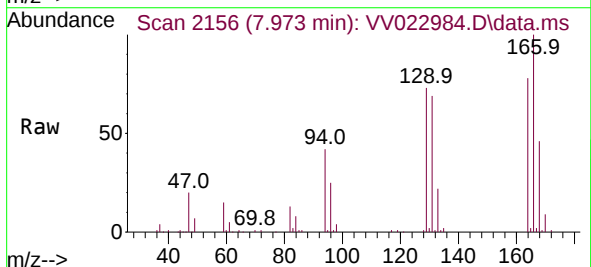
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.0  | 43.6  | 81.0  |
| 83  | 84.8  | 58.4  | 108.4 |
| 85  | 56.1  | 39.8  | 74.0  |

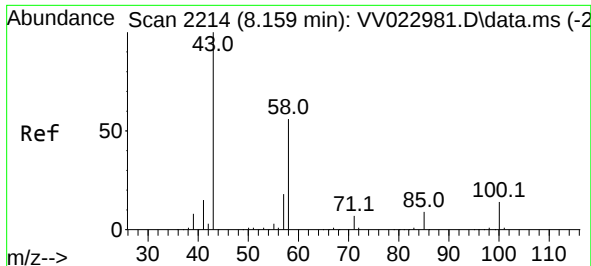


#47  
 Tetrachloroethene  
 Concen: 5.201 ug/L  
 RT: 7.973 min Scan# 2156  
 Delta R.T. -0.013 min  
 Lab File: VV022984.D  
 Acq: 22 Oct 2021 12:18

Tgt Ion: 164 Resp: 41455

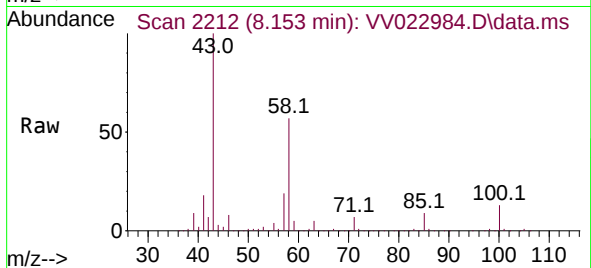
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.6  | 64.0  | 119.0 |
| 131 | 88.2  | 63.4  | 117.8 |
| 166 | 128.5 | 89.3  | 165.9 |



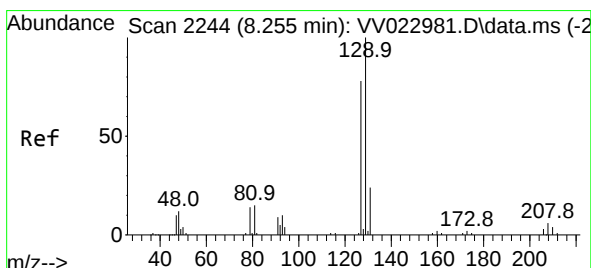
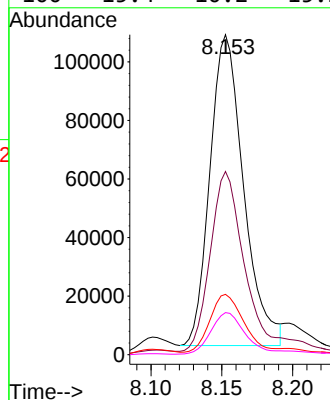
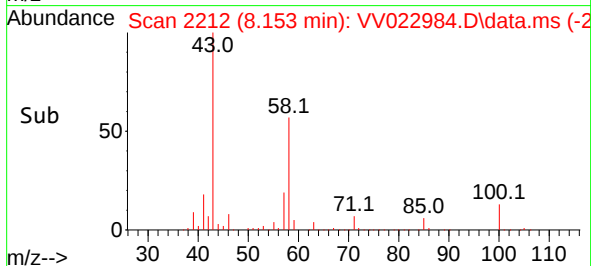


#48  
2-Hexanone  
Concen: 53.105 ug/L  
RT: 8.153 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Instrument :  
MSVOA\_V  
ClientSampleId :

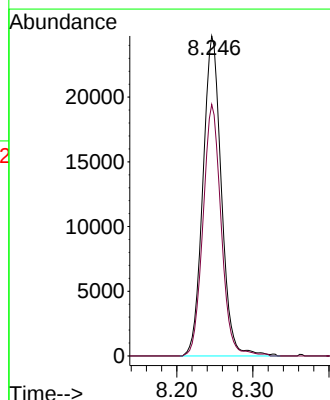
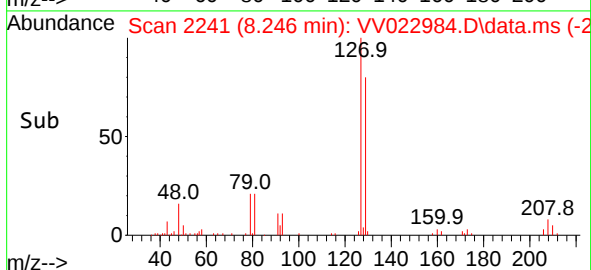
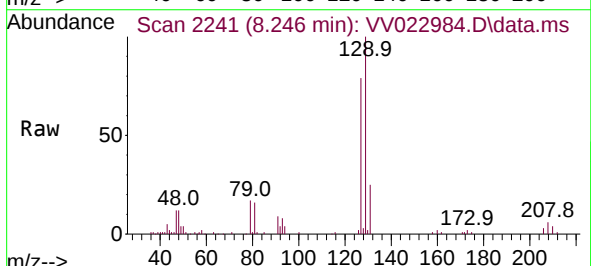


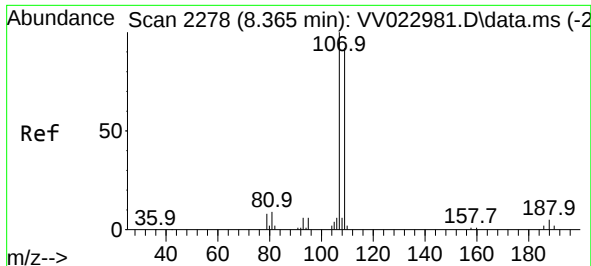
Tgt Ion: 43 Resp: 175677  
Ion Ratio Lower Upper  
43 100  
58 64.7 43.7 65.5  
57 18.4 14.1 21.1  
100 15.4 10.2 15.2#



#49  
Dibromochloromethane  
Concen: 5.296 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.010 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion:129 Resp: 41732  
Ion Ratio Lower Upper  
129 100  
127 78.6 54.7 101.7





#50

1,2-Dibromoethane

Concen: 5.434 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.013 min

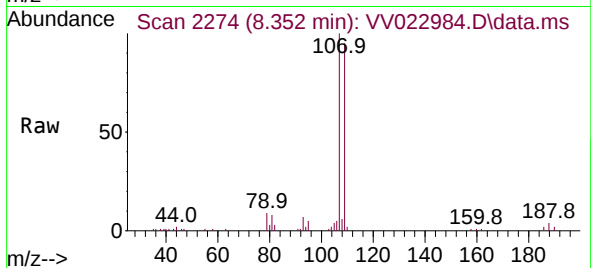
Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

ClientSampleId :



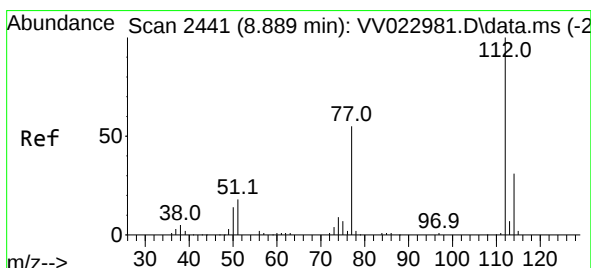
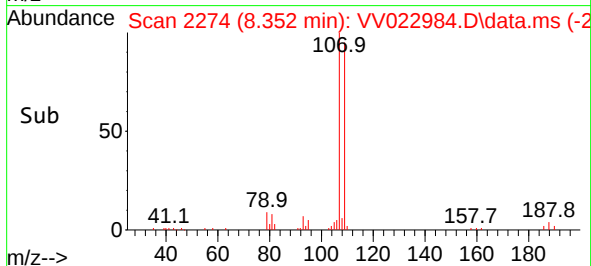
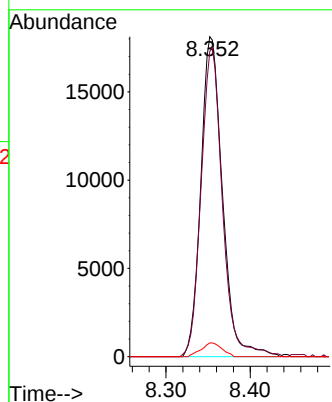
Tgt Ion:107 Resp: 32396

Ion Ratio Lower Upper

107 100

109 95.4 64.7 120.1

188 4.3 3.6 5.4



#51

Chlorobenzene

Concen: 5.217 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.010 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

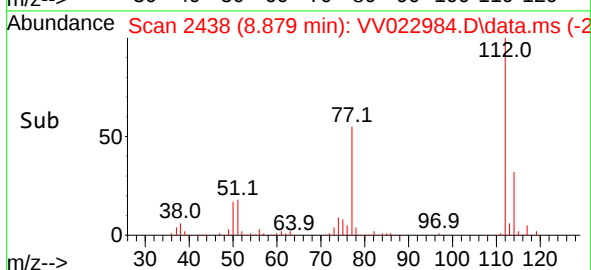
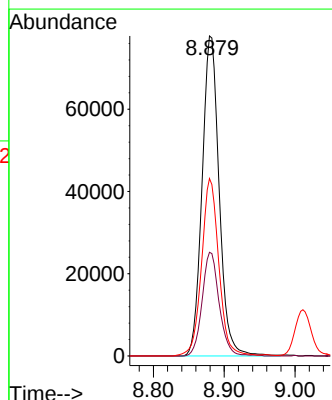
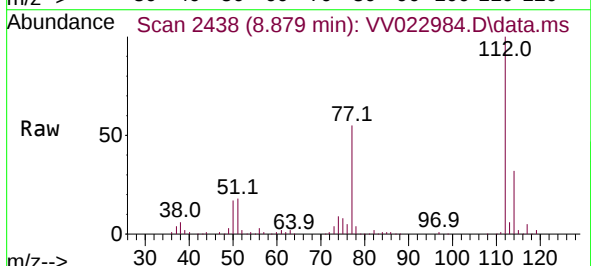
Tgt Ion:112 Resp: 130427

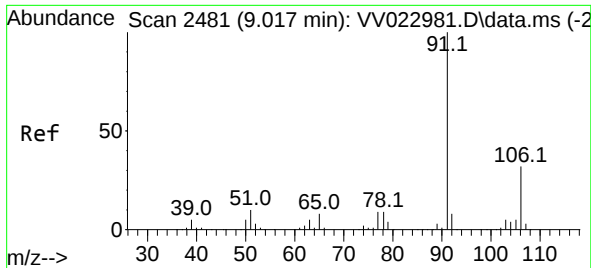
Ion Ratio Lower Upper

112 100

114 32.4 22.0 40.8

77 55.5 44.4 66.6





#52

Ethylbenzene

Concen: 5.195 ug/L

RT: 9.011 min Scan# 24

Delta R.T. -0.006 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

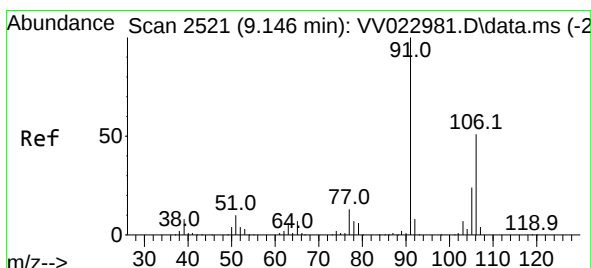
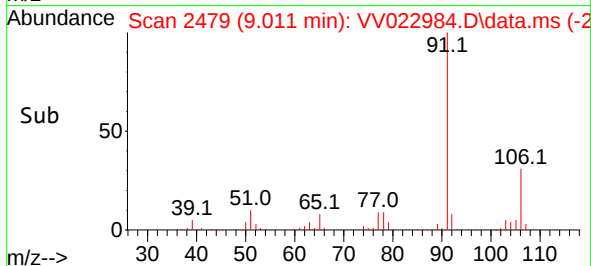
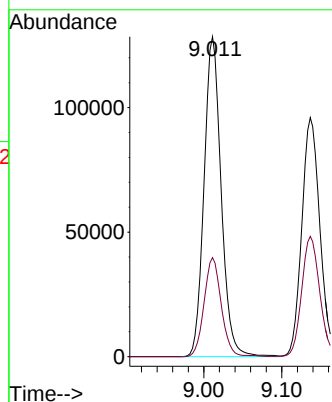
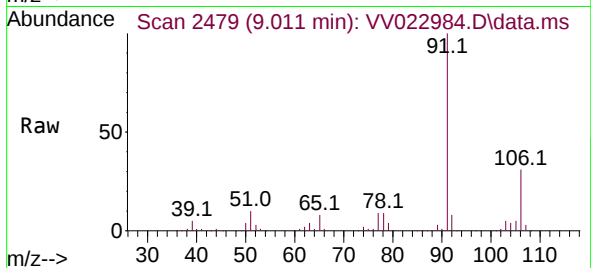
ClientSampleId :

Tgt Ion: 91 Resp: 196238

Ion Ratio Lower Upper

91 100

106 31.0 22.5 41.9



#53

m,p-xylene

Concen: 5.151 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.010 min

Lab File: VV022984.D

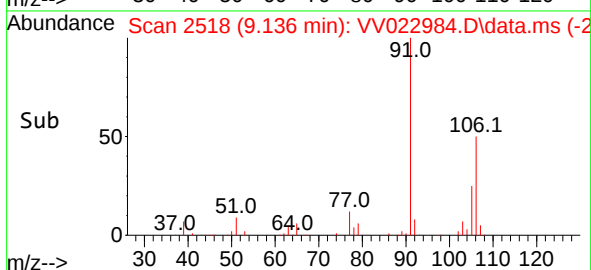
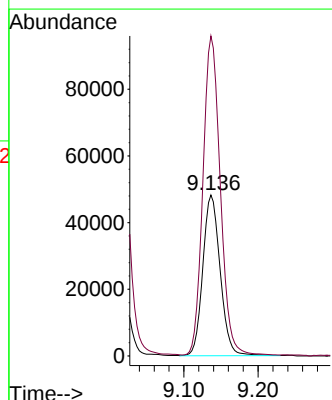
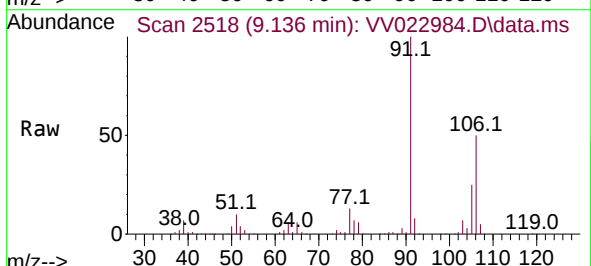
Acq: 22 Oct 2021 12:18

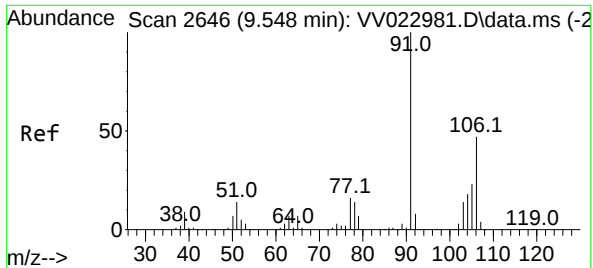
Tgt Ion:106 Resp: 78028

Ion Ratio Lower Upper

106 100

91 198.8 137.2 254.8

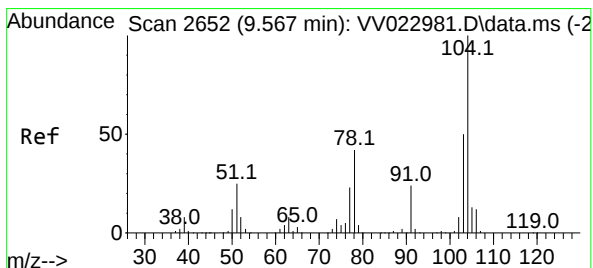
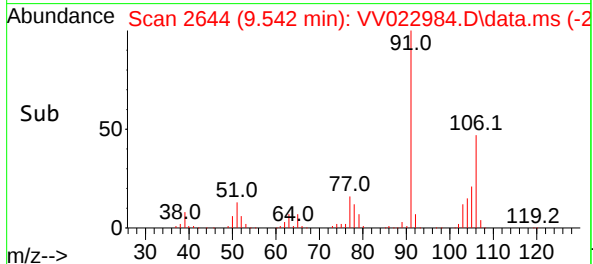
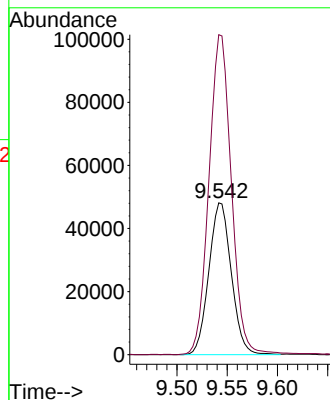
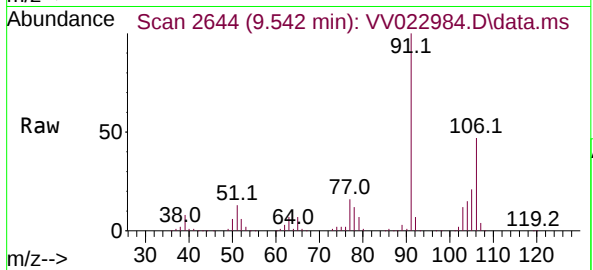




#54  
o-xylene  
Concen: 5.246 ug/L  
RT: 9.542 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

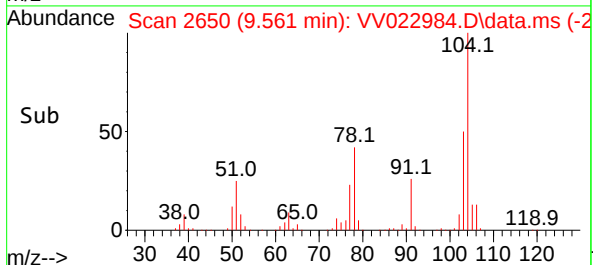
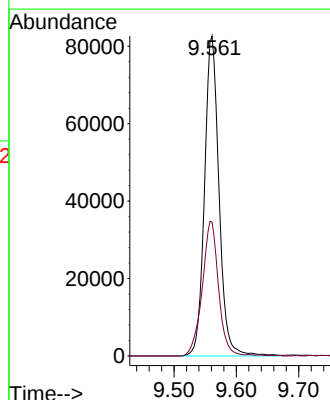
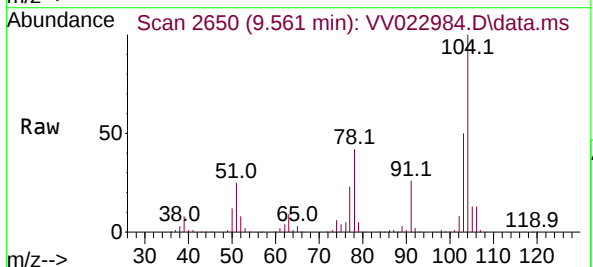
Instrument :  
MSVOA\_V  
ClientSampleId :

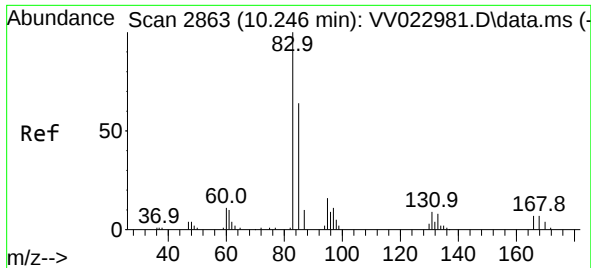
Tgt Ion:106 Resp: 74820  
Ion Ratio Lower Upper  
106 100  
91 210.7 148.3 275.5



#55  
Styrene  
Concen: 5.439 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.006 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion:104 Resp: 133959  
Ion Ratio Lower Upper  
104 100  
78 41.8 29.3 54.3

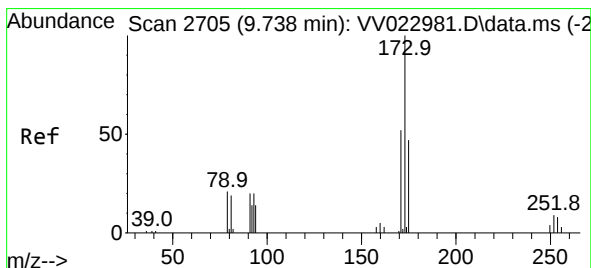
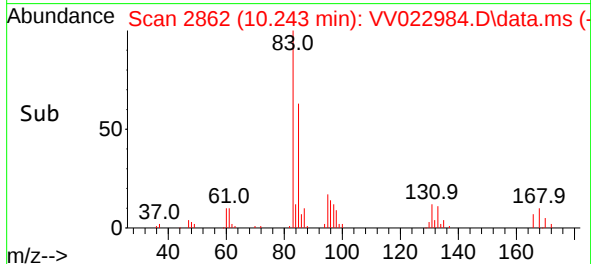
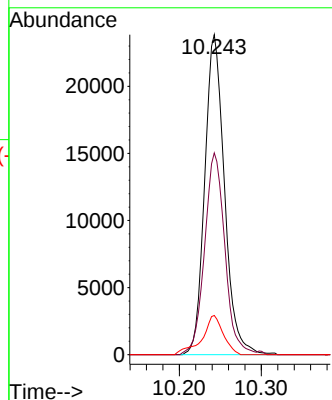
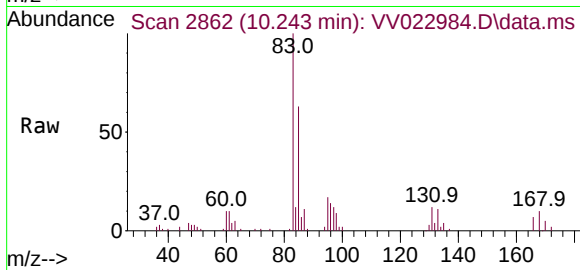




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.387 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. -0.003 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

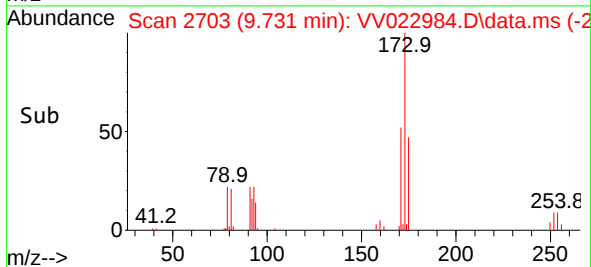
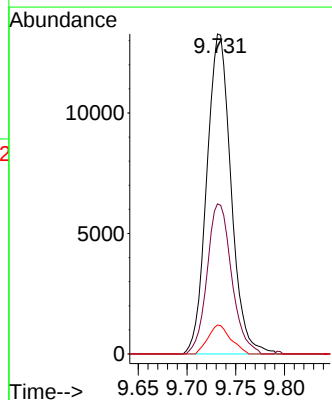
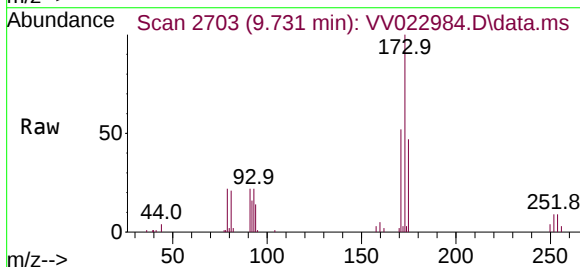
Instrument :  
MSVOA\_V  
ClientSampleId :

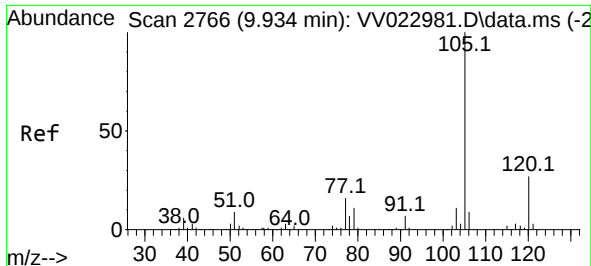
Tgt Ion: 83 Resp: 39877  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.1 83.9  
131 12.3 7.8 11.6#



#59  
Bromoform  
Concen: 5.195 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. -0.006 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion:173 Resp: 23000  
Ion Ratio Lower Upper  
173 100  
175 47.4 38.2 57.2  
254 8.4 6.2 9.2

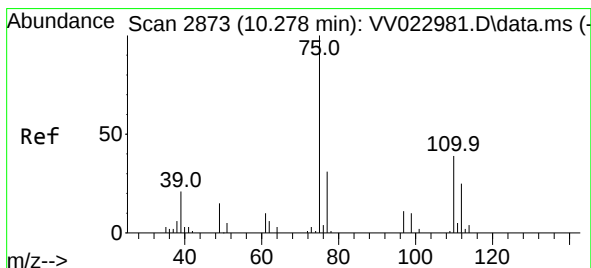
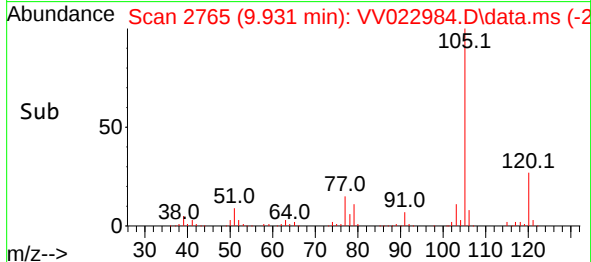
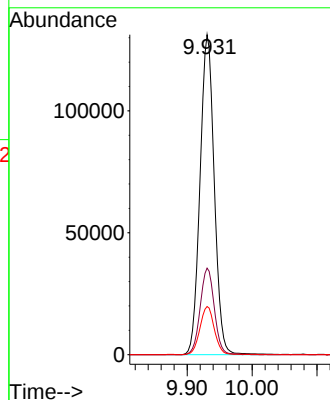
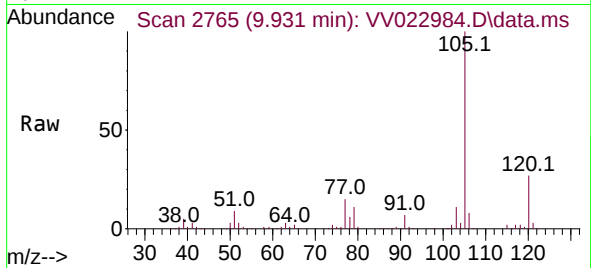




#60  
Isopropylbenzene  
Concen: 5.225 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

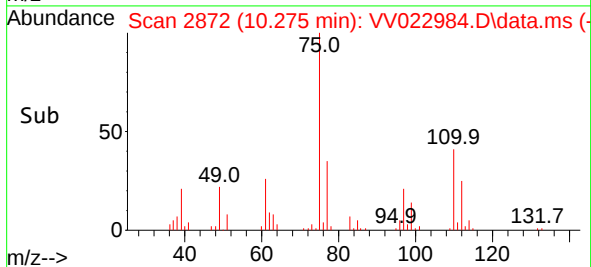
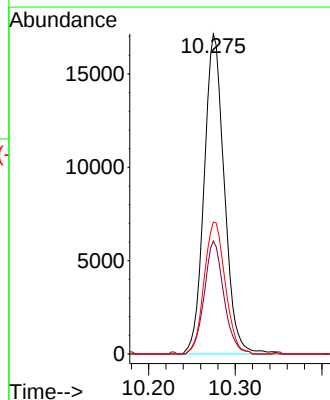
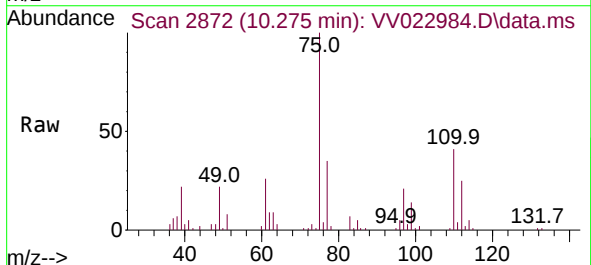
Instrument :  
MSVOA\_V  
ClientSampleId :

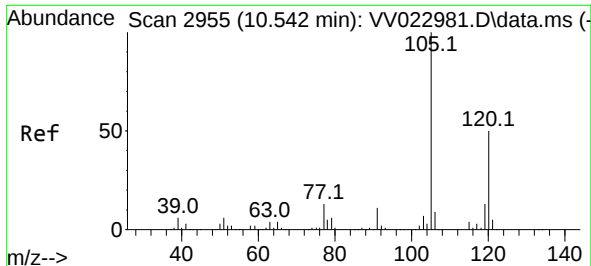
Tgt Ion:105 Resp: 200751  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.7 32.5  
77 15.2 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 5.185 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. -0.003 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 75 Resp: 27728  
Ion Ratio Lower Upper  
75 100  
77 34.3 26.6 39.8  
110 43.1 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.033 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

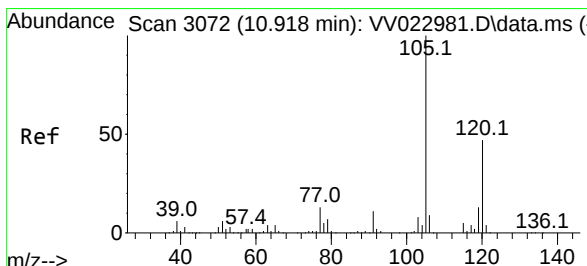
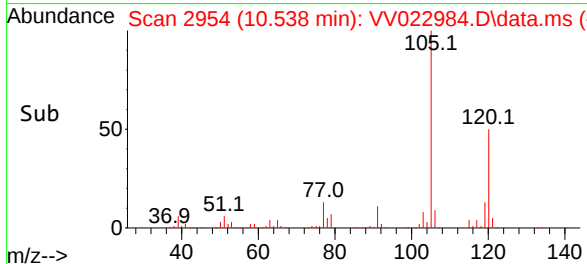
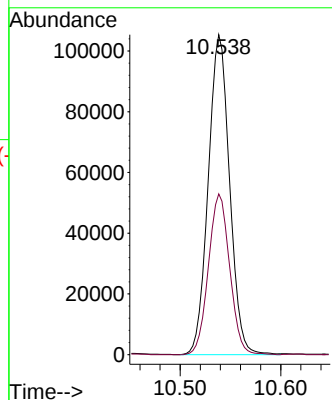
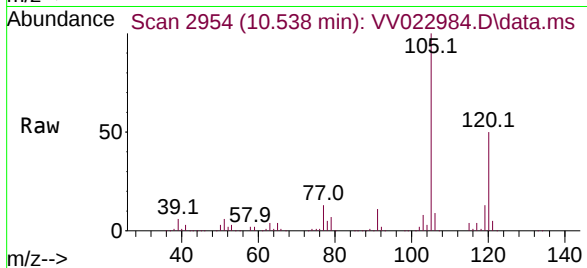
ClientSampleId :

Tgt Ion:105 Resp: 155318

Ion Ratio Lower Upper

105 100

120 50.0 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.213 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. -0.003 min

Lab File: VV022984.D

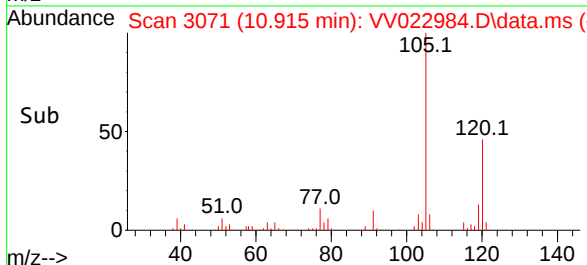
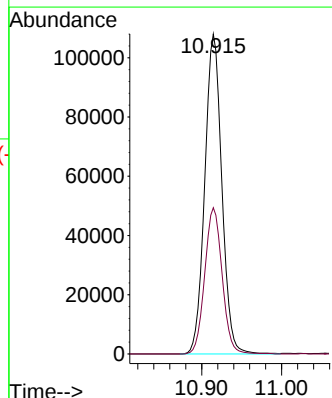
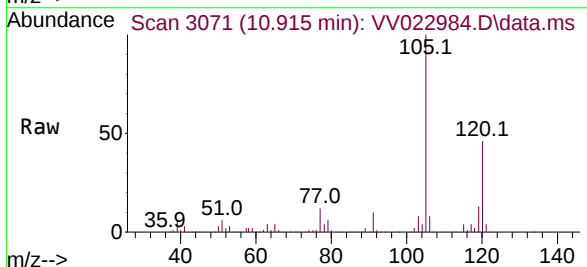
Acq: 22 Oct 2021 12:18

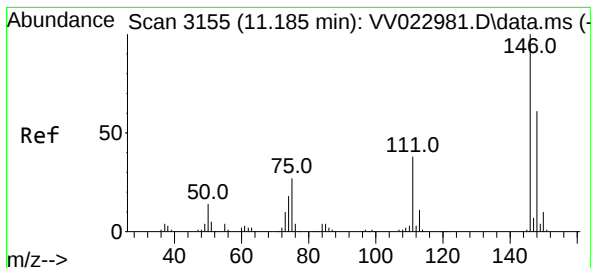
Tgt Ion:105 Resp: 160590

Ion Ratio Lower Upper

105 100

120 46.6 37.4 56.2





#64

1,3-Dichlorobenzene

Concen: 5.180 ug/L

RT: 11.181 min Scan# 3155

Delta R.T. -0.003 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

ClientSampleId :

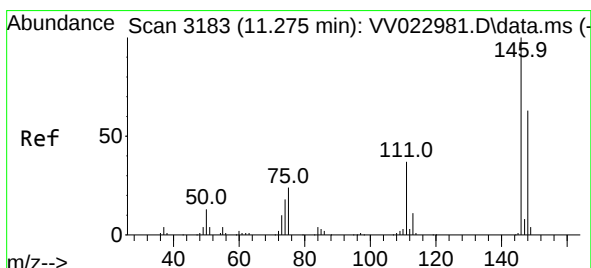
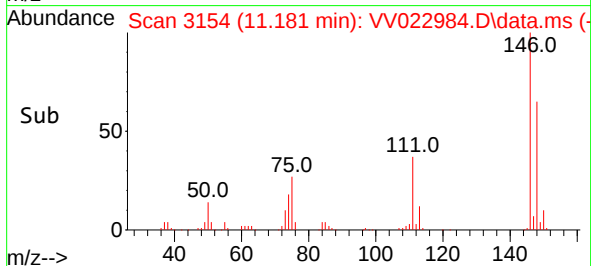
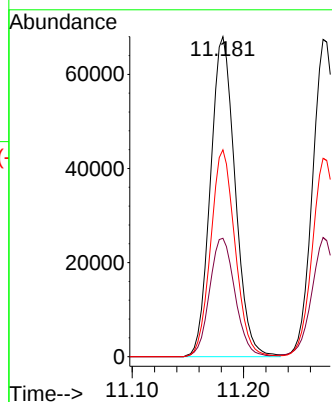
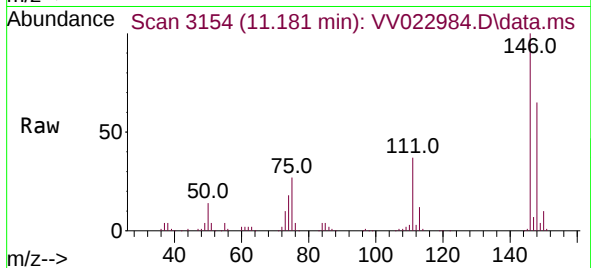
Tgt Ion:146 Resp: 104731

Ion Ratio Lower Upper

146 100

111 37.0 26.7 49.7

148 64.7 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 5.139 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

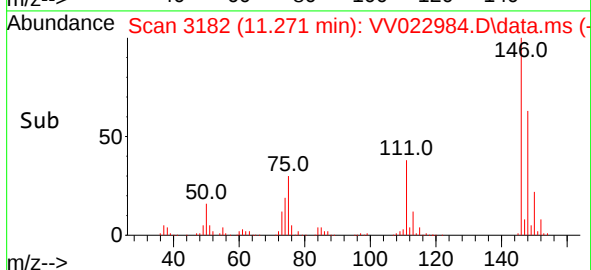
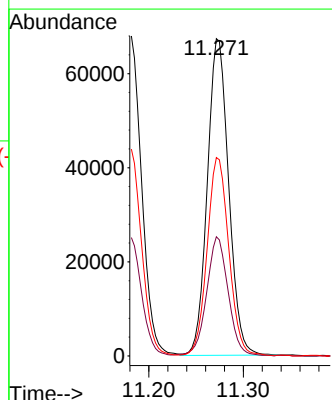
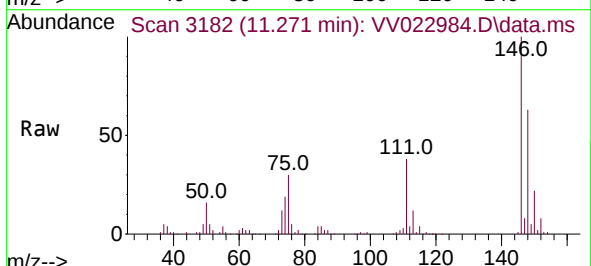
Tgt Ion:146 Resp: 105542

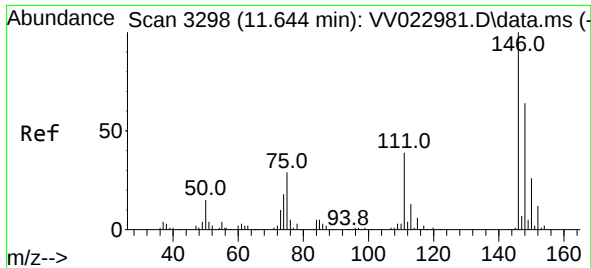
Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.8

148 62.6 44.4 82.5

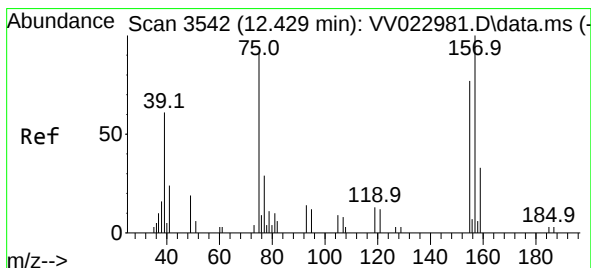
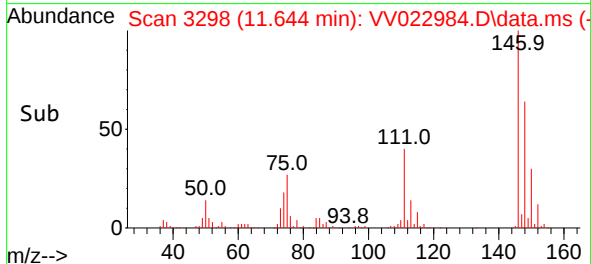
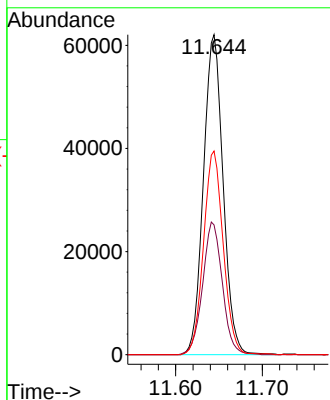
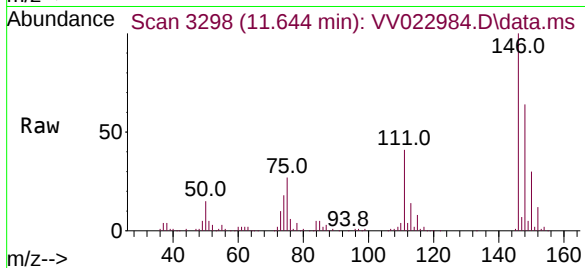




#67  
1,2-Dichlorobenzene  
Concen: 5.206 ug/L  
RT: 11.644 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

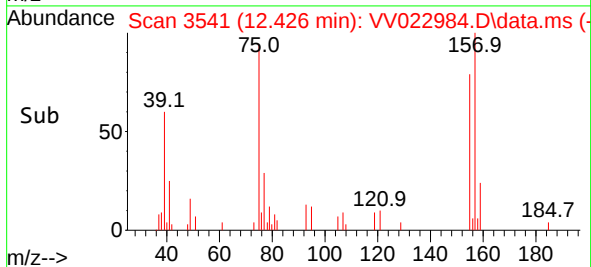
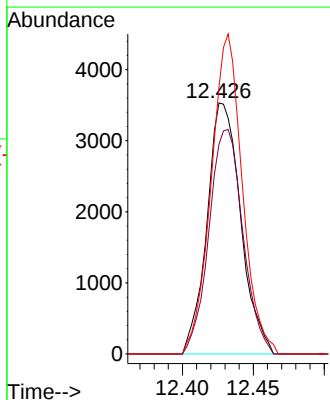
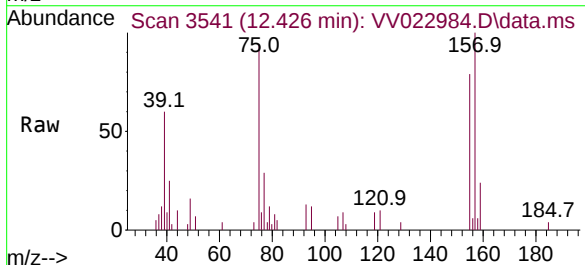
Instrument :  
MSVOA\_V  
ClientSampleId :

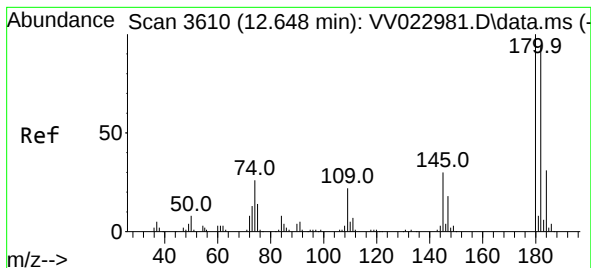
Tgt Ion:146 Resp: 97984  
Ion Ratio Lower Upper  
146 100  
111 40.6 31.6 47.4  
148 63.6 51.0 76.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.529 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. -0.003 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Tgt Ion: 75 Resp: 5834  
Ion Ratio Lower Upper  
75 100  
155 83.6 67.7 101.5  
157 106.4 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 5.116 ug/L

RT: 12.644 min Scan# 3610

Delta R.T. -0.003 min

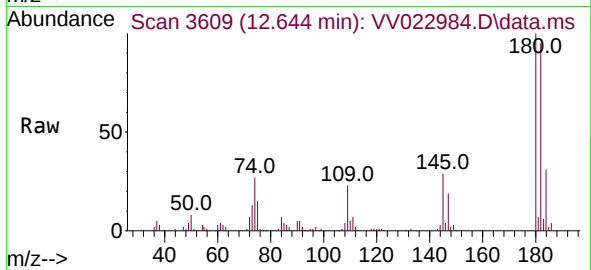
Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 78775

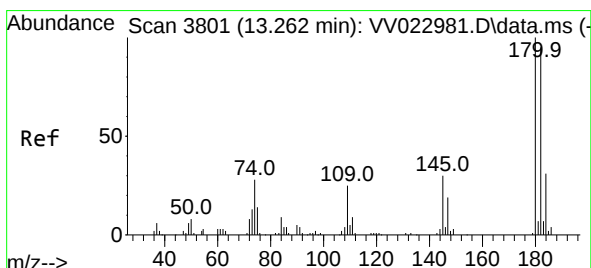
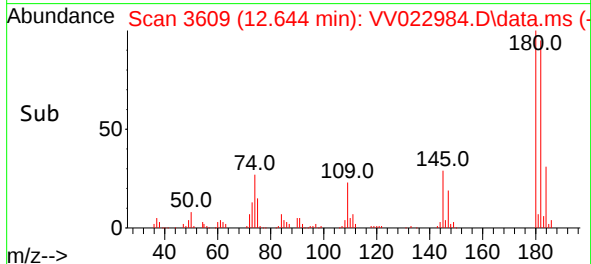
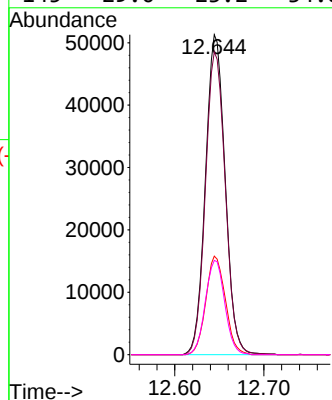
Ion Ratio Lower Upper

180 100

182 95.4 74.9 112.3

184 30.6 23.8 35.8

145 29.0 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.323 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV022984.D

Acq: 22 Oct 2021 12:18

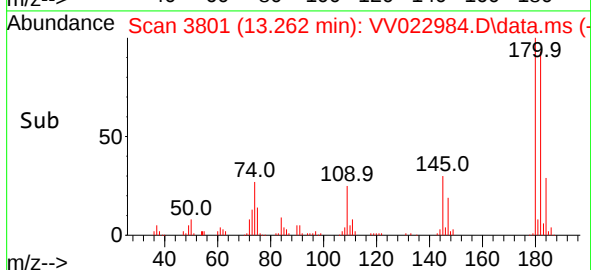
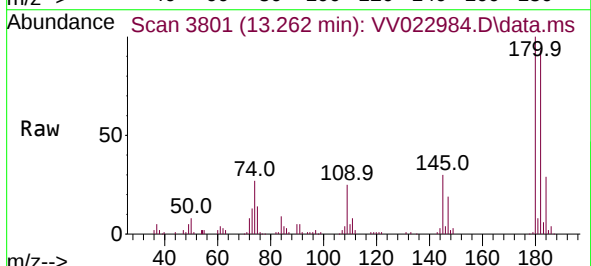
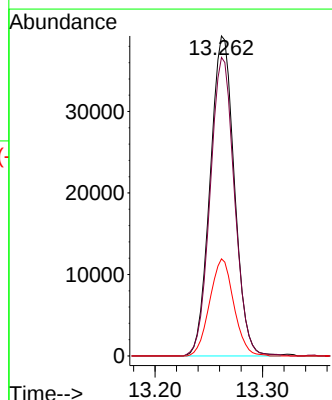
Tgt Ion:180 Resp: 61336

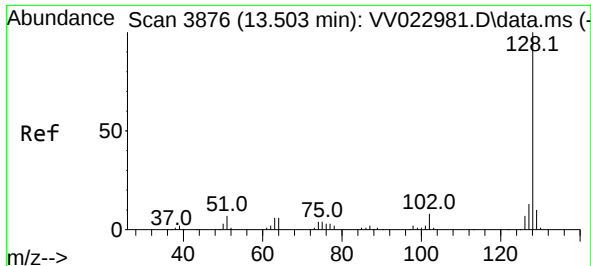
Ion Ratio Lower Upper

180 100

182 93.6 76.9 115.3

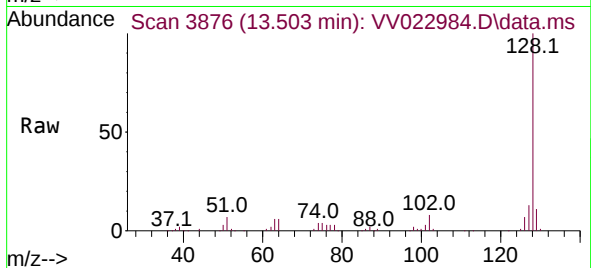
145 30.2 24.4 36.6



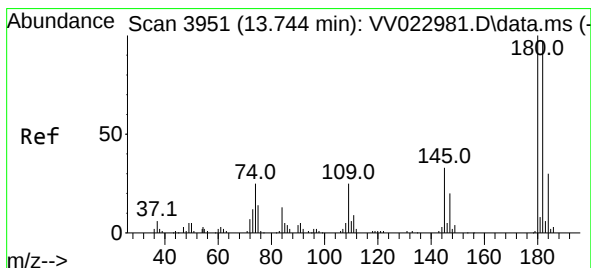
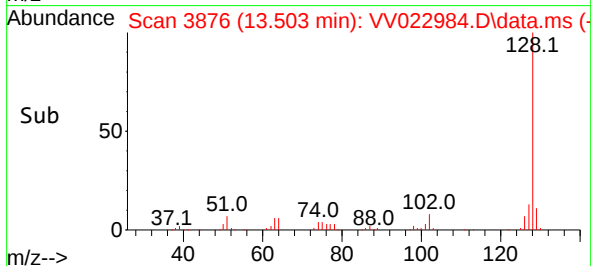
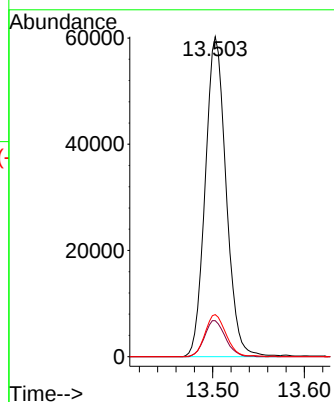


#71  
Naphthalene  
Concen: 5.438 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

Instrument :  
MSVOA\_V  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 95266 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.3  | 8.6   | 13.0  |
| 127       | 13.2  | 10.5  | 15.7  |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.331 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV022984.D  
Acq: 22 Oct 2021 12:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 57020 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.6  | 76.7  | 115.1 |
| 145       | 32.6  | 25.7  | 38.5  |

