

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100323\  
 Data File : VW032207.D  
 Acq On : 03 Oct 2023 09:15  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 04 02:46:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 03 01:57:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.535          | 114  | 223180     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786          | 117  | 220003     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 121001     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 50613      | 36.646   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 73.300%  |       |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 47414      | 39.801   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 79.600%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 23467      | 38.911   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 77.820%  |       |          |
| 21) 2-Butanone-d5             | 3.786          | 46   | 107305     | 86.405   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 86.400%  |       |          |
| 24) Chloroform-d              | 4.249          | 84   | 124111     | 42.942   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.880%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.944          | 65   | 74982      | 43.118   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.240%  |       |          |
| 32) Benzene-d6                | 4.960          | 84   | 230693     | 39.888   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 79.780%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.989          | 67   | 79432      | 41.157   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 82.320%  |       |          |
| 41) Toluene-d8                | 7.246          | 98   | 206486     | 39.135   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 78.280%# |       |          |
| 43) trans-1,3-Dichloroprop... | 7.555          | 79   | 34638      | 37.726   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 75.460%  |       |          |
| 47) 2-Hexanone-d5             | 8.027          | 63   | 66082      | 79.289   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 79.290%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156         | 84   | 115975     | 42.250   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 84.500%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564         | 152  | 88418      | 40.294   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 80.580%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105          | 85   | 90033      | 47.640   | ug/L  | 100      |
| 3) Chloromethane              | 1.217          | 50   | 98382      | 48.007   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.281          | 62   | 96947      | 48.027   | ug/L  | 99       |
| 6) Bromomethane               | 1.484          | 94   | 58866      | 51.396   | ug/L  | 97       |
| 8) Chloroethane               | 1.545          | 64   | 59531      | 47.376   | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.712          | 101  | 127231     | 49.108   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069          | 101  | 77018      | 49.299   | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.069          | 96   | 71384      | 49.383   | ug/L  | 91       |
| 13) Acetone                   | 2.111          | 43   | 79236      | 68.201   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.240          | 76   | 216744     | 46.853   | ug/L  | 99       |
| 15) Methyl Acetate            | 2.371          | 43   | 113354     | 54.689   | ug/L  | 99       |
| 16) Methylene chloride        | 2.445          | 84   | 88011      | 48.223   | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 2.693          | 96   | 76037      | 46.664   | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 2.703          | 73   | 255033     | 46.781   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.111          | 63   | 152401     | 47.699   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.815          | 96   | 86944      | 47.388   | ug/L  | 98       |
| 22) 2-Butanone                | 3.867          | 43   | 115979     | 74.357   | ug/L  | 100      |
| 23) Bromochloromethane        | 4.150          | 128  | 43987      | 47.867   | ug/L  | 96       |
| 25) Chloroform                | 4.275          | 83   | 149893     | 48.060   | ug/L  | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

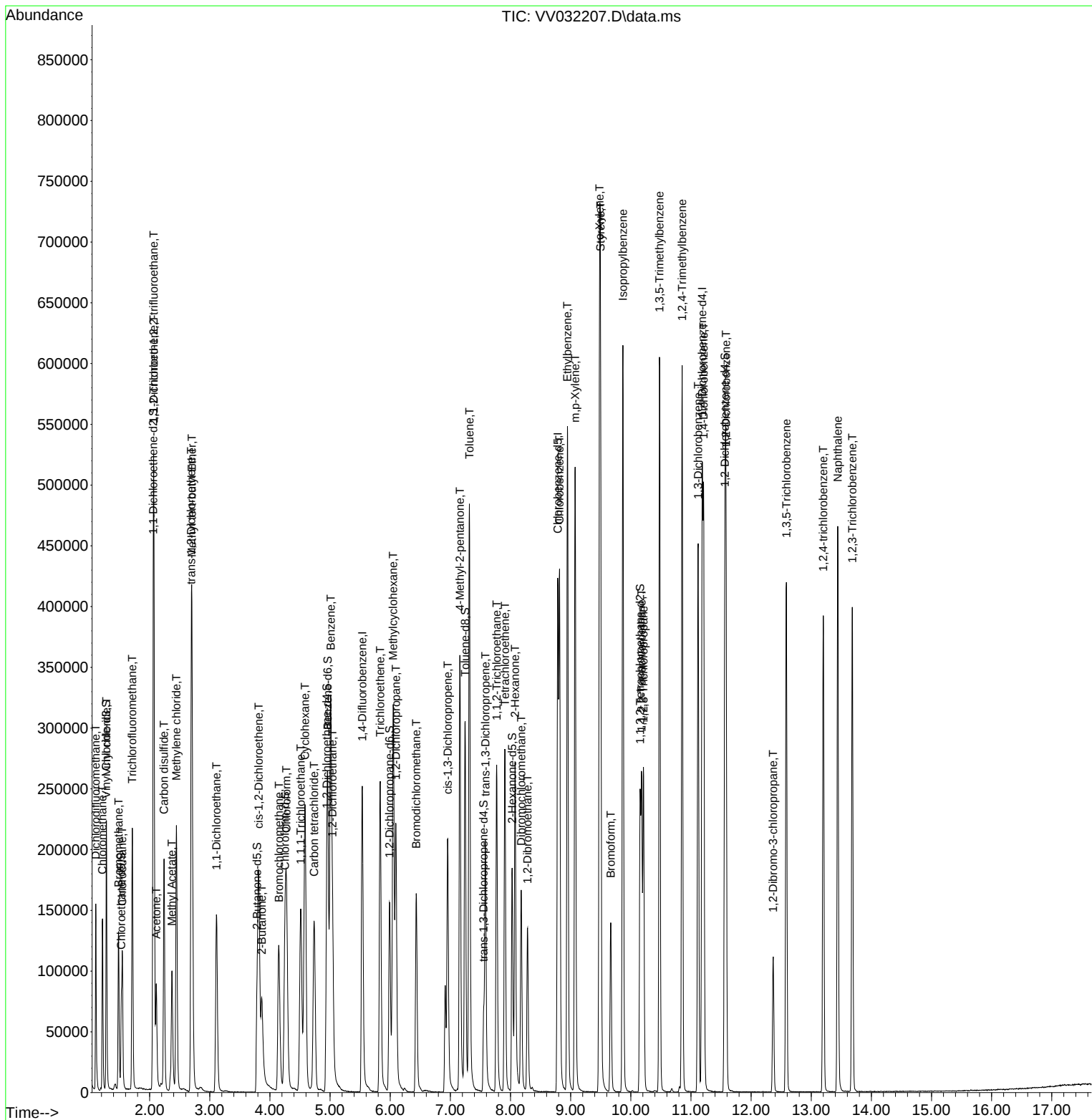
Instrument :  
 MSVOA\_V  
 ClientSampleId :

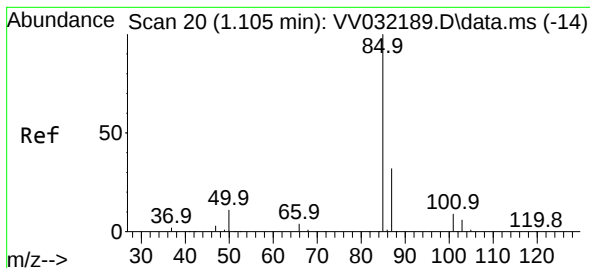
Quant Time: Oct 04 02:46:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 03 01:57:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 110858   | 47.027 | ug/L  | 99       |
| 29) Cyclohexane               | 4.584  | 56   | 138486   | 45.091 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 128336   | 46.781 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 111094   | 46.891 | ug/L  | 98       |
| 33) Benzene                   | 5.011  | 78   | 324317   | 46.214 | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 93081    | 48.177 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 130570   | 42.269 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 86834    | 45.094 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 114327   | 47.231 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 131282   | 42.990 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 256165   | 89.258 | ug/L  | 99       |
| 42) Toluene                   | 7.317  | 91   | 349984   | 46.711 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 120434   | 43.065 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 84475    | 45.990 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.908  | 164  | 64115    | 45.666 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 176062   | 78.531 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 85964    | 47.070 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 90459    | 46.250 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.815  | 112  | 223169   | 46.163 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 385795   | 46.097 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 143185   | 45.919 | ug/L  | 99       |
| 54) o-Xylene                  | 9.481  | 106  | 141053   | 45.918 | ug/L  | 99       |
| 55) Styrene                   | 9.497  | 104  | 249999   | 47.704 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 126506   | 44.200 | ug/L  | 99       |
| 59) Bromoform                 | 9.667  | 173  | 63408    | 47.159 | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.870  | 105  | 389176   | 46.211 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 105352   | 44.790 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 315575   | 45.609 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 310064   | 45.558 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 179310   | 45.542 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 181741   | 45.696 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 176971   | 45.697 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 26848    | 41.340 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 124322   | 43.608 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 116369   | 43.402 | ug/L  | 100      |
| 71) Naphthalene               | 13.442 | 128  | 346654   | 39.250 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 117782   | 44.214 | ug/L  | 99       |

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

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QLast Update : Tue Oct 03 01:57:58 2023  
Response via : Initial Calibration

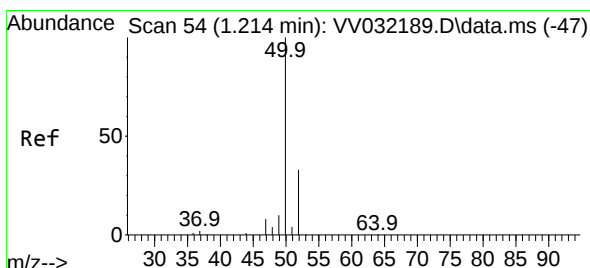
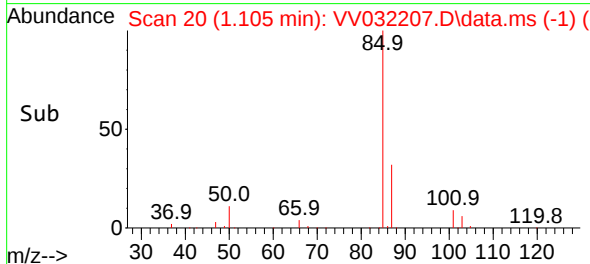
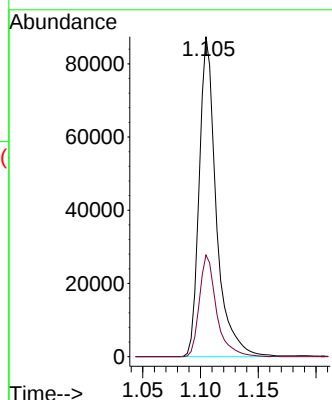
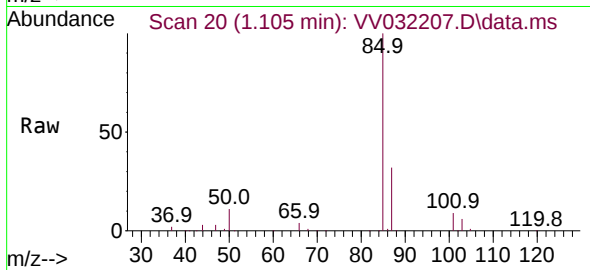




#2  
 Dichlorodifluoromethane  
 Concen: 47.640 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV032207.D  
 Acq: 03 Oct 2023 09:15

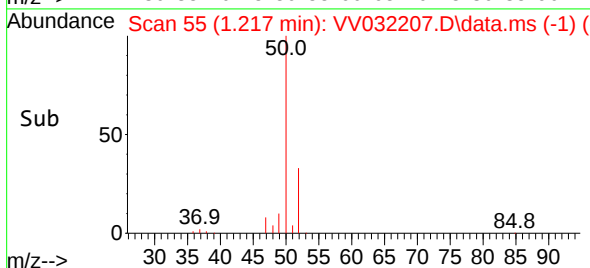
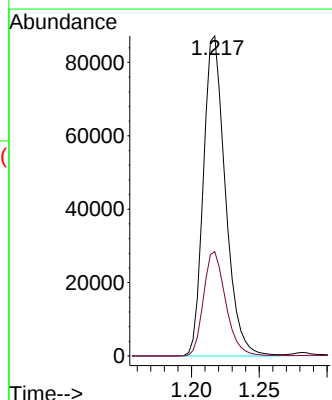
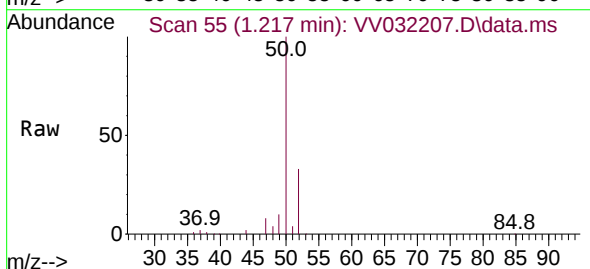
Instrument :  
 MSVOA\_V  
 ClientSampleId :

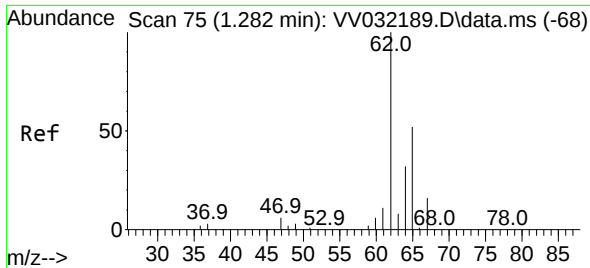
Tgt Ion: 85 Resp: 90033  
 Ion Ratio Lower Upper  
 85 100  
 87 31.9 25.4 38.0



#3  
 Chloromethane  
 Concen: 48.007 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.003 min  
 Lab File: VV032207.D  
 Acq: 03 Oct 2023 09:15

Tgt Ion: 50 Resp: 98382  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 22.4 41.6





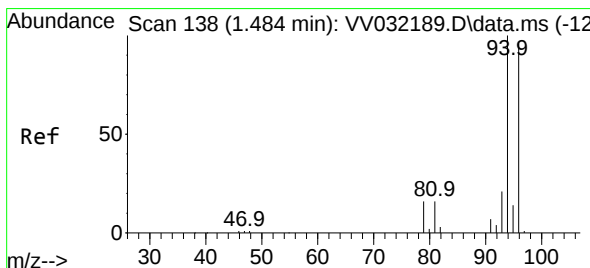
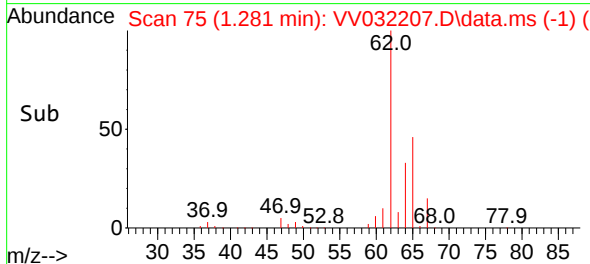
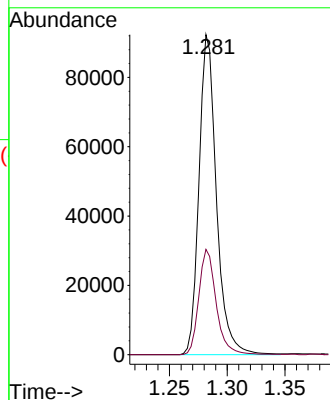
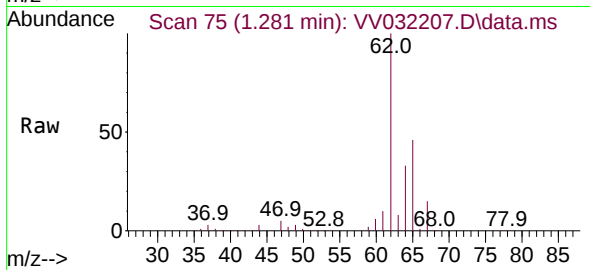
#5  
 Vinyl chloride  
 Concen: 48.027 ug/L  
 RT: 1.281 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VV032207.D  
 Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

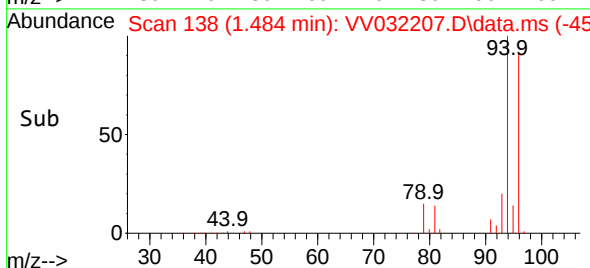
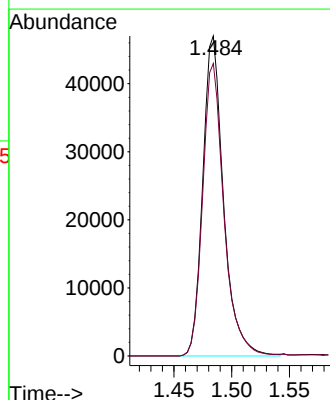
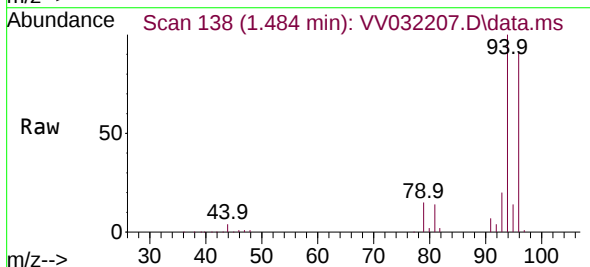
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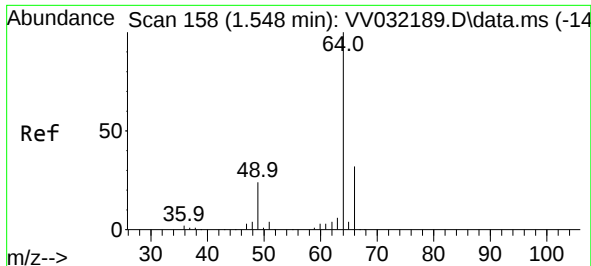
Tgt Ion: 62 Resp: 96947  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 22.5 41.9



#6  
 Bromomethane  
 Concen: 51.396 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. -0.000 min  
 Lab File: VV032207.D  
 Acq: 03 Oct 2023 09:15

Tgt Ion: 94 Resp: 58866  
 Ion Ratio Lower Upper  
 94 100  
 96 91.4 65.7 122.1

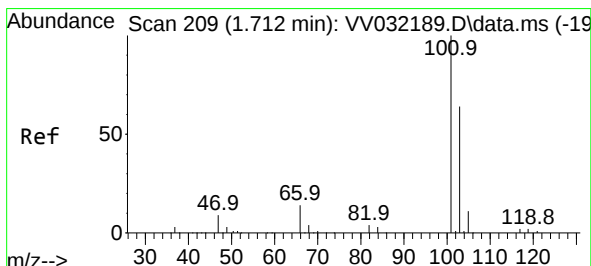
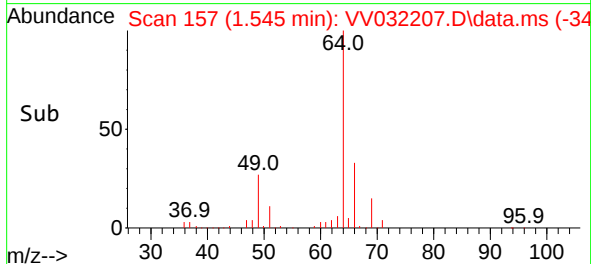
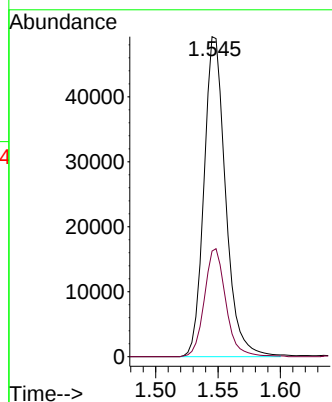
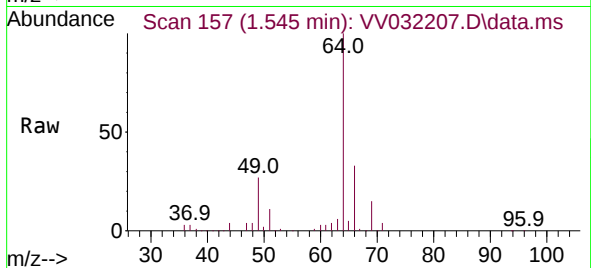




#8  
Chloroethane  
Concen: 47.376 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

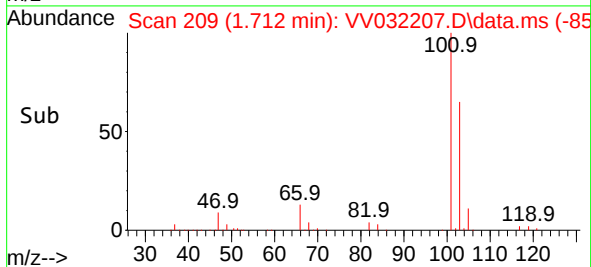
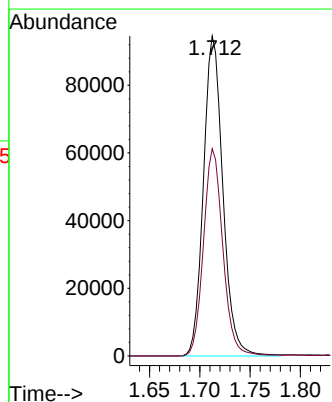
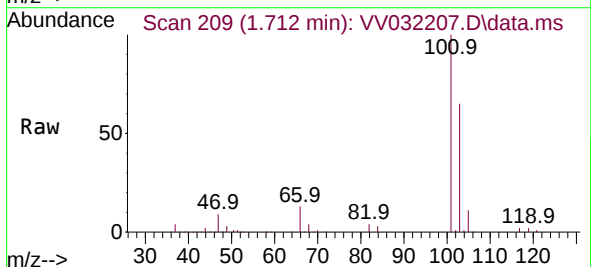
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MSVOA\_V  
ClientSampleId :

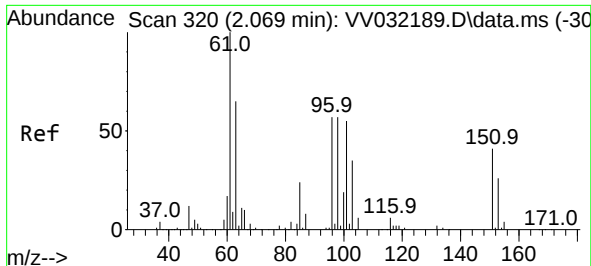
Tgt Ion: 64 Resp: 59531  
Ion Ratio Lower Upper  
64 100  
66 33.0 23.0 42.6



#9  
Trichlorofluoromethane  
Concen: 49.108 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion:101 Resp: 127231  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.299 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

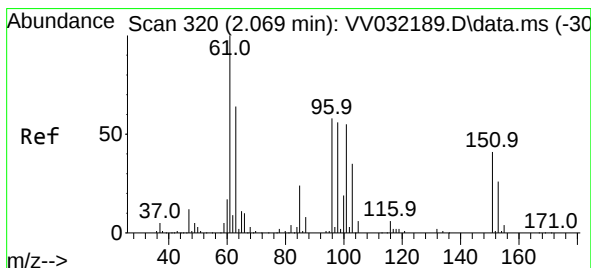
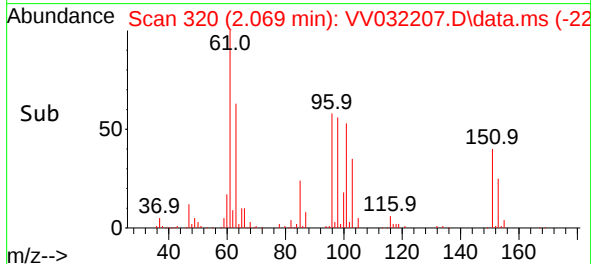
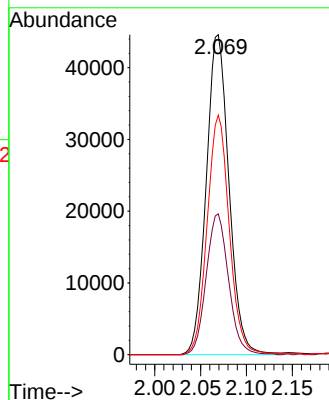
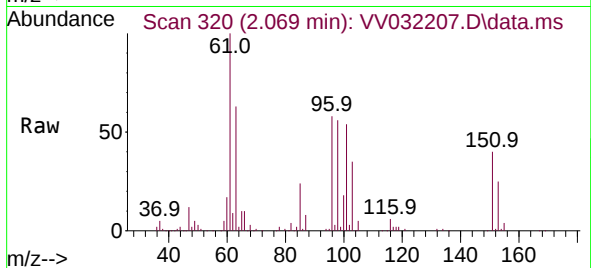
Tgt Ion:101 Resp: 77018

Ion Ratio Lower Upper

101 100

85 43.2 35.4 53.2

151 72.7 57.6 86.4



#12

1,1-Dichloroethene

Concen: 49.383 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

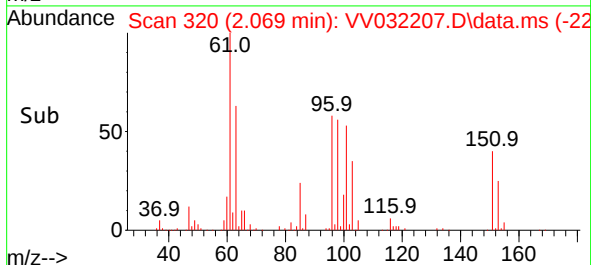
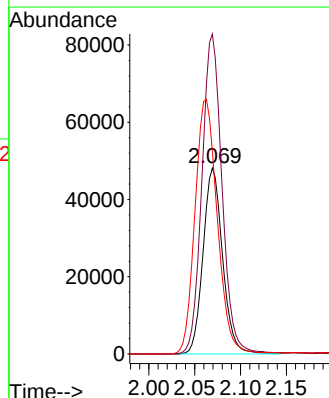
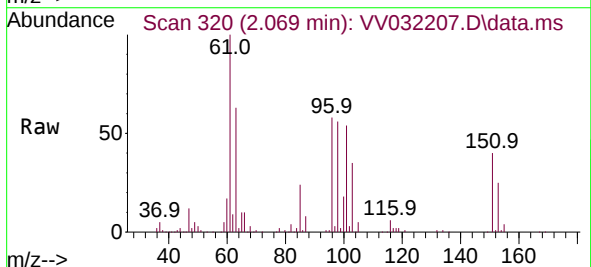
Tgt Ion: 96 Resp: 71384

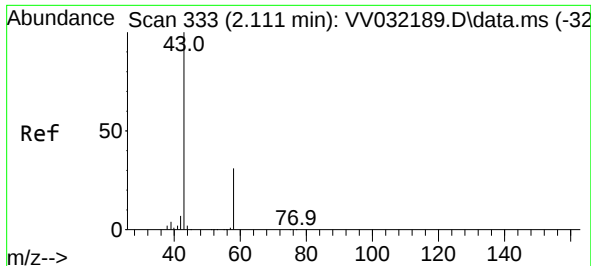
Ion Ratio Lower Upper

96 100

61 172.2 123.7 229.7

63 109.3 89.9 167.0





#13

Acetone

Concen: 68.201 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

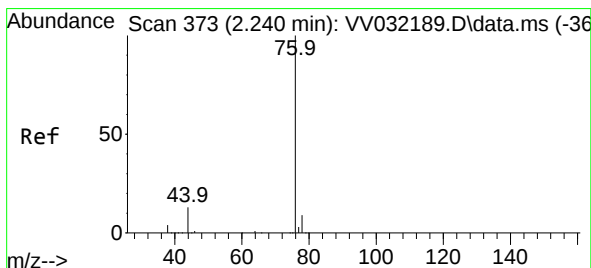
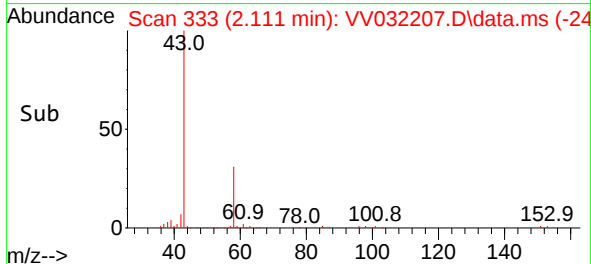
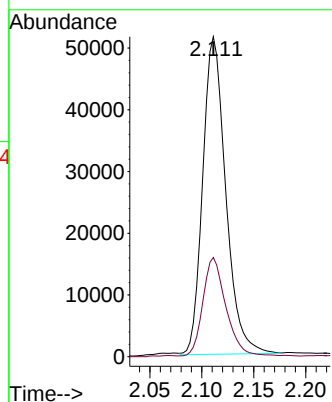
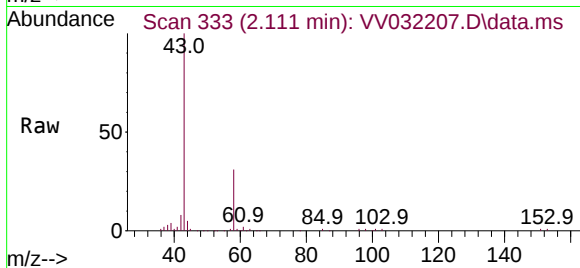
ClientSampleId :

Tgt Ion: 43 Resp: 79236

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.4



#14

Carbon disulfide

Concen: 46.853 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032207.D

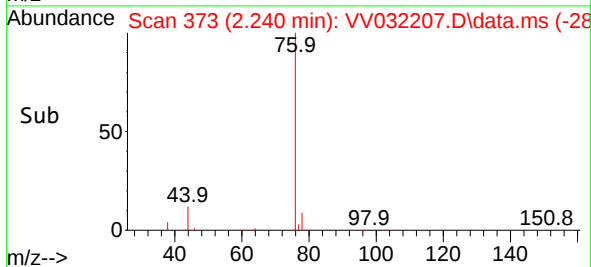
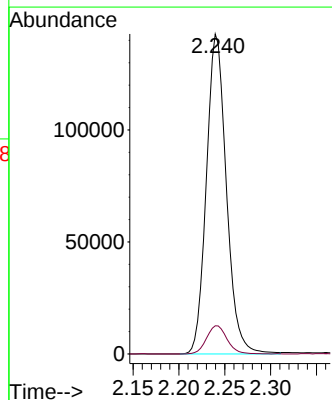
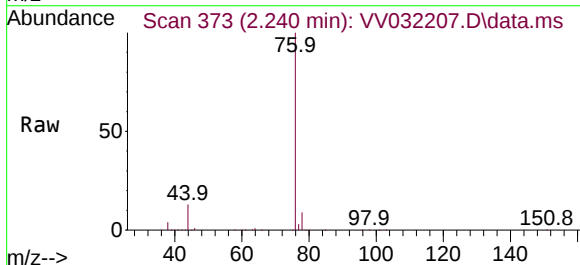
Acq: 03 Oct 2023 09:15

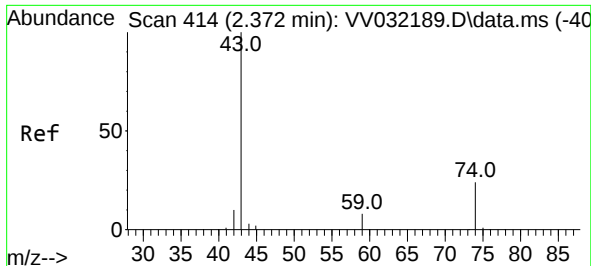
Tgt Ion: 76 Resp: 216744

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

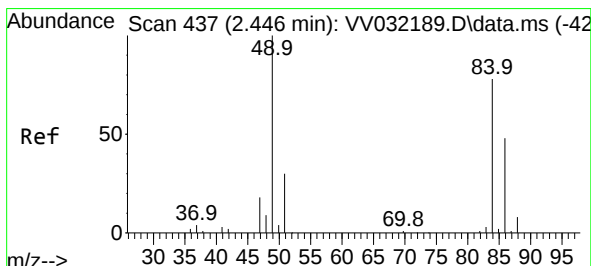
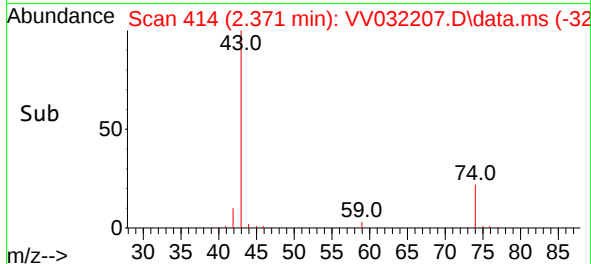
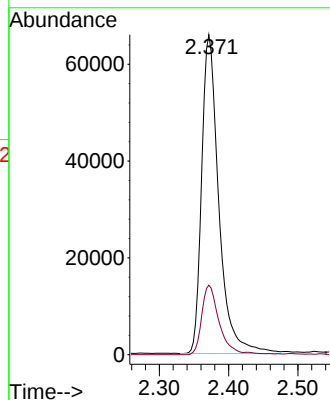
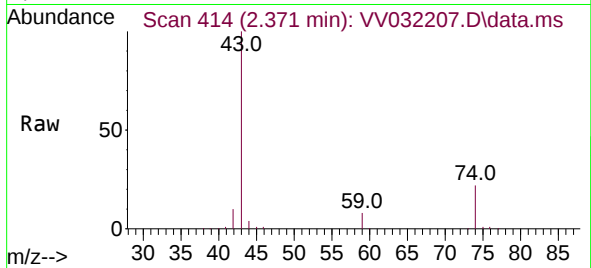




#15  
Methyl Acetate  
Concen: 54.689 ug/L  
RT: 2.371 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

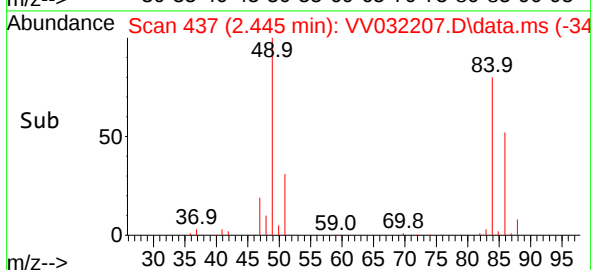
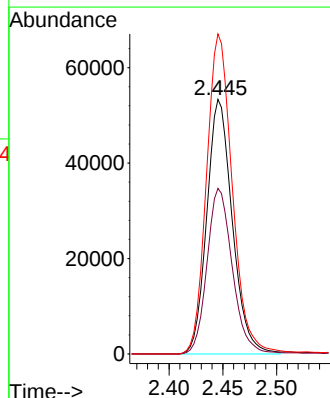
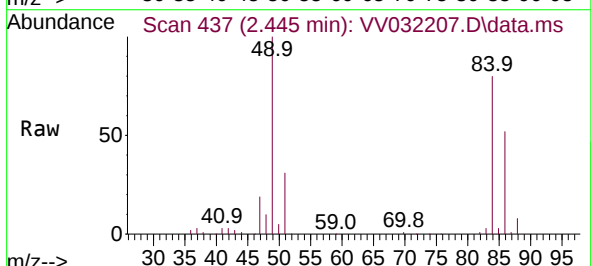
Instrument :  
MSVOA\_V  
ClientSampleId :

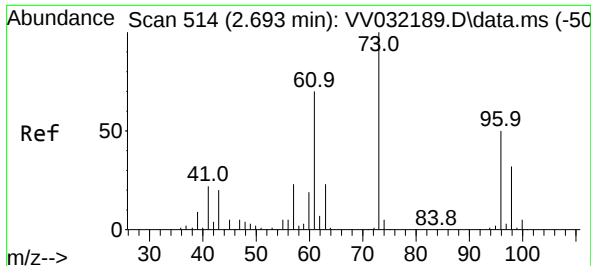
Tgt Ion: 43 Resp: 113354  
Ion Ratio Lower Upper  
43 100  
74 21.7 17.8 26.8



#16  
Methylene chloride  
Concen: 48.223 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion: 84 Resp: 88011  
Ion Ratio Lower Upper  
84 100  
86 65.1 45.4 84.4  
49 125.7 88.5 164.4





#17

trans-1,2-Dichloroethene

Concen: 46.664 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

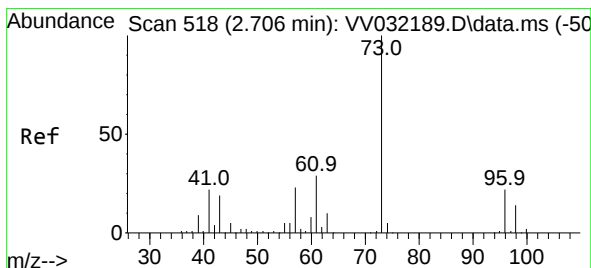
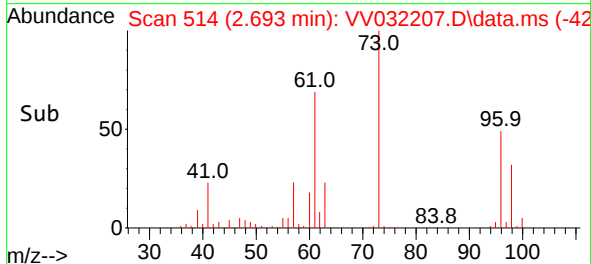
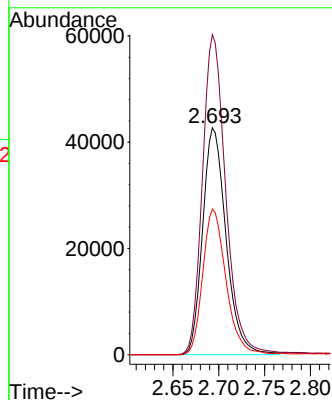
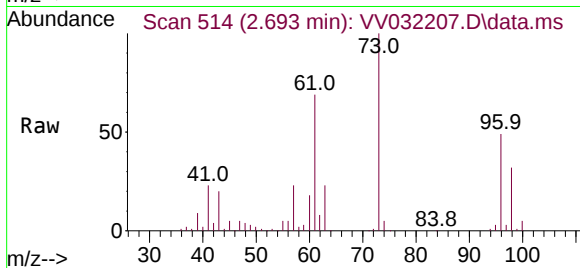
Tgt Ion: 96 Resp: 76037

Ion Ratio Lower Upper

96 100

61 141.1 97.4 180.8

98 64.2 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 46.781 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

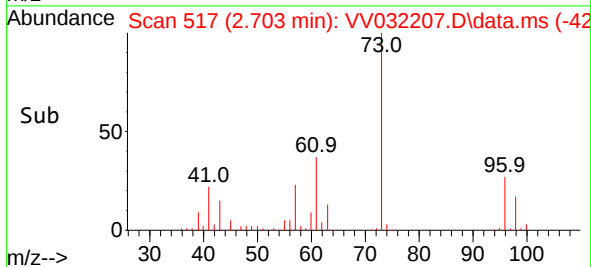
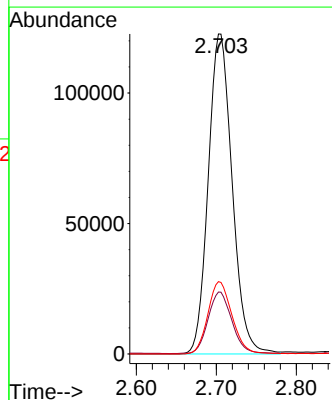
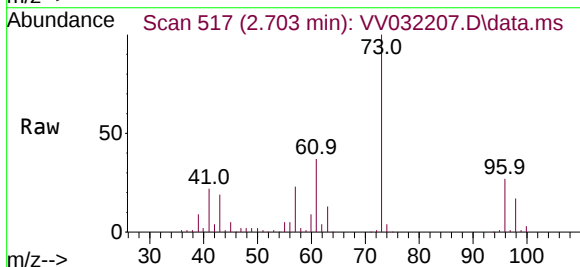
Tgt Ion: 73 Resp: 255033

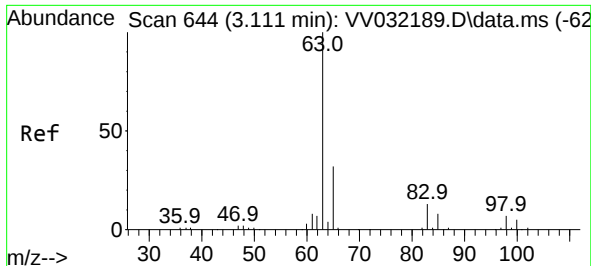
Ion Ratio Lower Upper

73 100

43 19.1 15.3 22.9

57 22.8 18.6 28.0





#19

1,1-Dichloroethane

Concen: 47.699 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

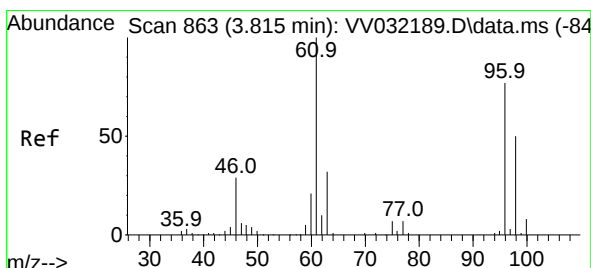
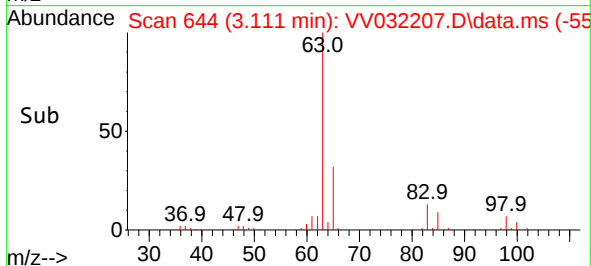
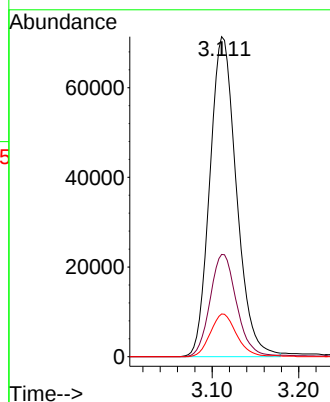
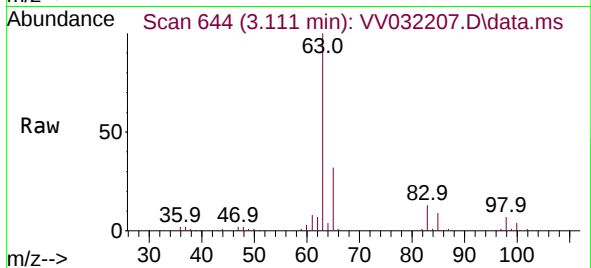
Tgt Ion: 63 Resp: 152401

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.3

83 13.3 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 47.388 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

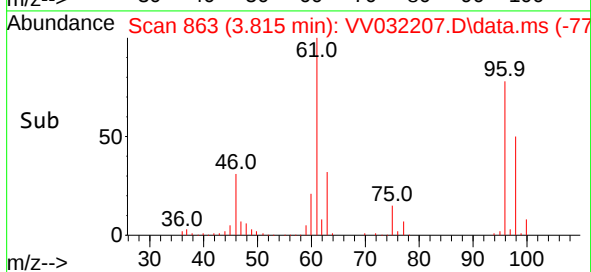
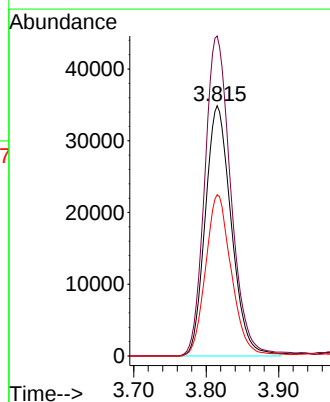
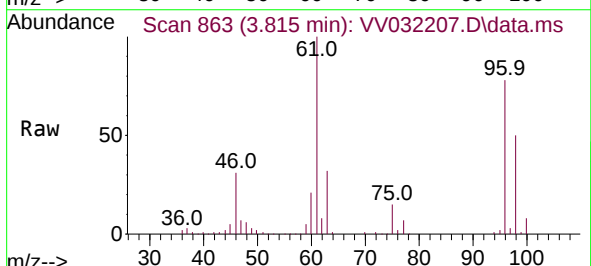
Tgt Ion: 96 Resp: 86944

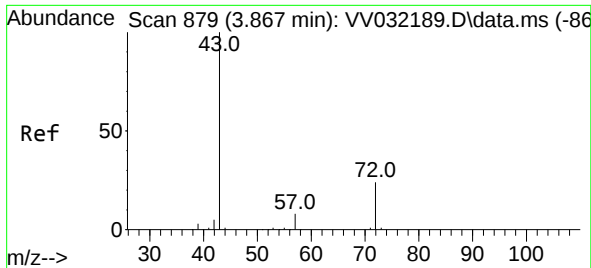
Ion Ratio Lower Upper

96 100

61 127.9 88.3 164.1

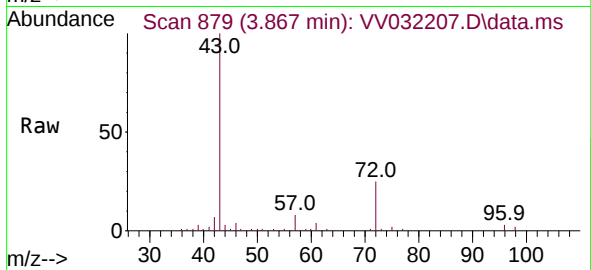
98 64.5 43.3 80.3



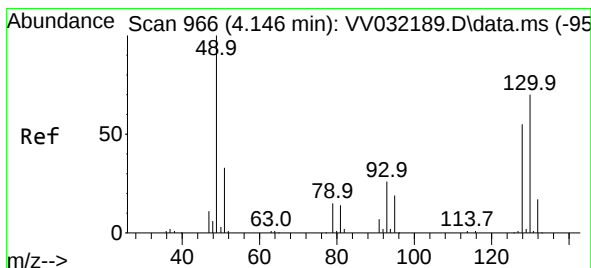
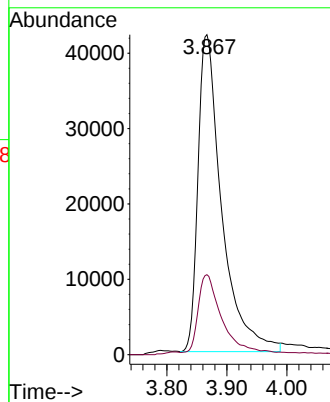
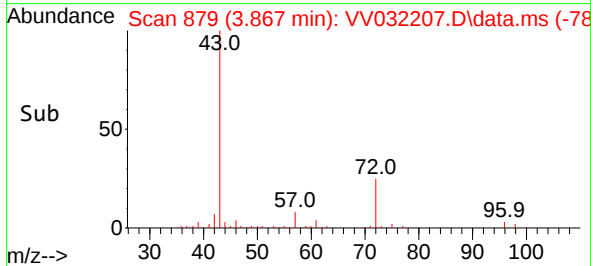


#22  
2-Butanone  
Concen: 74.357 ug/L  
RT: 3.867 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

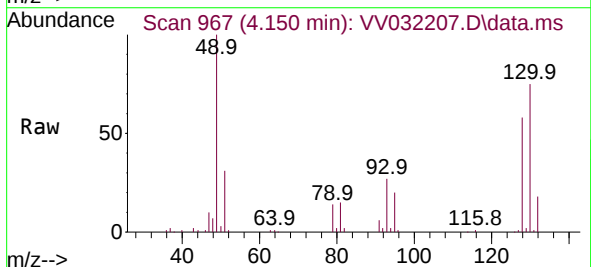
Instrument :  
MSVOA\_V  
ClientSampleId :



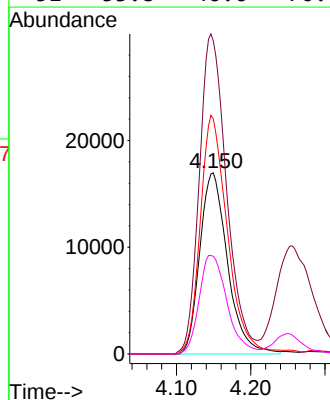
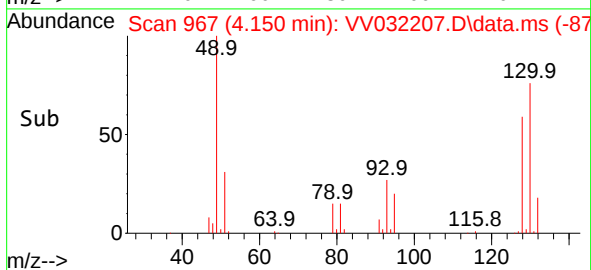
Tgt Ion: 43 Resp: 115979  
Ion Ratio Lower Upper  
43 100  
72 23.8 12.0 36.0

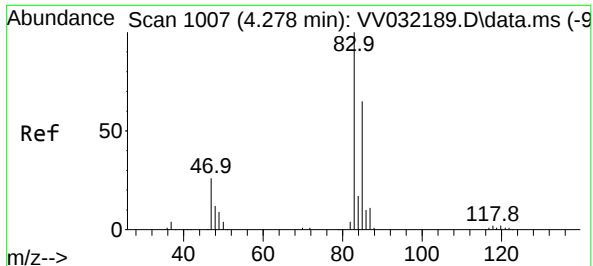


#23  
Bromochloromethane  
Concen: 47.867 ug/L  
RT: 4.150 min Scan# 967  
Delta R.T. 0.003 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15



Tgt Ion: 128 Resp: 43987  
Ion Ratio Lower Upper  
128 100  
49 172.8 125.0 232.2  
130 129.8 92.3 171.5  
51 53.8 46.6 70.0





#25

Chloroform

Concen: 48.060 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

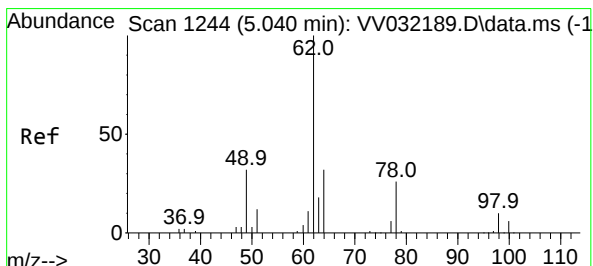
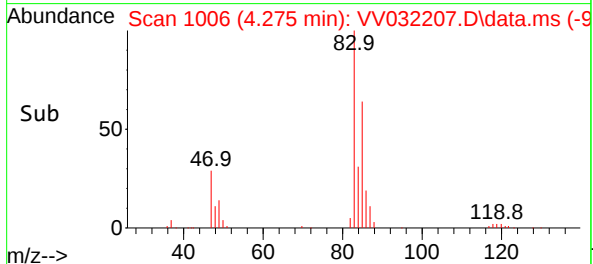
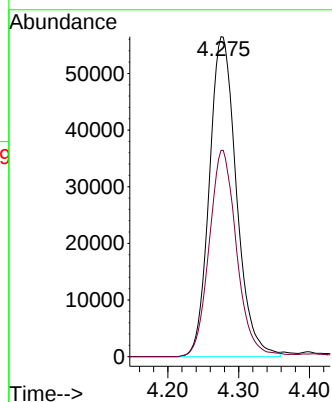
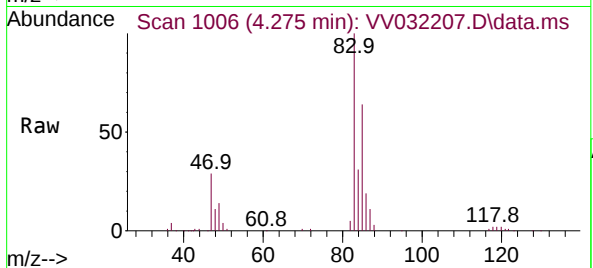
ClientSampleId :

Tgt Ion: 83 Resp: 149893

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 47.027 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV032207.D

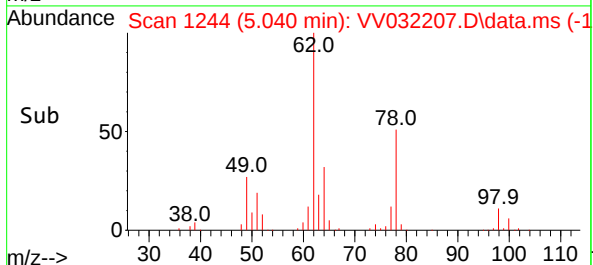
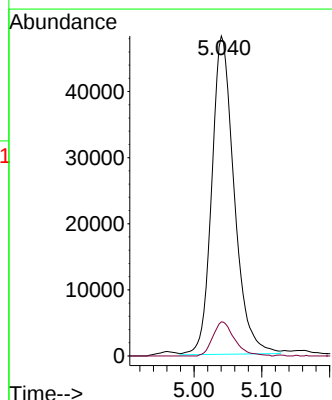
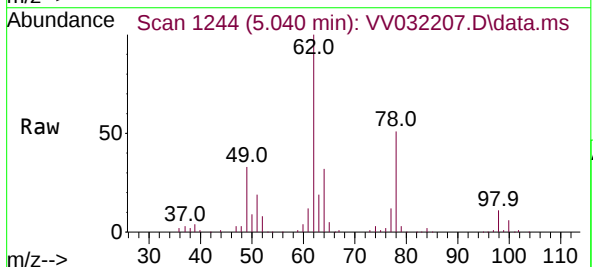
Acq: 03 Oct 2023 09:15

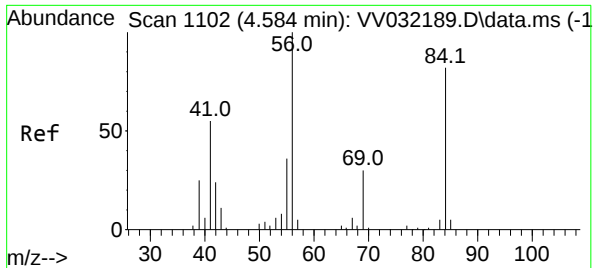
Tgt Ion: 62 Resp: 110858

Ion Ratio Lower Upper

62 100

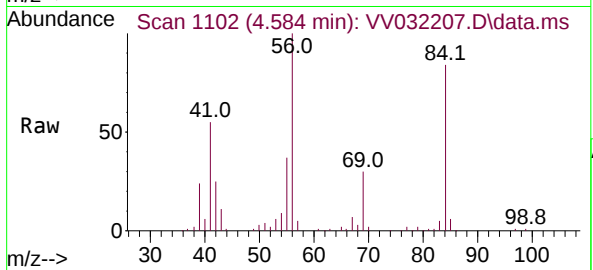
98 10.7 8.1 12.1



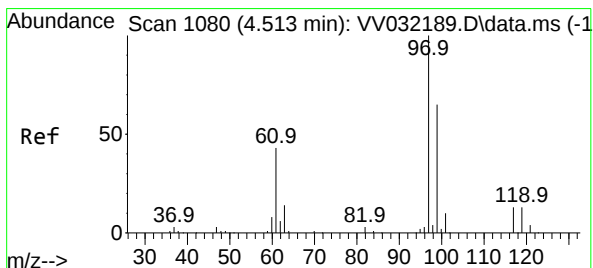
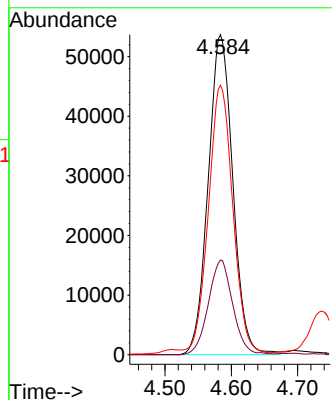
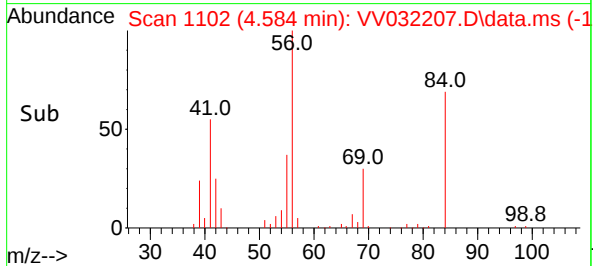


#29  
Cyclohexane  
Concen: 45.091 ug/L  
RT: 4.584 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Instrument :  
MSVOA\_V  
ClientSampleId :

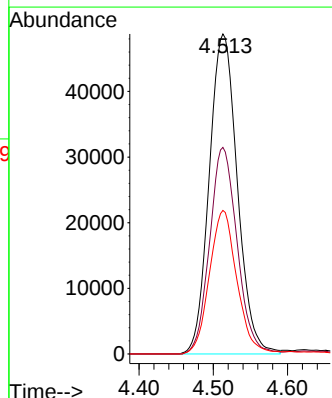
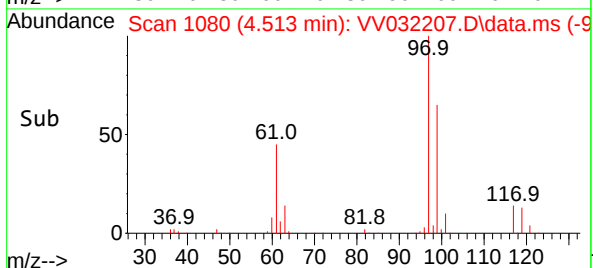
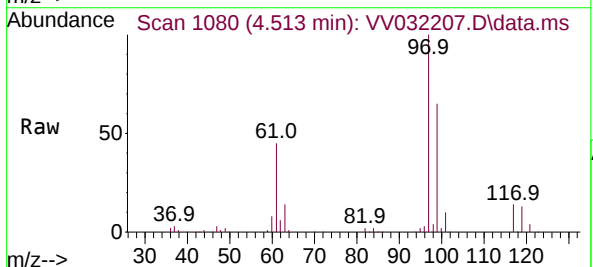


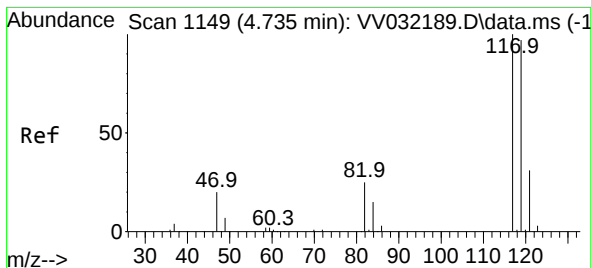
Tgt Ion: 56 Resp: 138486  
Ion Ratio Lower Upper  
56 100  
69 29.0 23.3 34.9  
84 83.5 66.2 99.2



#30  
1,1,1-Trichloroethane  
Concen: 46.781 ug/L  
RT: 4.513 min Scan# 1080  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion: 97 Resp: 128336  
Ion Ratio Lower Upper  
97 100  
99 63.2 51.3 76.9  
61 43.7 35.0 52.6





#31

Carbon tetrachloride

Concen: 46.891 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

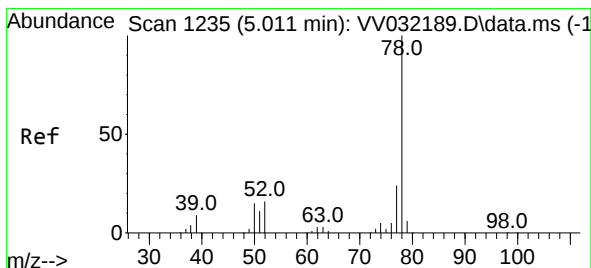
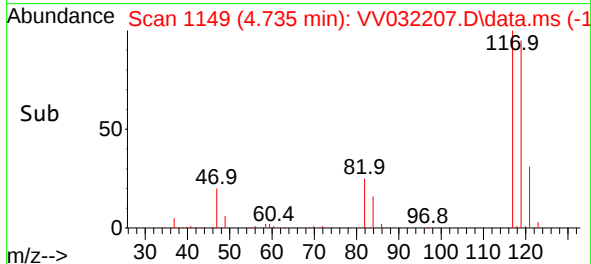
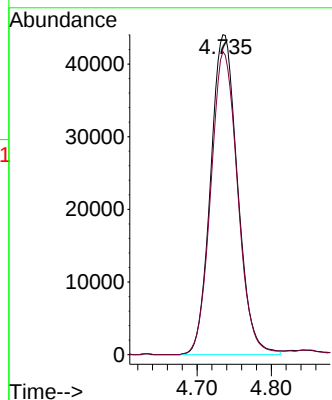
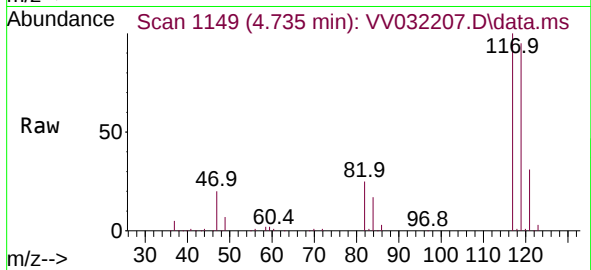
ClientSampleId :

Tgt Ion:117 Resp: 111094

Ion Ratio Lower Upper

117 100

119 94.2 76.6 115.0



#33

Benzene

Concen: 46.214 ug/L

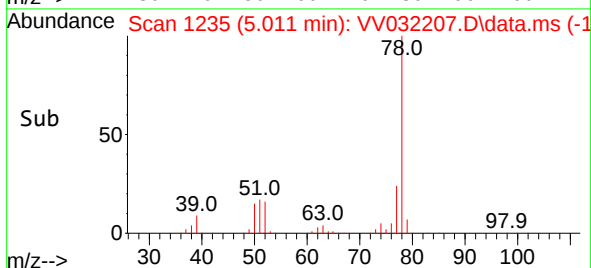
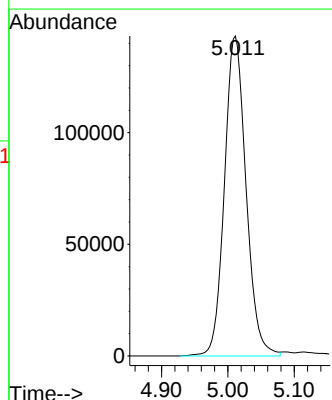
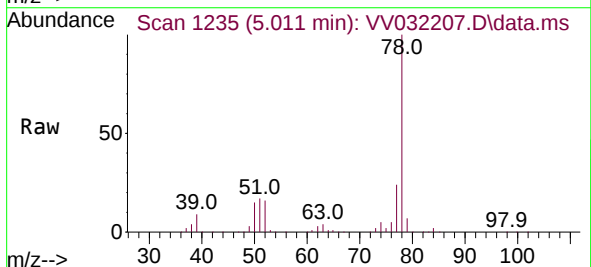
RT: 5.011 min Scan# 1235

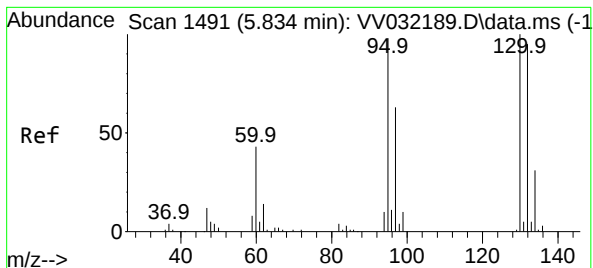
Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Tgt Ion: 78 Resp: 324317





#34

Trichloroethene

Concen: 48.177 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 93081

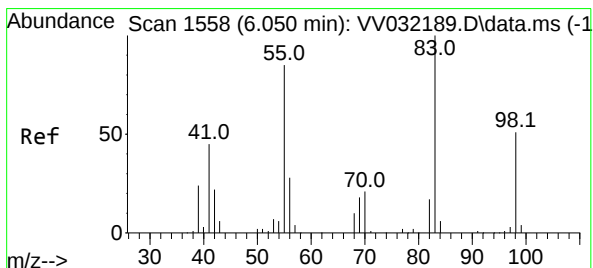
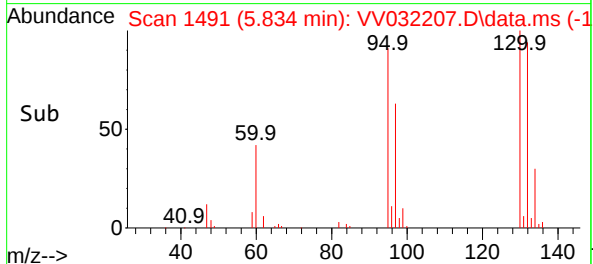
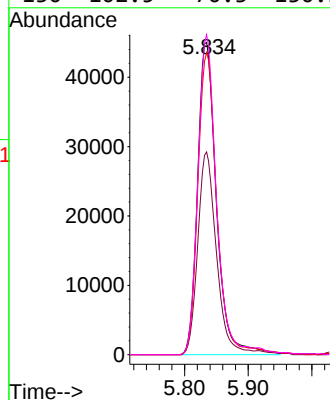
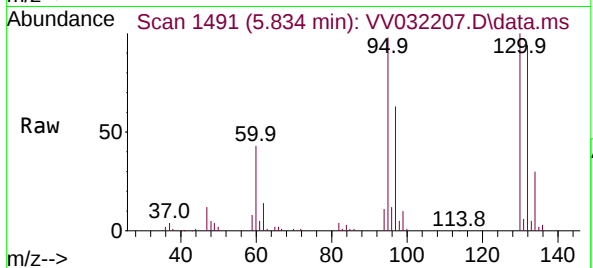
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 96.7 66.1 122.7

130 102.5 70.3 130.5



#35

Methylcyclohexane

Concen: 42.269 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

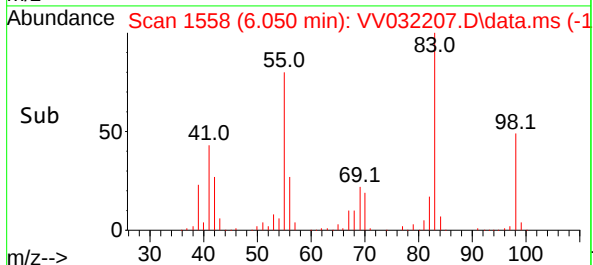
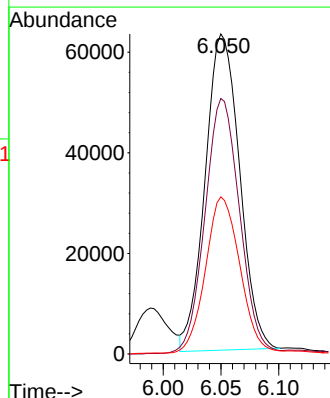
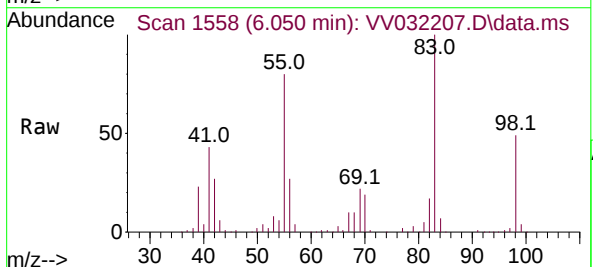
Tgt Ion: 83 Resp: 130570

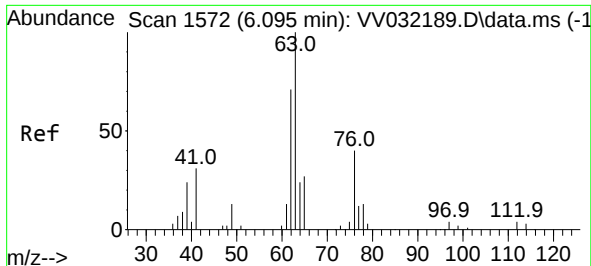
Ion Ratio Lower Upper

83 100

55 81.1 62.9 94.3

98 49.3 38.9 58.3





#37

1,2-Dichloropropane

Concen: 45.094 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

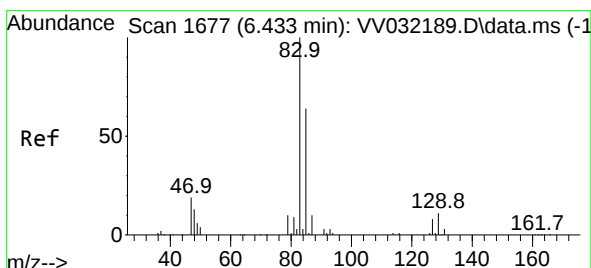
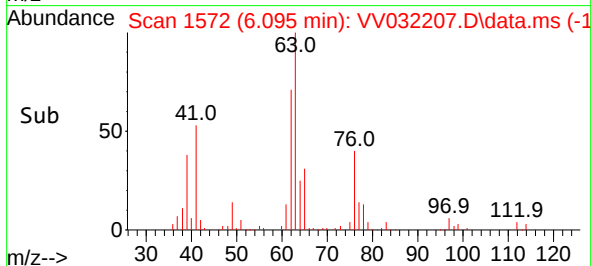
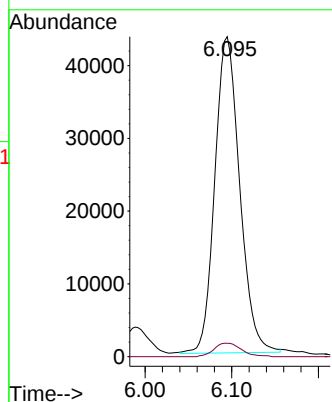
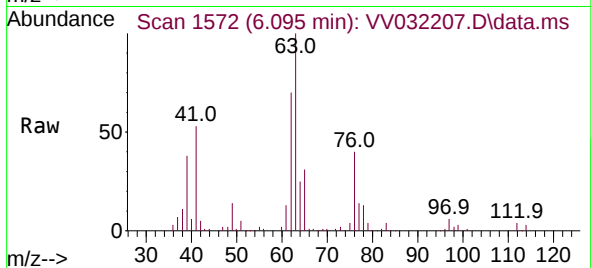
ClientSampleId :

Tgt Ion: 63 Resp: 86834

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 47.231 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

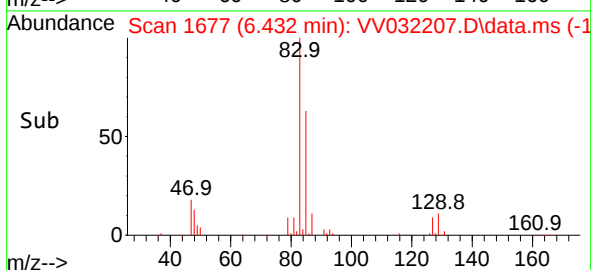
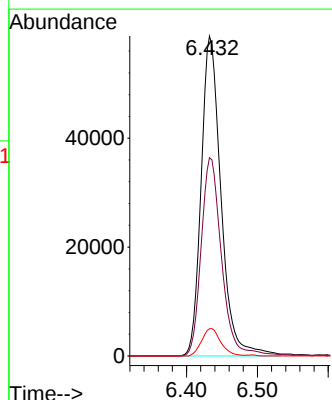
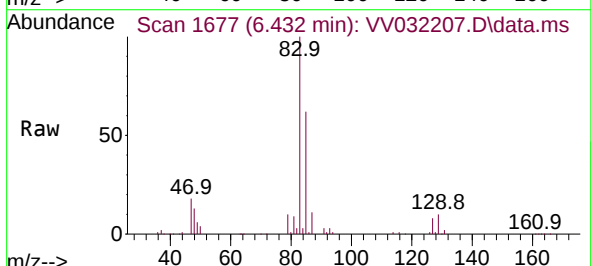
Tgt Ion: 83 Resp: 114327

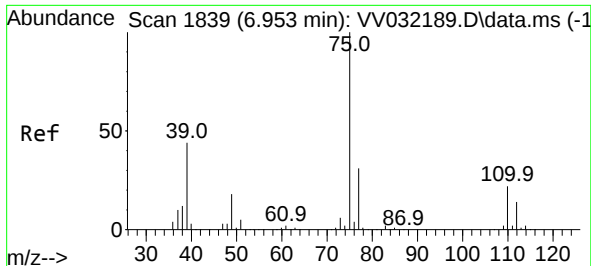
Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.9

127 8.5 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 42.990 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

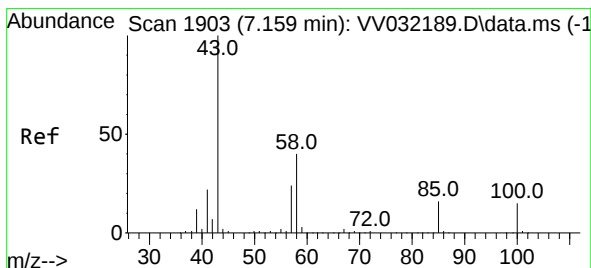
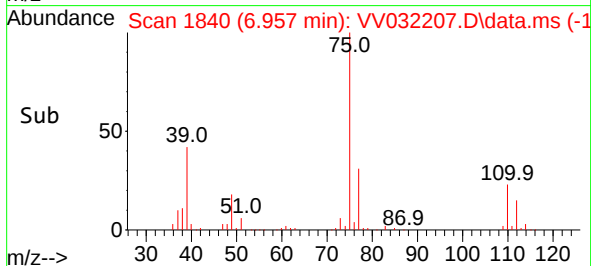
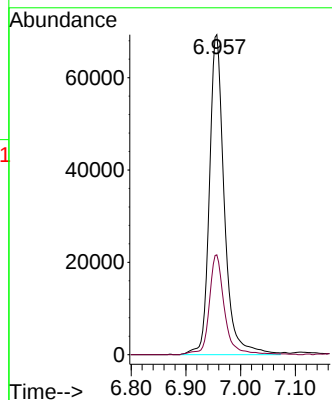
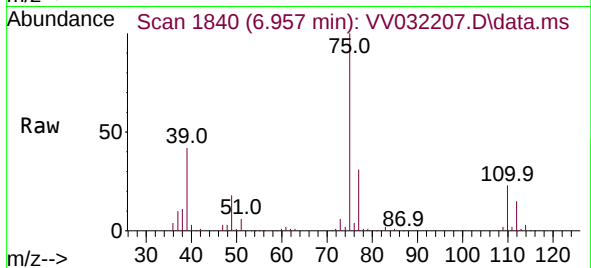
ClientSampleId :

Tgt Ion: 75 Resp: 131282

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 89.258 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

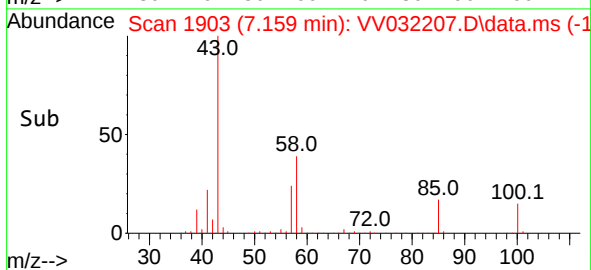
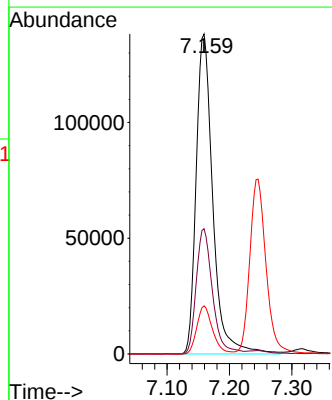
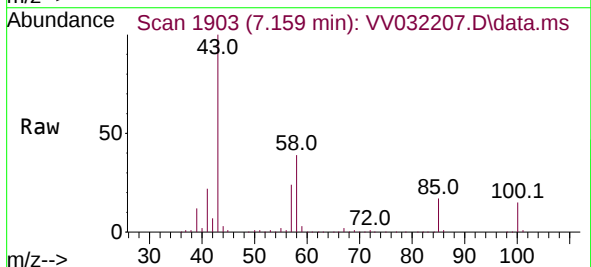
Tgt Ion: 43 Resp: 256165

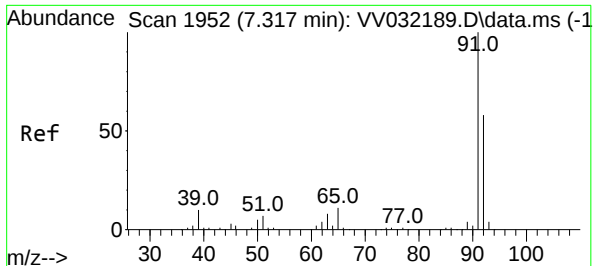
Ion Ratio Lower Upper

43 100

58 38.2 31.0 46.6

100 14.2 11.6 17.4





#42

Toluene

Concen: 46.711 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

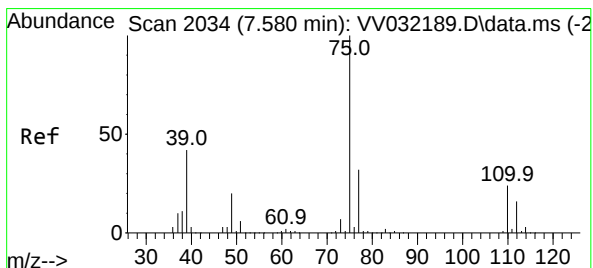
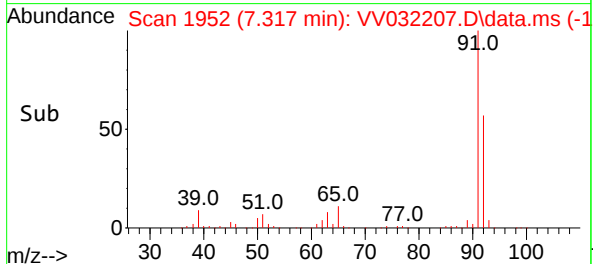
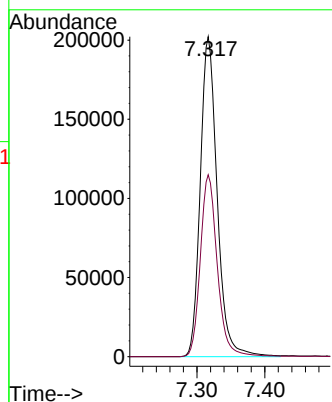
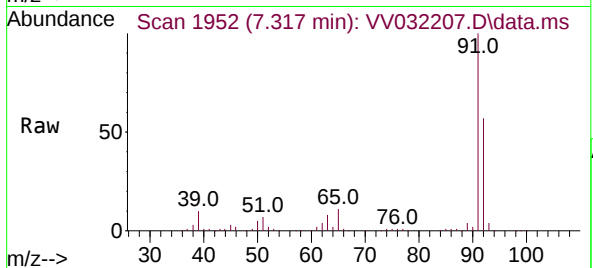
ClientSampleId :

Tgt Ion: 91 Resp: 349984

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 43.065 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032207.D

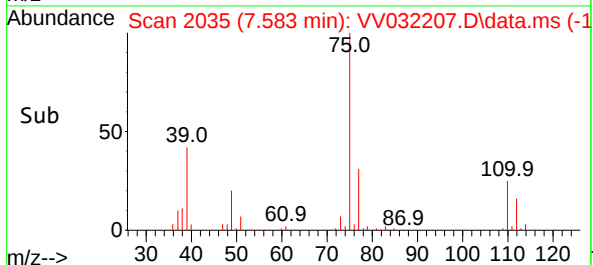
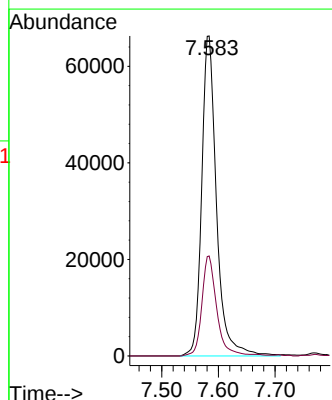
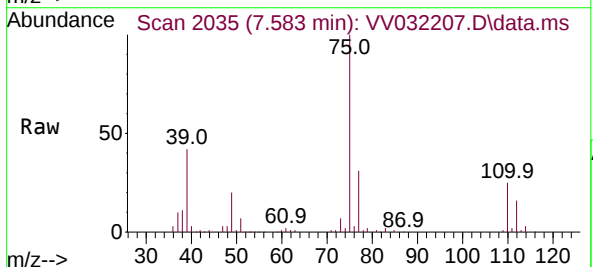
Acq: 03 Oct 2023 09:15

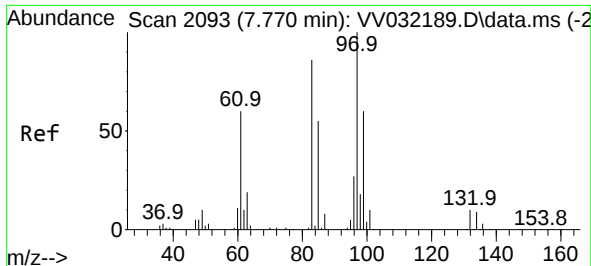
Tgt Ion: 75 Resp: 120434

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 45.990 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 84475

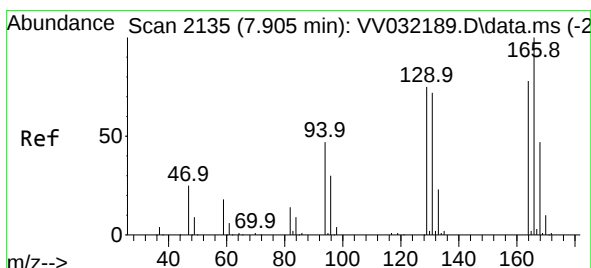
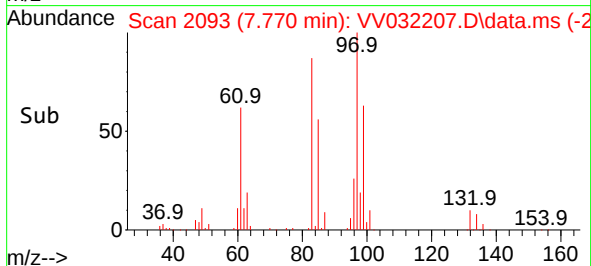
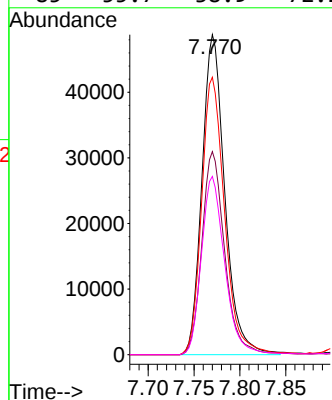
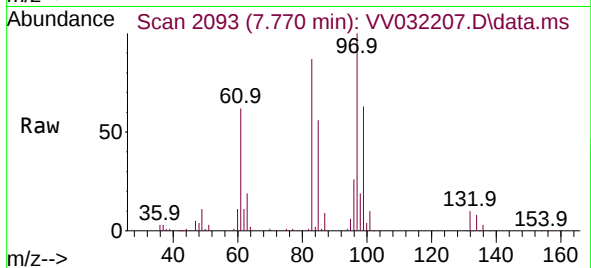
Ion Ratio Lower Upper

97 100

99 63.4 43.3 80.3

83 86.7 60.8 113.0

85 55.7 38.9 72.2



#46

Tetrachloroethene

Concen: 45.666 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Tgt Ion:164 Resp: 64115

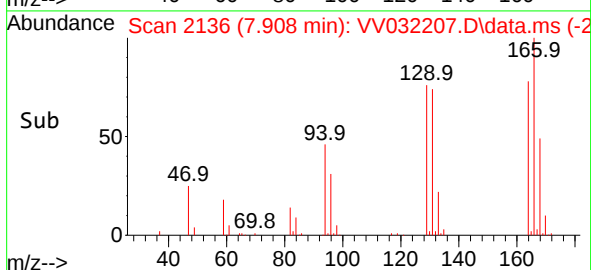
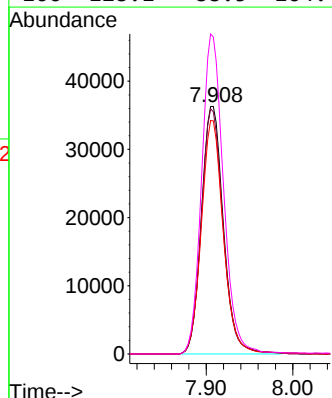
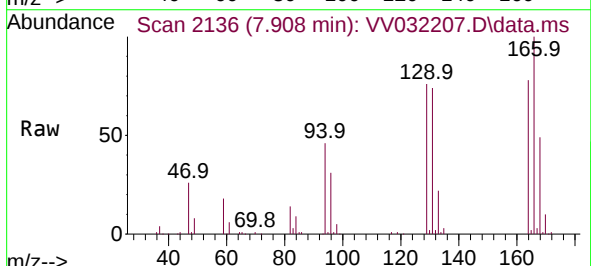
Ion Ratio Lower Upper

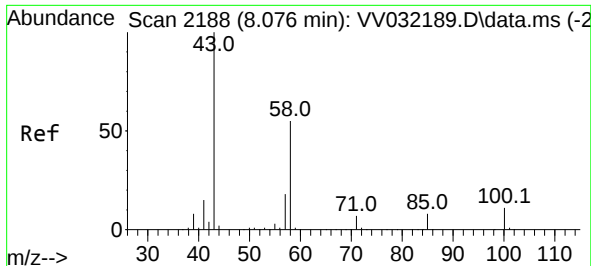
164 100

129 97.9 67.5 125.3

131 94.2 63.8 118.4

166 128.1 88.5 164.4

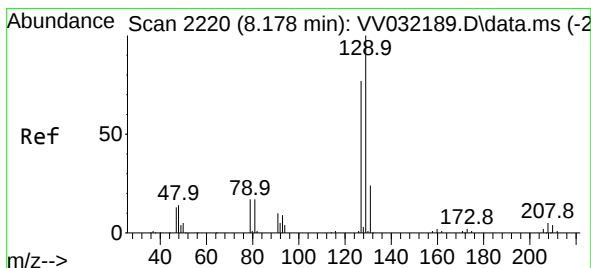
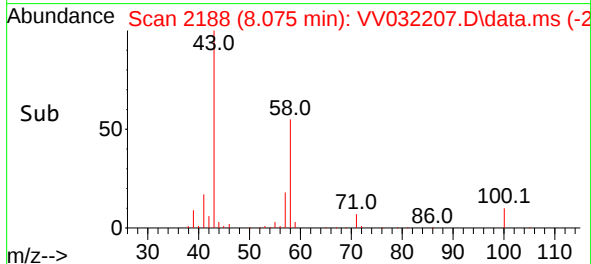
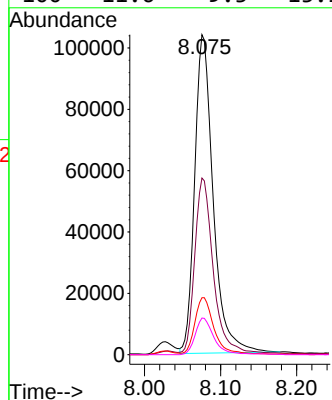
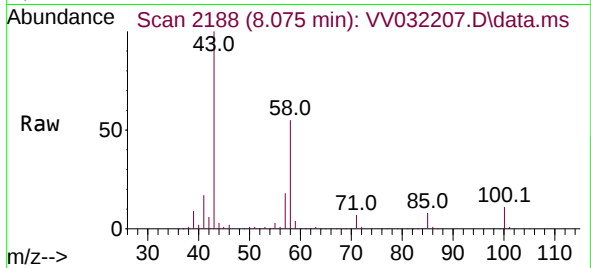




#48  
2-Hexanone  
Concen: 78.531 ug/L  
RT: 8.075 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

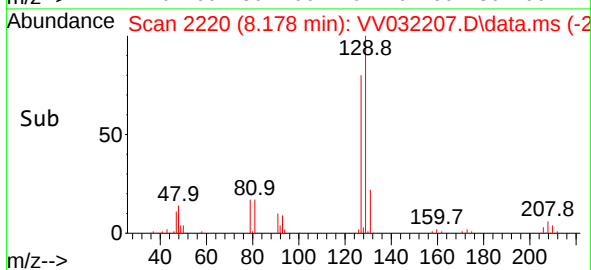
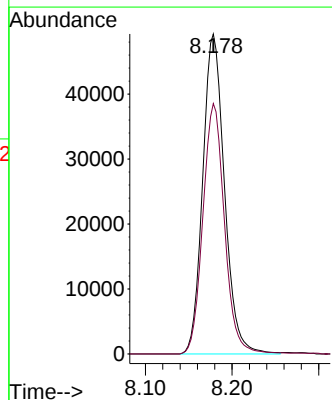
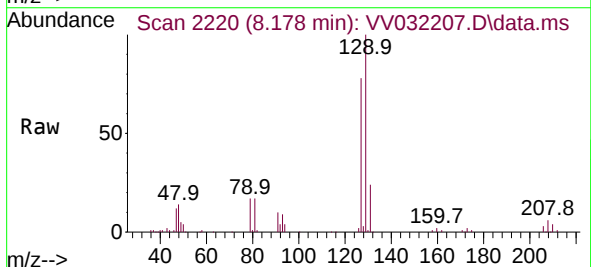
Instrument :  
MSVOA\_V  
ClientSampleId :

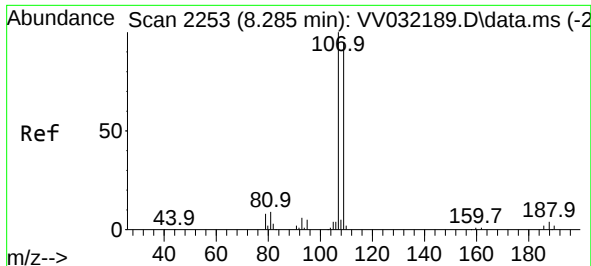
Tgt Ion: 43 Resp: 176062  
Ion Ratio Lower Upper  
43 100  
58 55.4 44.5 66.7  
57 18.4 13.9 20.9  
100 11.6 9.3 13.9



#49  
Dibromochloromethane  
Concen: 47.070 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion: 129 Resp: 85964  
Ion Ratio Lower Upper  
129 100  
127 78.3 54.9 101.9





#50

1,2-Dibromoethane

Concen: 46.250 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032207.D

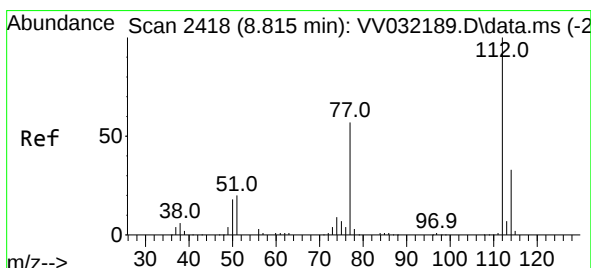
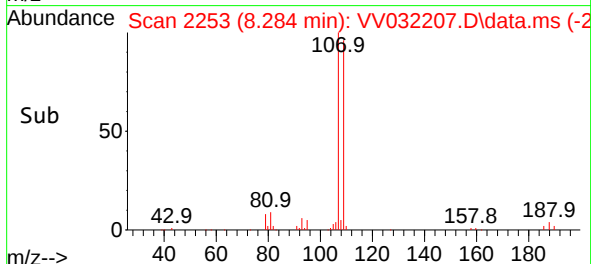
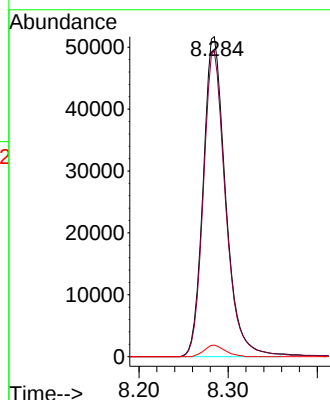
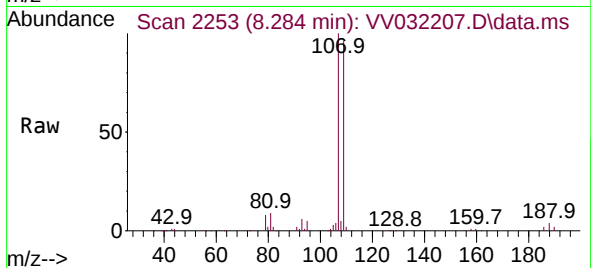
Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 90459       |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 95.6  | 65.2 121.2  |
| 188         | 3.6   | 3.0 4.6     |



#51

Chlorobenzene

Concen: 46.163 ug/L

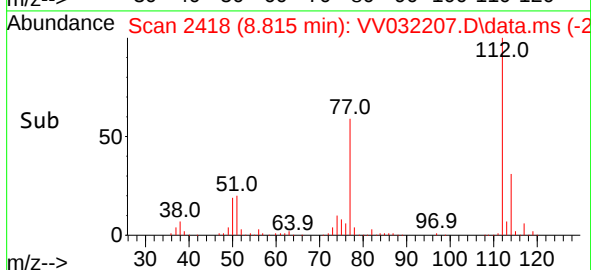
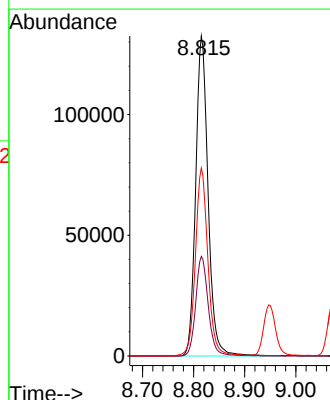
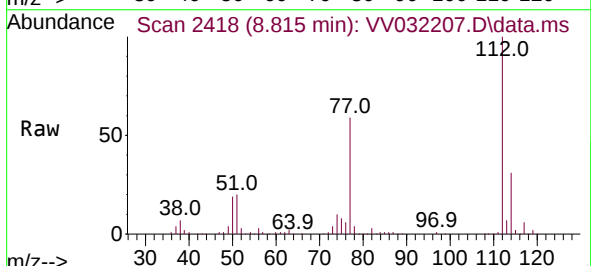
RT: 8.815 min Scan# 2418

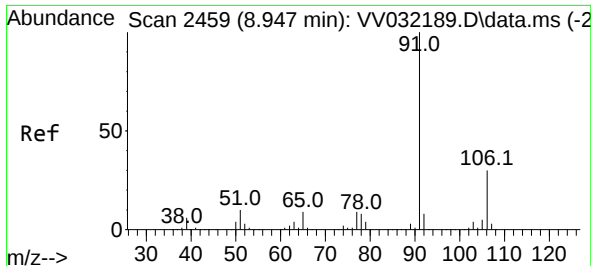
Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 223169      |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 31.1  | 22.5 41.9   |
| 77          | 58.8  | 46.7 70.1   |





#52

Ethylbenzene

Concen: 46.097 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

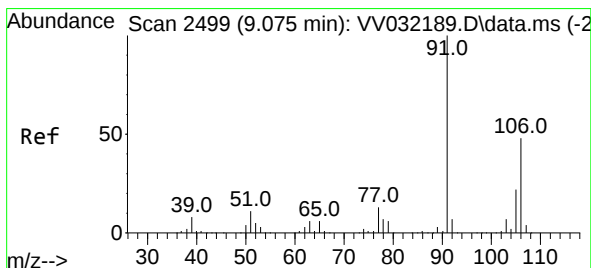
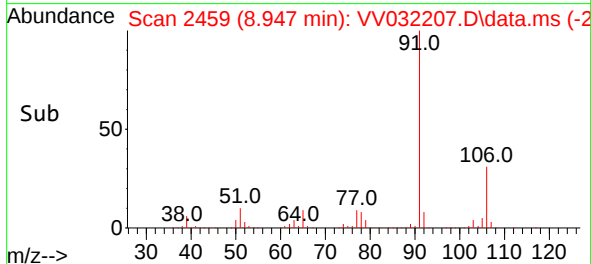
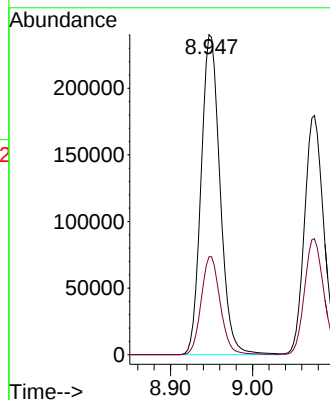
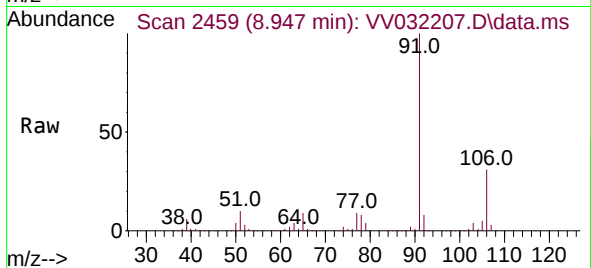
ClientSampleId :

Tgt Ion: 91 Resp: 385795

Ion Ratio Lower Upper

91 100

106 30.6 20.9 38.7



#53

m,p-Xylene

Concen: 45.919 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.000 min

Lab File: VV032207.D

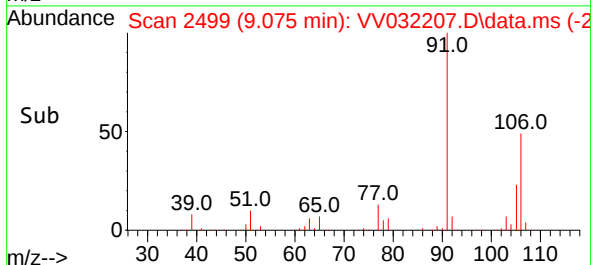
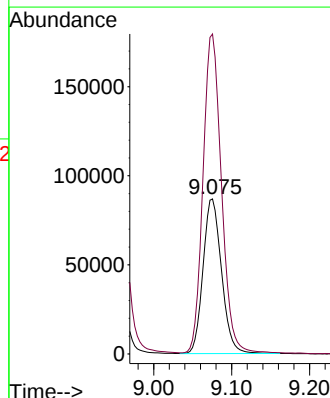
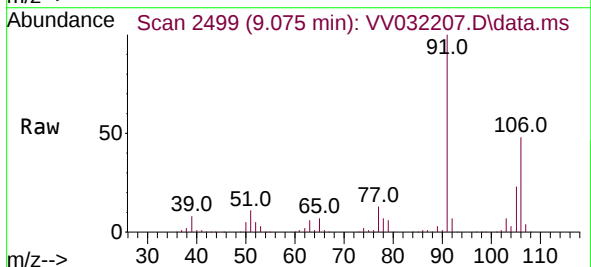
Acq: 03 Oct 2023 09:15

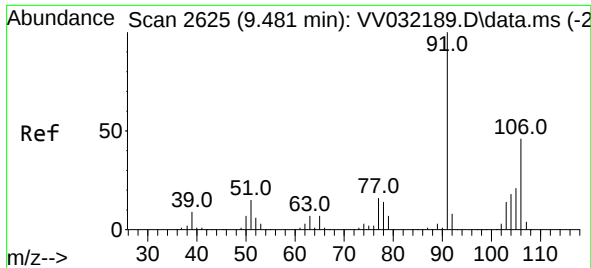
Tgt Ion: 106 Resp: 143185

Ion Ratio Lower Upper

106 100

91 206.3 143.8 267.0

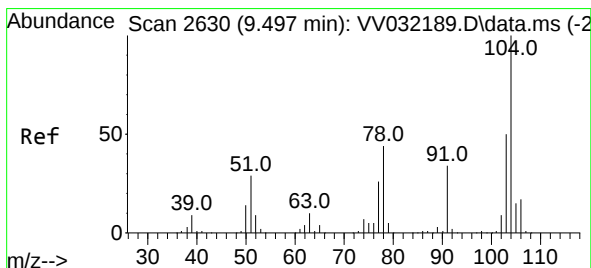
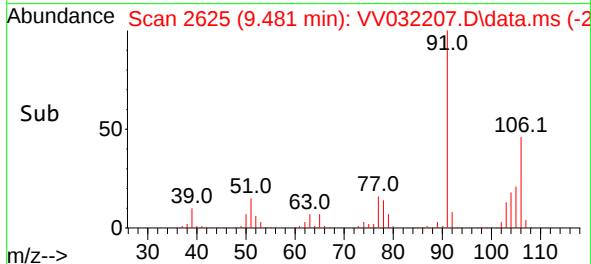
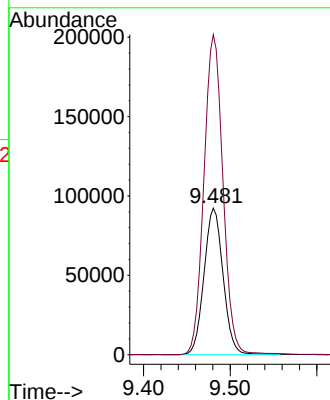
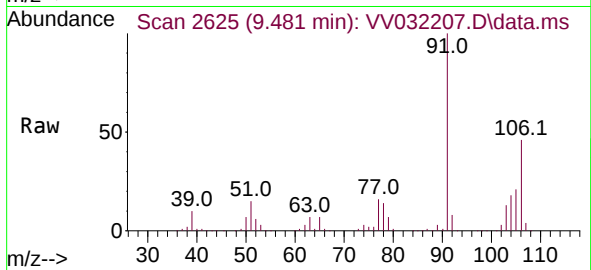




#54  
o-Xylene  
Concen: 45.918 ug/L  
RT: 9.481 min Scan# 2625  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

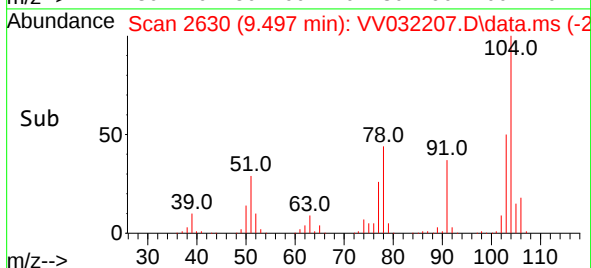
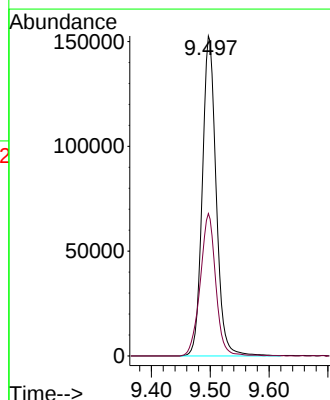
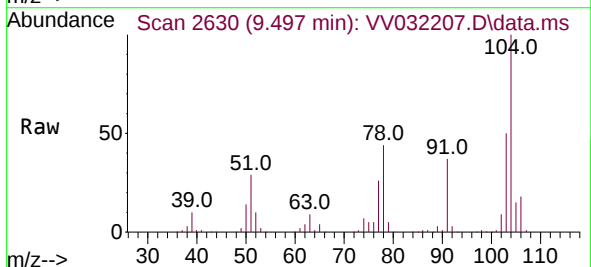
Instrument :  
MSVOA\_V  
ClientSampleId :

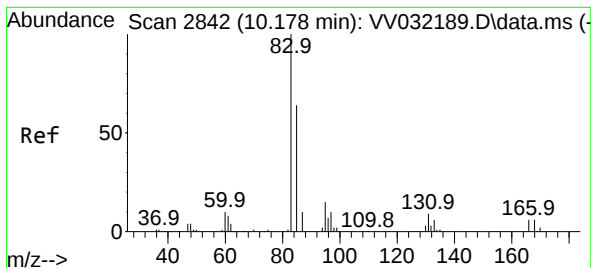
Tgt Ion:106 Resp: 141053  
Ion Ratio Lower Upper  
106 100  
91 218.3 153.4 284.8



#55  
Styrene  
Concen: 47.704 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion:104 Resp: 249999  
Ion Ratio Lower Upper  
104 100  
78 44.5 30.4 56.5

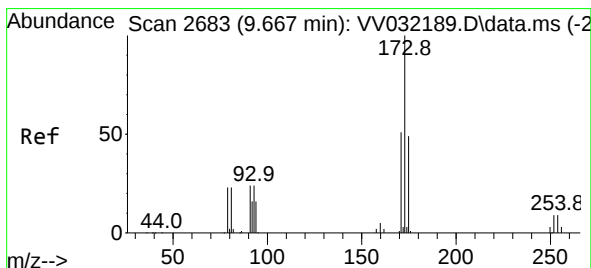
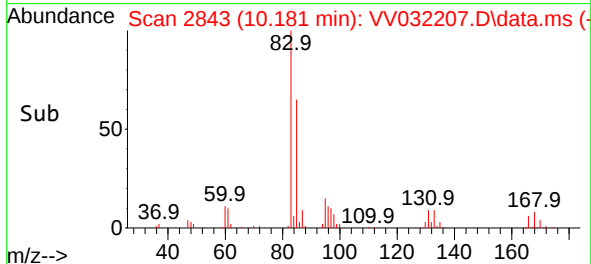
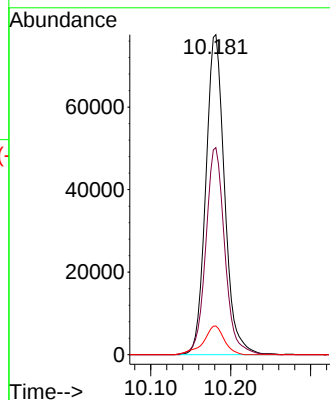
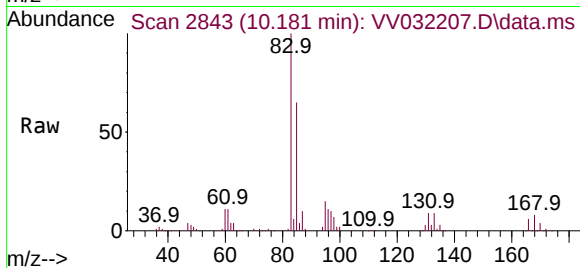




#57  
1,1,2,2-Tetrachloroethane  
Concen: 44.200 ug/L  
RT: 10.181 min Scan# 2843  
Delta R.T. 0.003 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

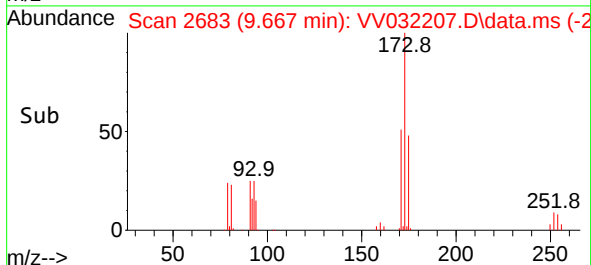
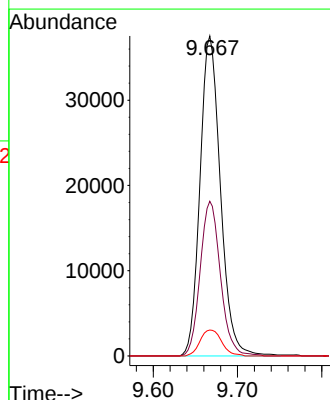
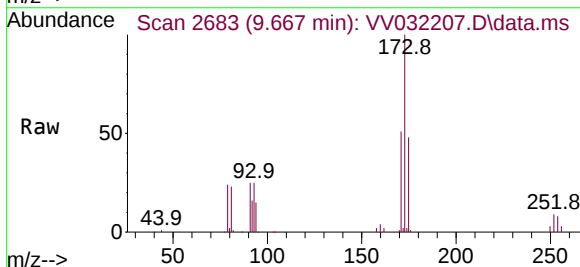
Instrument :  
MSVOA\_V  
ClientSampleId :

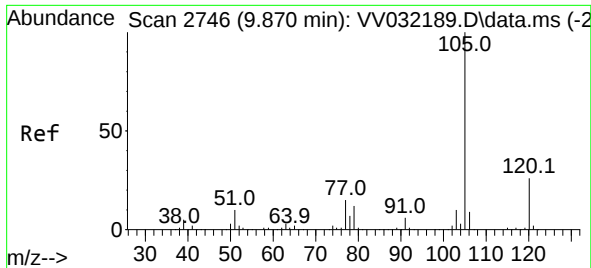
Tgt Ion: 83 Resp: 126506  
Ion Ratio Lower Upper  
83 100  
85 64.7 44.7 82.9  
131 9.0 7.4 11.0



#59  
Bromoform  
Concen: 47.159 ug/L  
RT: 9.667 min Scan# 2683  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion: 173 Resp: 63408  
Ion Ratio Lower Upper  
173 100  
175 47.9 39.5 59.3  
254 8.6 7.0 10.4

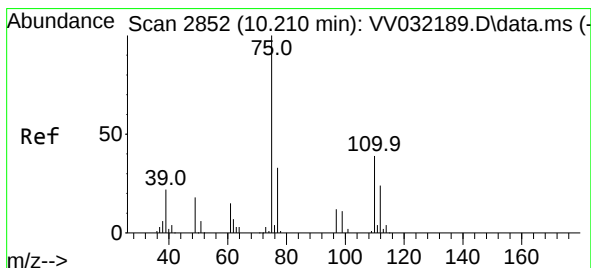
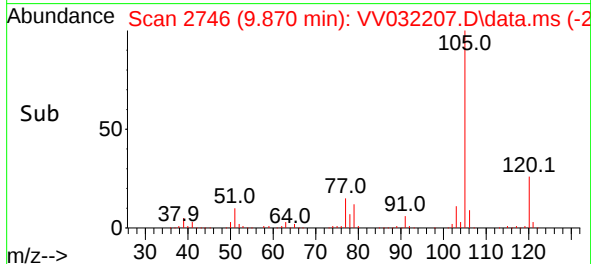
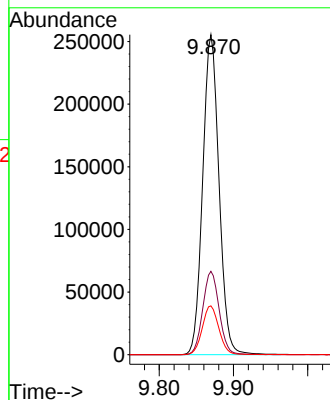
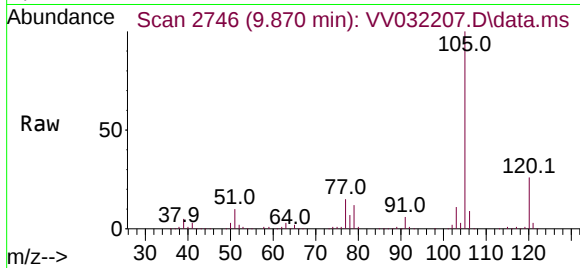




#60  
Isopropylbenzene  
Concen: 46.211 ug/L  
RT: 9.870 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

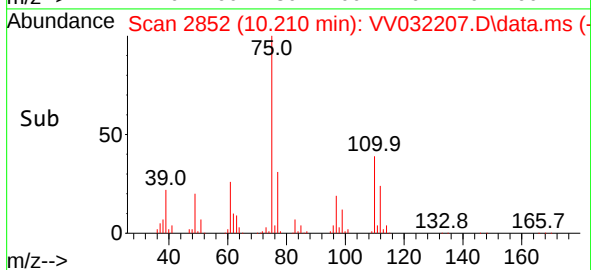
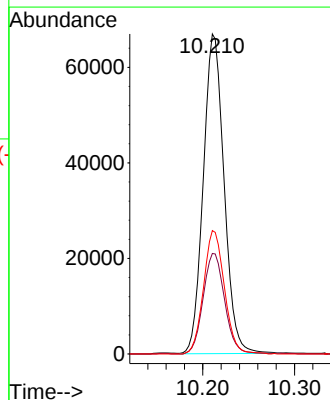
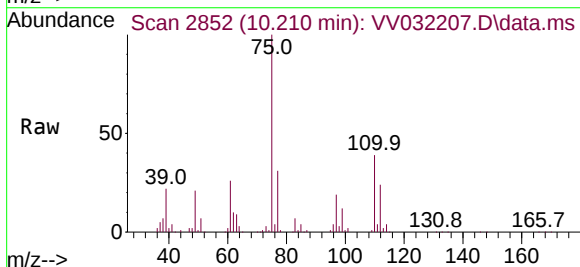
Instrument :  
MSVOA\_V  
ClientSampleId :

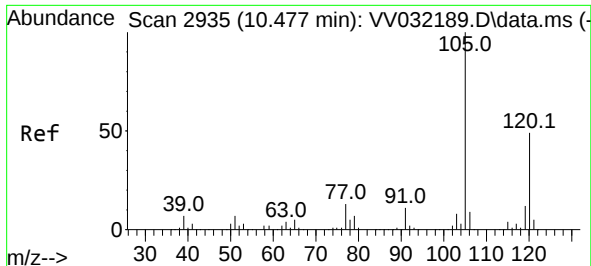
Tgt Ion:105 Resp: 389176  
Ion Ratio Lower Upper  
105 100  
120 26.2 21.0 31.6  
77 15.6 12.7 19.1



#61  
1,2,3-Trichloropropane  
Concen: 44.790 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion: 75 Resp: 105352  
Ion Ratio Lower Upper  
75 100  
77 32.6 26.1 39.1  
110 38.7 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 45.609 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

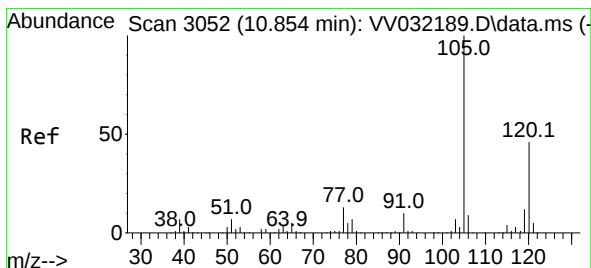
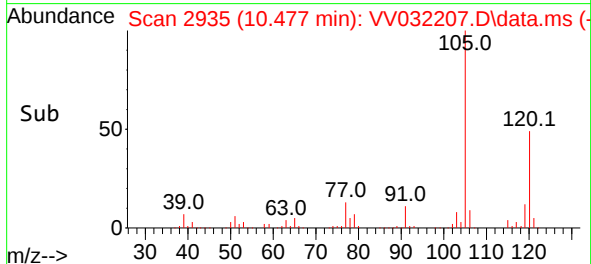
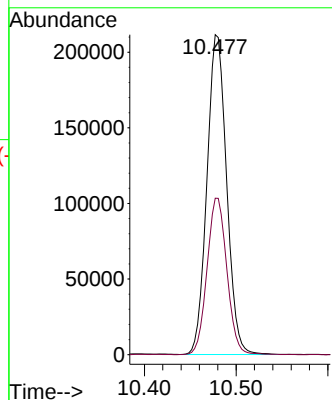
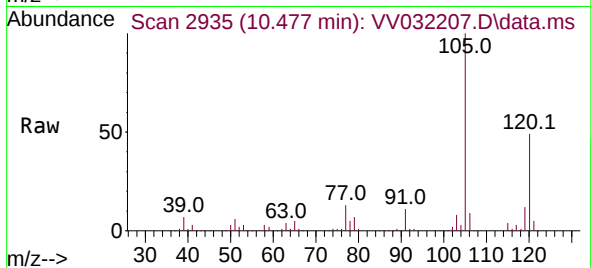
ClientSampleId :

Tgt Ion:105 Resp: 315575

Ion Ratio Lower Upper

105 100

120 49.4 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 45.558 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032207.D

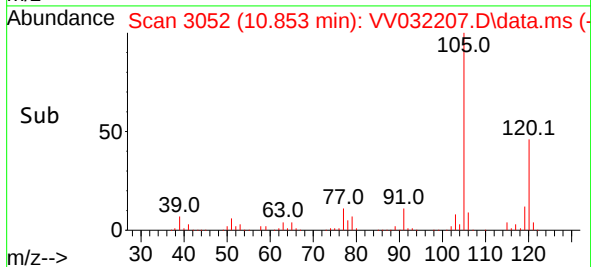
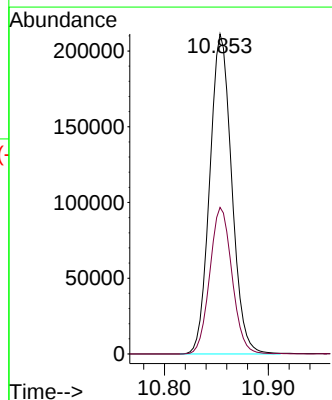
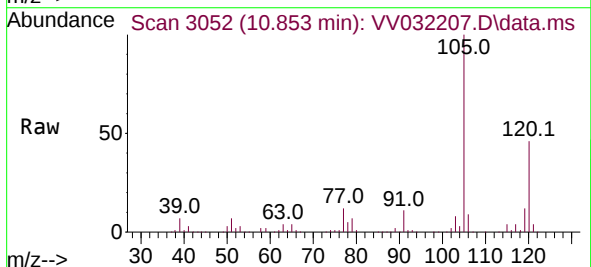
Acq: 03 Oct 2023 09:15

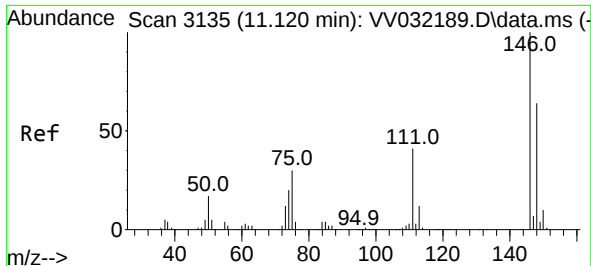
Tgt Ion:105 Resp: 310064

Ion Ratio Lower Upper

105 100

120 46.2 36.5 54.7

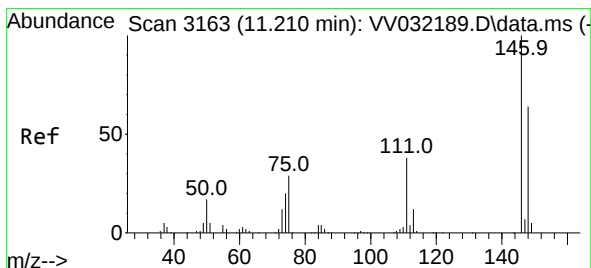
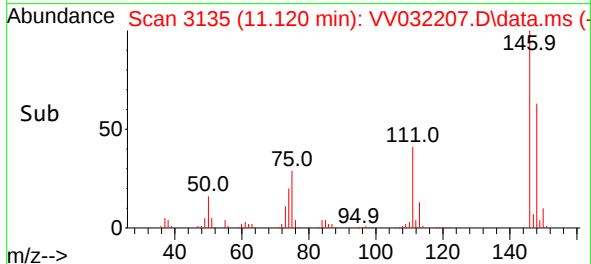
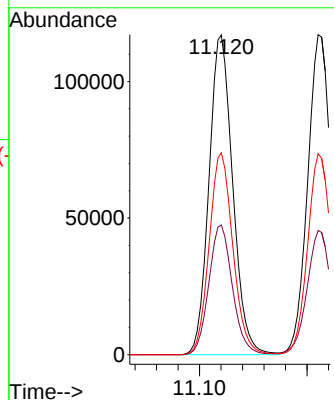
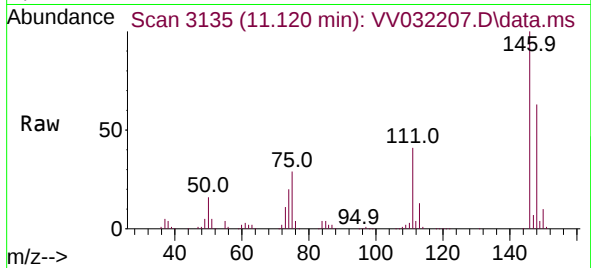




#64  
1,3-Dichlorobenzene  
Concen: 45.542 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

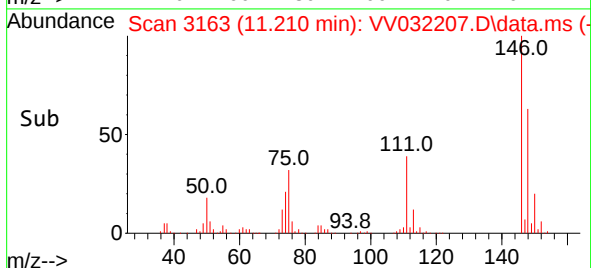
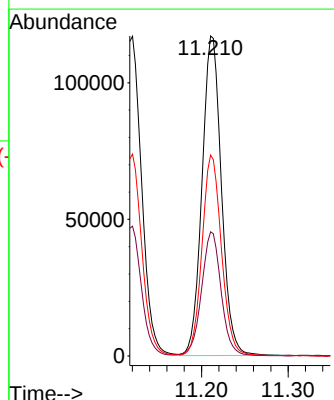
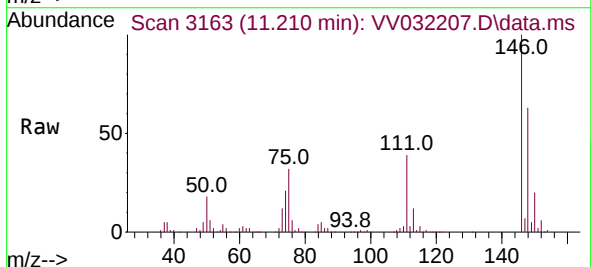
Instrument :  
MSVOA\_V  
ClientSampleId :

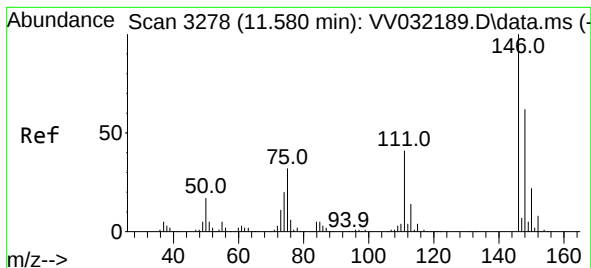
Tgt Ion:146 Resp: 179310  
Ion Ratio Lower Upper  
146 100  
111 40.6 28.3 52.5  
148 63.2 44.2 82.0



#65  
1,4-Dichlorobenzene  
Concen: 45.696 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. -0.000 min  
Lab File: VV032207.D  
Acq: 03 Oct 2023 09:15

Tgt Ion:146 Resp: 181741  
Ion Ratio Lower Upper  
146 100  
111 38.8 27.5 51.1  
148 62.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 45.697 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

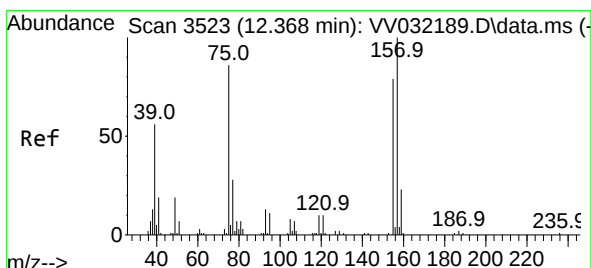
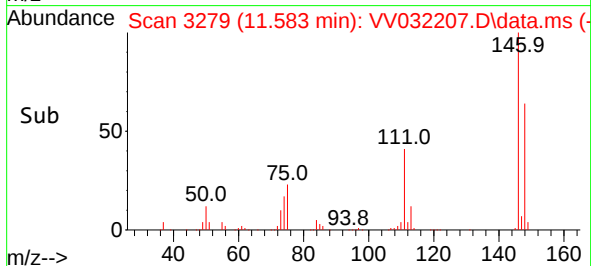
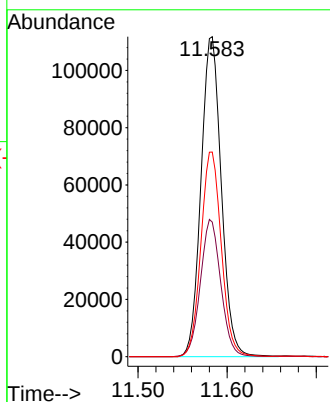
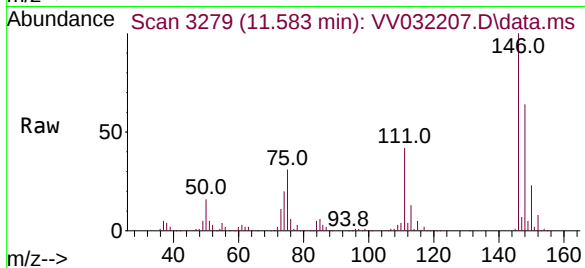
Tgt Ion:146 Resp: 176971

Ion Ratio Lower Upper

146 100

111 42.1 33.6 50.4

148 63.9 49.9 74.9



#68

1,2-Dibromo-3-chloropropane

Concen: 41.340 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

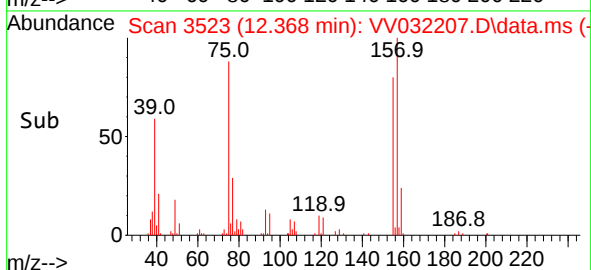
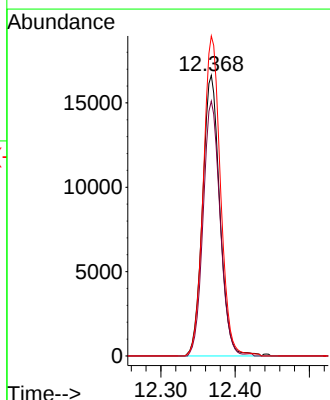
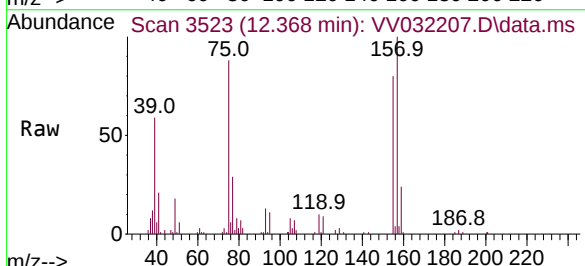
Tgt Ion: 75 Resp: 26848

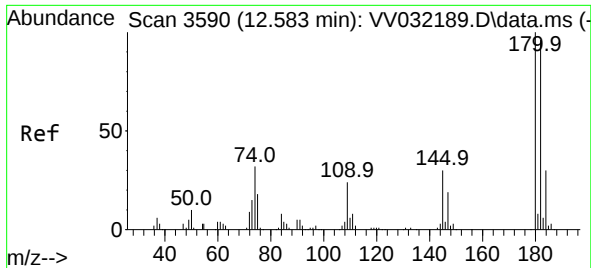
Ion Ratio Lower Upper

75 100

155 90.9 70.0 105.0

157 114.0 90.4 135.6





#69

1,3,5-Trichlorobenzene

Concen: 43.608 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.003 min

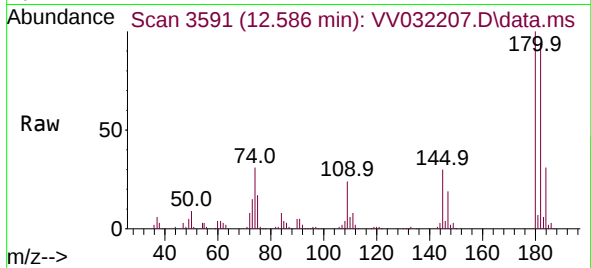
Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 124322

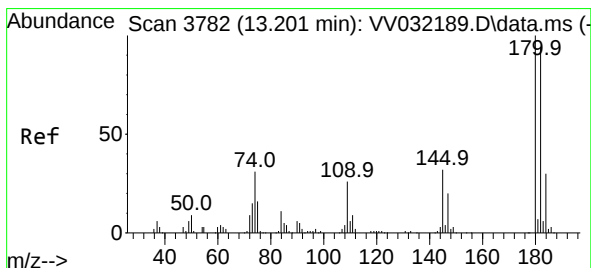
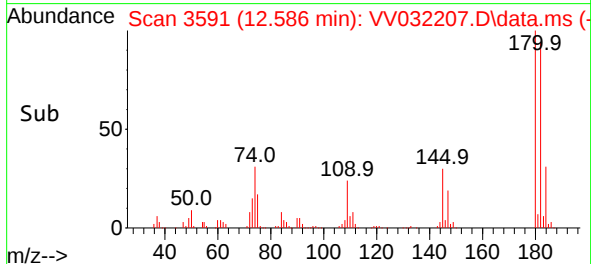
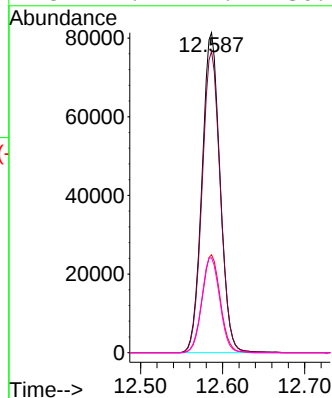
Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

184 30.6 23.9 35.9

145 29.9 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 43.402 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

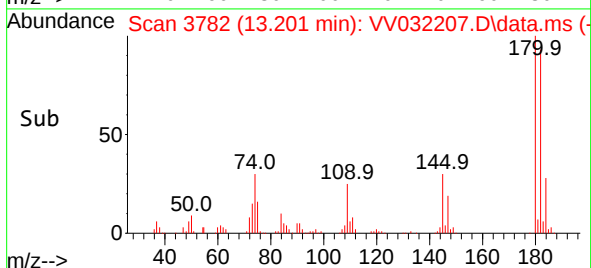
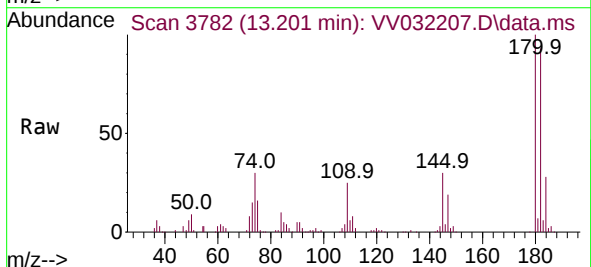
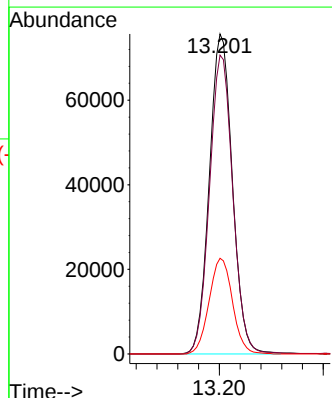
Tgt Ion:180 Resp: 116369

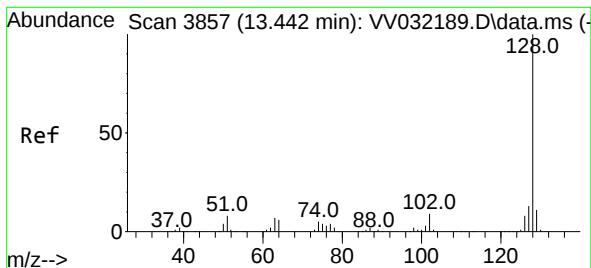
Ion Ratio Lower Upper

180 100

182 94.2 75.3 112.9

145 30.4 24.4 36.6





#71

Naphthalene

Concen: 39.250 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Instrument :

MSVOA\_V

ClientSampleId :

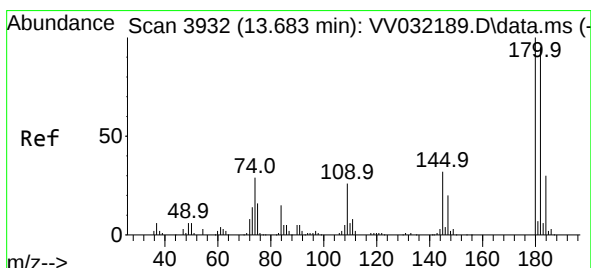
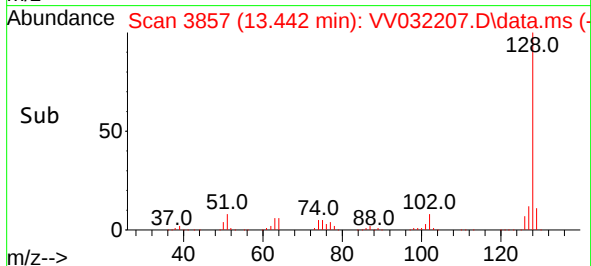
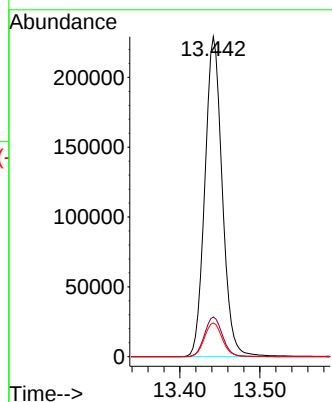
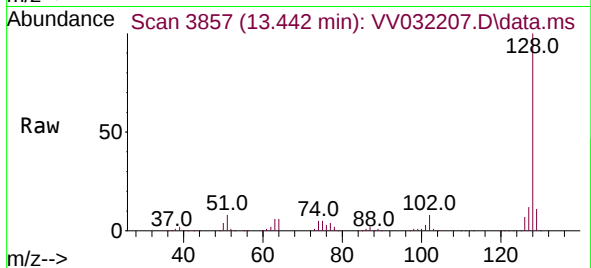
Tgt Ion:128 Resp: 346654

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 44.214 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032207.D

Acq: 03 Oct 2023 09:15

Tgt Ion:180 Resp: 117782

Ion Ratio Lower Upper

180 100

182 94.9 75.2 112.8

145 32.2 25.8 38.8

