

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041024\  
 Data File : VW035101.D  
 Acq On : 10 Apr 2024 12:04  
 Operator : SY/MD  
 Sample : P1968-03MSD 10X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E07R9MSD

Quant Time: Apr 11 06:57:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:53:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 288407     | 50.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 271633     | 50.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 130080     | 50.000    | ug/L  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 104173     | 37.401    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 74.800%   |       |          |
| 7) Chloroethane-d5            | 1.523          | 69   | 99308      | 41.050    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 82.100%   |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.056          | 65   | 47442      | 38.857    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 77.720%   |       |          |
| 21) 2-Butanone-d5             | 3.783          | 46   | 224135     | 135.683   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 135.680%# |       |          |
| 24) Chloroform-d              | 4.246          | 84   | 238577     | 50.945    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.900%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 158648     | 53.359    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 106.720%  |       |          |
| 32) Benzene-d6                | 4.957          | 84   | 435113     | 47.687    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.380%   |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 151844     | 52.407    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 104.820%  |       |          |
| 41) Toluene-d8                | 7.243          | 98   | 366562     | 44.609    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.220%   |       |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 65728      | 46.663    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 93.320%   |       |          |
| 47) 2-Hexanone-d5             | 8.021          | 63   | 141771     | 129.417   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 129.420%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 236965     | 59.390    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 118.780%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 137965     | 47.239    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.480%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105          | 85   | 77106      | 36.887    | ug/L  | 99       |
| 3) Chloromethane              | 1.214          | 50   | 132800     | 49.419    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.282          | 62   | 124983     | 44.365    | ug/L  | 98       |
| 6) Bromomethane               | 1.478          | 94   | 67574      | 32.000    | ug/L  | 99       |
| 8) Chloroethane               | 1.542          | 64   | 94732      | 49.236    | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.709          | 101  | 152332     | 41.198    | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066          | 101  | 91381      | 40.378    | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.066          | 96   | 93880      | 43.373    | ug/L  | 96       |
| 13) Acetone                   | 2.114          | 43   | 190439     | 125.572   | ug/L  | 97       |
| 14) Carbon disulfide          | 2.236          | 76   | 222896     | 36.568    | ug/L  | 100      |
| 15) Methyl Acetate            | 2.372          | 43   | 199041     | 83.284    | ug/L  | 99       |
| 16) Methylene chloride        | 2.446          | 84   | 148485     | 63.311    | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 2.693          | 96   | 101829     | 48.660    | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 2.703          | 73   | 524697     | 71.384    | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.108          | 63   | 263771     | 61.465    | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.812          | 96   | 138811     | 58.414    | ug/L  | 99       |
| 22) 2-Butanone                | 3.863          | 43   | 258873     | 147.102   | ug/L  | 97       |
| 23) Bromochloromethane        | 4.146          | 128  | 76637      | 64.459    | ug/L  | 96       |
| 25) Chloroform                | 4.272          | 83   | 260523     | 61.403    | ug/L  | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041024\  
 Data File : VW035101.D  
 Acq On : 10 Apr 2024 12:04  
 Operator : SY/MD  
 Sample : P1968-03MSD 10X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

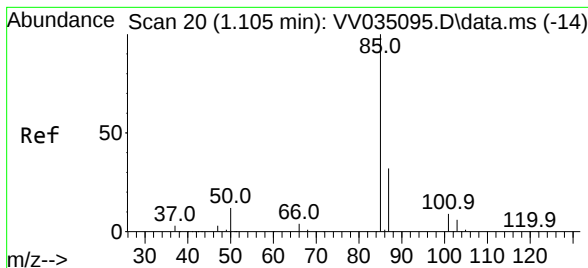
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E07R9MSD

Quant Time: Apr 11 06:57:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:53:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 224663   | 66.506  | ug/L  | 100      |
| 29) Cyclohexane               | 4.580  | 56   | 132009   | 38.802  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 183094   | 51.711  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.732  | 117  | 141446   | 47.132  | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 486968   | 54.978  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 113000   | 47.271  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 135211   | 37.453  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 153572   | 62.738  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 202537   | 64.129  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 210989   | 54.716  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 497793   | 159.280 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 463307   | 49.962  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 212673   | 60.032  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 159678   | 69.210  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 72702    | 43.533  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 410697   | 154.509 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.175  | 129  | 150153   | 65.710  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 161624   | 65.068  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.812  | 112  | 298579   | 49.679  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 468159   | 45.552  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 171324   | 45.266  | ug/L  | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 181362   | 48.430  | ug/L  | 100      |
| 55) Styrene                   | 9.493  | 104  | 321263   | 50.765  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 273488   | 73.161  | ug/L  | 99       |
| 59) Bromoform                 | 9.664  | 173  | 114233   | 76.631  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 445917   | 47.551  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 218398   | 77.480  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 292073   | 47.957  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 369158   | 49.025  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 221533   | 50.551  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 223965   | 50.255  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 241723   | 55.370  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 62822    | 80.897  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 155294   | 49.169  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 148795   | 51.287  | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128  | 568802   | 70.666  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 170120   | 59.487  | ug/L  | 99       |

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

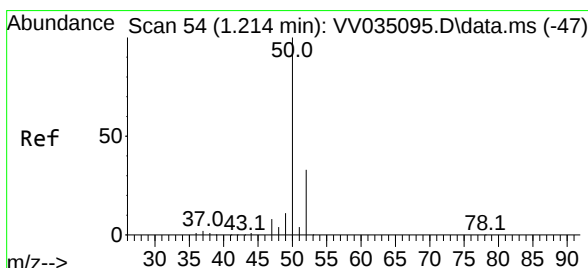
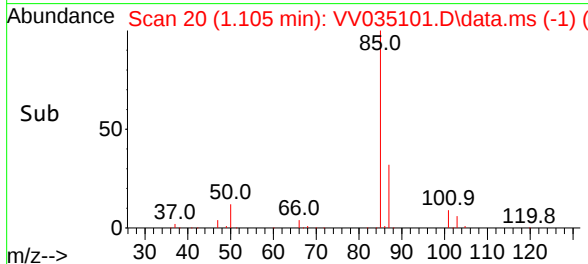
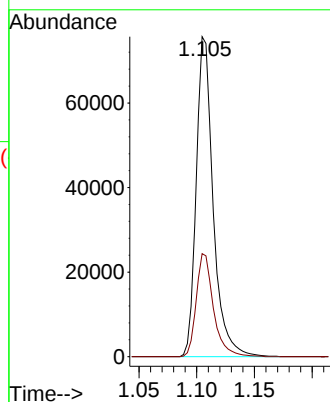
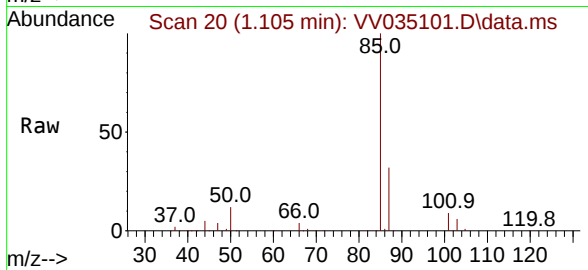




#2  
 Dichlorodifluoromethane  
 Concen: 36.887 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.003 min  
 Lab File: VV035101.D  
 Acq: 10 Apr 2024 12:04

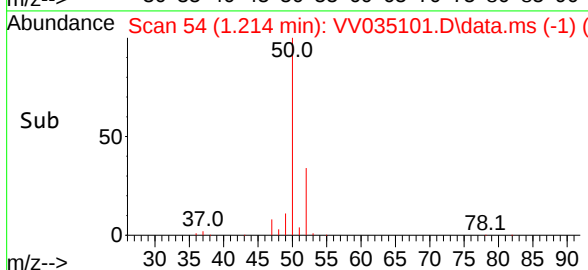
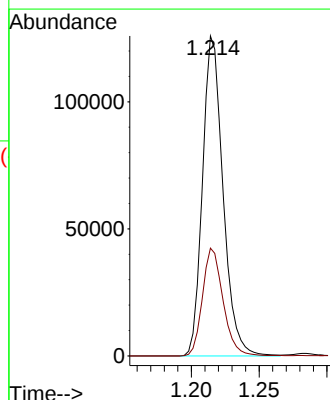
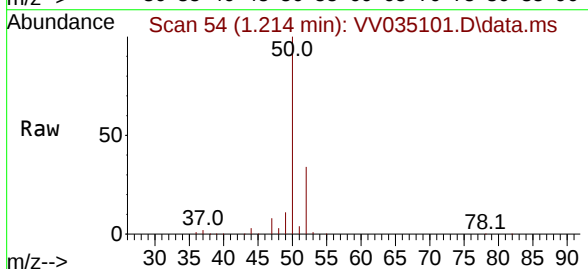
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E07R9MSD

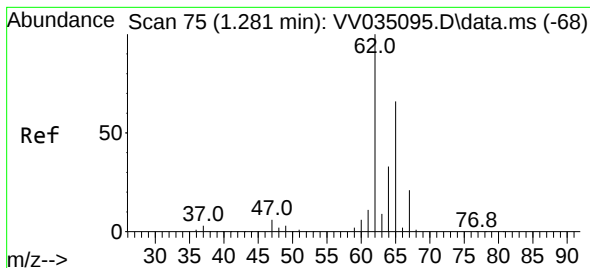
Tgt Ion: 85 Resp: 77106  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.7 38.5



#3  
 Chloromethane  
 Concen: 49.419 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.000 min  
 Lab File: VV035101.D  
 Acq: 10 Apr 2024 12:04

Tgt Ion: 50 Resp: 132800  
 Ion Ratio Lower Upper  
 50 100  
 52 33.7 23.0 42.8

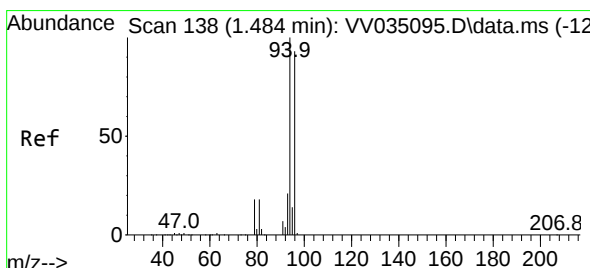
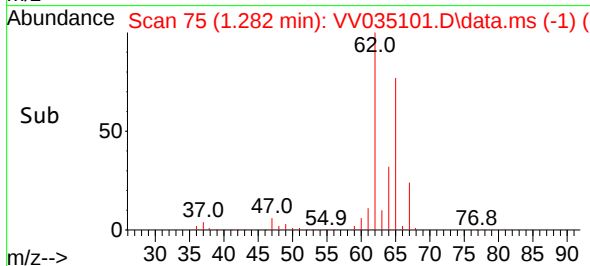
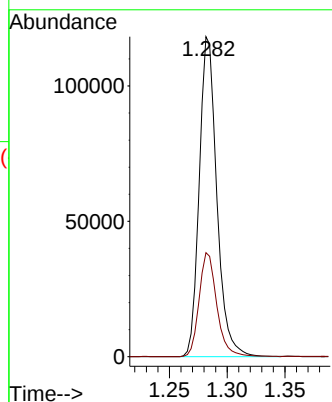
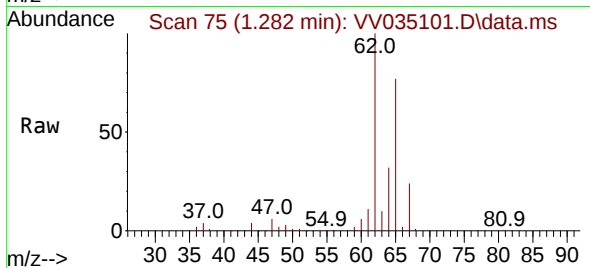




#5  
 Vinyl chloride  
 Concen: 44.365 ug/L  
 RT: 1.282 min Scan# 75  
 Delta R.T. -0.003 min  
 Lab File: VV035101.D  
 Acq: 10 Apr 2024 12:04

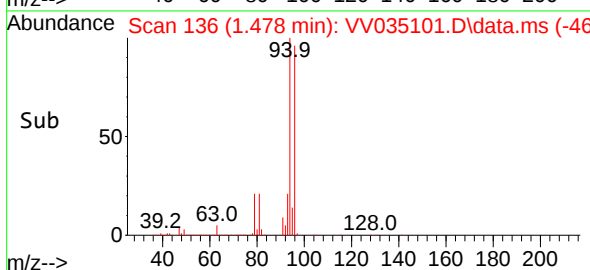
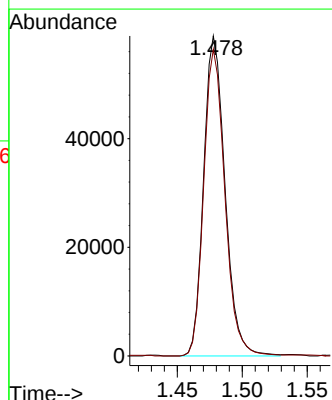
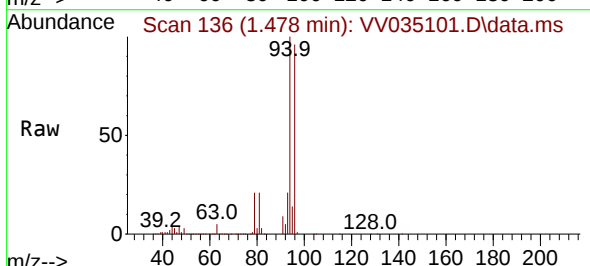
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E07R9MSD

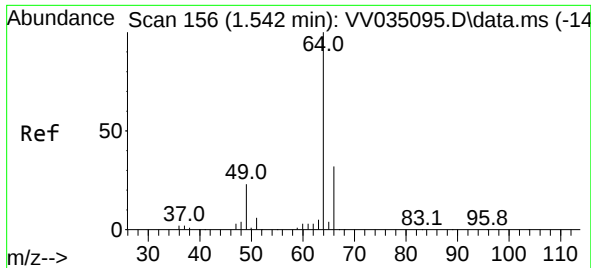
Tgt Ion: 62 Resp: 124983  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 23.6 43.8



#6  
 Bromomethane  
 Concen: 32.000 ug/L  
 RT: 1.478 min Scan# 136  
 Delta R.T. -0.010 min  
 Lab File: VV035101.D  
 Acq: 10 Apr 2024 12:04

Tgt Ion: 94 Resp: 67574  
 Ion Ratio Lower Upper  
 94 100  
 96 95.8 66.3 123.1

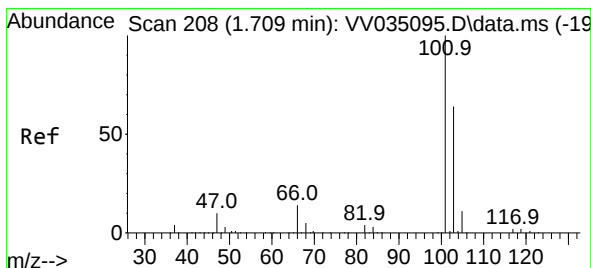
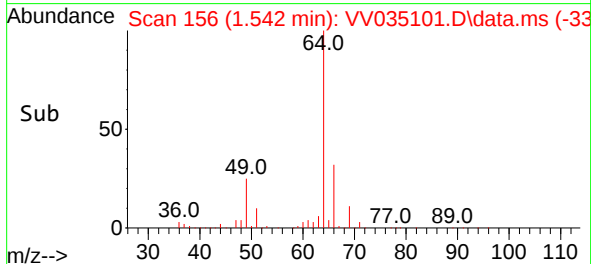
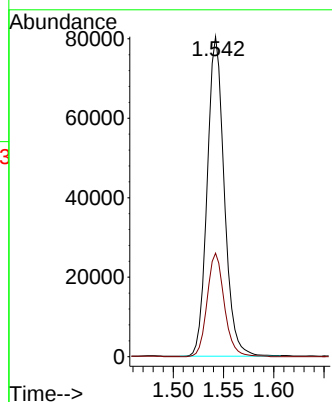
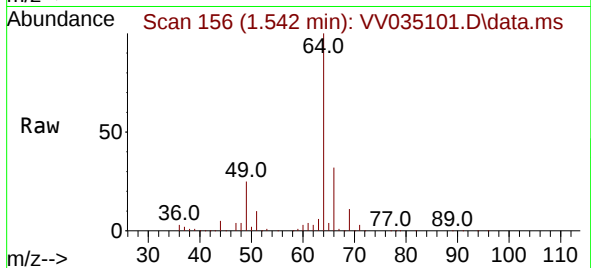




#8  
Chloroethane  
Concen: 49.236 ug/L  
RT: 1.542 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

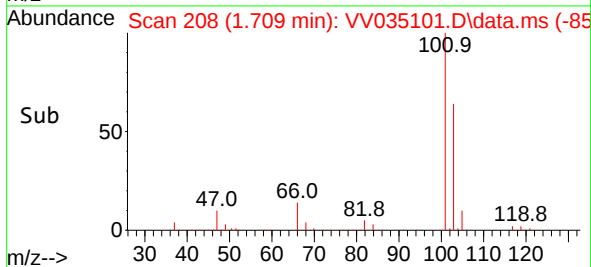
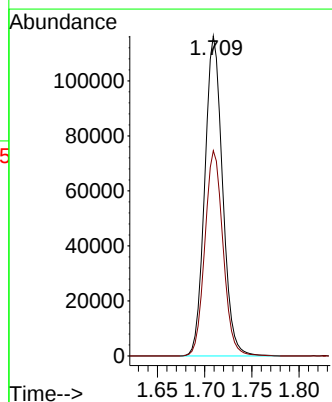
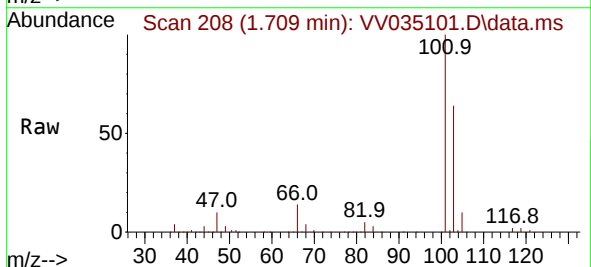
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

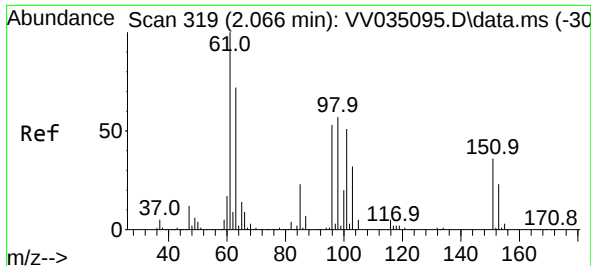
Tgt Ion: 64 Resp: 94732  
Ion Ratio Lower Upper  
64 100  
66 32.3 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 41.198 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion:101 Resp: 152332  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.6 77.4

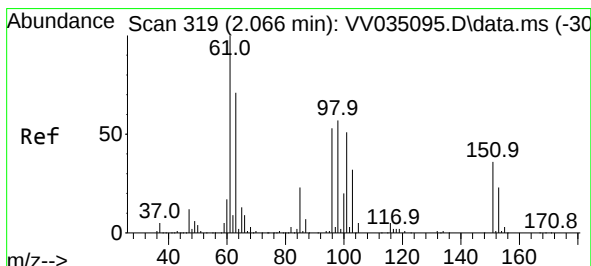
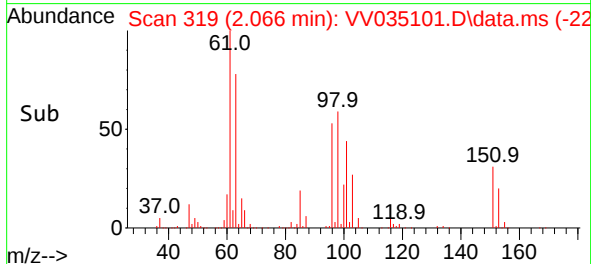
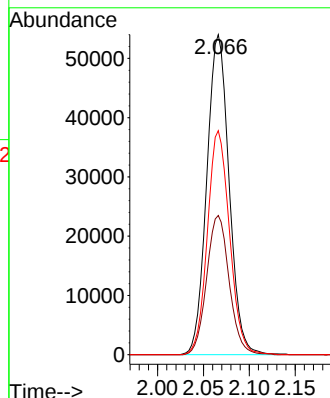
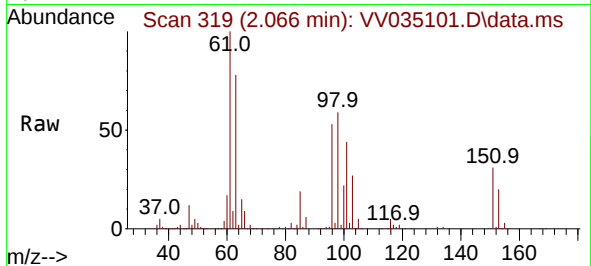




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 40.378 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

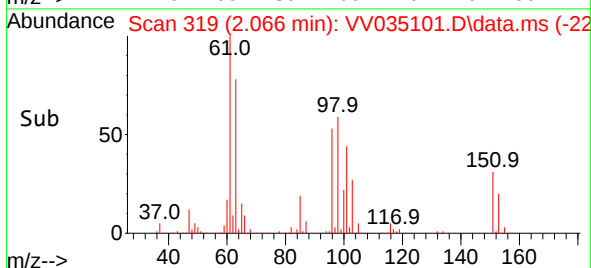
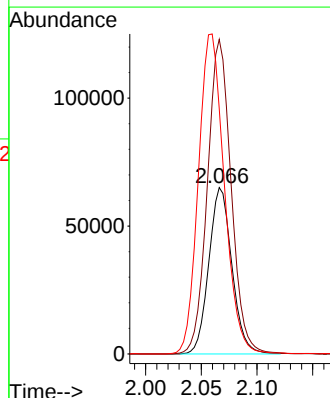
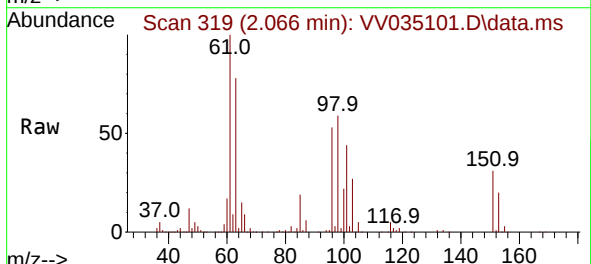
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

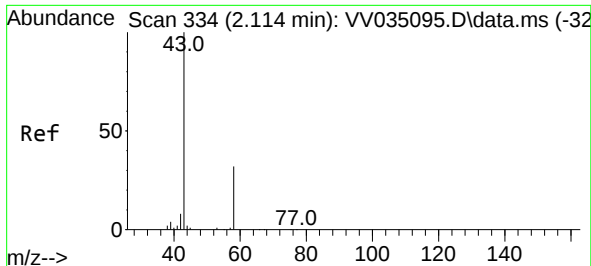
Tgt Ion:101 Resp: 91381  
Ion Ratio Lower Upper  
101 100  
85 44.0 35.3 52.9  
151 69.5 55.0 82.4



#12  
1,1-Dichloroethene  
Concen: 43.373 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. -0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 96 Resp: 93880  
Ion Ratio Lower Upper  
96 100  
61 189.1 131.5 244.3  
63 147.5 111.4 206.8





#13

Acetone

Concen: 125.572 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

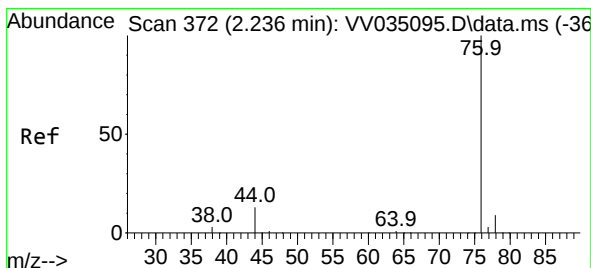
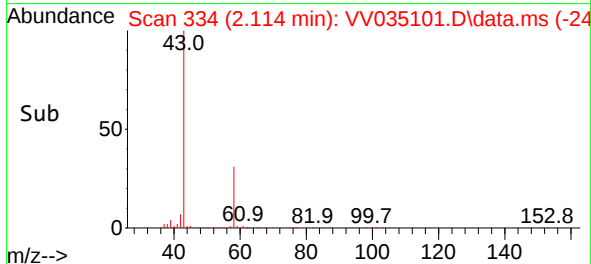
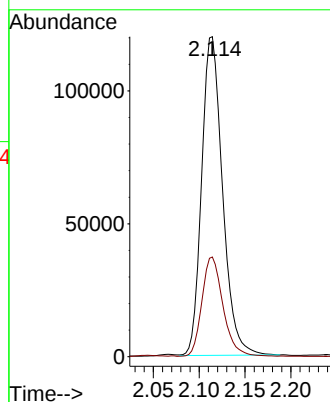
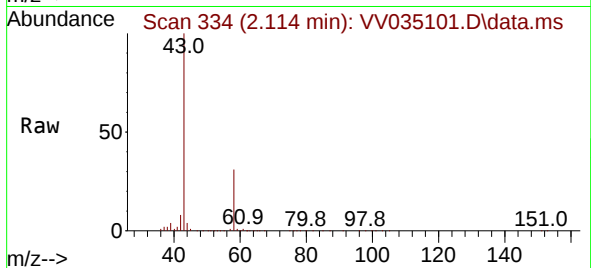
E07R9MSD

Tgt Ion: 43 Resp: 190439

Ion Ratio Lower Upper

43 100

58 31.5 0.0 66.0



#14

Carbon disulfide

Concen: 36.568 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV035101.D

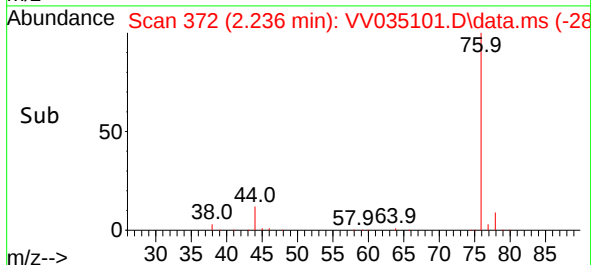
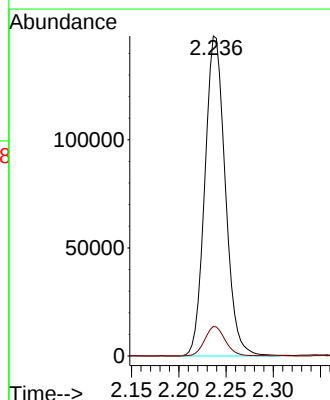
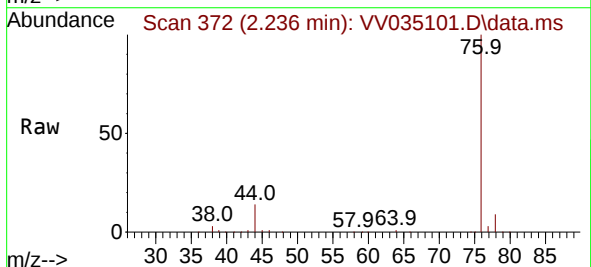
Acq: 10 Apr 2024 12:04

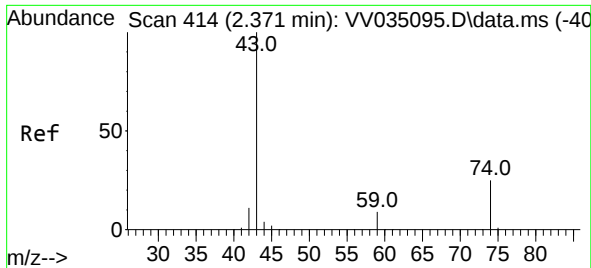
Tgt Ion: 76 Resp: 222896

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

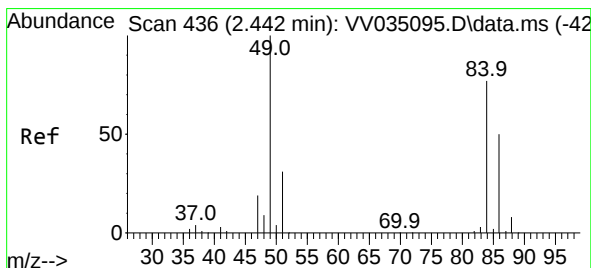
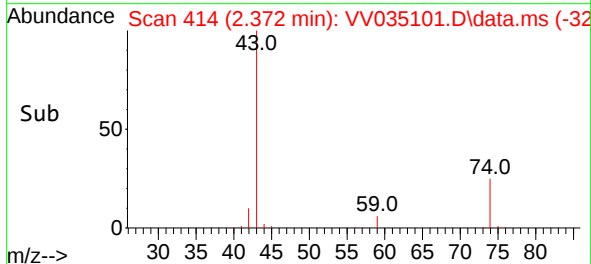
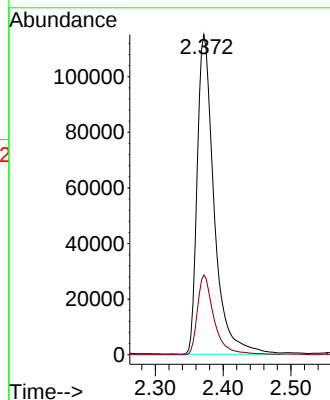
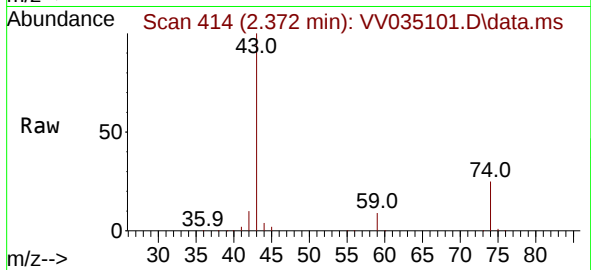




#15  
Methyl Acetate  
Concen: 83.284 ug/L  
RT: 2.372 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

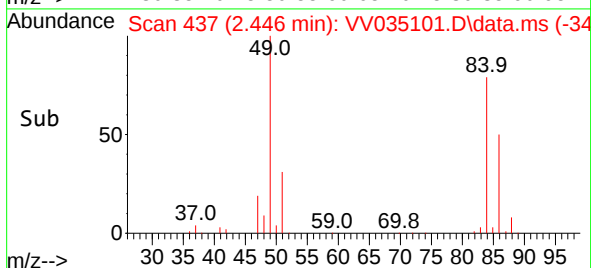
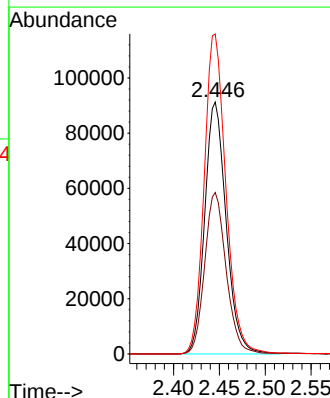
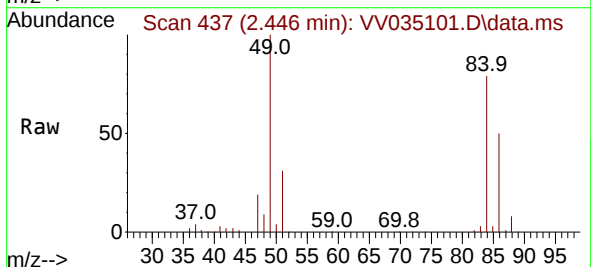
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

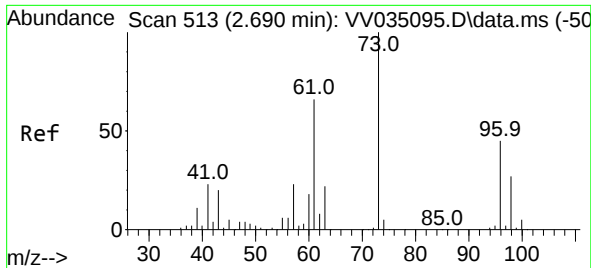
Tgt Ion: 43 Resp: 199041  
Ion Ratio Lower Upper  
43 100  
74 24.4 19.8 29.8



#16  
Methylene chloride  
Concen: 63.311 ug/L  
RT: 2.446 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 84 Resp: 148485  
Ion Ratio Lower Upper  
84 100  
86 64.1 44.6 82.8  
49 127.0 86.9 161.3

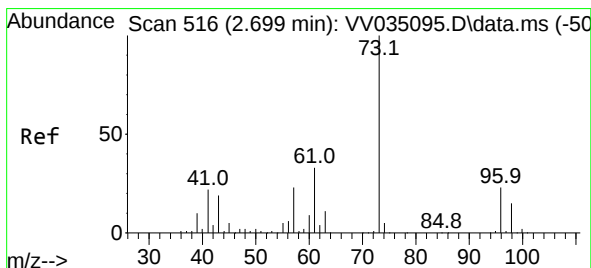
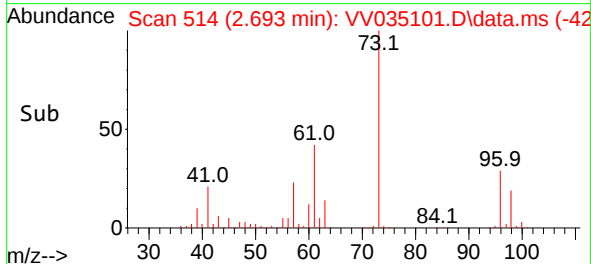
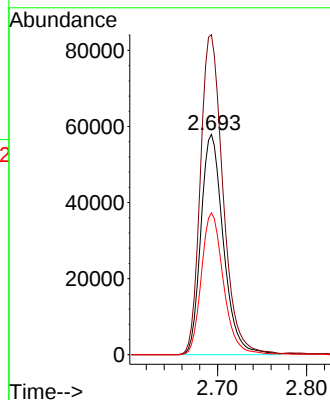
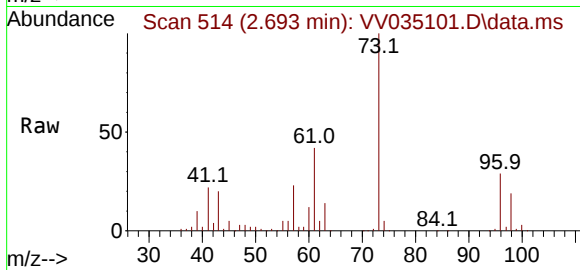




#17  
trans-1,2-Dichloroethene  
Concen: 48.660 ug/L  
RT: 2.693 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

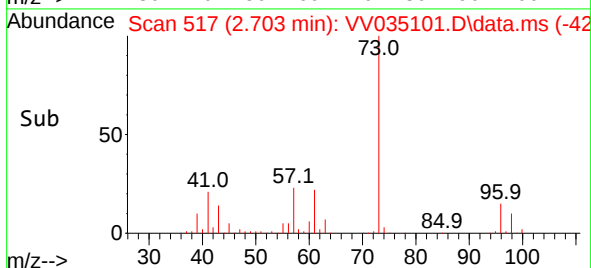
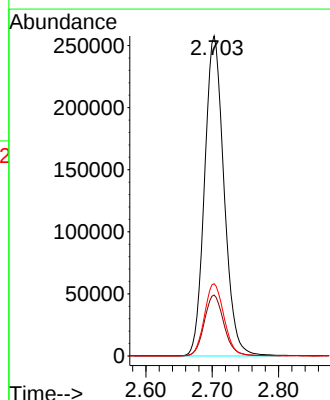
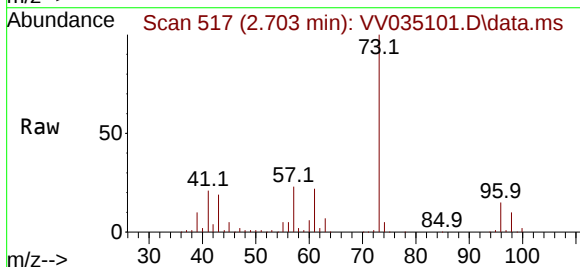
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

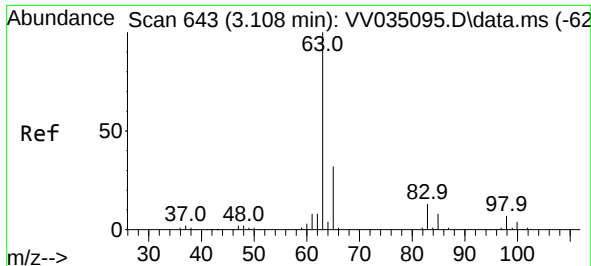
Tgt Ion: 96 Resp: 101829  
Ion Ratio Lower Upper  
96 100  
61 145.3 99.0 183.8  
98 64.4 44.3 82.3



#18  
Methyl tert-butyl Ether  
Concen: 71.384 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 73 Resp: 524697  
Ion Ratio Lower Upper  
73 100  
43 19.0 14.6 21.8  
57 22.9 17.6 26.4





#19

1,1-Dichloroethane

Concen: 61.465 ug/L

RT: 3.108 min Scan# 643

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

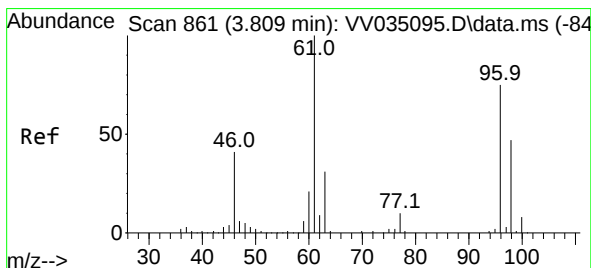
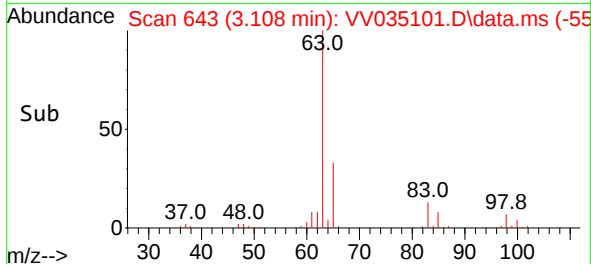
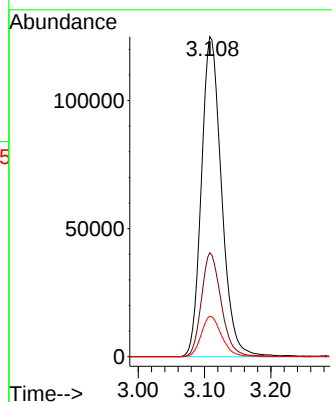
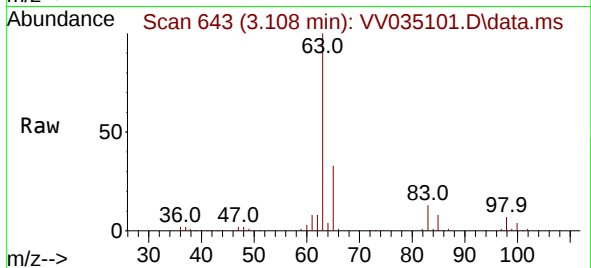
Tgt Ion: 63 Resp: 263771

Ion Ratio Lower Upper

63 100

65 32.5 23.0 42.6

83 12.6 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 58.414 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

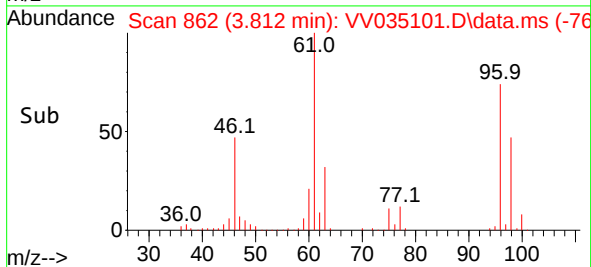
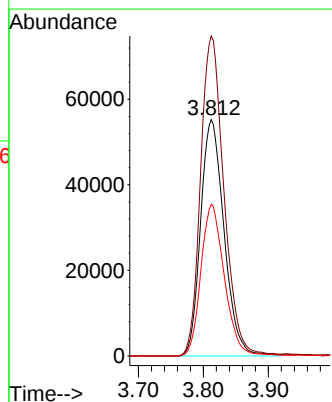
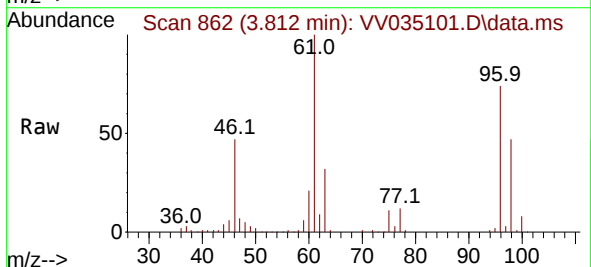
Tgt Ion: 96 Resp: 138811

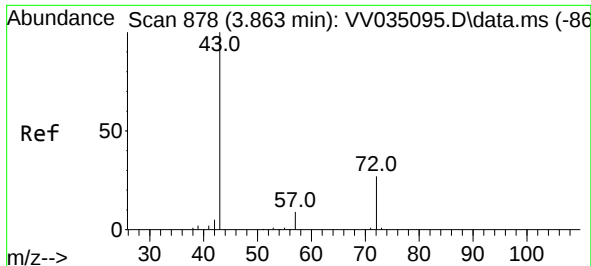
Ion Ratio Lower Upper

96 100

61 135.4 94.9 176.3

98 64.2 45.6 84.8

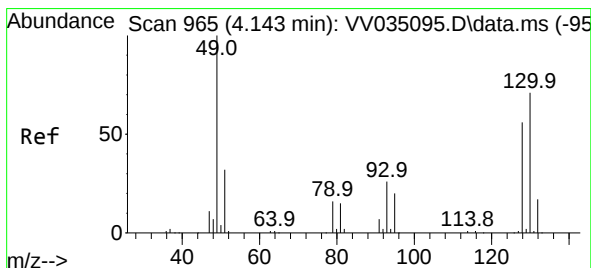
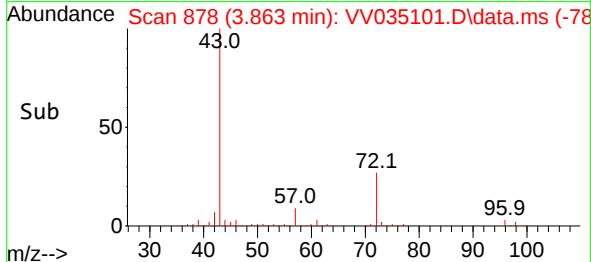
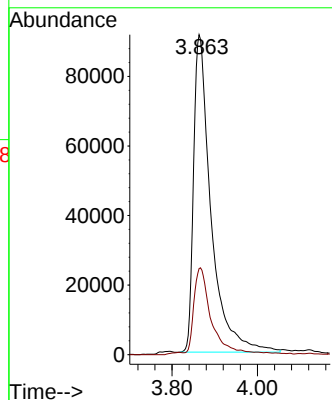
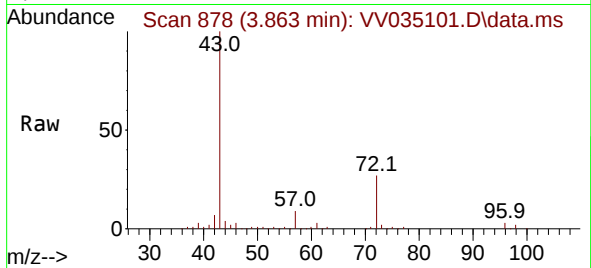




#22  
2-Butanone  
Concen: 147.102 ug/L  
RT: 3.863 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

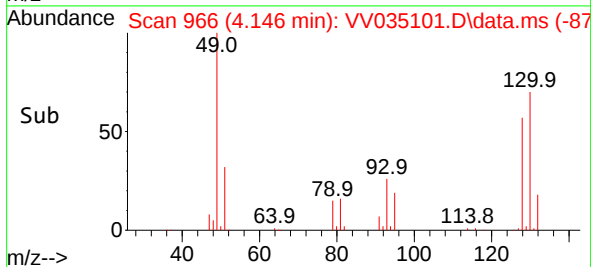
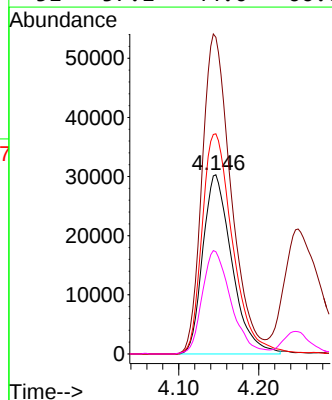
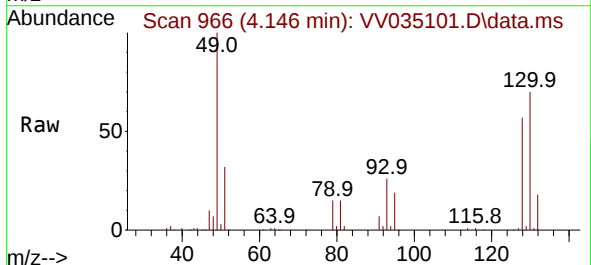
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

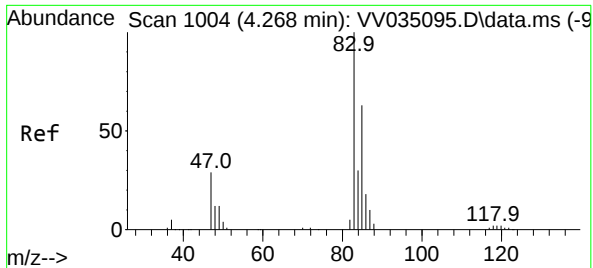
Tgt Ion: 43 Resp: 258873  
Ion Ratio Lower Upper  
43 100  
72 25.0 13.2 39.6



#23  
Bromochloromethane  
Concen: 64.459 ug/L  
RT: 4.146 min Scan# 966  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion:128 Resp: 76637  
Ion Ratio Lower Upper  
128 100  
49 176.8 123.8 229.8  
130 122.9 93.2 173.0  
51 57.1 44.0 66.0

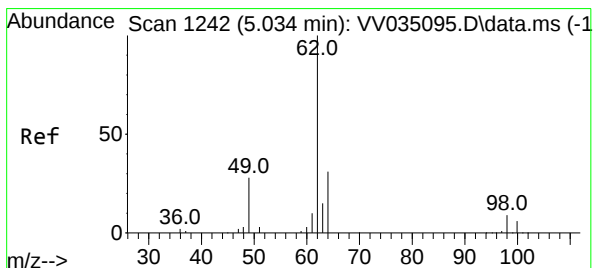
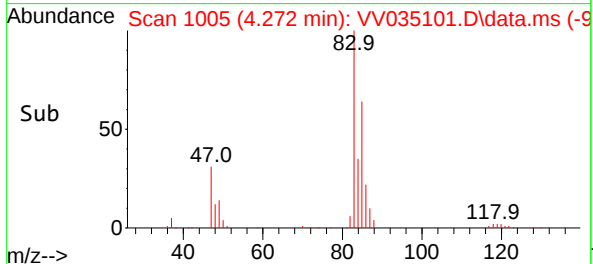
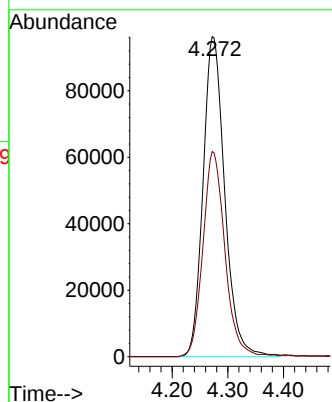
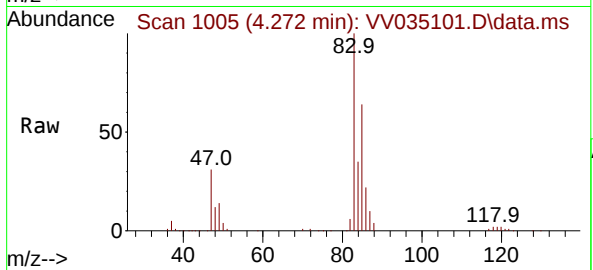




#25  
Chloroform  
Concen: 61.403 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

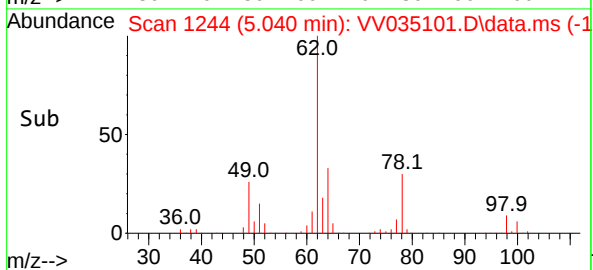
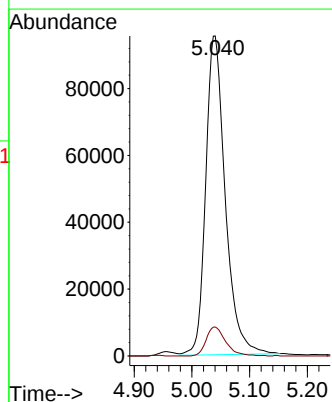
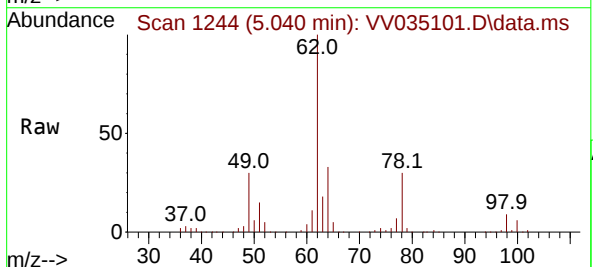
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

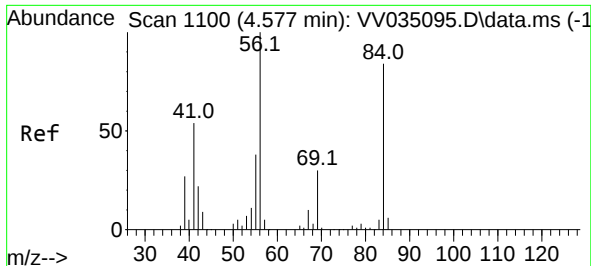
Tgt Ion: 83 Resp: 260523  
Ion Ratio Lower Upper  
83 100  
85 64.1 46.0 85.4



#27  
1,2-Dichloroethane  
Concen: 66.506 ug/L  
RT: 5.040 min Scan# 1244  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 62 Resp: 224663  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.2 10.8

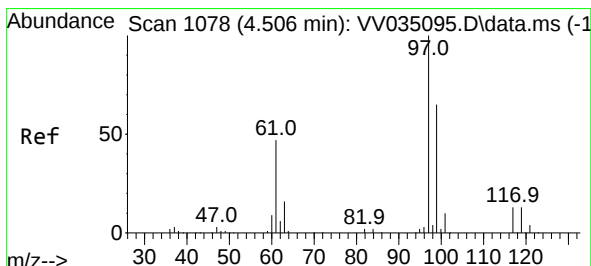
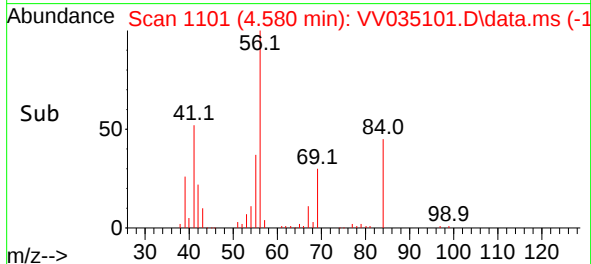
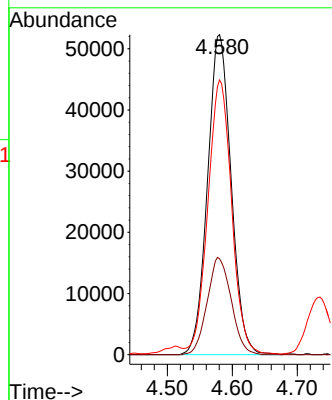
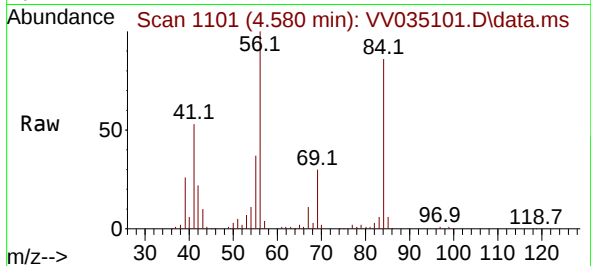




#29  
Cyclohexane  
Concen: 38.802 ug/L  
RT: 4.580 min Scan# 1100  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

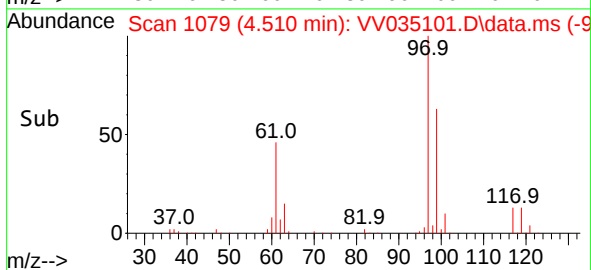
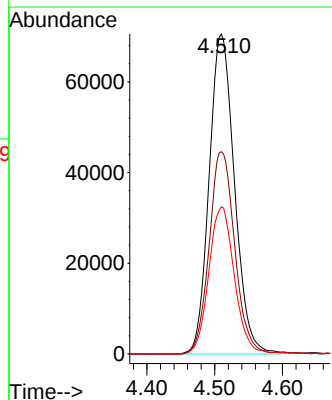
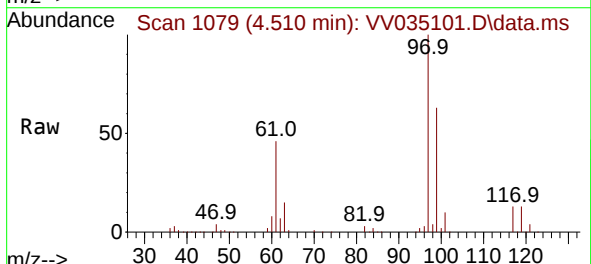
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

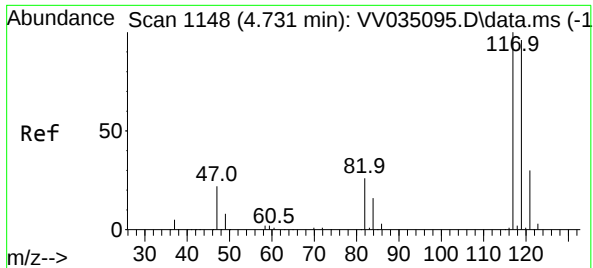
Tgt Ion: 56 Resp: 132009  
Ion Ratio Lower Upper  
56 100  
69 30.9 24.2 36.2  
84 85.3 69.8 104.8



#30  
1,1,1-Trichloroethane  
Concen: 51.711 ug/L  
RT: 4.510 min Scan# 1079  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 97 Resp: 183094  
Ion Ratio Lower Upper  
97 100  
99 63.6 51.0 76.4  
61 46.2 36.8 55.2

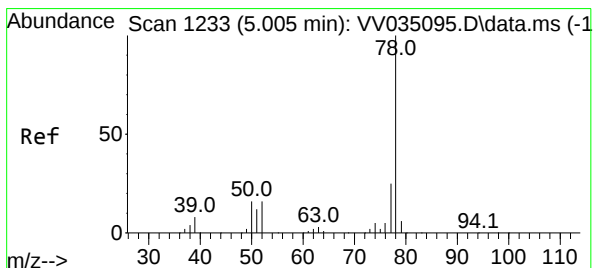
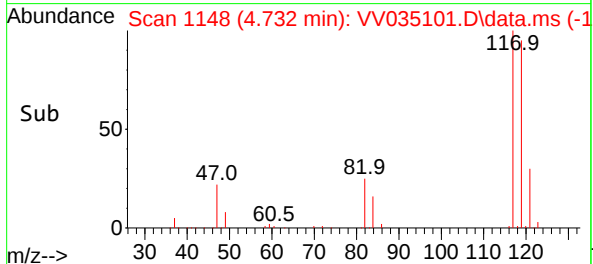
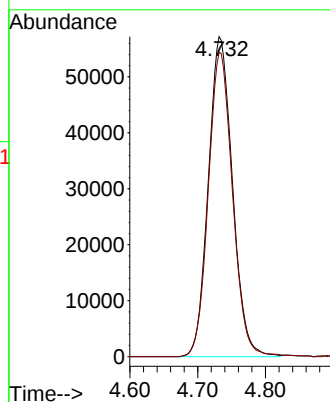
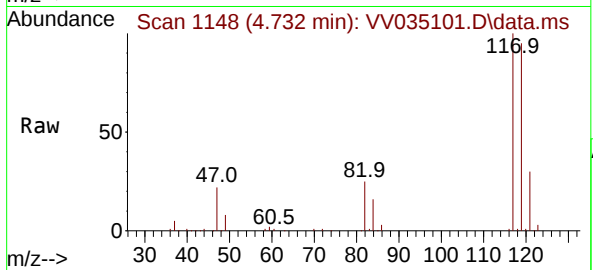




#31  
Carbon tetrachloride  
Concen: 47.132 ug/L  
RT: 4.732 min Scan# 1148  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

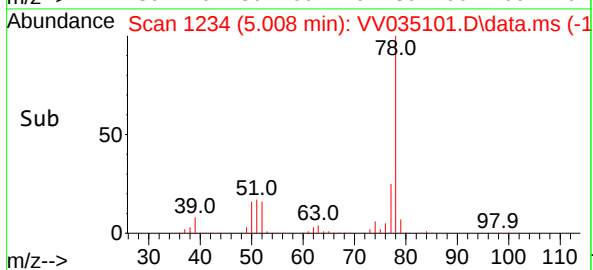
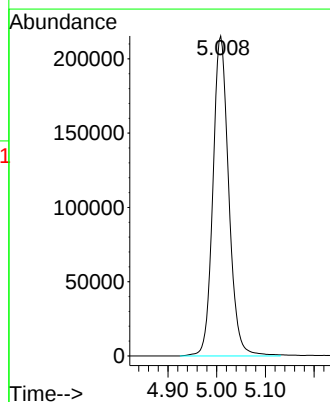
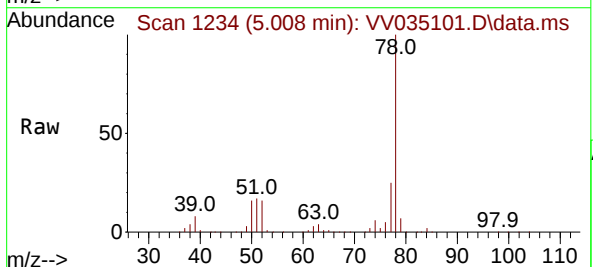
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

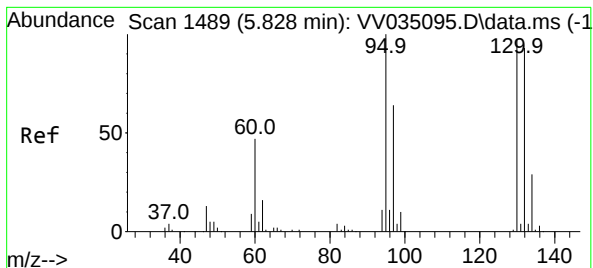
Tgt Ion:117 Resp: 141446  
Ion Ratio Lower Upper  
117 100  
119 95.4 77.1 115.7



#33  
Benzene  
Concen: 54.978 ug/L  
RT: 5.008 min Scan# 1234  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 78 Resp: 486968





#34

Trichloroethene

Concen: 47.271 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

Tgt Ion: 95 Resp: 113000

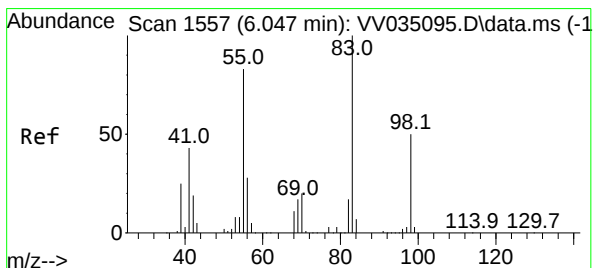
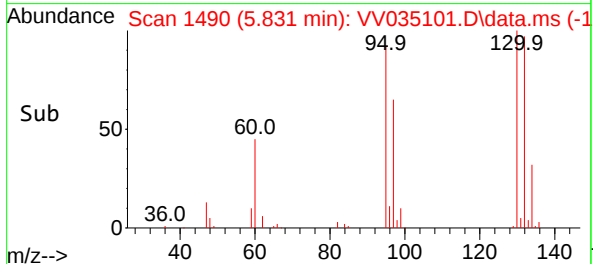
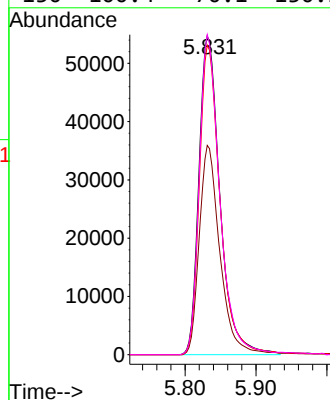
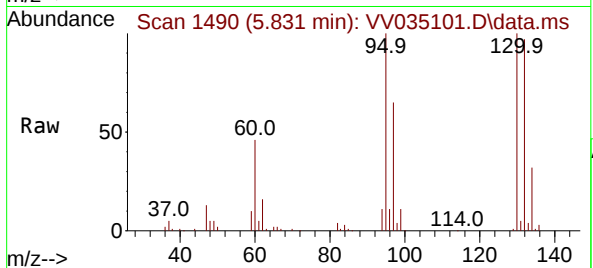
Ion Ratio Lower Upper

95 100

97 65.6 45.3 84.1

132 97.1 65.3 121.3

130 100.4 70.1 130.3



#35

Methylcyclohexane

Concen: 37.453 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

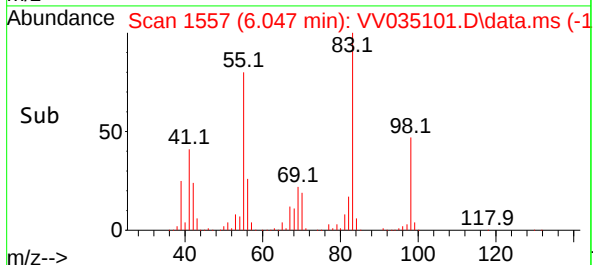
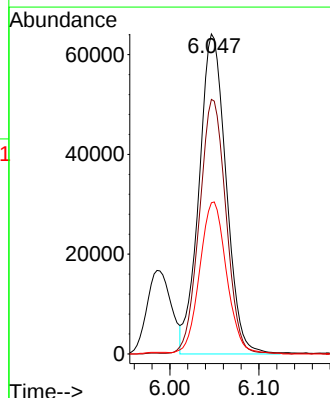
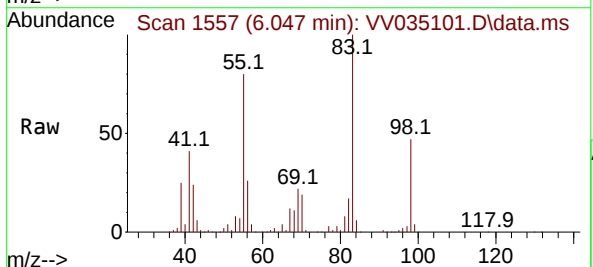
Tgt Ion: 83 Resp: 135211

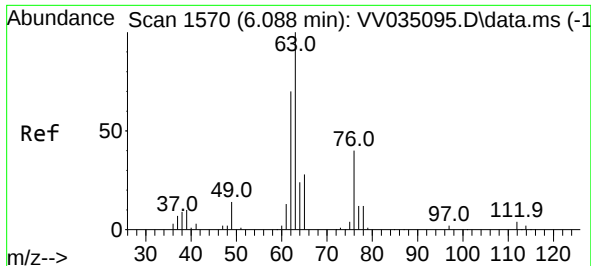
Ion Ratio Lower Upper

83 100

55 78.3 60.0 90.0

98 47.5 37.6 56.4





#37

1,2-Dichloropropane

Concen: 62.738 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

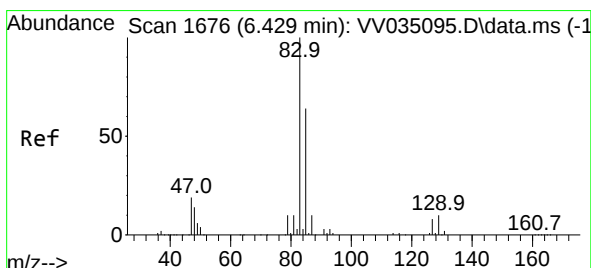
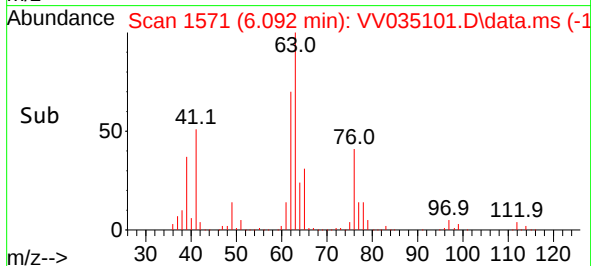
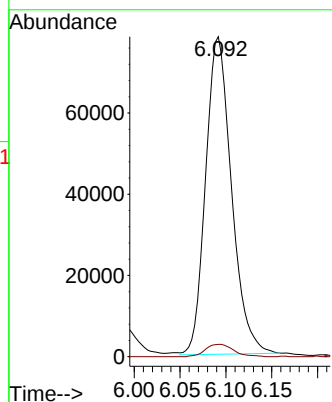
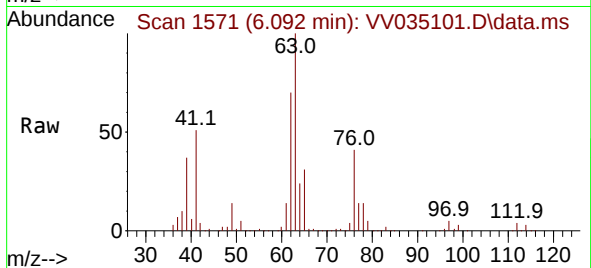
E07R9MSD

Tgt Ion: 63 Resp: 153572

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 64.129 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

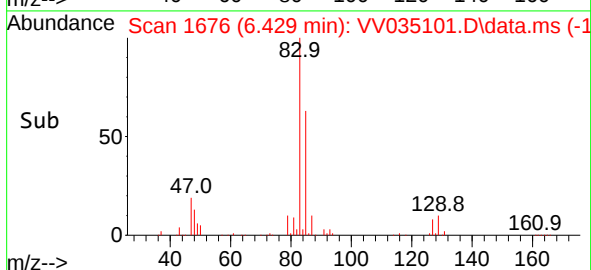
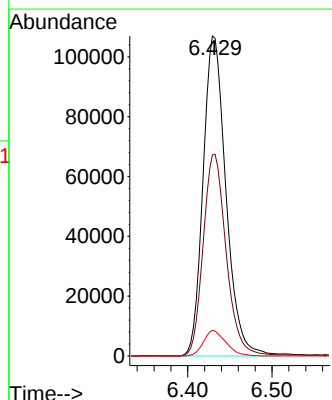
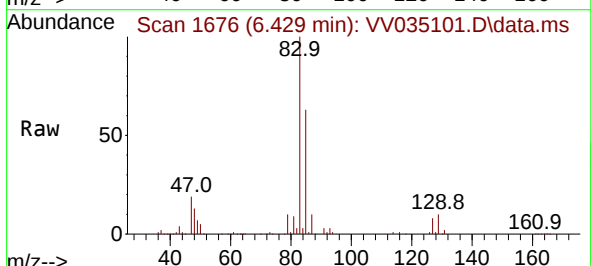
Tgt Ion: 83 Resp: 202537

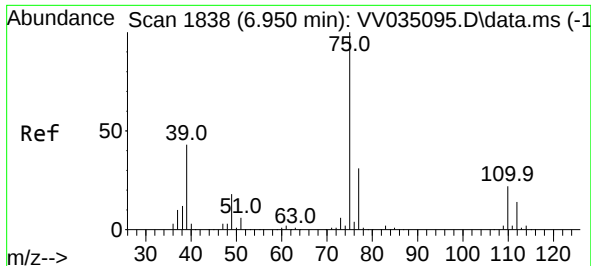
Ion Ratio Lower Upper

83 100

85 62.8 43.7 81.1

127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 54.716 ug/L

RT: 6.953 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

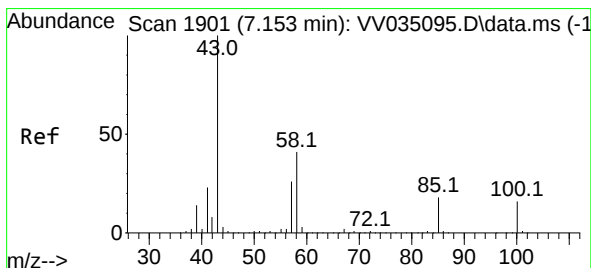
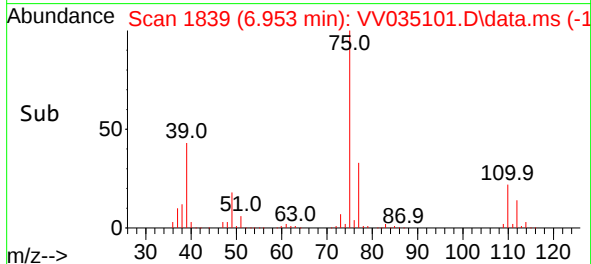
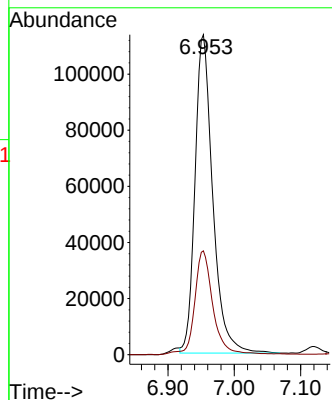
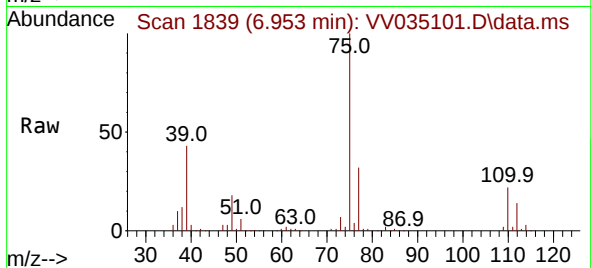
E07R9MSD

Tgt Ion: 75 Resp: 210989

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 159.280 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

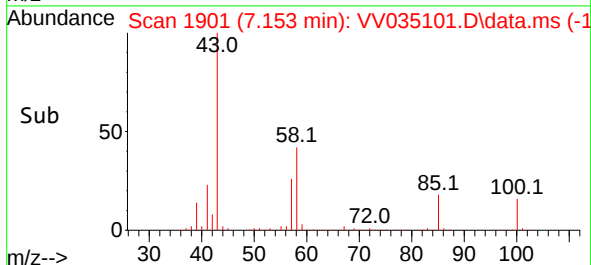
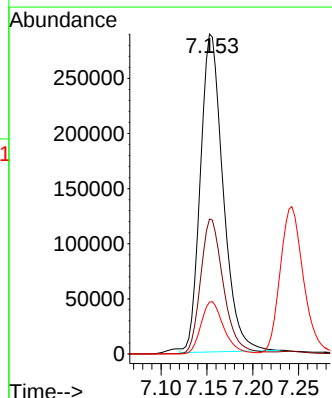
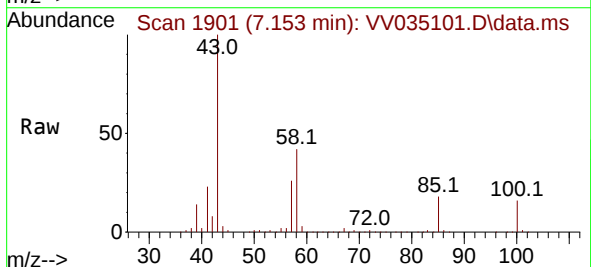
Tgt Ion: 43 Resp: 497793

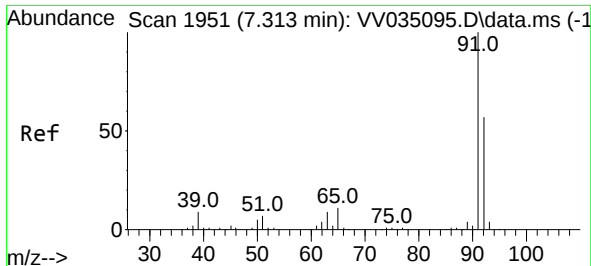
Ion Ratio Lower Upper

43 100

58 42.5 33.8 50.8

100 16.5 13.0 19.4





#42

Toluene

Concen: 49.962 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

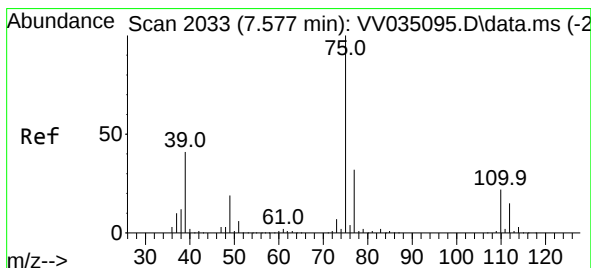
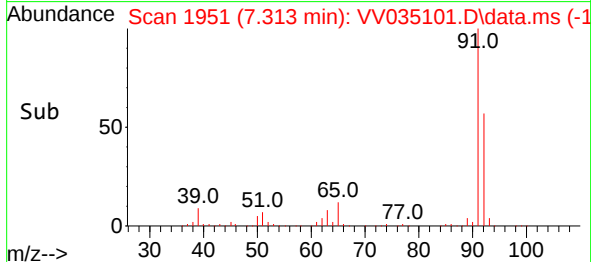
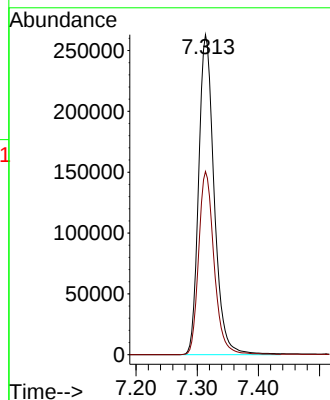
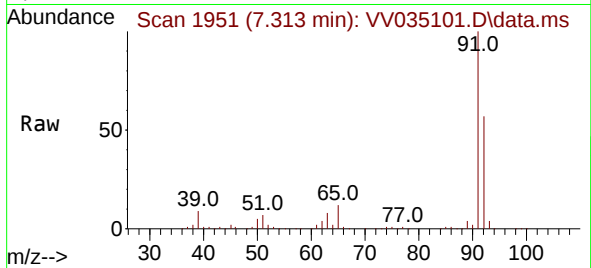
E07R9MSD

Tgt Ion: 91 Resp: 463307

Ion Ratio Lower Upper

91 100

92 57.3 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 60.032 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035101.D

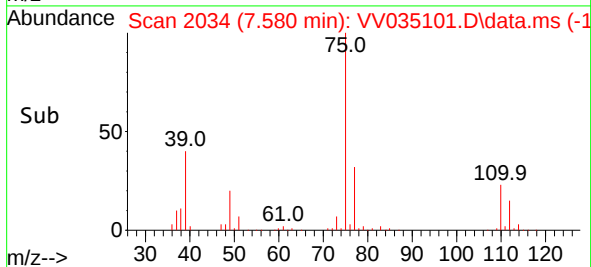
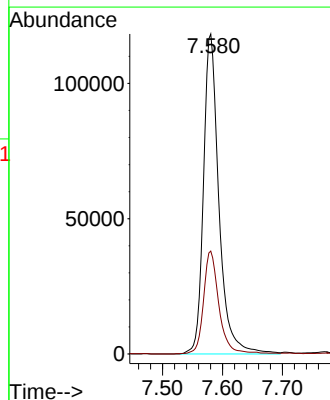
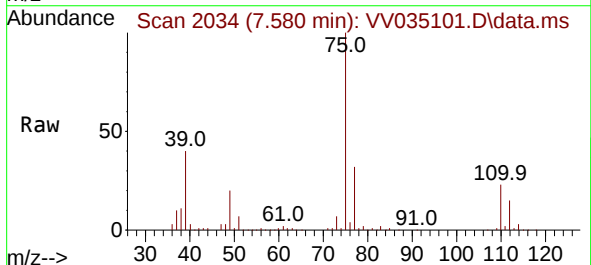
Acq: 10 Apr 2024 12:04

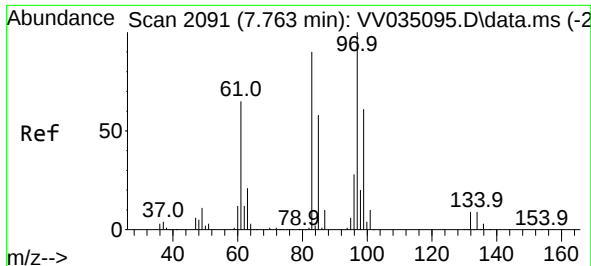
Tgt Ion: 75 Resp: 212673

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 69.210 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

Tgt Ion: 97 Resp: 159678

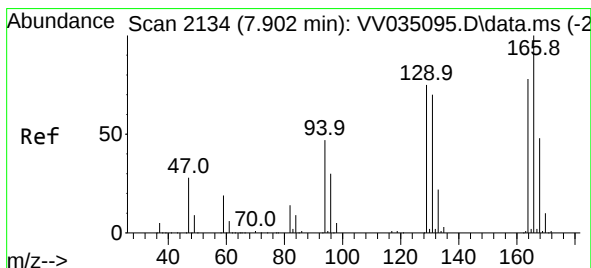
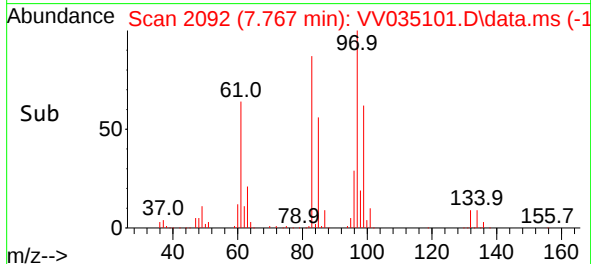
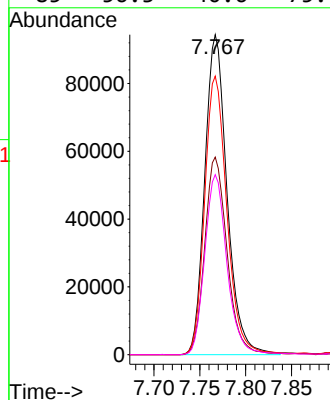
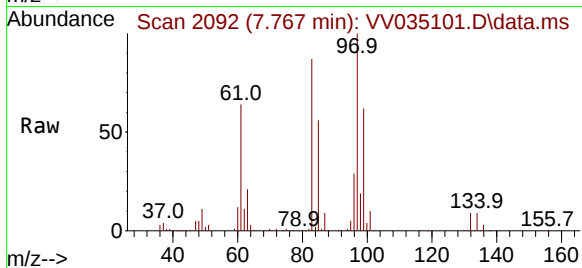
Ion Ratio Lower Upper

97 100

99 61.7 43.3 80.3

83 87.1 61.6 114.4

85 56.3 40.6 75.4



#46

Tetrachloroethene

Concen: 43.533 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Tgt Ion:164 Resp: 72702

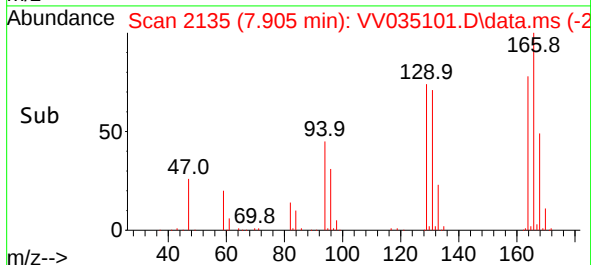
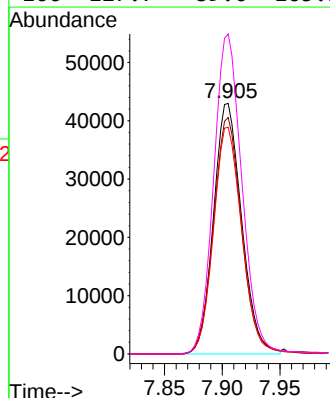
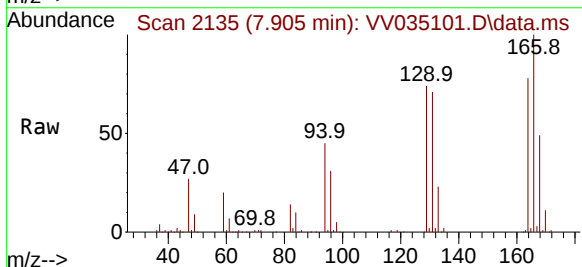
Ion Ratio Lower Upper

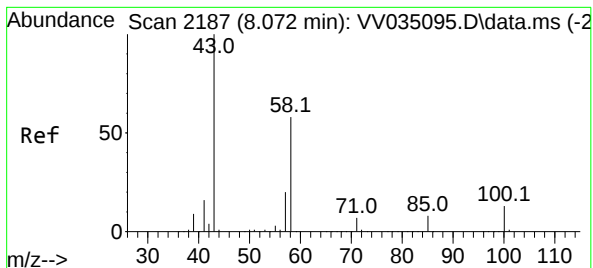
164 100

129 94.3 68.6 127.4

131 90.5 65.7 122.1

166 127.7 89.0 165.2





#48

2-Hexanone

Concen: 154.509 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

Tgt Ion: 43 Resp: 410697

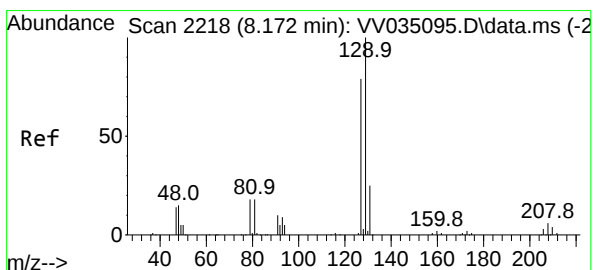
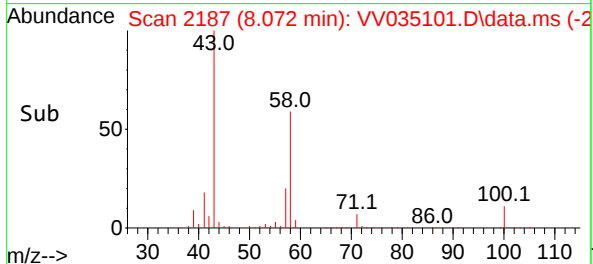
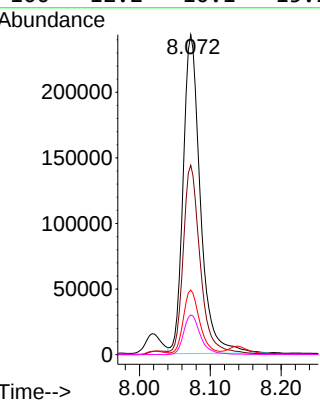
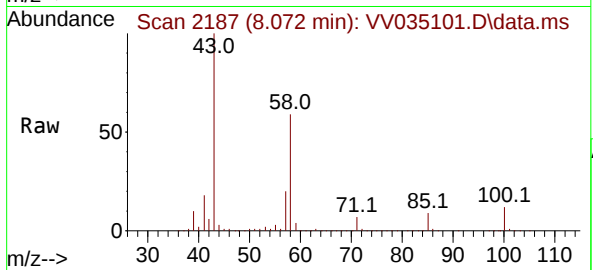
Ion Ratio Lower Upper

43 100

58 58.8 45.4 68.2

57 19.1 16.2 24.4

100 12.2 10.1 15.1



#49

Dibromochloromethane

Concen: 65.710 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV035101.D

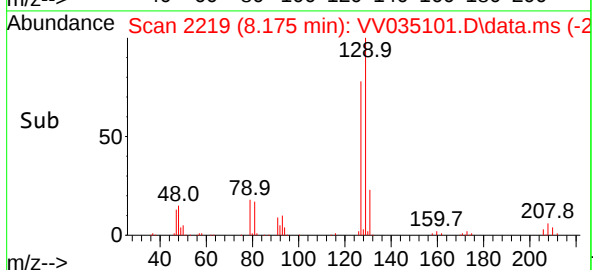
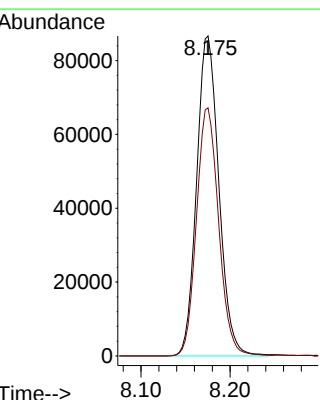
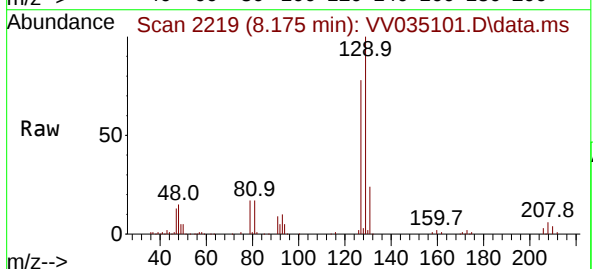
Acq: 10 Apr 2024 12:04

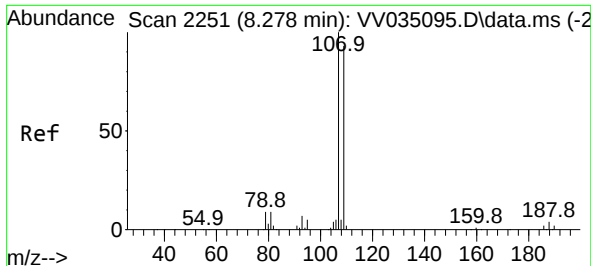
Tgt Ion: 129 Resp: 150153

Ion Ratio Lower Upper

129 100

127 77.5 54.1 100.5





#50

1,2-Dibromoethane

Concen: 65.068 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

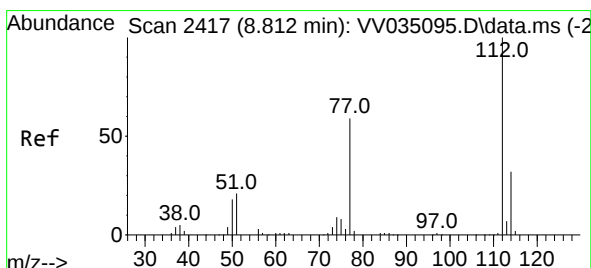
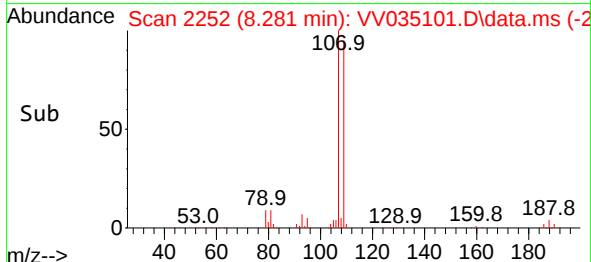
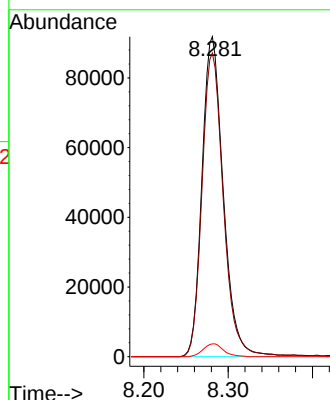
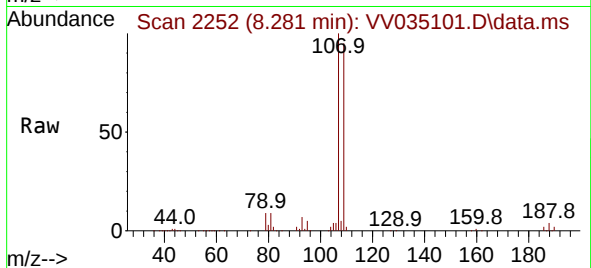
Tgt Ion:107 Resp: 161624

Ion Ratio Lower Upper

107 100

109 94.9 64.5 119.9

188 4.0 2.8 4.2



#51

Chlorobenzene

Concen: 49.679 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

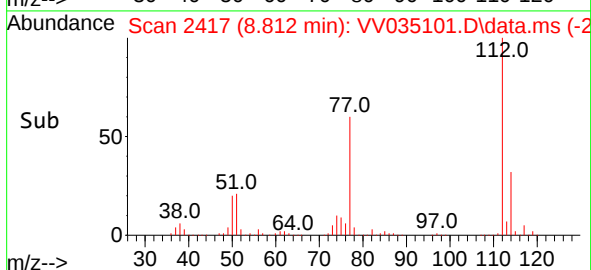
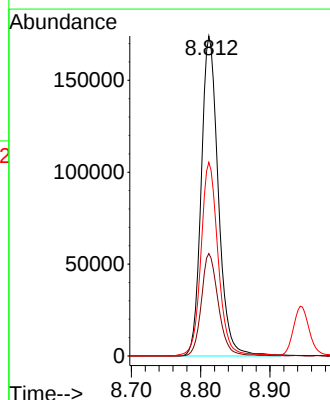
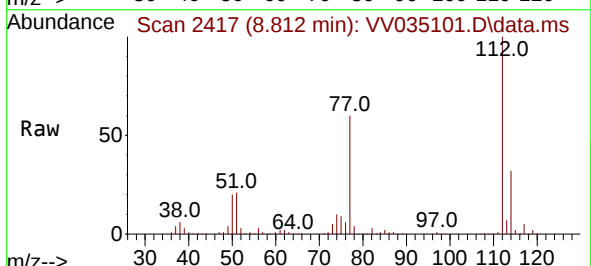
Tgt Ion:112 Resp: 298579

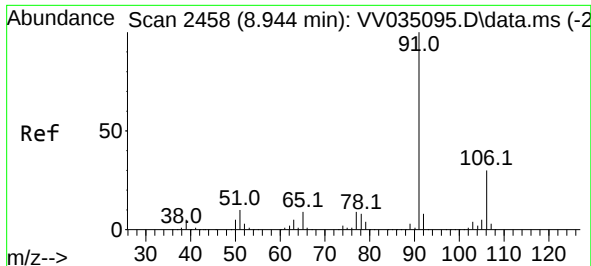
Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

77 60.5 47.4 71.2





#52

Ethylbenzene

Concen: 45.552 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

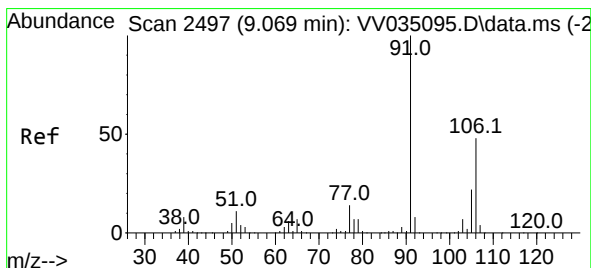
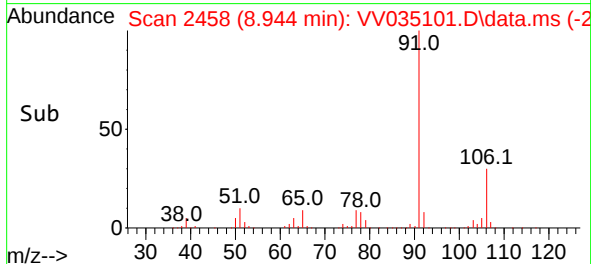
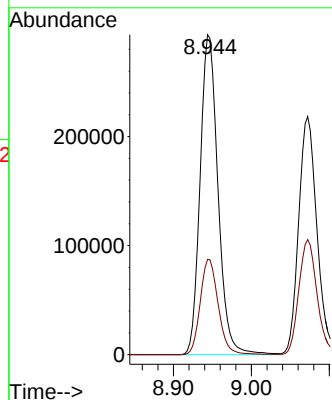
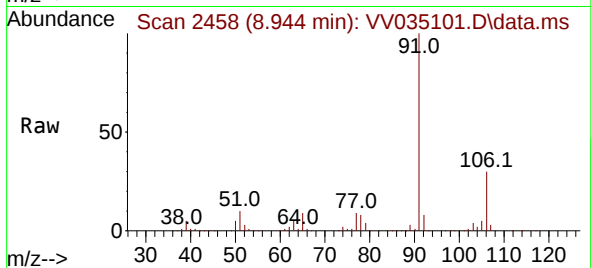
E07R9MSD

Tgt Ion: 91 Resp: 468159

Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.5



#53

m,p-Xylene

Concen: 45.266 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV035101.D

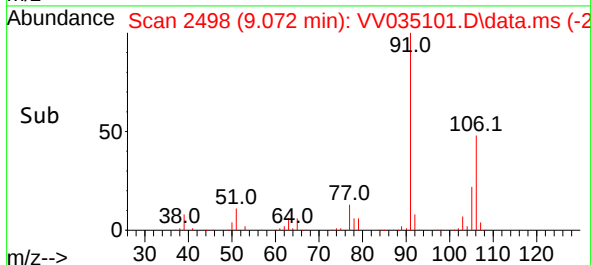
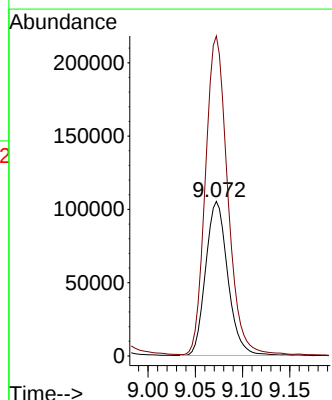
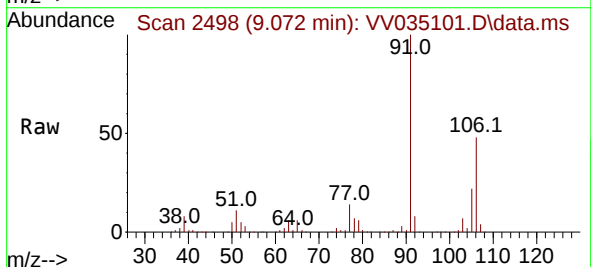
Acq: 10 Apr 2024 12:04

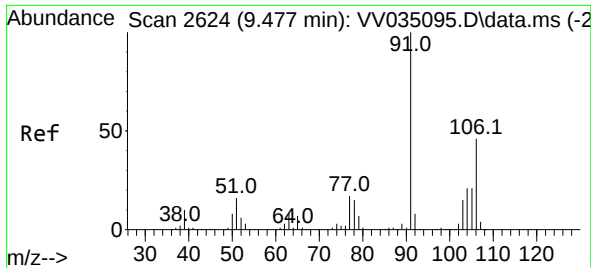
Tgt Ion: 106 Resp: 171324

Ion Ratio Lower Upper

106 100

91 207.1 144.8 269.0

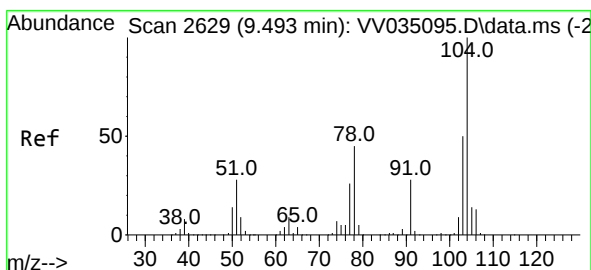
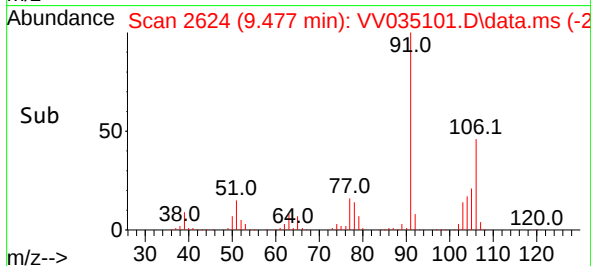
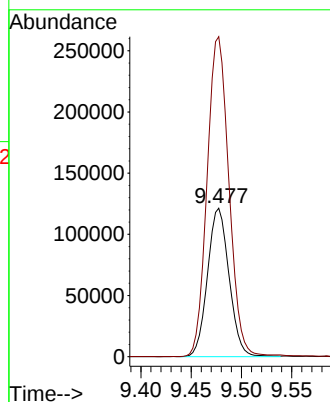
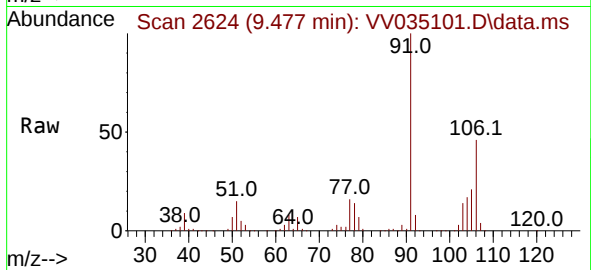




#54  
o-Xylene  
Concen: 48.430 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

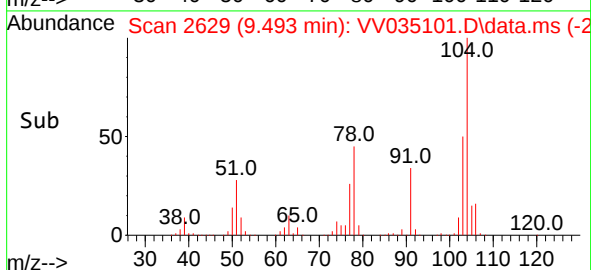
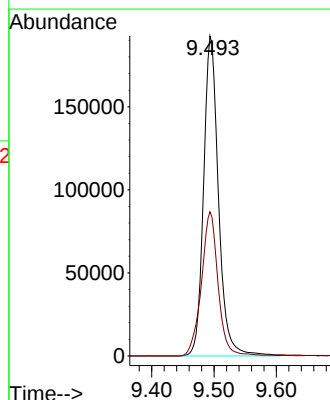
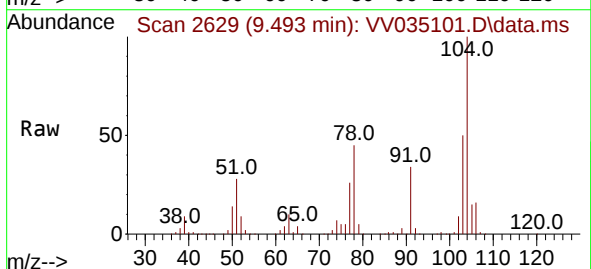
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

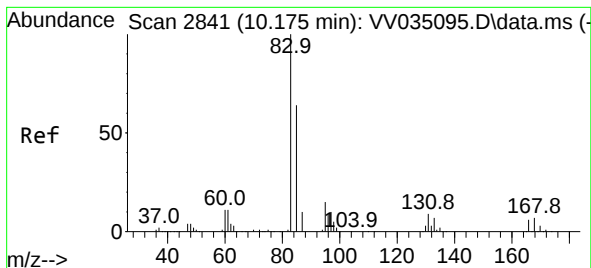
Tgt Ion:106 Resp: 181362  
Ion Ratio Lower Upper  
106 100  
91 215.5 151.3 280.9



#55  
Styrene  
Concen: 50.765 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion:104 Resp: 321263  
Ion Ratio Lower Upper  
104 100  
78 45.1 31.5 58.5

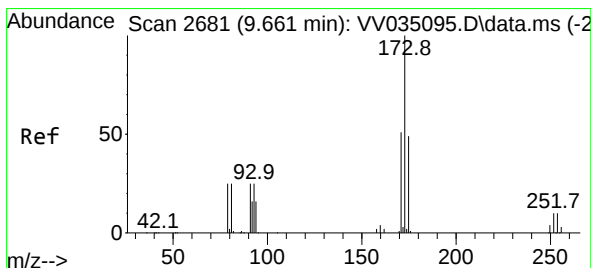
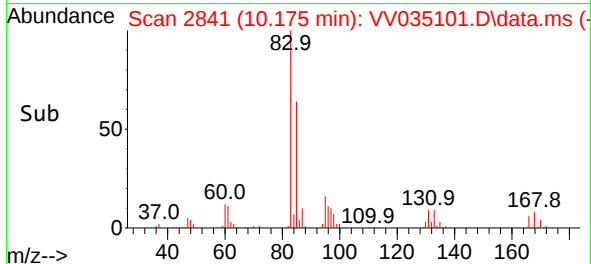
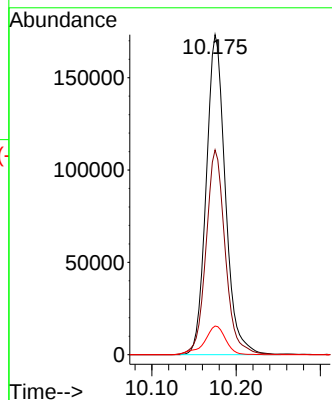
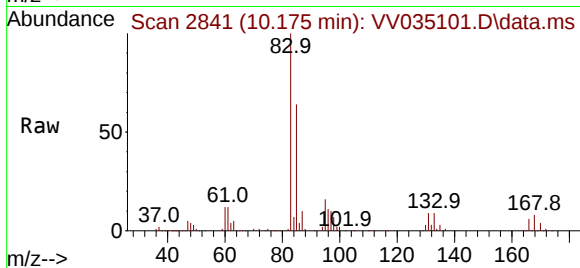




#57  
1,1,2,2-Tetrachloroethane  
Concen: 73.161 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

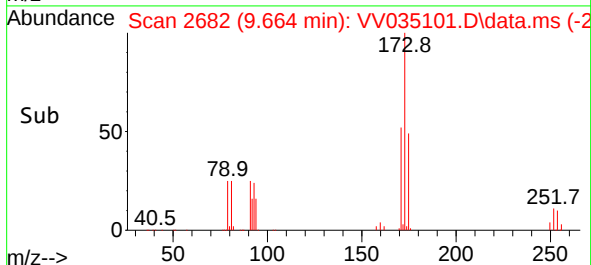
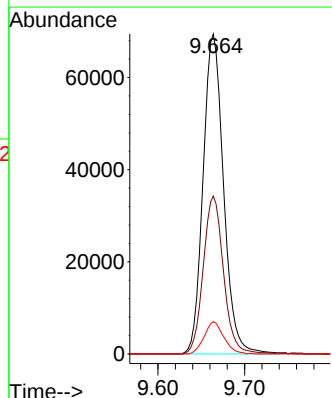
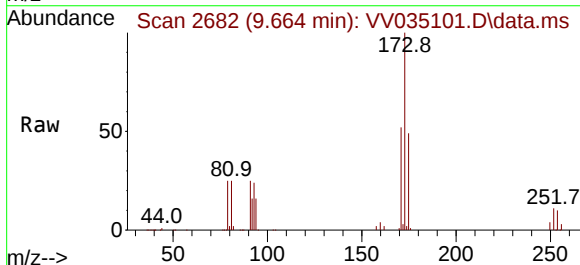
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

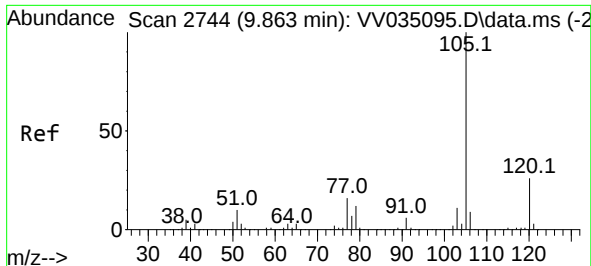
Tgt Ion: 83 Resp: 273488  
Ion Ratio Lower Upper  
83 100  
85 64.0 44.5 82.7  
131 8.9 6.9 10.3



#59  
Bromoform  
Concen: 76.631 ug/L  
RT: 9.664 min Scan# 2682  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 173 Resp: 114233  
Ion Ratio Lower Upper  
173 100  
175 48.7 39.3 58.9  
254 9.6 7.5 11.3

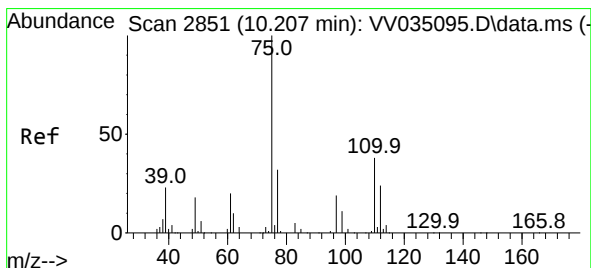
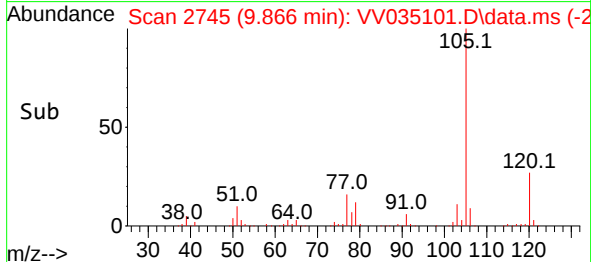
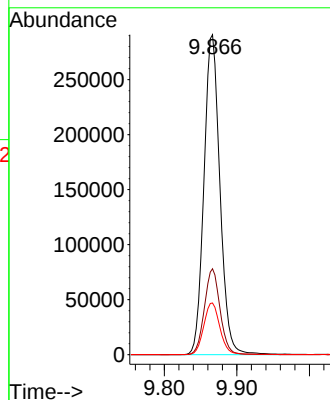
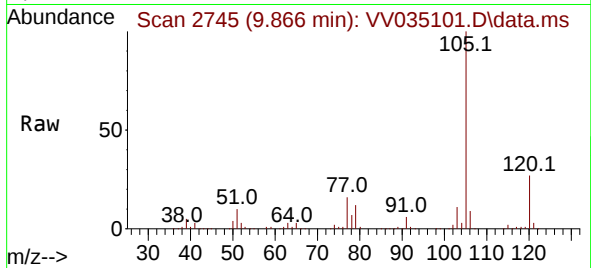




#60  
Isopropylbenzene  
Concen: 47.551 ug/L  
RT: 9.866 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

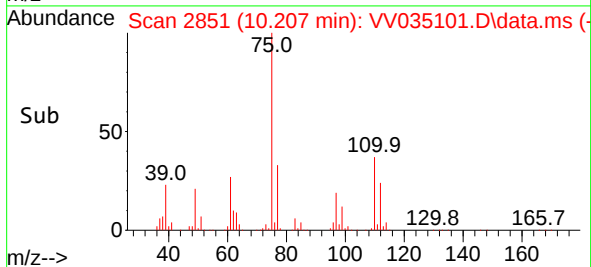
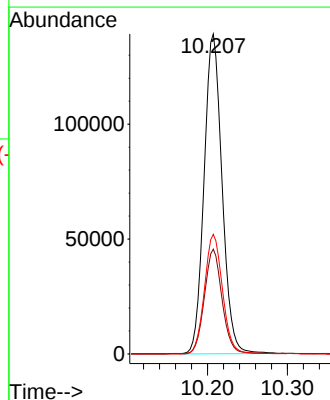
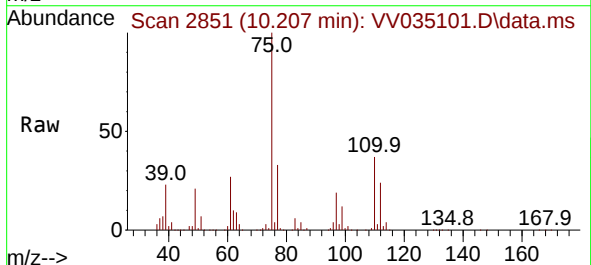
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

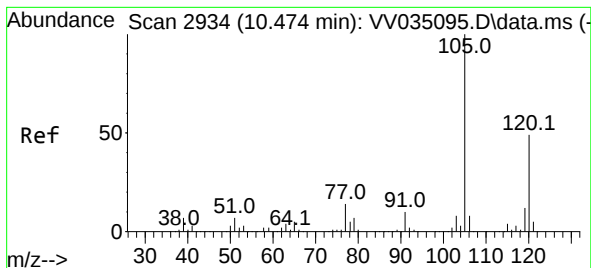
Tgt Ion:105 Resp: 445917  
Ion Ratio Lower Upper  
105 100  
120 26.3 21.0 31.6  
77 16.3 13.1 19.7



#61  
1,2,3-Trichloropropane  
Concen: 77.480 ug/L  
RT: 10.207 min Scan# 2851  
Delta R.T. 0.003 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion: 75 Resp: 218398  
Ion Ratio Lower Upper  
75 100  
77 31.8 26.0 39.0  
110 37.6 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 47.957 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

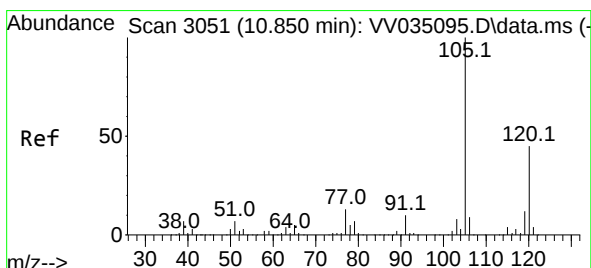
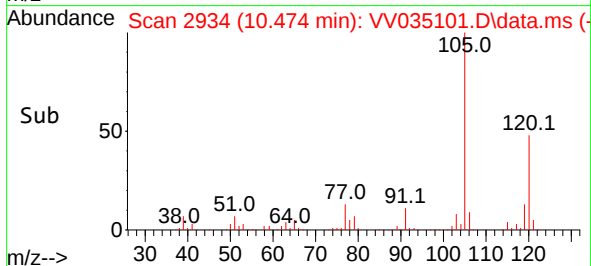
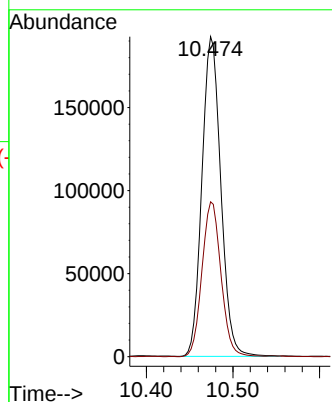
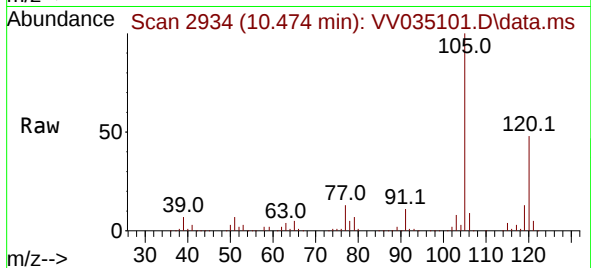
E07R9MSD

Tgt Ion:105 Resp: 292073

Ion Ratio Lower Upper

105 100

120 48.7 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 49.025 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035101.D

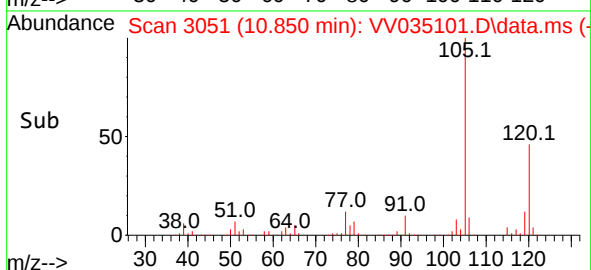
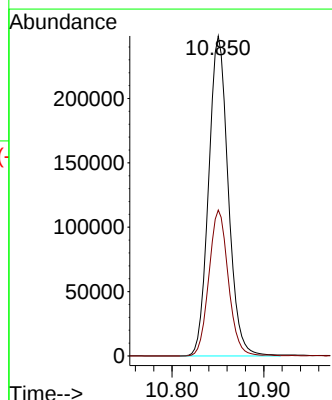
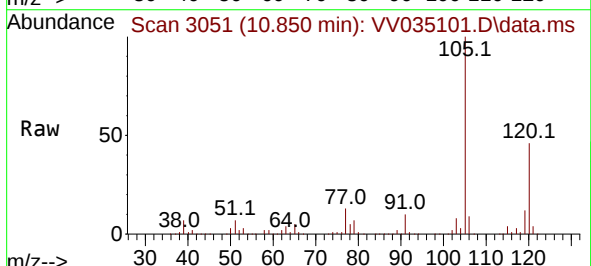
Acq: 10 Apr 2024 12:04

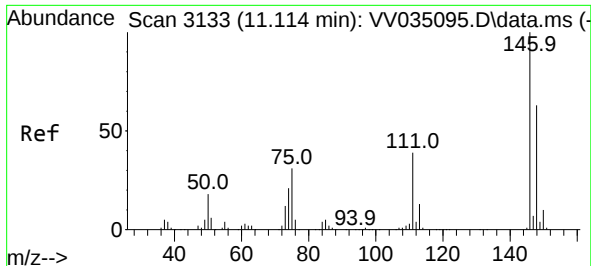
Tgt Ion:105 Resp: 369158

Ion Ratio Lower Upper

105 100

120 45.1 35.9 53.9

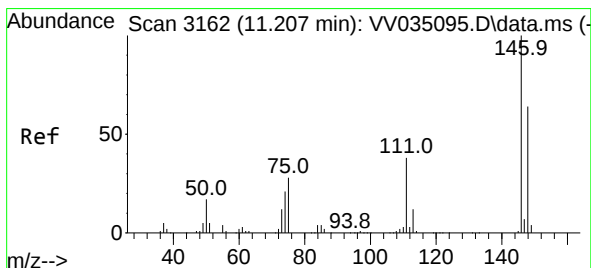
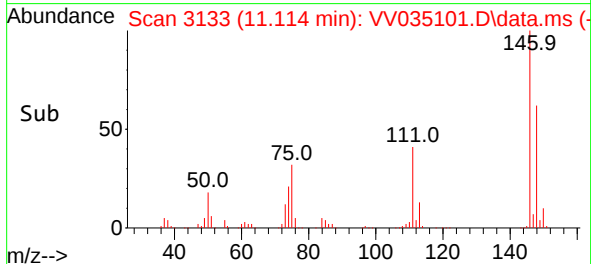
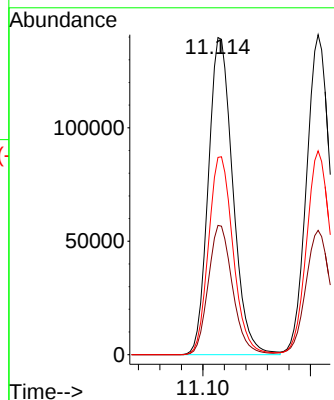
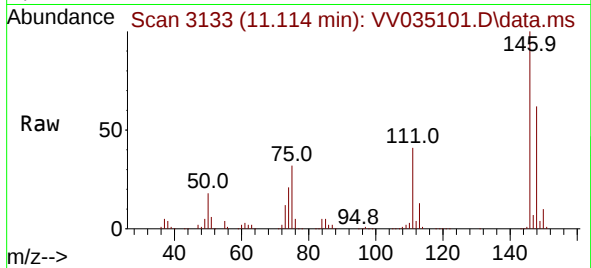




#64  
1,3-Dichlorobenzene  
Concen: 50.551 ug/L  
RT: 11.114 min Scan# 3133  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

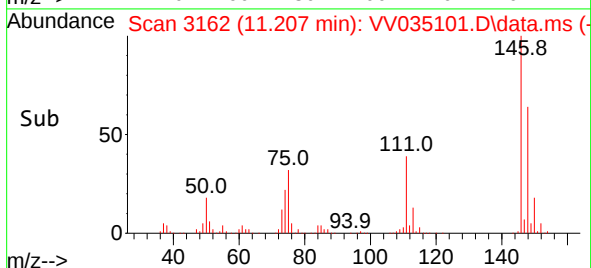
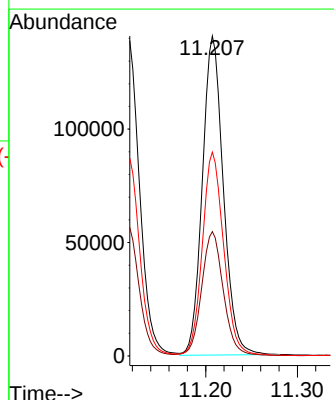
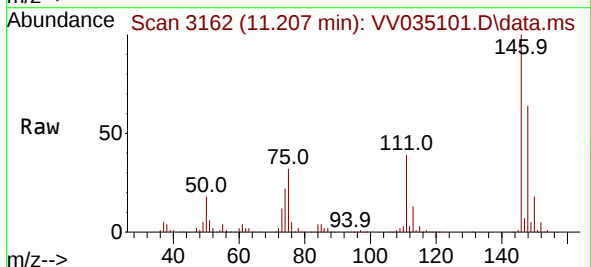
Instrument :  
MSVOA\_V  
ClientSampleId :  
E07R9MSD

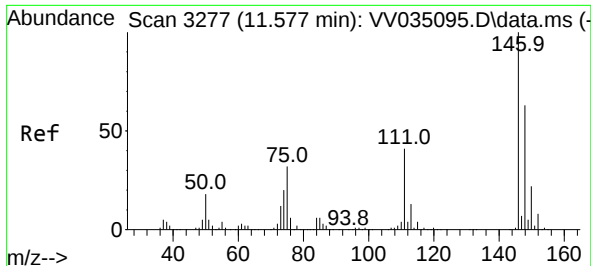
Tgt Ion:146 Resp: 221533  
Ion Ratio Lower Upper  
146 100  
111 40.8 28.7 53.3  
148 62.2 44.0 81.8



#65  
1,4-Dichlorobenzene  
Concen: 50.255 ug/L  
RT: 11.207 min Scan# 3162  
Delta R.T. 0.000 min  
Lab File: VV035101.D  
Acq: 10 Apr 2024 12:04

Tgt Ion:146 Resp: 223965  
Ion Ratio Lower Upper  
146 100  
111 38.8 27.4 50.8  
148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 55.370 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

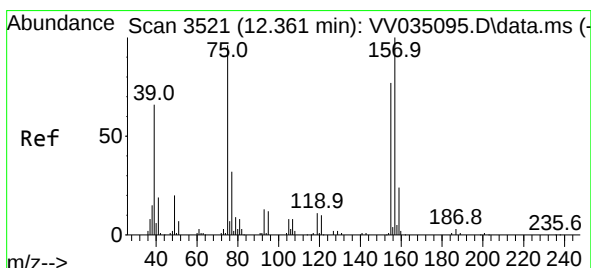
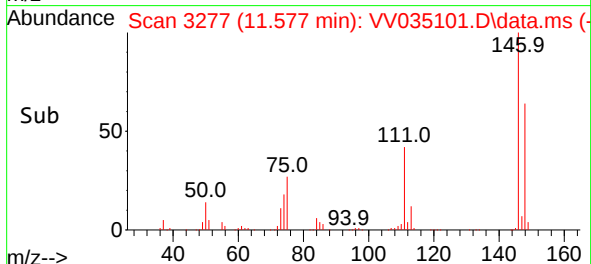
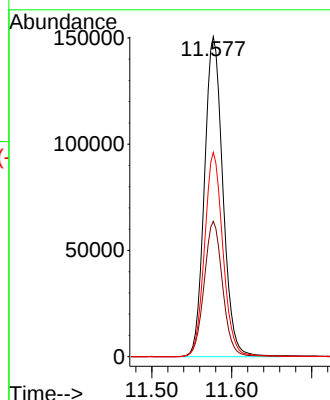
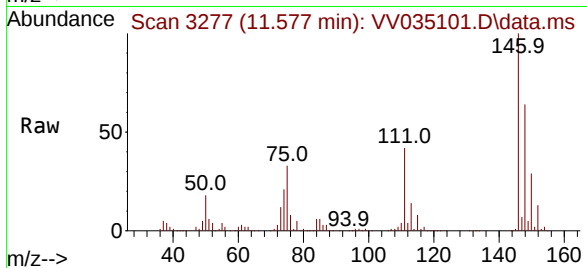
Tgt Ion:146 Resp: 241723

Ion Ratio Lower Upper

146 100

111 42.3 34.6 52.0

148 63.8 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 80.897 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

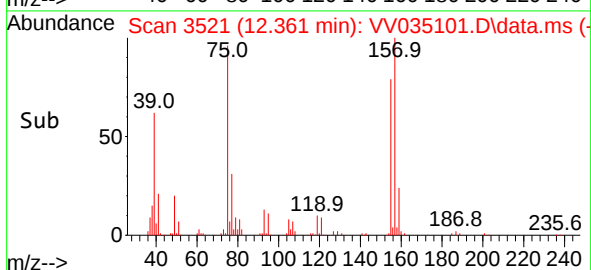
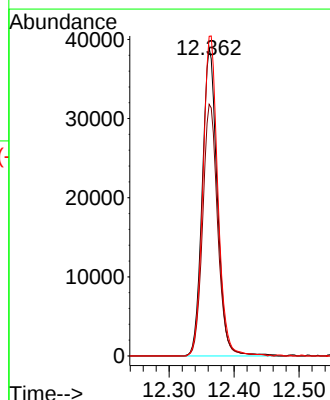
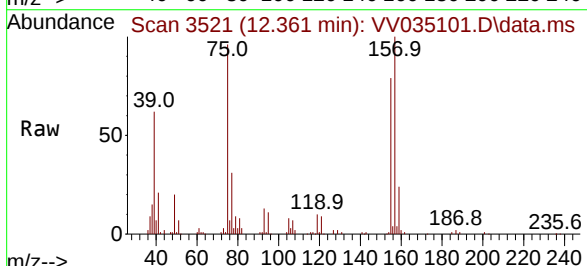
Tgt Ion: 75 Resp: 62822

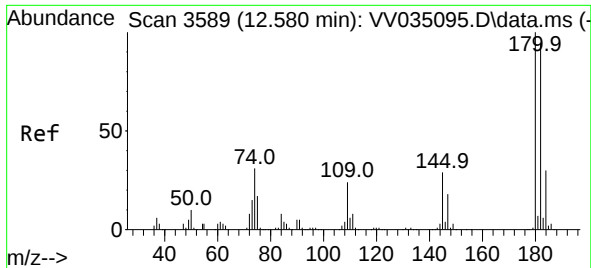
Ion Ratio Lower Upper

75 100

155 81.6 63.0 94.6

157 103.7 81.0 121.4

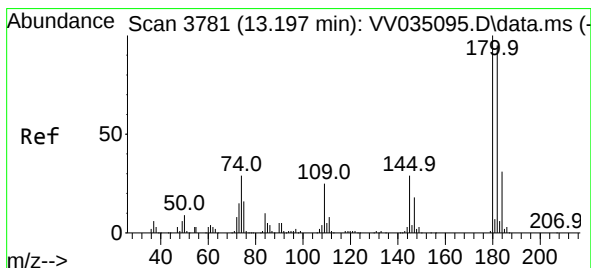
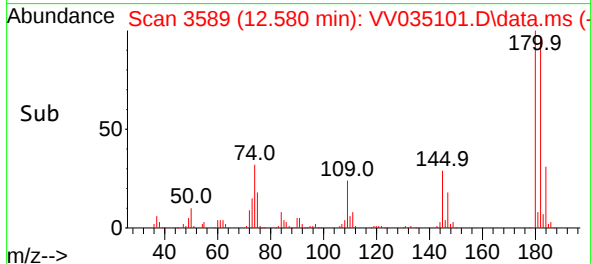
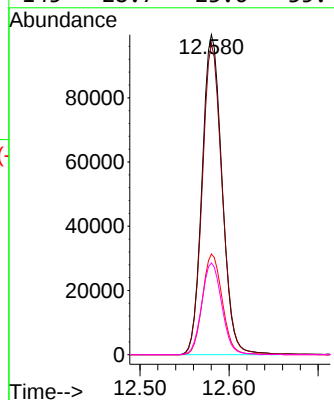
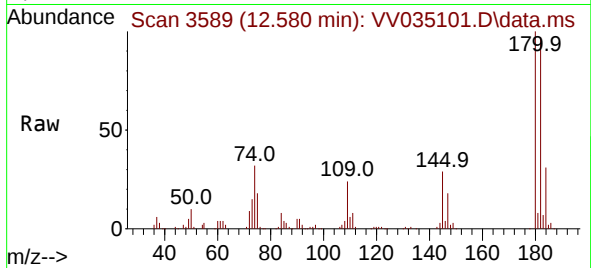




#69  
 1,3,5-Trichlorobenzene  
 Concen: 49.169 ug/L  
 RT: 12.580 min Scan# 3589  
 Delta R.T. 0.000 min  
 Lab File: VV035101.D  
 Acq: 10 Apr 2024 12:04

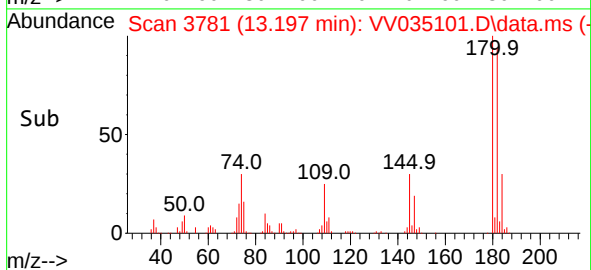
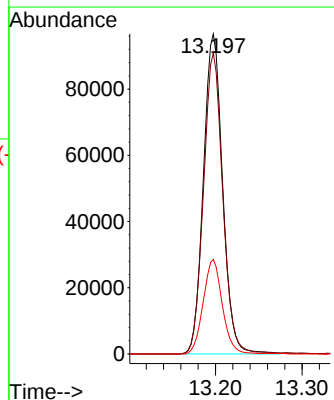
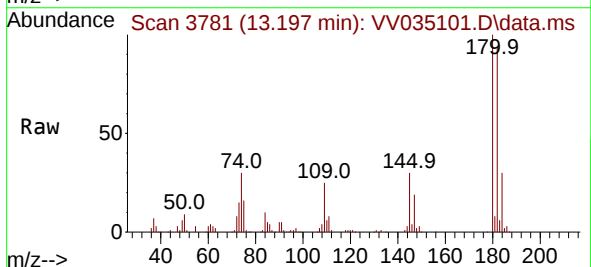
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E07R9MSD

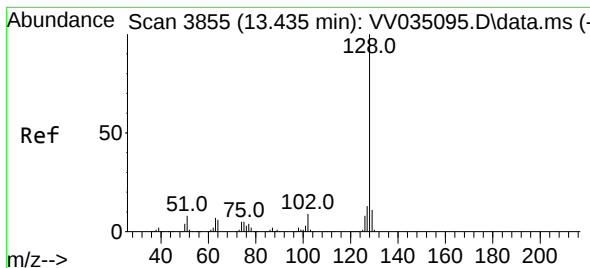
Tgt Ion:180 Resp: 155294  
 Ion Ratio Lower Upper  
 180 100  
 182 96.7 74.7 112.1  
 184 30.9 24.0 36.0  
 145 28.7 23.6 35.4



#70  
 1,2,4-trichlorobenzene  
 Concen: 51.287 ug/L  
 RT: 13.197 min Scan# 3781  
 Delta R.T. 0.003 min  
 Lab File: VV035101.D  
 Acq: 10 Apr 2024 12:04

Tgt Ion:180 Resp: 148795  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 75.6 113.4  
 145 29.3 24.1 36.1





#71

Naphthalene

Concen: 70.666 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Instrument :

MSVOA\_V

ClientSampleId :

E07R9MSD

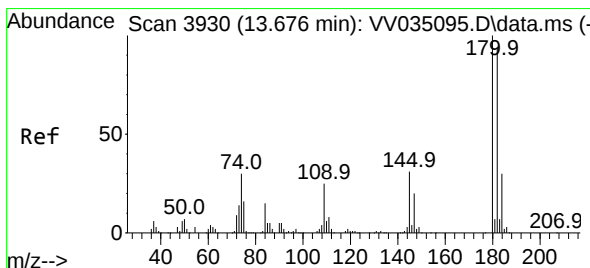
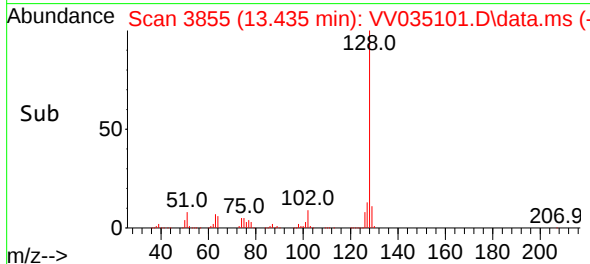
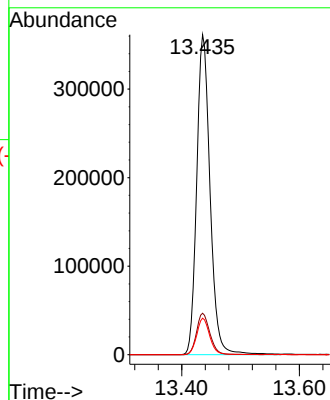
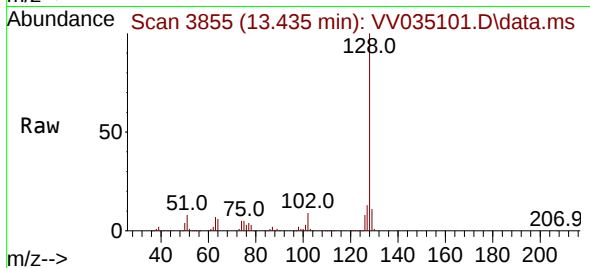
Tgt Ion:128 Resp: 568802

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 59.487 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035101.D

Acq: 10 Apr 2024 12:04

Tgt Ion:180 Resp: 170120

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

145 30.6 25.8 38.6

