

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042924\  
 Data File : VV035482.D  
 Acq On : 29 Apr 2024 19:45  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 30 02:15:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 30 02:09:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114            | 520261   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117            | 515133   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152            | 277185   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65             | 165096   | 39.486  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 78.980%  |          |
| 7) Chloroethane-d5            | 1.529   | 69             | 135463   | 56.548  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 113.100% |          |
| 11) 1,1-Dichloroethene-d2     | 2.053   | 65             | 72568    | 42.466  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 84.940%  |          |
| 21) 2-Butanone-d5             | 3.799   | 46             | 250068   | 116.698 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 116.700% |          |
| 24) Chloroform-d              | 4.246   | 84             | 327940   | 46.612  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 93.220%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65             | 195416   | 47.687  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 95.380%  |          |
| 32) Benzene-d6                | 4.956   | 84             | 636724   | 47.035  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 94.060%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67             | 200332   | 47.964  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 95.920%  |          |
| 41) Toluene-d8                | 7.239   | 98             | 583564   | 47.827  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 95.660%  |          |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79             | 92637    | 47.412  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 94.820%  |          |
| 47) 2-Hexanone-d5             | 8.030   | 63             | 146465   | 121.641 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 121.640% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84             | 316472   | 53.162  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 106.320% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152            | 232240   | 47.889  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 95.780%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85             | 172427   | 45.080  | ug/L     | 98       |
| 3) Chloromethane              | 1.214   | 50             | 186826   | 48.134  | ug/L     | 99       |
| 5) Vinyl chloride             | 1.281   | 62             | 201091   | 49.112  | ug/L     | 98       |
| 6) Bromomethane               | 1.487   | 94             | 116072   | 48.403  | ug/L     | 99       |
| 8) Chloroethane               | 1.545   | 64             | 125466   | 69.413  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.706   | 101            | 269336   | 48.702  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063   | 101            | 165145   | 47.664  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.063   | 96             | 151537   | 49.299  | ug/L     | 95       |
| 13) Acetone                   | 2.130   | 43             | 207259   | 81.394  | ug/L     | 98       |
| 14) Carbon disulfide          | 2.236   | 76             | 405496   | 47.491  | ug/L     | 100      |
| 15) Methyl Acetate            | 2.378   | 43             | 212273   | 54.969  | ug/L     | 97       |
| 16) Methylene chloride        | 2.442   | 84             | 190397   | 48.975  | ug/L     | 97       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96             | 162110   | 49.055  | ug/L     | 99       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73             | 576655   | 51.809  | ug/L     | 100      |
| 19) 1,1-Dichloroethane        | 3.108   | 63             | 341387   | 49.905  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 3.812   | 96             | 191834   | 51.599  | ug/L     | 98       |
| 22) 2-Butanone                | 3.883   | 43             | 287340   | 102.002 | ug/L     | 97       |
| 23) Bromochloromethane        | 4.143   | 128            | 104758   | 50.636  | ug/L     | 98       |
| 25) Chloroform                | 4.272   | 83             | 354737   | 50.168  | ug/L     | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042924\  
 Data File : VV035482.D  
 Acq On : 29 Apr 2024 19:45  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 30 02:15:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 30 02:09:05 2024  
 Response via : Initial Calibration

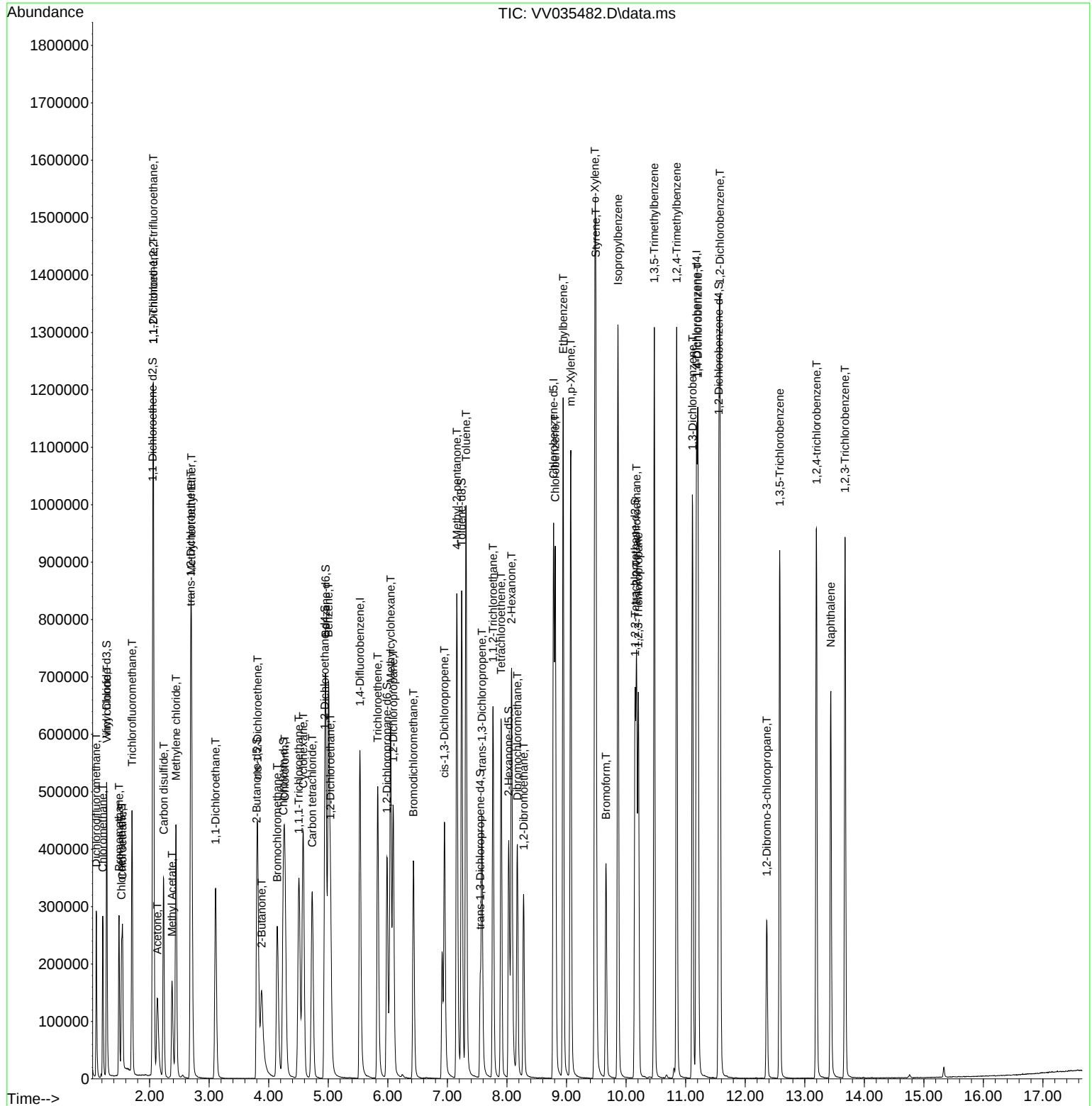
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 261847   | 50.426  | ug/L  | 100      |
| 29) Cyclohexane               | 4.580  | 56   | 239683   | 50.594  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 300751   | 51.319  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 256470   | 50.091  | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 717215   | 52.031  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 185880   | 49.721  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.046  | 83   | 268396   | 49.620  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 196792   | 51.138  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 264984   | 50.994  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 301880   | 53.001  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 564534   | 122.844 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 762232   | 52.769  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 282882   | 51.738  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 207668   | 51.676  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 145309   | 49.547  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 462543   | 118.396 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 210545   | 51.251  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 218555   | 53.458  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 513672   | 50.431  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.943  | 91   | 825398   | 52.294  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 315497   | 52.816  | ug/L  | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 311652   | 53.355  | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 560565   | 55.648  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 361901   | 55.400  | ug/L  | 99       |
| 59) Bromoform                 | 9.664  | 173  | 171080   | 51.988  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 835335   | 52.529  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 279184   | 53.811  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 672150   | 52.467  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 681556   | 54.339  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 425461   | 51.647  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 450438   | 52.130  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 475221   | 56.937  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 71285    | 60.731  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 292790   | 50.163  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 306767   | 66.206  | ug/L  | 98       |
| 71) Naphthalene               | 13.438 | 128  | 544498   | 53.865  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 293326   | 64.968  | ug/L  | 99       |

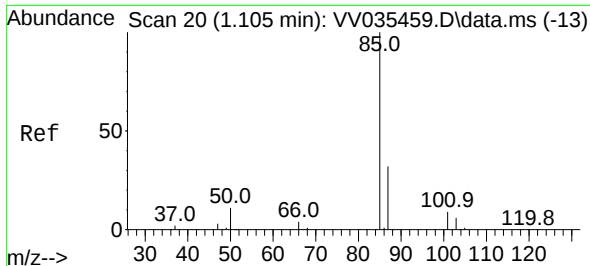
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042924\  
Data File : VV035482.D  
Acq On : 29 Apr 2024 19:45  
Operator : SY/MD  
Sample : VSTDC0050  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 30 02:15:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 02:09:05 2024  
Response via : Initial Calibration

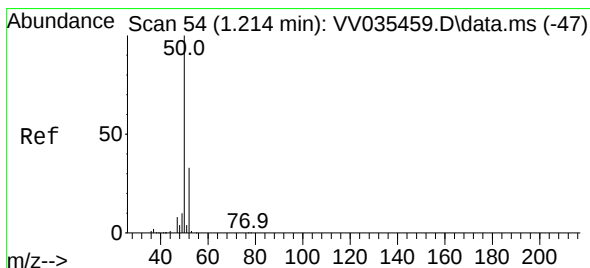
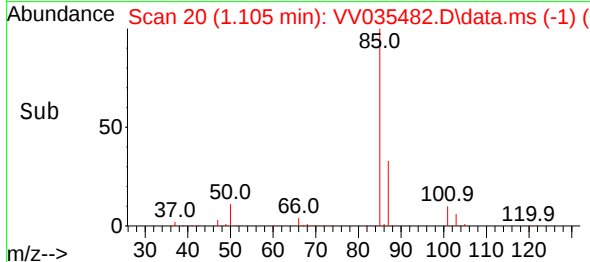
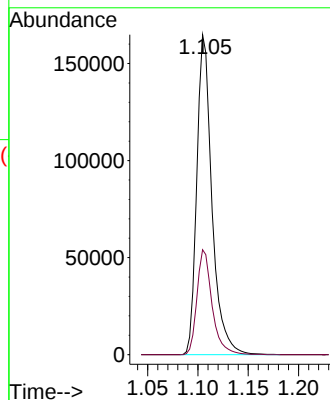
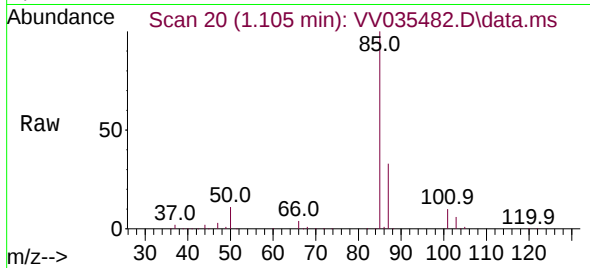




#2  
 Dichlorodifluoromethane  
 Concen: 45.080 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV035482.D  
 Acq: 29 Apr 2024 19:45

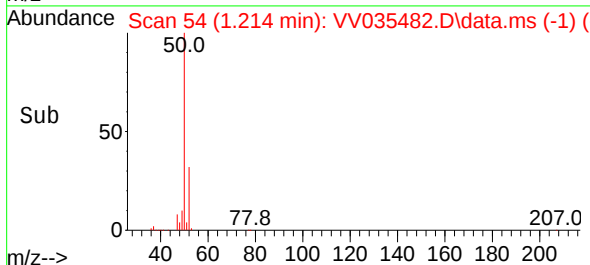
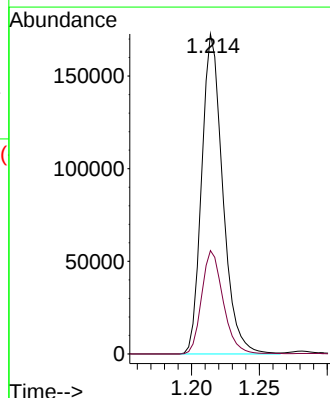
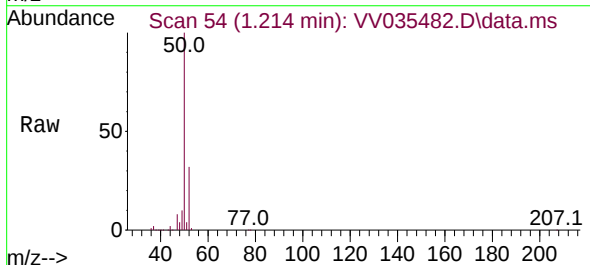
Instrument :  
 MSVOA\_V  
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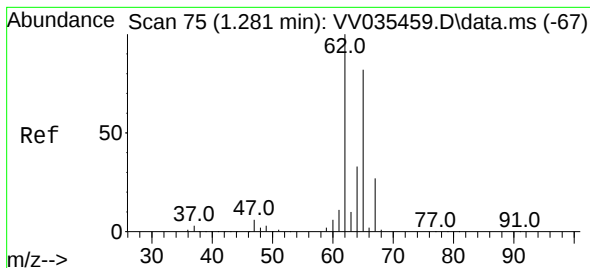
Tgt Ion: 85 Resp: 172427  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.4 38.2



#3  
 Chloromethane  
 Concen: 48.134 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV035482.D  
 Acq: 29 Apr 2024 19:45

Tgt Ion: 50 Resp: 186826  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 23.0 42.8





#5

Vinyl chloride

Concen: 49.112 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

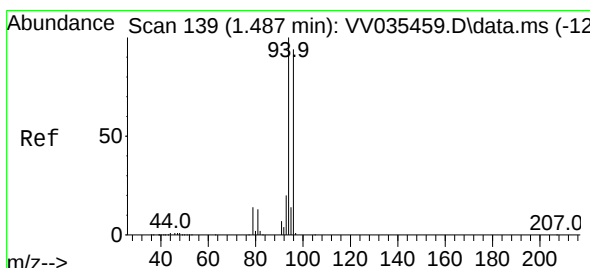
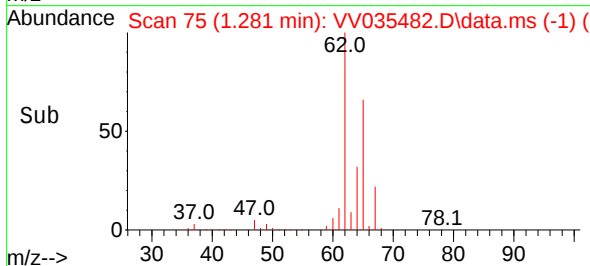
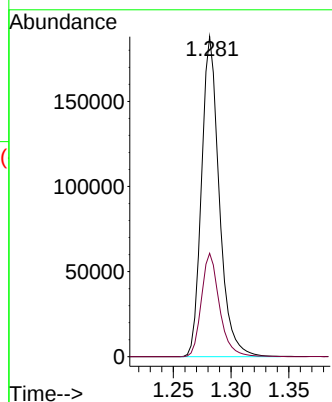
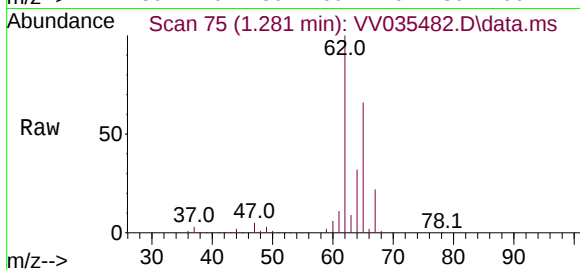
ClientSampleId :

Tgt Ion: 62 Resp: 201091

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.2



#6

Bromomethane

Concen: 48.403 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV035482.D

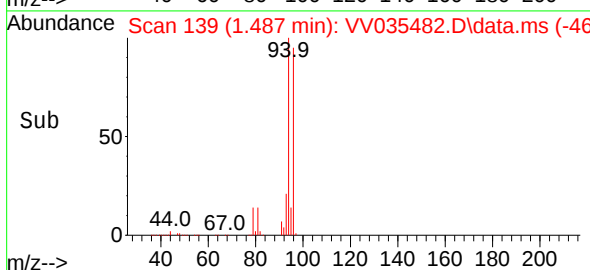
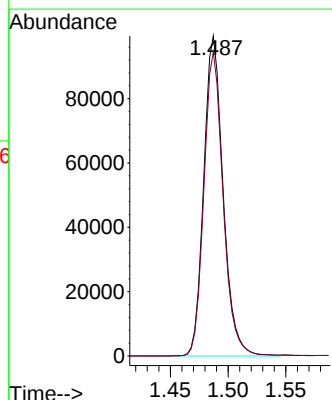
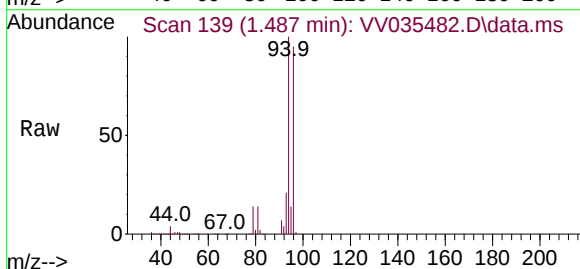
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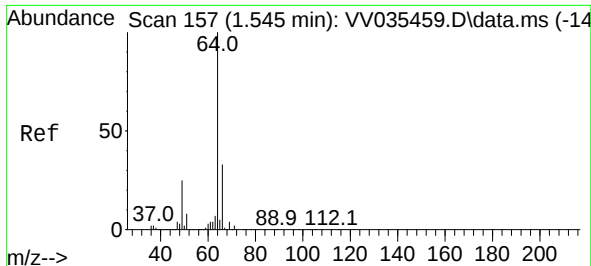
Tgt Ion: 94 Resp: 116072

Ion Ratio Lower Upper

94 100

96 95.1 66.1 122.7

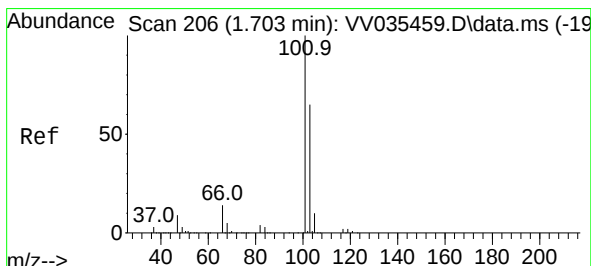
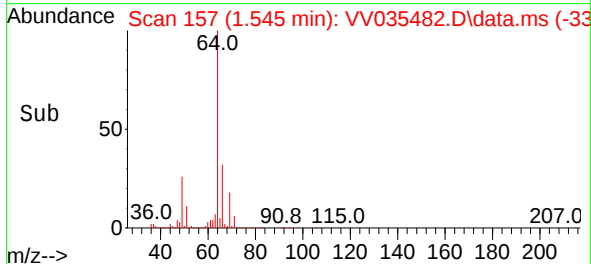
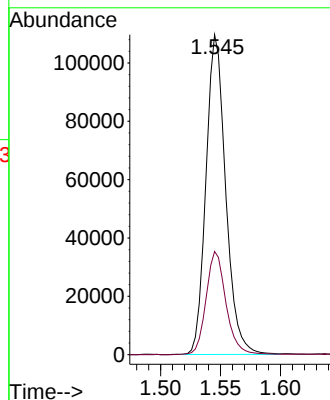
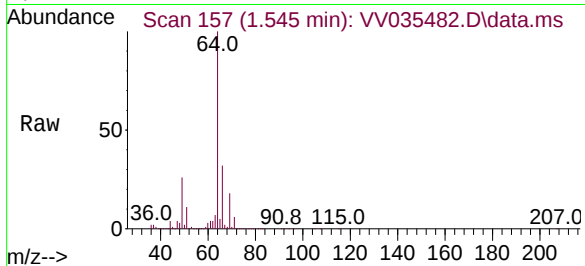




#8  
Chloroethane  
Concen: 69.413 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

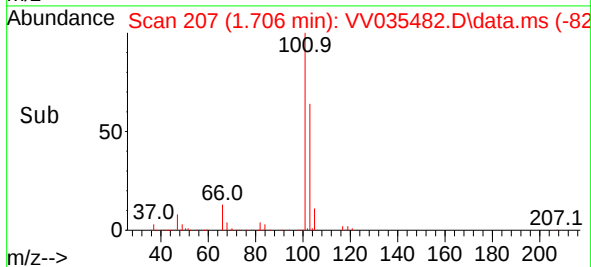
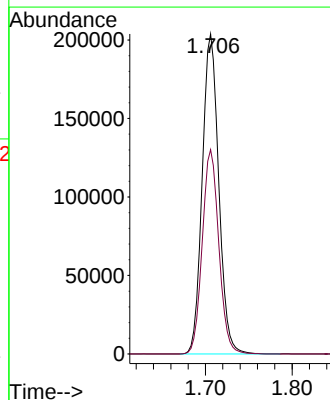
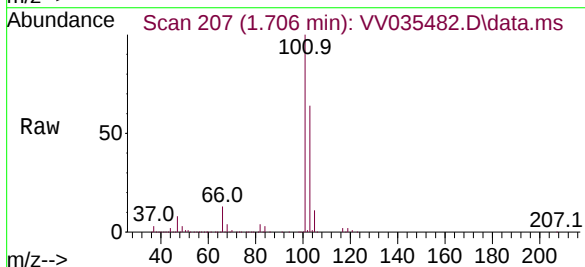
Instrument :  
MSVOA\_V  
ClientSampleId :

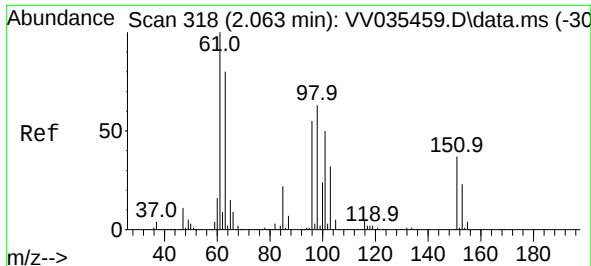
Tgt Ion: 64 Resp: 125466  
Ion Ratio Lower Upper  
64 100  
66 32.3 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 48.702 ug/L  
RT: 1.706 min Scan# 207  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion:101 Resp: 269336  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.2 76.8





#10

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

Concen: 47.664 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :

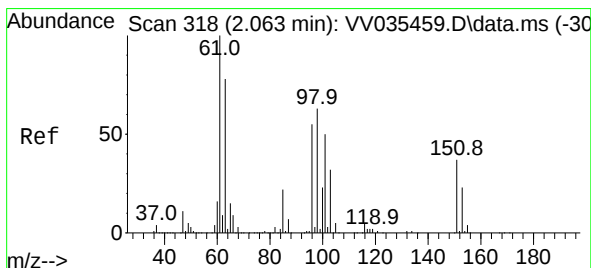
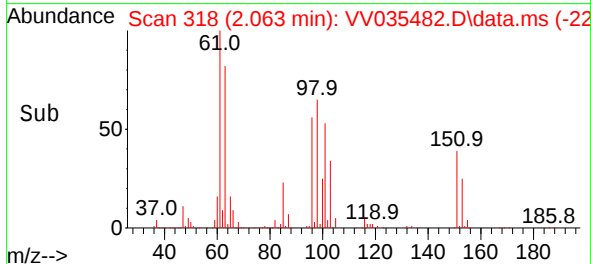
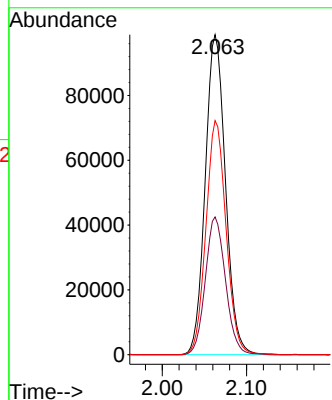
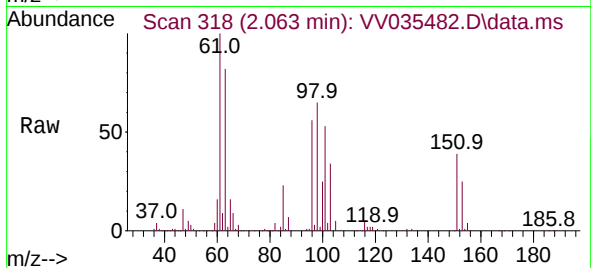
Tgt Ion:101 Resp: 165145

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.6

151 73.0 58.6 87.8



#12

1,1-Dichloroethene

Concen: 49.299 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

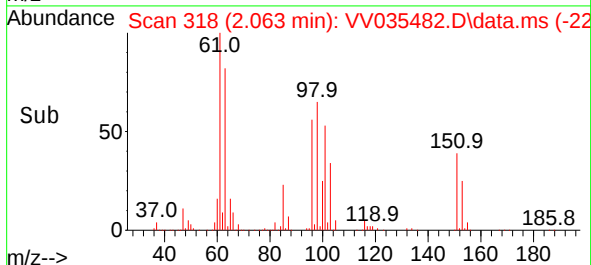
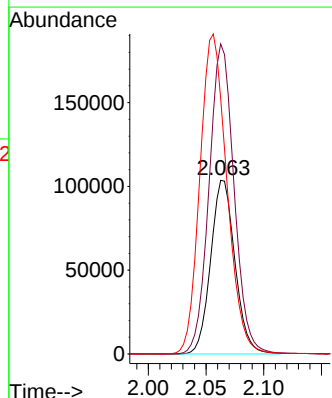
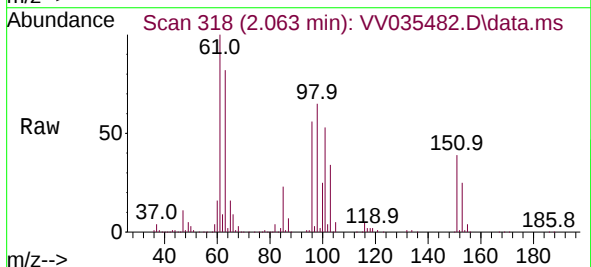
Tgt Ion: 96 Resp: 151537

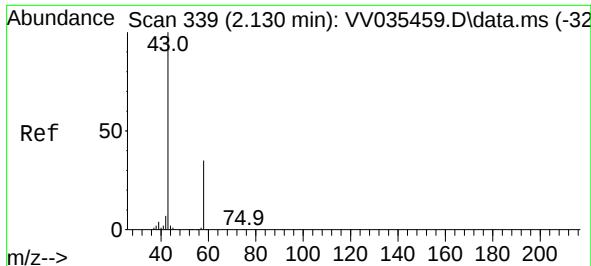
Ion Ratio Lower Upper

96 100

61 178.6 128.2 238.0

63 147.1 96.9 179.9





#13

Acetone

Concen: 81.394 ug/L

RT: 2.130 min Scan# 341

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

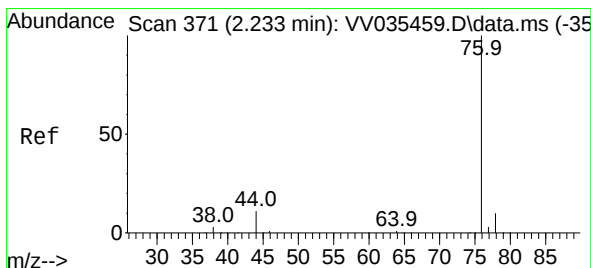
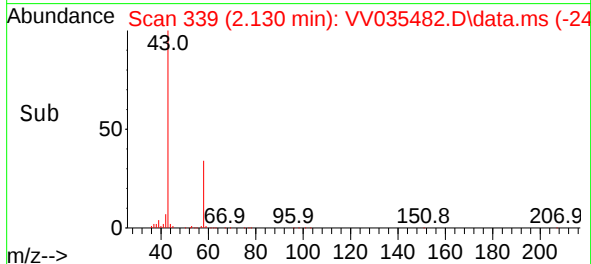
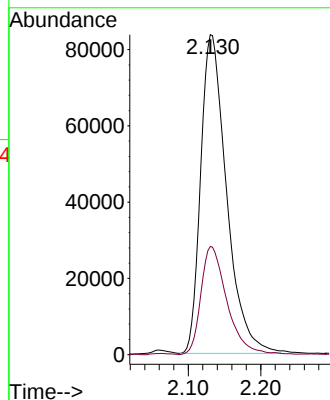
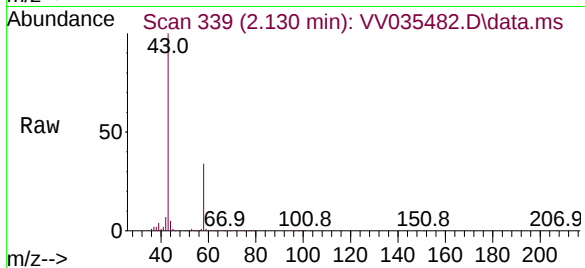
ClientSampleId :

Tgt Ion: 43 Resp: 207259

Ion Ratio Lower Upper

43 100

58 34.0 0.0 65.8



#14

Carbon disulfide

Concen: 47.491 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV035482.D

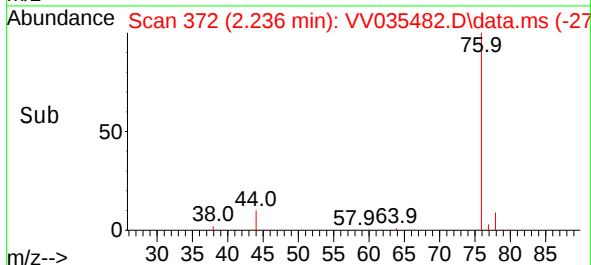
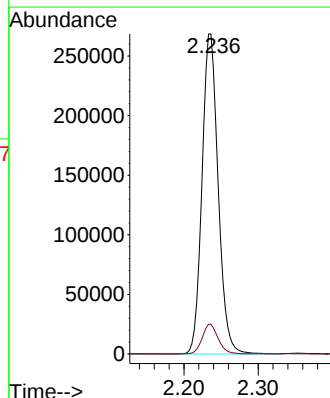
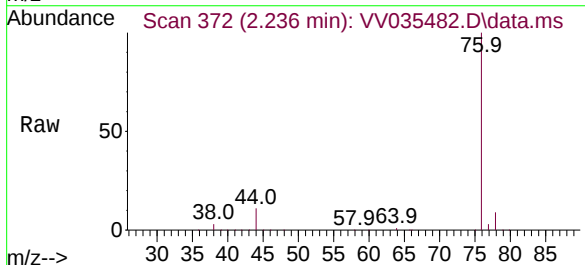
Acq: 29 Apr 2024 19:45

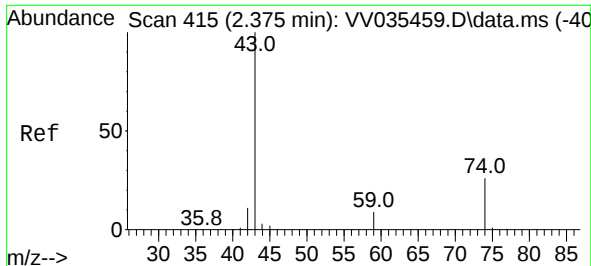
Tgt Ion: 76 Resp: 405496

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

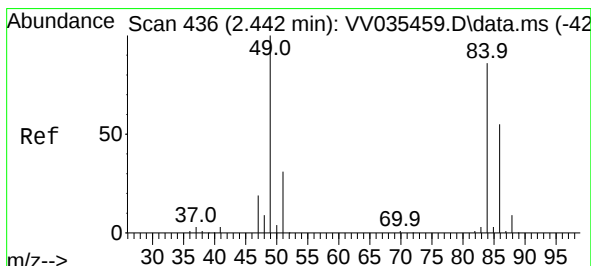
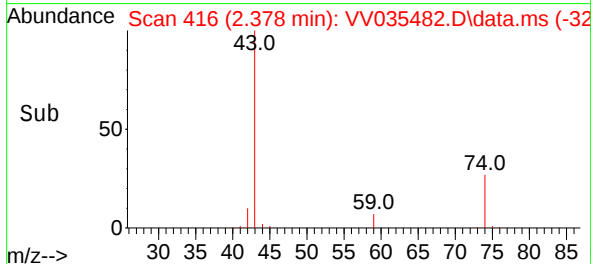
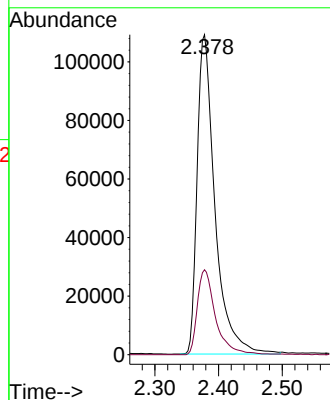
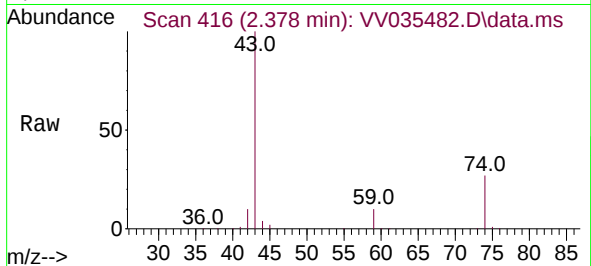




#15  
Methyl Acetate  
Concen: 54.969 ug/L  
RT: 2.378 min Scan# 415  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

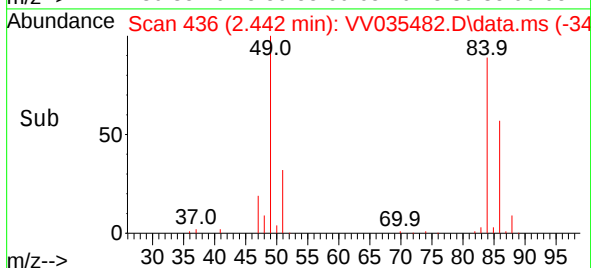
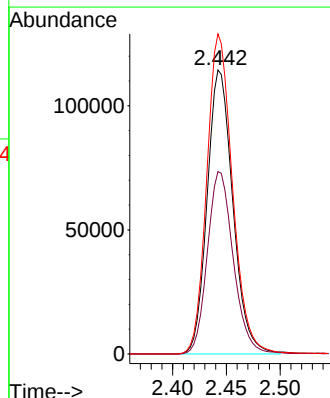
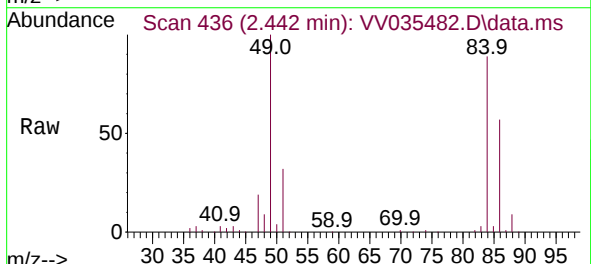
Instrument :  
MSVOA\_V  
ClientSampleId :

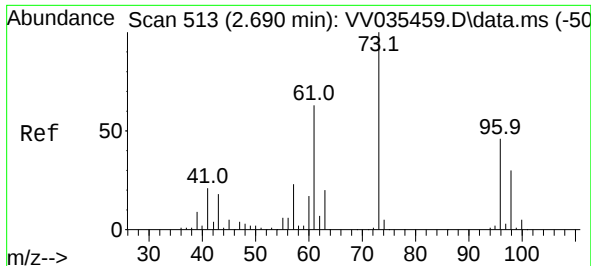
Tgt Ion: 43 Resp: 212273  
Ion Ratio Lower Upper  
43 100  
74 27.1 20.6 30.8



#16  
Methylene chloride  
Concen: 48.975 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

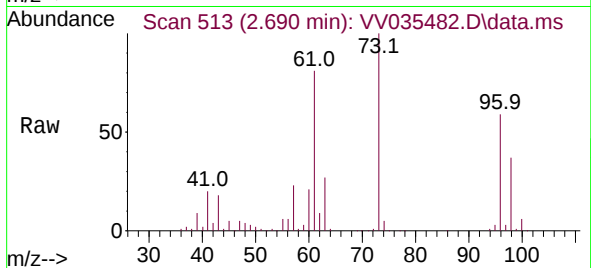
Tgt Ion: 84 Resp: 190397  
Ion Ratio Lower Upper  
84 100  
86 64.2 45.1 83.9  
49 112.7 82.3 152.8



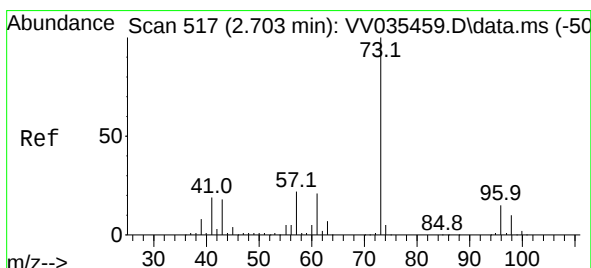
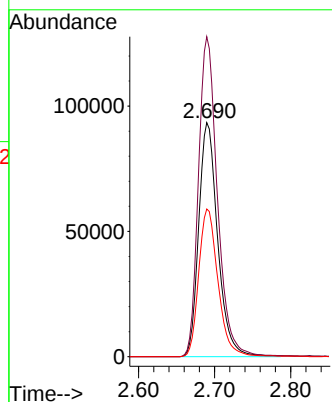
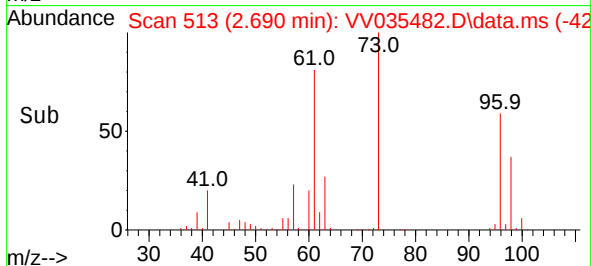


#17  
trans-1,2-Dichloroethene  
Concen: 49.055 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

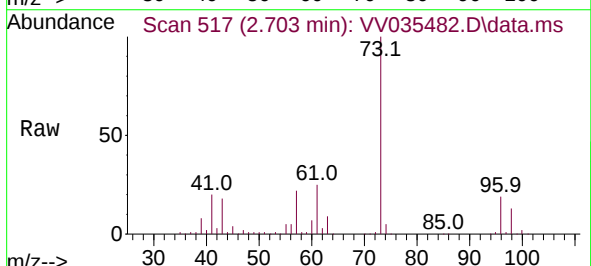
Instrument :  
MSVOA\_V  
ClientSampleId :



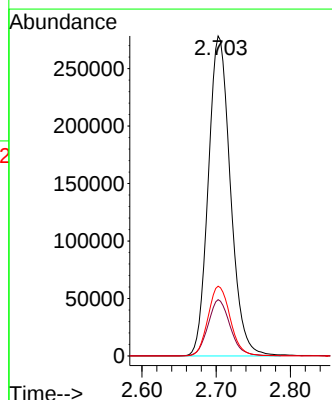
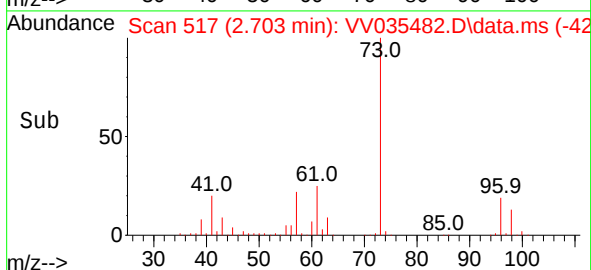
Tgt Ion: 96 Resp: 162110  
Ion Ratio Lower Upper  
96 100  
61 136.7 96.4 179.0  
98 63.1 45.2 84.0

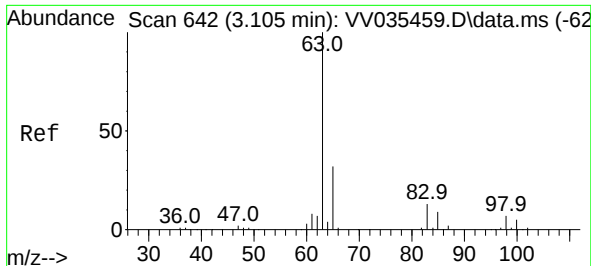


#18  
Methyl tert-butyl Ether  
Concen: 51.809 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45



Tgt Ion: 73 Resp: 576655  
Ion Ratio Lower Upper  
73 100  
43 17.4 13.9 20.9  
57 21.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 49.905 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :

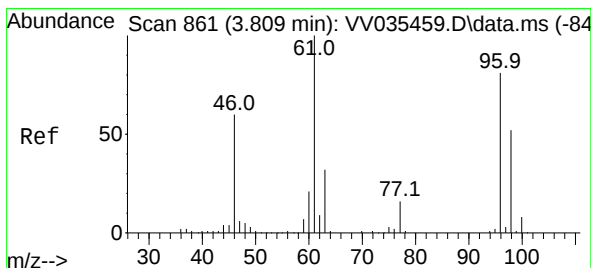
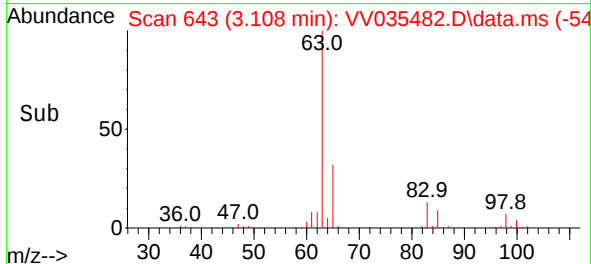
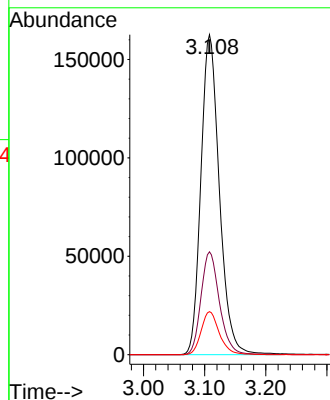
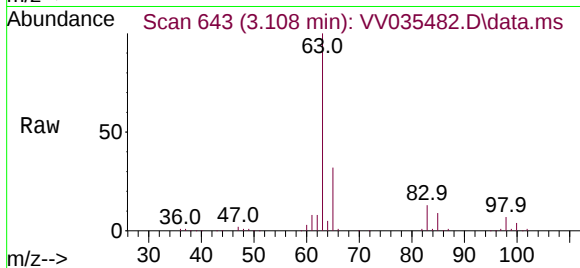
Tgt Ion: 63 Resp: 341387

Ion Ratio Lower Upper

63 100

65 32.2 22.1 41.1

83 13.4 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 51.599 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

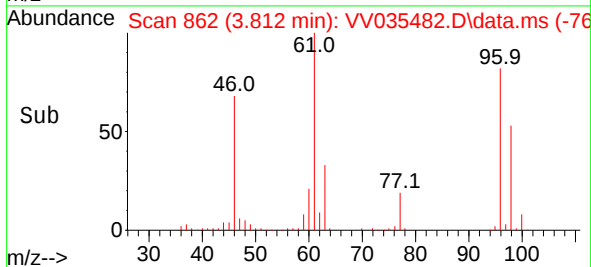
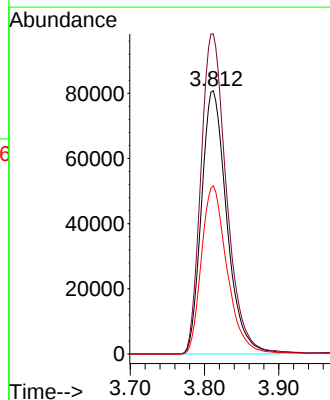
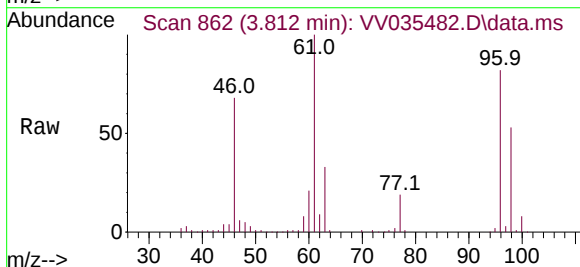
Tgt Ion: 96 Resp: 191834

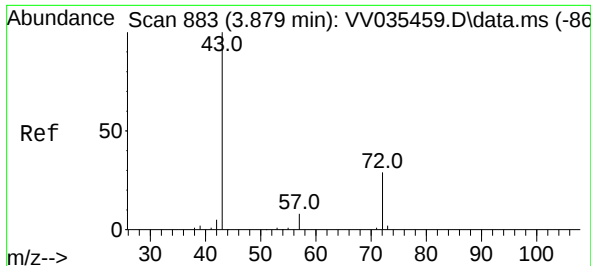
Ion Ratio Lower Upper

96 100

61 121.6 86.9 161.5

98 63.9 44.6 82.8

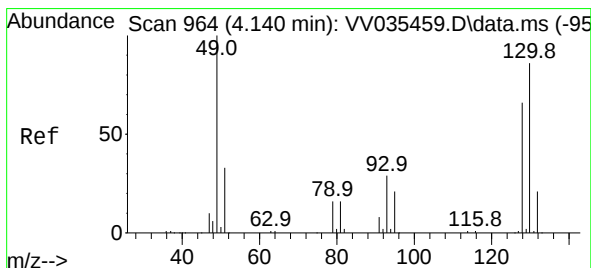
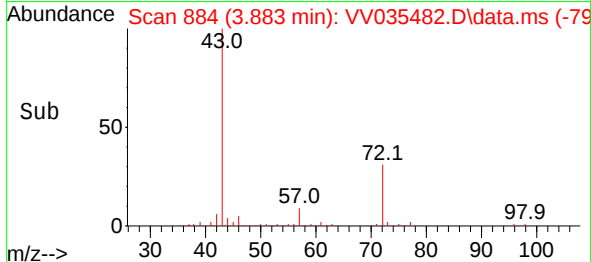
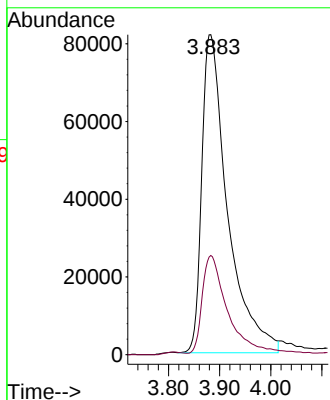
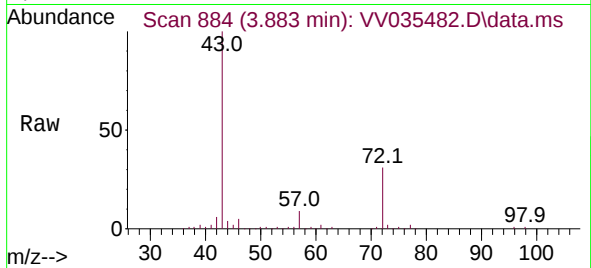




#22  
2-Butanone  
Concen: 102.002 ug/L  
RT: 3.883 min Scan# 884  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

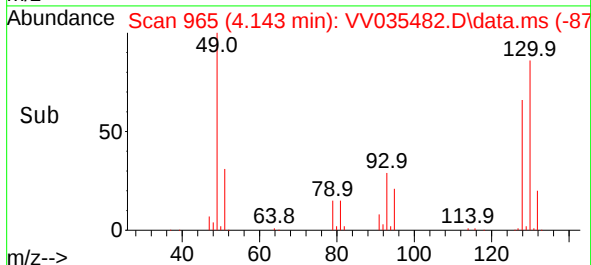
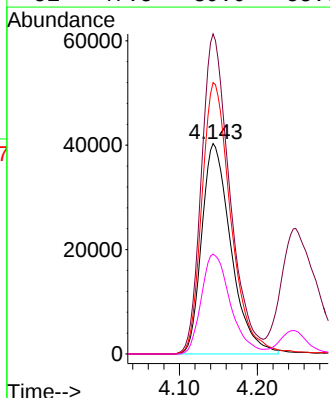
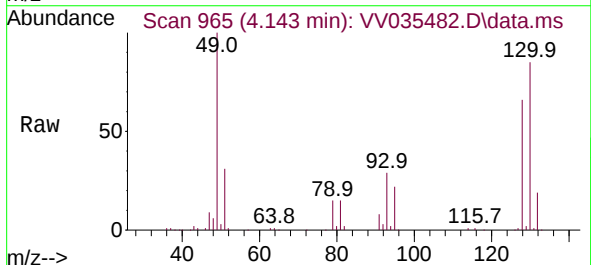
Instrument :  
MSVOA\_V  
ClientSampleId :

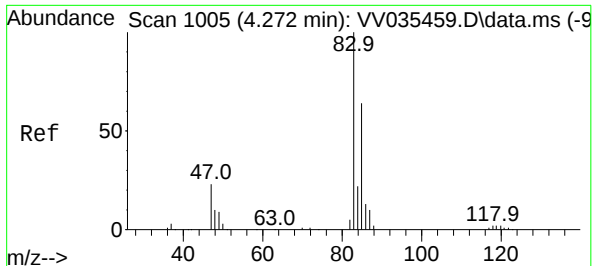
Tgt Ion: 43 Resp: 287340  
Ion Ratio Lower Upper  
43 100  
72 29.1 13.8 41.4



#23  
Bromochloromethane  
Concen: 50.636 ug/L  
RT: 4.143 min Scan# 965  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion:128 Resp: 104758  
Ion Ratio Lower Upper  
128 100  
49 152.1 107.7 200.1  
130 129.0 93.4 173.4  
51 47.5 39.0 58.6





#25

Chloroform

Concen: 50.168 ug/L

RT: 4.272 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

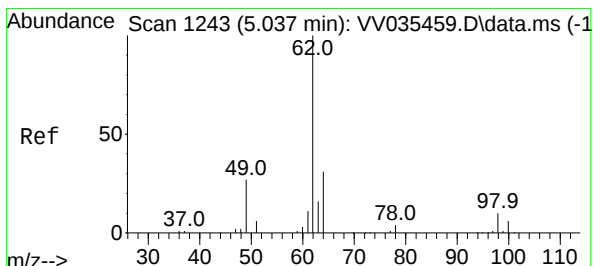
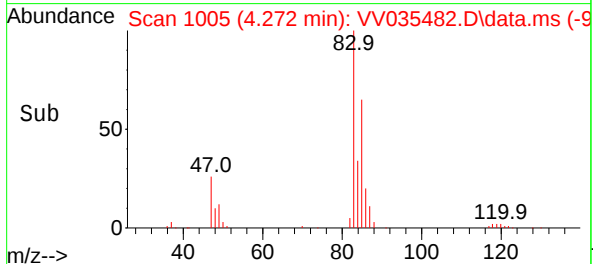
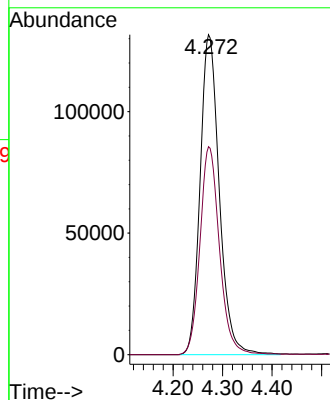
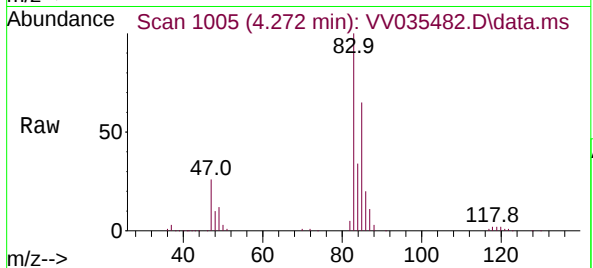
ClientSampleId :

Tgt Ion: 83 Resp: 354737

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 50.426 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV035482.D

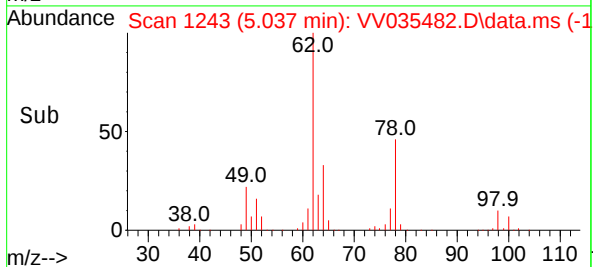
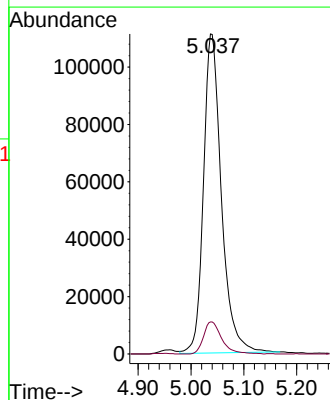
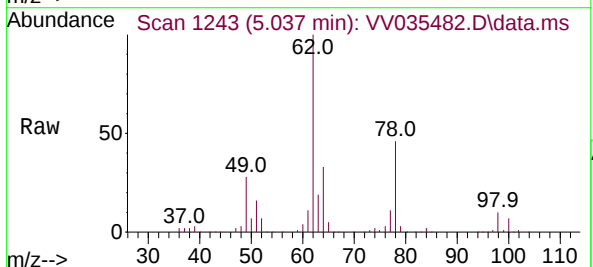
Acq: 29 Apr 2024 19:45

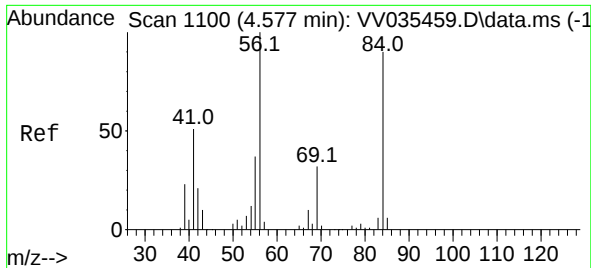
Tgt Ion: 62 Resp: 261847

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0





#29

Cyclohexane

Concen: 50.594 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :

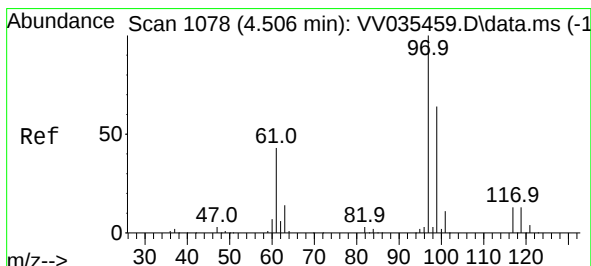
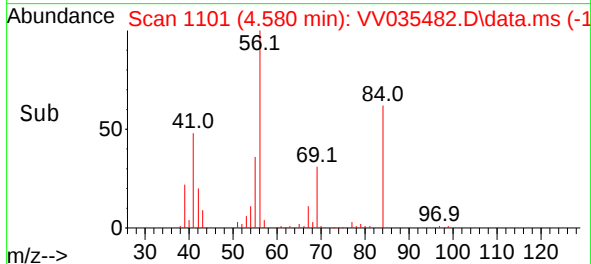
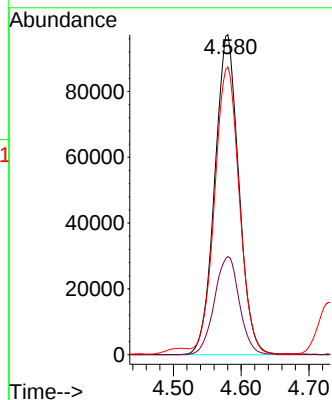
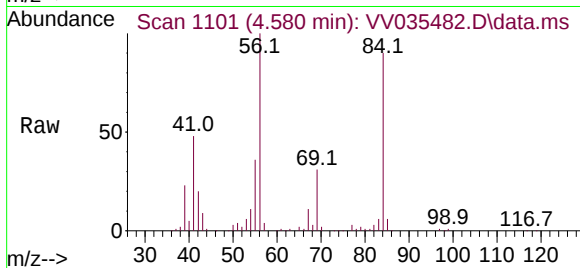
Tgt Ion: 56 Resp: 239683

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 92.3 73.5 110.3



#30

1,1,1-Trichloroethane

Concen: 51.319 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

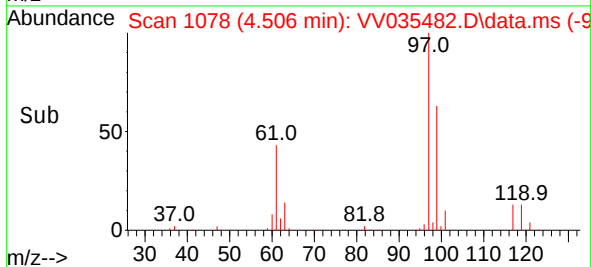
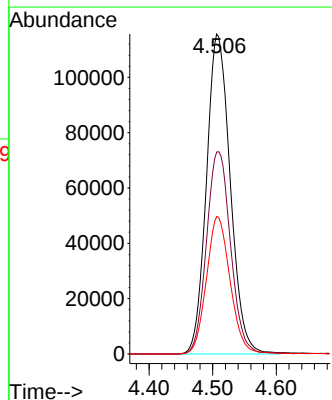
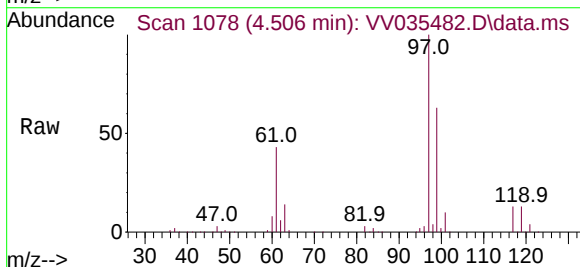
Tgt Ion: 97 Resp: 300751

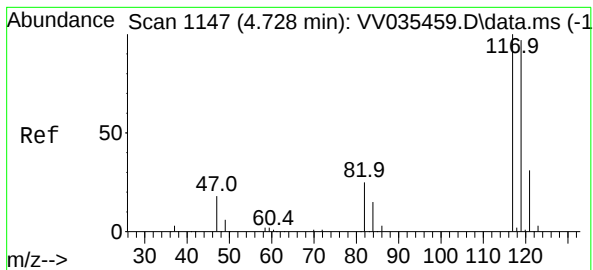
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 42.8 35.4 53.2





#31

Carbon tetrachloride

Concen: 50.091 ug/L

RT: 4.731 min Scan# 1147

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

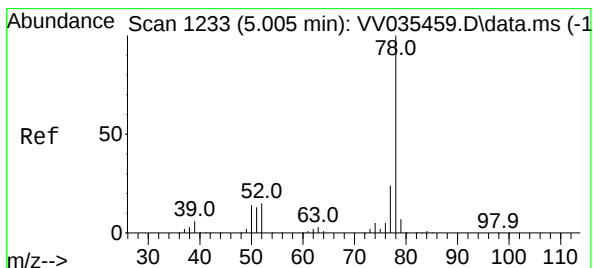
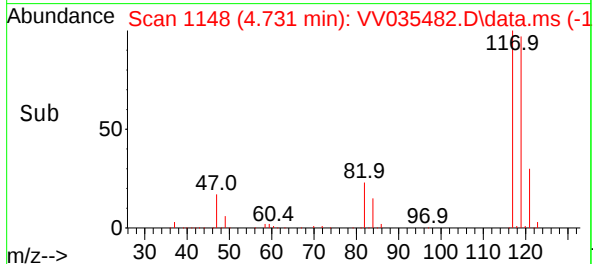
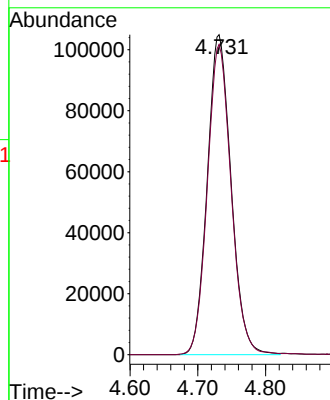
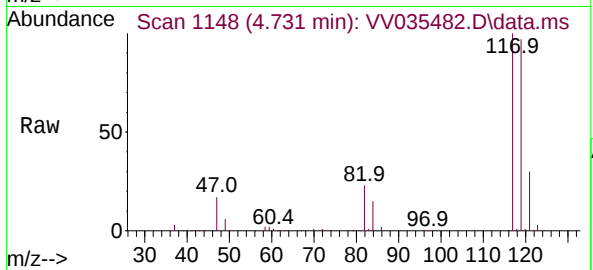
ClientSampleId :

Tgt Ion:117 Resp: 256470

Ion Ratio Lower Upper

117 100

119 96.7 76.4 114.6



#33

Benzene

Concen: 52.031 ug/L

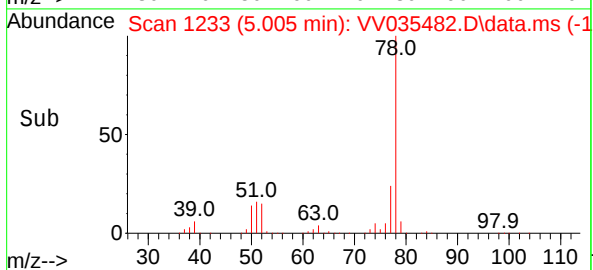
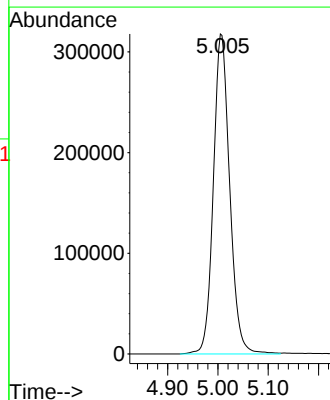
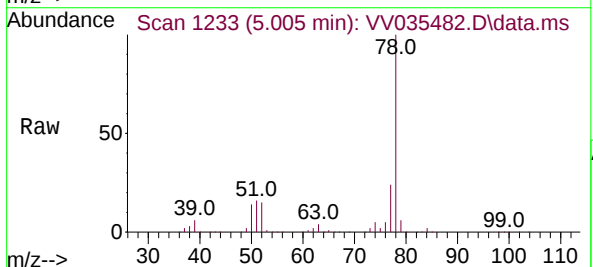
RT: 5.005 min Scan# 1233

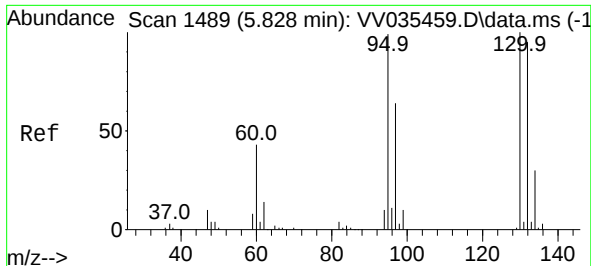
Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Tgt Ion: 78 Resp: 717215

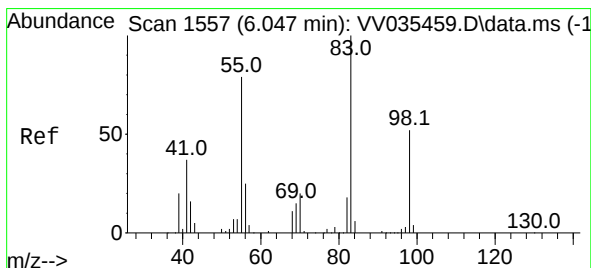
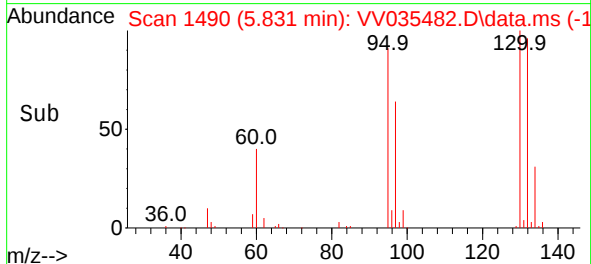
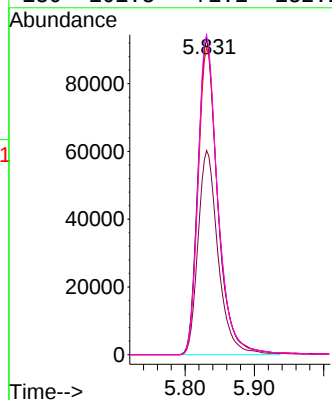
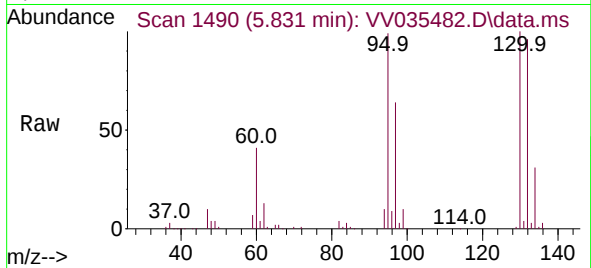




#34  
Trichloroethene  
Concen: 49.721 ug/L  
RT: 5.831 min Scan# 1489  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

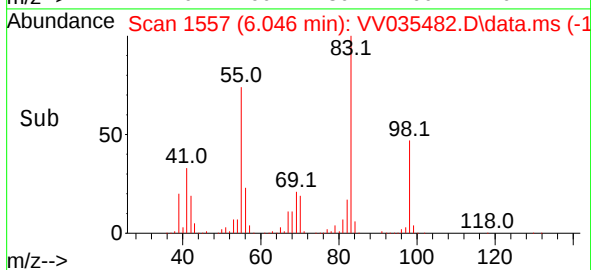
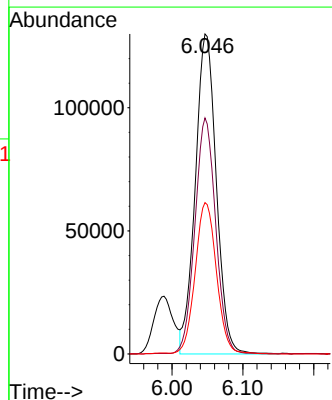
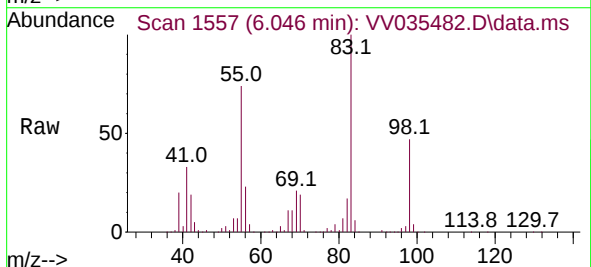
Instrument :  
MSVOA\_V  
ClientSampleId :

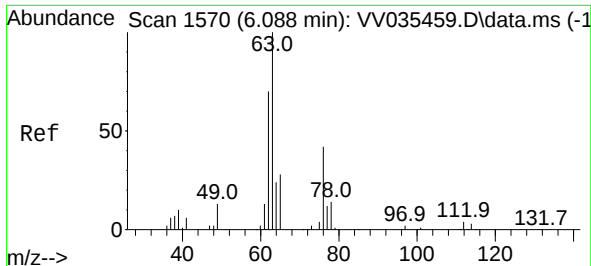
Tgt Ion: 95 Resp: 185880  
Ion Ratio Lower Upper  
95 100  
97 64.6 45.8 85.0  
132 97.2 68.0 126.2  
130 101.3 71.1 132.1



#35  
Methylcyclohexane  
Concen: 49.620 ug/L  
RT: 6.046 min Scan# 1557  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion: 83 Resp: 268396  
Ion Ratio Lower Upper  
83 100  
55 72.6 59.7 89.5  
98 48.0 39.0 58.6

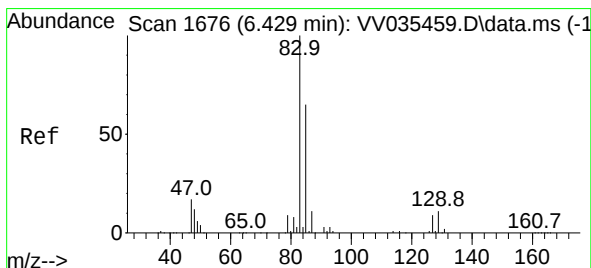
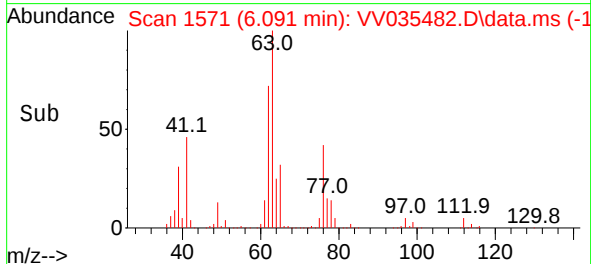
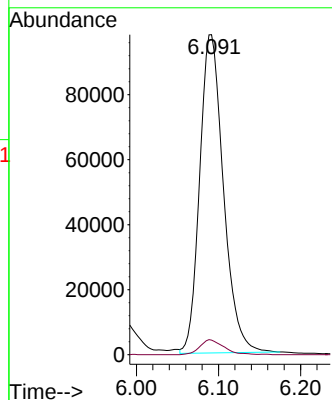
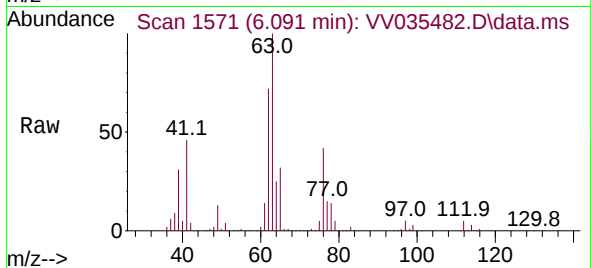




#37  
1,2-Dichloropropane  
Concen: 51.138 ug/L  
RT: 6.091 min Scan# 1570  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

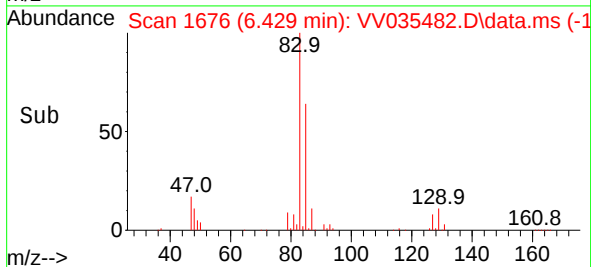
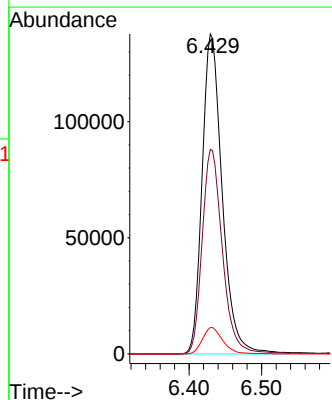
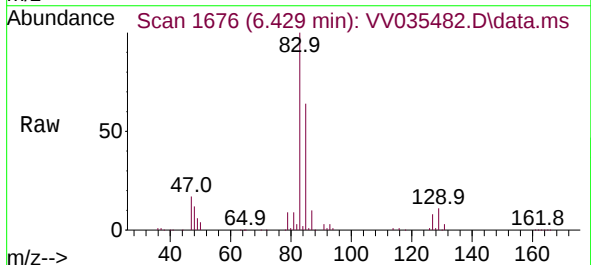
Instrument :  
MSVOA\_V  
ClientSampleId :

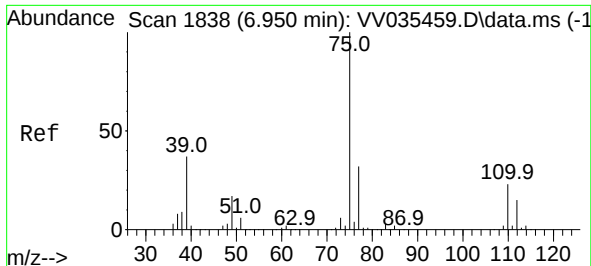
Tgt Ion: 63 Resp: 196792  
Ion Ratio Lower Upper  
63 100  
112 4.7 3.5 5.3



#38  
Bromodichloromethane  
Concen: 50.994 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion: 83 Resp: 264984  
Ion Ratio Lower Upper  
83 100  
85 63.9 45.1 83.9  
127 8.2 7.0 10.4

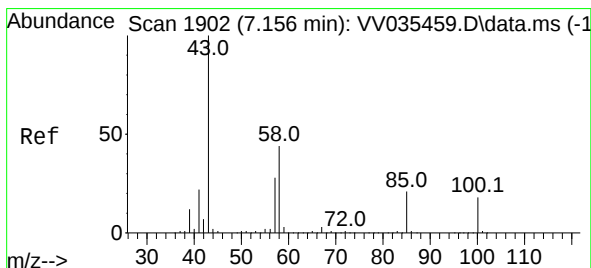
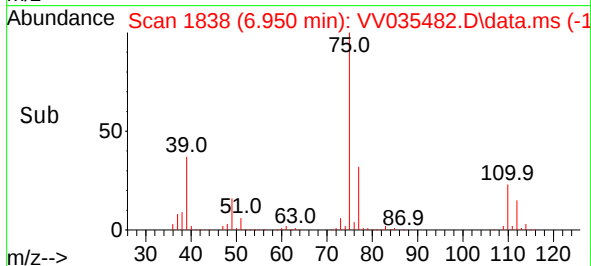
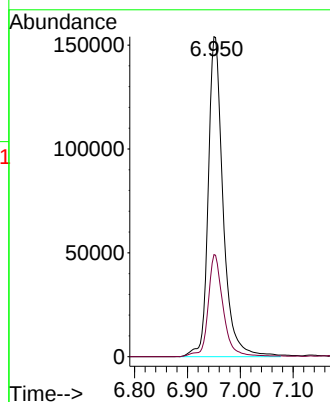
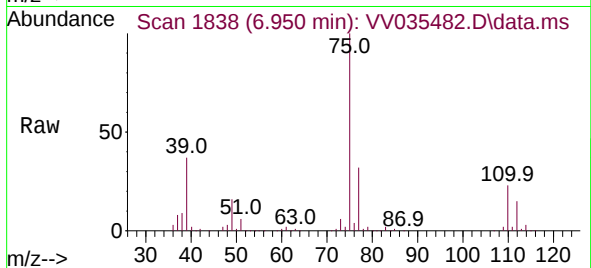




#39  
 cis-1,3-Dichloropropene  
 Concen: 53.001 ug/L  
 RT: 6.950 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VV035482.D  
 Acq: 29 Apr 2024 19:45

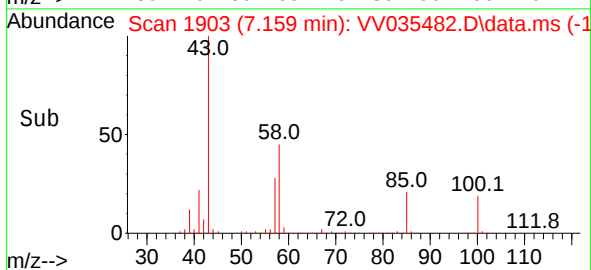
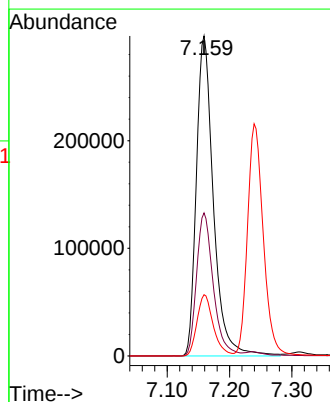
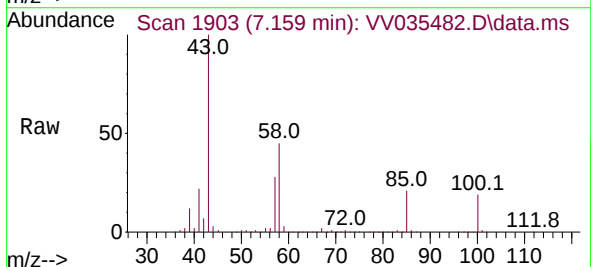
Instrument :  
 MSVOA\_V  
 ClientSampleId :

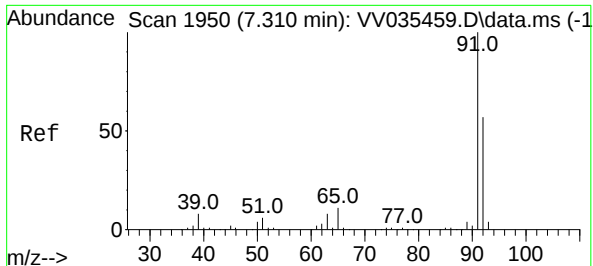
Tgt Ion: 75 Resp: 301880  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 122.844 ug/L  
 RT: 7.159 min Scan# 1903  
 Delta R.T. 0.003 min  
 Lab File: VV035482.D  
 Acq: 29 Apr 2024 19:45

Tgt Ion: 43 Resp: 564534  
 Ion Ratio Lower Upper  
 43 100  
 58 43.7 35.0 52.4  
 100 18.3 14.3 21.5





#42

Toluene

Concen: 52.769 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

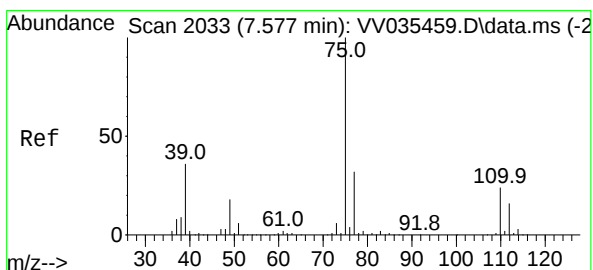
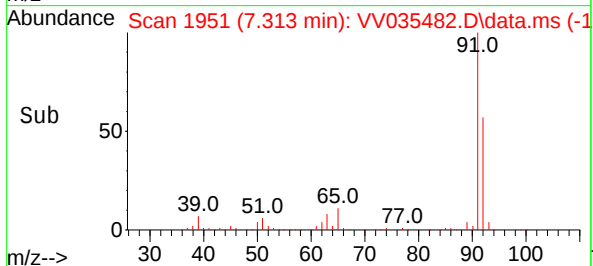
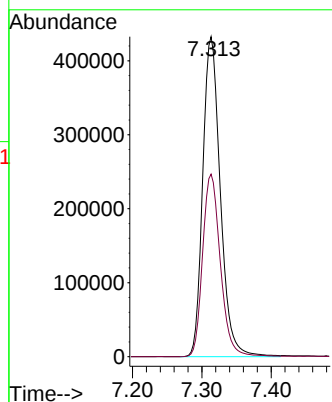
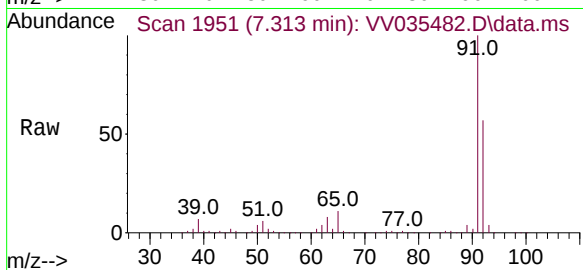
ClientSampleId :

Tgt Ion: 91 Resp: 762232

Ion Ratio Lower Upper

91 100

92 57.0 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 51.738 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035482.D

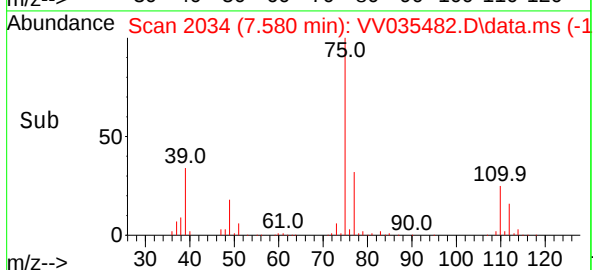
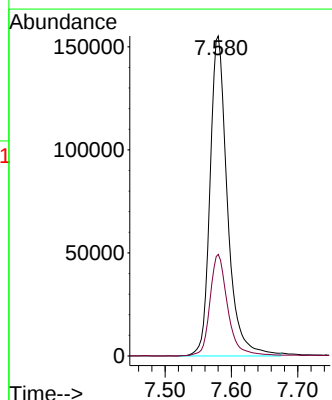
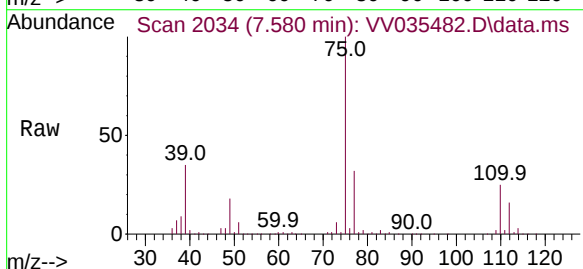
Acq: 29 Apr 2024 19:45

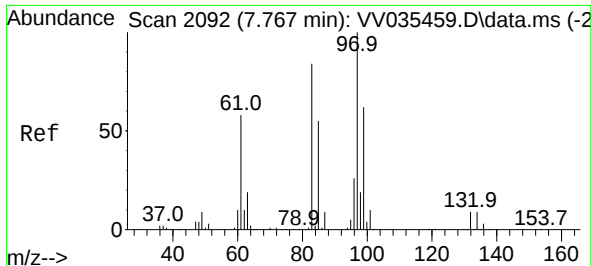
Tgt Ion: 75 Resp: 282882

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1

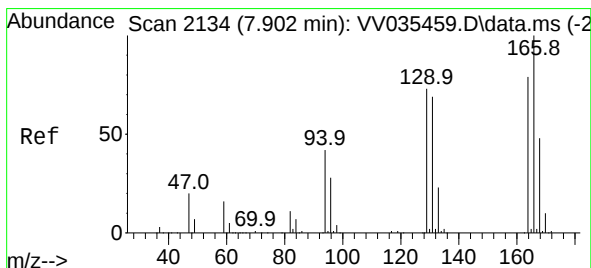
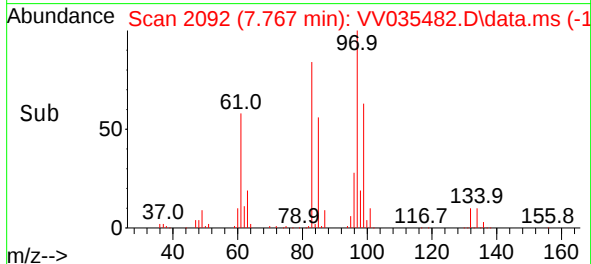
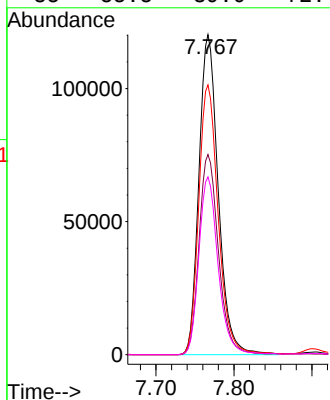
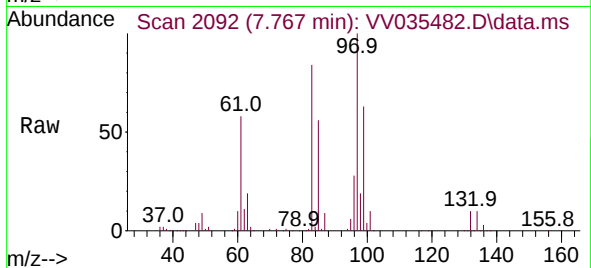




#45  
1,1,2-Trichloroethane  
Concen: 51.676 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

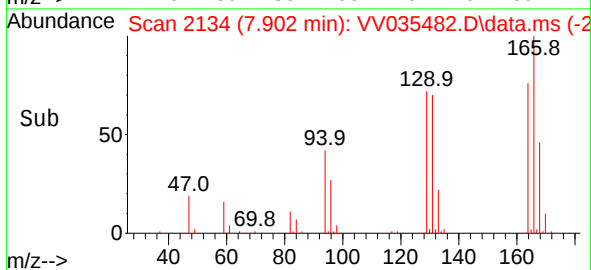
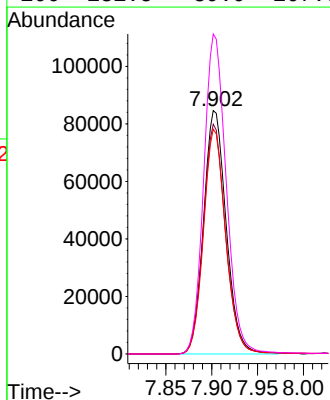
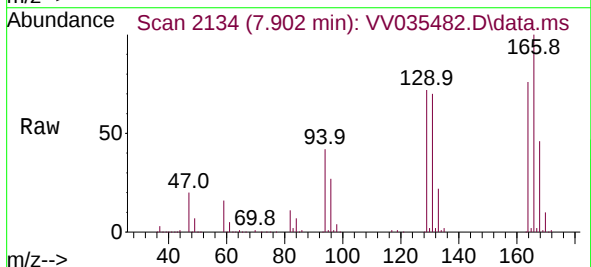
Instrument :  
MSVOA\_V  
ClientSampleId :

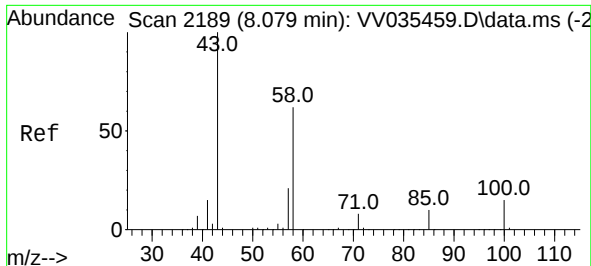
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 207668 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.6  | 44.3  | 82.3   |
| 83       | 84.3  | 60.5  | 112.3  |
| 85       | 55.5  | 39.0  | 72.4   |



#46  
Tetrachloroethene  
Concen: 49.547 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

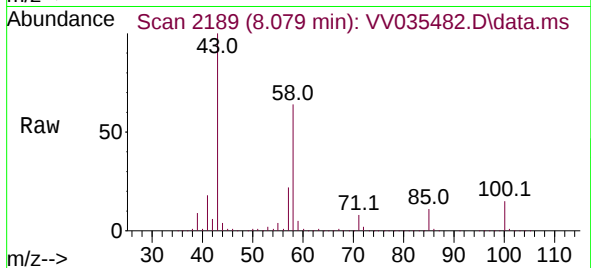
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 145309 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 94.4  | 65.7  | 122.1  |
| 131      | 92.4  | 63.6  | 118.0  |
| 166      | 131.5 | 89.9  | 167.0  |



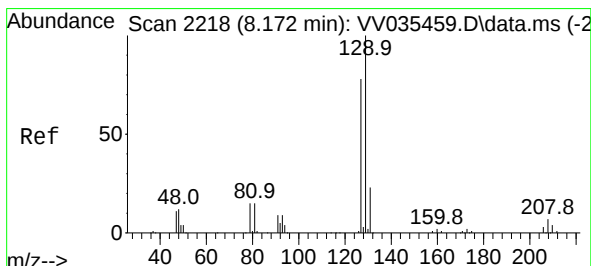
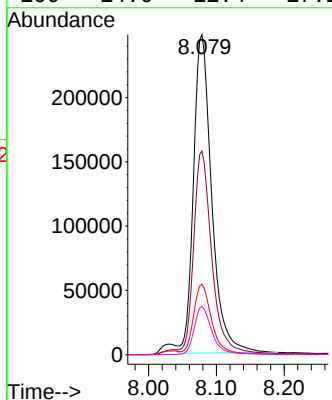
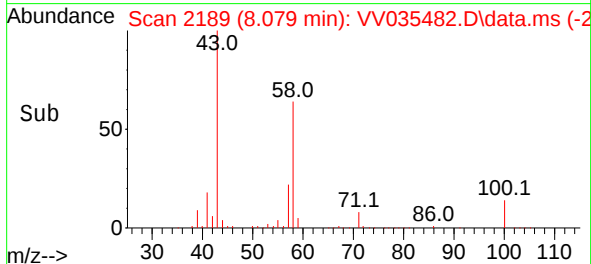


#48  
2-Hexanone  
Concen: 118.396 ug/L  
RT: 8.079 min Scan# 2189  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Instrument :  
MSVOA\_V  
ClientSampleId :

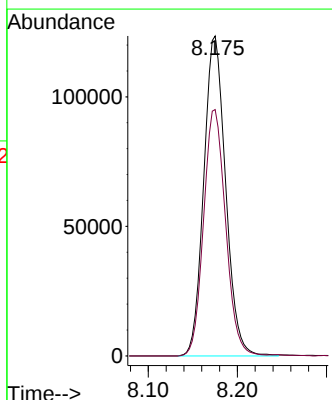
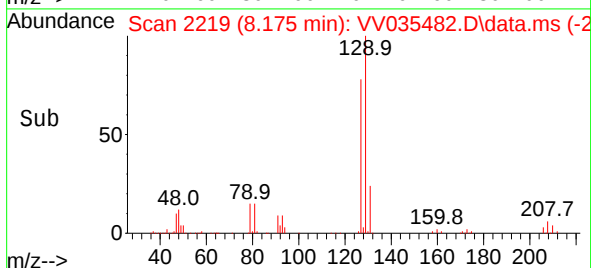
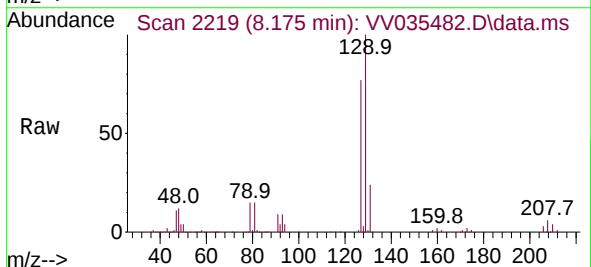


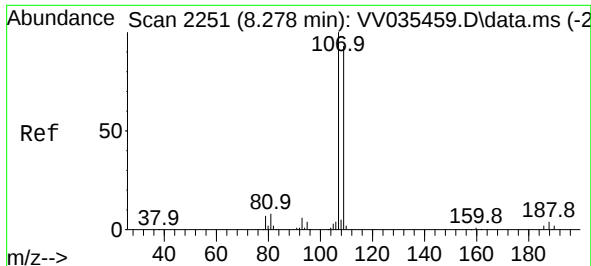
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 462543 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 65.3  | 49.4  | 74.0   |
| 57       | 22.0  | 17.1  | 25.7   |
| 100      | 14.6  | 11.4  | 17.2   |



#49  
Dibromochloromethane  
Concen: 51.251 ug/L  
RT: 8.175 min Scan# 2219  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

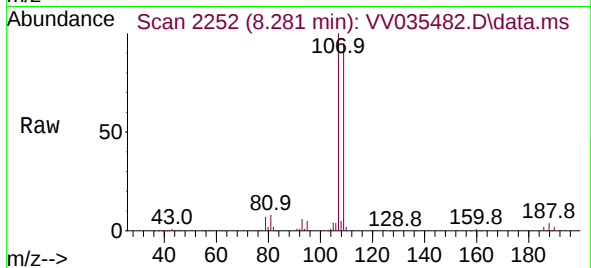
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 210545 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.0  | 53.1  | 98.5   |



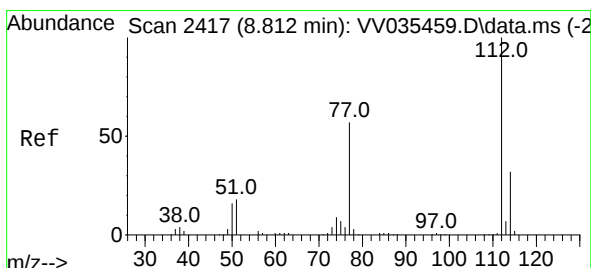
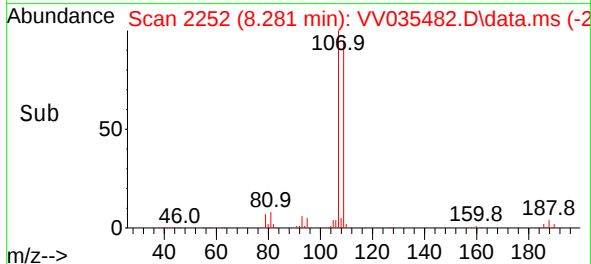
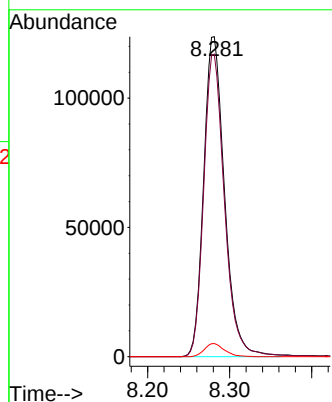


#50  
1,2-Dibromoethane  
Concen: 53.458 ug/L  
RT: 8.281 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Instrument :  
MSVOA\_V  
ClientSampleId :

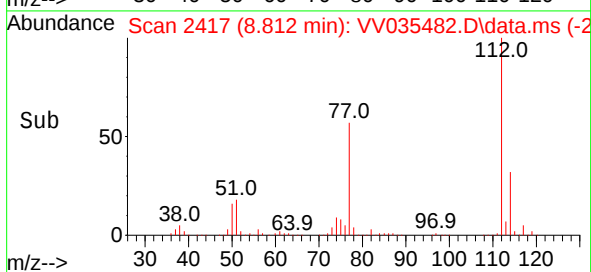
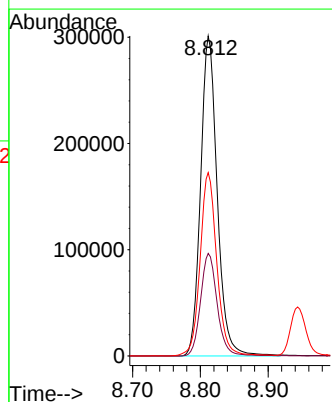
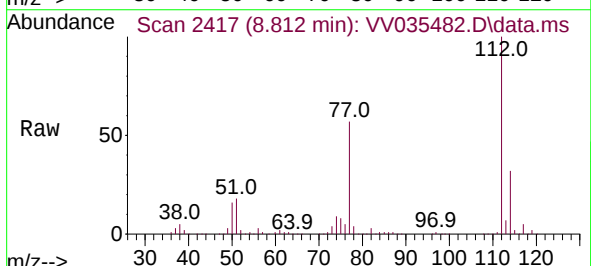


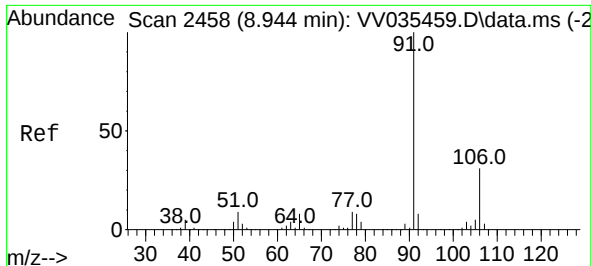
Tgt Ion:107 Resp: 218555  
Ion Ratio Lower Upper  
107 100  
109 94.6 65.7 122.1  
188 4.1 3.1 4.7



#51  
Chlorobenzene  
Concen: 50.431 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion:112 Resp: 513672  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.4 41.6  
77 57.3 45.6 68.4





#52

Ethylbenzene

Concen: 52.294 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

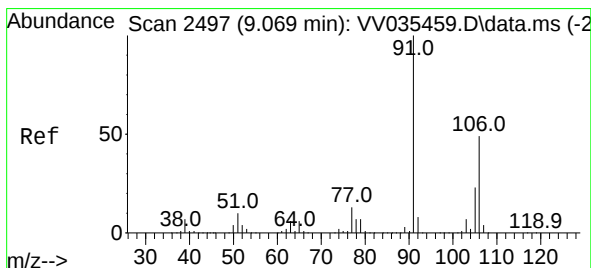
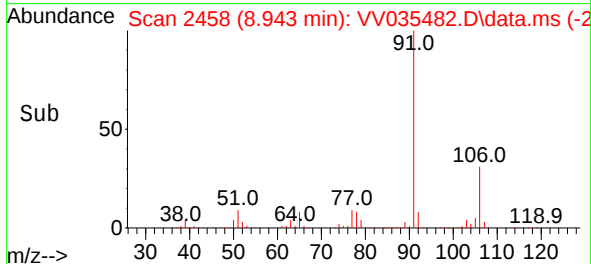
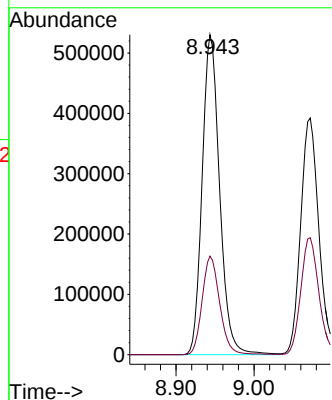
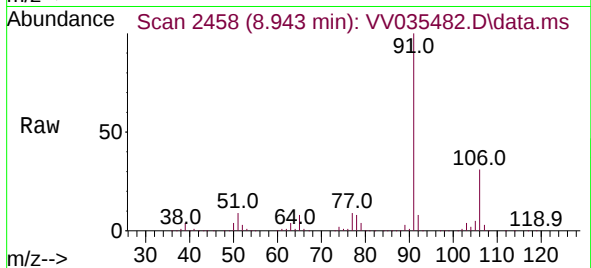
ClientSampleId :

Tgt Ion: 91 Resp: 825398

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#53

m,p-Xylene

Concen: 52.816 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV035482.D

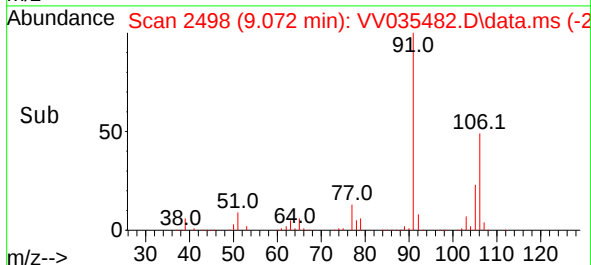
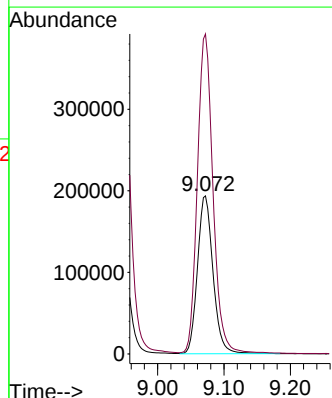
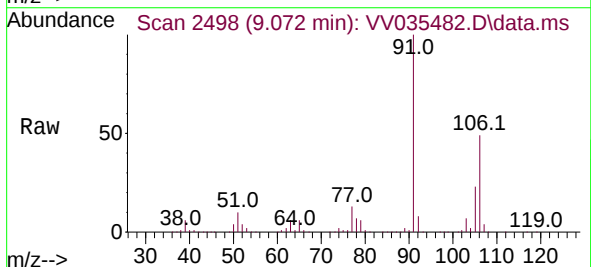
Acq: 29 Apr 2024 19:45

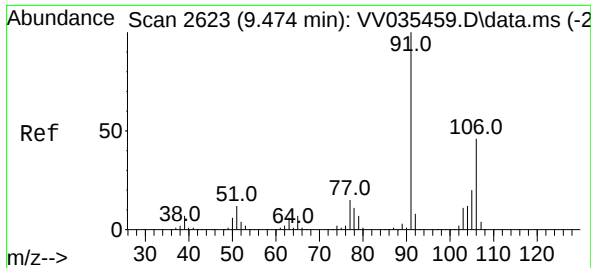
Tgt Ion:106 Resp: 315497

Ion Ratio Lower Upper

106 100

91 202.4 142.2 264.0

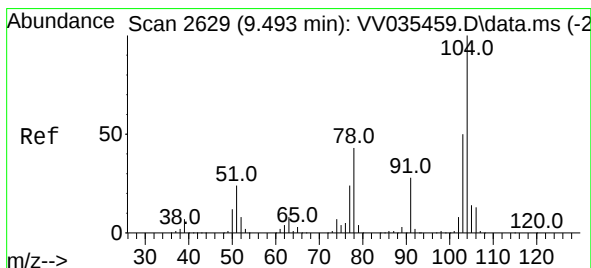
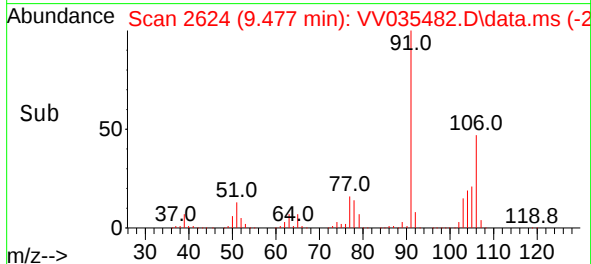
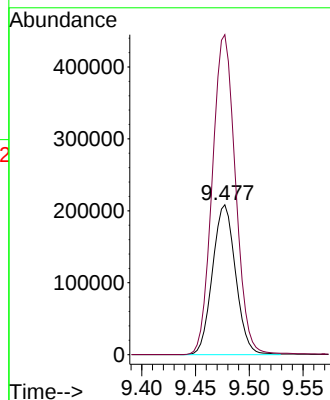
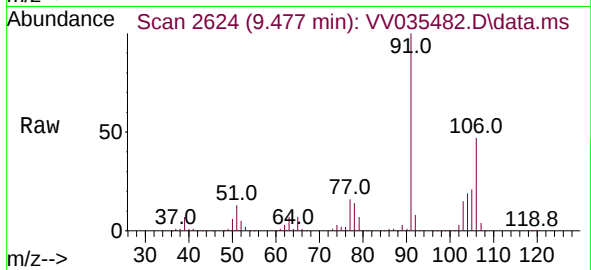




#54  
o-Xylene  
Concen: 53.355 ug/L  
RT: 9.477 min Scan# 2623  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

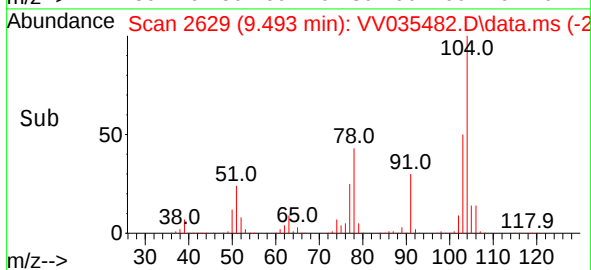
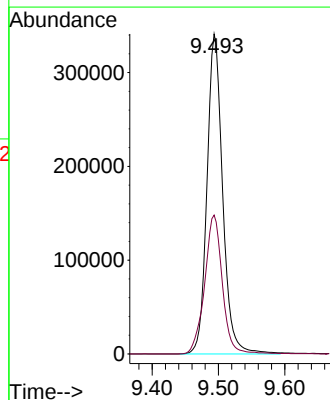
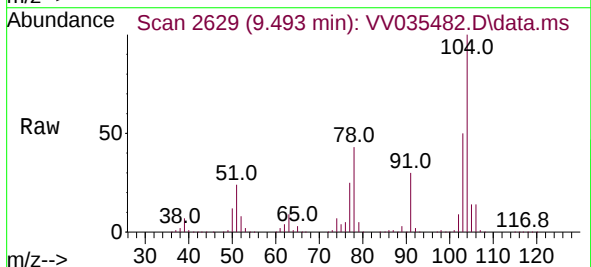
Instrument :  
MSVOA\_V  
ClientSampleId :

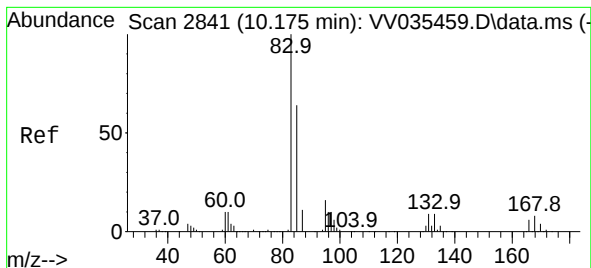
Tgt Ion:106 Resp: 311652  
Ion Ratio Lower Upper  
106 100  
91 213.5 152.7 283.5



#55  
Styrene  
Concen: 55.648 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion:104 Resp: 560565  
Ion Ratio Lower Upper  
104 100  
78 43.4 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 55.400 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :

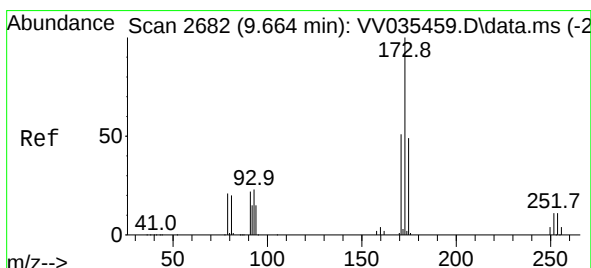
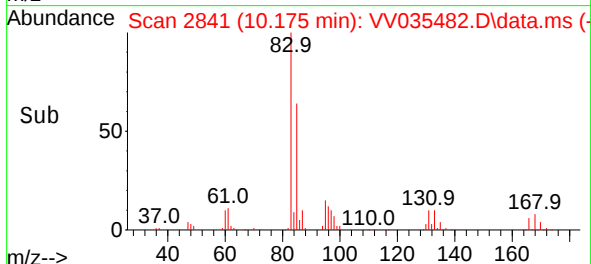
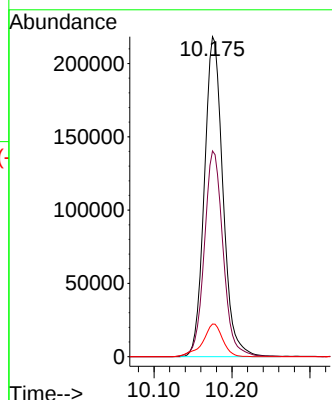
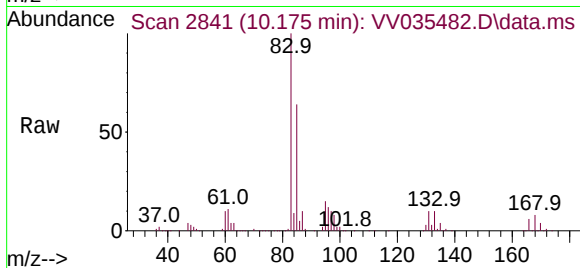
Tgt Ion: 83 Resp: 361901

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.2

131 10.2 7.9 11.9



#59

Bromoform

Concen: 51.988 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

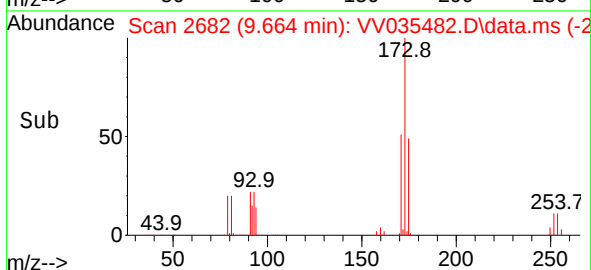
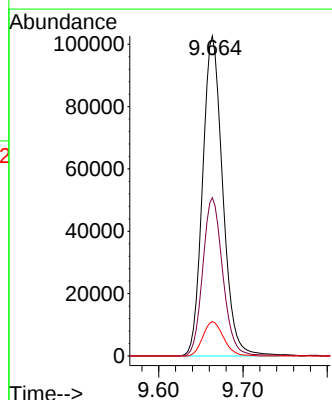
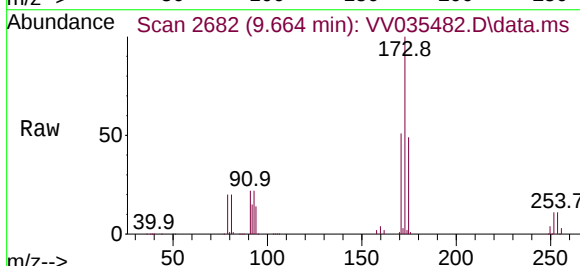
Tgt Ion: 173 Resp: 171080

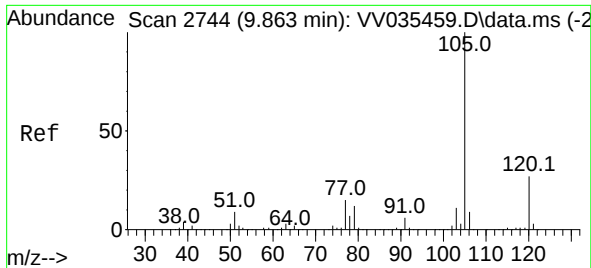
Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

254 11.0 8.7 13.1

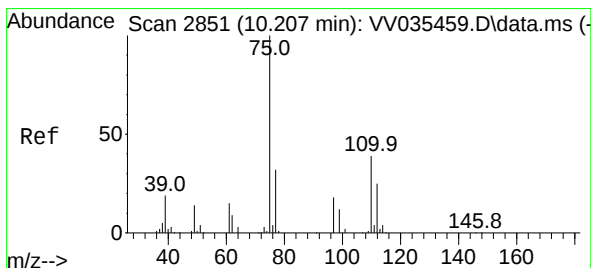
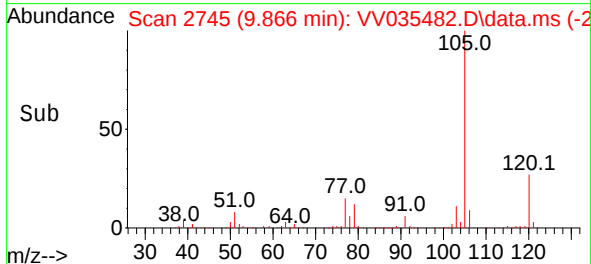
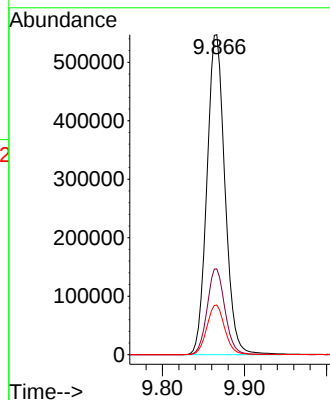
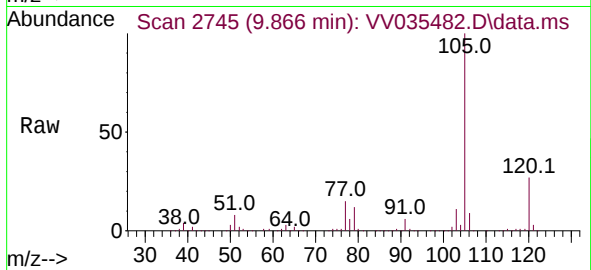




#60  
Isopropylbenzene  
Concen: 52.529 ug/L  
RT: 9.866 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

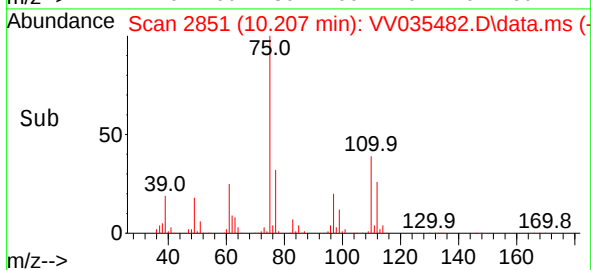
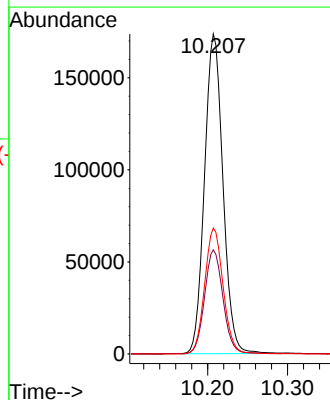
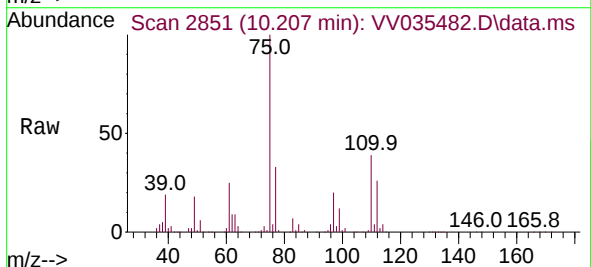
Instrument :  
MSVOA\_V  
ClientSampleId :

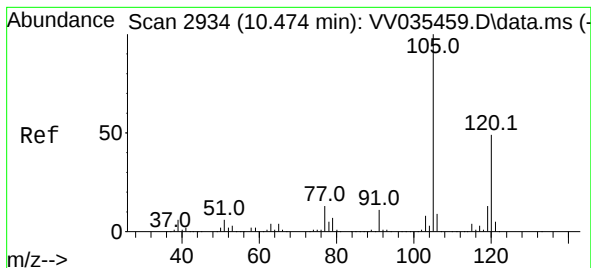
Tgt Ion:105 Resp: 835335  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.1 31.7  
77 15.4 12.4 18.6



#61  
1,2,3-Trichloropropane  
Concen: 53.811 ug/L  
RT: 10.207 min Scan# 2851  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion: 75 Resp: 279184  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.3 37.9  
110 39.4 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 52.467 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

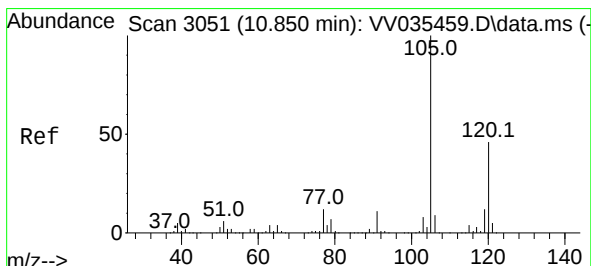
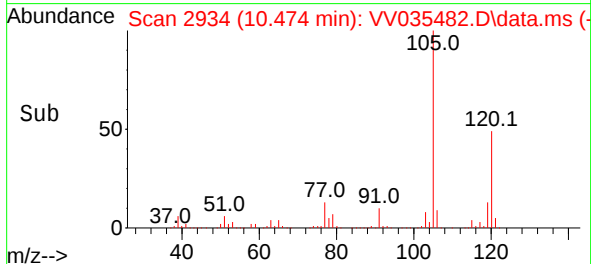
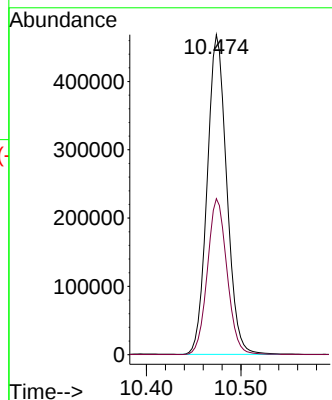
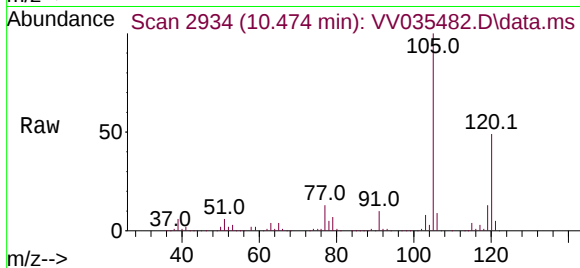
ClientSampleId :

Tgt Ion:105 Resp: 672150

Ion Ratio Lower Upper

105 100

120 49.0 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 54.339 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV035482.D

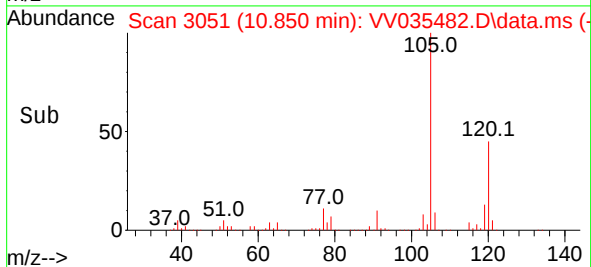
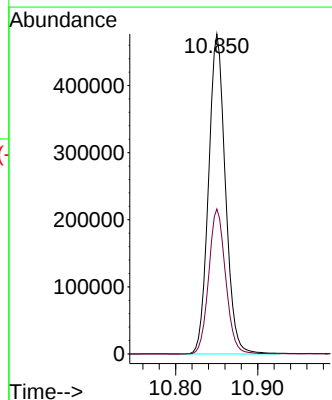
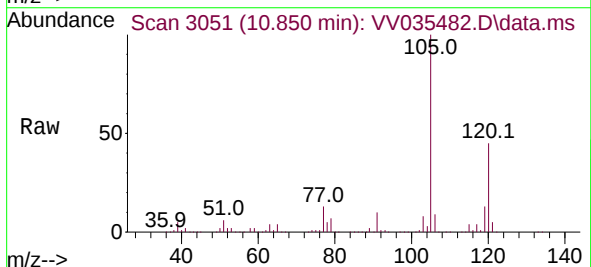
Acq: 29 Apr 2024 19:45

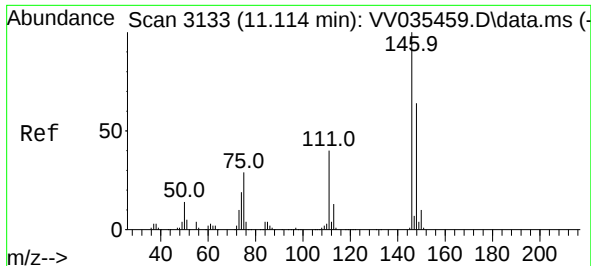
Tgt Ion:105 Resp: 681556

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 51.647 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :

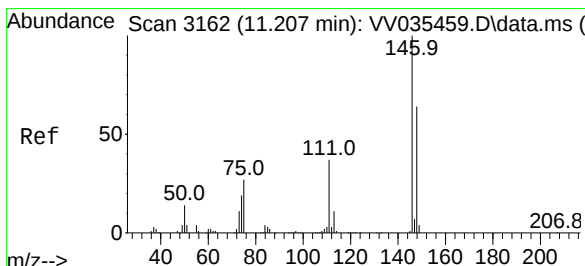
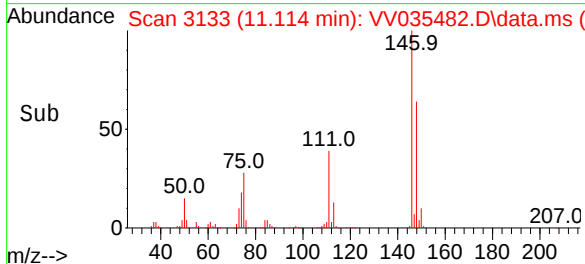
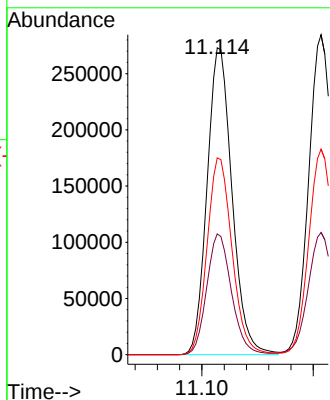
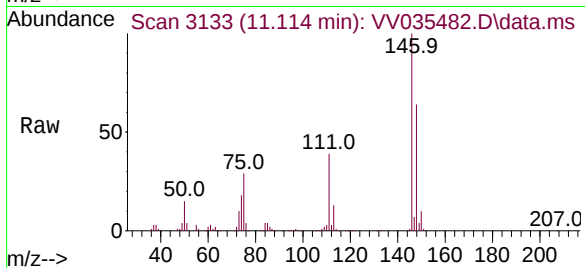
Tgt Ion:146 Resp: 425461

Ion Ratio Lower Upper

146 100

111 39.4 27.0 50.2

148 64.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 52.130 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

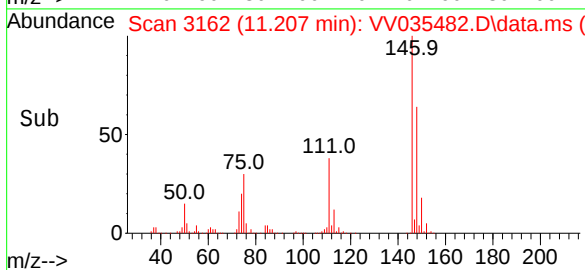
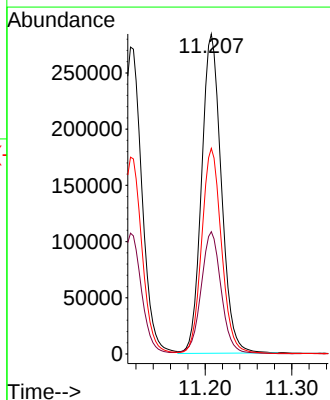
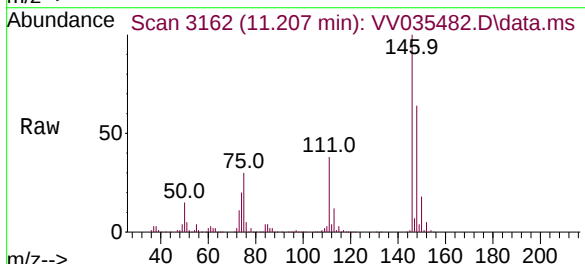
Tgt Ion:146 Resp: 450438

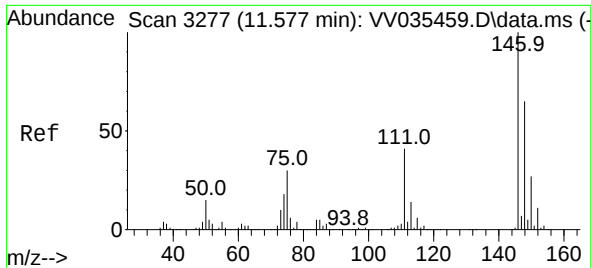
Ion Ratio Lower Upper

146 100

111 38.2 26.5 49.1

148 64.3 45.0 83.6

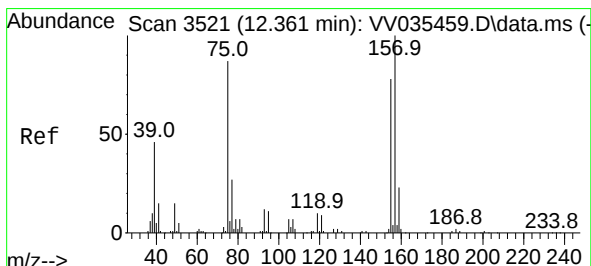
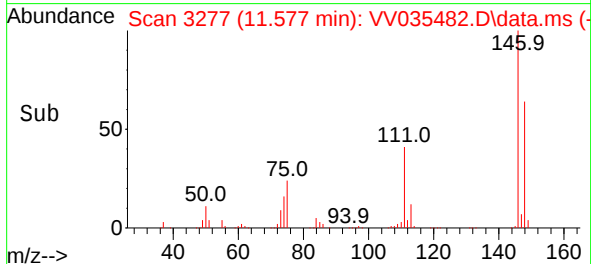
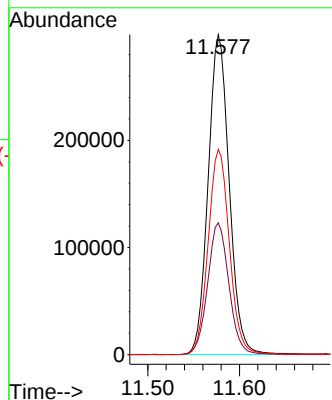
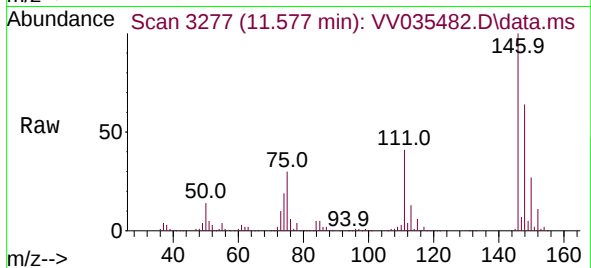




#67  
1,2-Dichlorobenzene  
Concen: 56.937 ug/L  
RT: 11.577 min Scan# 3277  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

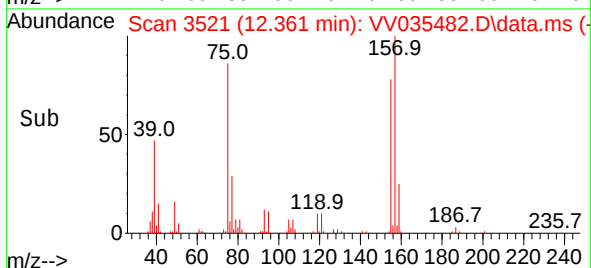
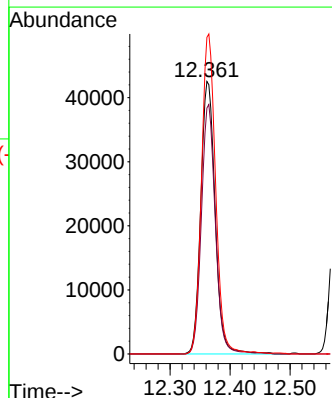
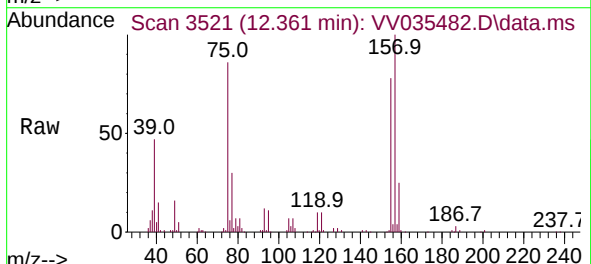
Instrument :  
MSVOA\_V  
ClientSampleId :

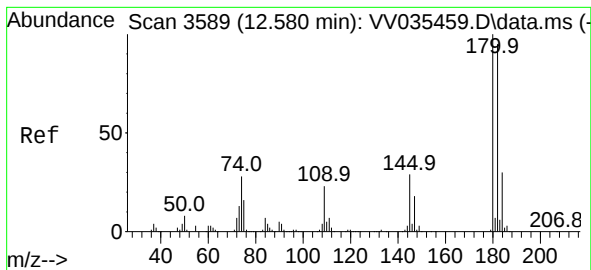
Tgt Ion:146 Resp: 475221  
Ion Ratio Lower Upper  
146 100  
111 41.2 33.3 49.9  
148 64.1 52.2 78.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 60.731 ug/L  
RT: 12.361 min Scan# 3521  
Delta R.T. -0.000 min  
Lab File: VV035482.D  
Acq: 29 Apr 2024 19:45

Tgt Ion: 75 Resp: 71285  
Ion Ratio Lower Upper  
75 100  
155 90.3 70.6 106.0  
157 116.2 89.7 134.5





#69

1,3,5-Trichlorobenzene

Concen: 50.163 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

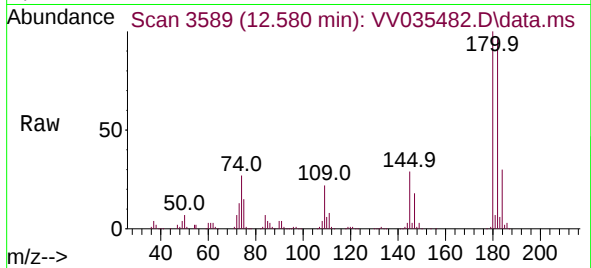
Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 292790

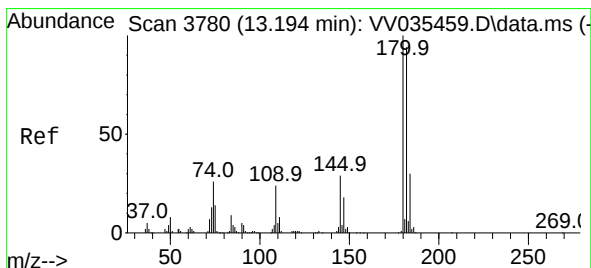
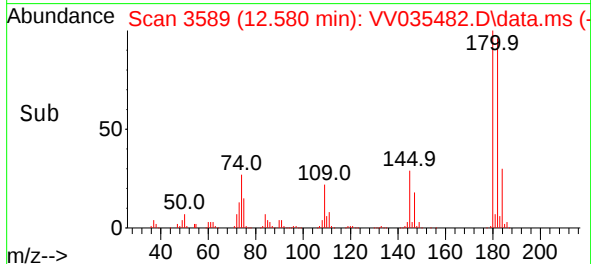
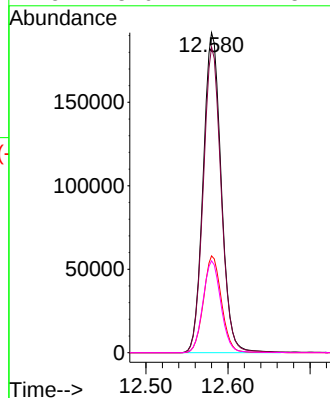
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.2

184 30.2 23.8 35.6

145 28.6 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 66.206 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

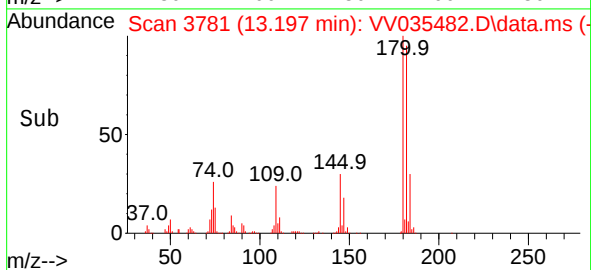
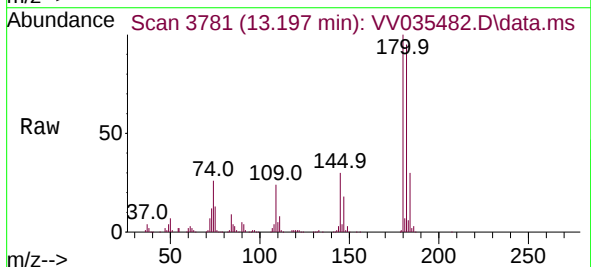
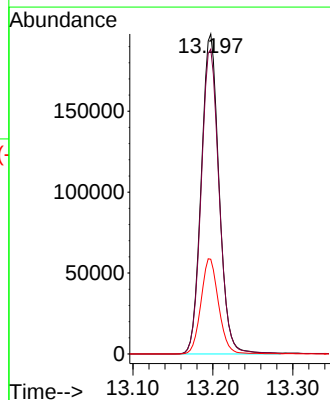
Tgt Ion:180 Resp: 306767

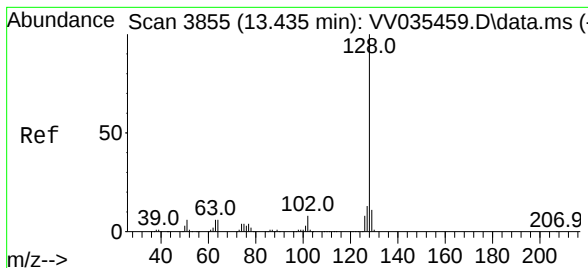
Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 29.4 23.2 34.8





#71

Naphthalene

Concen: 53.865 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Instrument :

MSVOA\_V

ClientSampleId :

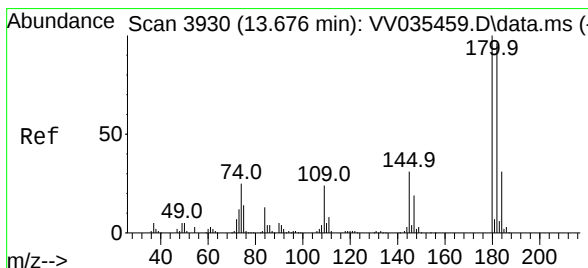
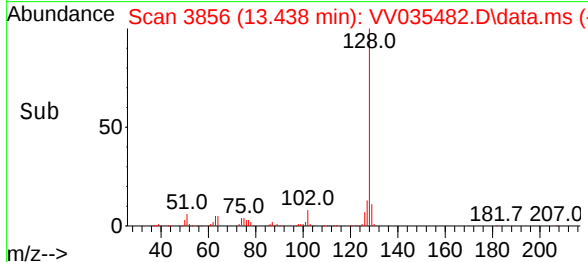
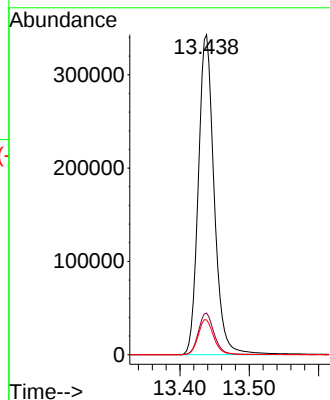
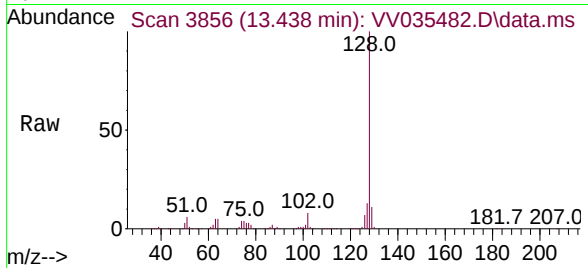
Tgt Ion:128 Resp: 544498

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 64.968 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035482.D

Acq: 29 Apr 2024 19:45

Tgt Ion:180 Resp: 293326

Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

145 31.3 24.7 37.1

