

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120723\  
 Data File : VW033131.D  
 Acq On : 07 Dec 2023 08:52  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 08 01:32:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 06 01:18:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 307463   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 307666   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 189659   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 69188    | 37.643   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 75.280%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 52311    | 40.847   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 27665    | 39.565   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.140%  |
| 21) 2-Butanone-d5             | 3.780   | 46    | 83705    | 91.691   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 91.690%  |
| 24) Chloroform-d              | 4.246   | 84    | 172393   | 44.196   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.941   | 65    | 108281   | 44.650   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.300%  |
| 32) Benzene-d6                | 4.960   | 84    | 310771   | 43.189   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.380%  |
| 36) 1,2-Dichloropropane-d6    | 5.986   | 67    | 84836    | 43.849   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.700%  |
| 41) Toluene-d8                | 7.240   | 98    | 301128   | 43.869   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.740%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 49887    | 40.777   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.560%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 66167    | 85.130   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 85.130%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153  | 84    | 133217   | 48.437   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 150197   | 44.510   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.020%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 157450   | 46.849   | ug/L   | 99       |
| 3) Chloromethane              | 1.214   | 50    | 99926    | 45.081   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.282   | 62    | 100127   | 47.100   | ug/L   | 100      |
| 6) Bromomethane               | 1.484   | 94    | 66432    | 47.891   | ug/L   | 100      |
| 8) Chloroethane               | 1.549   | 64    | 53066    | 46.887   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 174791   | 49.829   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 84374    | 51.221   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 78012    | 50.609   | ug/L   | 93       |
| 13) Acetone                   | 2.108   | 43    | 57929    | 66.469   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.240   | 76    | 248522   | 44.938   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 68530    | 47.179   | ug/L   | 96       |
| 16) Methylene chloride        | 2.446   | 84    | 99641    | 48.816   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 97374    | 48.112   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.700   | 73    | 297356   | 48.365   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 160440   | 47.896   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.812   | 96    | 105401   | 49.081   | ug/L   | 99       |
| 22) 2-Butanone                | 3.860   | 43    | 86461    | 77.957   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.146   | 128   | 60320    | 48.918   | ug/L   | 97       |
| 25) Chloroform                | 4.272   | 83    | 191656   | 49.749   | ug/L   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120723\  
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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 08 01:32:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 06 01:18:11 2023  
 Response via : Initial Calibration

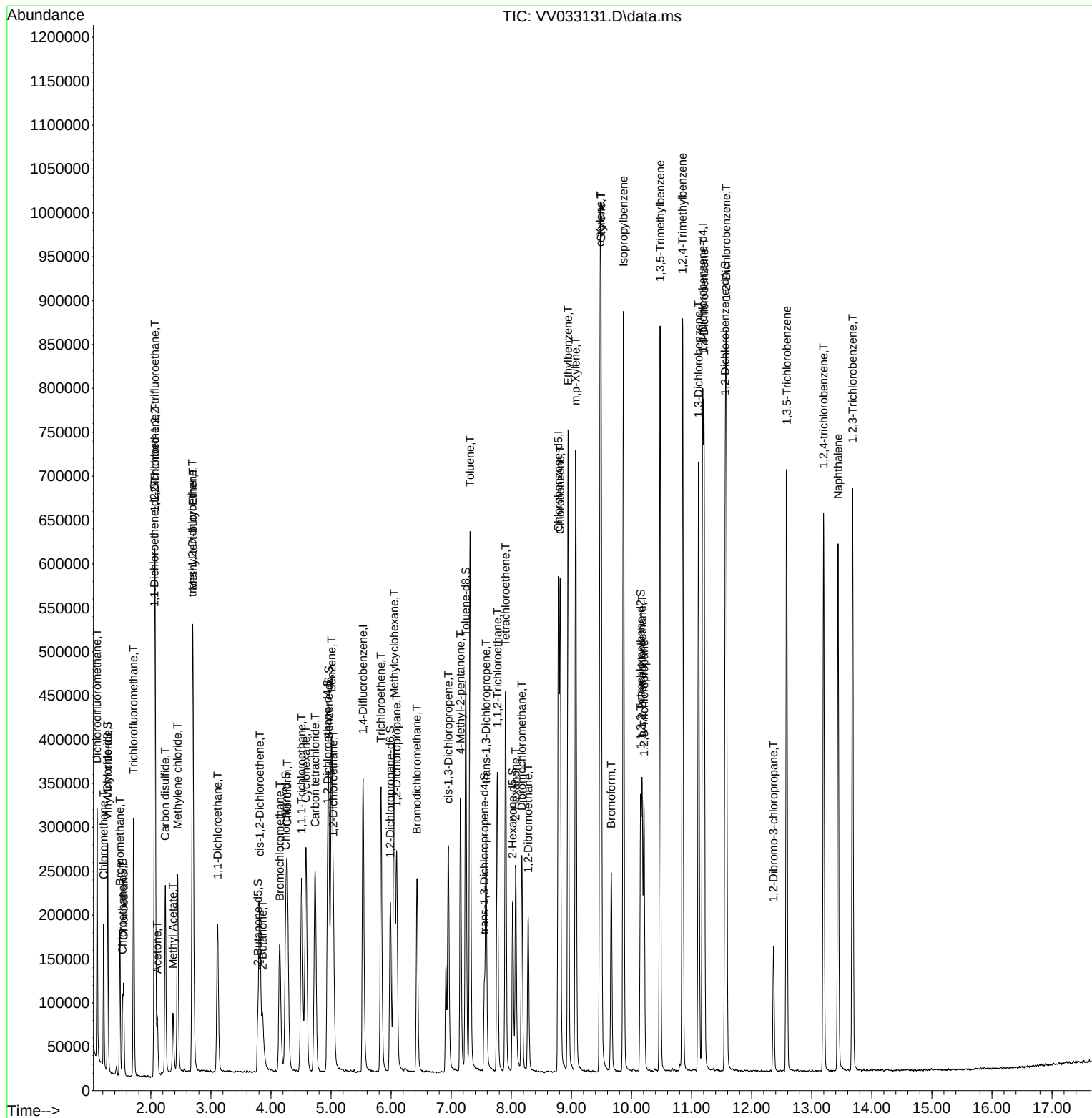
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 153705   | 50.490 | ug/L  | 99       |
| 29) Cyclohexane               | 4.581  | 56   | 131977   | 46.443 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 188985   | 49.702 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 178616   | 50.521 | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 388668   | 49.852 | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 109767   | 47.126 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 163259   | 48.294 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 88053    | 48.800 | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.429  | 83   | 145503   | 50.020 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 150925   | 46.096 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 180126   | 94.021 | ug/L  | 98       |
| 42) Toluene                   | 7.314  | 91   | 450943   | 51.328 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 158704   | 47.936 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 102223   | 48.861 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.905  | 164  | 99633    | 49.760 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.072  | 43   | 130359   | 82.070 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.175  | 129  | 126504   | 50.653 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 112206   | 50.306 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 306372   | 49.589 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 506062   | 50.043 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 202278   | 50.510 | ug/L  | 95       |
| 54) o-Xylene                  | 9.477  | 106  | 197940   | 50.089 | ug/L  | 99       |
| 55) Styrene                   | 9.494  | 104  | 355057   | 51.937 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 141137   | 49.377 | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 99662    | 48.417 | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 544638   | 49.804 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 114116   | 48.253 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 438029   | 49.716 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 459175   | 50.042 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 283476   | 48.521 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 293928   | 48.433 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 282690   | 49.356 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 33039    | 45.530 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 221306   | 47.290 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.198 | 180  | 198389   | 45.886 | ug/L  | 98       |
| 71) Naphthalene               | 13.439 | 128  | 476073   | 45.151 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 203973   | 48.892 | ug/L  | 99       |

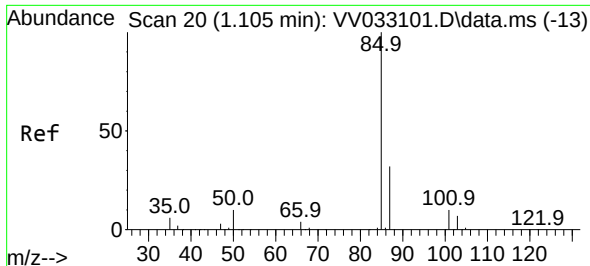
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV120723\  
 Data File : VV033131.D  
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 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

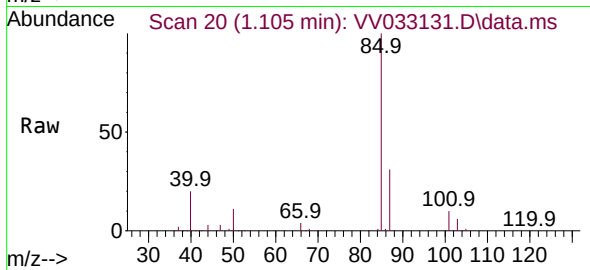
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 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 06 01:18:11 2023  
 Response via : Initial Calibration



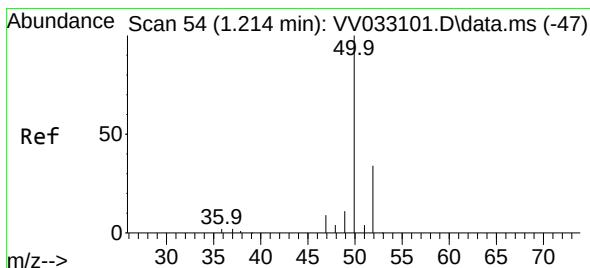
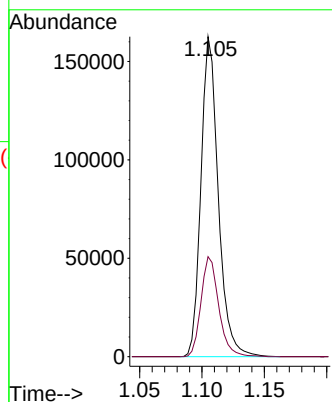
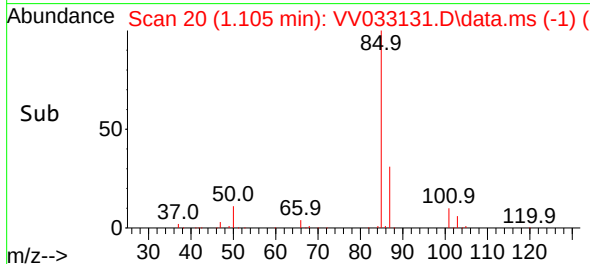


#2  
 Dichlorodifluoromethane  
 Concen: 46.849 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV033131.D  
 Acq: 07 Dec 2023 08:52

Instrument :  
 MSVOA\_V  
 ClientSampleId :

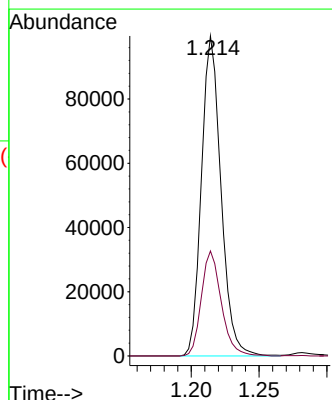
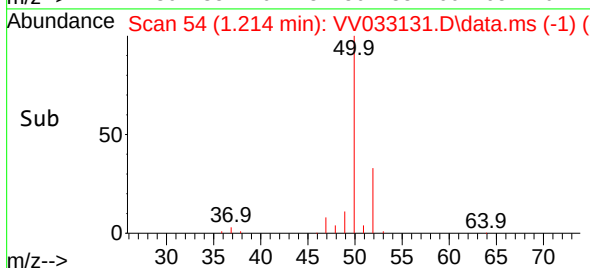
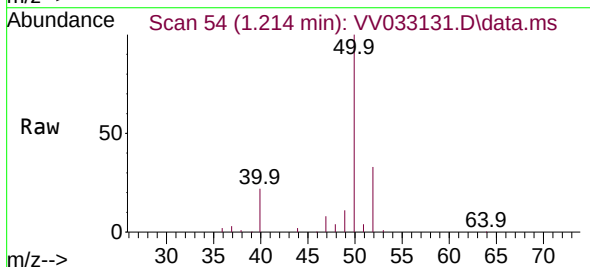


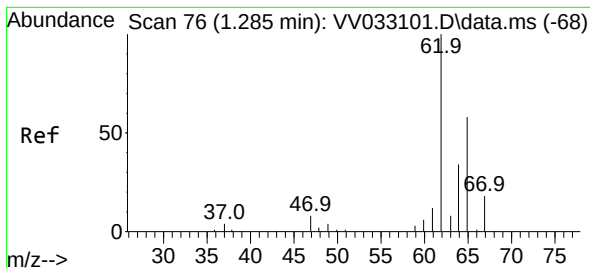
Tgt Ion: 85 Resp: 157450  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 26.0 39.0



#3  
 Chloromethane  
 Concen: 45.081 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.000 min  
 Lab File: VV033131.D  
 Acq: 07 Dec 2023 08:52

Tgt Ion: 50 Resp: 99926  
 Ion Ratio Lower Upper  
 50 100  
 52 32.8 22.8 42.4





#5

Vinyl chloride

Concen: 47.100 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

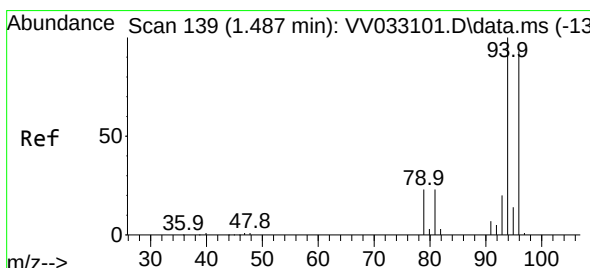
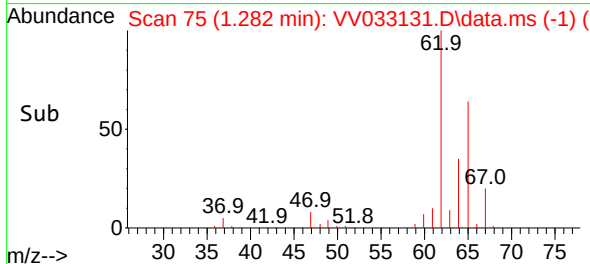
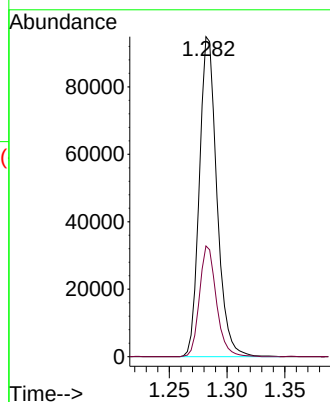
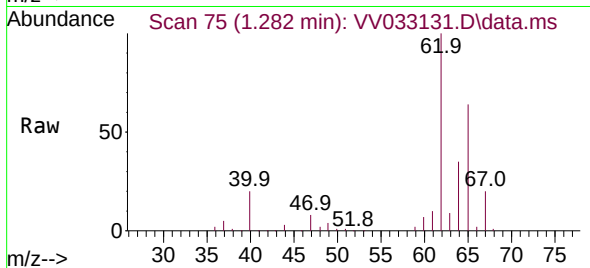
ClientSampleId :

Tgt Ion: 62 Resp: 100127

Ion Ratio Lower Upper

62 100

64 34.6 24.2 45.0



#6

Bromomethane

Concen: 47.891 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV033131.D

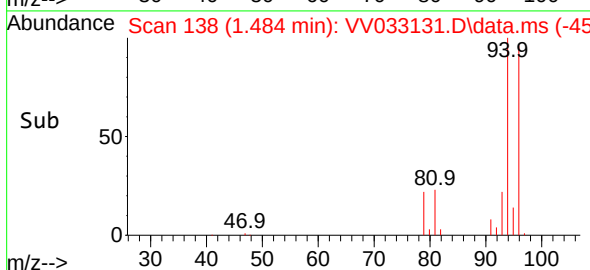
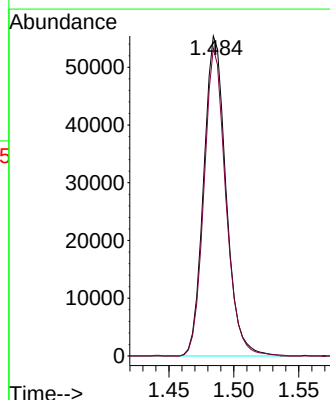
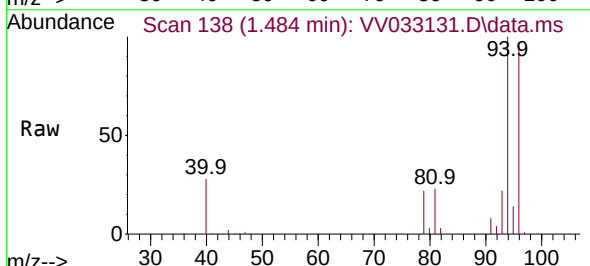
Acq: 07 Dec 2023 08:52

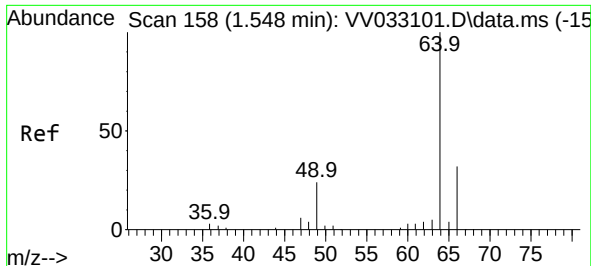
Tgt Ion: 94 Resp: 66432

Ion Ratio Lower Upper

94 100

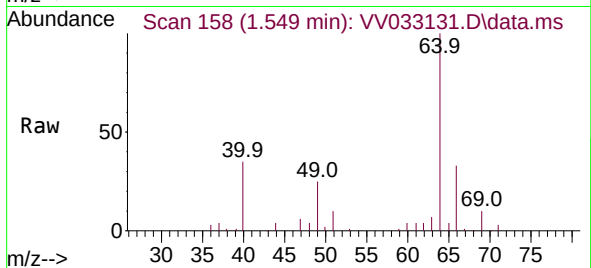
96 96.2 67.1 124.7



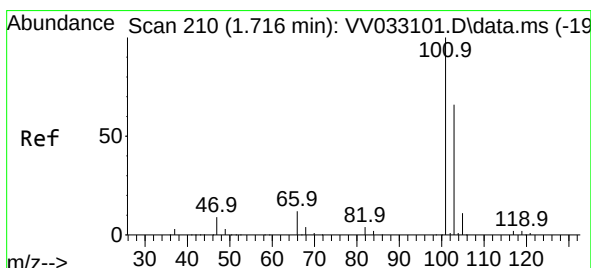
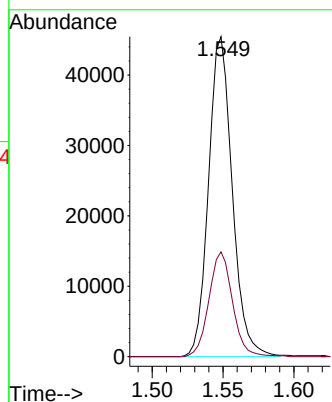
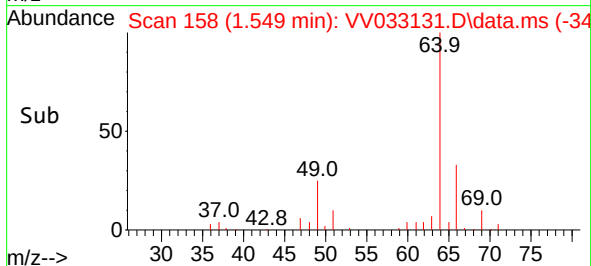


#8  
Chloroethane  
Concen: 46.887 ug/L  
RT: 1.549 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Instrument :  
MSVOA\_V  
ClientSampleId :

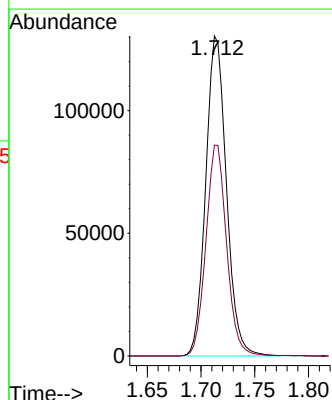
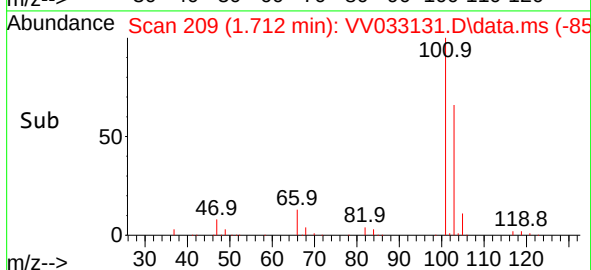
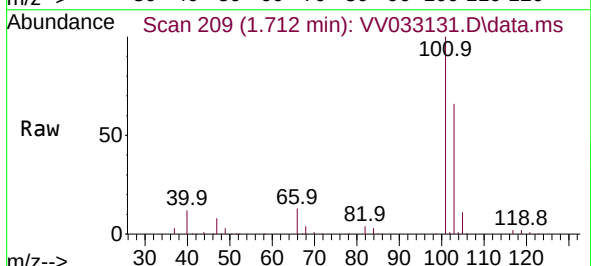


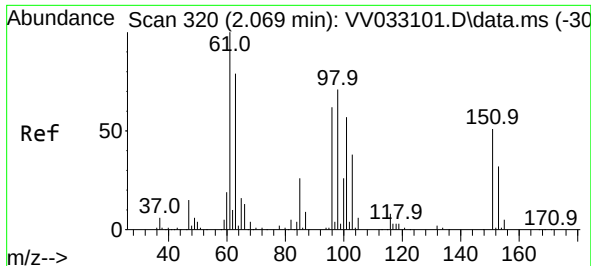
Tgt Ion: 64 Resp: 53066  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 49.829 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 101 Resp: 174791  
Ion Ratio Lower Upper  
101 100  
103 65.9 51.3 76.9





#10

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

Concen: 51.221 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

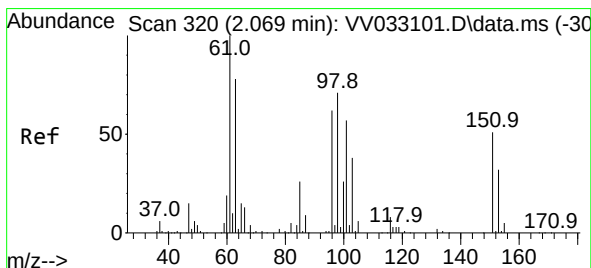
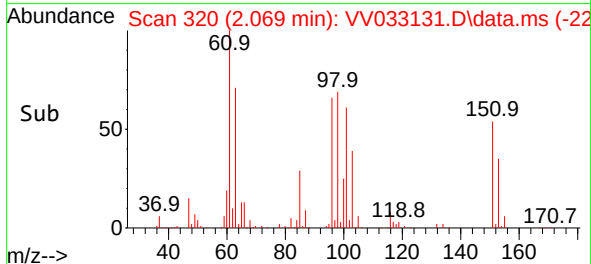
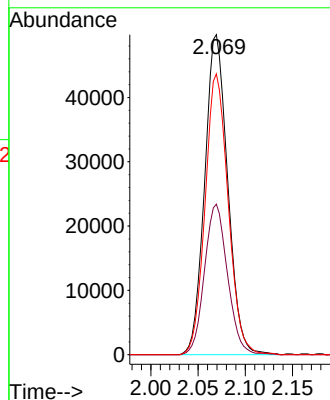
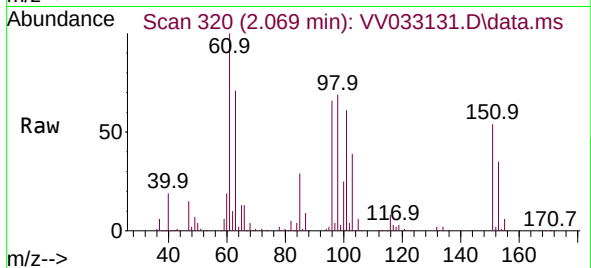
Tgt Ion:101 Resp: 84374

Ion Ratio Lower Upper

101 100

85 46.8 36.0 54.0

151 87.9 69.1 103.7



#12

1,1-Dichloroethene

Concen: 50.609 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

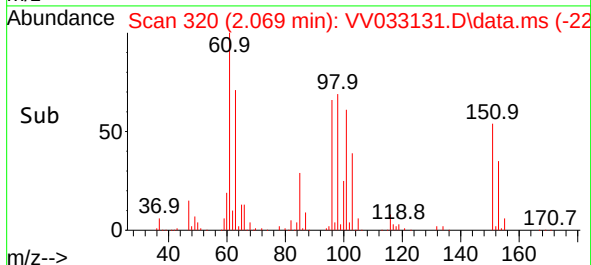
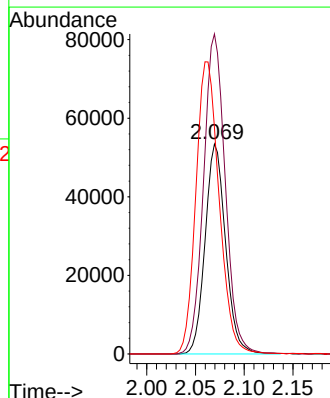
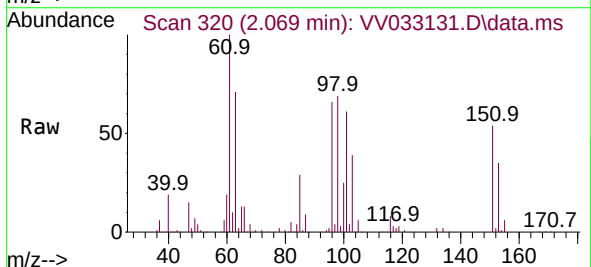
Tgt Ion: 96 Resp: 78012

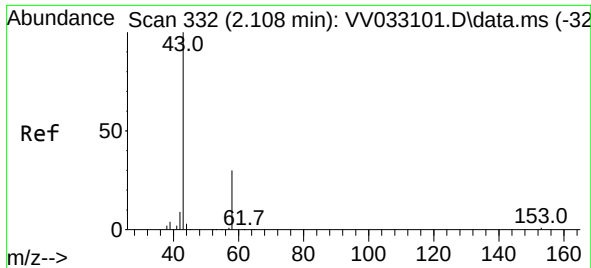
Ion Ratio Lower Upper

96 100

61 152.4 109.1 202.7

63 107.9 85.3 158.3





#13

Acetone

Concen: 66.469 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

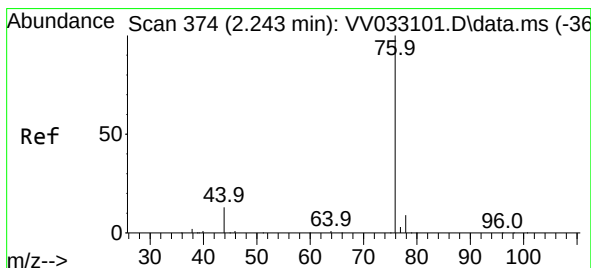
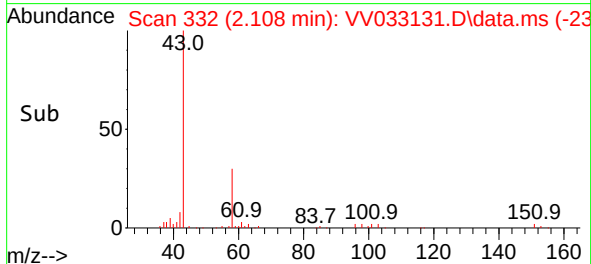
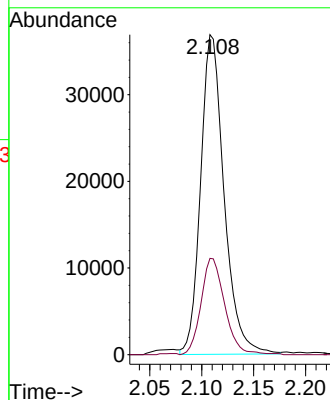
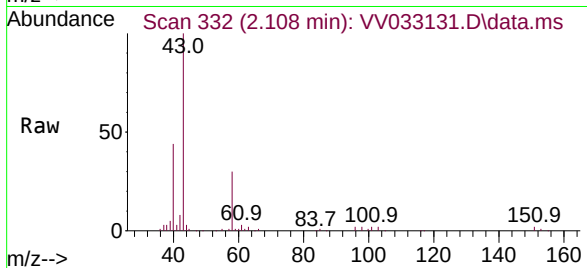
ClientSampleId :

Tgt Ion: 43 Resp: 57929

Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.8



#14

Carbon disulfide

Concen: 44.938 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033131.D

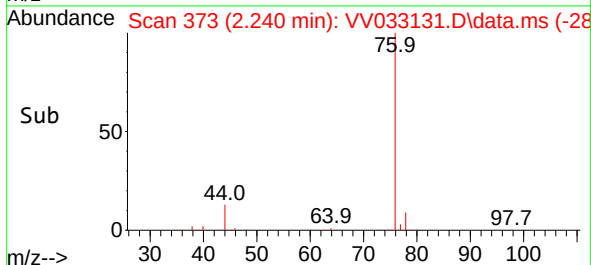
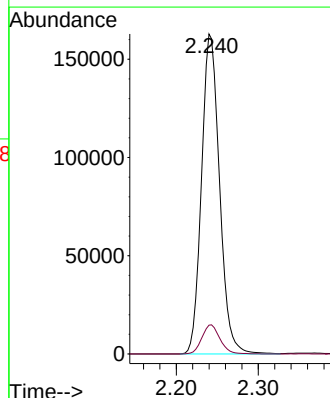
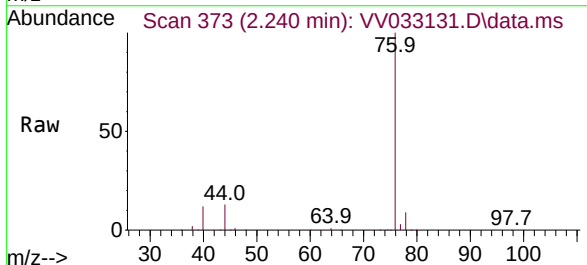
Acq: 07 Dec 2023 08:52

Tgt Ion: 76 Resp: 248522

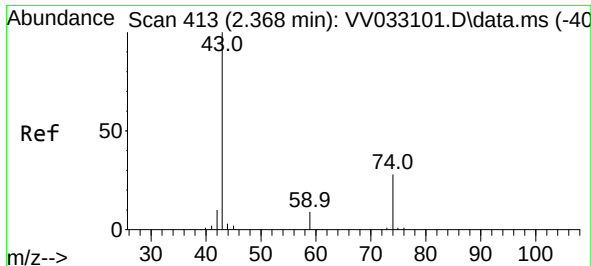
Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



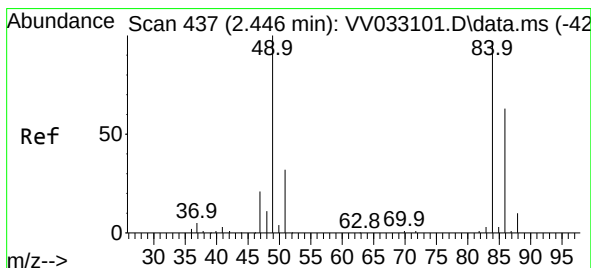
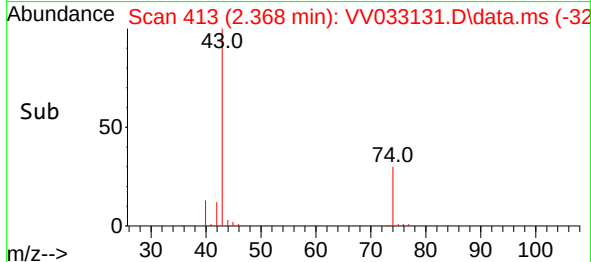
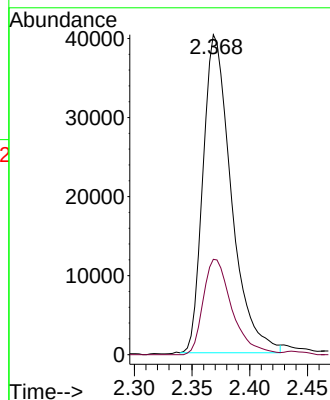
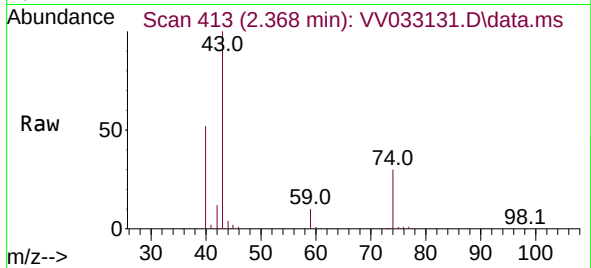




#15  
Methyl Acetate  
Concen: 47.179 ug/L  
RT: 2.368 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

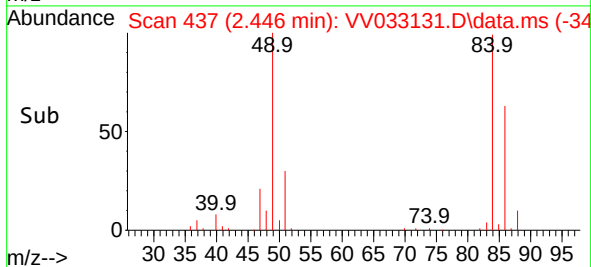
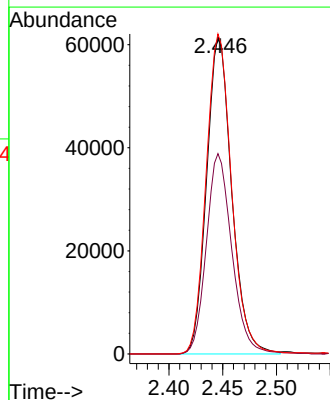
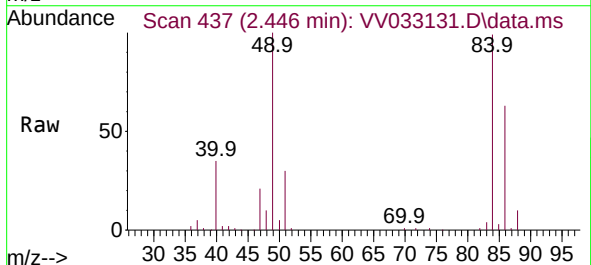
Instrument :  
MSVOA\_V  
ClientSampleId :

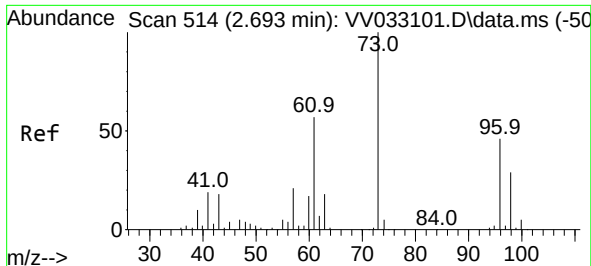
Tgt Ion: 43 Resp: 68530  
Ion Ratio Lower Upper  
43 100  
74 30.6 22.6 33.8



#16  
Methylene chloride  
Concen: 48.816 ug/L  
RT: 2.446 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 84 Resp: 99641  
Ion Ratio Lower Upper  
84 100  
86 63.2 45.9 85.3  
49 100.9 75.5 140.1





#17

trans-1,2-Dichloroethene

Concen: 48.112 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

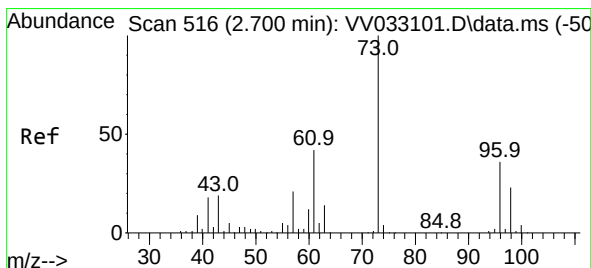
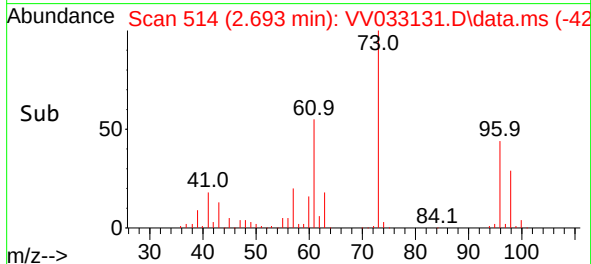
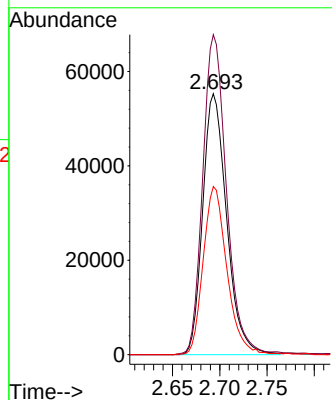
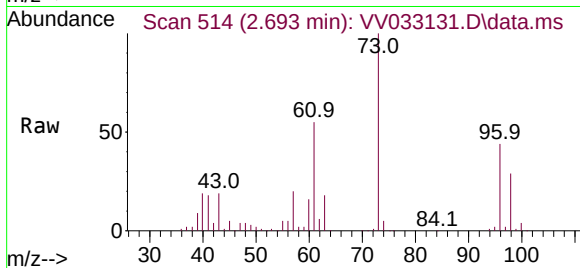
Tgt Ion: 96 Resp: 97374

Ion Ratio Lower Upper

96 100

61 122.6 86.5 160.6

98 64.4 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 48.365 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

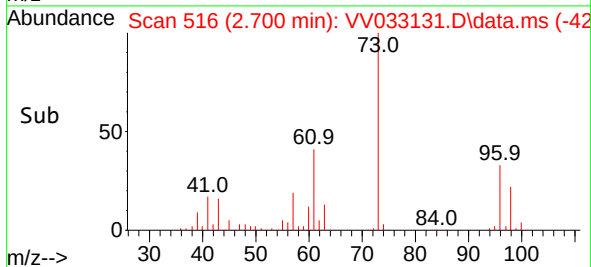
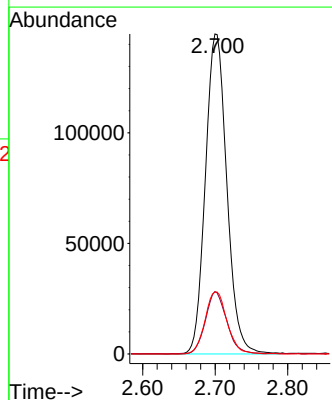
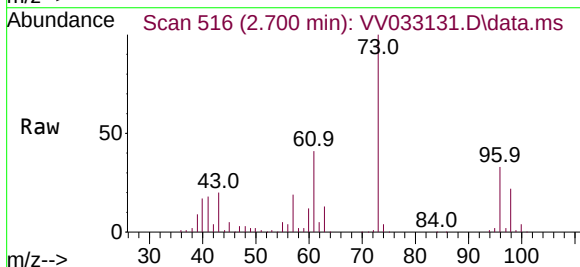
Tgt Ion: 73 Resp: 297356

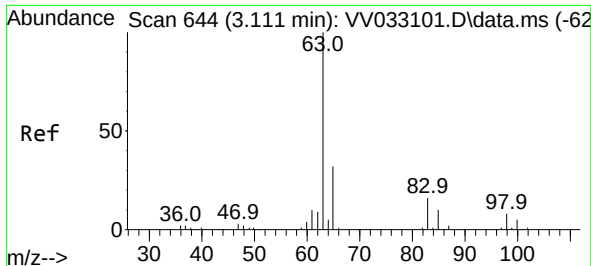
Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.2

57 19.9 16.1 24.1





#19

1,1-Dichloroethane

Concen: 47.896 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

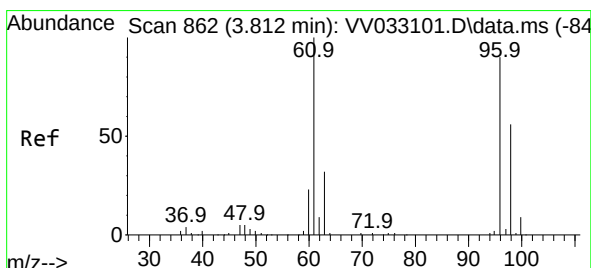
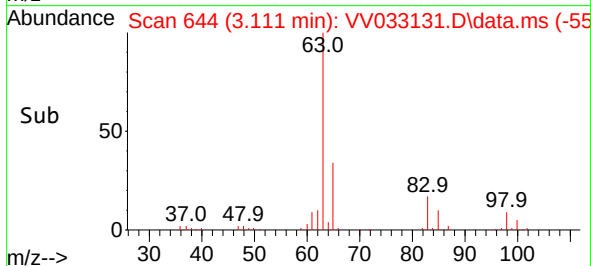
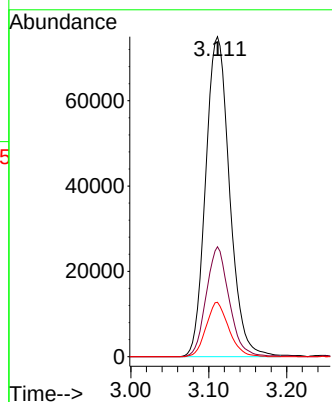
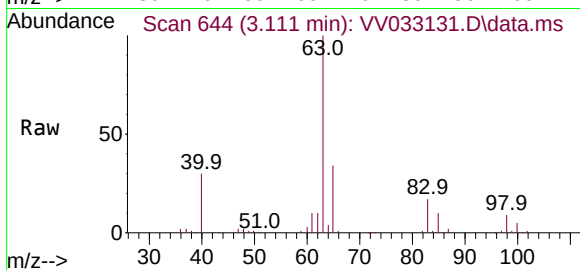
Tgt Ion: 63 Resp: 160440

Ion Ratio Lower Upper

63 100

65 34.4 23.0 42.6

83 17.0 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 49.081 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

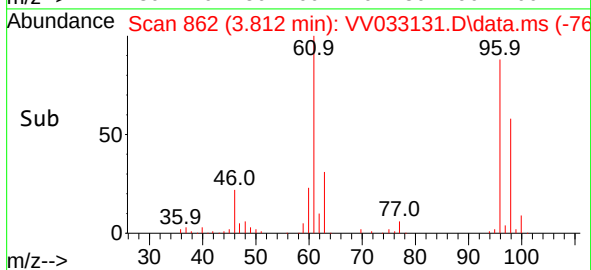
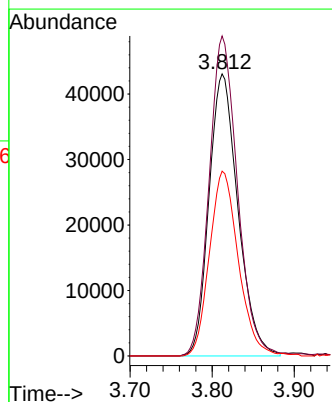
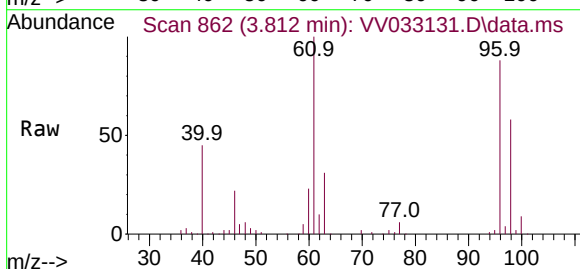
Tgt Ion: 96 Resp: 105401

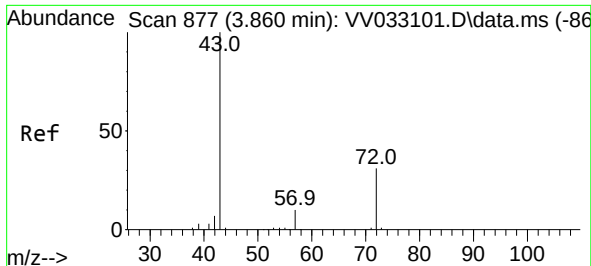
Ion Ratio Lower Upper

96 100

61 113.5 79.1 146.9

98 65.5 45.1 83.7

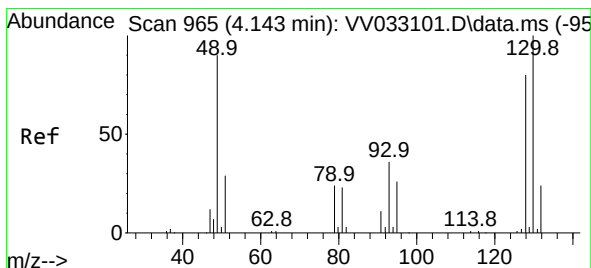
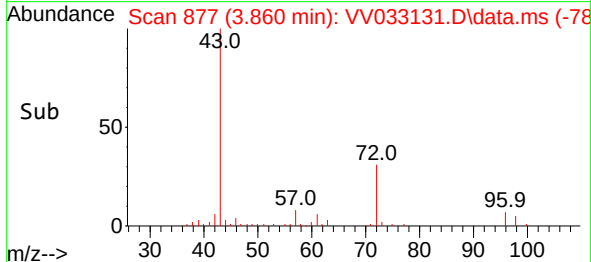
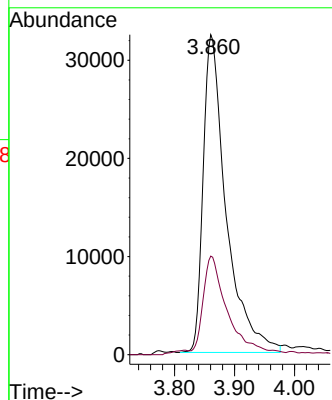
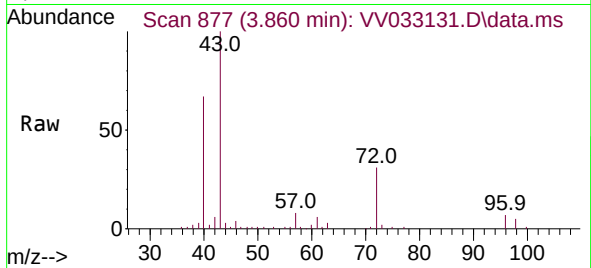




#22  
2-Butanone  
Concen: 77.957 ug/L  
RT: 3.860 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

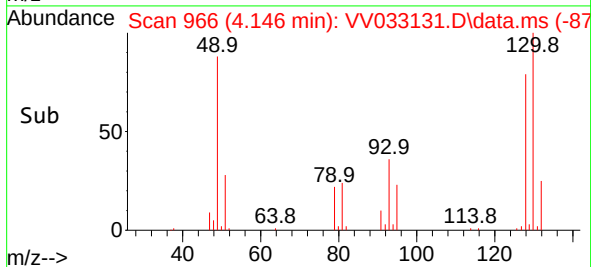
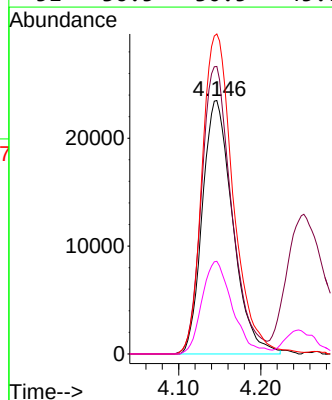
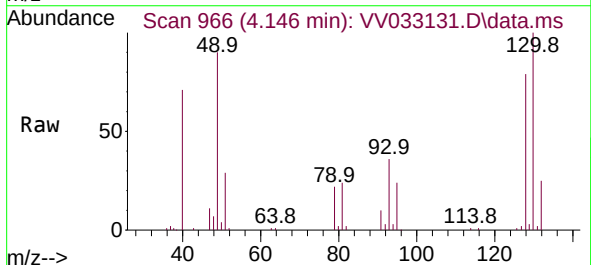
Instrument :  
MSVOA\_V  
ClientSampleId :

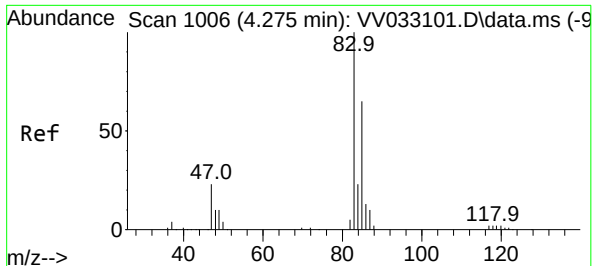
Tgt Ion: 43 Resp: 86461  
Ion Ratio Lower Upper  
43 100  
72 30.1 14.6 43.8



#23  
Bromochloromethane  
Concen: 48.918 ug/L  
RT: 4.146 min Scan# 966  
Delta R.T. 0.003 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion:128 Resp: 60320  
Ion Ratio Lower Upper  
128 100  
49 113.4 81.7 151.7  
130 126.3 90.1 167.3  
51 36.5 30.5 45.7

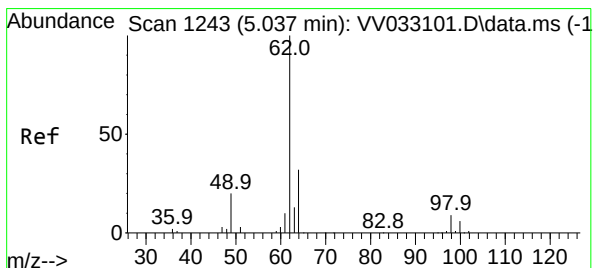
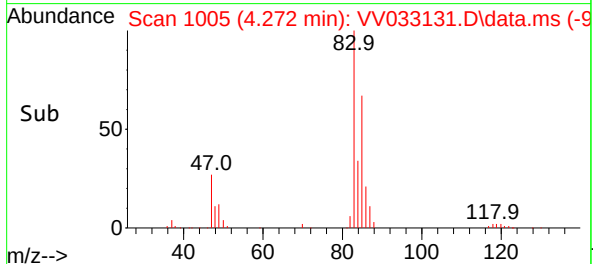
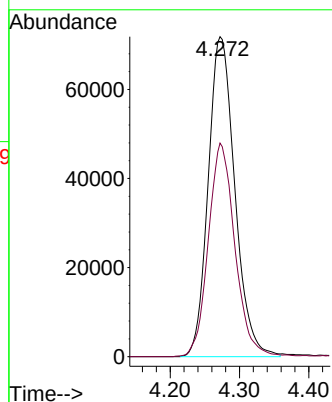
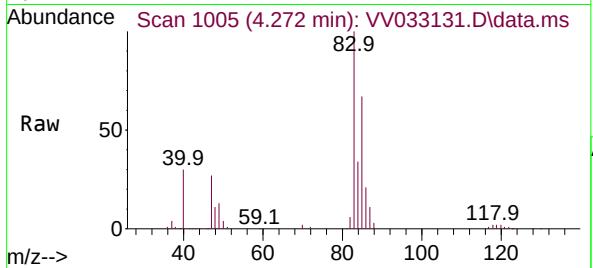




#25  
Chloroform  
Concen: 49.749 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

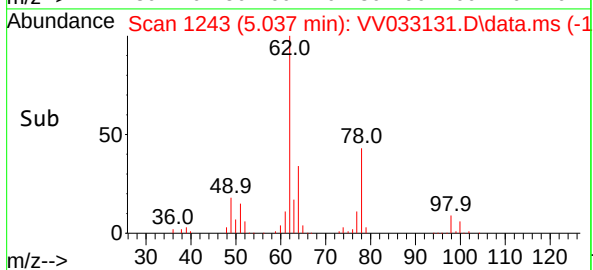
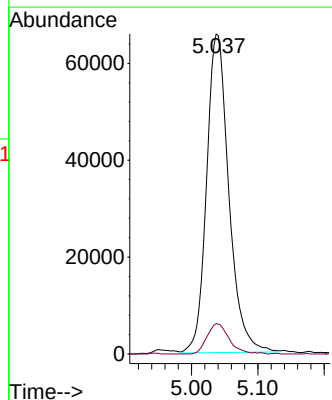
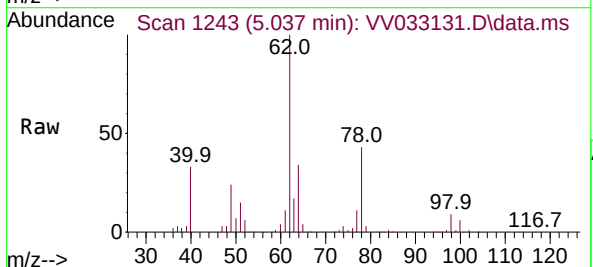
Instrument :  
MSVOA\_V  
ClientSampleId :

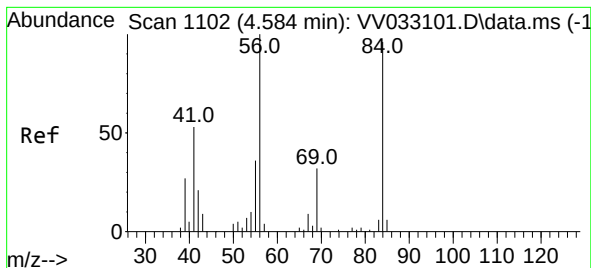
Tgt Ion: 83 Resp: 191656  
Ion Ratio Lower Upper  
83 100  
85 66.7 43.5 80.7



#27  
1,2-Dichloroethane  
Concen: 50.490 ug/L  
RT: 5.037 min Scan# 1243  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 62 Resp: 153705  
Ion Ratio Lower Upper  
62 100  
98 9.4 7.8 11.8





#29

Cyclohexane

Concen: 46.443 ug/L

RT: 4.581 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

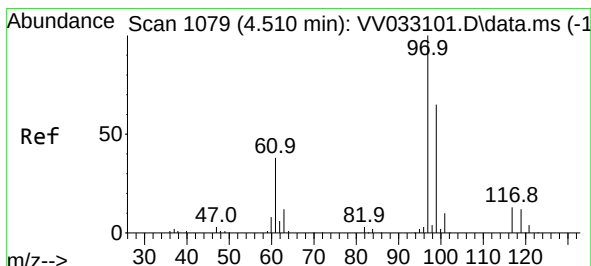
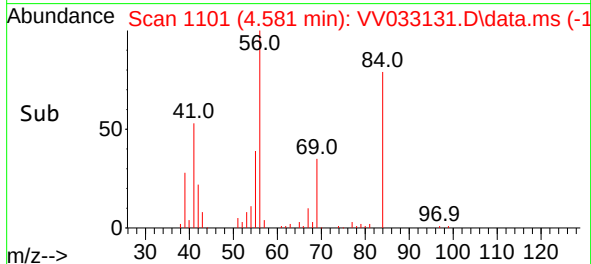
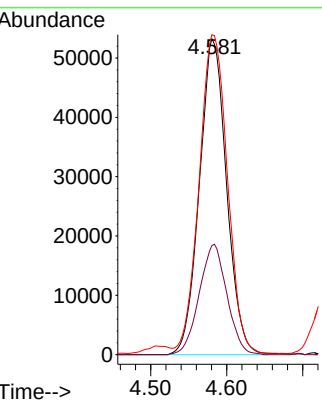
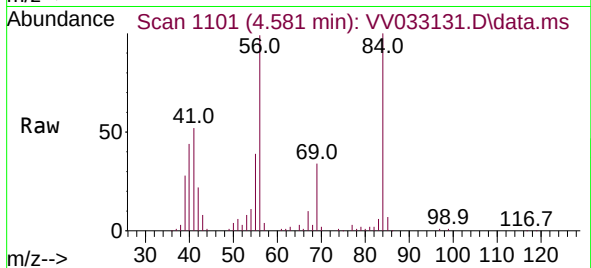
Tgt Ion: 56 Resp: 131977

Ion Ratio Lower Upper

56 100

69 35.7 26.9 40.3

84 105.4 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 49.702 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

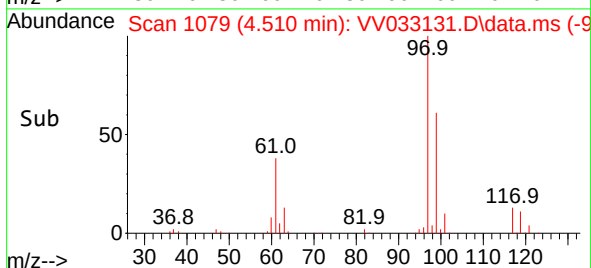
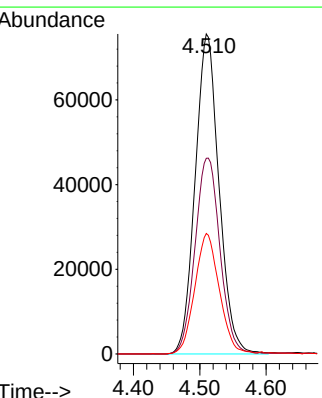
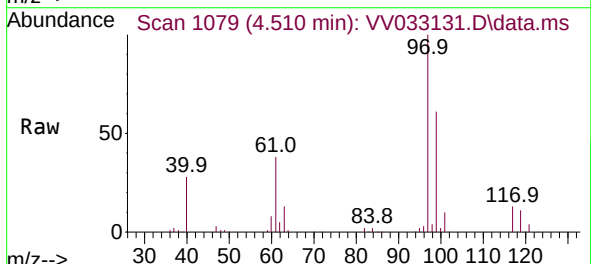
Tgt Ion: 97 Resp: 188985

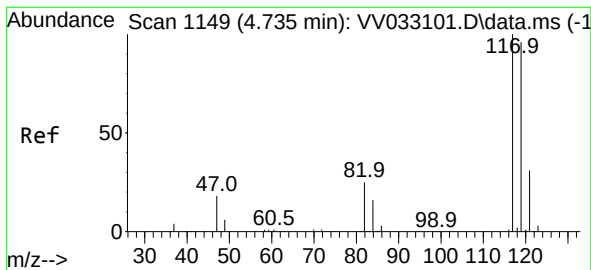
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

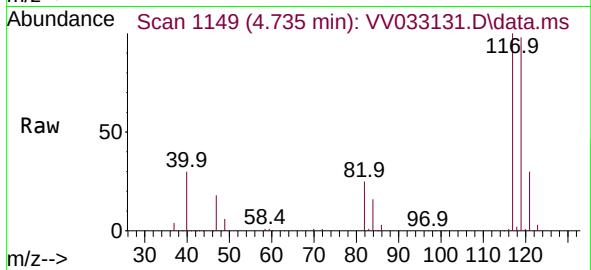
61 38.6 31.8 47.8



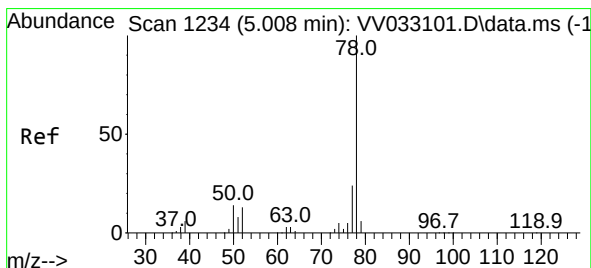
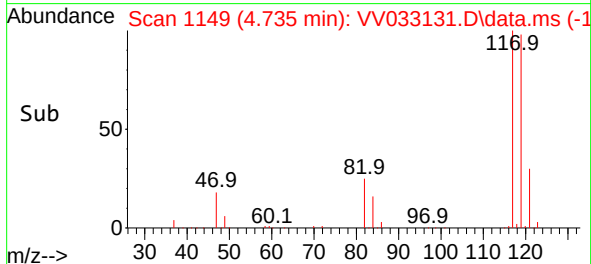
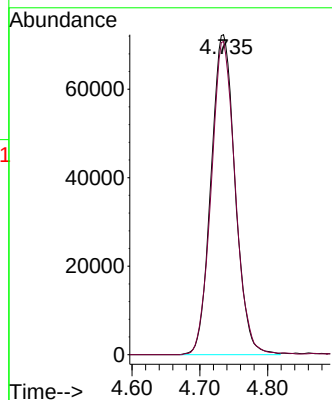


#31  
Carbon tetrachloride  
Concen: 50.521 ug/L  
RT: 4.735 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Instrument :  
MSVOA\_V  
ClientSampleId :

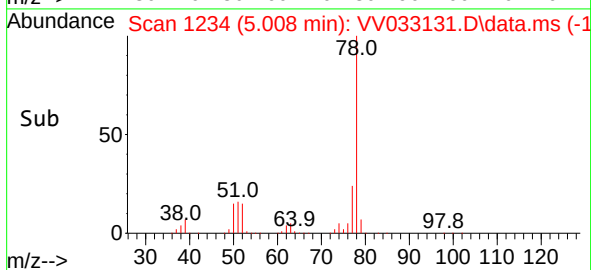
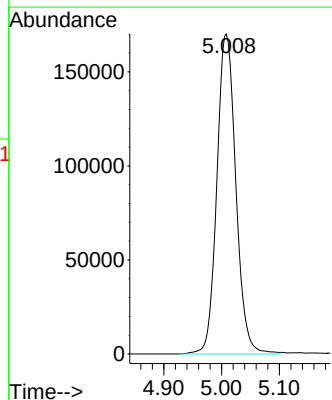
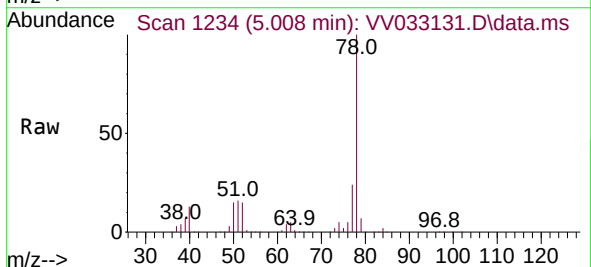


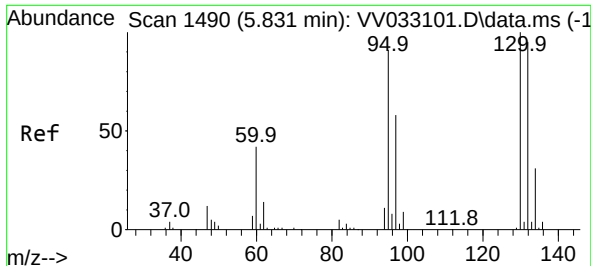
Tgt Ion:117 Resp: 178616  
Ion Ratio Lower Upper  
117 100  
119 97.4 77.5 116.3



#33  
Benzene  
Concen: 49.852 ug/L  
RT: 5.008 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 78 Resp: 388668

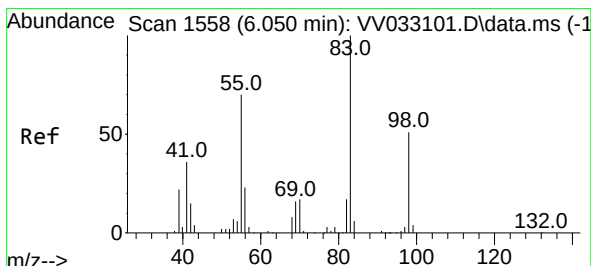
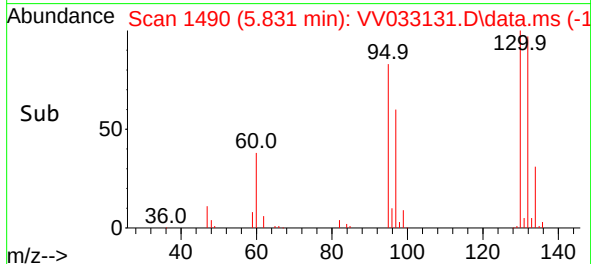
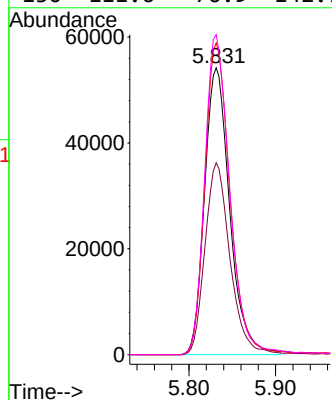
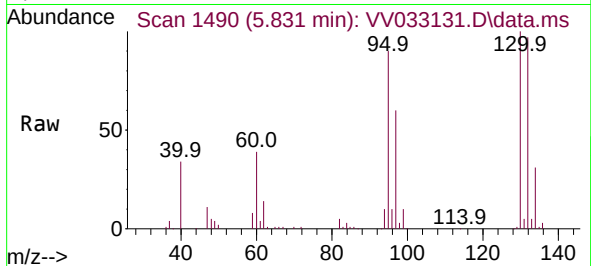




#34  
Trichloroethene  
Concen: 47.126 ug/L  
RT: 5.831 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

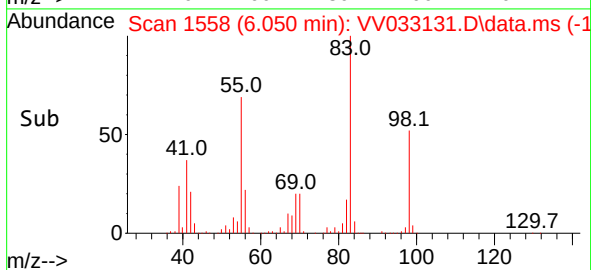
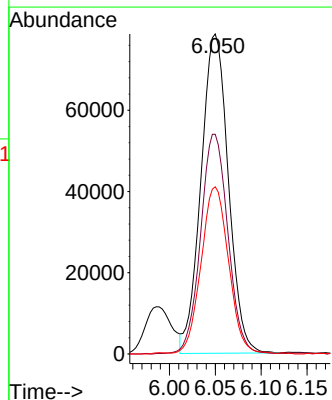
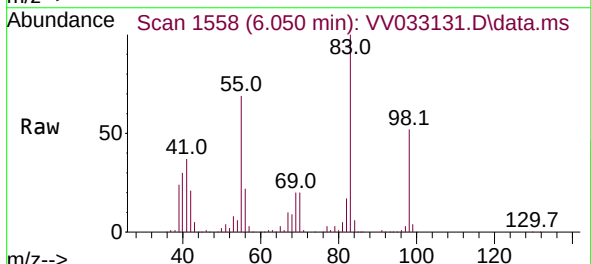
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 109767  
Ion Ratio Lower Upper  
95 100  
97 66.9 45.8 85.0  
132 108.7 77.4 143.8  
130 111.6 76.9 142.7

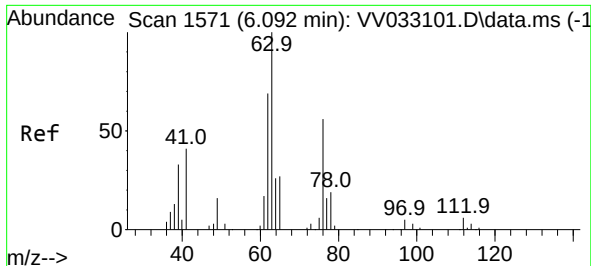


#35  
Methylcyclohexane  
Concen: 48.294 ug/L  
RT: 6.050 min Scan# 1558  
Delta R.T. 0.003 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 83 Resp: 163259  
Ion Ratio Lower Upper  
83 100  
55 68.9 54.8 82.2  
98 52.8 41.4 62.0



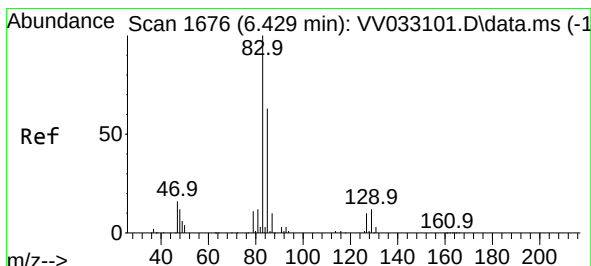
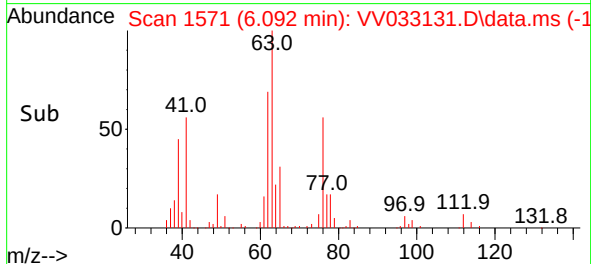
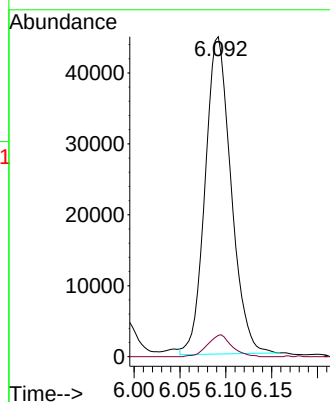
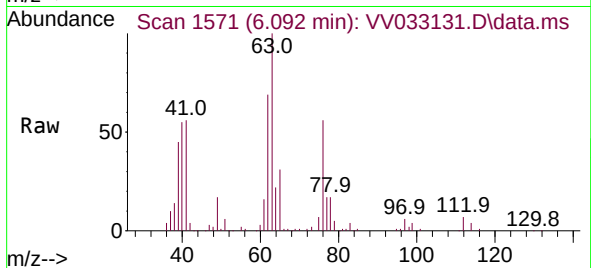




#37  
1,2-Dichloropropane  
Concen: 48.800 ug/L  
RT: 6.092 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

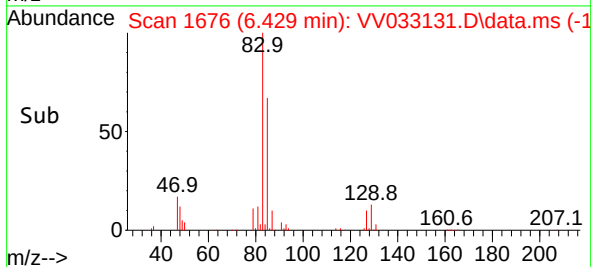
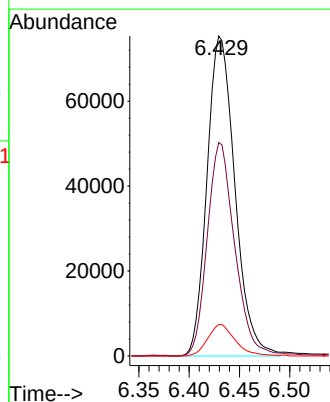
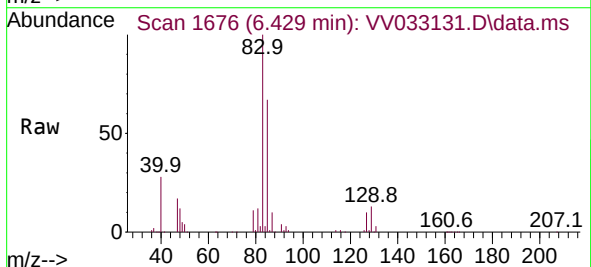
Instrument :  
MSVOA\_V  
ClientSampleId :

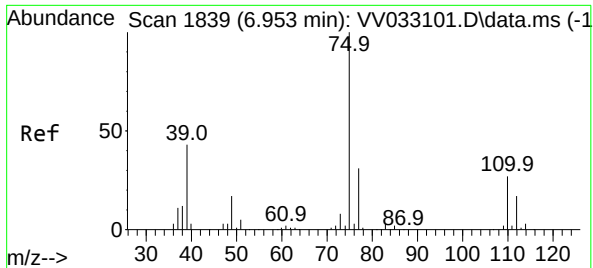
Tgt Ion: 63 Resp: 88053  
Ion Ratio Lower Upper  
63 100  
112 6.4 4.6 6.8



#38  
Bromodichloromethane  
Concen: 50.020 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 83 Resp: 145503  
Ion Ratio Lower Upper  
83 100  
85 66.7 45.6 84.6  
127 9.8 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 46.096 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

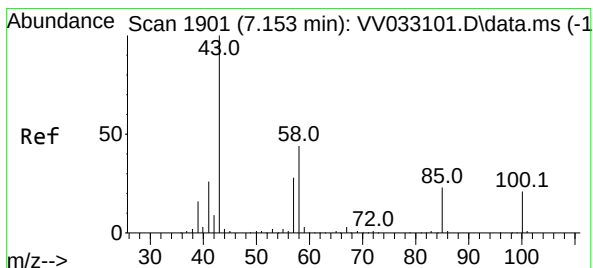
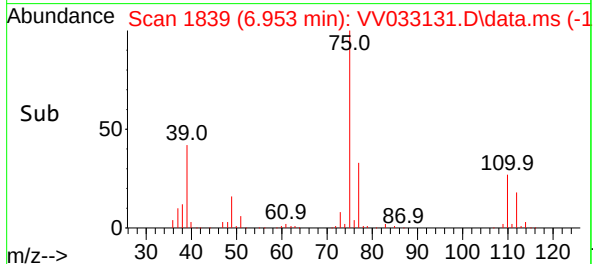
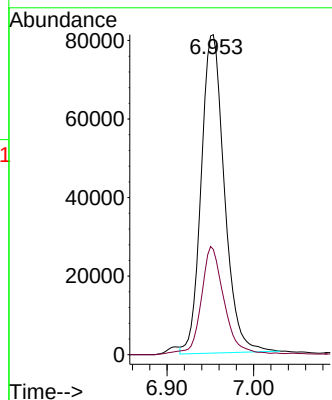
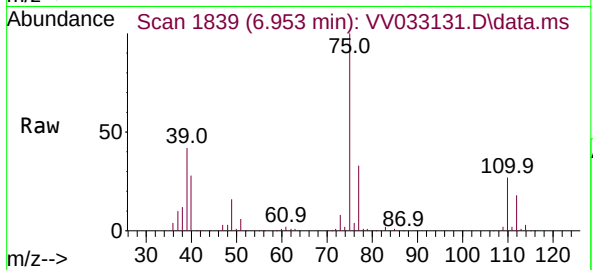
ClientSampleId :

Tgt Ion: 75 Resp: 150925

Ion Ratio Lower Upper

75 100

77 32.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 94.021 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

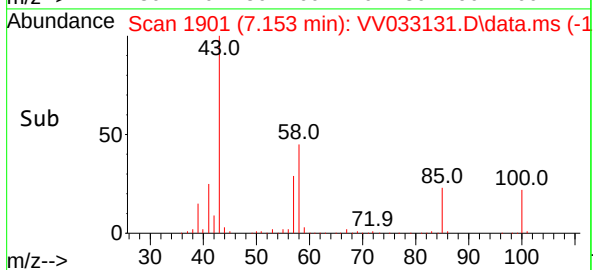
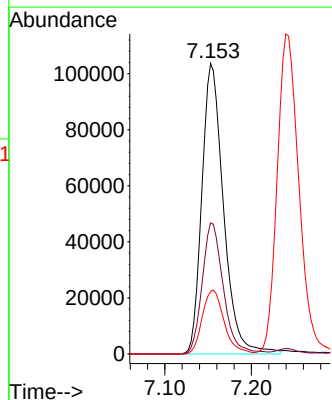
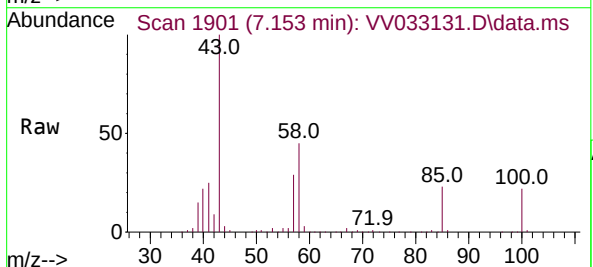
Tgt Ion: 43 Resp: 180126

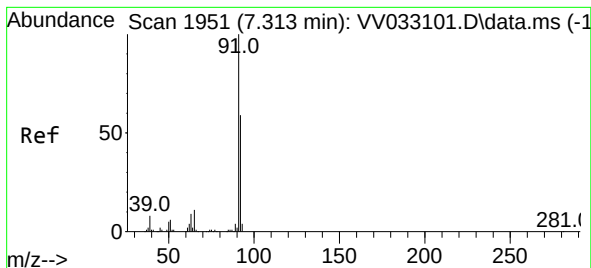
Ion Ratio Lower Upper

43 100

58 44.0 34.5 51.7

100 22.1 17.0 25.6





#42

Toluene

Concen: 51.328 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

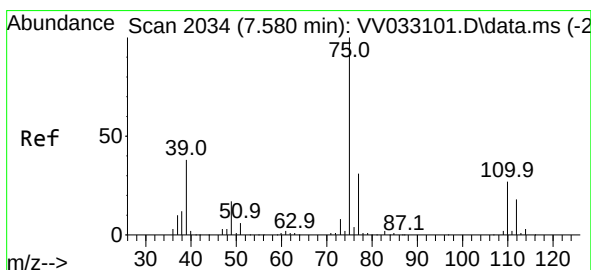
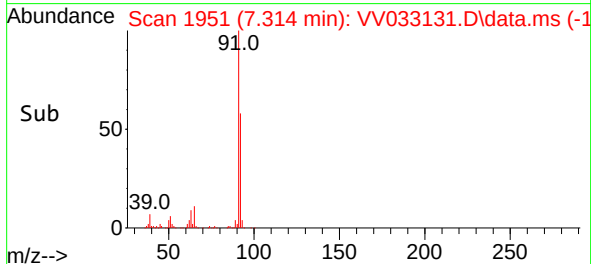
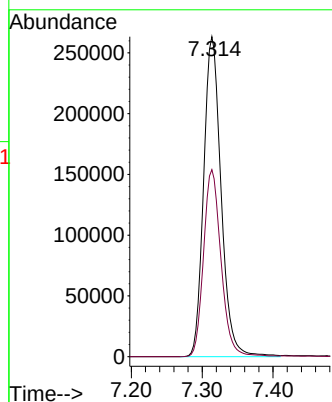
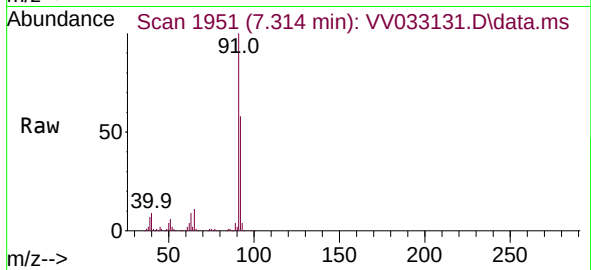
ClientSampleId :

Tgt Ion: 91 Resp: 450943

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 47.936 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV033131.D

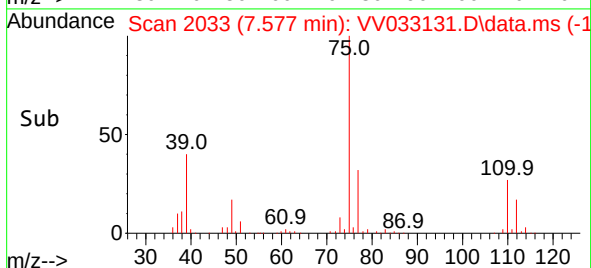
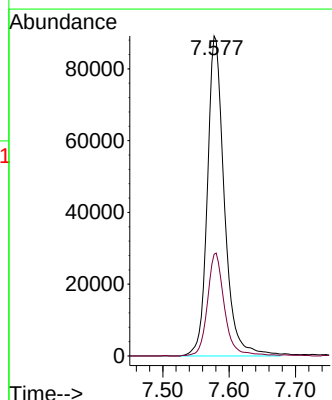
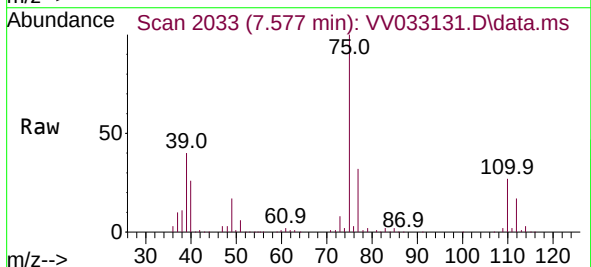
Acq: 07 Dec 2023 08:52

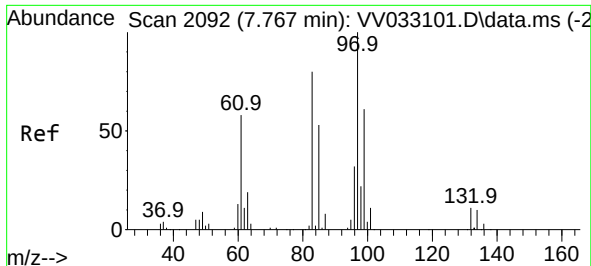
Tgt Ion: 75 Resp: 158704

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



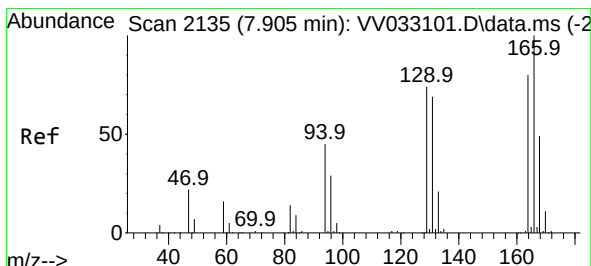
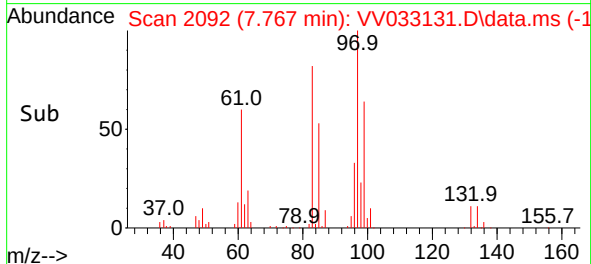
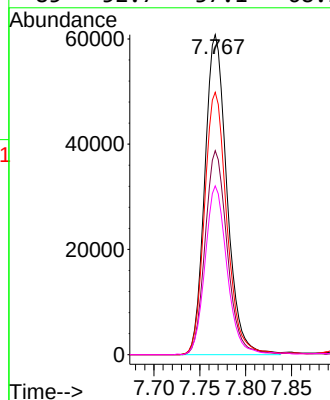
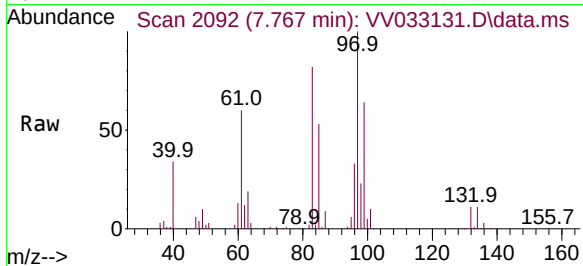


#45  
1,1,2-Trichloroethane  
Concen: 48.861 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 102223

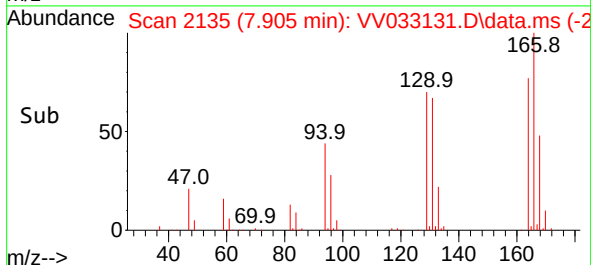
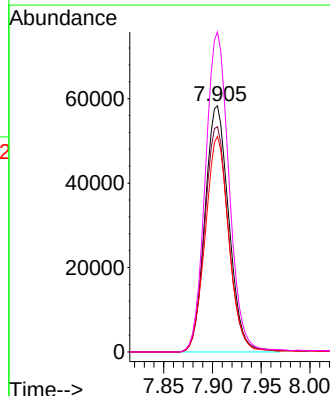
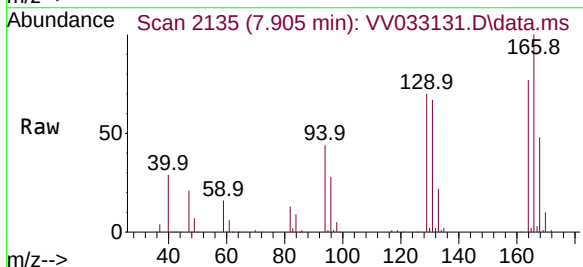
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.8  | 43.2  | 80.2  |
| 83  | 82.0  | 55.8  | 103.6 |
| 85  | 52.7  | 37.1  | 68.9  |

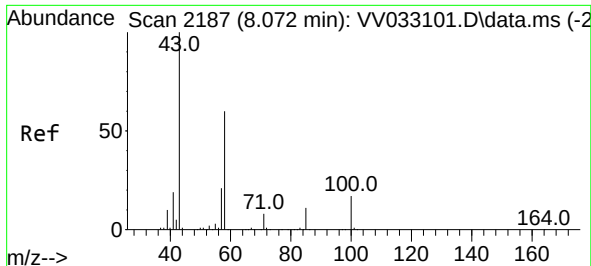


#46  
Tetrachloroethene  
Concen: 49.760 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 164 Resp: 99633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.5  | 65.6  | 121.8 |
| 131 | 87.6  | 64.7  | 120.1 |
| 166 | 130.0 | 89.4  | 166.0 |

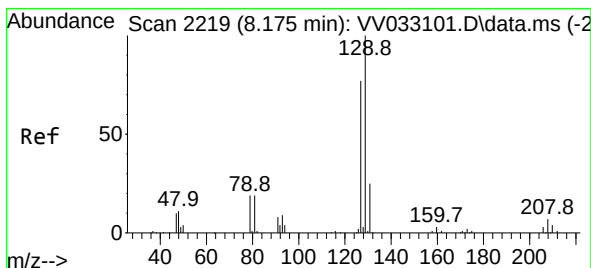
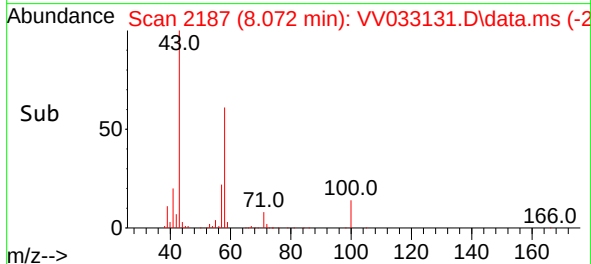
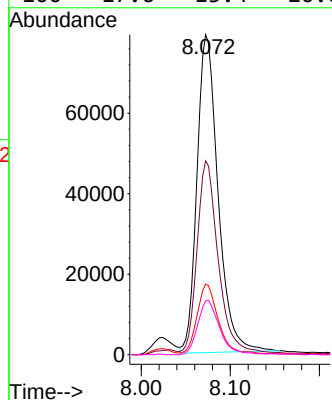
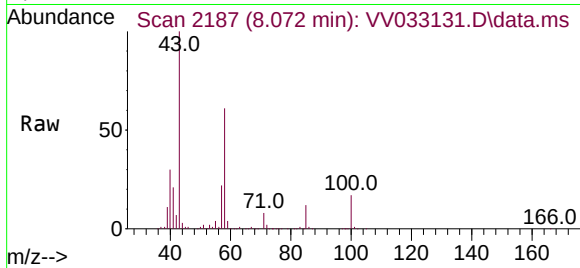




#48  
2-Hexanone  
Concen: 82.070 ug/L  
RT: 8.072 min Scan# 2187  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

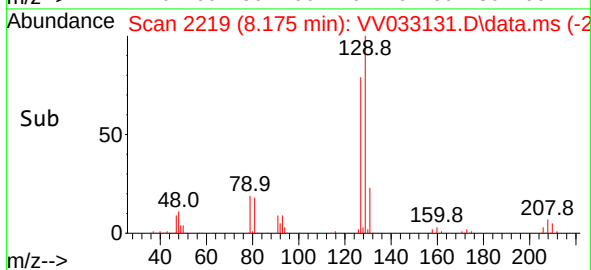
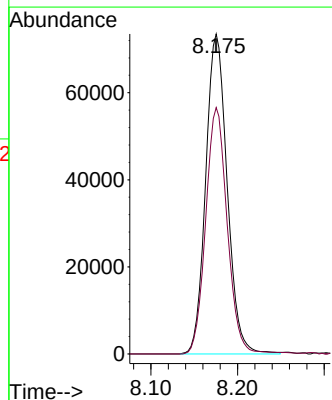
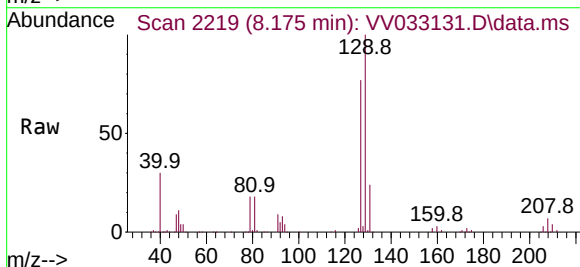
Instrument :  
MSVOA\_V  
ClientSampleId :

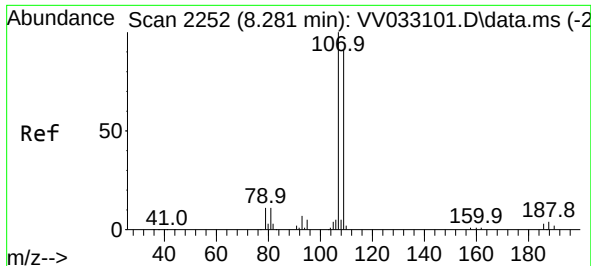
Tgt Ion: 43 Resp: 130359  
Ion Ratio Lower Upper  
43 100  
58 61.0 47.9 71.9  
57 21.0 17.4 26.0  
100 17.6 13.4 20.0



#49  
Dibromochloromethane  
Concen: 50.653 ug/L  
RT: 8.175 min Scan# 2219  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 129 Resp: 126504  
Ion Ratio Lower Upper  
129 100  
127 77.0 54.1 100.5





#50

1,2-Dibromoethane

Concen: 50.306 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

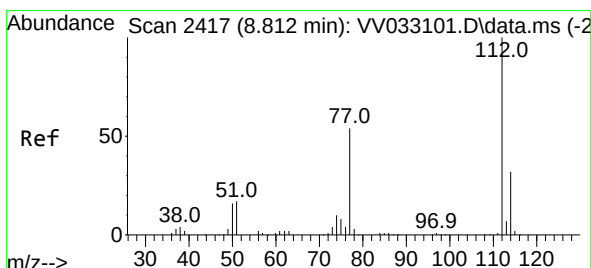
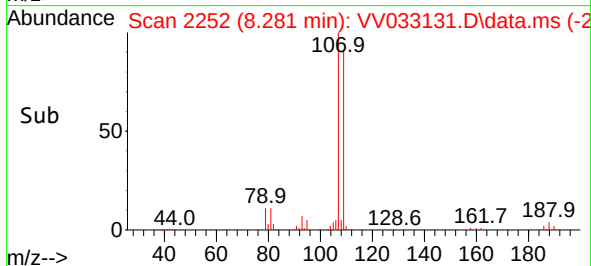
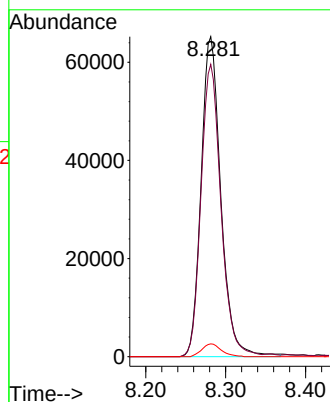
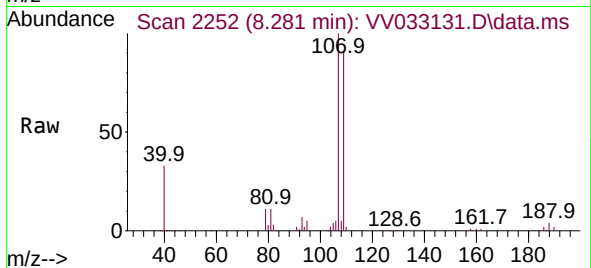
Tgt Ion:107 Resp: 112206

Ion Ratio Lower Upper

107 100

109 91.3 65.2 121.2

188 4.0 3.8 5.6



#51

Chlorobenzene

Concen: 49.589 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

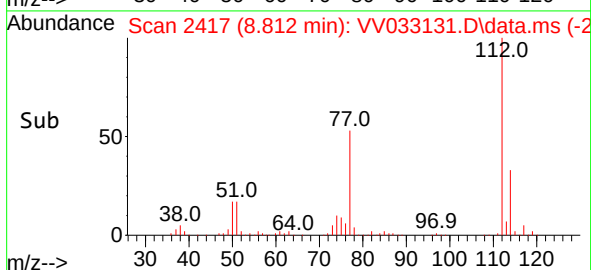
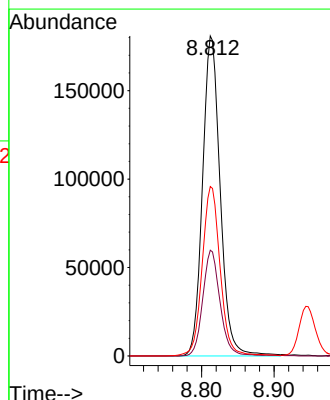
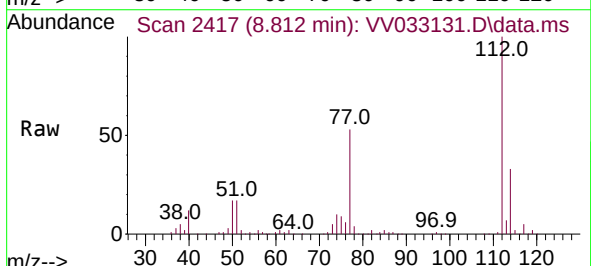
Tgt Ion:112 Resp: 306372

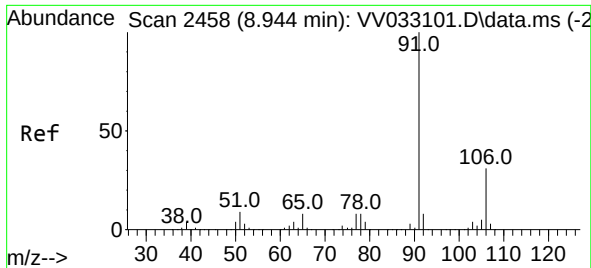
Ion Ratio Lower Upper

112 100

114 33.0 22.9 42.5

77 53.0 42.6 64.0

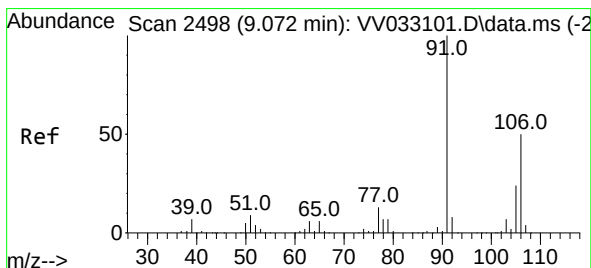
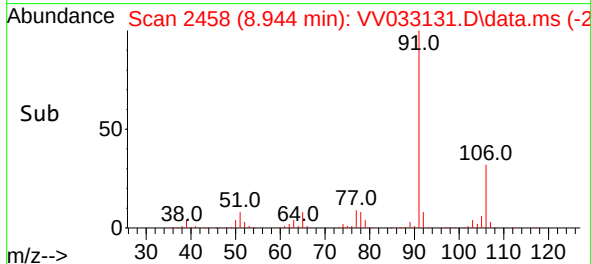
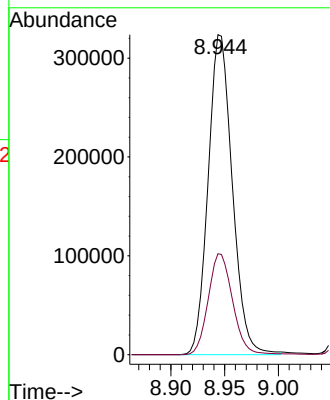
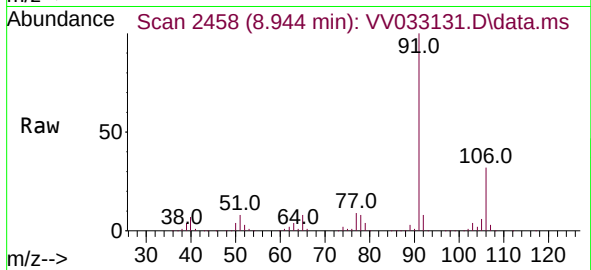




#52  
Ethylbenzene  
Concen: 50.043 ug/L  
RT: 8.944 min Scan# 2458  
Delta R.T. -0.003 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

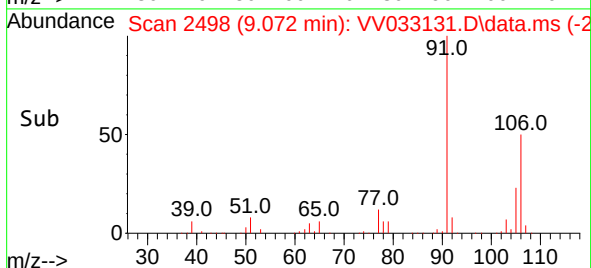
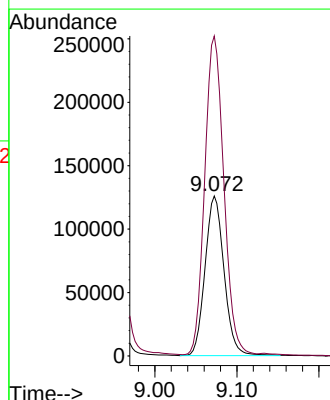
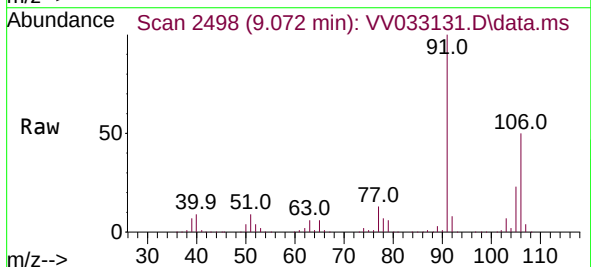
Instrument :  
MSVOA\_V  
ClientSampleId :

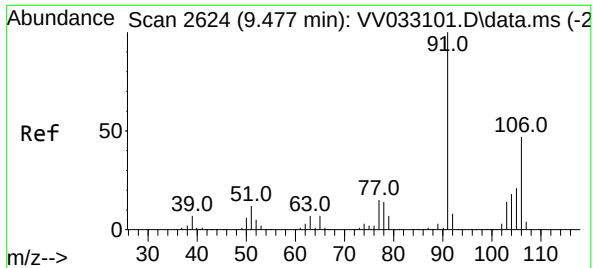
Tgt Ion: 91 Resp: 506062  
Ion Ratio Lower Upper  
91 100  
106 31.5 22.6 42.0



#53  
m,p-Xylene  
Concen: 50.510 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion:106 Resp: 202278  
Ion Ratio Lower Upper  
106 100  
91 199.9 145.2 269.6

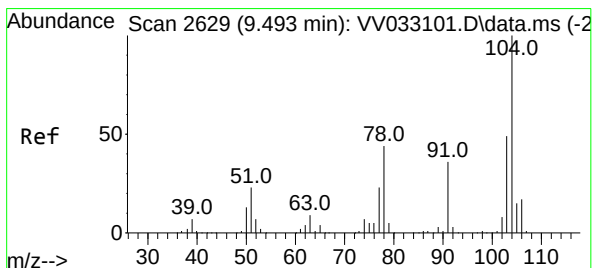
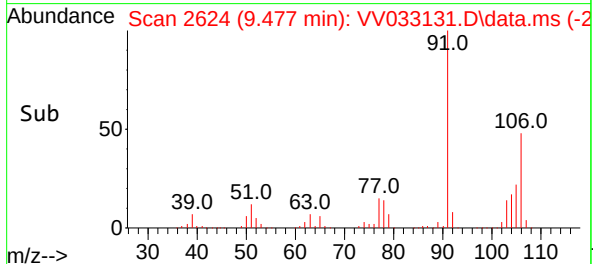
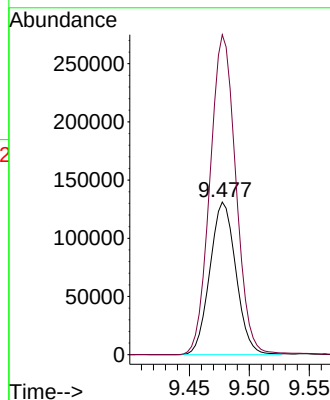
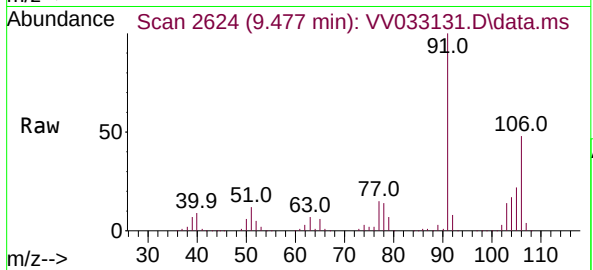




#54  
o-Xylene  
Concen: 50.089 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

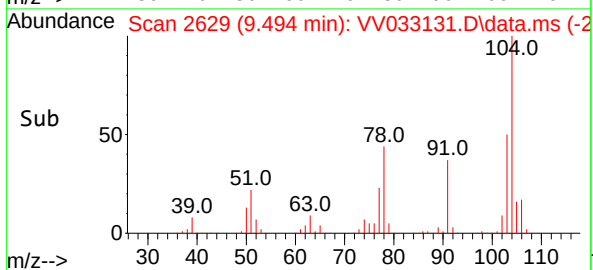
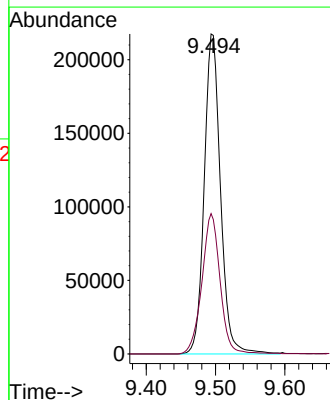
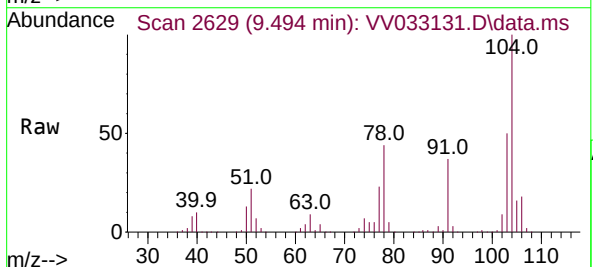
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 197940  
Ion Ratio Lower Upper  
106 100  
91 209.7 147.8 274.6

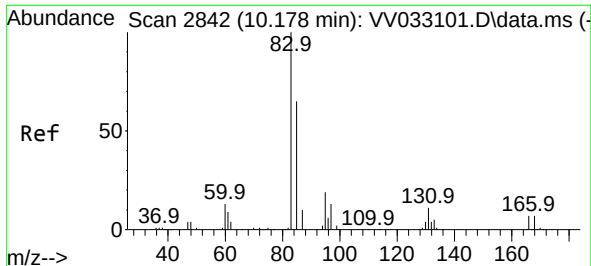


#55  
Styrene  
Concen: 51.937 ug/L  
RT: 9.494 min Scan# 2629  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion:104 Resp: 355057  
Ion Ratio Lower Upper  
104 100  
78 43.8 30.2 56.0







#57

1,1,2,2-Tetrachloroethane

Concen: 49.377 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

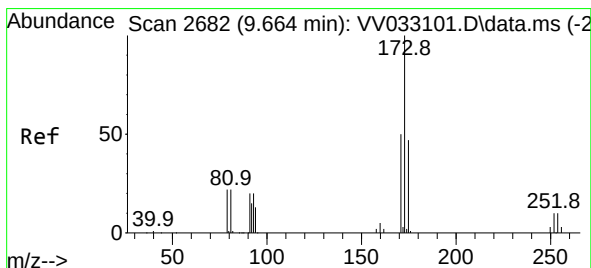
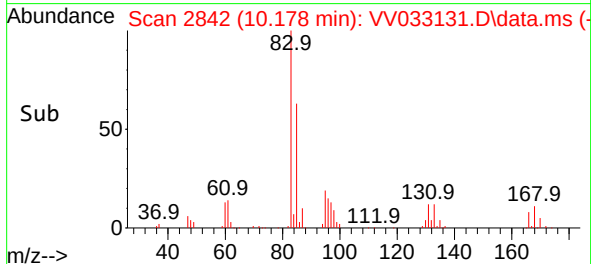
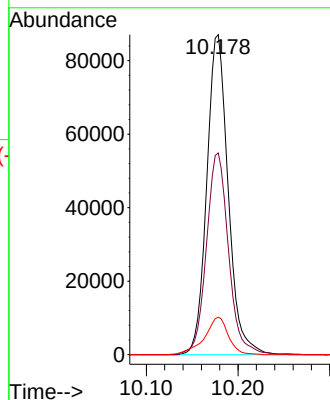
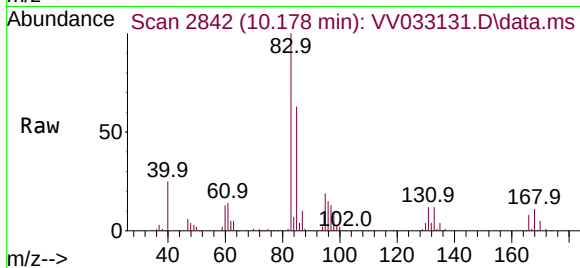
Tgt Ion: 83 Resp: 141137

Ion Ratio Lower Upper

83 100

85 63.0 45.5 84.5

131 11.7 9.7 14.5



#59

Bromoform

Concen: 48.417 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

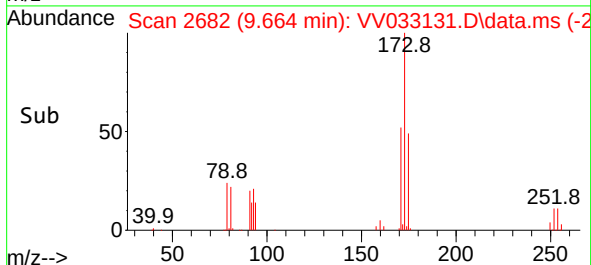
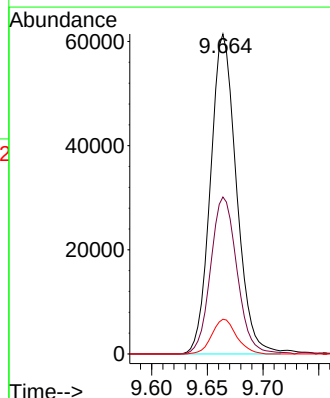
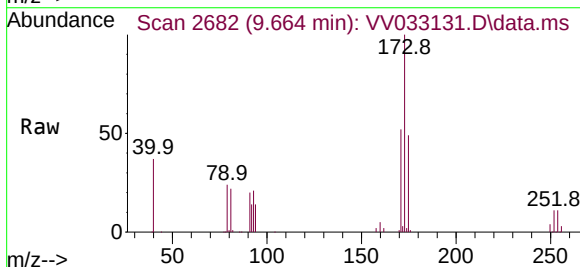
Tgt Ion: 173 Resp: 99662

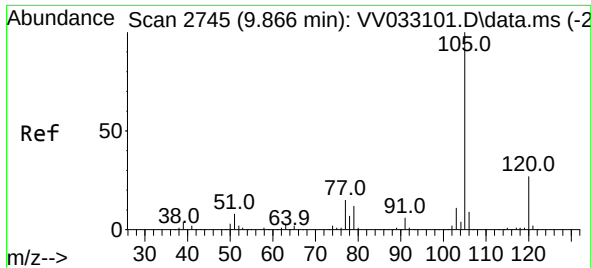
Ion Ratio Lower Upper

173 100

175 49.9 38.7 58.1

254 10.3 8.0 12.0

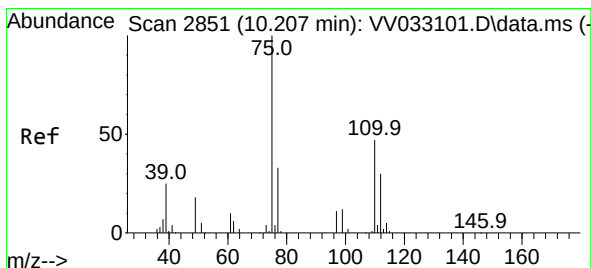
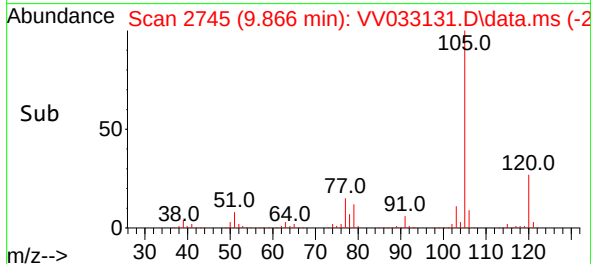
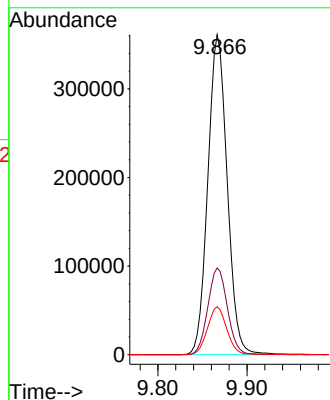
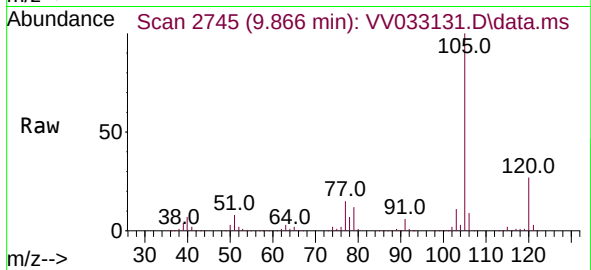




#60  
Isopropylbenzene  
Concen: 49.804 ug/L  
RT: 9.866 min Scan# 2745  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

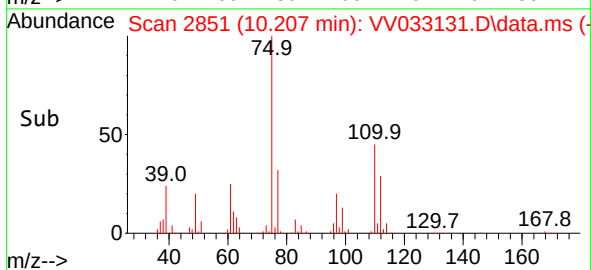
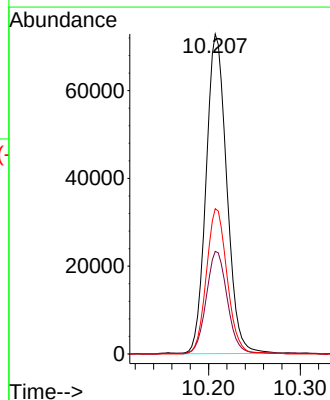
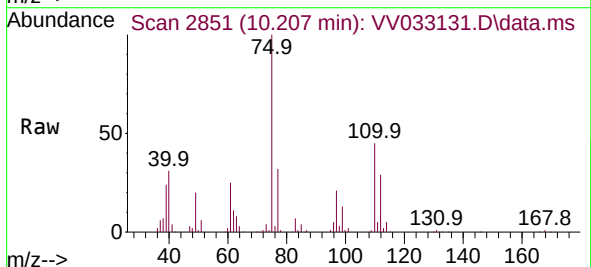
Instrument :  
MSVOA\_V  
ClientSampleId :

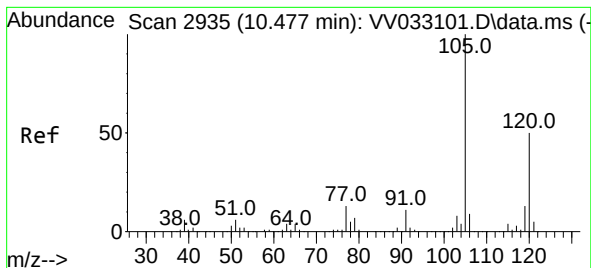
Tgt Ion:105 Resp: 544638  
Ion Ratio Lower Upper  
105 100  
120 27.4 21.3 31.9  
77 14.9 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 48.253 ug/L  
RT: 10.207 min Scan# 2851  
Delta R.T. 0.000 min  
Lab File: VV033131.D  
Acq: 07 Dec 2023 08:52

Tgt Ion: 75 Resp: 114116  
Ion Ratio Lower Upper  
75 100  
77 32.0 27.0 40.6  
110 45.7 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 49.716 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

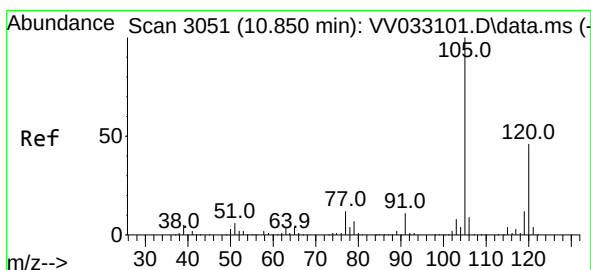
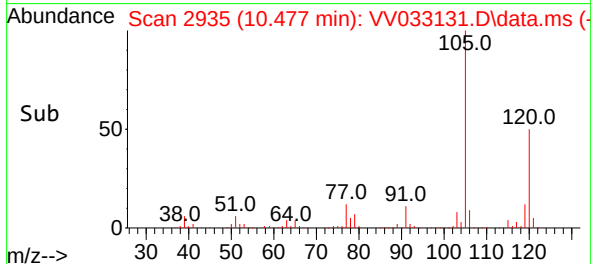
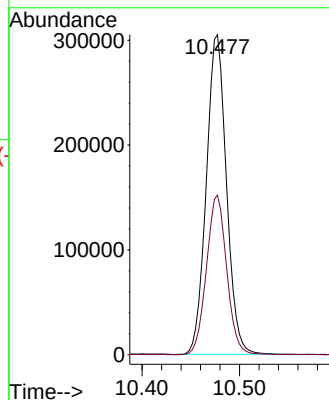
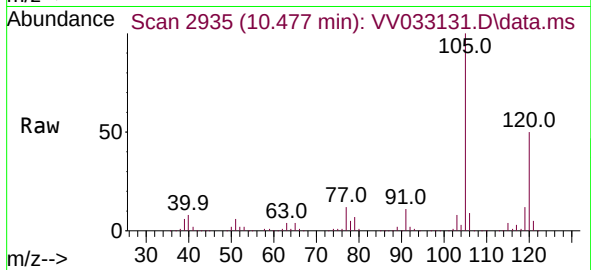
ClientSampleId :

Tgt Ion:105 Resp: 438029

Ion Ratio Lower Upper

105 100

120 50.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 50.042 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033131.D

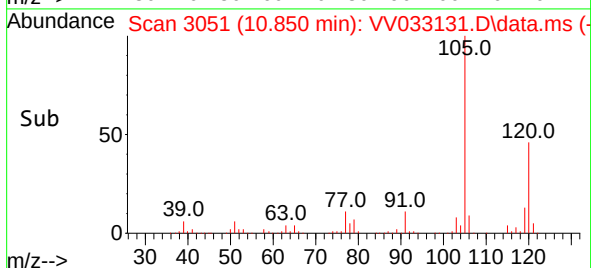
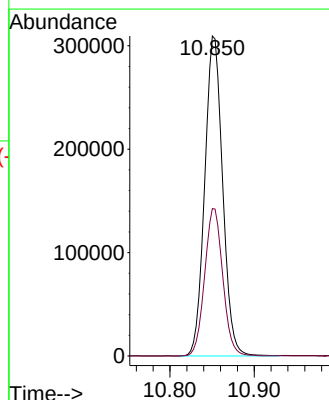
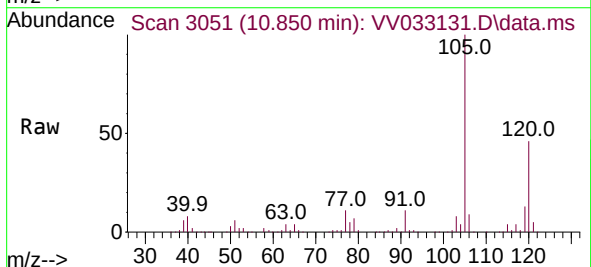
Acq: 07 Dec 2023 08:52

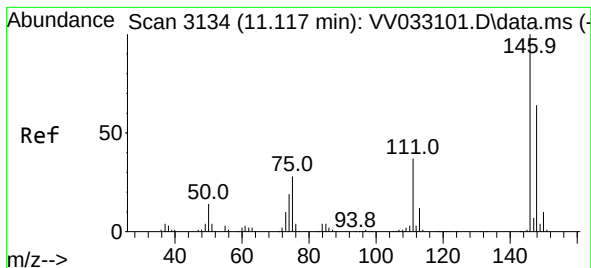
Tgt Ion:105 Resp: 459175

Ion Ratio Lower Upper

105 100

120 46.6 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 48.521 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

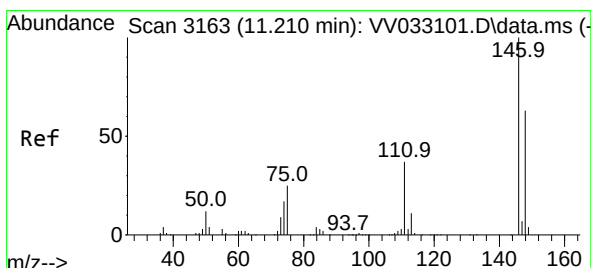
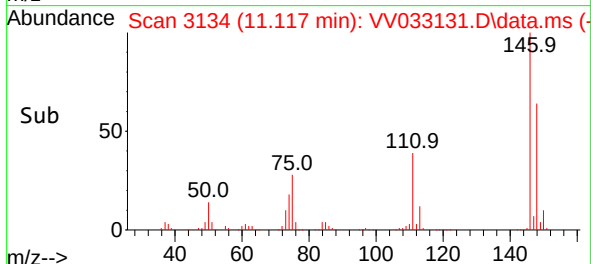
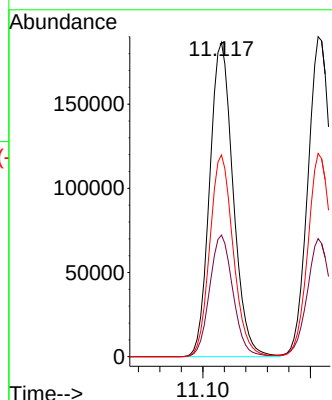
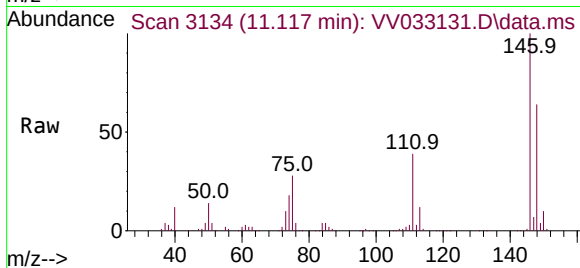
Tgt Ion:146 Resp: 283476

Ion Ratio Lower Upper

146 100

111 38.7 26.2 48.6

148 64.2 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 48.433 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

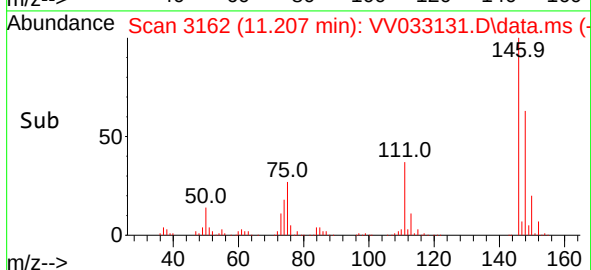
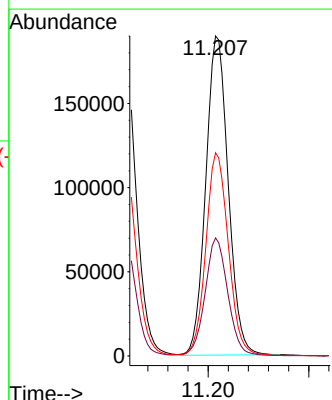
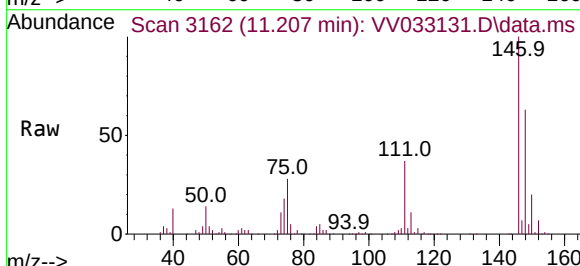
Tgt Ion:146 Resp: 293928

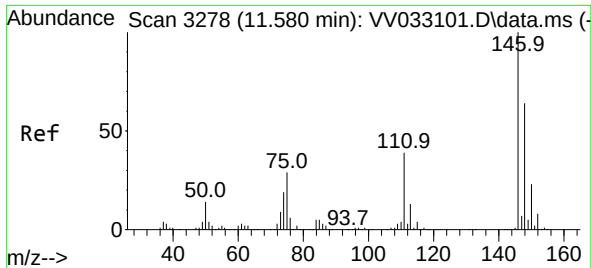
Ion Ratio Lower Upper

146 100

111 36.9 25.9 48.1

148 63.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 49.356 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

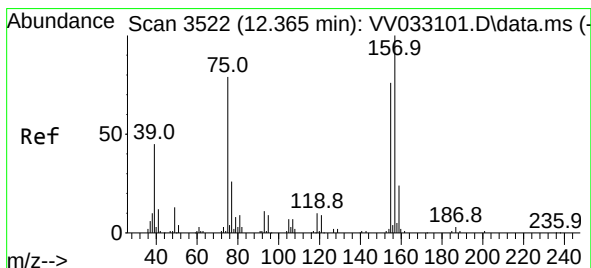
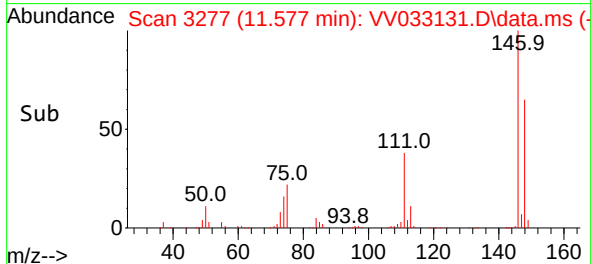
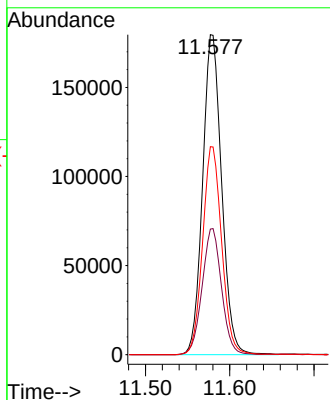
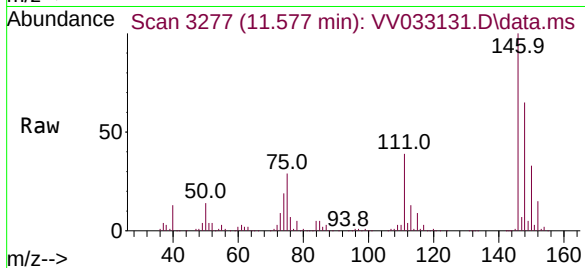
Tgt Ion:146 Resp: 282690

Ion Ratio Lower Upper

146 100

111 39.3 32.4 48.6

148 65.0 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 45.530 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

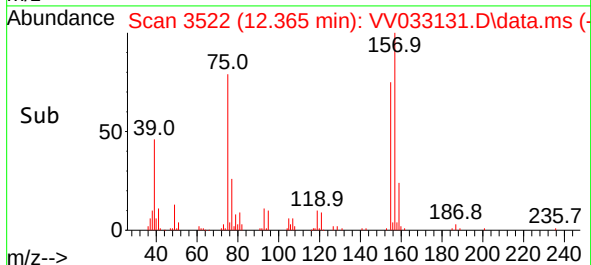
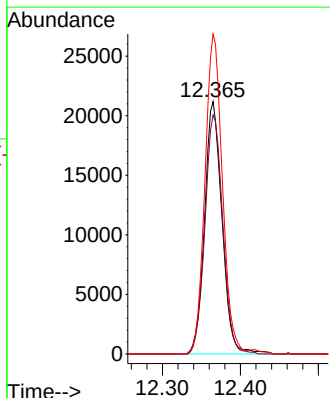
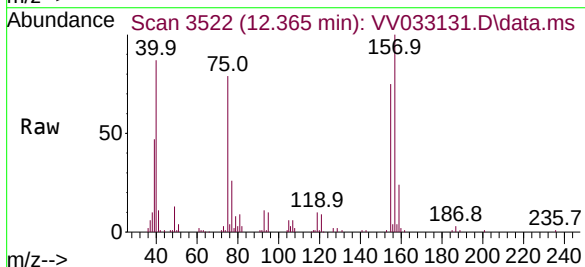
Tgt Ion: 75 Resp: 33039

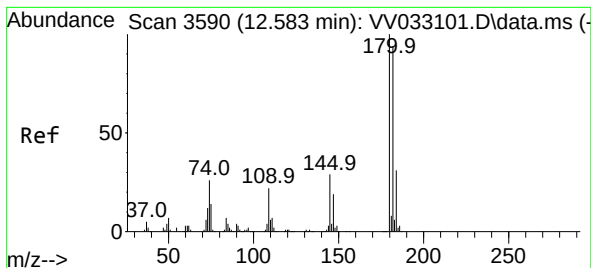
Ion Ratio Lower Upper

75 100

155 94.7 75.8 113.6

157 126.9 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 47.290 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:180 Resp: 221306

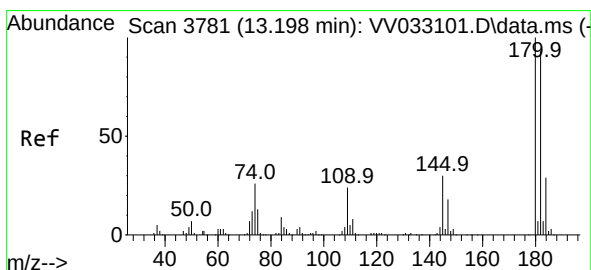
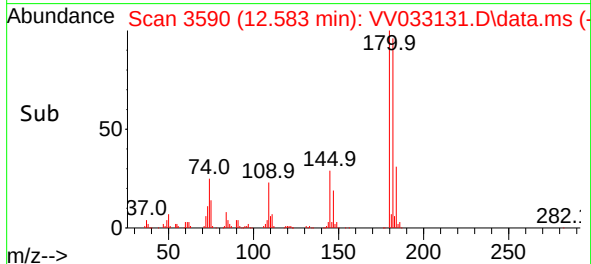
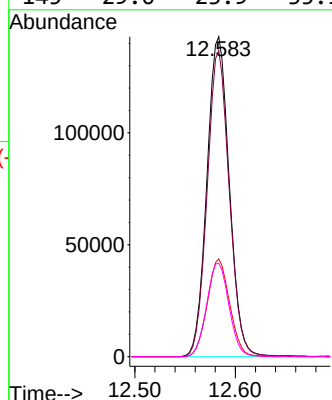
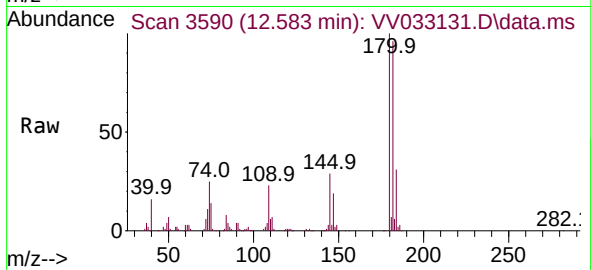
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

184 30.5 24.2 36.4

145 29.0 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 45.886 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

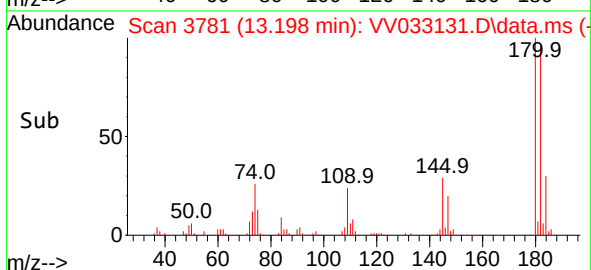
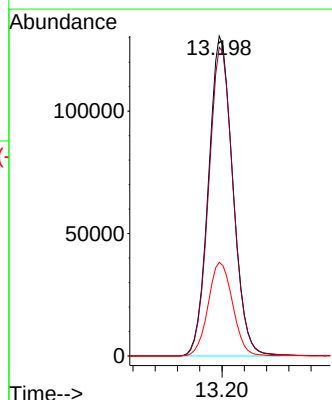
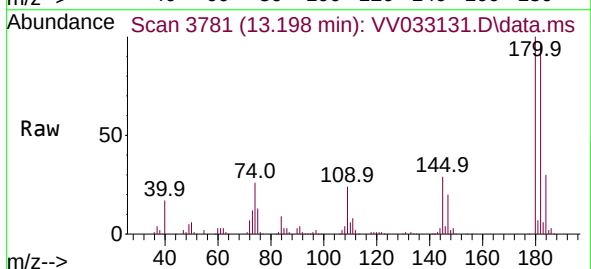
Tgt Ion:180 Resp: 198389

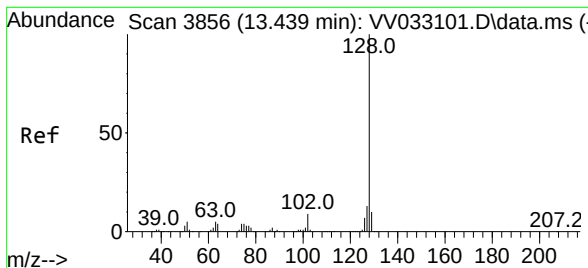
Ion Ratio Lower Upper

180 100

182 97.2 76.3 114.5

145 29.5 23.4 35.0





#71

Naphthalene

Concen: 45.151 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Instrument :

MSVOA\_V

ClientSampleId :

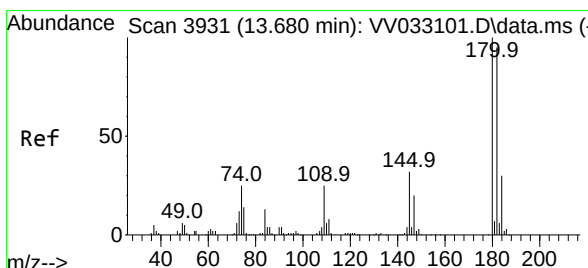
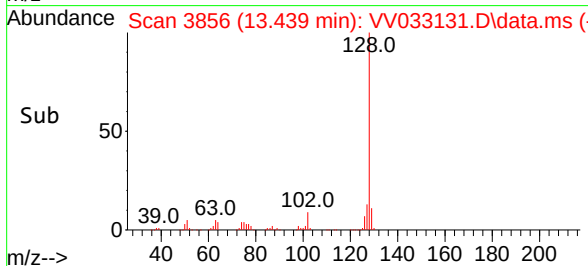
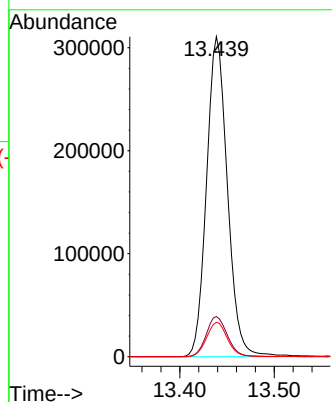
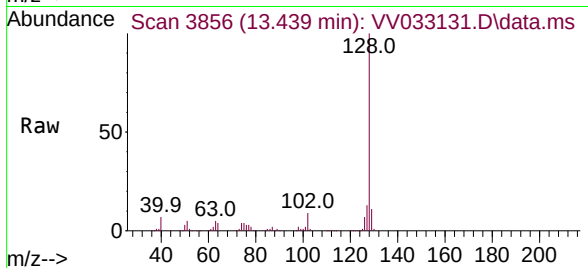
Tgt Ion:128 Resp: 476073

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.892 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033131.D

Acq: 07 Dec 2023 08:52

Tgt Ion:180 Resp: 203973

Ion Ratio Lower Upper

180 100

182 95.1 75.2 112.8

145 31.0 24.9 37.3

