

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032024\  
 Data File : VV034768.D  
 Acq On : 20 Mar 2024 17:19  
 Operator : SY/MD  
 Sample : P1755-17  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCKZ0

Quant Time: Mar 21 02:21:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 21 02:16:15 2024  
 Response via : Initial Calibration

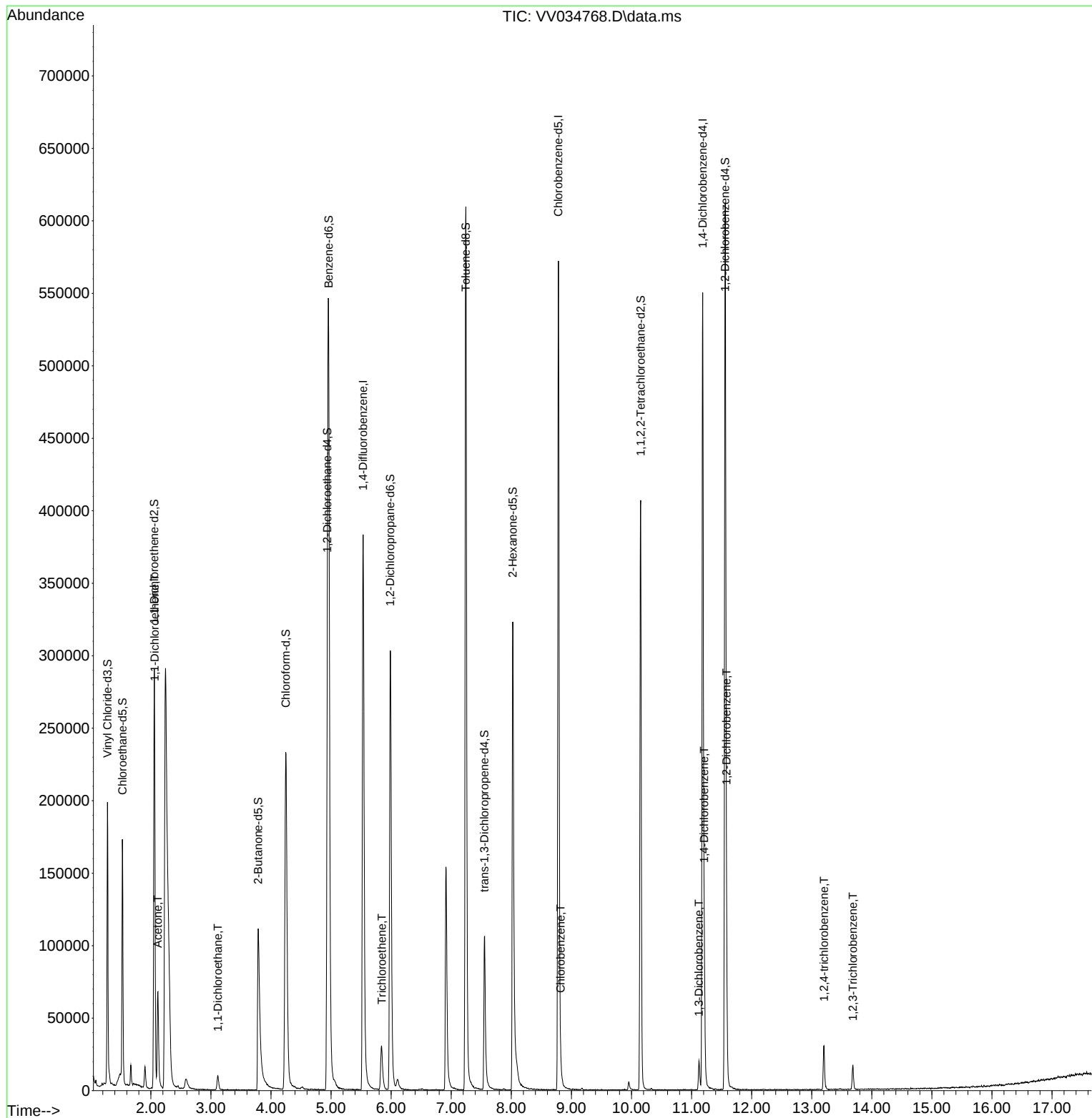
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 332777   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 309759   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 138638   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 119434   | 41.401   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.800%  |
| 7) Chloroethane-d5            | 1.526   | 69    | 105338   | 46.869   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.740%  |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65    | 48493    | 37.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 74.340%  |
| 21) 2-Butanone-d5             | 3.786   | 46    | 188250   | 97.579   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.580%  |
| 24) Chloroform-d              | 4.246   | 84    | 247183   | 48.461   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.920%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 169804   | 50.944   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.880% |
| 32) Benzene-d6                | 4.960   | 84    | 477766   | 51.106   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.220% |
| 36) 1,2-Dichloropropane-d6    | 5.986   | 67    | 145933   | 51.150   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.300% |
| 41) Toluene-d8                | 7.243   | 98    | 407959   | 48.222   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.440%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 65464    | 45.693   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.380%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 111741   | 78.433   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 78.430%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153  | 84    | 193410   | 51.514   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 103.020% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 148270   | 52.322   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.640% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.063   | 96    | 3666     | 1.471    | ug/L   | # 1      |
| 13) Acetone                   | 2.114   | 43    | 72876    | 31.423   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114   | 63    | 9727     | 2.059    | ug/L   | 95       |
| 34) Trichloroethene           | 5.844   | 95    | 9808     | 3.589    | ug/L   | 94       |
| 51) Chlorobenzene             | 8.818   | 112   | 7057     | 1.073    | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.124  | 146   | 8740     | 1.928    | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 11.210  | 146   | 37930    | 8.239    | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580  | 146   | 36331    | 7.998    | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.204  | 180   | 9575     | 3.129    | ug/L   | 96       |
| 72) 1,2,3-Trichlorobenzene    | 13.686  | 180   | 5641     | 1.890    | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

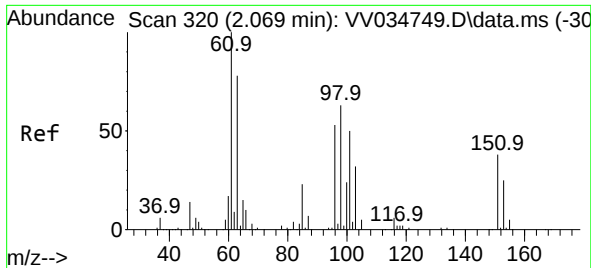
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Mar 21 02:16:15 2024  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.471 ug/L

RT: 2.063 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA\_V

ClientSampleId :

YCKZ0

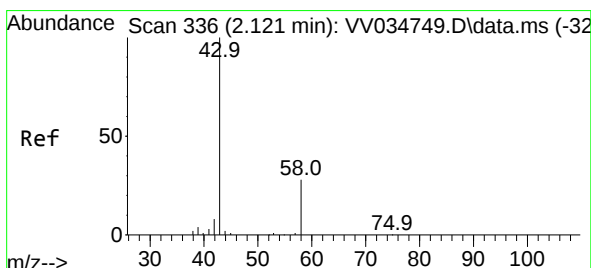
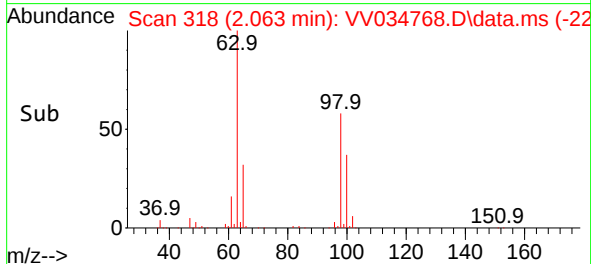
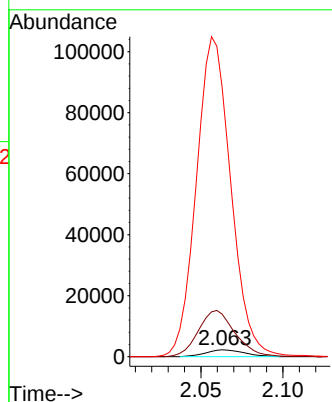
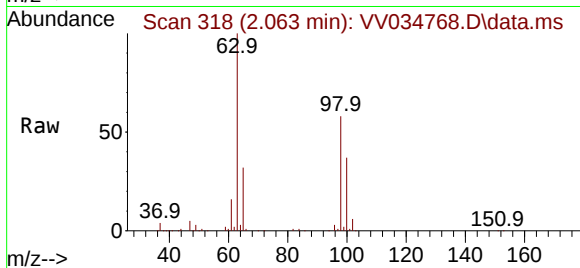
Tgt Ion: 96 Resp: 3666

Ion Ratio Lower Upper

96 100

61 624.0 128.9 239.3#

63 3953.8 98.0 182.0#



#13

Acetone

Concen: 31.423 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.006 min

Lab File: VV034768.D

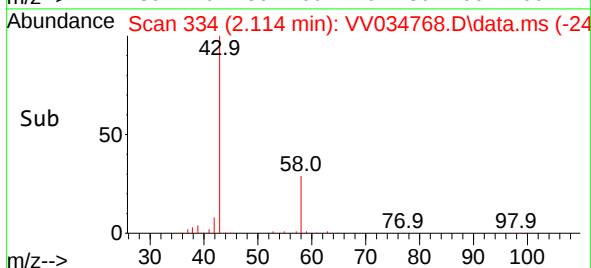
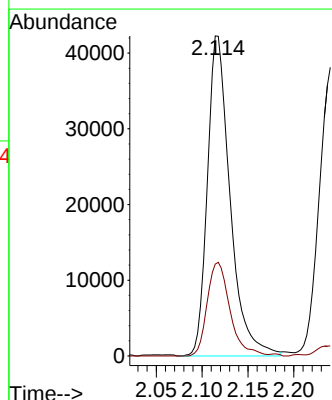
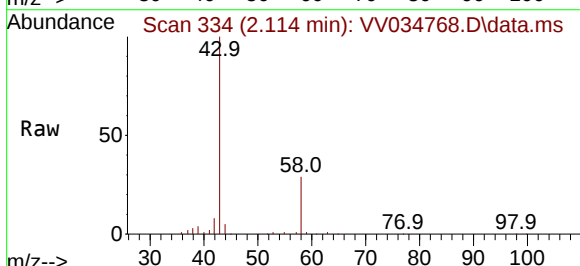
Acq: 20 Mar 2024 17:19

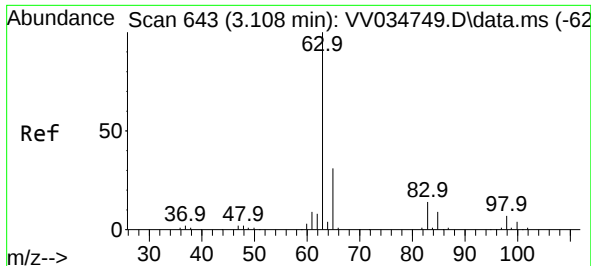
Tgt Ion: 43 Resp: 72876

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.2





#19

1,1-Dichloroethane

Concen: 2.059 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.007 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Instrument :

MSVOA\_V

ClientSampleId :

YCKZ0

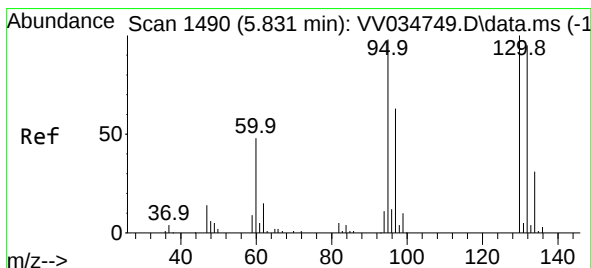
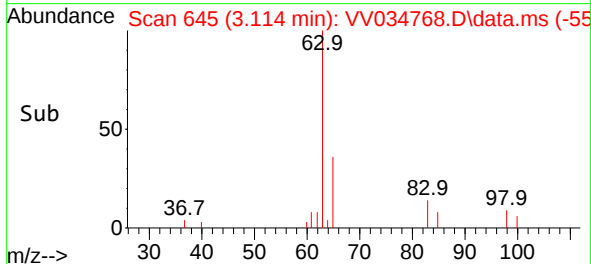
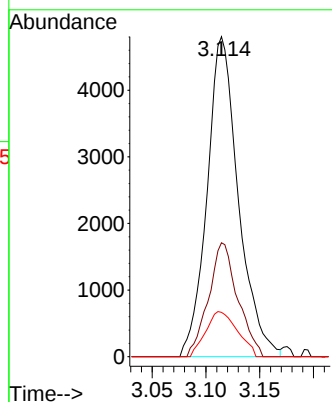
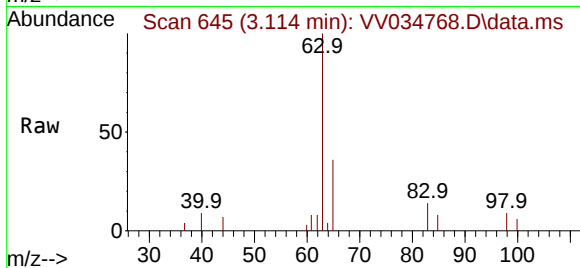
Tgt Ion: 63 Resp: 9727

Ion Ratio Lower Upper

63 100

65 35.6 22.1 41.1

83 13.8 9.9 18.3



#34

Trichloroethene

Concen: 3.589 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.013 min

Lab File: VV034768.D

Acq: 20 Mar 2024 17:19

Tgt Ion: 95 Resp: 9808

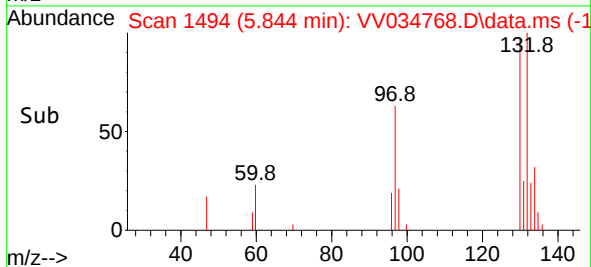
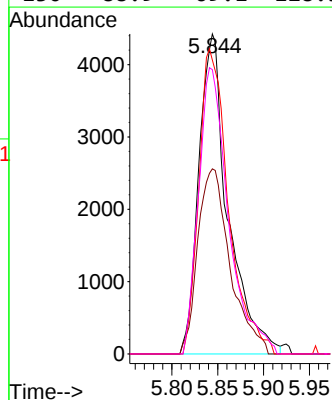
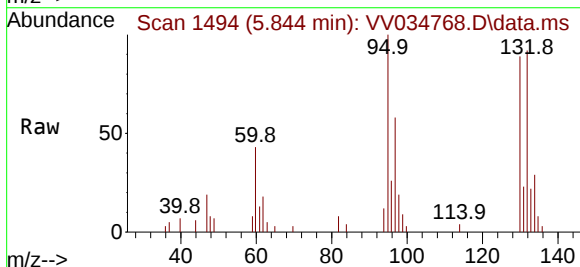
Ion Ratio Lower Upper

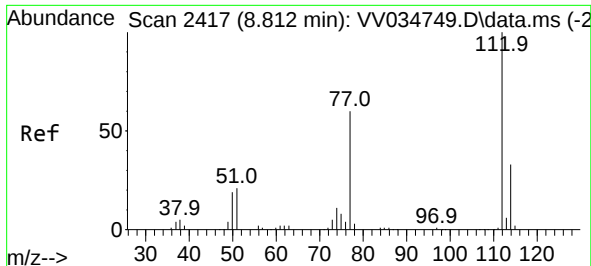
95 100

97 57.8 44.7 83.1

132 91.8 65.3 121.3

130 88.9 69.1 128.3

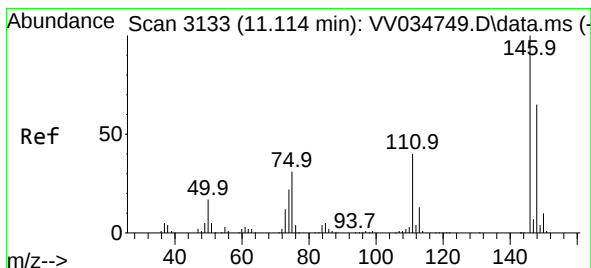
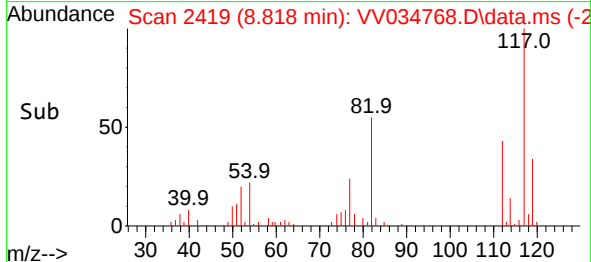
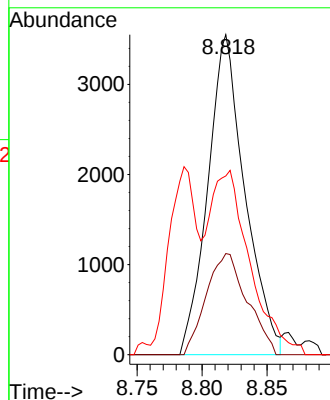
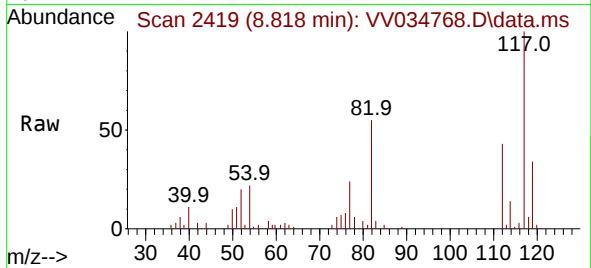




#51  
Chlorobenzene  
Concen: 1.073 ug/L  
RT: 8.818 min Scan# 2417  
Delta R.T. 0.007 min  
Lab File: VV034768.D  
Acq: 20 Mar 2024 17:19

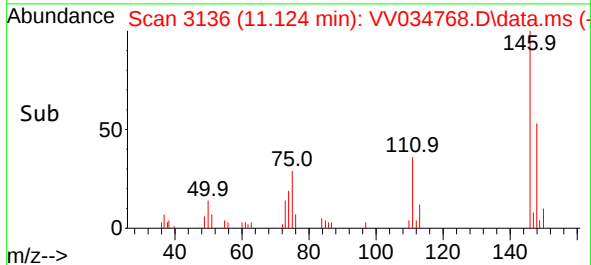
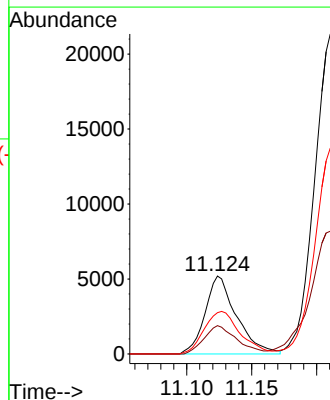
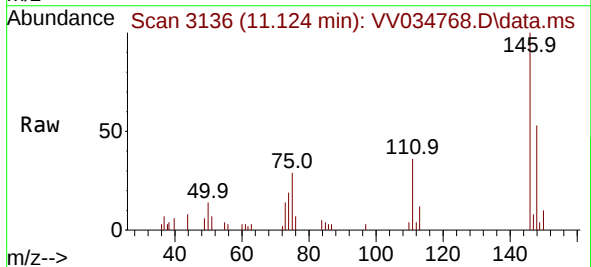
Instrument :  
MSVOA\_V  
ClientSampleId :  
YCKZ0

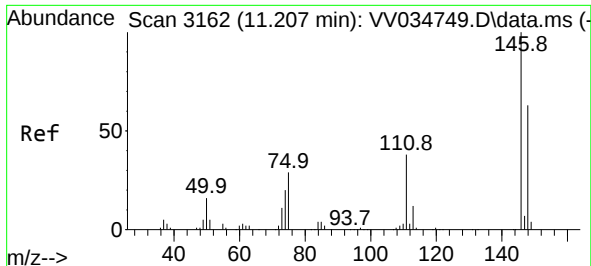
Tgt Ion:112 Resp: 7057  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.3 41.5  
77 55.8 47.7 71.5



#64  
1,3-Dichlorobenzene  
Concen: 1.928 ug/L  
RT: 11.124 min Scan# 3136  
Delta R.T. 0.010 min  
Lab File: VV034768.D  
Acq: 20 Mar 2024 17:19

Tgt Ion:146 Resp: 8740  
Ion Ratio Lower Upper  
146 100  
111 36.3 27.9 51.7  
148 52.9 44.2 82.0

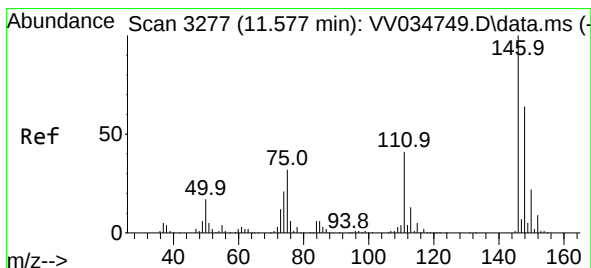
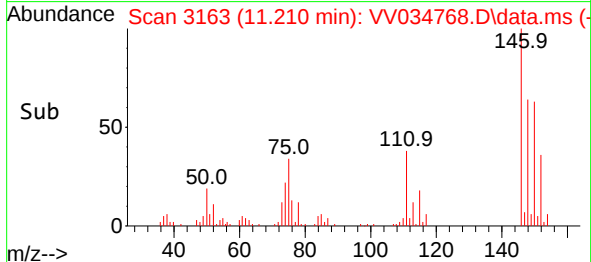
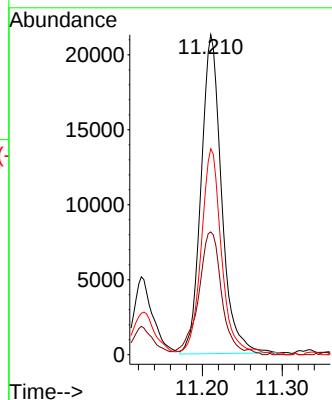
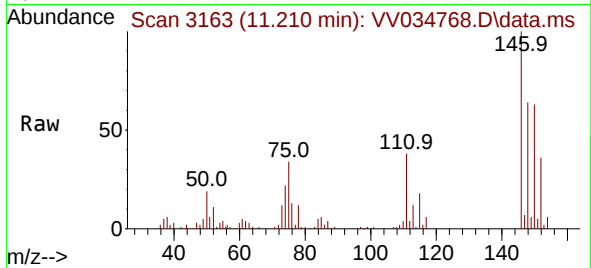




#65  
1,4-Dichlorobenzene  
Concen: 8.239 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VV034768.D  
Acq: 20 Mar 2024 17:19

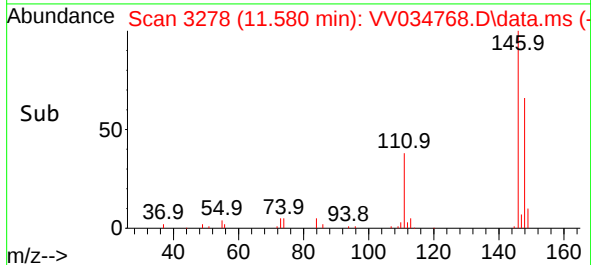
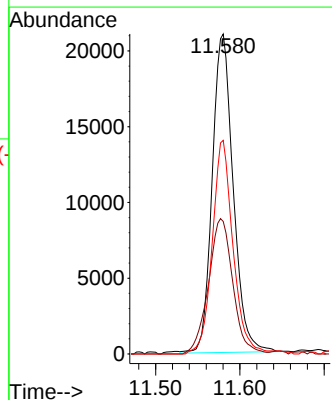
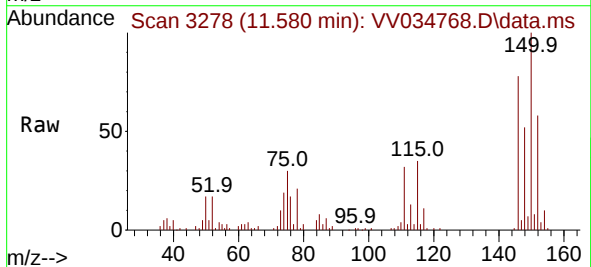
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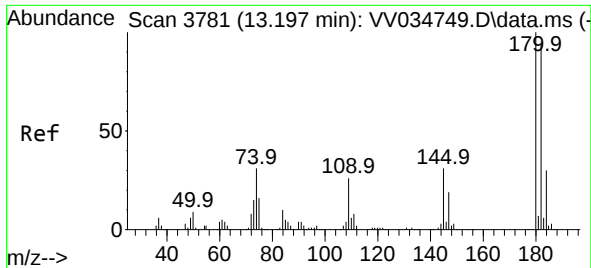
Tgt Ion:146 Resp: 37930  
Ion Ratio Lower Upper  
146 100  
111 38.4 26.5 49.1  
148 64.3 44.0 81.8



#67  
1,2-Dichlorobenzene  
Concen: 7.998 ug/L  
RT: 11.580 min Scan# 3278  
Delta R.T. 0.003 min  
Lab File: VV034768.D  
Acq: 20 Mar 2024 17:19

Tgt Ion:146 Resp: 36331  
Ion Ratio Lower Upper  
146 100  
111 41.4 33.8 50.8  
148 66.7 51.3 76.9

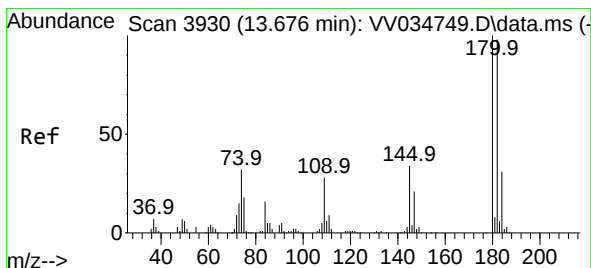
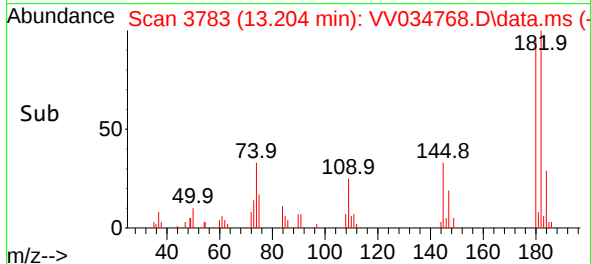
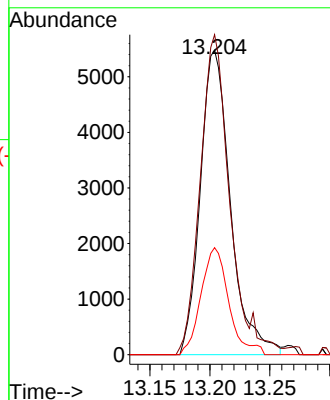
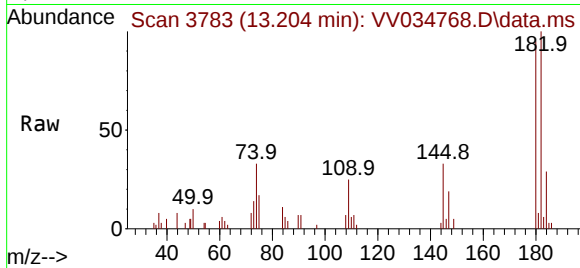




#70  
1,2,4-trichlorobenzene  
Concen: 3.129 ug/L  
RT: 13.204 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: VV034768.D  
Acq: 20 Mar 2024 17:19

Instrument :  
MSVOA\_V  
ClientSampleId :  
YCKZ0

Tgt Ion:180 Resp: 9575  
Ion Ratio Lower Upper  
180 100  
182 97.9 74.8 112.2  
145 31.7 24.2 36.4



#72  
1,2,3-Trichlorobenzene  
Concen: 1.890 ug/L  
RT: 13.686 min Scan# 3933  
Delta R.T. 0.010 min  
Lab File: VV034768.D  
Acq: 20 Mar 2024 17:19

Tgt Ion:180 Resp: 5641  
Ion Ratio Lower Upper  
180 100  
182 94.8 75.9 113.9  
145 29.1 25.5 38.3

