

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111323\  
 Data File : VV032952.D  
 Acq On : 13 Nov 2023 23:35  
 Operator : SY/MD  
 Sample : 05296-12 100 X  
 Misc : 4.56gm/5mL/100uL/5mL/MSVOA\_V/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 14 01:39:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 14 01:11:23 2023  
 Response via : Initial Calibration

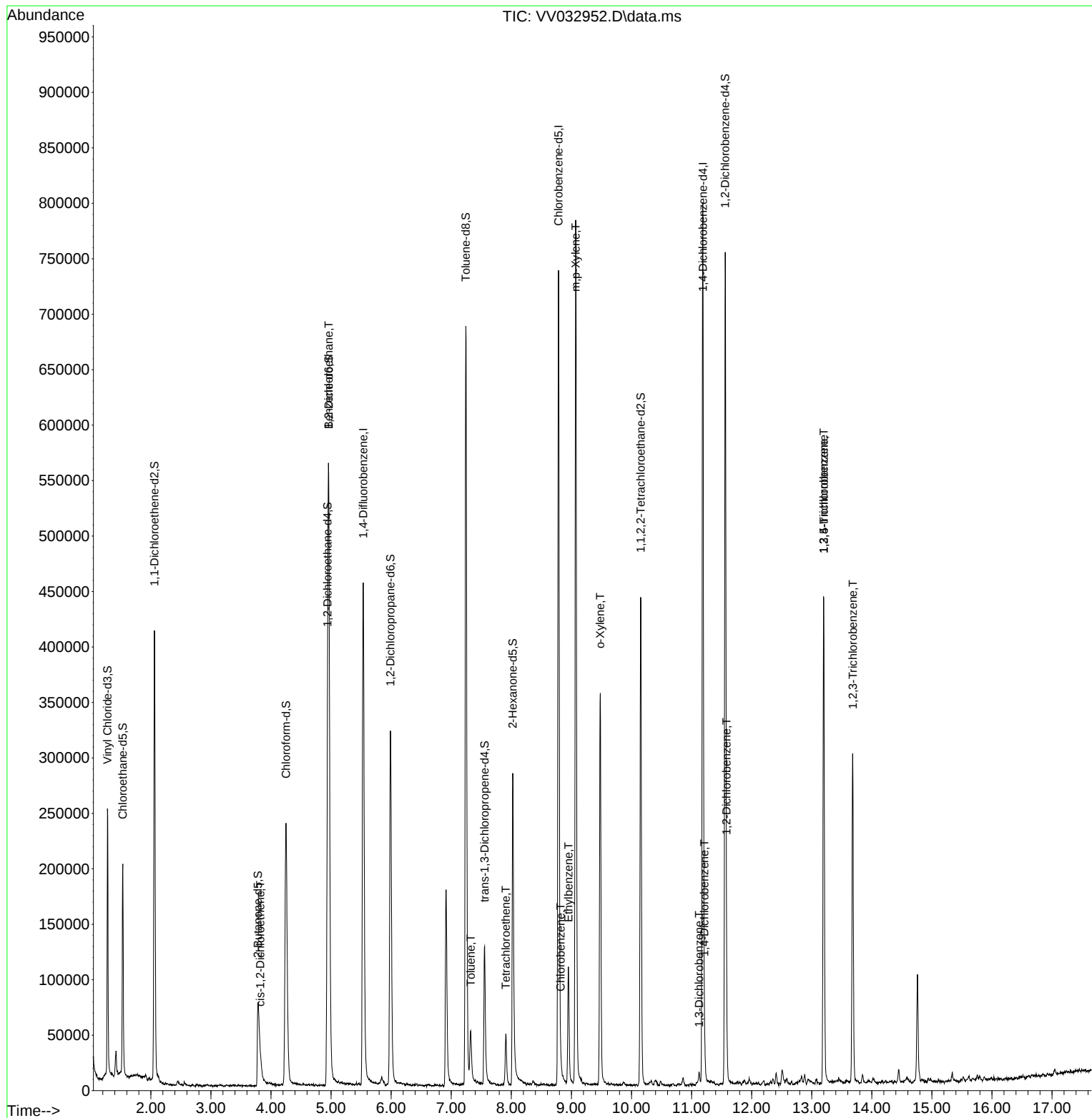
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 402207   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 405933   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 200140   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 150343   | 44.196   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 88.400%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 124944   | 44.331   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.660%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 67474    | 45.525   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.060%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 109799   | 75.301   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 75.300%  |
| 24) Chloroform-d              | 4.249   | 84    | 253855   | 43.196   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 160368   | 44.848   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.700%  |
| 32) Benzene-d6                | 4.960   | 84    | 510835   | 46.140   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.280%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 148938   | 46.281   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.560%  |
| 41) Toluene-d8                | 7.243   | 98    | 459654   | 45.031   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.060%  |
| 43) trans-1,3-Dichloroprop... | 7.554   | 79    | 72814    | 42.620   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.240%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 96237    | 81.628   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 81.630%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152  | 84    | 204580   | 43.396   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 86.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 190718   | 49.041   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 20) cis-1,2-Dichloroethene    | 3.821   | 96    | 3698     | 1.219    | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 4.960   | 62    | 3575     | 0.854    | ug/L   | 95       |
| 42) Toluene                   | 7.323   | 91    | 36877    | 3.065    | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.908   | 164   | 10256    | 3.979    | ug/L   | 96       |
| 51) Chlorobenzene             | 8.818   | 112   | 9615     | 1.154    | ug/L   | 96       |
| 52) Ethylbenzene              | 8.950   | 91    | 73287    | 5.501    | ug/L   | 98       |
| 53) m,p-Xylene                | 9.072   | 106   | 218039   | 42.561   | ug/L   | 96       |
| 54) o-Xylene                  | 9.480   | 106   | 92551    | 18.736   | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.127  | 146   | 4568     | 0.739    | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.213  | 146   | 14094    | 2.127    | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580  | 146   | 10539    | 1.696    | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.201  | 180   | 131517   | 28.368   | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201  | 180   | 131517   | 31.580   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.683  | 180   | 86103    | 20.544   | ug/L   | 100      |
| -----                         |         |       |          |          |        |          |

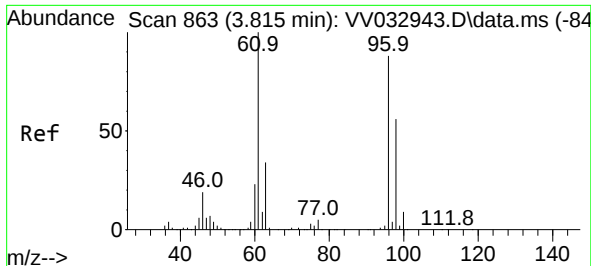
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111323\  
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Operator : SY/MD  
Sample : 05296-12 100 X  
Misc : 4.56gm/5mL/100uL/5mL/MSVOA\_V/MEOH  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 14 01:39:50 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Nov 14 01:11:23 2023  
Response via : Initial Calibration

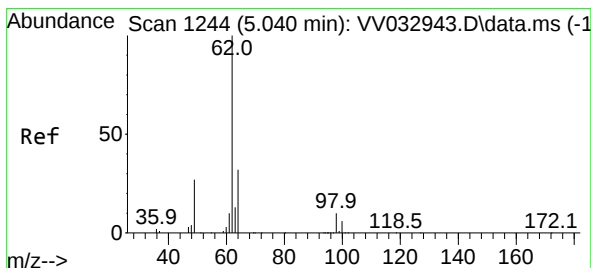
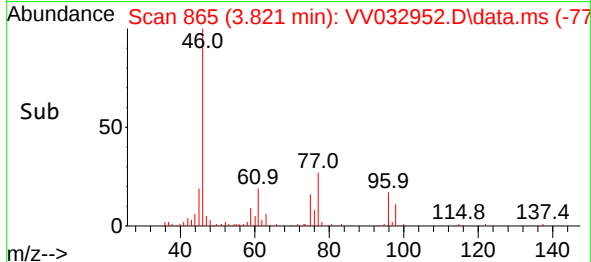
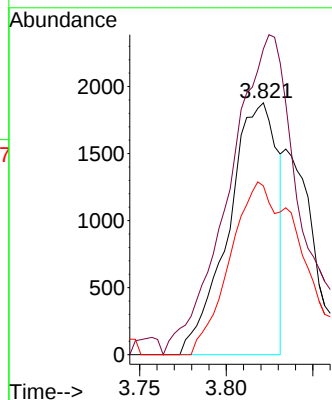
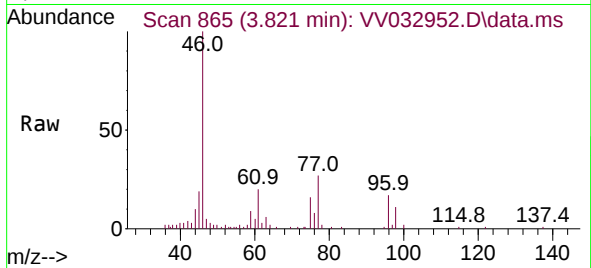




#20  
 cis-1,2-Dichloroethene  
 Concen: 1.219 ug/L  
 RT: 3.821 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VV032952.D  
 Acq: 13 Nov 2023 23:35

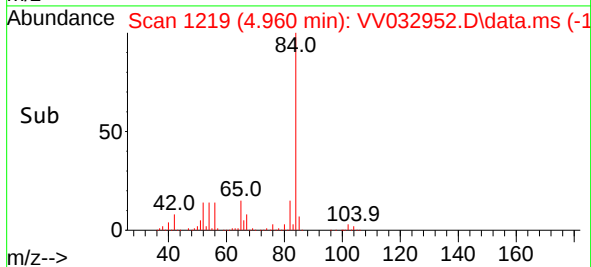
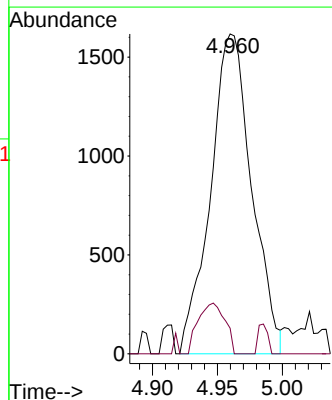
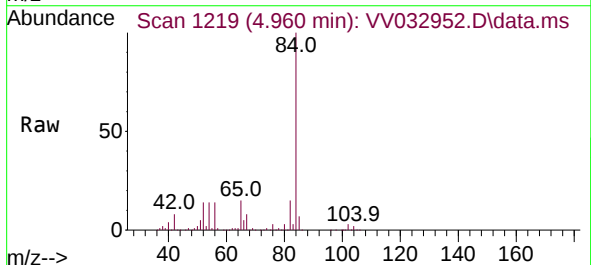
Instrument :  
 MSVOA\_V  
 ClientSampleId :

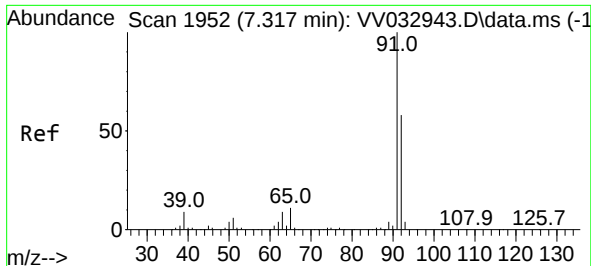
Tgt Ion: 96 Resp: 3698  
 Ion Ratio Lower Upper  
 96 100  
 61 121.4 83.5 155.1  
 98 67.0 44.0 81.8



#27  
 1,2-Dichloroethane  
 Concen: 0.854 ug/L  
 RT: 4.960 min Scan# 1219  
 Delta R.T. -0.080 min  
 Lab File: VV032952.D  
 Acq: 13 Nov 2023 23:35

Tgt Ion: 62 Resp: 3575  
 Ion Ratio Lower Upper  
 62 100  
 98 8.0 8.0 12.0





#42

Toluene

Concen: 3.065 ug/L

RT: 7.323 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VV032952.D

Acq: 13 Nov 2023 23:35

Instrument :

MSVOA\_V

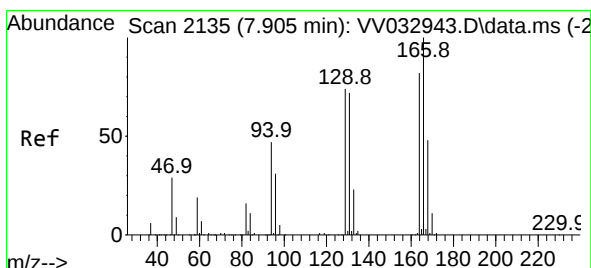
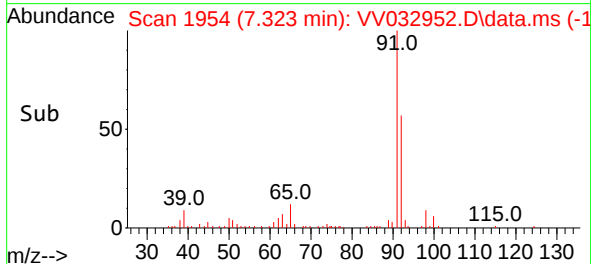
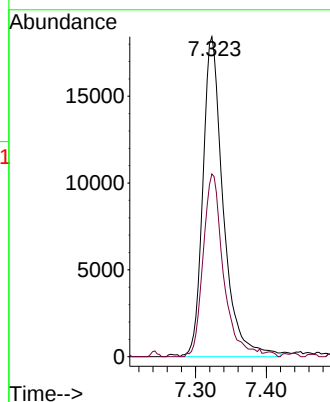
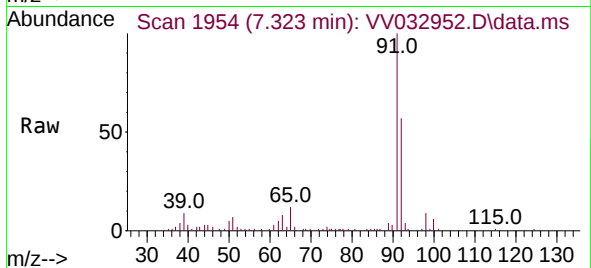
ClientSampleId :

Tgt Ion: 91 Resp: 36877

Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.9



#46

Tetrachloroethene

Concen: 3.979 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV032952.D

Acq: 13 Nov 2023 23:35

Tgt Ion: 164 Resp: 10256

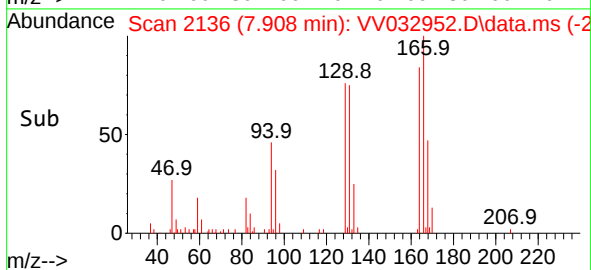
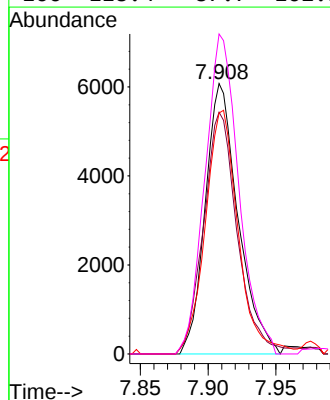
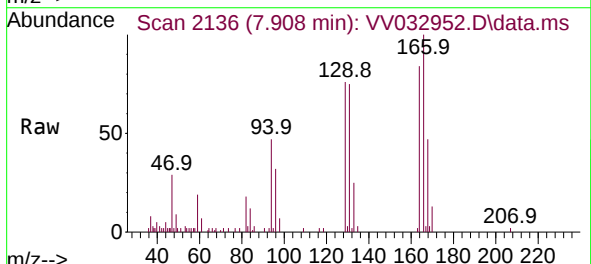
Ion Ratio Lower Upper

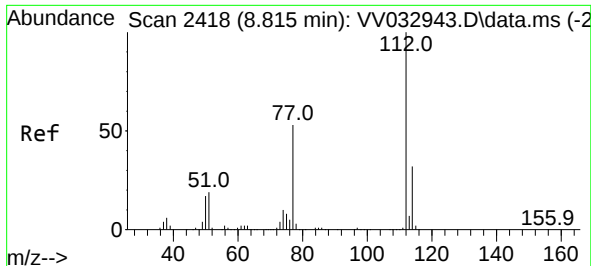
164 100

129 89.4 64.2 119.2

131 89.2 63.5 117.9

166 118.4 87.7 162.9

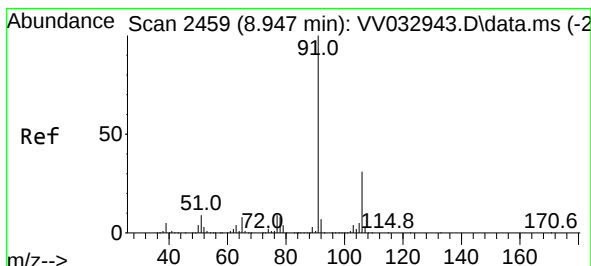
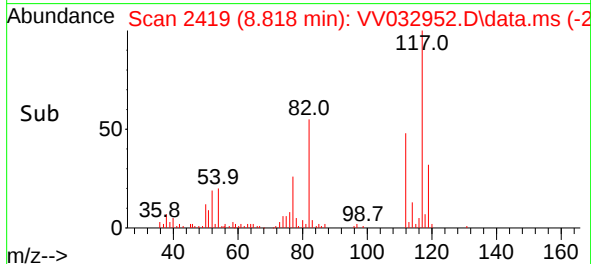
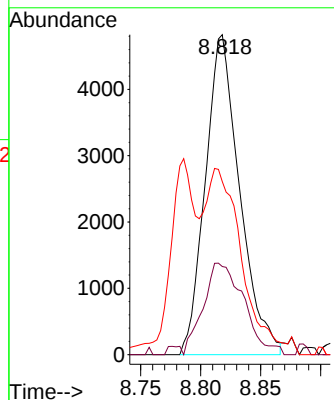
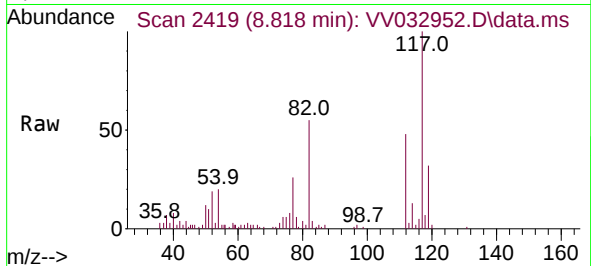




#51  
Chlorobenzene  
Concen: 1.154 ug/L  
RT: 8.818 min Scan# 2418  
Delta R.T. 0.003 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

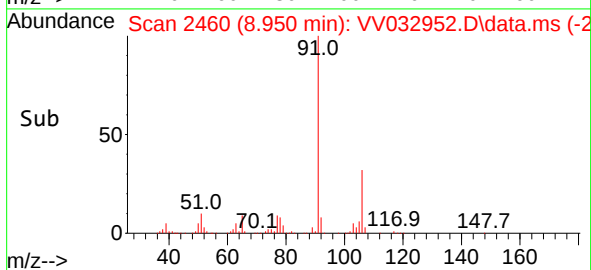
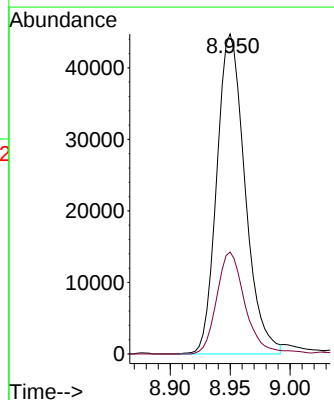
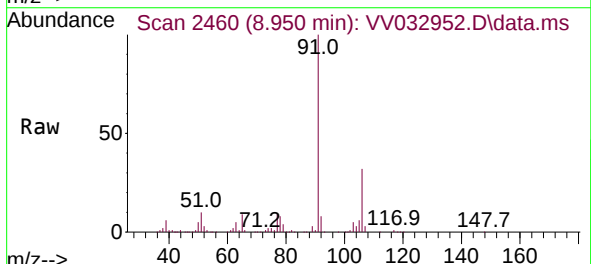
Instrument :  
MSVOA\_V  
ClientSampleId :

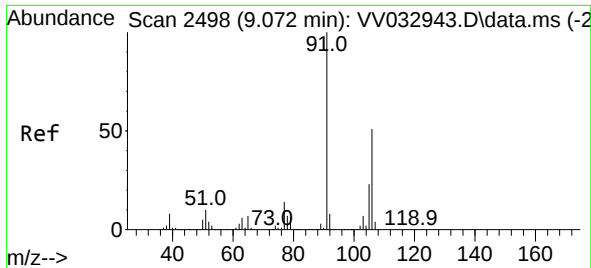
Tgt Ion:112 Resp: 9615  
Ion Ratio Lower Upper  
112 100  
114 27.5 22.1 41.1  
77 54.1 44.2 66.2



#52  
Ethylbenzene  
Concen: 5.501 ug/L  
RT: 8.950 min Scan# 2460  
Delta R.T. 0.003 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

Tgt Ion: 91 Resp: 73287  
Ion Ratio Lower Upper  
91 100  
106 31.8 21.6 40.0

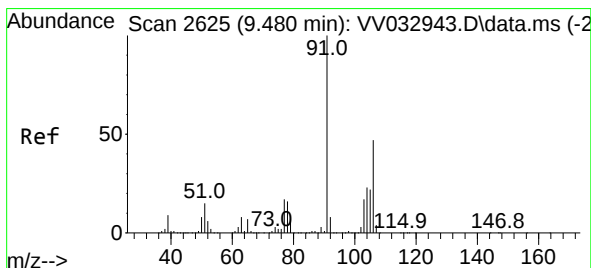
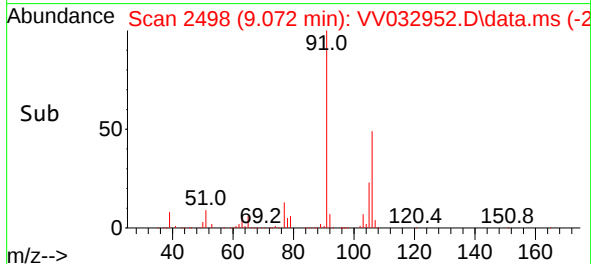
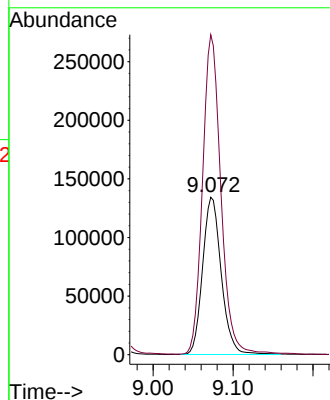
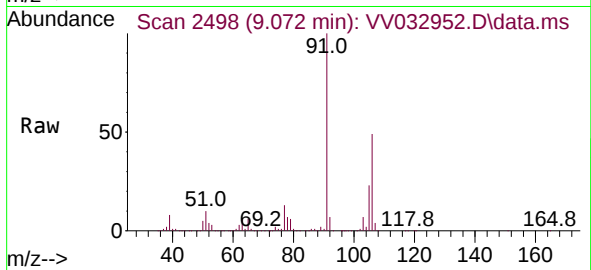




#53  
m,p-Xylene  
Concen: 42.561 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. -0.000 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

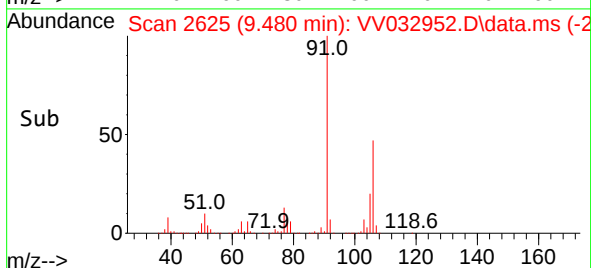
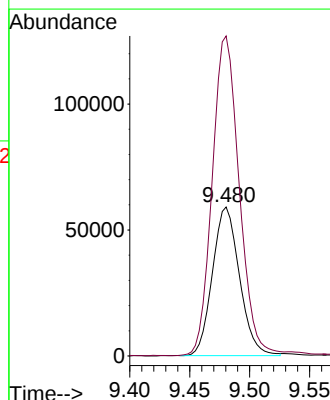
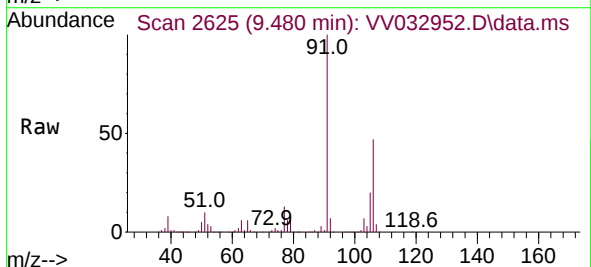
Instrument :  
MSVOA\_V  
ClientSampleId :

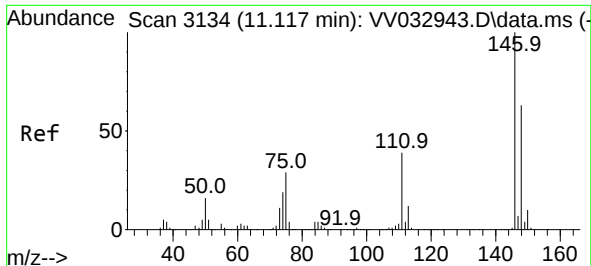
Tgt Ion:106 Resp: 218039  
Ion Ratio Lower Upper  
106 100  
91 203.1 137.5 255.4



#54  
o-Xylene  
Concen: 18.736 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. -0.000 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

Tgt Ion:106 Resp: 92551  
Ion Ratio Lower Upper  
106 100  
91 214.9 151.6 281.6

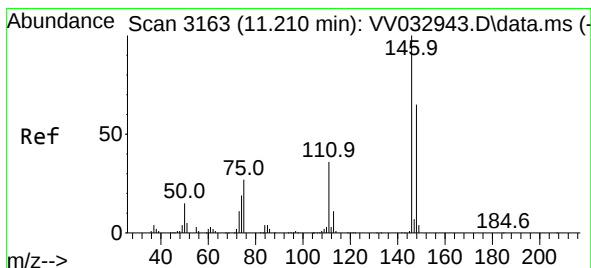
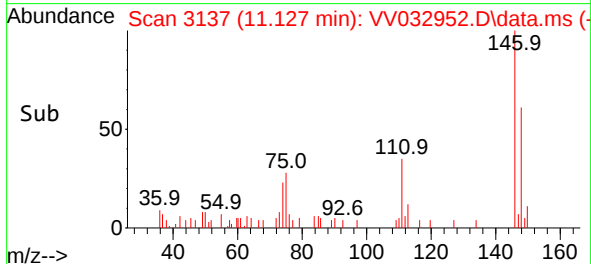
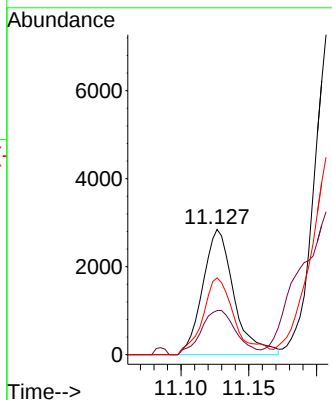
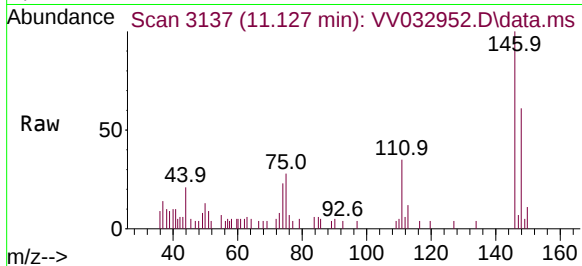




#64  
1,3-Dichlorobenzene  
Concen: 0.739 ug/L  
RT: 11.127 min Scan# 3134  
Delta R.T. 0.010 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

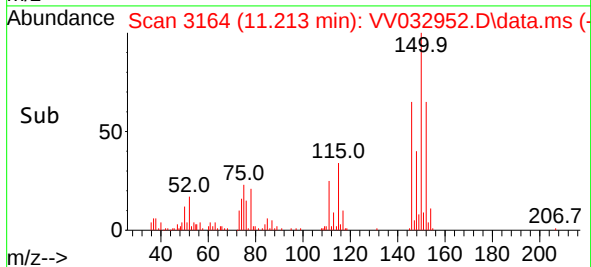
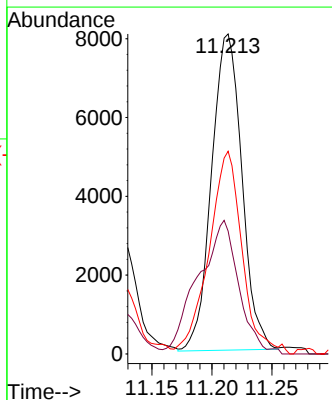
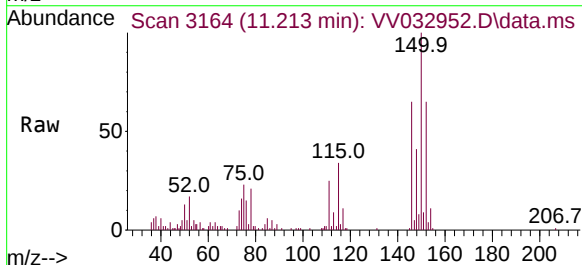
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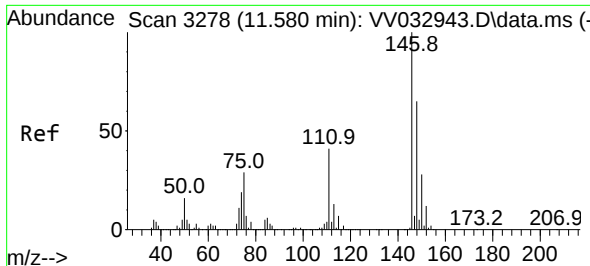
Tgt Ion:146 Resp: 4568  
Ion Ratio Lower Upper  
146 100  
111 35.3 26.9 49.9  
148 61.3 43.6 81.0



#65  
1,4-Dichlorobenzene  
Concen: 2.127 ug/L  
RT: 11.213 min Scan# 3164  
Delta R.T. 0.003 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

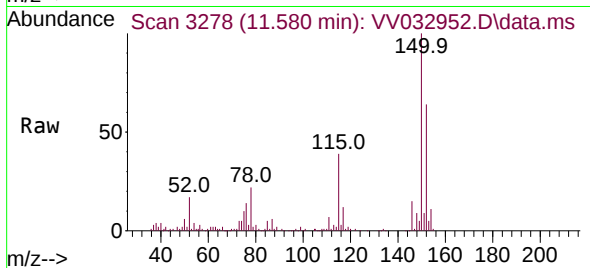
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Ion Ratio Lower Upper  
146 100  
111 38.4 25.5 47.3  
148 63.4 44.4 82.5



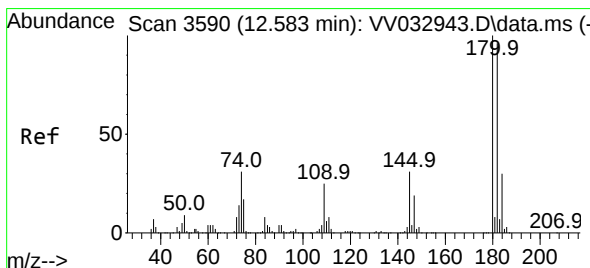
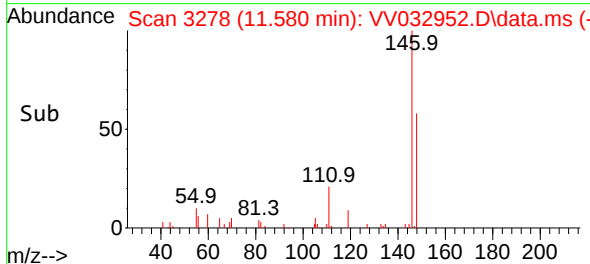
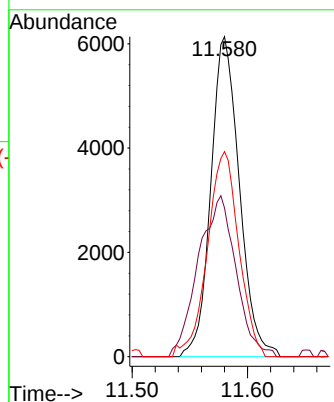


#67  
1,2-Dichlorobenzene  
Concen: 1.696 ug/L  
RT: 11.580 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

Instrument :  
MSVOA\_V  
ClientSampleId :

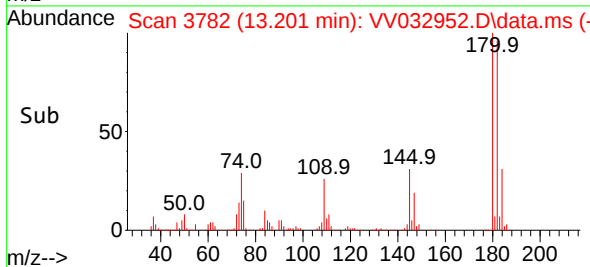
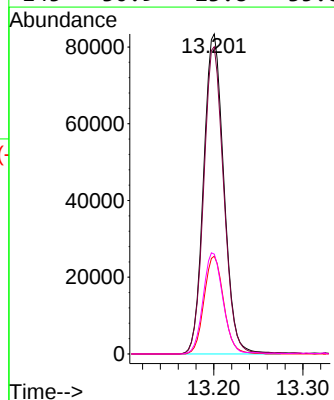
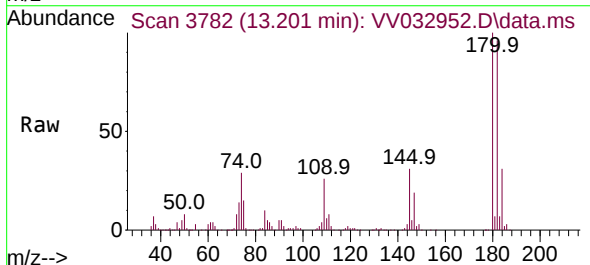


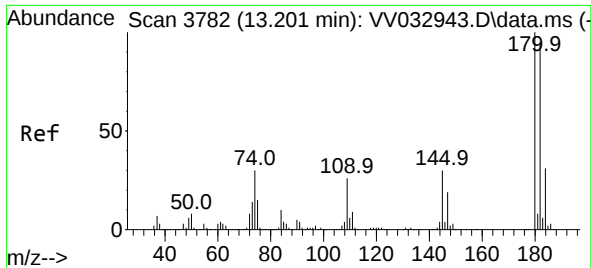
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Ion Ratio Lower Upper  
146 100  
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148 64.1 51.4 77.0



#69  
1,3,5-Trichlorobenzene  
Concen: 28.368 ug/L  
RT: 13.201 min Scan# 3782  
Delta R.T. 0.617 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

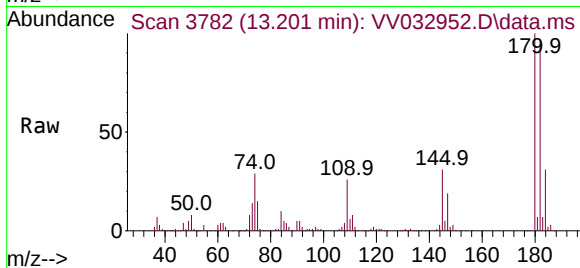
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Ion Ratio Lower Upper  
180 100  
182 94.5 75.9 113.9  
184 29.5 24.6 36.8  
145 30.9 23.8 35.8



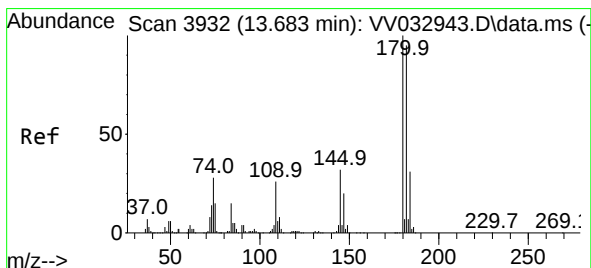
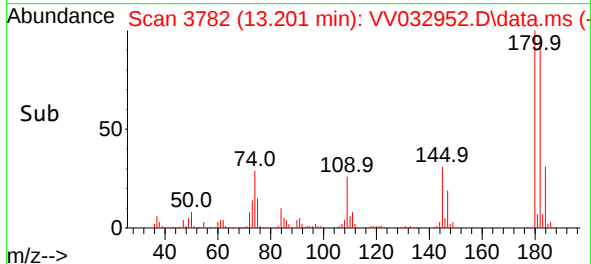
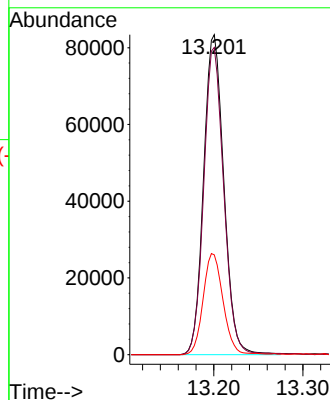


#70  
1,2,4-trichlorobenzene  
Concen: 31.580 ug/L  
RT: 13.201 min Scan# 3782  
Delta R.T. -0.000 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:180 Resp: 131517  
Ion Ratio Lower Upper  
180 100  
182 94.5 77.0 115.4  
145 30.9 24.3 36.5



#72  
1,2,3-Trichlorobenzene  
Concen: 20.544 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. -0.000 min  
Lab File: VV032952.D  
Acq: 13 Nov 2023 23:35

Tgt Ion:180 Resp: 86103  
Ion Ratio Lower Upper  
180 100  
182 96.2 76.9 115.3  
145 33.4 26.1 39.1

