

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112322\  
 Data File : VW029328.D  
 Acq On : 24 Nov 2022 05:38  
 Operator : SY/MD  
 Sample : N5694-06DL 5X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHB42DL

Quant Time: Nov 25 00:23:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 24 04:08:22 2022  
 Response via : Initial Calibration

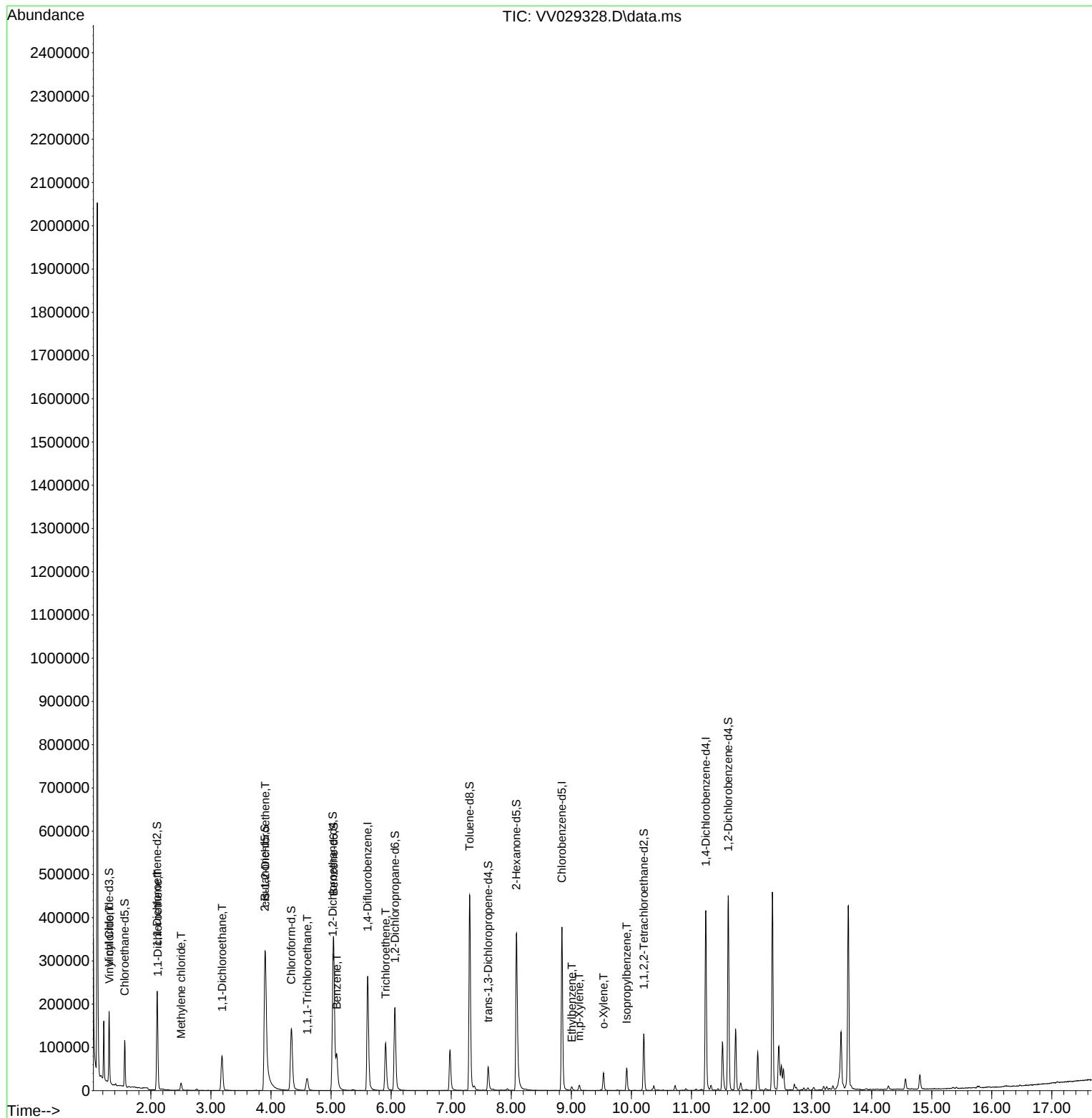
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 250337   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 221033   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 114456   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 89164    | 5.788    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 115.800%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 69283    | 6.144    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 122.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 112029   | 4.544    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.800%   |
| 20) 2-Butanone-d5             | 3.899  | 46    | 162211   | 62.941   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 125.880%  |
| 24) Chloroform-d              | 4.339  | 84    | 158842   | 5.776    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 115.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 72944    | 6.029    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 120.600%  |
| 32) Benzene-d6                | 5.043  | 84    | 351736   | 5.758    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 115.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 100560   | 5.858    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 117.200%  |
| 41) Toluene-d8                | 7.307  | 98    | 322403   | 5.592    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.800%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 35561    | 5.373    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 107.400%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 137767   | 58.399   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 116.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 64190    | 6.060    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 121.200%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 120705   | 6.037    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 120.800%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 5) Vinyl chloride             | 1.311  | 62    | 15881    | 0.931    | ug/L   | 91        |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 12033    | 0.935    | ug/L # | 1         |
| 16) Methylene chloride        | 2.503  | 84    | 7490     | 0.381    | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 83943    | 3.157    | ug/L   | 98        |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 162971   | 9.644    | ug/L   | 96        |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97    | 23734    | 0.934    | ug/L   | 98        |
| 33) Benzene                   | 5.095  | 78    | 86514    | 1.309    | ug/L   | 100       |
| 34) Trichloroethene           | 5.908  | 95    | 38400    | 2.277    | ug/L   | 99        |
| 52) Ethylbenzene              | 9.008  | 91    | 6321     | 0.085    | ug/L   | 95        |
| 53) m,p-Xylene                | 9.133  | 106   | 3573     | 0.122    | ug/L   | 97        |
| 54) o-Xylene                  | 9.535  | 106   | 11086    | 0.387    | ug/L   | 91        |
| 60) Isopropylbenzene          | 9.921  | 105   | 33893    | 0.458    | ug/L   | 97        |
| -----                         |        |       |          |          |        |           |

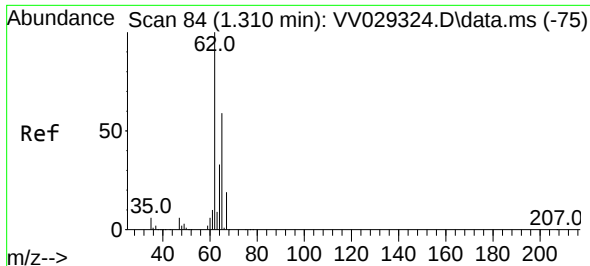
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112322\  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 24 04:08:22 2022  
Response via : Initial Calibration

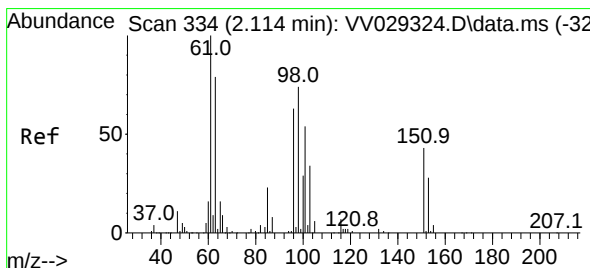
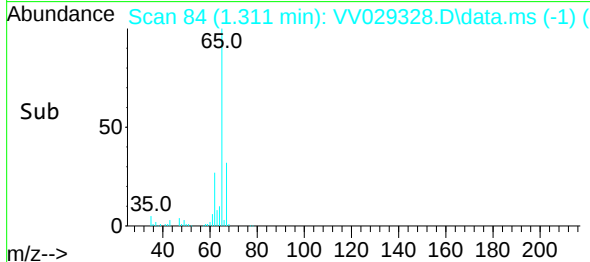
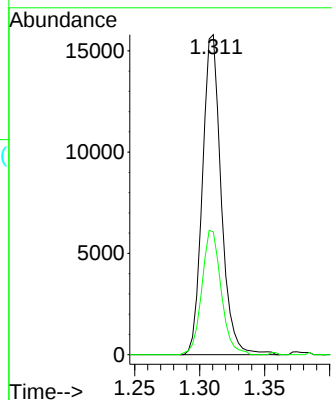
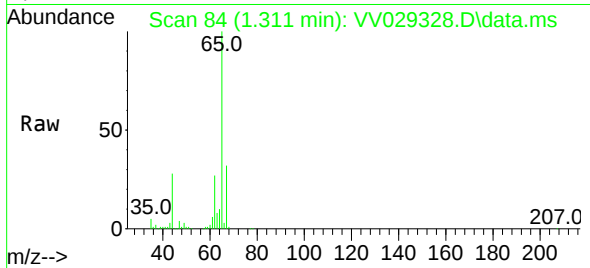




#5  
 Vinyl chloride  
 Concen: 0.931 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV029328.D  
 Acq: 24 Nov 2022 05:38

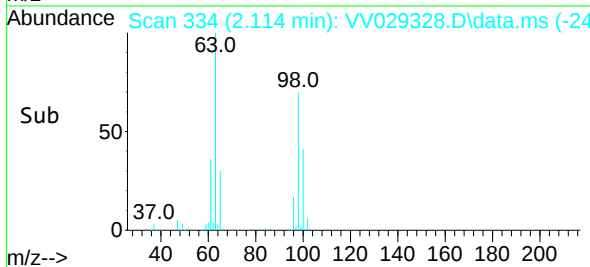
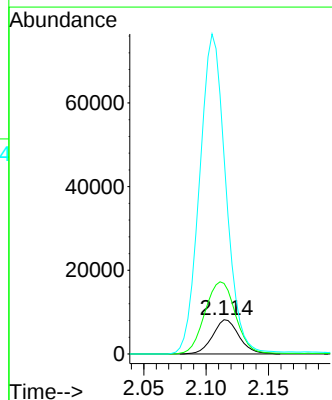
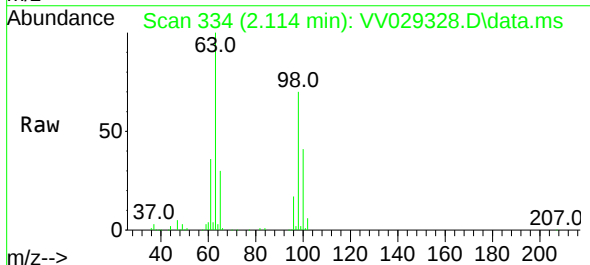
Instrument :  
 MSVOA\_V  
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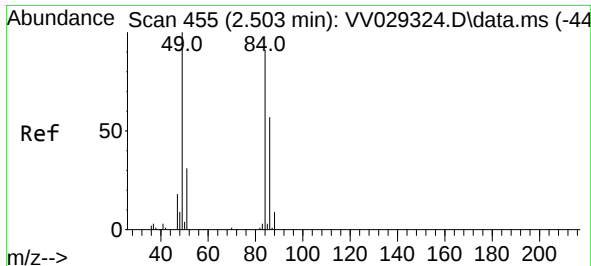
Tgt Ion: 62 Resp: 15881  
 Ion Ratio Lower Upper  
 62 100  
 64 38.4 23.4 43.4



#12  
 1,1-Dichloroethene  
 Concen: 0.935 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.000 min  
 Lab File: VV029328.D  
 Acq: 24 Nov 2022 05:38

Tgt Ion: 96 Resp: 12033  
 Ion Ratio Lower Upper  
 96 100  
 61 206.2 110.3 204.9#  
 63 577.1 84.4 156.8#

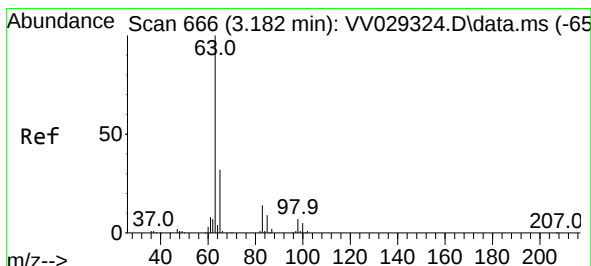
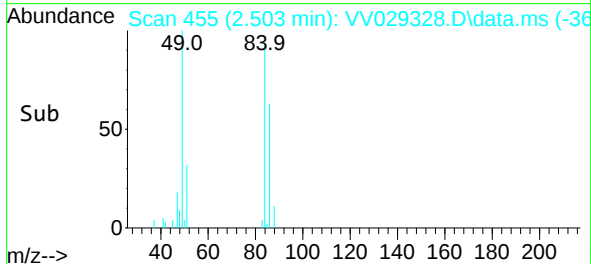
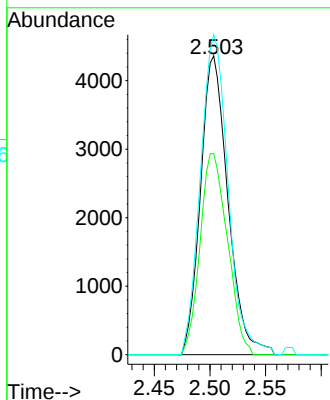
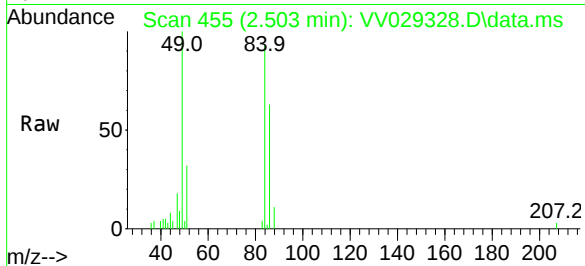




#16  
Methylene chloride  
Concen: 0.381 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VV029328.D  
Acq: 24 Nov 2022 05:38

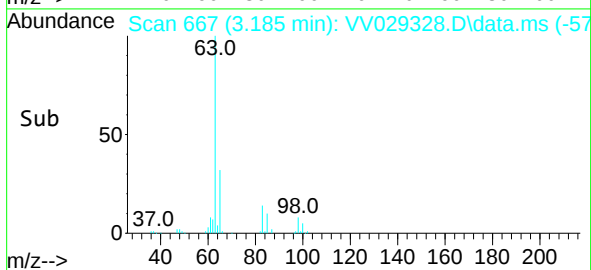
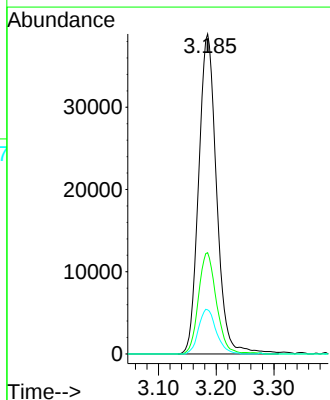
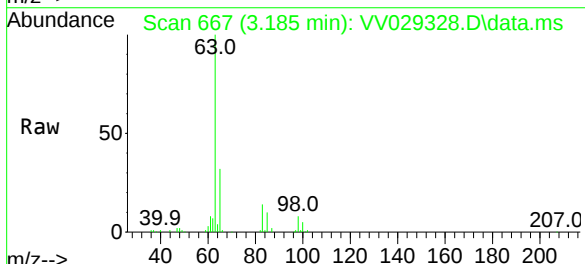
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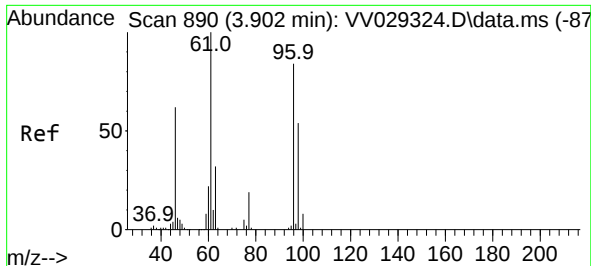
Tgt Ion: 84 Resp: 7490  
Ion Ratio Lower Upper  
84 100  
86 67.3 45.6 84.6  
49 107.1 77.8 144.4



#19  
1,1-Dichloroethane  
Concen: 3.157 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. 0.003 min  
Lab File: VV029328.D  
Acq: 24 Nov 2022 05:38

Tgt Ion: 63 Resp: 83943  
Ion Ratio Lower Upper  
63 100  
65 31.7 21.6 40.2  
83 13.8 10.3 19.1

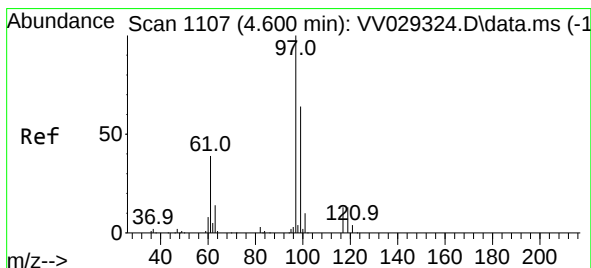
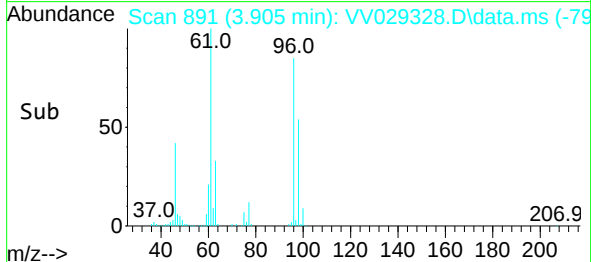
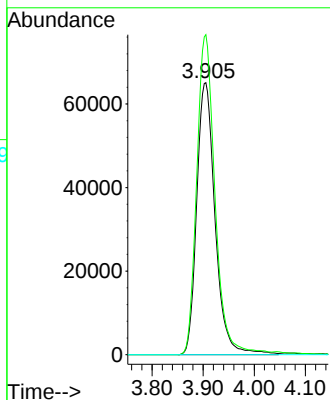
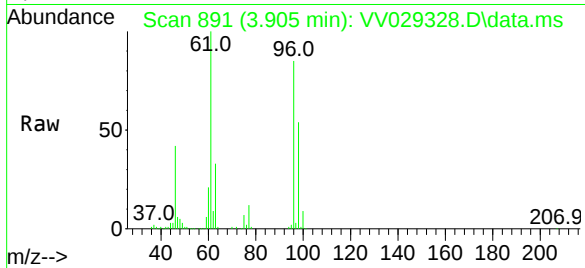




#22  
 cis-1,2-Dichloroethene  
 Concen: 9.644 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV029328.D  
 Acq: 24 Nov 2022 05:38

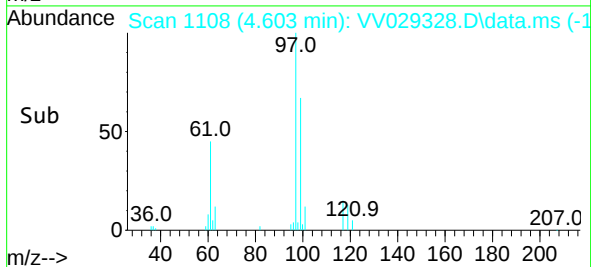
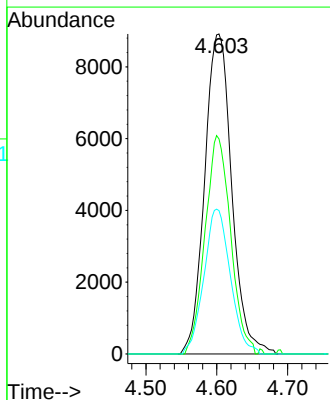
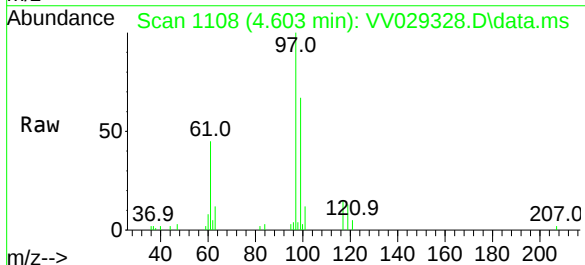
Instrument :  
 MSVOA\_V  
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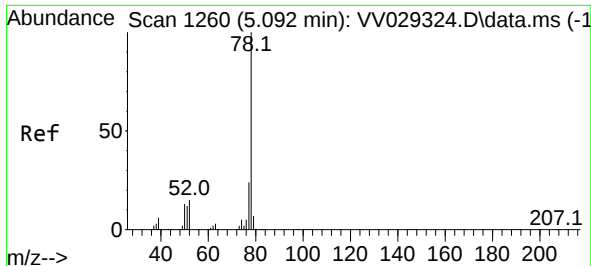
Tgt Ion: 96 Resp: 162971  
 Ion Ratio Lower Upper  
 96 100  
 61 117.6 85.8 159.3  
 68 0.0 0.0 0.0



#29  
 1,1,1-Trichloroethane  
 Concen: 0.934 ug/L  
 RT: 4.603 min Scan# 1108  
 Delta R.T. 0.003 min  
 Lab File: VV029328.D  
 Acq: 24 Nov 2022 05:38

Tgt Ion: 97 Resp: 23734  
 Ion Ratio Lower Upper  
 97 100  
 99 64.4 51.2 76.8  
 61 44.1 33.3 49.9

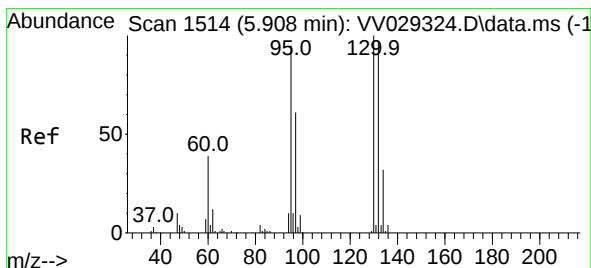
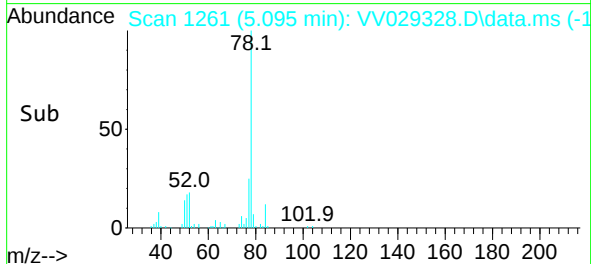
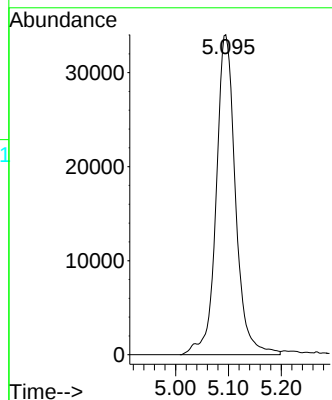
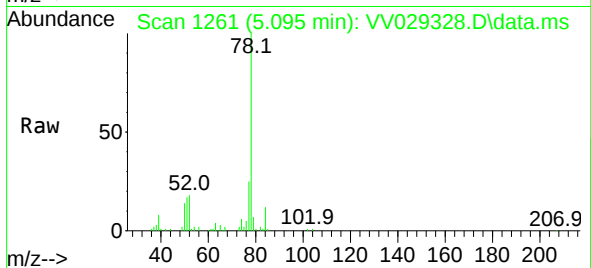




#33  
Benzene  
Concen: 1.309 ug/L  
RT: 5.095 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV029328.D  
Acq: 24 Nov 2022 05:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB42DL

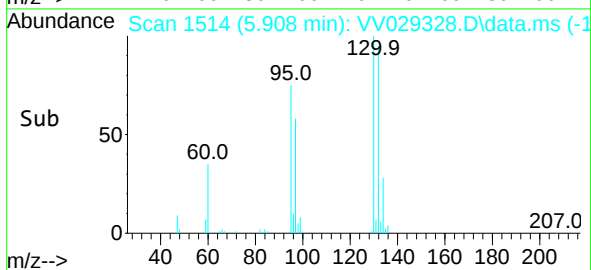
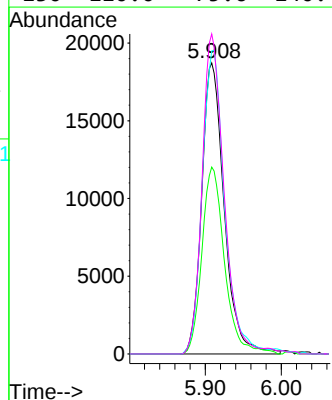
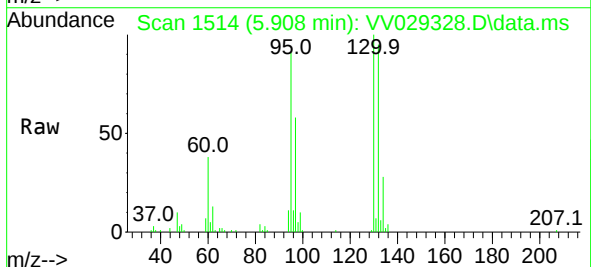
Tgt Ion: 78 Resp: 86514

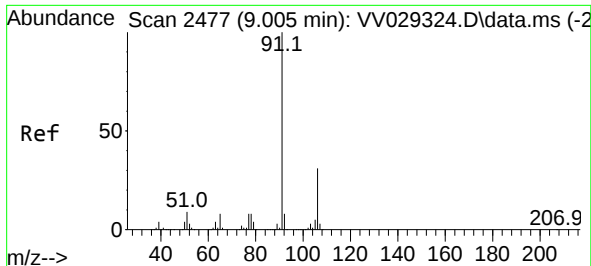


#34  
Trichloroethene  
Concen: 2.277 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VV029328.D  
Acq: 24 Nov 2022 05:38

Tgt Ion: 95 Resp: 38400

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.2  | 45.4  | 84.4  |
| 132 | 104.1 | 73.3  | 136.1 |
| 130 | 110.0 | 75.6  | 140.4 |





#52

Ethylbenzene

Concen: 0.085 ug/L

RT: 9.008 min Scan# 2477

Delta R.T. 0.003 min

Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

Instrument :

MSVOA\_V

ClientSampleId :

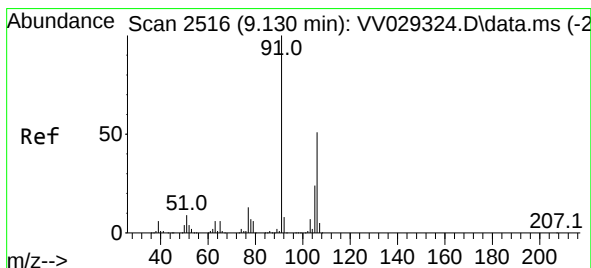
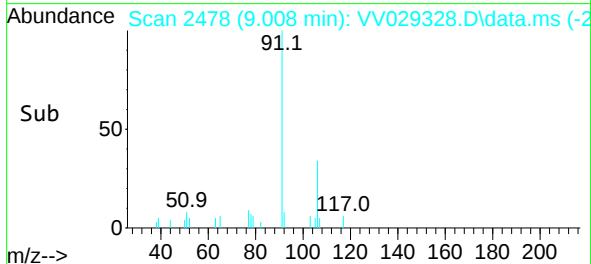
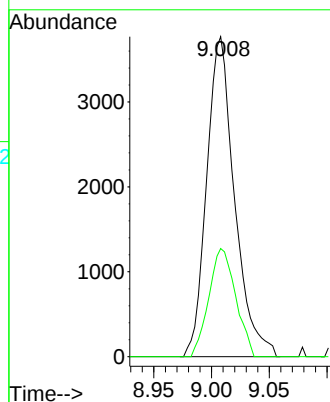
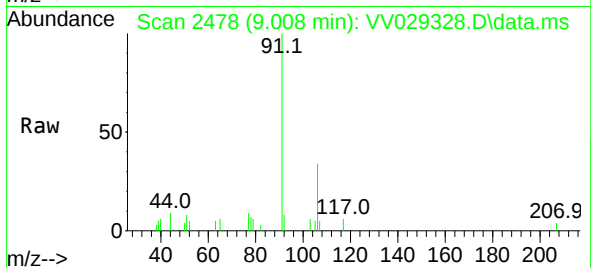
BHB42DL

Tgt Ion: 91 Resp: 6321

Ion Ratio Lower Upper

91 100

106 33.8 21.9 40.7



#53

m,p-Xylene

Concen: 0.122 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029328.D

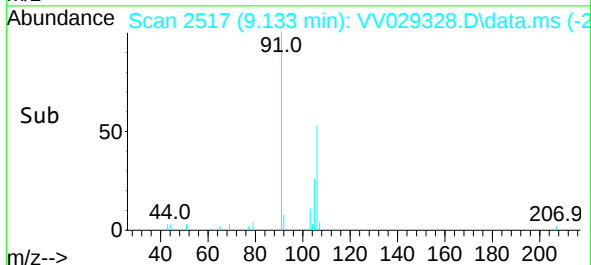
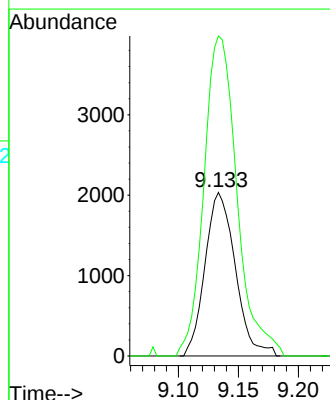
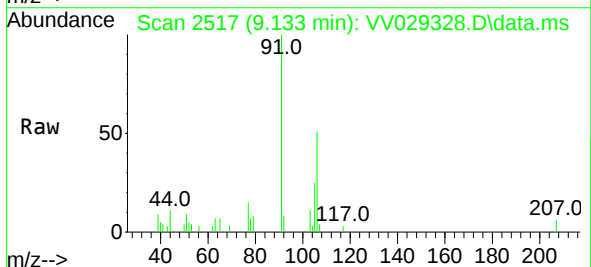
Acq: 24 Nov 2022 05:38

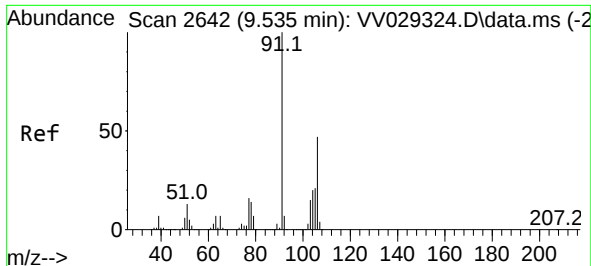
Tgt Ion: 106 Resp: 3573

Ion Ratio Lower Upper

106 100

91 195.7 140.6 261.2

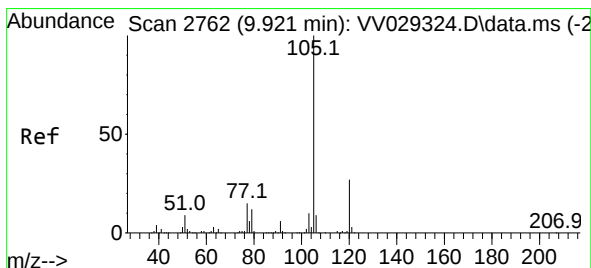
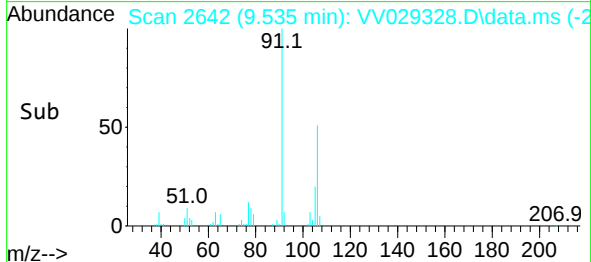
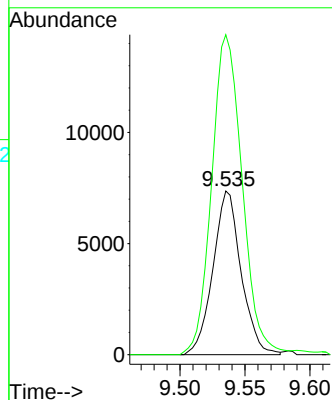
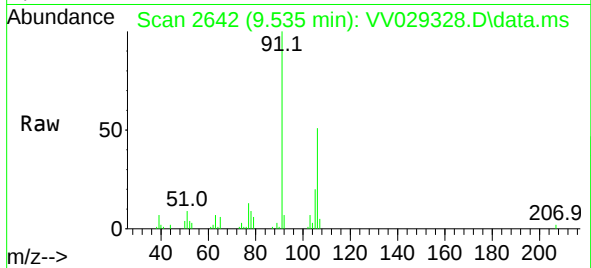




#54  
o-Xylene  
Concen: 0.387 ug/L  
RT: 9.535 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV029328.D  
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Instrument :  
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Tgt Ion:106 Resp: 11086  
Ion Ratio Lower Upper  
106 100  
91 195.5 146.9 272.9



#60  
Isopropylbenzene  
Concen: 0.458 ug/L  
RT: 9.921 min Scan# 2762  
Delta R.T. 0.000 min  
Lab File: VV029328.D  
Acq: 24 Nov 2022 05:38

Tgt Ion:105 Resp: 33893  
Ion Ratio Lower Upper  
105 100  
120 28.9 21.4 32.2  
77 15.9 11.8 17.8

