

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092922\  
 Data File : VV028190.D  
 Acq On : 29 Sep 2022 16:35  
 Operator : SY/MD  
 Sample : N4730-11  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXFS4

Quant Time: Sep 30 01:48:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 29 01:25:35 2022  
 Response via : Initial Calibration

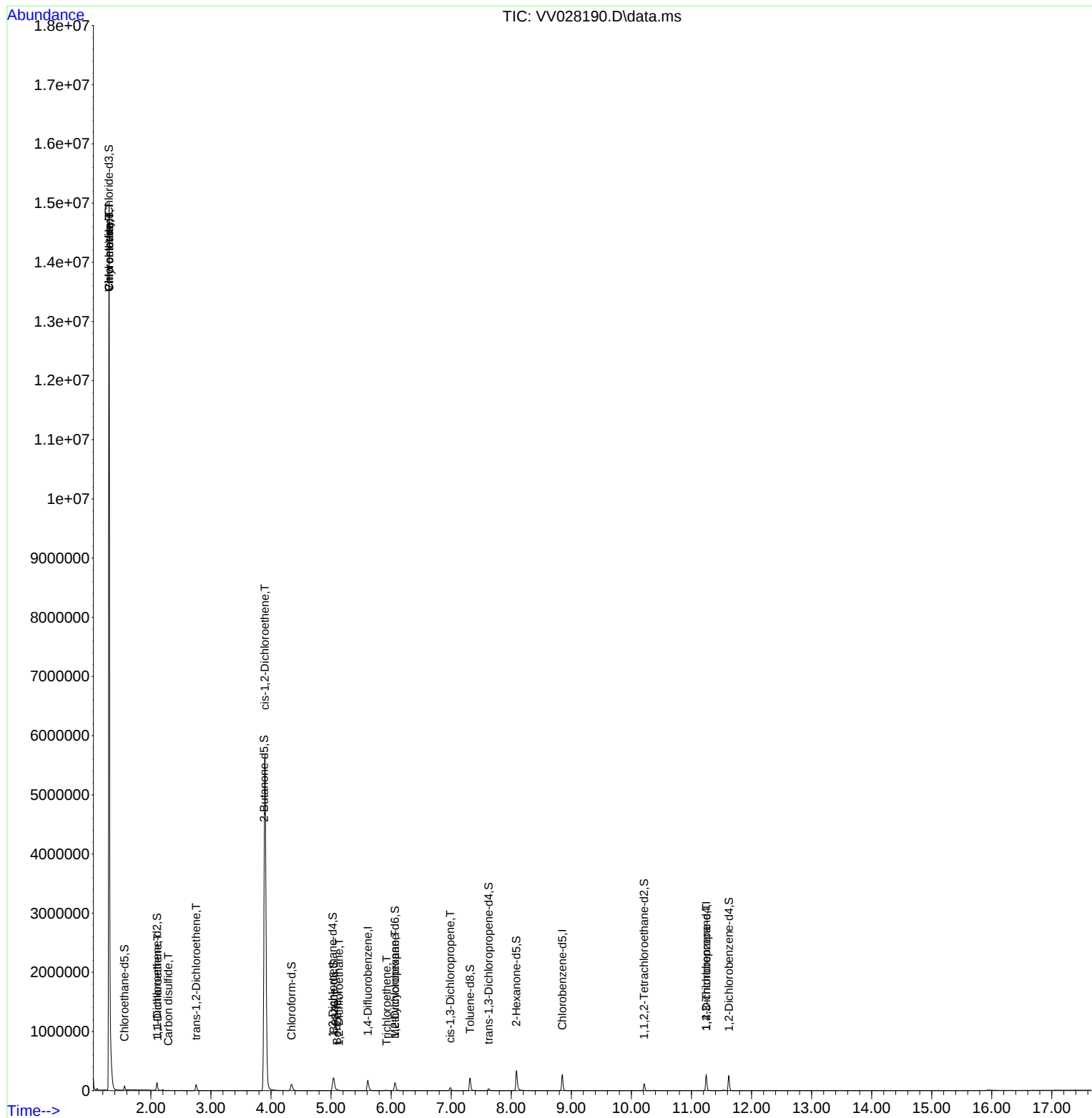
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 156146   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 156894   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 77203    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 128287   | 7.925    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 158.400%# |
| 7) Chloroethane-d5            | 1.561  | 69    | 43732    | 3.398    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 68.000%   |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 62964    | 2.243    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 44.800%#  |
| 20) 2-Butanone-d5             | 3.886  | 46    | 162240   | 59.364   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 118.720%  |
| 24) Chloroform-d              | 4.342  | 84    | 112695   | 4.363    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.200%   |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 56359    | 4.585    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.800%   |
| 32) Benzene-d6                | 5.043  | 84    | 203109   | 3.948    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.000%   |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 68477    | 4.270    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.400%   |
| 41) Toluene-d8                | 7.313  | 98    | 149931   | 3.220    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 64.400%#  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 20655    | 3.565    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 71.400%   |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 123774   | 51.191   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.380%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 56529    | 5.157    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 69417    | 4.584    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.600%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.304  | 50    | 59309    | 3.840    | ug/L # | 41        |
| 5) Vinyl chloride             | 1.304  | 62    | 9859396  | 814.261  | ug/L   | 90        |
| 8) Chloroethane               | 1.304  | 64    | 3535228  | 435.390  | ug/L # | 42        |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 4171     | 0.387    | ug/L # | 1         |
| 14) Carbon disulfide          | 2.291  | 76    | 4039     | 0.195    | ug/L   | 96        |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 39587    | 4.191    | ug/L   | 96        |
| 22) cis-1,2-Dichloroethene    | 3.899  | 96    | 3260593  | 263.058  | ug/L   | 95        |
| 27) 1,2-Dichloroethane        | 5.133  | 62    | 934      | 0.079    | ug/L # | 76        |
| 33) Benzene                   | 5.098  | 78    | 17774    | 0.408    | ug/L   | 100       |
| 34) Trichloroethene           | 5.924  | 95    | 2616     | 0.241    | ug/L   | 80        |
| 35) Methylcyclohexane         | 6.063  | 83    | 16629    | 1.118    | ug/L # | 16        |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75    | 1160     | 0.076    | ug/L # | 33        |
| 61) 1,2,3-Trichloropropane    | 11.246 | 75    | 6754     | 1.043    | ug/L # | 65        |
| -----                         |        |       |          |          |        |           |

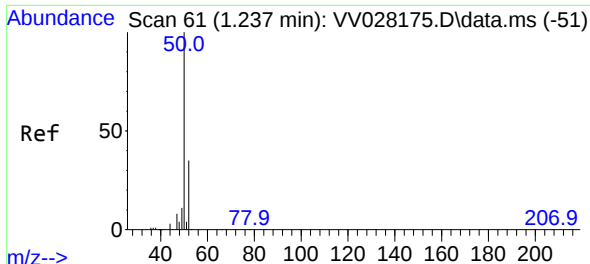
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092922\  
Data File : VV028190.D  
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Sample : N4730-11  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
EXFS4

Quant Time: Sep 30 01:48:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Sep 29 01:25:35 2022  
Response via : Initial Calibration

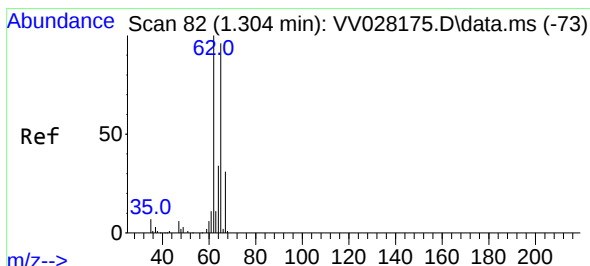
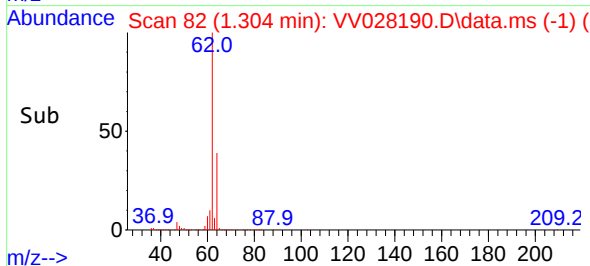
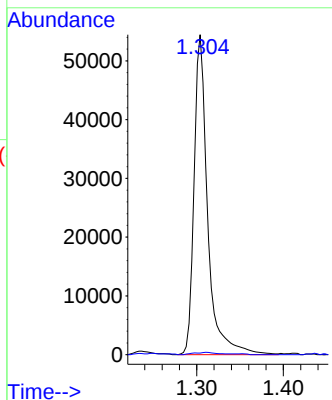
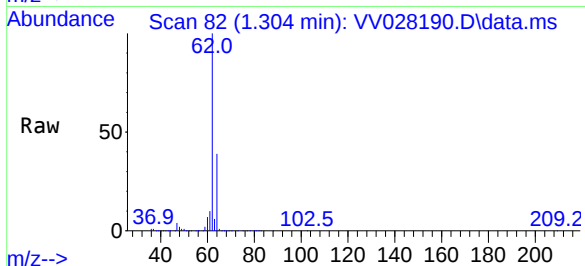




#3  
Chloromethane  
Concen: 3.840 ug/L  
RT: 1.304 min Scan# 81  
Delta R.T. 0.067 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

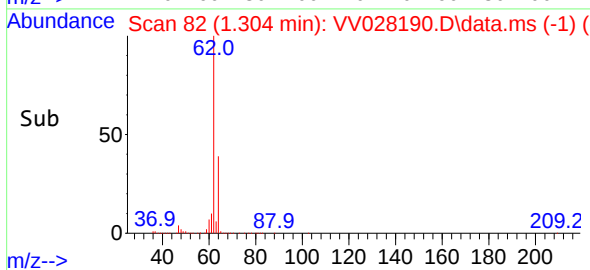
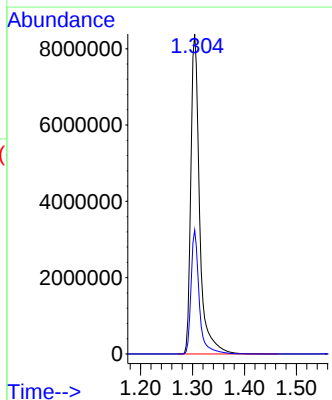
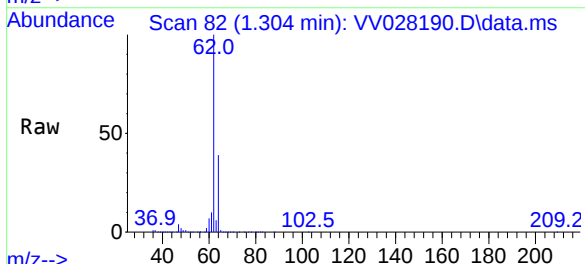
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXFS4

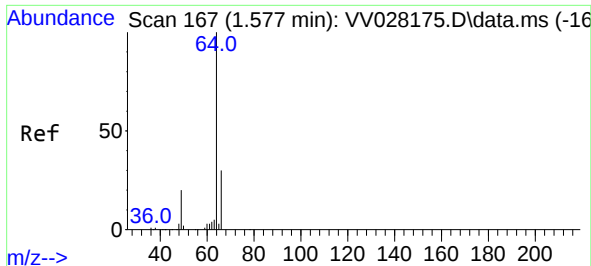
Tgt Ion: 50 Resp: 59309  
Ion Ratio Lower Upper  
50 100  
52 0.5 24.4 45.2#



#5  
Vinyl chloride  
Concen: 814.261 ug/L  
RT: 1.304 min Scan# 82  
Delta R.T. -0.000 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

Tgt Ion: 62 Resp: 9859396  
Ion Ratio Lower Upper  
62 100  
64 38.7 23.0 42.8

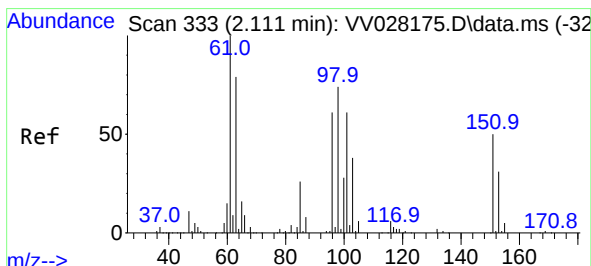
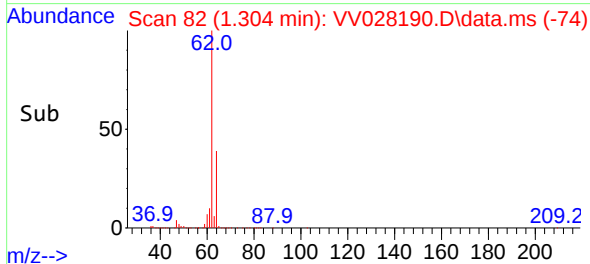
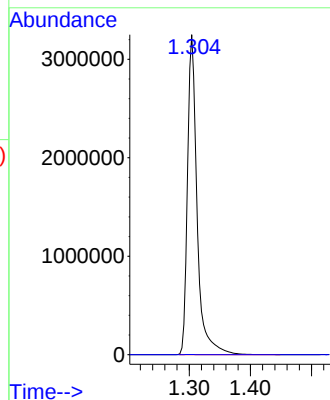
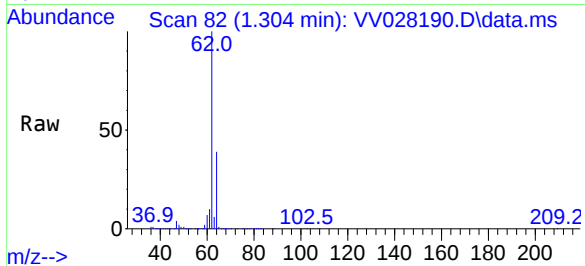




#8  
Chloroethane  
Concen: 435.390 ug/L  
RT: 1.304 min Scan# 81  
Delta R.T. -0.273 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

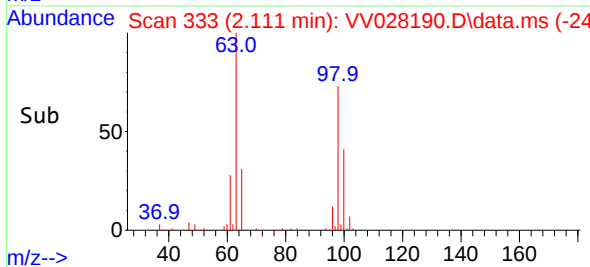
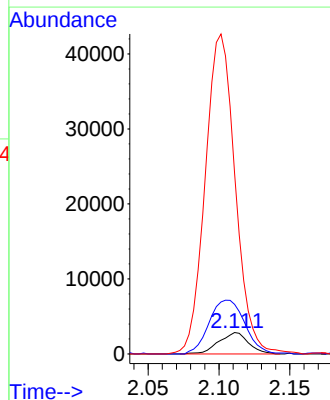
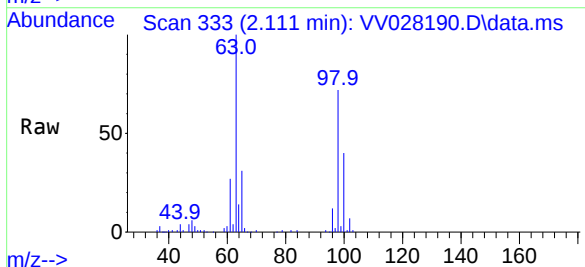
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXFS4

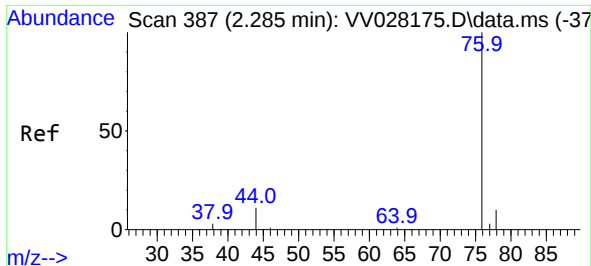
Tgt Ion: 64 Resp: 3535228  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.0 42.8#



#12  
1,1-Dichloroethene  
Concen: 0.387 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. -0.000 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

Tgt Ion: 96 Resp: 4171  
Ion Ratio Lower Upper  
96 100  
61 231.1 128.3 238.3  
63 840.8 112.7 209.3#

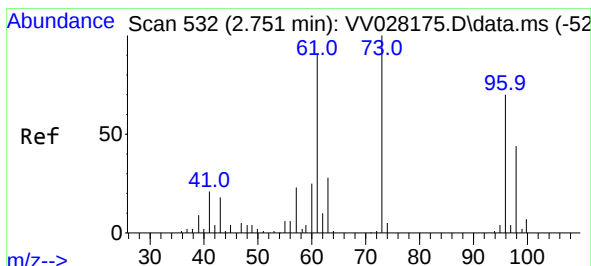
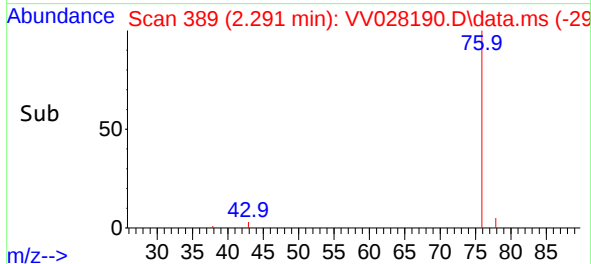
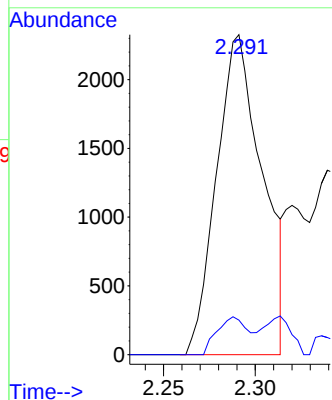
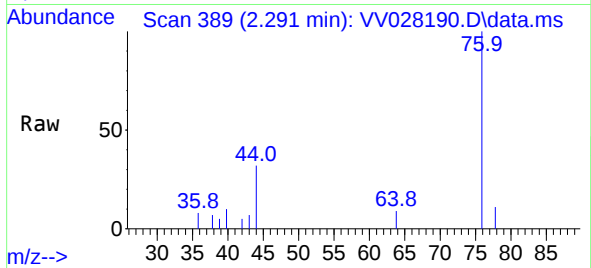




#14  
Carbon disulfide  
Concen: 0.195 ug/L  
RT: 2.291 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

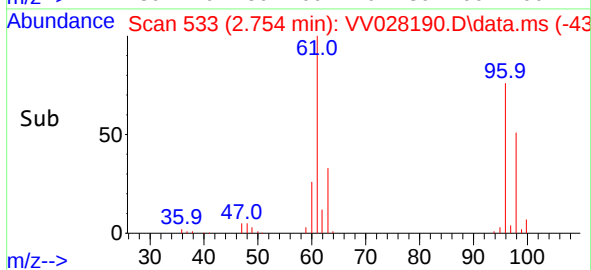
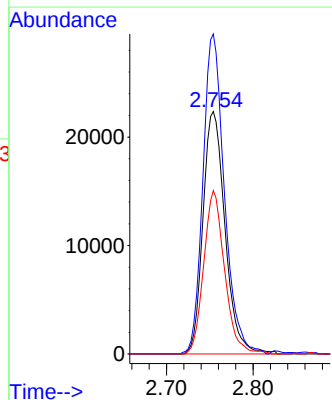
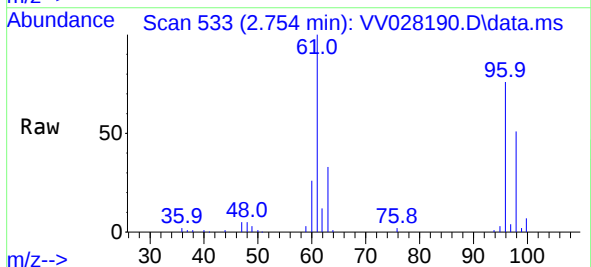
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXFS4

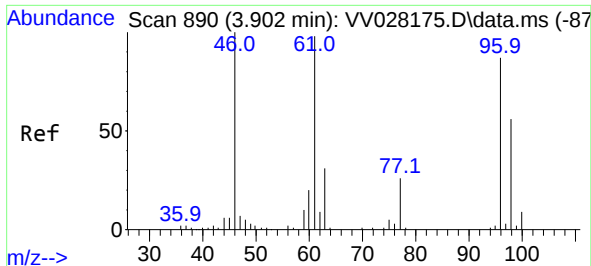
Tgt Ion: 76 Resp: 4039  
Ion Ratio Lower Upper  
76 100  
78 10.8 7.6 11.4



#18  
trans-1,2-Dichloroethene  
Concen: 4.191 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.003 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

Tgt Ion: 96 Resp: 39587  
Ion Ratio Lower Upper  
96 100  
61 132.0 96.2 178.6  
98 67.4 45.7 84.9

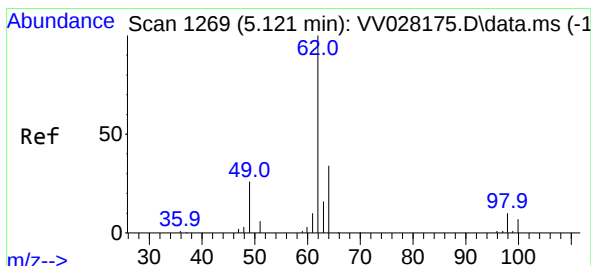
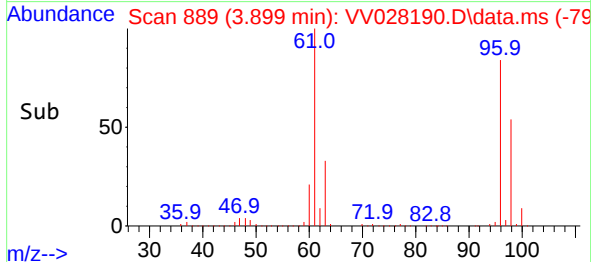
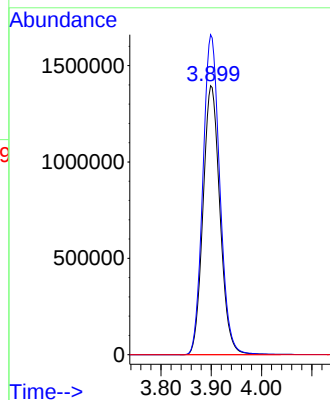
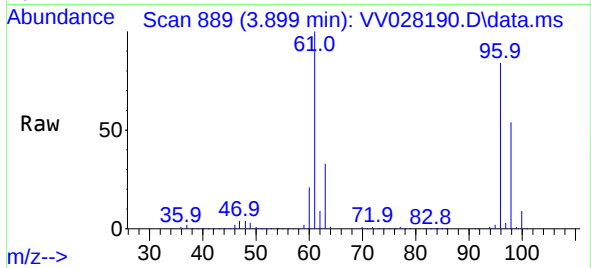




#22  
 cis-1,2-Dichloroethene  
 Concen: 263.058 ug/L  
 RT: 3.899 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV028190.D  
 Acq: 29 Sep 2022 16:35

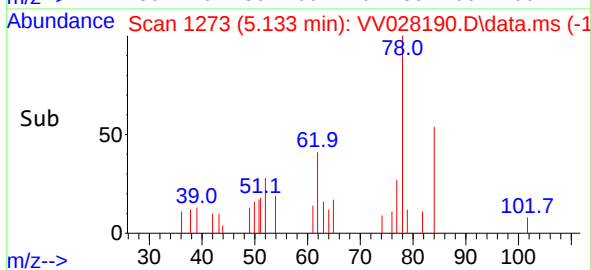
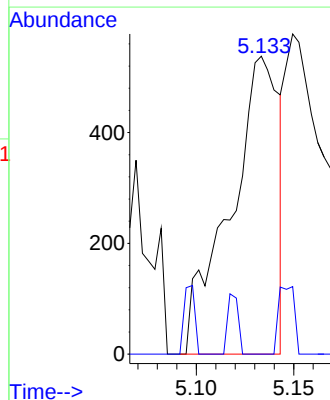
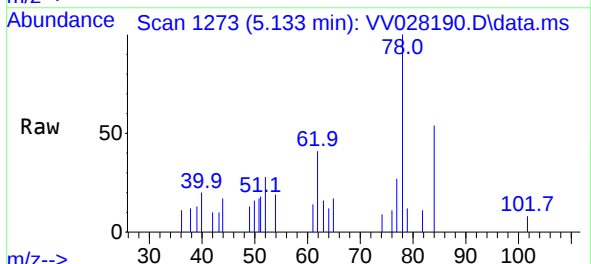
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXFS4

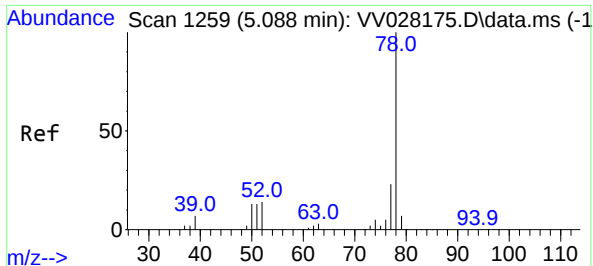
Tgt Ion: 96 Resp: 3260593  
 Ion Ratio Lower Upper  
 96 100  
 61 119.0 87.2 161.9  
 68 0.0 0.0 0.0



#27  
 1,2-Dichloroethane  
 Concen: 0.079 ug/L  
 RT: 5.133 min Scan# 1273  
 Delta R.T. 0.010 min  
 Lab File: VV028190.D  
 Acq: 29 Sep 2022 16:35

Tgt Ion: 62 Resp: 934  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.7 10.1#

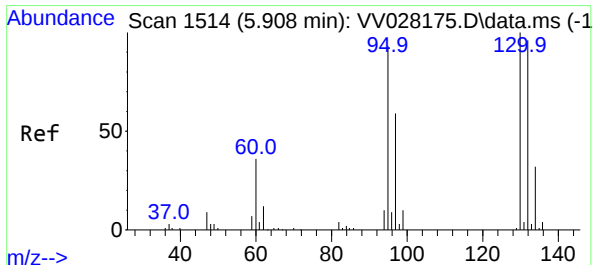
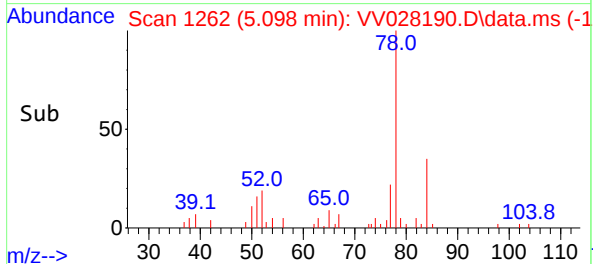
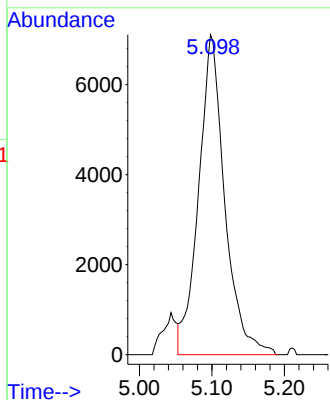
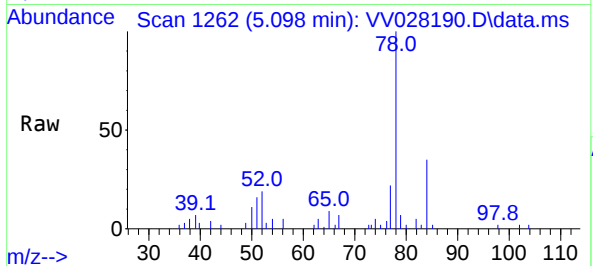




#33  
Benzene  
Concen: 0.408 ug/L  
RT: 5.098 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

Instrument : MSVOA\_V  
ClientSampleId : EXFS4

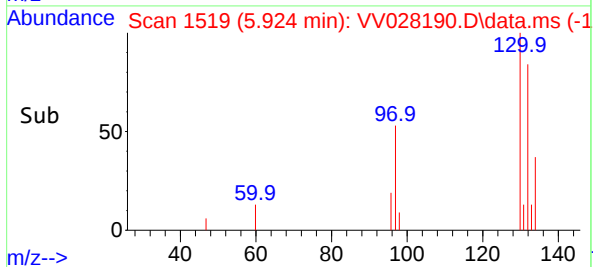
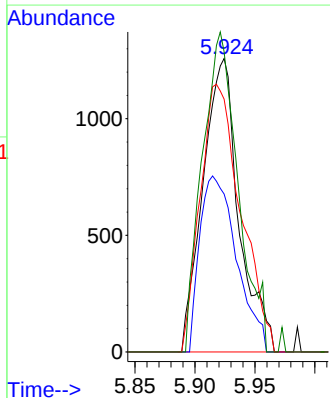
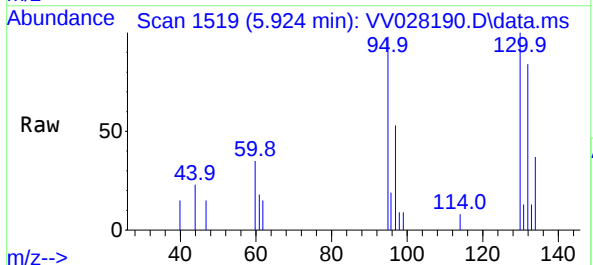
Tgt Ion: 78 Resp: 17774

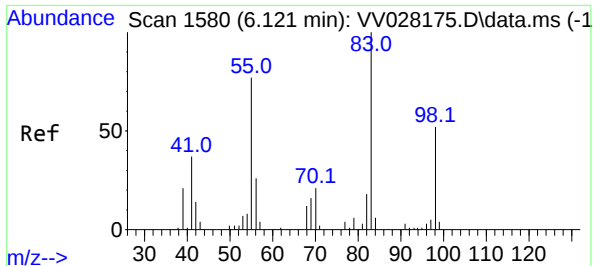


#34  
Trichloroethene  
Concen: 0.241 ug/L  
RT: 5.924 min Scan# 1519  
Delta R.T. 0.019 min  
Lab File: VV028190.D  
Acq: 29 Sep 2022 16:35

Tgt Ion: 95 Resp: 2616

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 45.2  | 44.2  | 82.0  |
| 132 | 72.3  | 67.8  | 126.0 |
| 130 | 85.9  | 68.8  | 127.8 |





#35

Methylcyclohexane

Concen: 1.118 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV028190.D

Acq: 29 Sep 2022 16:35

Instrument :

MSVOA\_V

ClientSampleId :

EXFS4

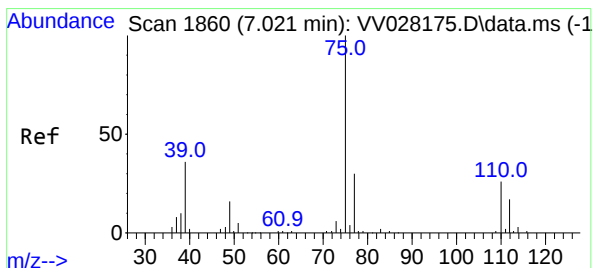
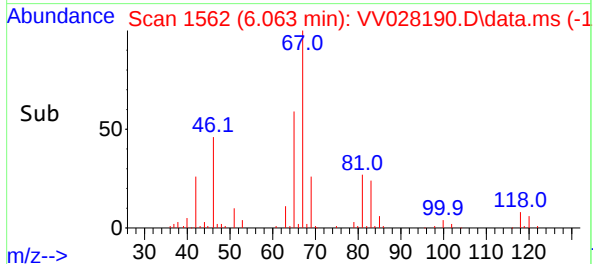
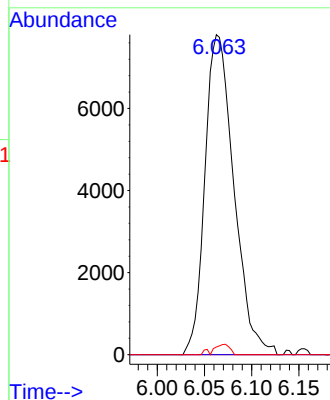
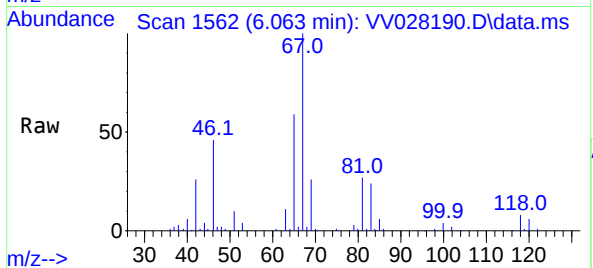
Tgt Ion: 83 Resp: 16629

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 0.3 39.5 59.3#



#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.035 min

Lab File: VV028190.D

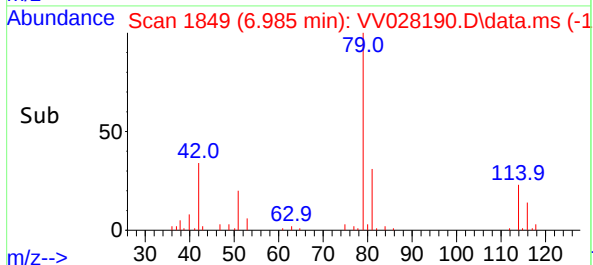
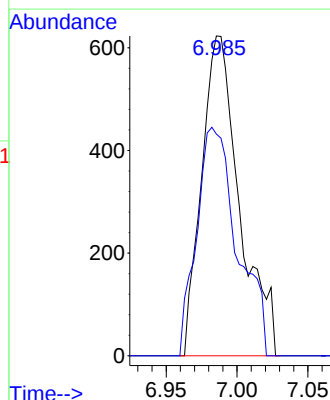
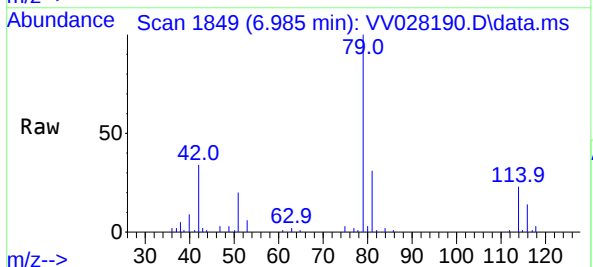
Acq: 29 Sep 2022 16:35

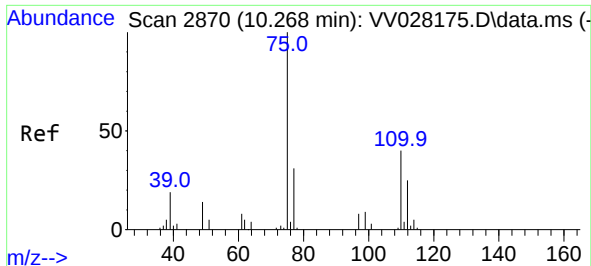
Tgt Ion: 75 Resp: 1160

Ion Ratio Lower Upper

75 100

77 69.3 22.4 41.6#





#61

1,2,3-Trichloropropane

Concen: 1.043 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.977 min

Lab File: VV028190.D

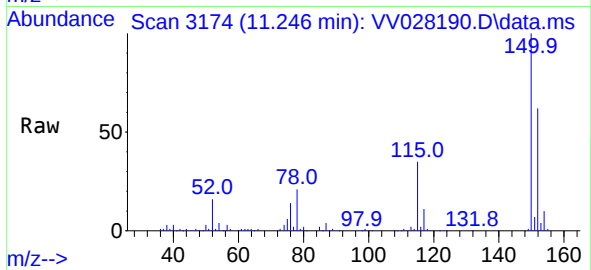
Acq: 29 Sep 2022 16:35

Instrument :

MSVOA\_V

ClientSampleId :

EXFS4



Tgt Ion: 75 Resp: 6754

Ion Ratio Lower Upper

75 100

77 39.0 26.7 40.1

110 3.0 30.1 45.1#

