

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW082322\  
 Data File : VW027485.D  
 Acq On : 23 Aug 2022 13:42  
 Operator : SY/MD  
 Sample : N4252-14DL 100X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EX9D5DL

Quant Time: Aug 24 02:12:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Aug 24 02:11:24 2022  
 Response via : Initial Calibration

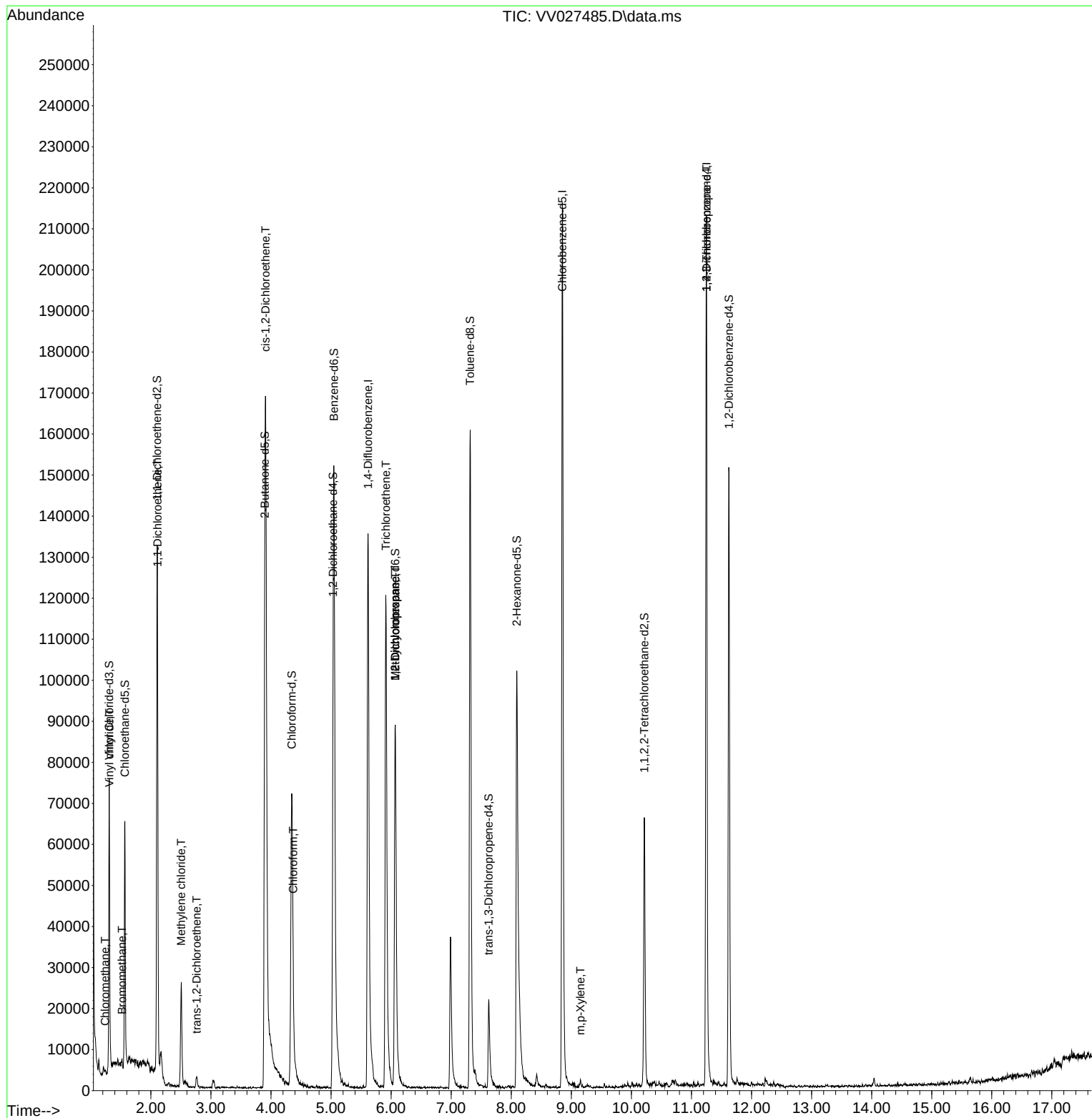
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 124756   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117            | 122859   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 55625    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 36386    | 4.098  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 82.000%  |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 36268    | 5.581  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 111.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63             | 68145    | 3.291  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 65.800%  |          |
| 20) 2-Butanone-d5             | 3.895  | 46             | 38776    | 35.092 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 70.180%  |          |
| 24) Chloroform-d              | 4.346  | 84             | 79354    | 4.470  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 33665    | 4.383  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 87.600%  |          |
| 32) Benzene-d6                | 5.047  | 84             | 143886   | 4.228  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 44468    | 4.495  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 89.800%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 115006   | 3.743  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 74.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 14159    | 4.180  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 83.600%  |          |
| 46) 2-Hexanone-d5             | 8.091  | 63             | 41018    | 36.784 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 73.560%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 31826    | 5.051  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 101.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 37997    | 4.608  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 92.200%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 3) Chloromethane              | 1.240  | 50             | 523      | 0.045  | ug/L     | 86       |
| 5) Vinyl chloride             | 1.310  | 62             | 14823    | 1.274  | ug/L     | 96       |
| 6) Bromomethane               | 1.519  | 94             | 589      | 0.102  | ug/L     | 88       |
| 12) 1,1-Dichloroethene        | 2.111  | 96             | 955      | 0.101  | ug/L #   | 1        |
| 16) Methylene chloride        | 2.503  | 84             | 9872     | 0.694  | ug/L     | 96       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96             | 947      | 0.097  | ug/L     | 83       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96             | 86006    | 8.299  | ug/L     | 94       |
| 25) Chloroform                | 4.368  | 83             | 2715     | 0.124  | ug/L     | 97       |
| 34) Trichloroethene           | 5.911  | 95             | 45353    | 4.219  | ug/L     | 99       |
| 35) Methylcyclohexane         | 6.069  | 83             | 10776    | 0.713  | ug/L #   | 15       |
| 37) 1,2-Dichloropropane       | 6.069  | 63             | 5368     | 0.493  | ug/L #   | 85       |
| 53) m,p-Xylene                | 9.152  | 106            | 503      | 0.031  | ug/L     | 81       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75             | 6428     | 1.317  | ug/L #   | 65       |
| -----                         |        |                |          |        |          |          |

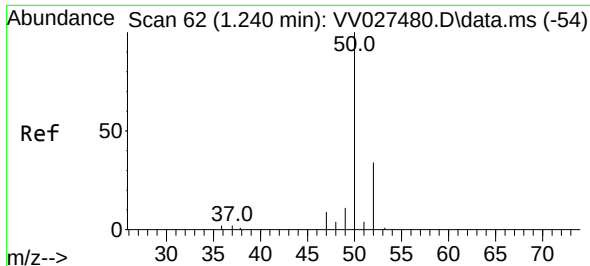
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082322\  
Data File : VV027485.D  
Acq On : 23 Aug 2022 13:42  
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Sample : N4252-14DL 100X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EX9D5DL

Quant Time: Aug 24 02:12:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Aug 24 02:11:24 2022  
Response via : Initial Calibration

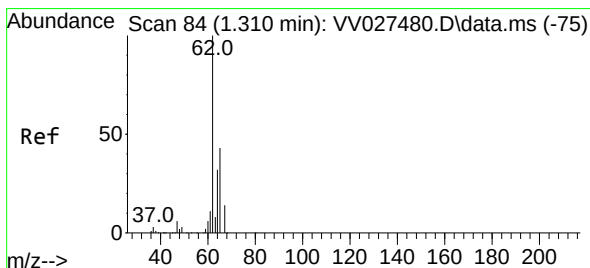
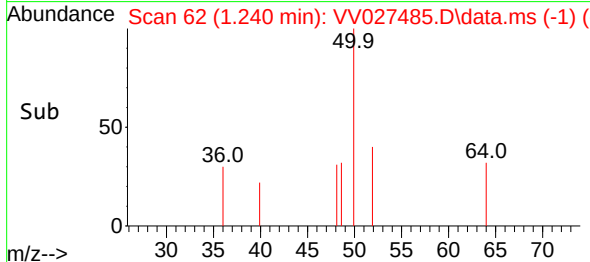
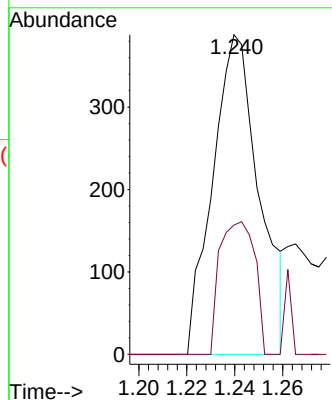
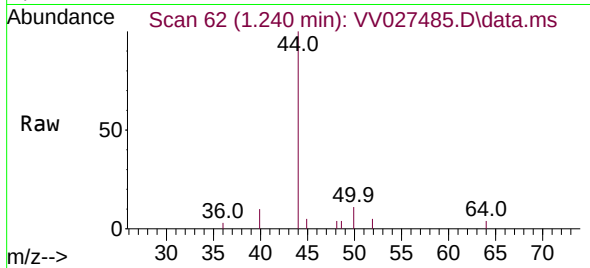




#3  
Chloromethane  
Concen: 0.045 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV027485.D  
Acq: 23 Aug 2022 13:42

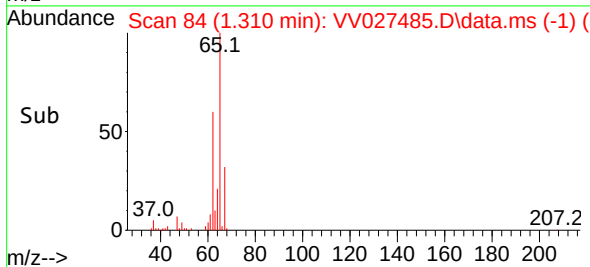
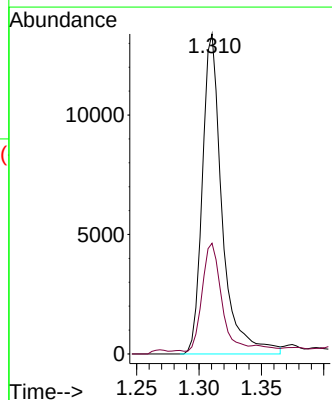
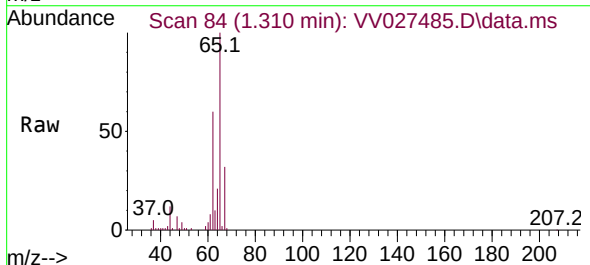
Instrument :  
MSVOA\_V  
ClientSampleId :  
EX9D5DL

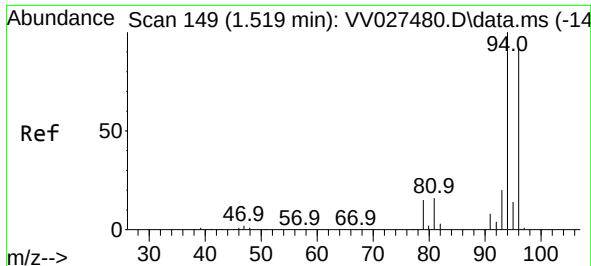
Tgt Ion: 50 Resp: 523  
Ion Ratio Lower Upper  
50 100  
52 40.5 22.8 42.4



#5  
Vinyl chloride  
Concen: 1.274 ug/L  
RT: 1.310 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VV027485.D  
Acq: 23 Aug 2022 13:42

Tgt Ion: 62 Resp: 14823  
Ion Ratio Lower Upper  
62 100  
64 34.6 22.6 42.0

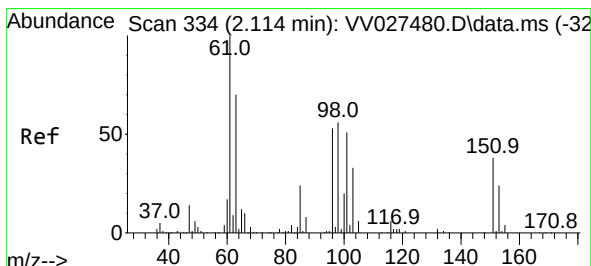
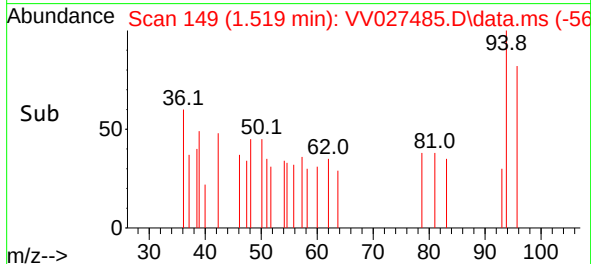
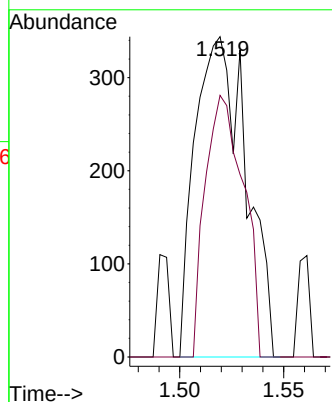
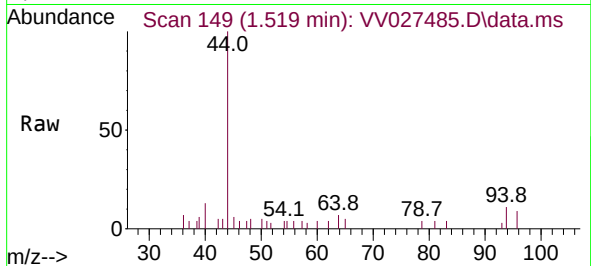




#6  
Bromomethane  
Concen: 0.102 ug/L  
RT: 1.519 min Scan# 149  
Delta R.T. -0.000 min  
Lab File: VV027485.D  
Acq: 23 Aug 2022 13:42

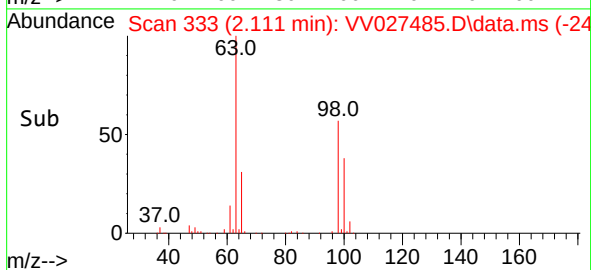
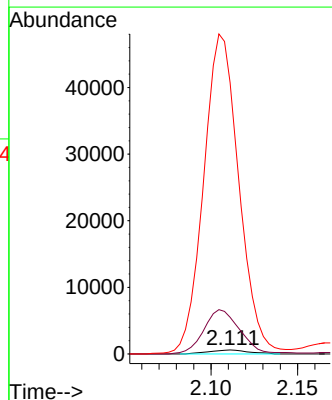
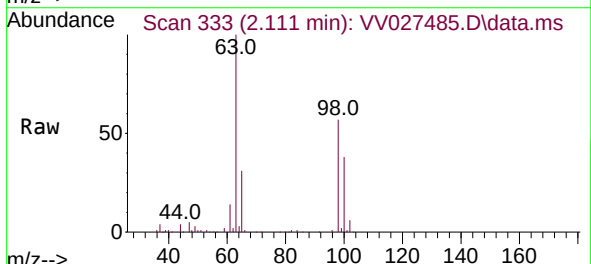
Instrument :  
MSVOA\_V  
ClientSampleId :  
EX9D5DL

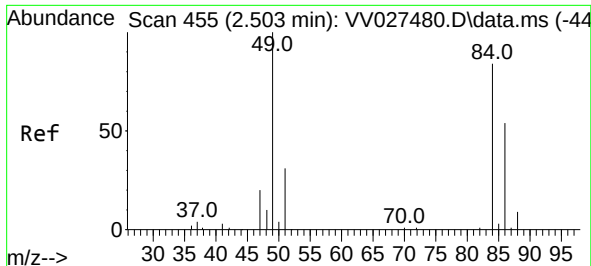
Tgt Ion: 94 Resp: 589  
Ion Ratio Lower Upper  
94 100  
96 81.7 65.2 121.0



#12  
1,1-Dichloroethene  
Concen: 0.101 ug/L  
RT: 2.111 min Scan# 333  
Delta R.T. -0.003 min  
Lab File: VV027485.D  
Acq: 23 Aug 2022 13:42

Tgt Ion: 96 Resp: 955  
Ion Ratio Lower Upper  
96 100  
61 920.2 130.2 241.8#  
63 6795.3 87.4 162.4#

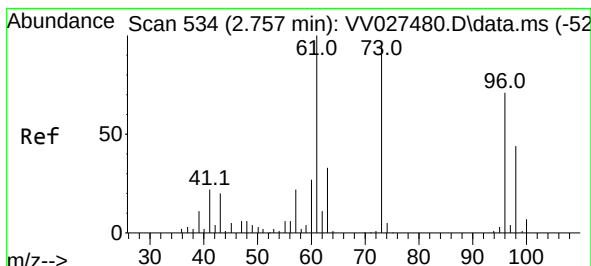
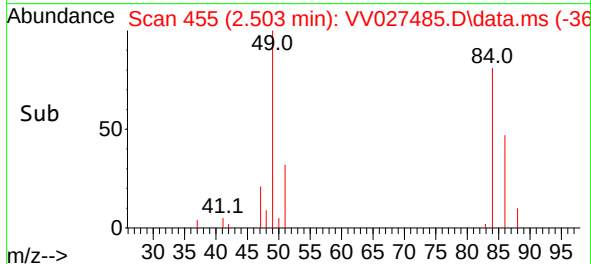
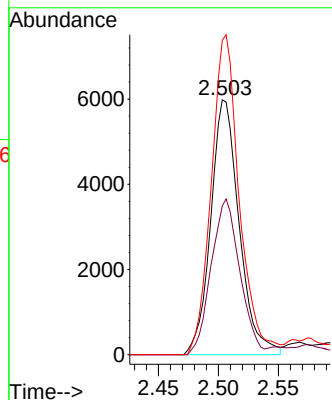
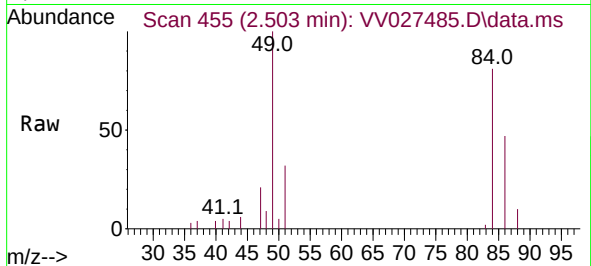




#16  
Methylene chloride  
Concen: 0.694 ug/L  
RT: 2.503 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VV027485.D  
Acq: 23 Aug 2022 13:42

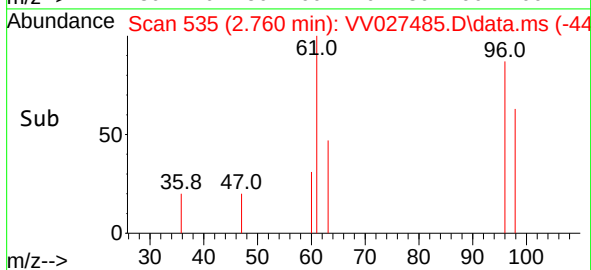
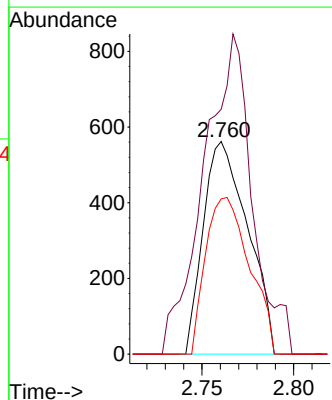
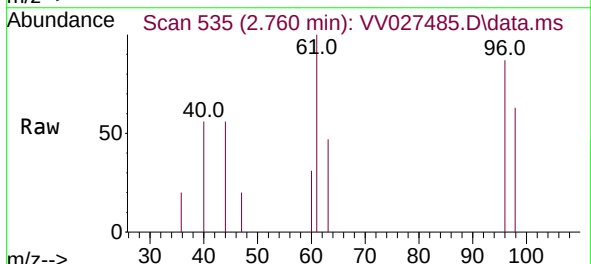
Instrument :  
MSVOA\_V  
ClientSampleId :  
EX9D5DL

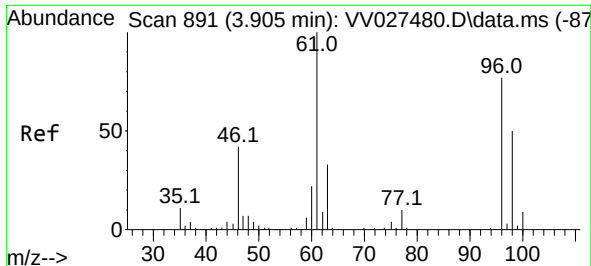
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 84 | Resp: | 9872  |       |
| Ion         | Ratio | Lower | Upper |
| 84          | 100   |       |       |
| 86          | 58.4  | 44.0  | 81.6  |
| 49          | 123.2 | 89.4  | 166.0 |



#18  
trans-1,2-Dichloroethene  
Concen: 0.097 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.003 min  
Lab File: VV027485.D  
Acq: 23 Aug 2022 13:42

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 96 | Resp: | 947   |       |
| Ion         | Ratio | Lower | Upper |
| 96          | 100   |       |       |
| 61          | 115.1 | 97.6  | 181.4 |
| 98          | 73.0  | 45.9  | 85.3  |





#22

cis-1,2-Dichloroethene

Concen: 8.299 ug/L

RT: 3.908 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV027485.D

Acq: 23 Aug 2022 13:42

Instrument :

MSVOA\_V

ClientSampleId :

EX9D5DL

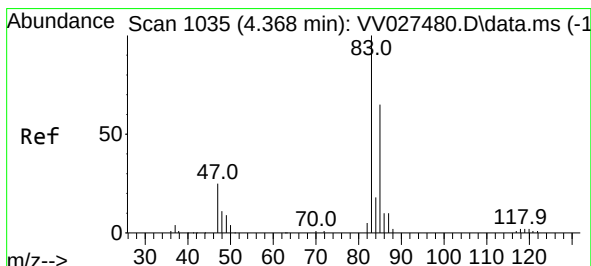
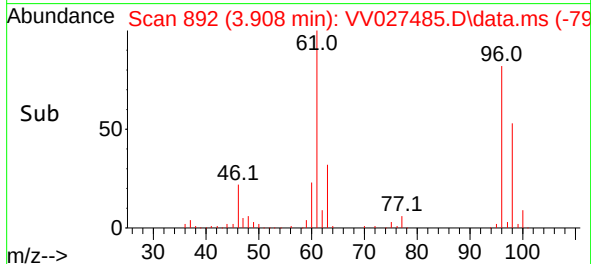
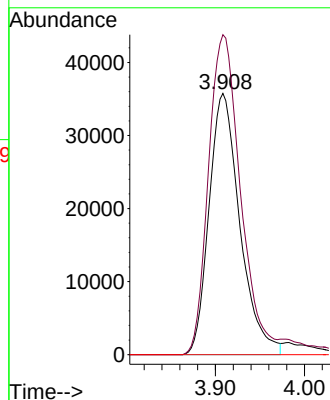
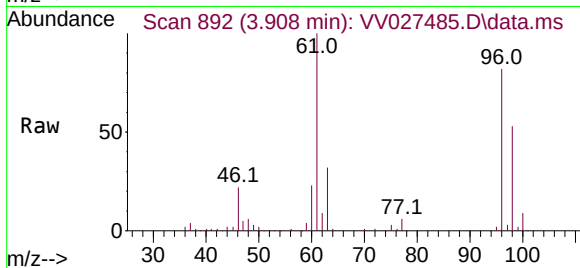
Tgt Ion: 96 Resp: 86006

Ion Ratio Lower Upper

96 100

61 122.5 90.6 168.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.124 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VV027485.D

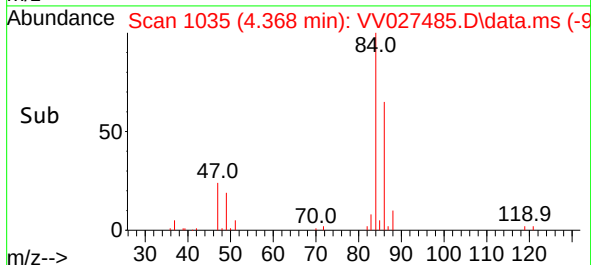
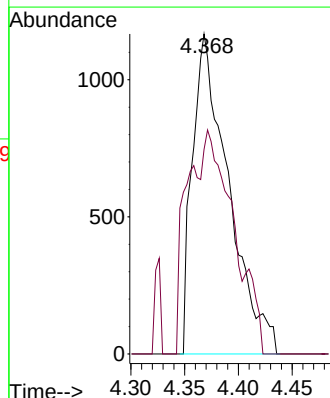
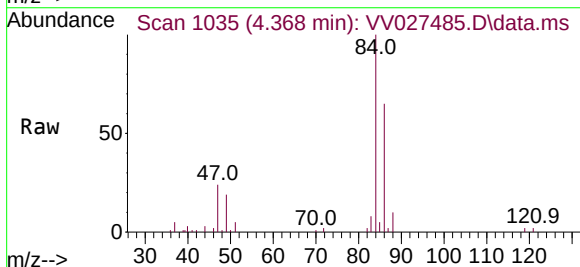
Acq: 23 Aug 2022 13:42

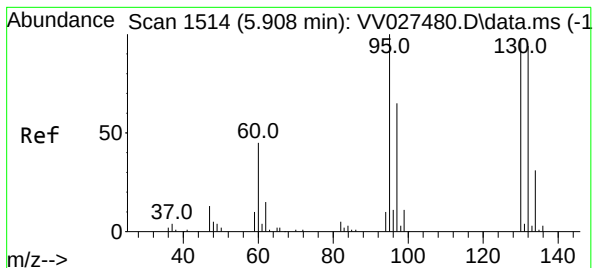
Tgt Ion: 83 Resp: 2715

Ion Ratio Lower Upper

83 100

85 63.9 43.3 80.5





#34

Trichloroethene

Concen: 4.219 ug/L

RT: 5.911 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027485.D

Acq: 23 Aug 2022 13:42

Instrument :

MSVOA\_V

ClientSampleId :

EX9D5DL

Tgt Ion: 95 Resp: 45353

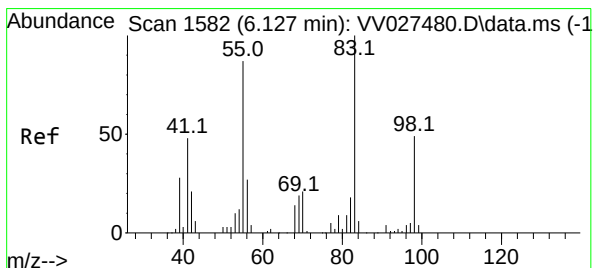
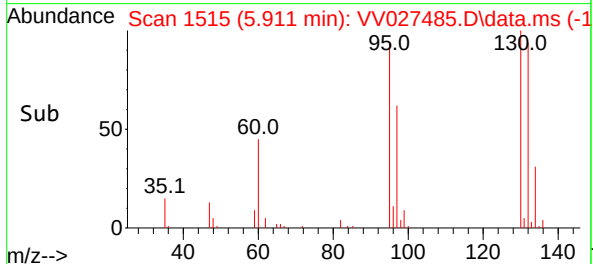
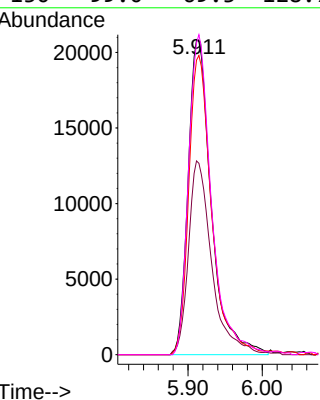
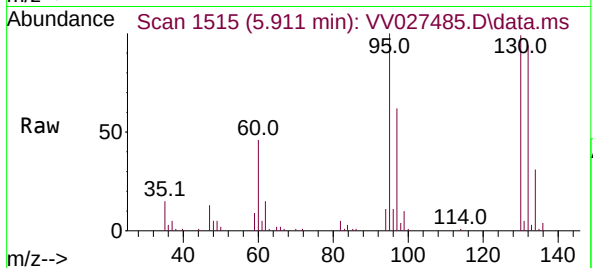
Ion Ratio Lower Upper

95 100

97 61.5 45.0 83.6

132 93.5 65.7 121.9

130 99.0 69.3 128.7



#35

Methylcyclohexane

Concen: 0.713 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV027485.D

Acq: 23 Aug 2022 13:42

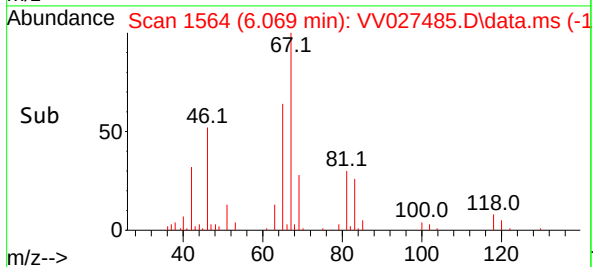
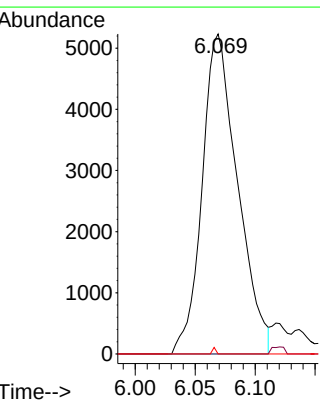
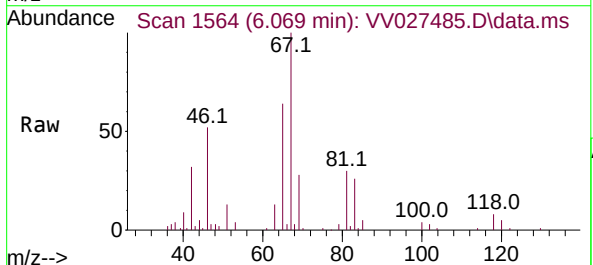
Tgt Ion: 83 Resp: 10776

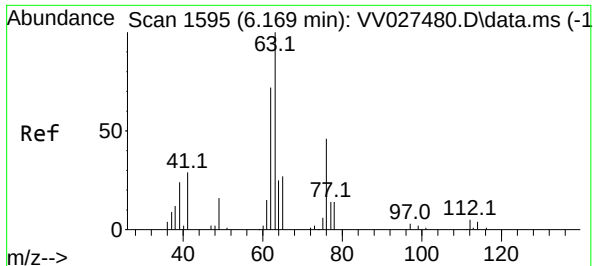
Ion Ratio Lower Upper

83 100

55 0.8 68.2 102.4#

98 0.0 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.493 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV027485.D

Acq: 23 Aug 2022 13:42

Instrument :

MSVOA\_V

ClientSampleId :

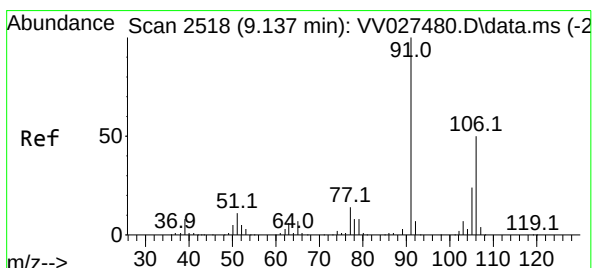
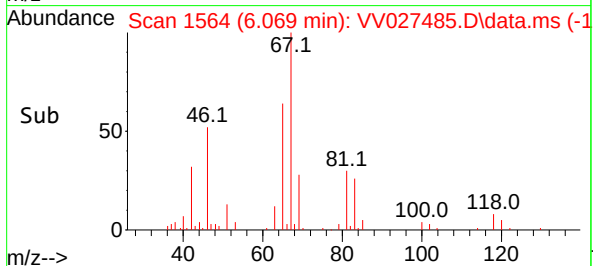
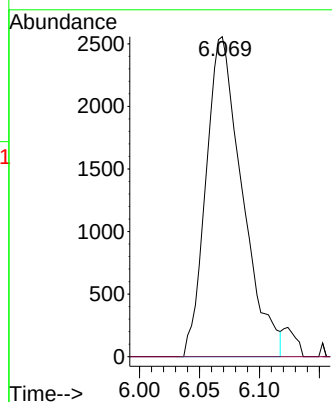
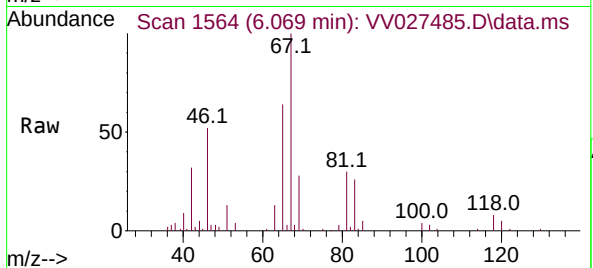
EX9D5DL

Tgt Ion: 63 Resp: 5368

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#53

m,p-Xylene

Concen: 0.031 ug/L

RT: 9.152 min Scan# 2523

Delta R.T. 0.016 min

Lab File: VV027485.D

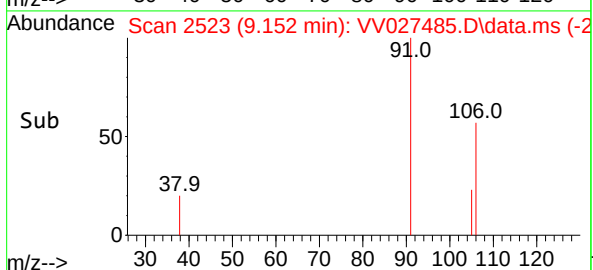
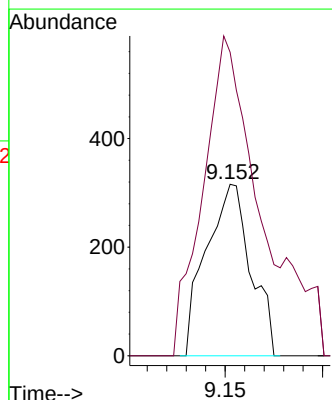
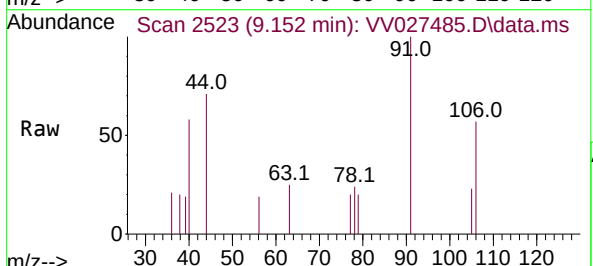
Acq: 23 Aug 2022 13:42

Tgt Ion: 106 Resp: 503

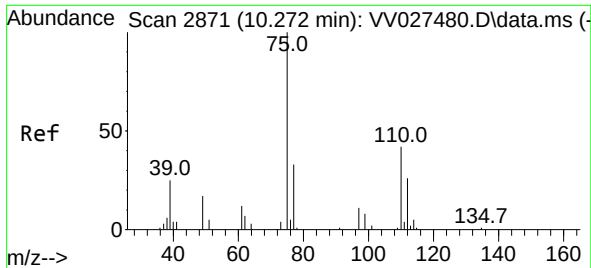
Ion Ratio Lower Upper

106 100

91 176.9 143.8 267.0







#61

1,2,3-Trichloropropane

Concen: 1.317 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.977 min

Lab File: VV027485.D

Acq: 23 Aug 2022 13:42

Instrument :

MSVOA\_V

ClientSampleId :

EX9D5DL

Tgt Ion: 75 Resp: 6428

Ion Ratio Lower Upper

75 100

77 37.5 26.2 39.2

110 2.8 29.9 44.9#

