

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\  
 Data File : VL038090.D  
 Acq On : 19 Nov 2021 18:10  
 Operator : SY/AP  
 Sample : M4751-02DL2 1200X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVP-2DL2

Quant Time: Nov 26 00:25:52 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Nov 18 13:16:09 2021  
 QLast Update : Thu Nov 18 13:16:09 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 791304   | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.14  | 114  | 2208400  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.05 | 117  | 1836500  | 10.00 | ppbv  | -0.03    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.38  | 95    | 1379670  | 10.42    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.20% |

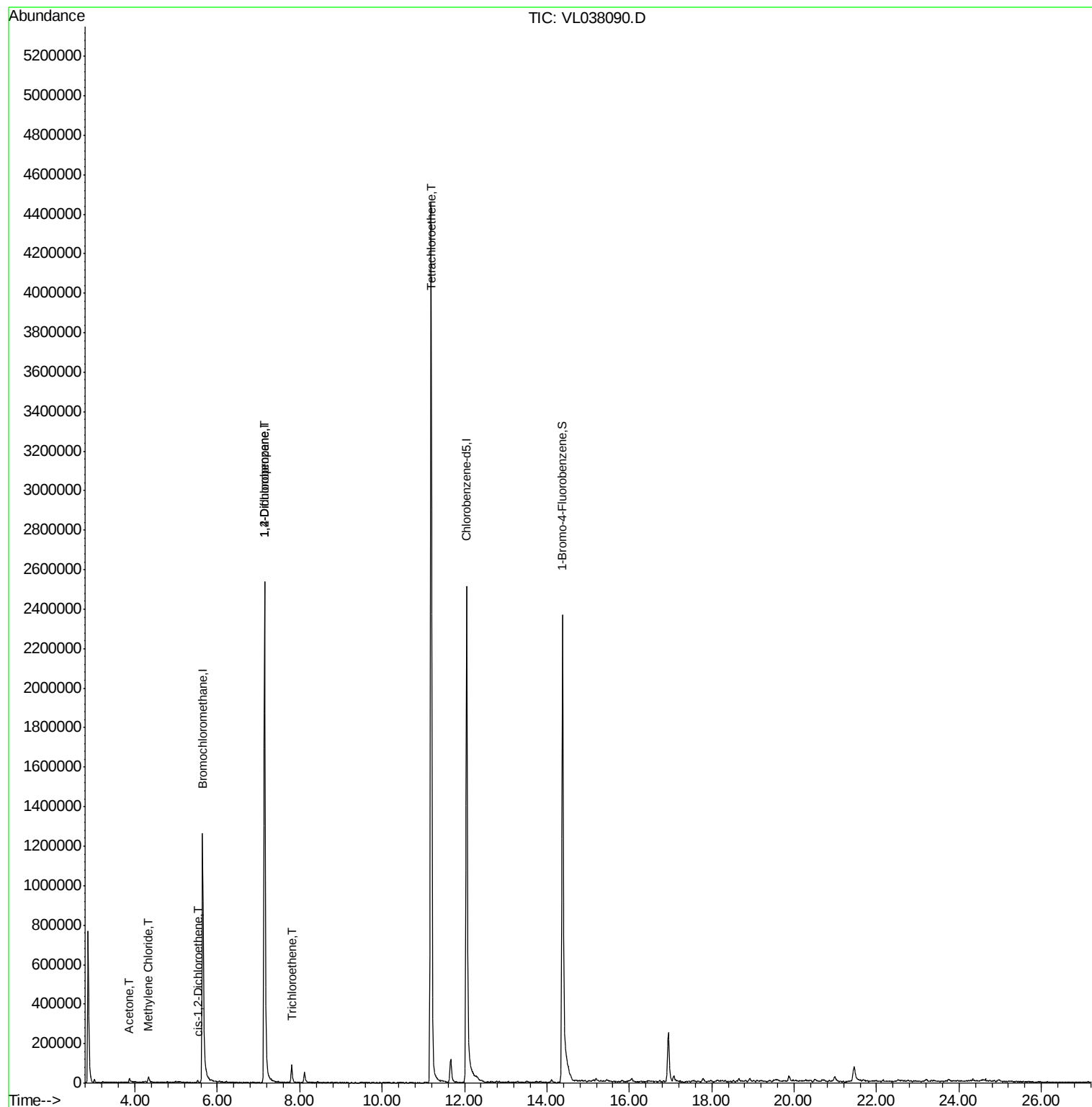
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 15) Acetone                | 3.86  | 43   | 11794    | 0.172  | ppbv # | 20     |
| 20) Methylene Chloride     | 4.33  | 84   | 10369    | 0.270  | ppbv   | 95     |
| 31) cis-1,2-Dichloroethene | 5.53  | 61   | 4788     | 0.046  | ppbv # | 86     |
| 38) Trichloroethene        | 7.80  | 130  | 17454    | 0.210  | ppbv # | 83     |
| 39) 1,2-Dichloropropane    | 7.15  | 63   | 551649   | 6.528  | ppbv # | 27     |
| 52) Tetrachloroethene      | 11.19 | 164  | 1201079  | 14.735 | ppbv   | 95     |

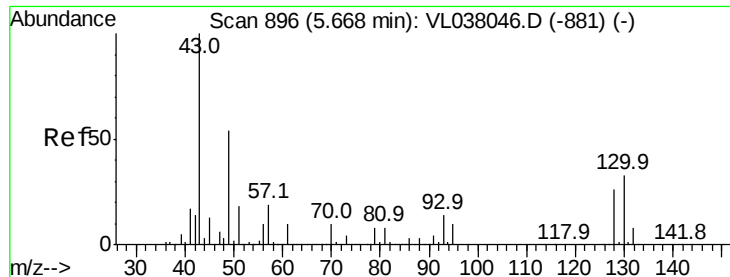
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111921\  
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Sample : M4751-02DL2 1200X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SVP-2DL2

Quant Time: Nov 26 00:25:52 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Nov 18 13:16:09 2021  
QLast Update : Thu Nov 18 13:16:09 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: SVP-2DL2

Acq: 19 Nov 2021 18:10

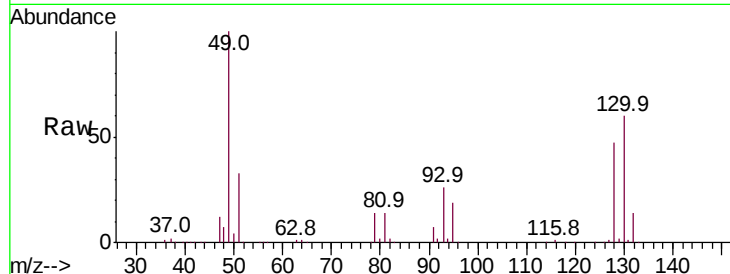
Tot Ion: 49 Resp: 791304

Ion Ratio Lower Upper

49 100

128 50.1 26.5 79.5

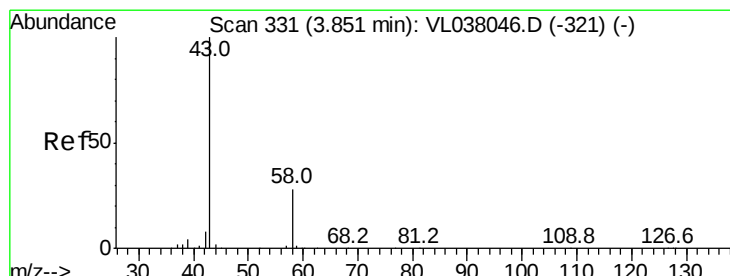
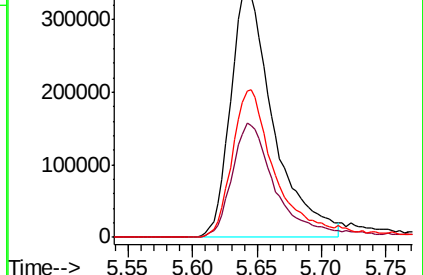
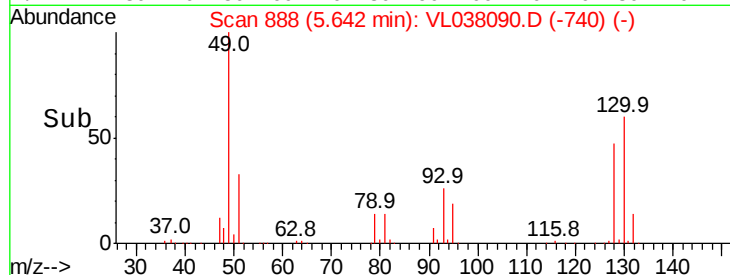
130 63.3 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.172 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL038090.D

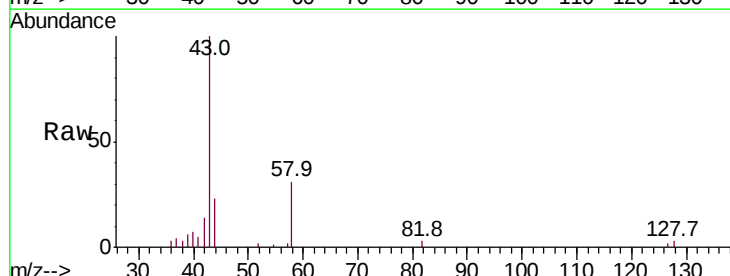
Acq: 19 Nov 2021 18:10

Tgt Ion: 43 Resp: 11794

Ion Ratio Lower Upper

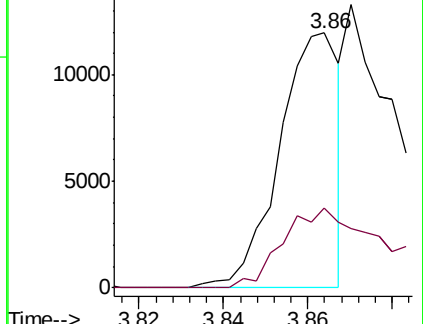
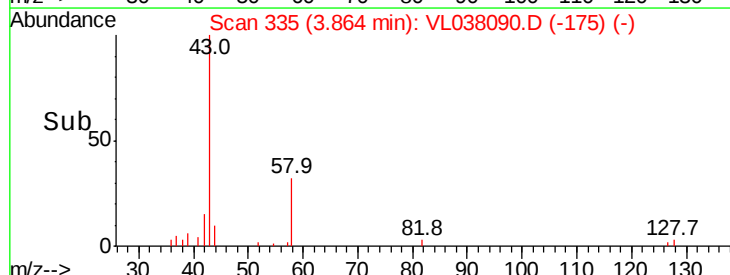
43 100

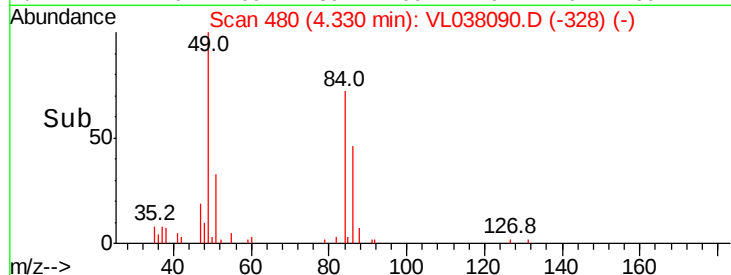
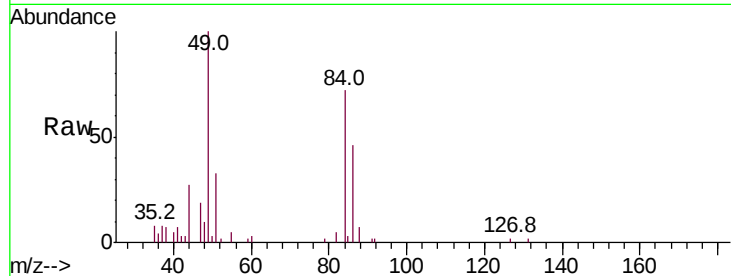
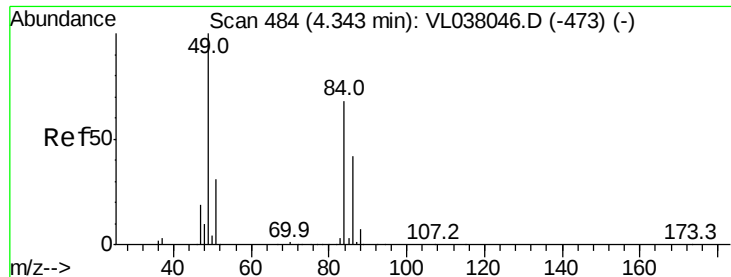
58 69.9 22.4 33.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

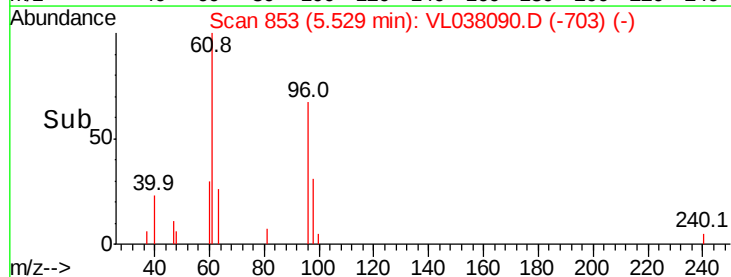
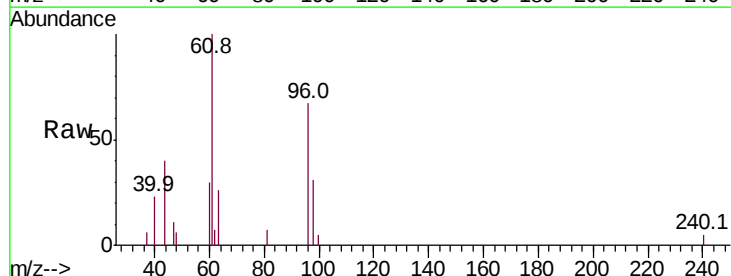
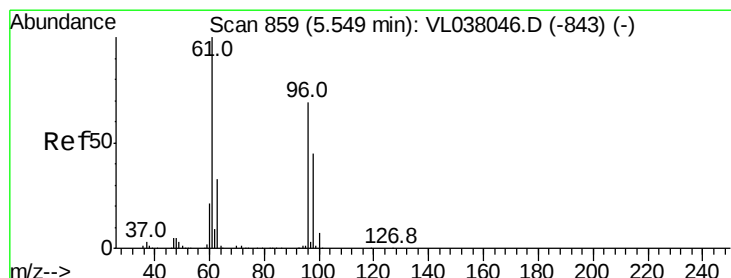
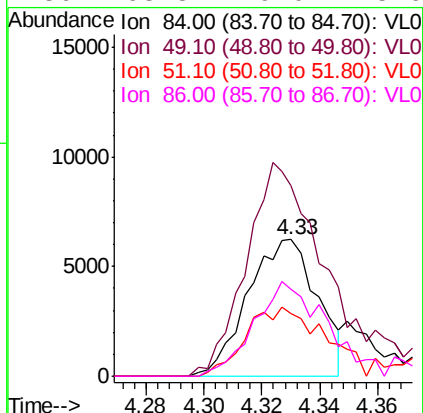
Ion 58.10 (57.80 to 58.80): VL0





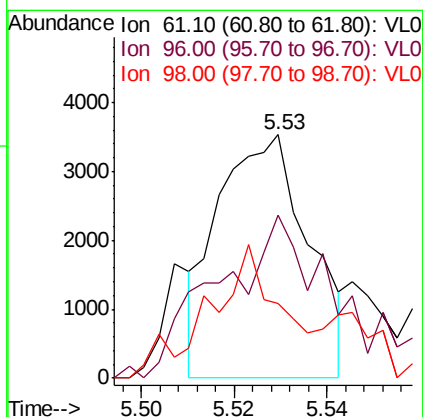
#20  
Methylene Chloride  
Concen: 0.270 ppbv  
RT: 4.33  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SVP-2DL2  
Acq: 19 Nov 2021 18:10

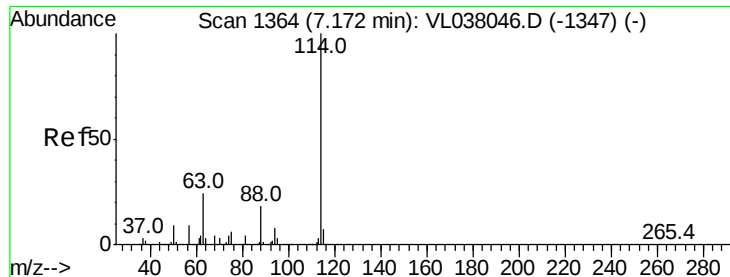
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 10369 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 139.6 | 118.2 | 177.2 |
| 51       | 45.5  | 36.8  | 55.2  |
| 86       | 63.8  | 49.0  | 73.6  |



#31  
cis-1,2-Dichloroethene  
Concen: 0.046 ppbv  
RT: 5.53 min Scan# 853  
Delta R.T. -0.02 min  
Lab File: VL038090.D  
Acq: 19 Nov 2021 18:10

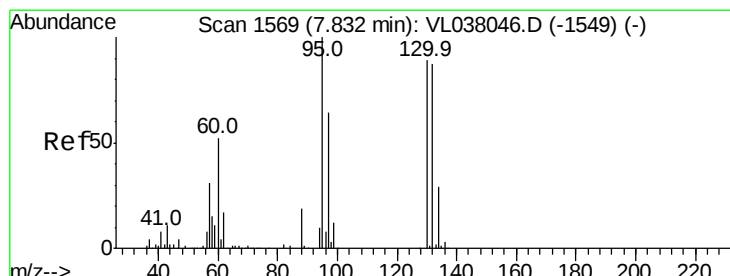
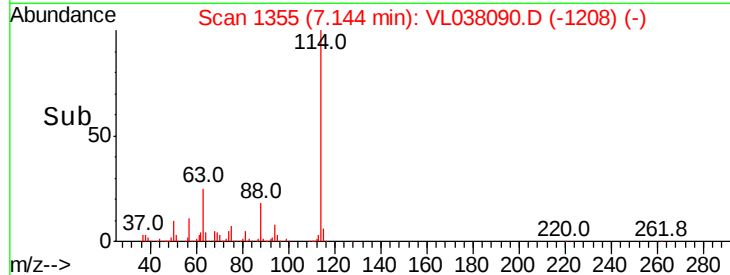
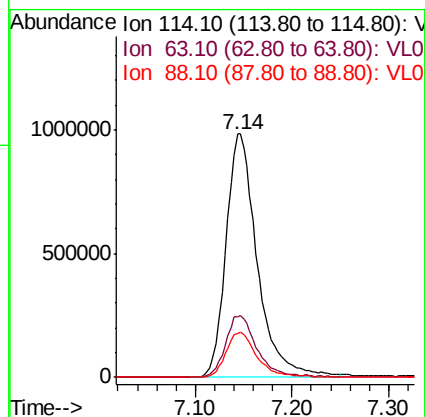
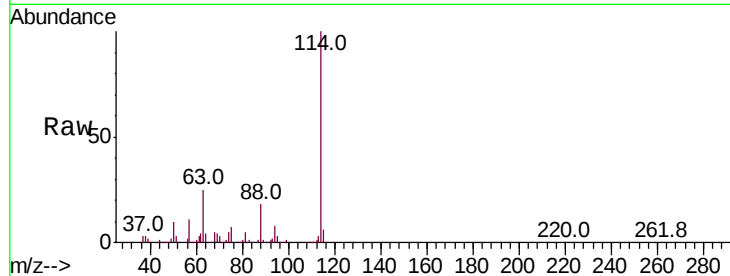
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 4788  |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 63.9  | 55.4  | 83.2  |
| 98       | 28.5  | 35.7  | 53.5# |





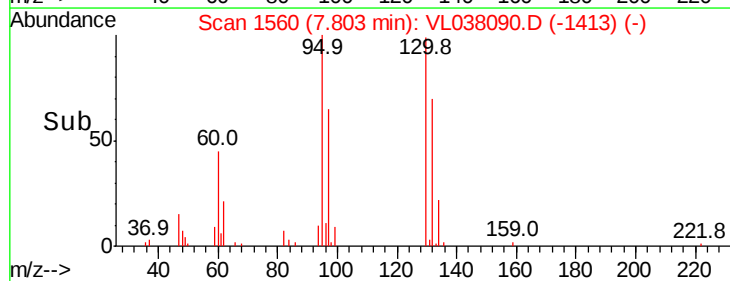
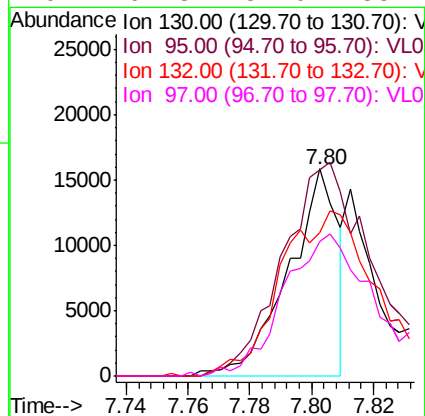
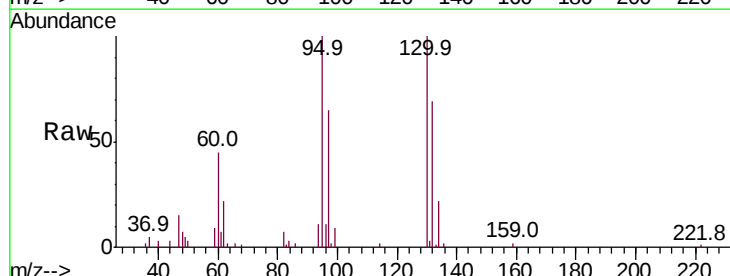
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.14  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 SVP-2DL2  
 Acq: 19 Nov 2021 18:10

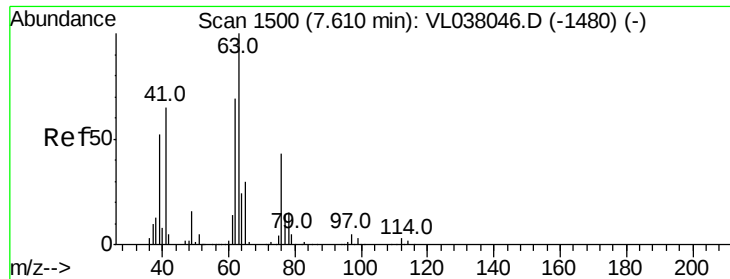
Tot Ion:114 Resp: 2208400  
 Ion Ratio Lower Upper  
 114 100  
 63 25.9 19.7 29.5  
 88 18.5 14.4 21.6



#38  
 Trichloroethene  
 Concen: 0.210 ppbv  
 RT: 7.80 min Scan# 1560  
 Delta R.T. -0.03 min  
 Lab File: VL038090.D  
 Acq: 19 Nov 2021 18:10

Tgt Ion:130 Resp: 17454  
 Ion Ratio Lower Upper  
 130 100  
 95 99.8 89.4 134.2  
 132 69.5 78.2 117.2#  
 97 62.8 57.0 85.4





#39

1,2-Dichloropropane

Concen: 6.528 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

SVP-2DL2

Acq: 19 Nov 2021 18:10

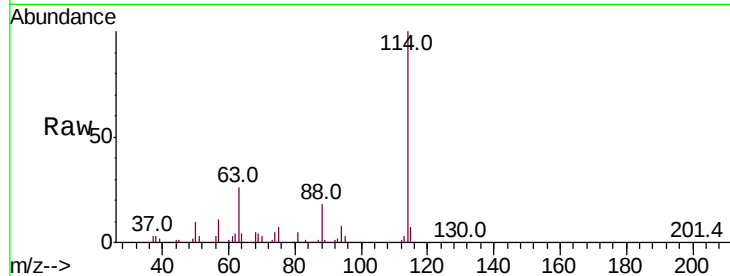
Tot Ion: 63 Resp: 551649

Ion Ratio Lower Upper

63 100

41 0.1 52.3 78.5#

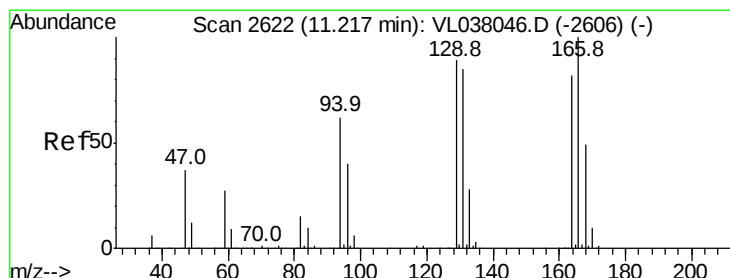
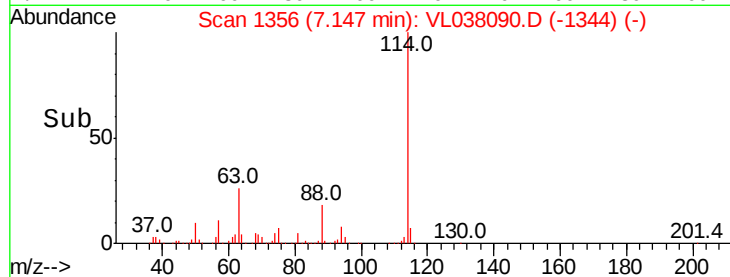
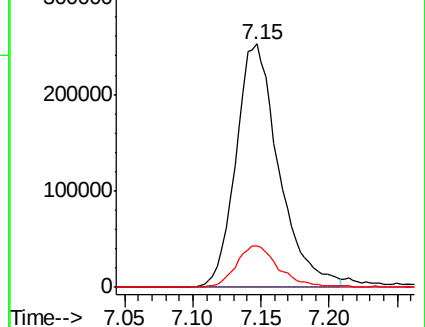
62 16.9 55.1 82.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 14.735 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.03 min

Lab File: VL038090.D

Acq: 19 Nov 2021 18:10

Tgt Ion:164 Resp: 1201079

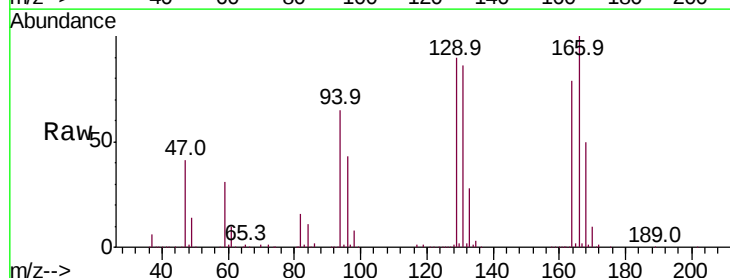
Ion Ratio Lower Upper

164 100

166 126.5 97.2 145.8

129 114.0 86.9 130.3

131 108.7 82.8 124.2

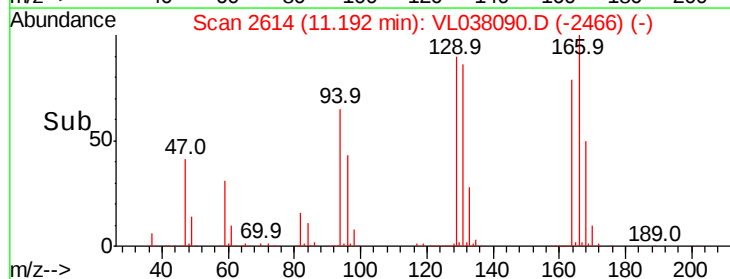
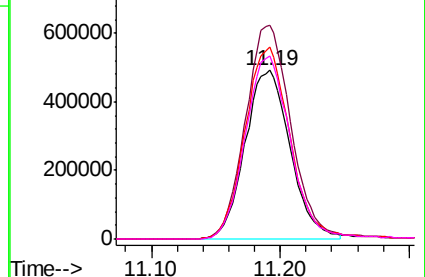


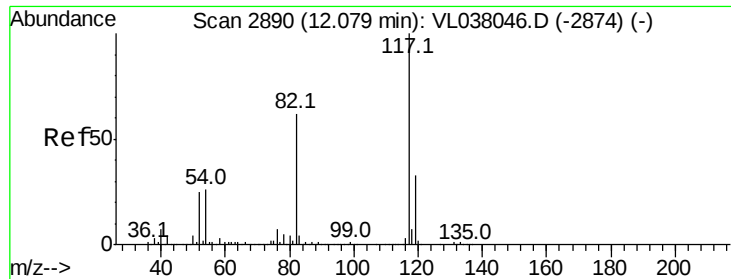
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

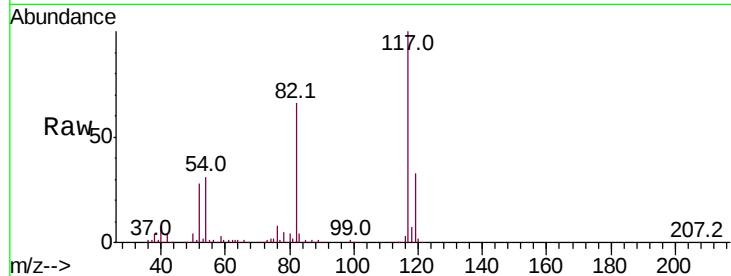
Ion 131.00 (130.70 to 131.70): V



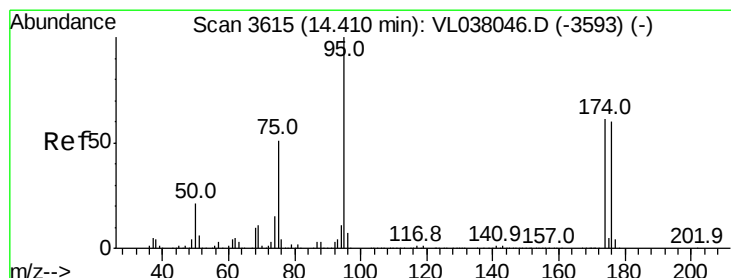
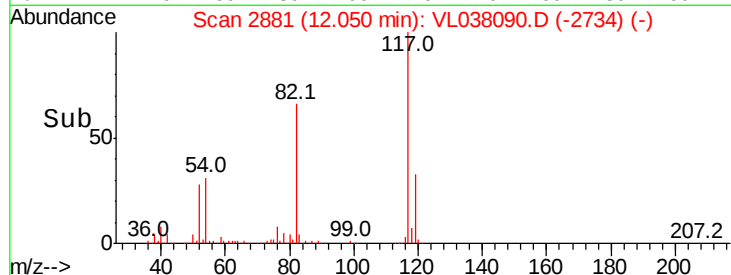
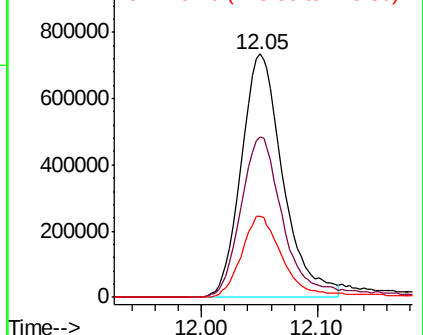


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.05  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
SVP-2DL2  
Acq: 19 Nov 2021 18:10

Tot Ion:117 Resp: 1836500  
Ion Ratio Lower Upper  
117 100  
82 71.4 52.8 79.2  
119 34.8 26.8 40.2

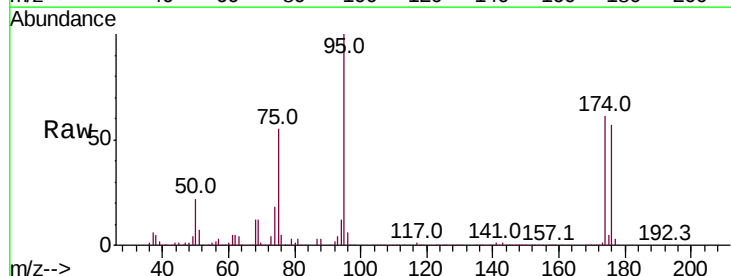


Abundance Ion 117.10 (116.80 to 117.80): V  
1000000 Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.415 ppbv  
RT: 14.38 min Scan# 3606  
Delta R.T. -0.03 min  
Lab File: VL038090.D  
Acq: 19 Nov 2021 18:10

Tgt Ion: 95 Resp: 1379670  
Ion Ratio Lower Upper  
95 100  
174 64.9 53.1 79.7  
175 4.8 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

