

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\  
 Data File : VL038505.D  
 Acq On : 3 Mar 2022 5:55  
 Operator : SY/AP  
 Sample : N1754-03DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Mar 03 06:54:40 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
 QLast Update : Tue Feb 22 19:45:51 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 816817   | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 1866451  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 1629694  | 10.00 | ppbv  | 0.03     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 1349151  | 10.01    | ppbv | 0.03    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.10% |

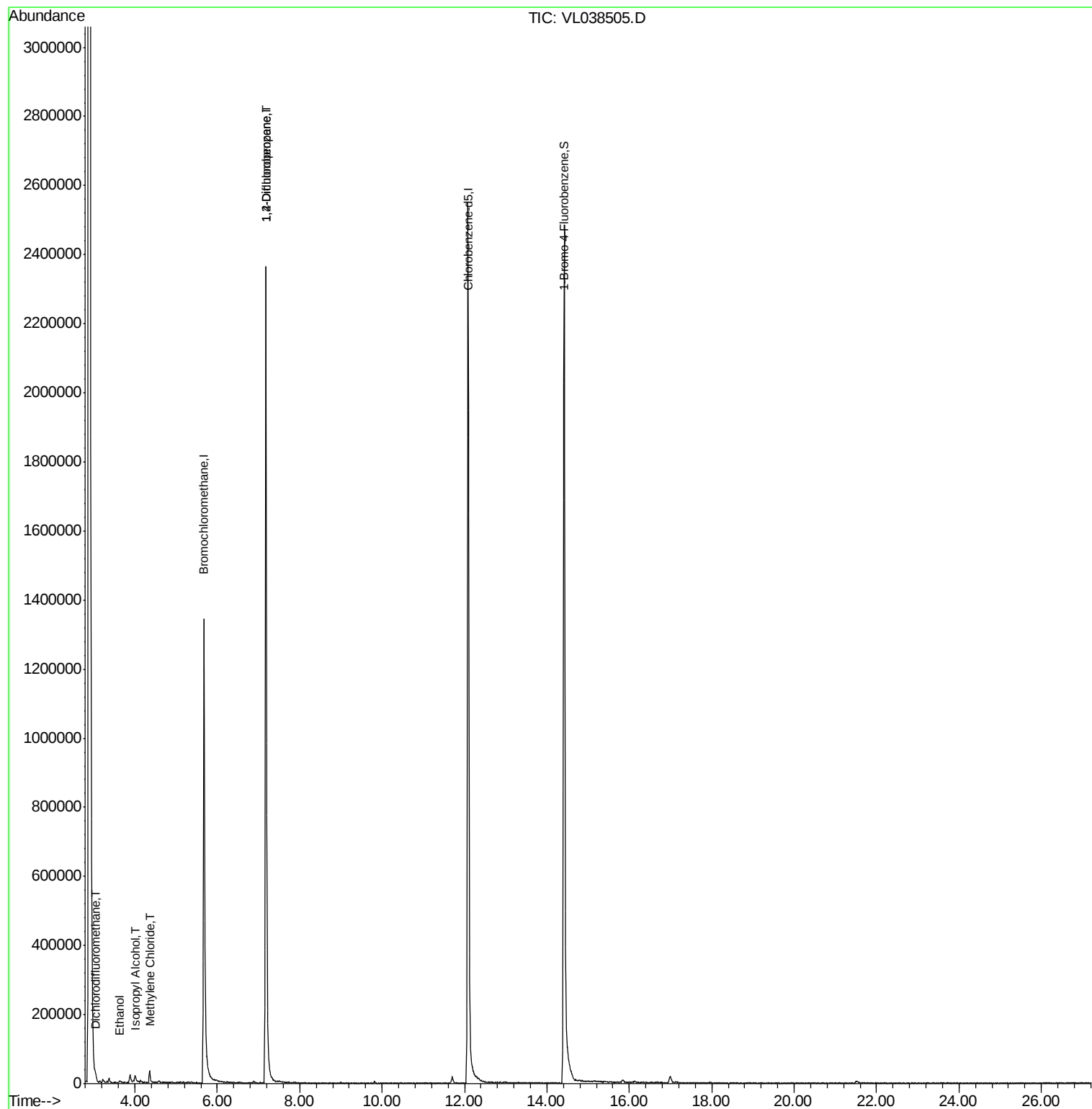
| Target Compounds           | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane | 3.06 | 85   | 8546     | 0.066 | ppbv   | 92     |
| 13) Ethanol                | 3.63 | 45   | 3500     | 0.736 | ppbv   | 67     |
| 19) Isopropyl Alcohol      | 4.00 | 45   | 26777    | 0.666 | ppbv # | 85     |
| 20) Methylene Chloride     | 4.36 | 84   | 8042     | 0.234 | ppbv   | 83     |
| 39) 1,2-Dichloropropane    | 7.18 | 63   | 516488   | 7.892 | ppbv # | 24     |

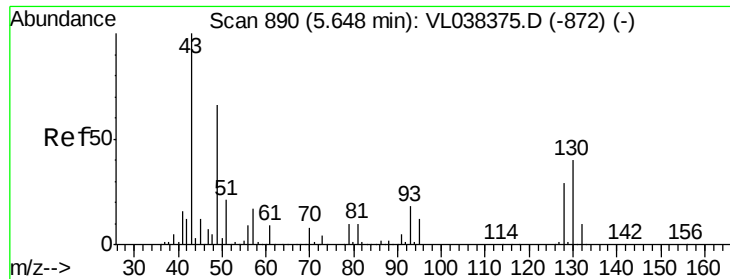
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\  
Data File : VL038505.D  
Acq On : 3 Mar 2022 5:55  
Operator : SY/AP  
Sample : N1754-03DL 10X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Mar 03 06:54:40 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 19:45:51 2022  
QLast Update : Tue Feb 22 19:45:51 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 5:55

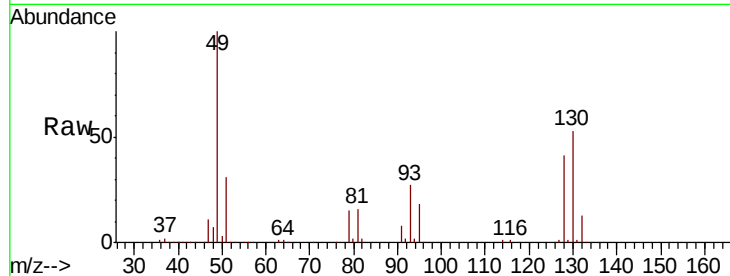
Tot Ion: 49 Resp: 816817

Ion Ratio Lower Upper

49 100

128 45.9 24.3 72.9

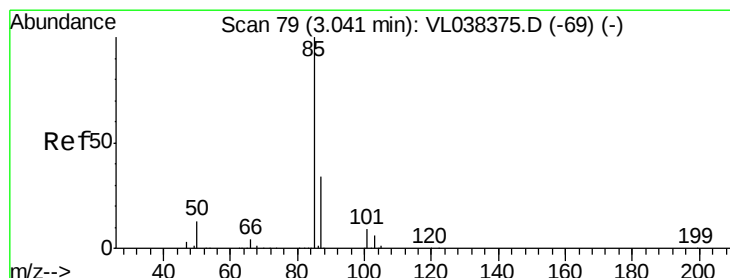
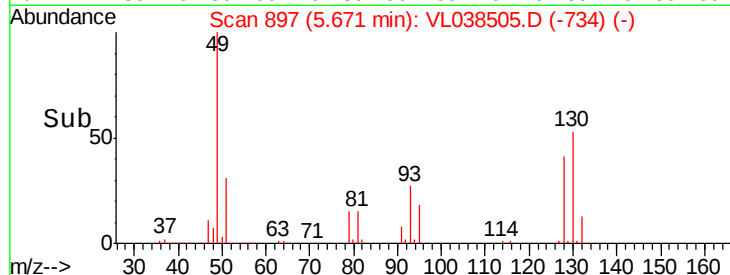
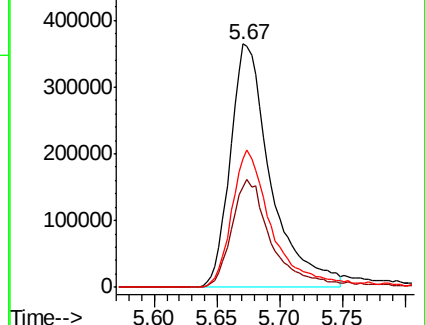
130 58.4 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.066 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL038505.D

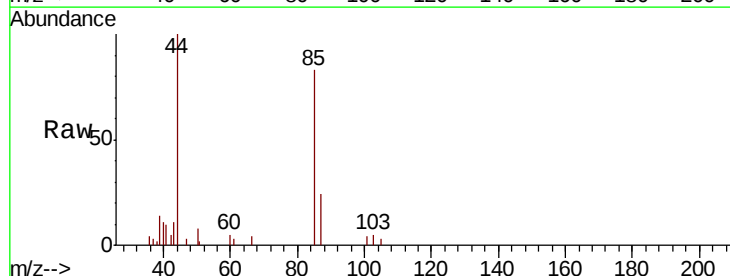
Acq: 3 Mar 2022 5:55

Tgt Ion: 85 Resp: 8546

Ion Ratio Lower Upper

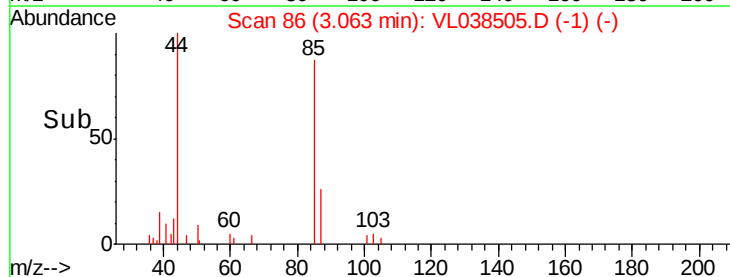
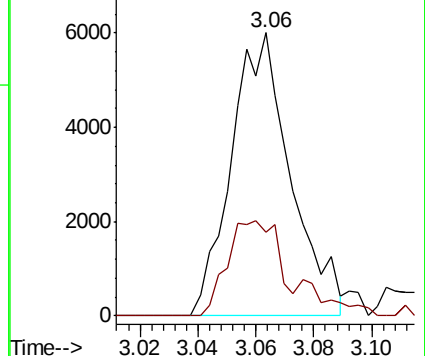
85 100

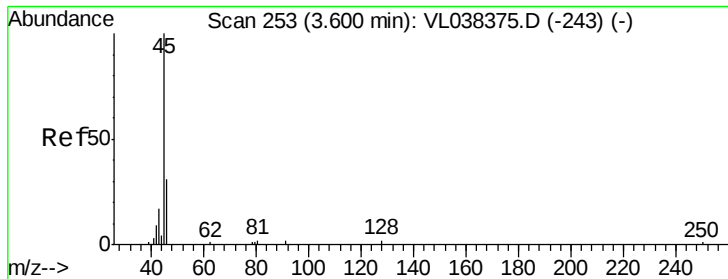
87 29.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

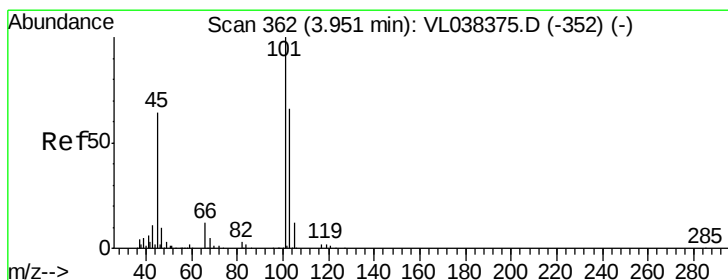
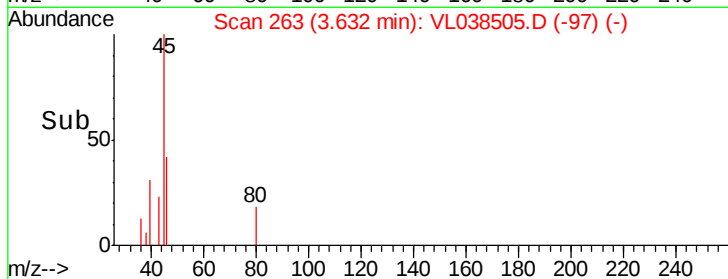
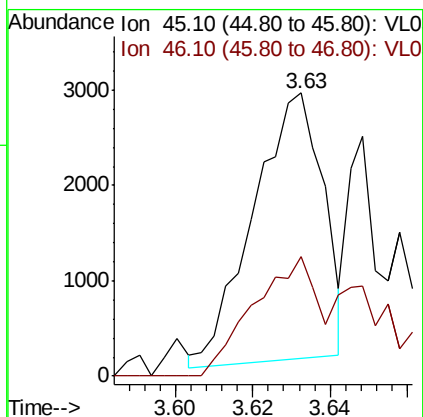
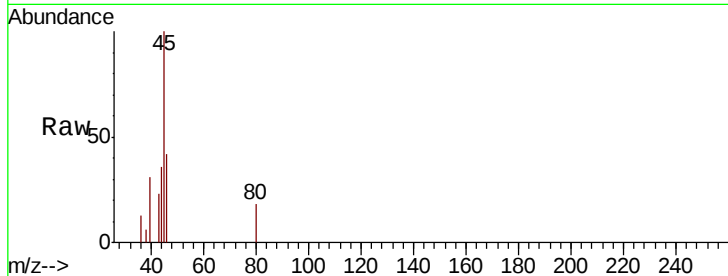
Ion 87.00 (86.70 to 87.70): VL0





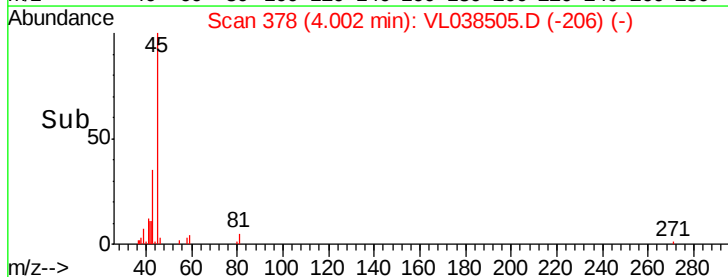
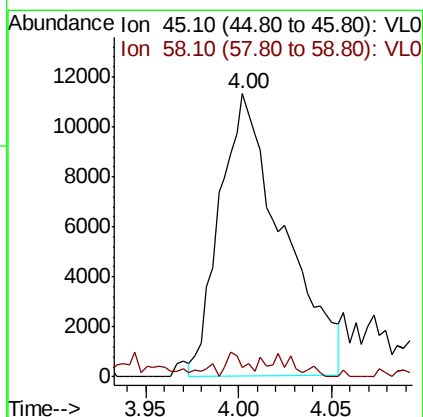
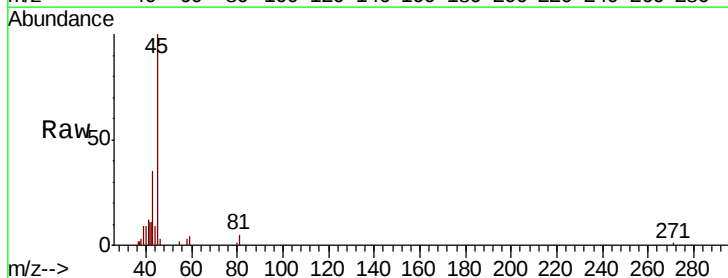
#13  
Ethanol  
Concen: 0.736 ppbv  
RT: 3.63  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
Acq: 3 Mar 2022 5:55

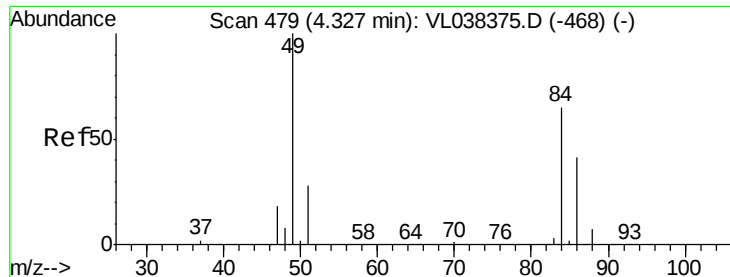
Tot Ion: 45 Resp: 3500  
Ion Ratio Lower Upper  
45 100  
46 67.1 18.2 72.8



#19  
Isopropyl Alcohol  
Concen: 0.666 ppbv  
RT: 4.00 min Scan# 378  
Delta R.T. 0.05 min  
Lab File: VL038505.D  
Acq: 3 Mar 2022 5:55

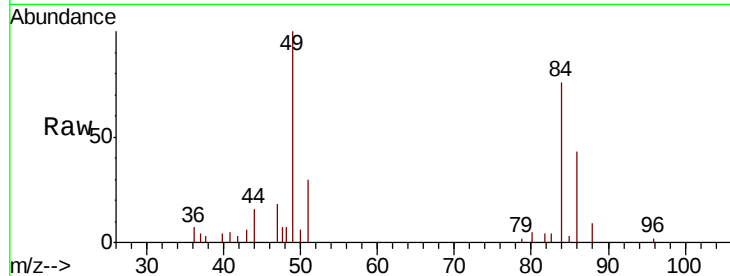
Tgt Ion: 45 Resp: 26777  
Ion Ratio Lower Upper  
45 100  
58 7.6 1.8 2.8#





#20  
Methylene Chloride  
Concen: 0.234 ppbv  
RT: 4.36 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 3 Mar 2022 5:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 8042  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.4 | 122.4 | 183.6 |
| 51       | 37.2  | 33.3  | 49.9  |
| 86       | 58.3  | 50.7  | 76.1  |



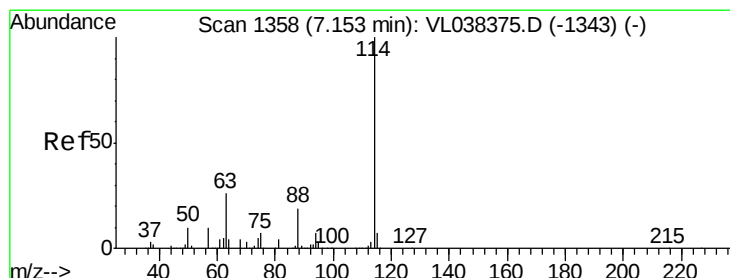
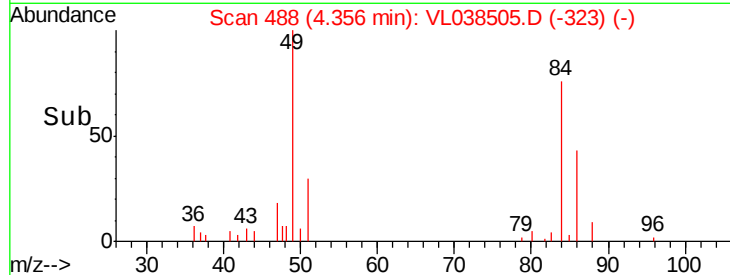
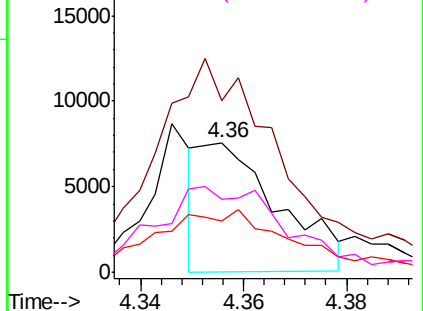
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

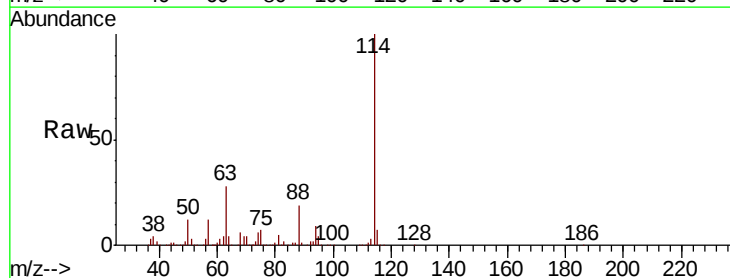
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.18 min Scan# 1366  
Delta R.T.: 0.03 min  
Lab File: VL038505.D  
Acq: 3 Mar 2022 5:55

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 1866451 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 28.8  | 22.2  | 33.2    |
| 88       | 19.0  | 15.2  | 22.8    |

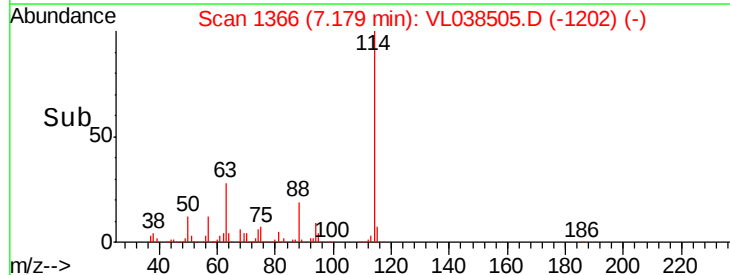
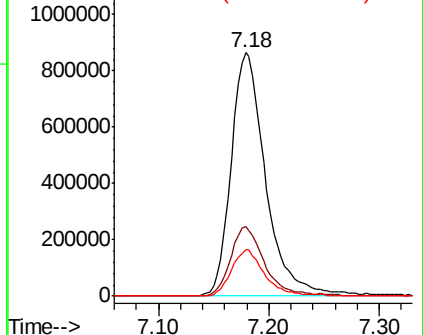


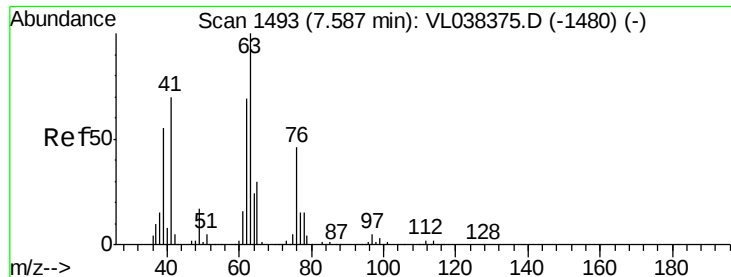
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.892 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 5:55

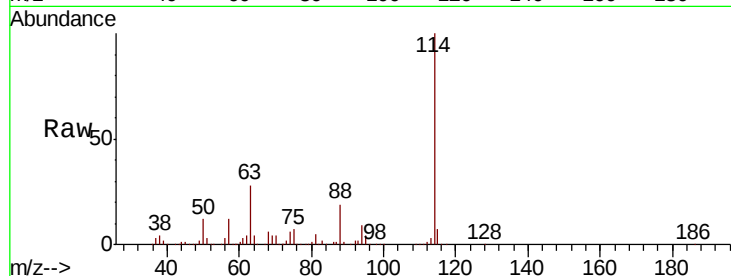
Tot Ion: 63 Resp: 516488

Ion Ratio Lower Upper

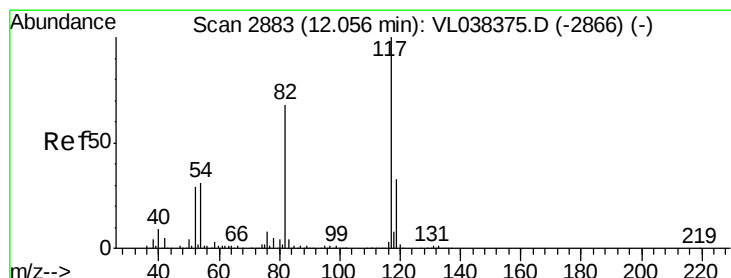
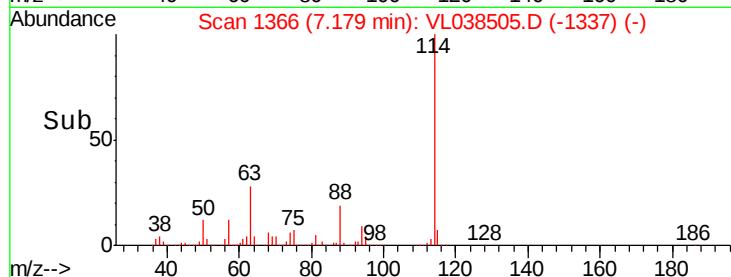
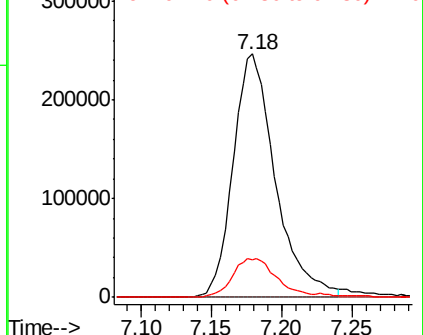
63 100

41 0.0 56.1 84.1#

62 15.4 55.5 83.3#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.03 min

Lab File: VL038505.D

Acq: 3 Mar 2022 5:55

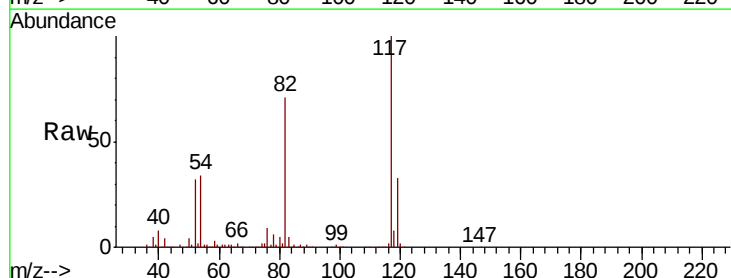
Tgt Ion: 117 Resp: 1629694

Ion Ratio Lower Upper

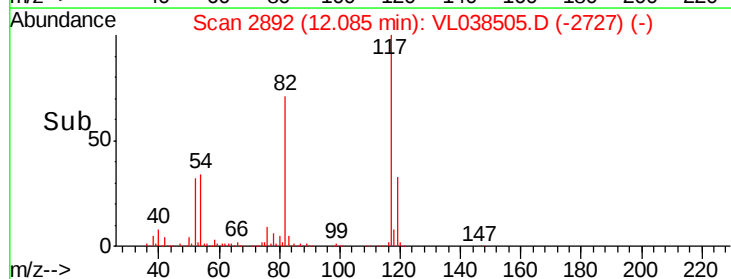
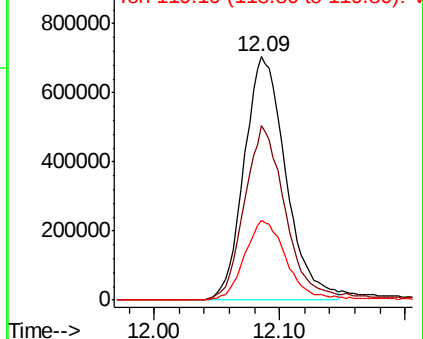
117 100

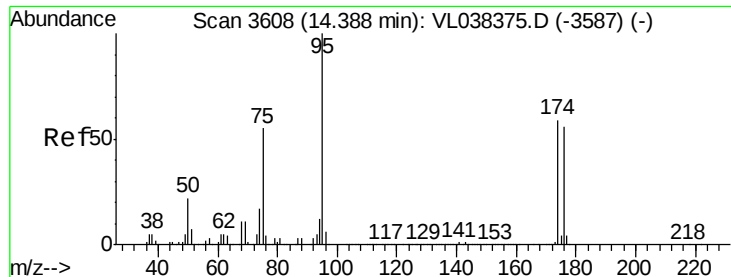
82 73.5 54.9 82.3

119 34.0 46.1 69.1#



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





#68

1-Bromo-4-Fluorobenzene

Concen: 10.005 ppbv

RT: 14.42

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 3:55

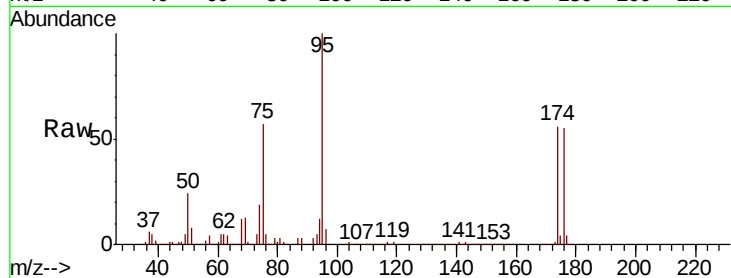
Tot Ion: 95 Resp: 1349151

Ion Ratio Lower Upper

95 100

174 59.4 49.0 73.4

175 4.2 3.6 5.4



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

