

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\  
 Data File : VL039503.D  
 Acq On : 20 Jul 2022 5:56  
 Operator : SY/AP  
 Sample : N3750-09DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA-1DL

Quant Time: Jul 20 07:26:55 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 06 02:15:38 2022  
 QLast Update : Wed Jul 06 02:15:38 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 955226   | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2668282  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2340036  | 10.00 | ppbv  | 0.03     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 1733653  | 9.99     | ppbv | 0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.90% |

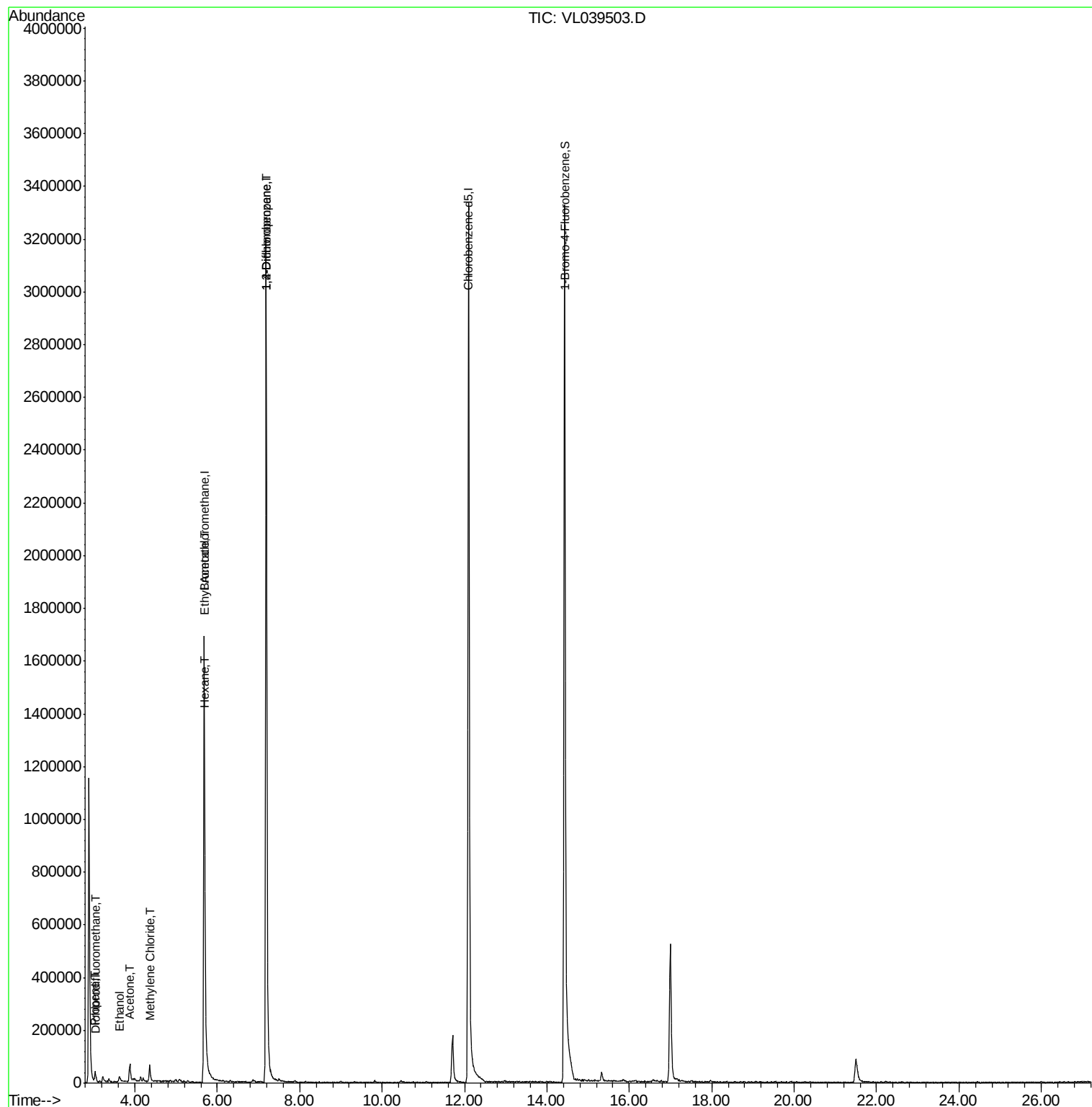
| Target Compounds           | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane | 3.06 | 85   | 4924     | 0.036 | ppbv # | 70     |
| 9) Propene                 | 3.03 | 41   | 7123     | 0.130 | ppbv # | 57     |
| 13) Ethanol                | 3.63 | 45   | 15234    | 4.798 | ppbv   | 64     |
| 15) Acetone                | 3.87 | 43   | 73191    | 0.648 | ppbv # | 80     |
| 20) Methylene Chloride     | 4.36 | 84   | 25437    | 0.565 | ppbv   | 85     |
| 25) Ethyl Acetate          | 5.69 | 43   | 11844    | 0.051 | ppbv # | 83     |
| 26) Hexane                 | 5.70 | 57   | 14125    | 0.151 | ppbv # | 39     |
| 39) 1,2-Dichloropropane    | 7.19 | 63   | 649053   | 8.413 | ppbv # | 26     |

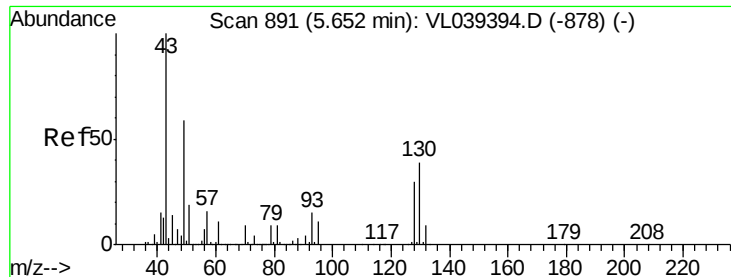
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071922\  
Data File : VL039503.D  
Acq On : 20 Jul 2022 5:56  
Operator : SY/AP  
Sample : N3750-09DL 10X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
OA-1DL

Quant Time: Jul 20 07:26:55 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 06 02:15:38 2022  
QLast Update : Wed Jul 06 02:15:38 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: OA-1DL

Acq: 20 Jul 2022 5:58

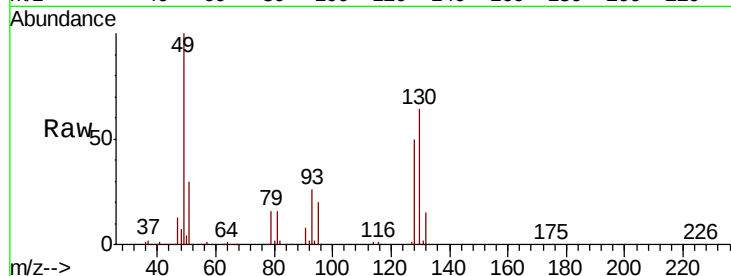
Tot Ion: 49 Resp: 955226

Ion Ratio Lower Upper

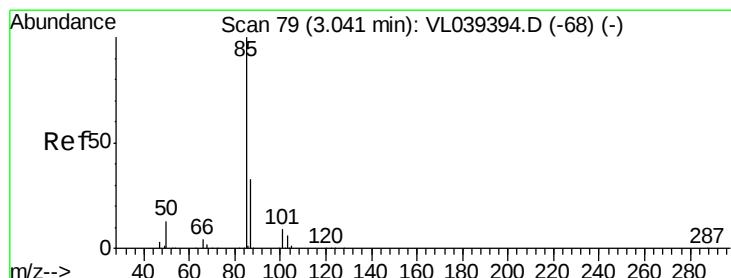
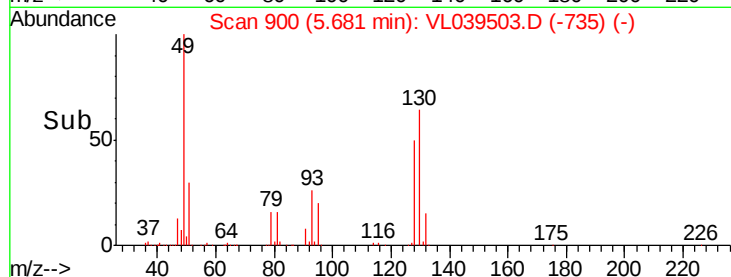
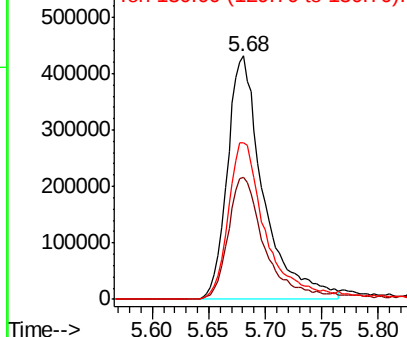
49 100

128 52.7 26.7 80.0

130 71.2 34.3 102.8



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: 0.036 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039503.D

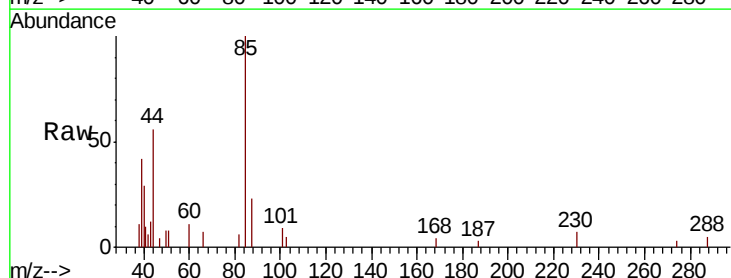
Acq: 20 Jul 2022 5:56

Tgt Ion: 85 Resp: 4924

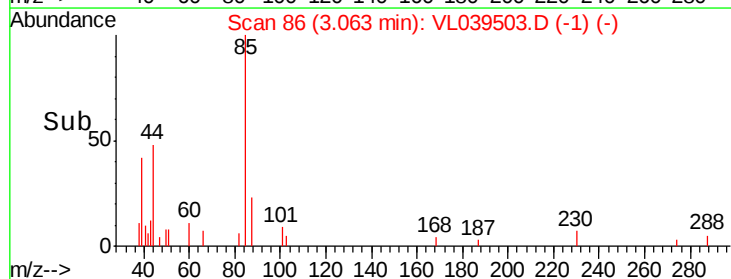
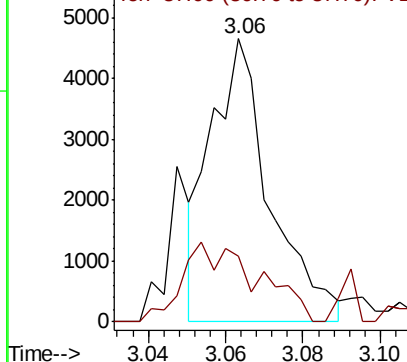
Ion Ratio Lower Upper

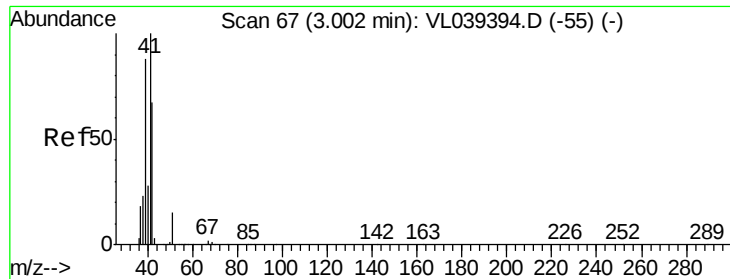
85 100

87 16.3 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0  
Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.130 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

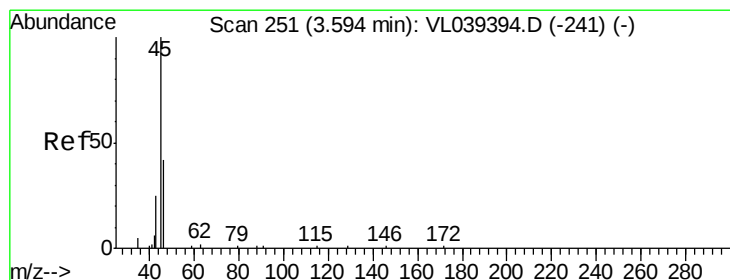
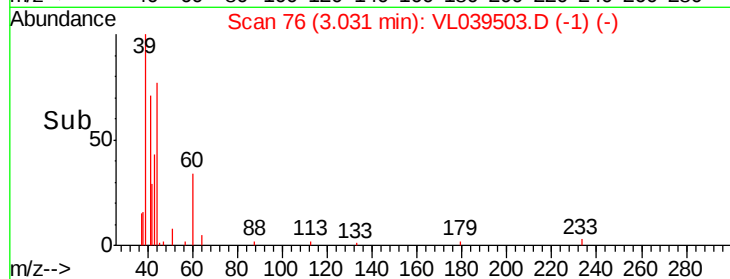
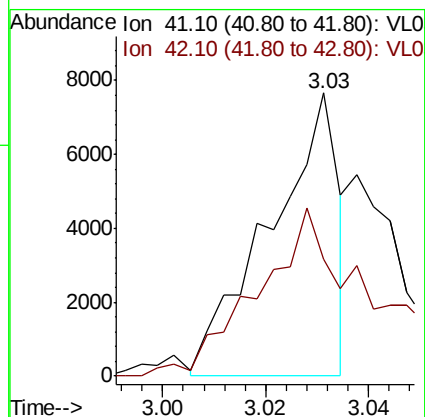
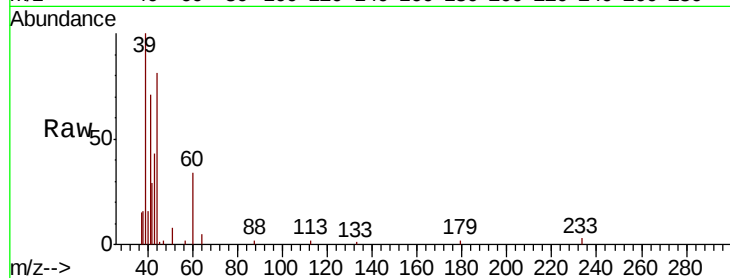
Acq: 20 Jul 2022 3:58

Tot Ion: 41 Resp: 7123

Ion Ratio Lower Upper

41 100

42 104.3 55.2 82.8#



#13

Ethanol

Concen: 4.798 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL039503.D

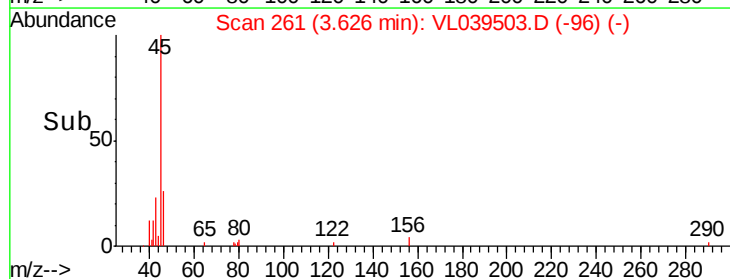
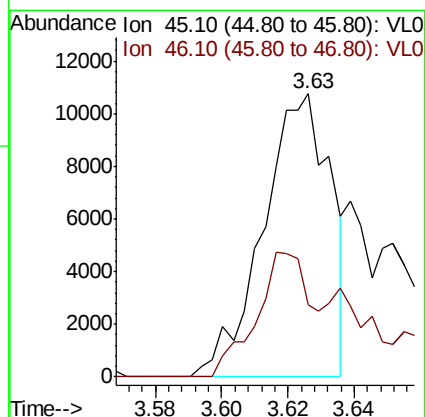
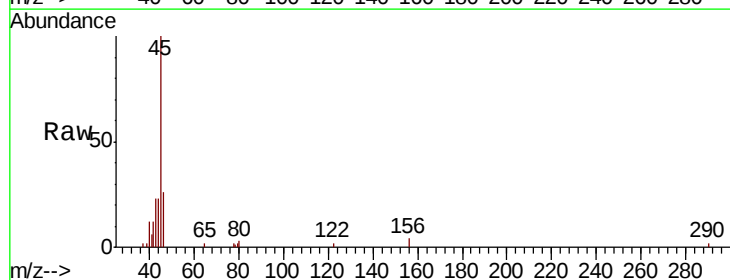
Acq: 20 Jul 2022 5:56

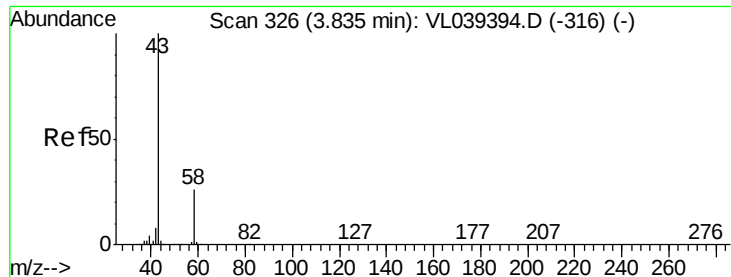
Tgt Ion: 45 Resp: 15234

Ion Ratio Lower Upper

45 100

46 83.3 22.8 91.2





#15

Acetone

Concen: 0.648 ppbv

RT: 3.87

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

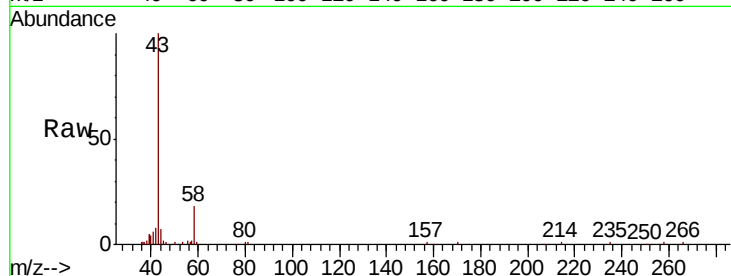
Acq: 20 Jul 2022 5:56

Tot Ion: 43 Resp: 73191

Ion Ratio Lower Upper

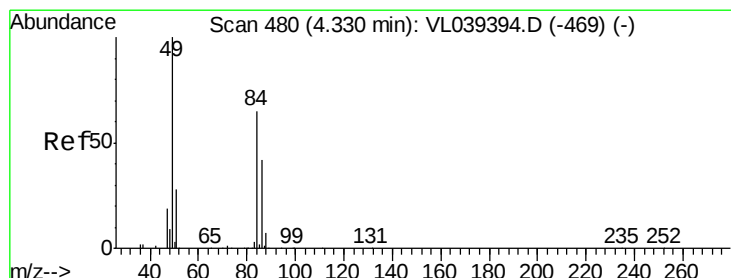
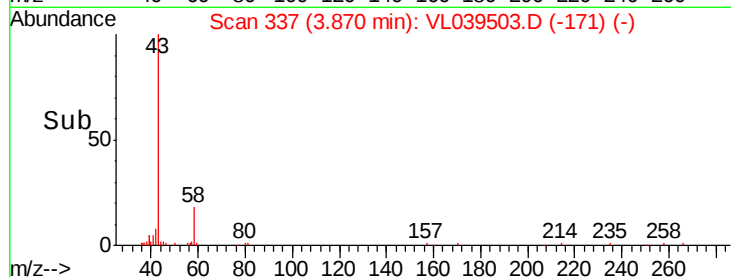
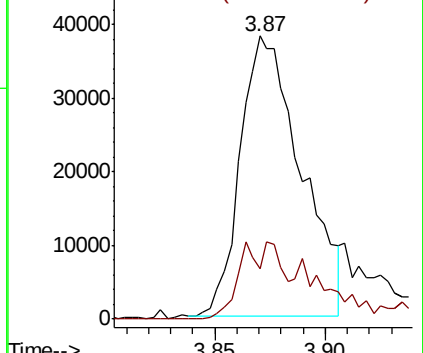
43 100

58 36.8 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.565 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.03 min

Lab File: VL039503.D

Acq: 20 Jul 2022 5:56

Tgt Ion: 84 Resp: 25437

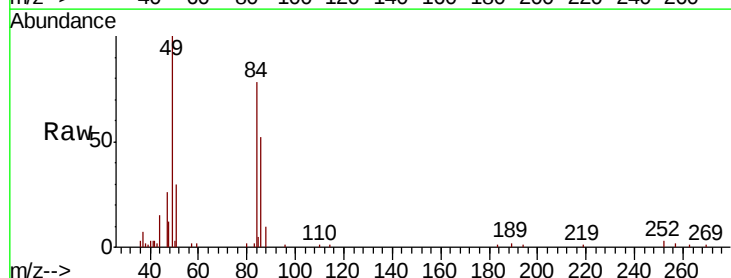
Ion Ratio Lower Upper

84 100

49 126.2 123.1 184.7

51 38.1 34.4 51.6

86 66.1 51.1 76.7

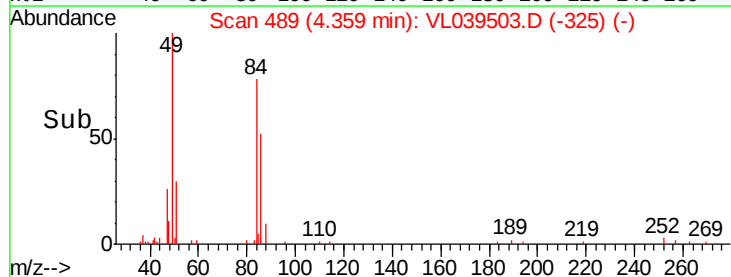
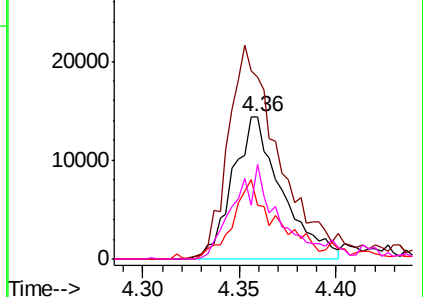


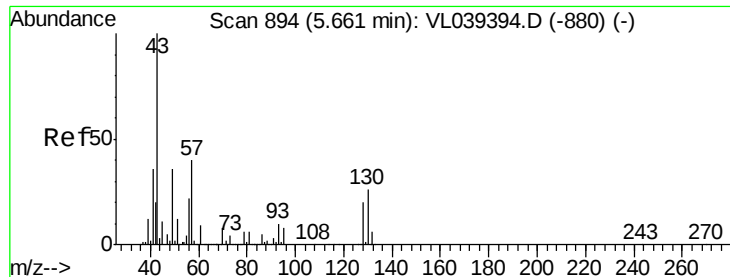
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

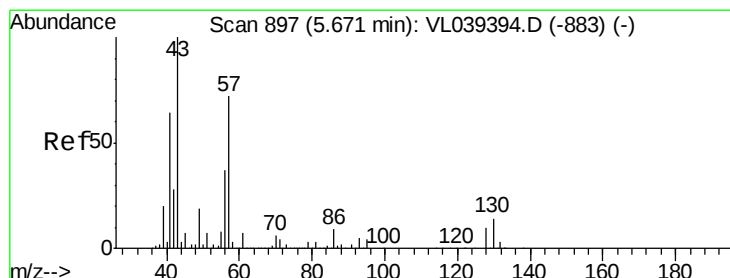
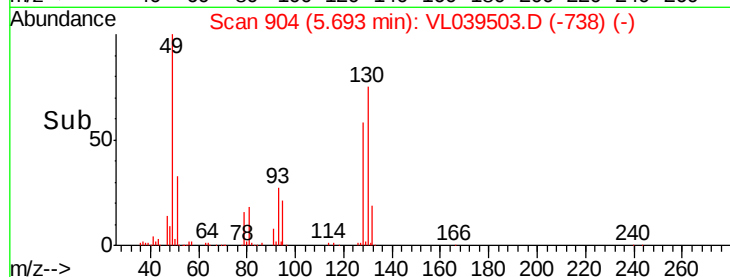
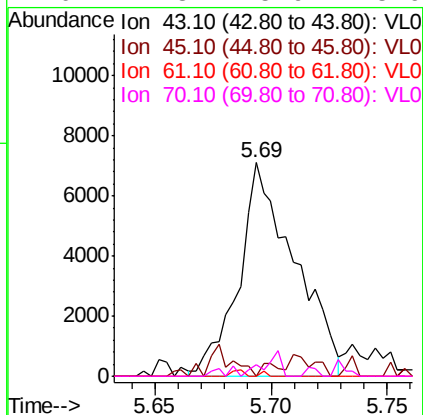
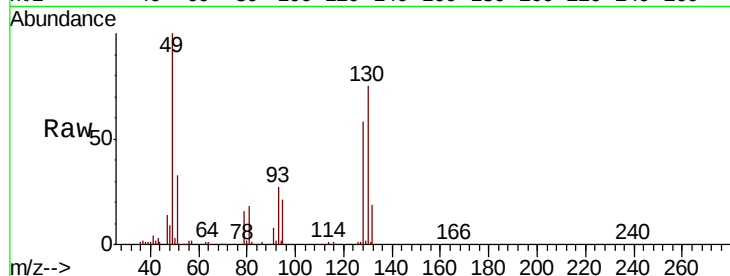
Ion 86.00 (85.70 to 86.70): VL0





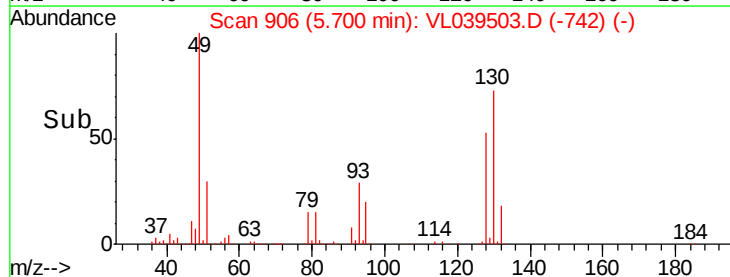
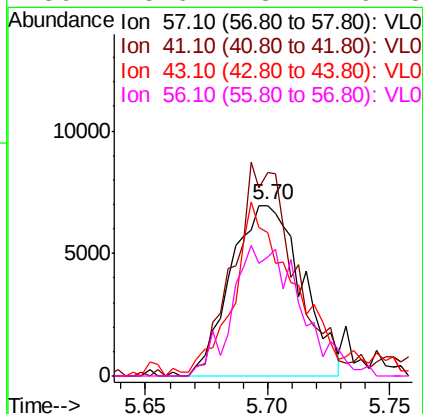
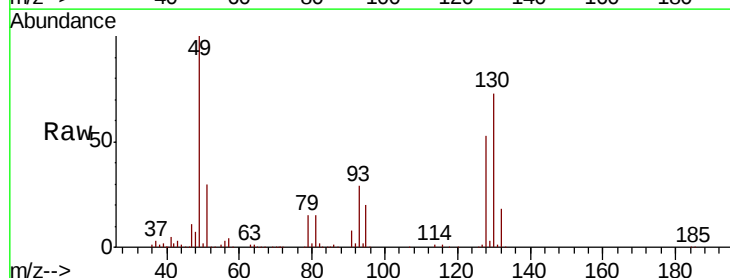
#25  
Ethyl Acetate  
Concen: 0.051 ppbv  
RT: 5.69 min  
Delta R.T.: 0.03 min  
Lab File: VL039503.D  
Acq: 20 Jul 2022 5:56

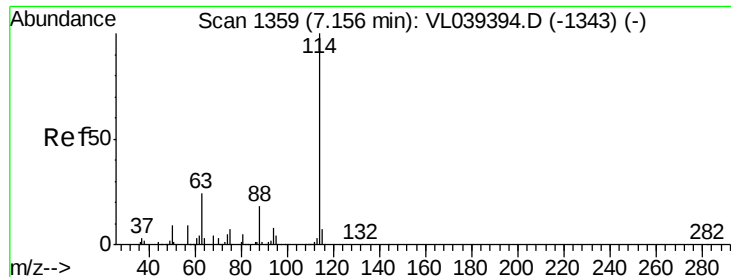
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 11844 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 14.7  | 8.2   | 12.4# |
| 61       | 0.0   | 8.3   | 12.5# |
| 70       | 4.8   | 5.9   | 8.9#  |



#26  
Hexane  
Concen: 0.151 ppbv  
RT: 5.70 min Scan# 906  
Delta R.T.: 0.03 min  
Lab File: VL039503.D  
Acq: 20 Jul 2022 5:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 14125  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 114.3 | 76.9  | 115.3  |
| 43       | 94.1  | 191.0 | 286.6# |
| 56       | 73.6  | 43.2  | 64.8#  |

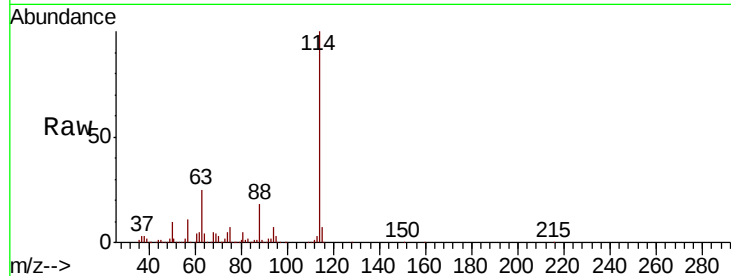




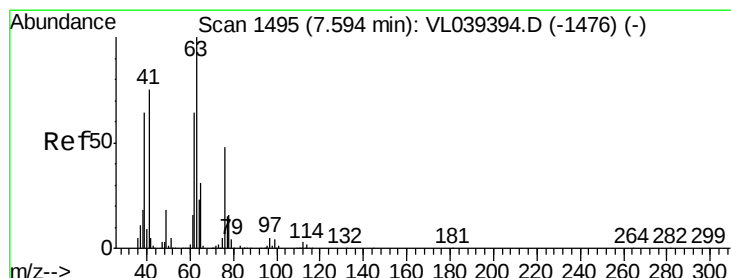
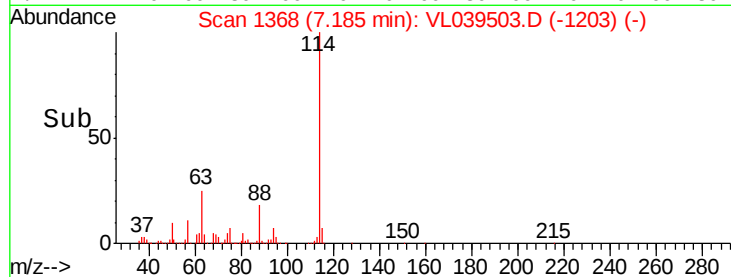
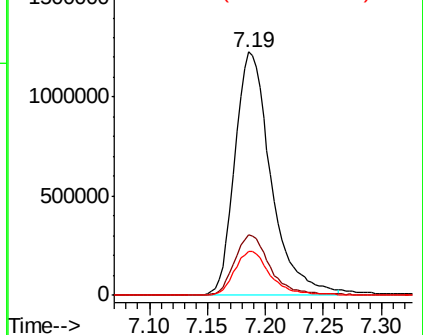
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 20 Jul 2022 5:56

Tot Ion: 114 Resp: 2668282

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.0  | 20.2  | 30.4  |
| 88  | 18.1  | 14.5  | 21.7  |



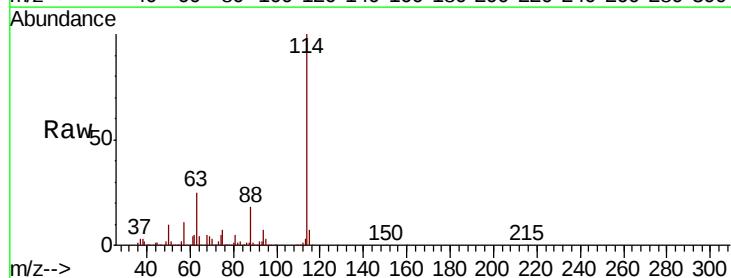
Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0



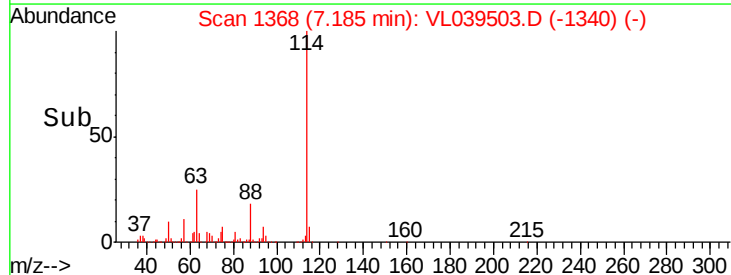
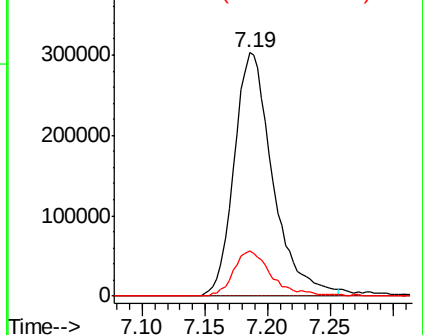
#39  
 1,2-Dichloropropane  
 Concen: 8.413 ppbv  
 RT: 7.19 min Scan# 1368  
 Delta R.T. -0.41 min  
 Lab File: VL039503.D  
 Acq: 20 Jul 2022 5:56

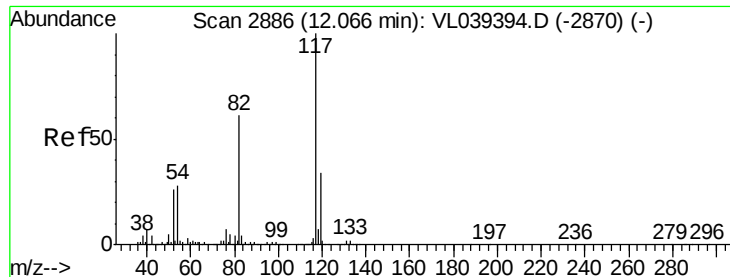
Tgt Ion: 63 Resp: 649053

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 59.6  | 89.4# |
| 62  | 18.7  | 51.4  | 77.0# |



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

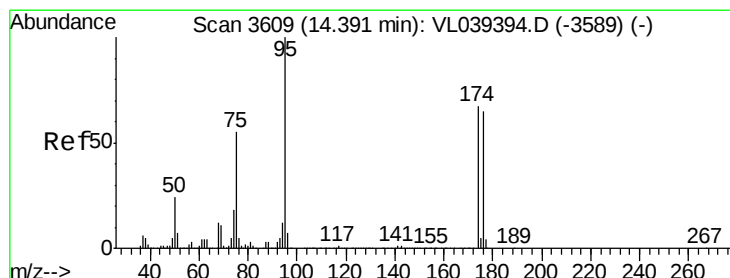
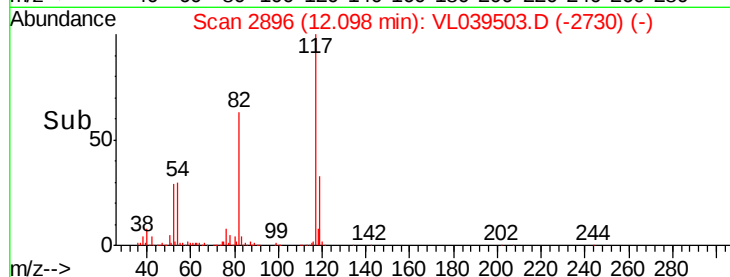
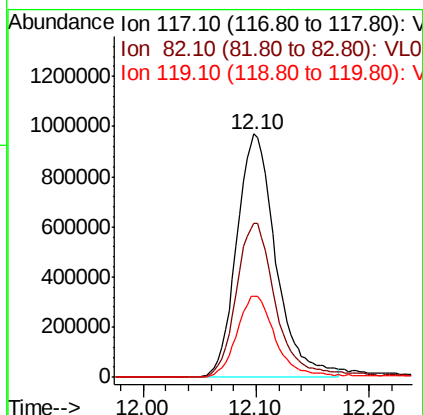
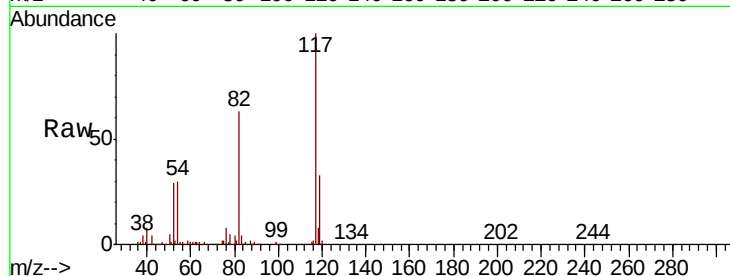




#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.10 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 20 Jul 2022 5:56

Tot Ion: 117 Resp: 2340036

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 66.5  | 50.8  | 76.2  |
| 119 | 34.4  | 24.1  | 36.1  |



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.987 ppbv  
 RT: 14.43 min Scan# 3621  
 Delta R.T. 0.04 min  
 Lab File: VL039503.D  
 Acq: 20 Jul 2022 5:56

Tgt Ion: 95 Resp: 1733653

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 74.1  | 55.9  | 83.9  |
| 175 | 5.8   | 4.2   | 6.4   |

