

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072022\  
 Data File : VL039514.D  
 Acq On : 20 Jul 2022 17:18  
 Operator : SY/AP  
 Sample : N3750-04DL2 400X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-4DL2

Quant Time: Jul 21 06:06:09 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   | 5.69  | 49   | 945599   | 10.00 | ppbv  | 0.04     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2716401  | 10.00 | ppbv  | 0.04     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2315007  | 10.00 | ppbv  | 0.04     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 1729868  | 10.07    | ppbv | 0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.70% |

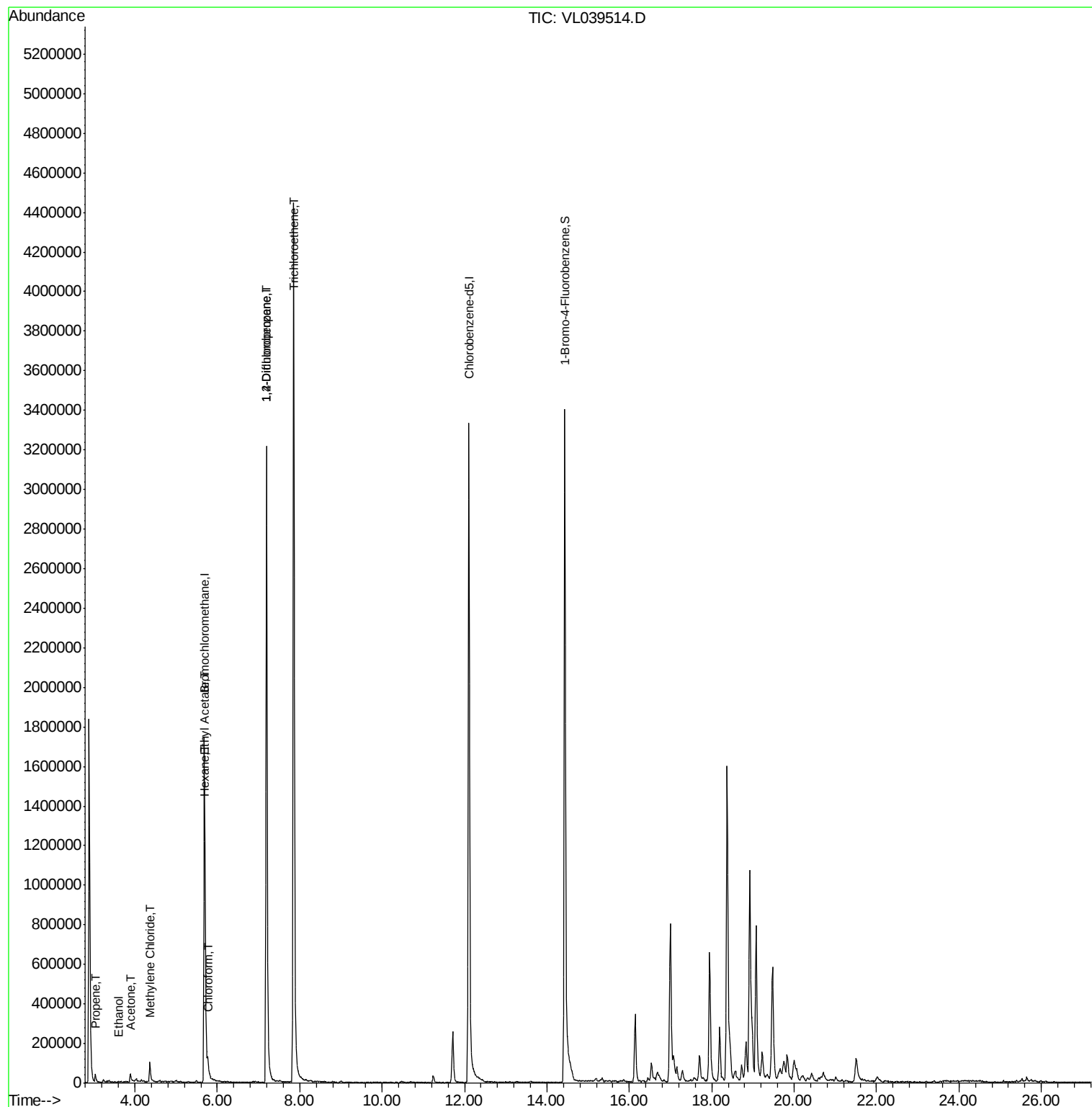
| Target Compounds        | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------|------|------|----------|--------|--------|--------|
| 9) Propene              | 3.04 | 41   | 14252    | 0.263  | ppbv   | 84     |
| 13) Ethanol             | 3.62 | 45   | 367      | 0.117  | ppbv # | 23     |
| 15) Acetone             | 3.89 | 43   | 48588    | 0.434  | ppbv # | 85     |
| 20) Methylene Chloride  | 4.37 | 84   | 35559    | 0.797  | ppbv   | 92     |
| 25) Ethyl Acetate       | 5.71 | 43   | 37490    | 0.163  | ppbv # | 77     |
| 26) Hexane              | 5.71 | 57   | 49447    | 0.535  | ppbv # | 36     |
| 29) Chloroform          | 5.77 | 83   | 36391    | 0.226  | ppbv   | 92     |
| 38) Trichloroethene     | 7.86 | 130  | 1626570  | 14.305 | ppbv   | 98     |
| 39) 1,2-Dichloropropane | 7.20 | 63   | 656939   | 8.364  | ppbv # | 26     |

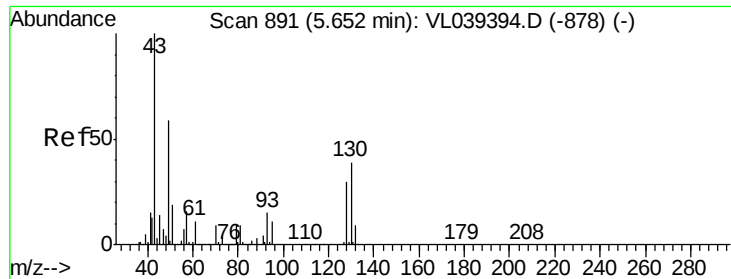
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072022\  
Data File : VL039514.D  
Acq On : 20 Jul 2022 17:18  
Operator : SY/AP  
Sample : N3750-04DL2 400X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-4DL2

Quant Time: Jul 21 06:06:09 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: 5.69 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: SV-4DL2

Acq: 20 Jul 2022 17:18

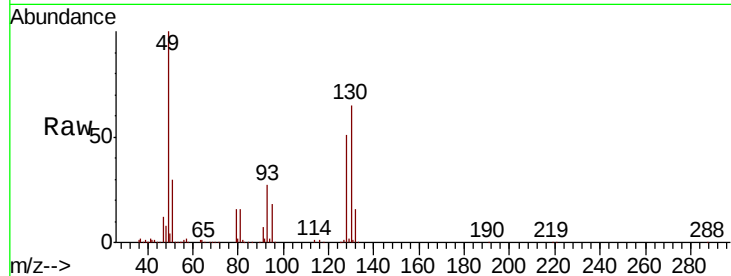
Tot Ion: 49 Resp: 945599

Ion Ratio Lower Upper

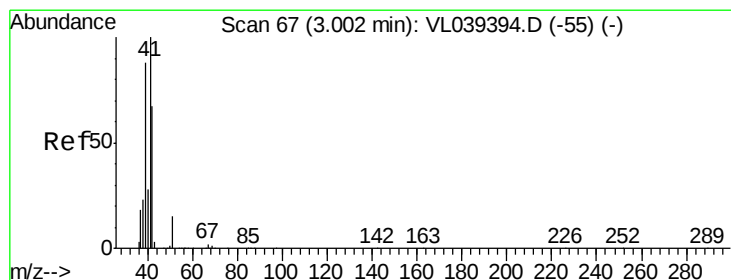
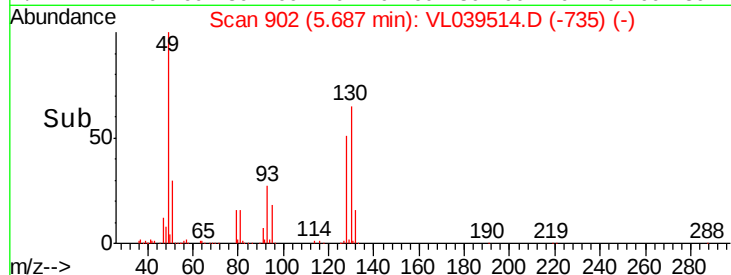
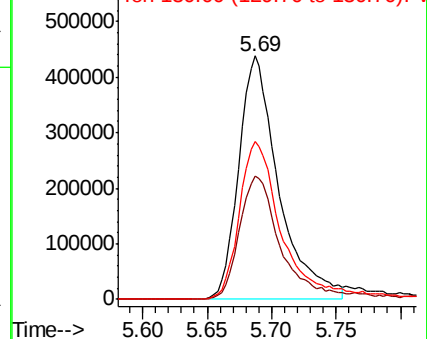
49 100

128 55.5 26.7 80.0

130 70.9 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



#9

Propene

Concen: 0.263 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.04 min

Lab File: VL039514.D

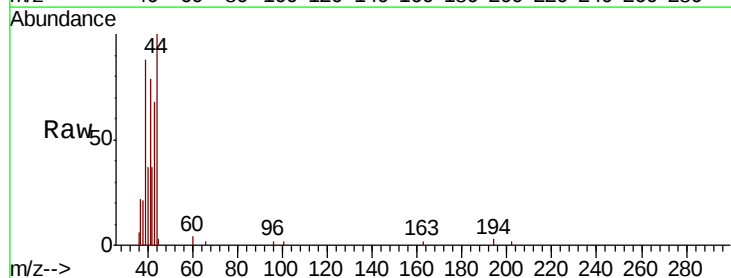
Acq: 20 Jul 2022 17:18

Tgt Ion: 41 Resp: 14252

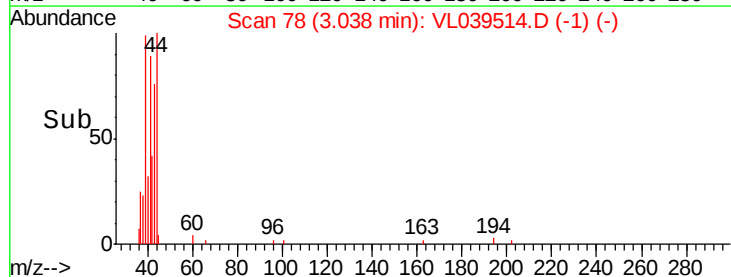
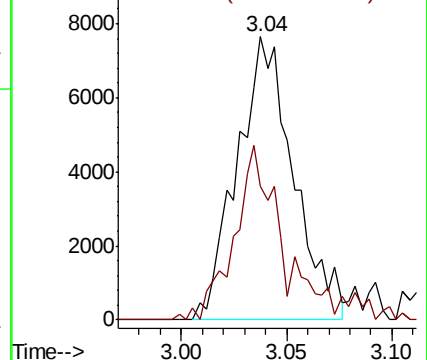
Ion Ratio Lower Upper

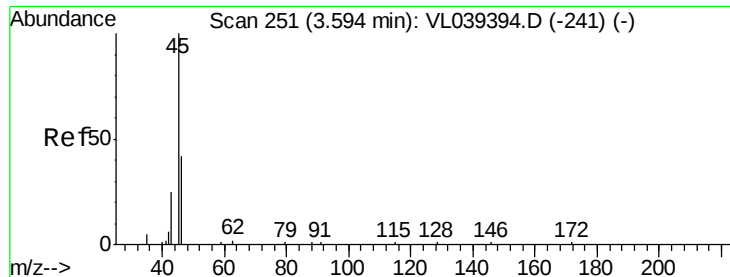
41 100

42 55.9 55.2 82.8



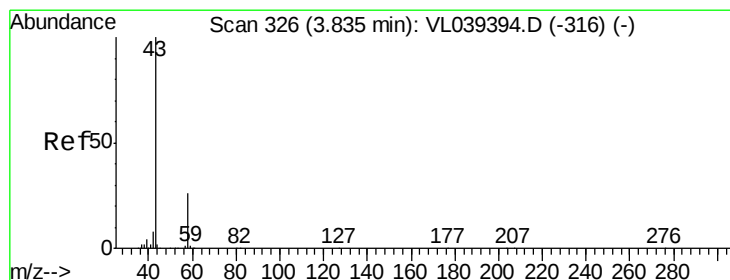
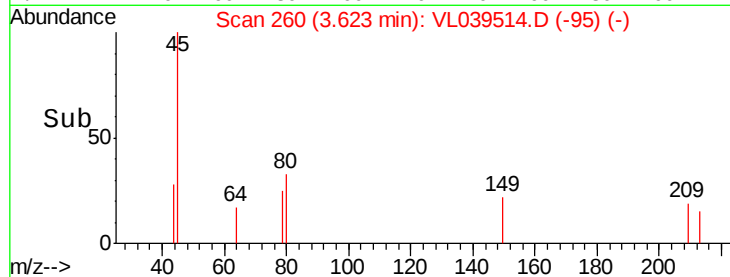
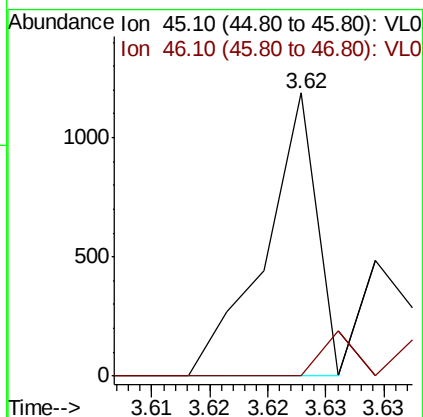
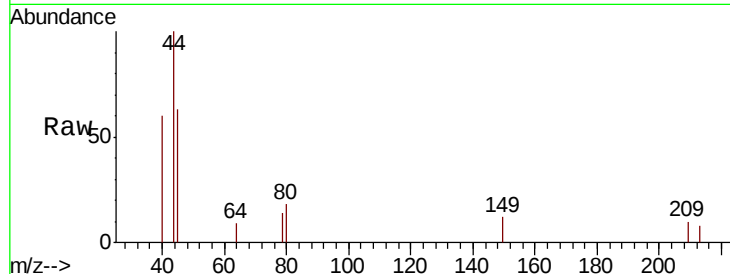
Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 42.10 (41.80 to 42.80): VL0





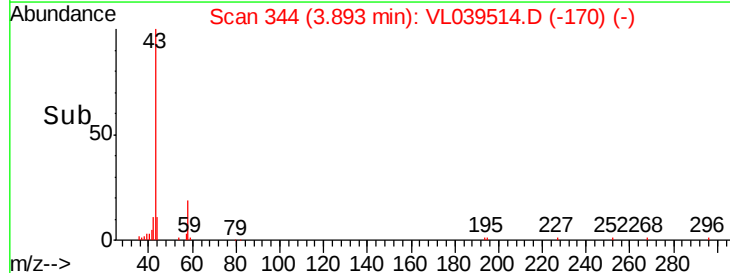
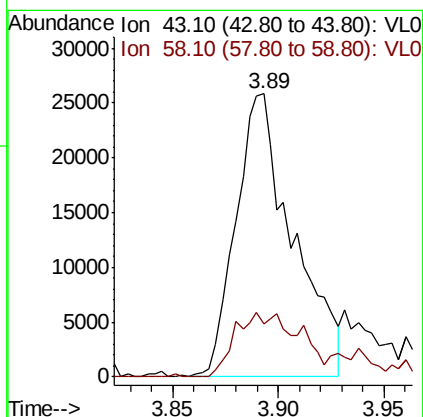
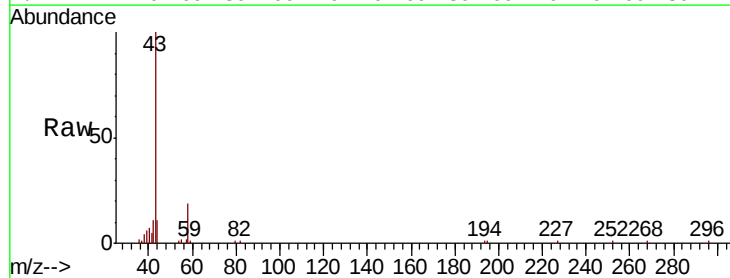
#13  
Ethanol  
Concen: 0.117 ppbv  
RT: 3.62  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
SV-4DL2  
Acq: 20 Jul 2022 17:18

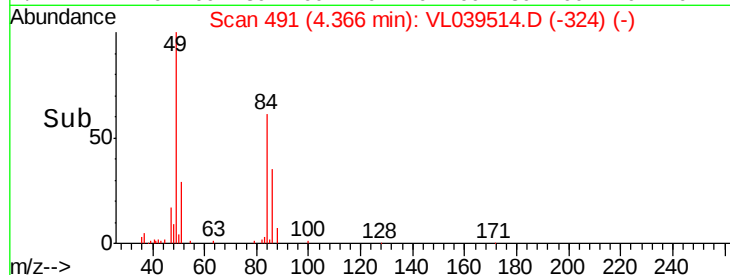
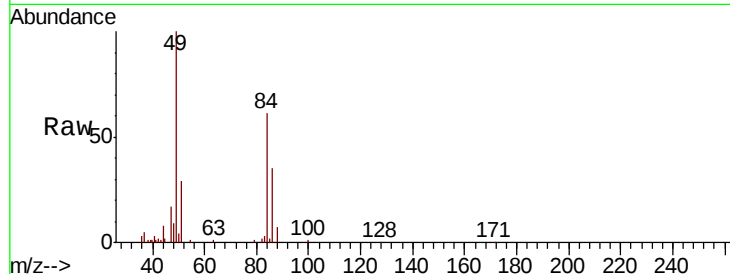
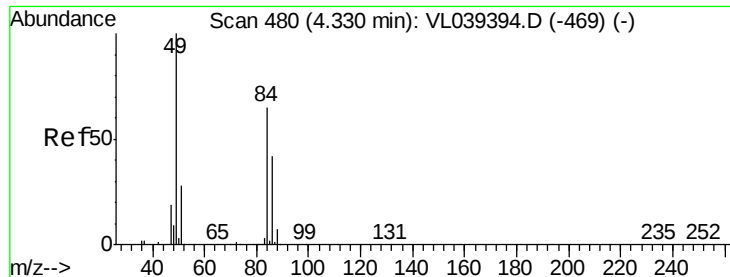
Tot Ion: 45 Resp: 367  
Ion Ratio Lower Upper  
45 100  
46 0.0 22.8 91.2#



#15  
Acetone  
Concen: 0.434 ppbv  
RT: 3.89 min Scan# 344  
Delta R.T. 0.06 min  
Lab File: VL039514.D  
Acq: 20 Jul 2022 17:18

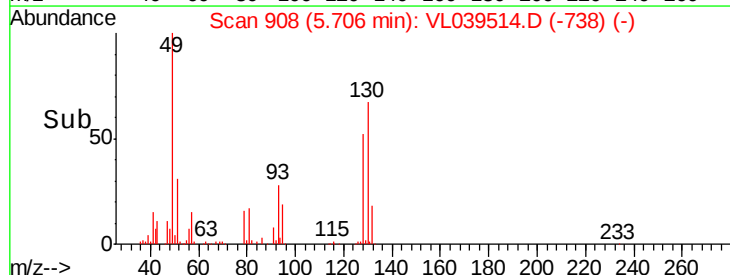
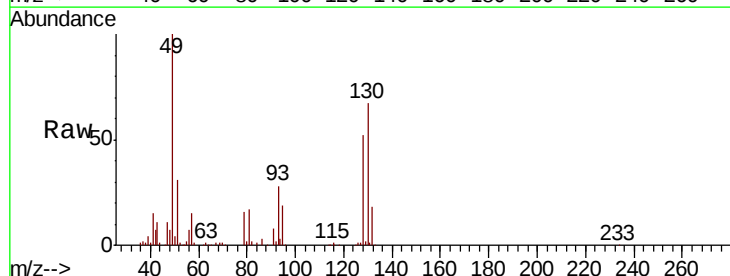
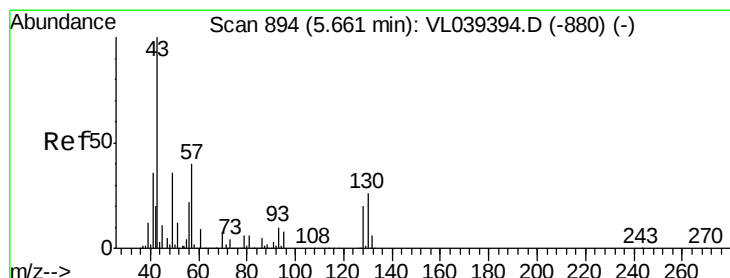
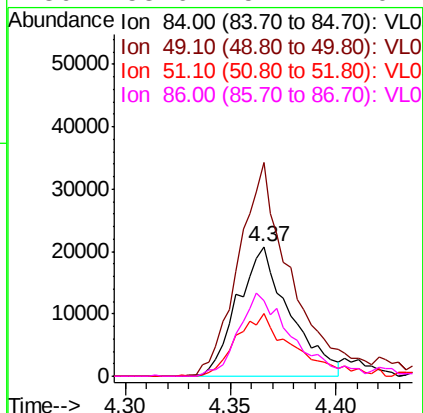
Tgt Ion: 43 Resp: 48588  
Ion Ratio Lower Upper  
43 100  
58 33.8 21.0 31.6#





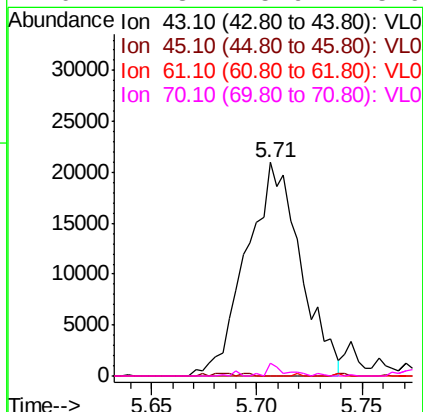
#20  
Methvlene Chloride  
Concen: 0.797 ppbv  
RT: 4.37  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
SV-4DL2  
Acq: 20 Jul 2022 17:18

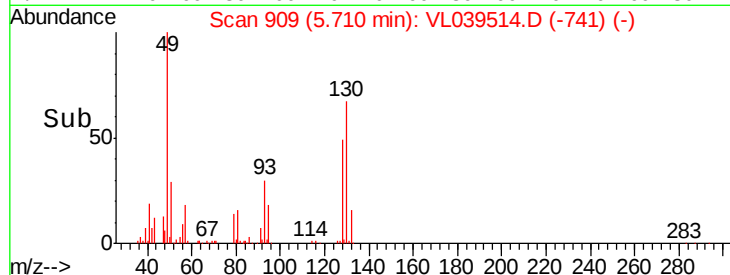
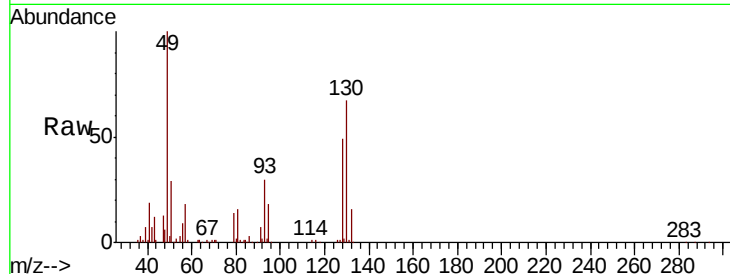
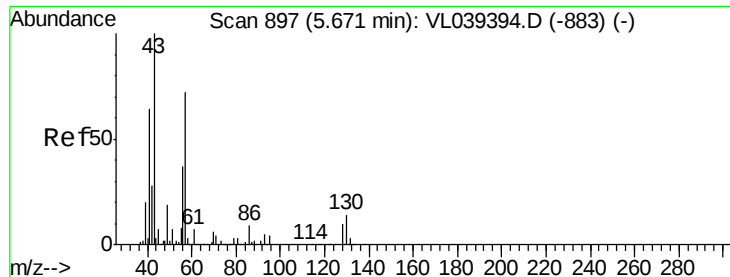
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 35559 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 163.9 | 123.1 | 184.7 |
| 51       | 48.2  | 34.4  | 51.6  |
| 86       | 58.6  | 51.1  | 76.7  |



#25  
Ethyl Acetate  
Concen: 0.163 ppbv  
RT: 5.71 min Scan# 908  
Delta R.T. 0.05 min  
Lab File: VL039514.D  
Acq: 20 Jul 2022 17:18

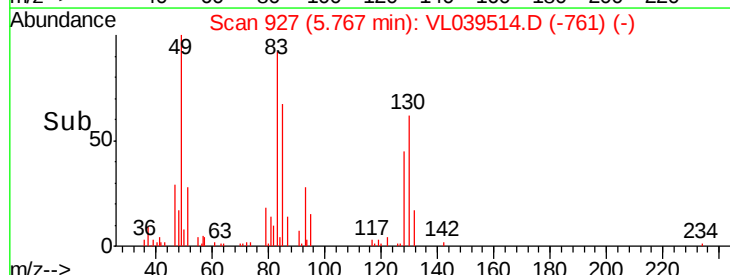
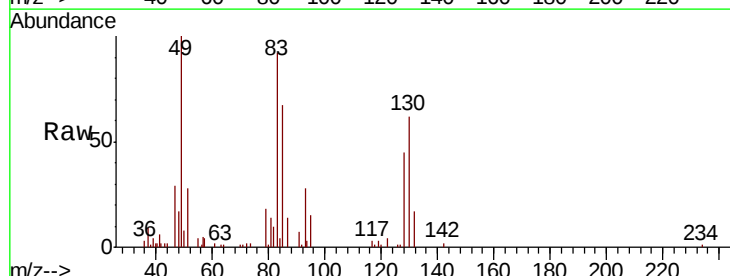
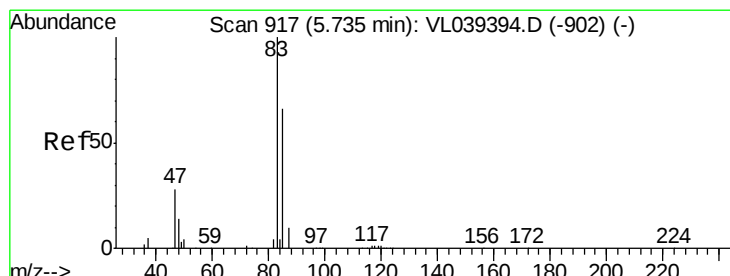
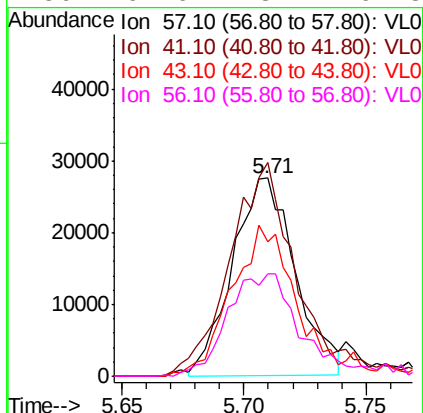
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 37490 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 0.8   | 8.2   | 12.4# |
| 61       | 0.3   | 8.3   | 12.5# |
| 70       | 2.3   | 5.9   | 8.9#  |





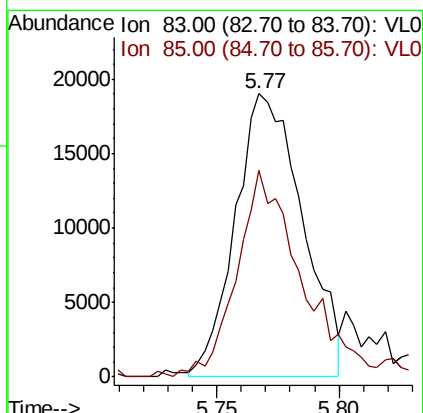
#26  
Hexane  
Concen: 0.535 ppbv  
RT: 5.71  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 20 Jul 2022 17:18

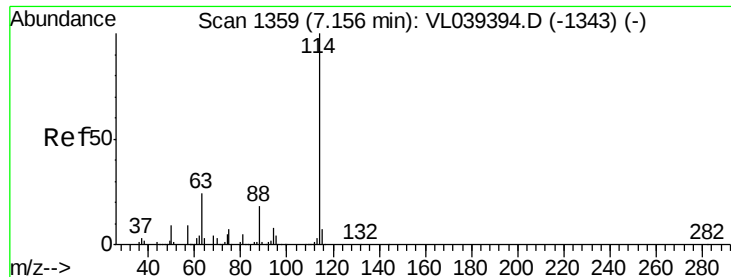
Tot Ion: 57 Resp: 49447  
Ion Ratio Lower Upper  
57 100  
41 119.4 76.9 115.3#  
43 84.2 191.0 286.6#  
56 62.6 43.2 64.8



#29  
Chloroform  
Concen: 0.226 ppbv  
RT: 5.77 min Scan# 927  
Delta R.T. 0.03 min  
Lab File: VL039514.D  
Acq: 20 Jul 2022 17:18

Tgt Ion: 83 Resp: 36391  
Ion Ratio Lower Upper  
83 100  
85 72.0 52.8 79.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

SV-4DL2

Acq: 20 Jul 2022 17:18

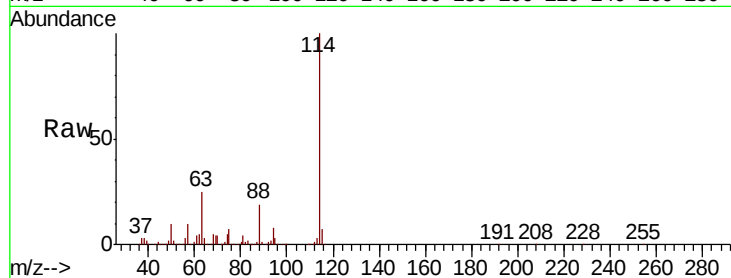
Tot Ion:114 Resp: 2716401

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

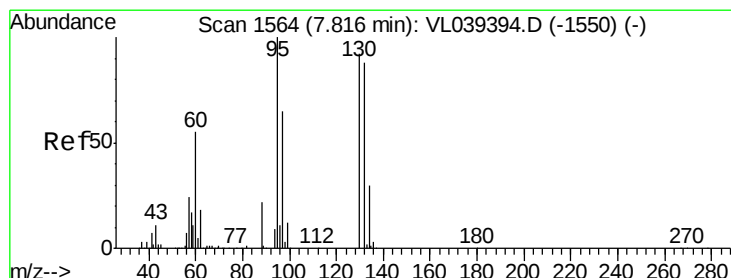
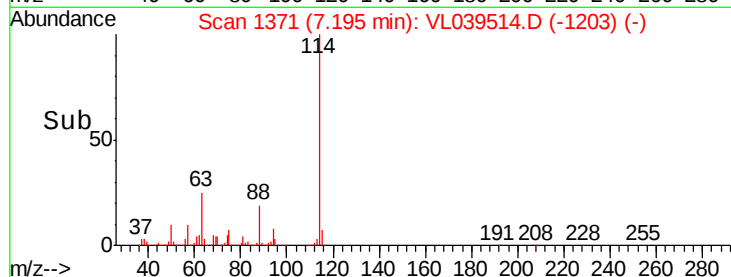
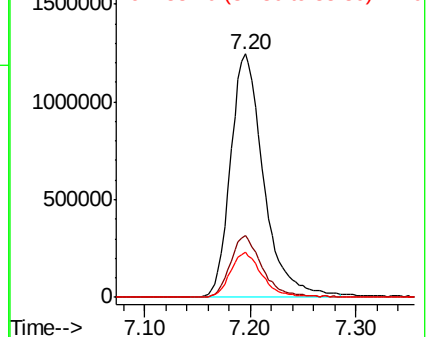
88 18.1 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 14.305 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.04 min

Lab File: VL039514.D

Acq: 20 Jul 2022 17:18

Tgt Ion:130 Resp: 1626570

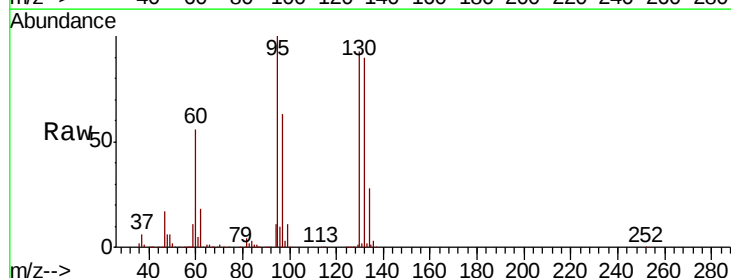
Ion Ratio Lower Upper

130 100

95 107.7 87.3 130.9

132 97.1 76.7 115.1

97 67.4 56.5 84.7

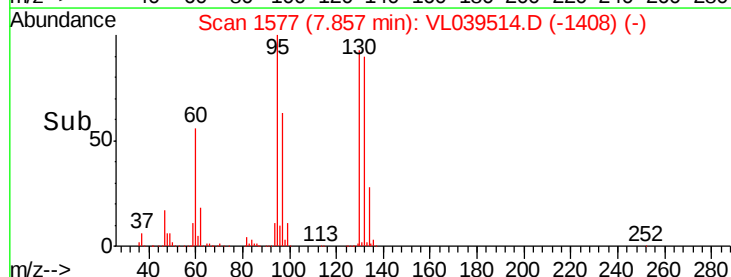
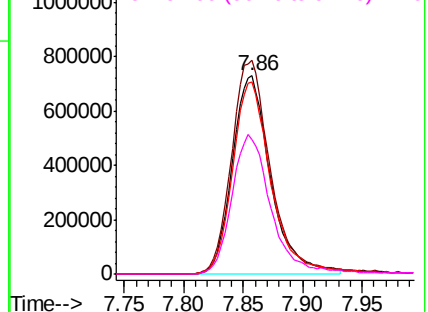


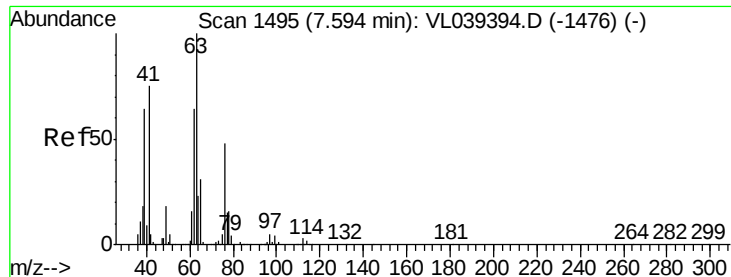
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.364 ppbv

RT: 7.20 Instrument:

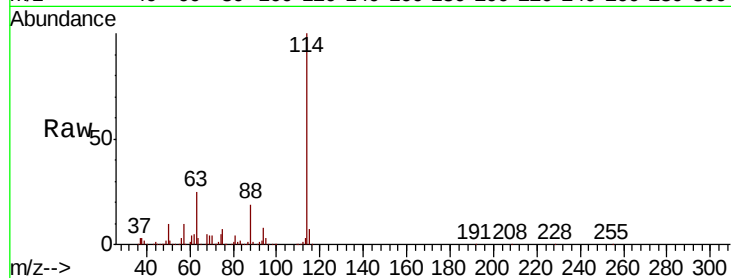
Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 20 Jul 2022 17:18 SV-4DL2

Tot Ion: 63 Resp: 656939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 59.6  | 89.4# |
| 62  | 18.1  | 51.4  | 77.0# |

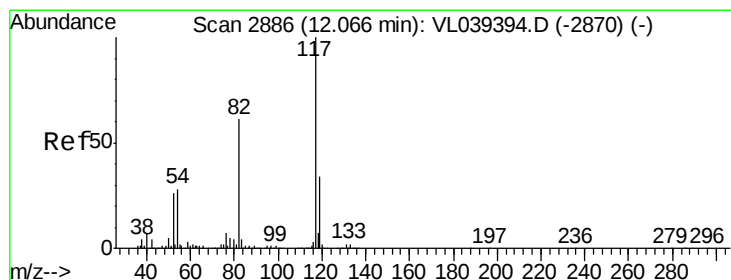
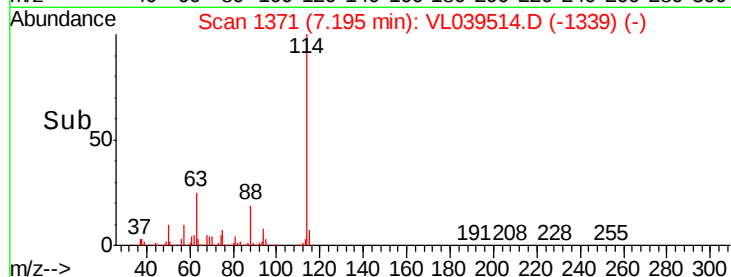
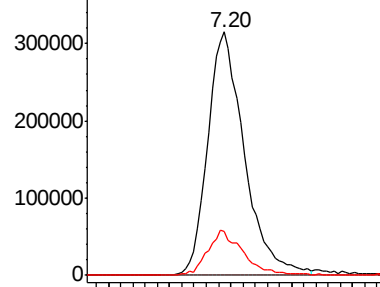


Abundance

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 Scan# 2898

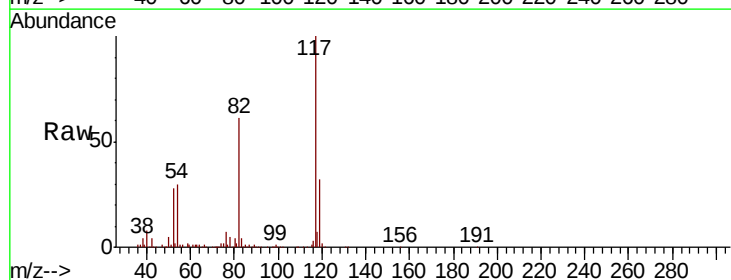
Delta R.T. 0.04 min

Lab File: VL039514.D

Acq: 20 Jul 2022 17:18

Tgt Ion: 117 Resp: 2315007

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 67.0  | 50.8  | 76.2  |
| 119 | 34.1  | 24.1  | 36.1  |

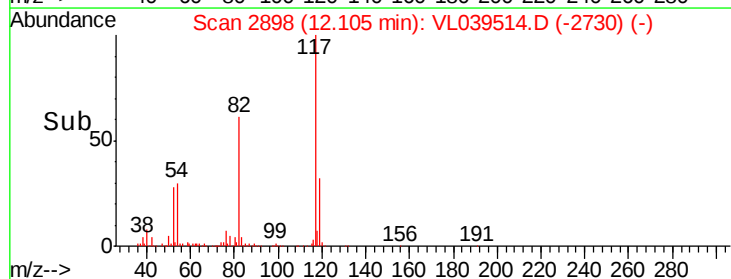
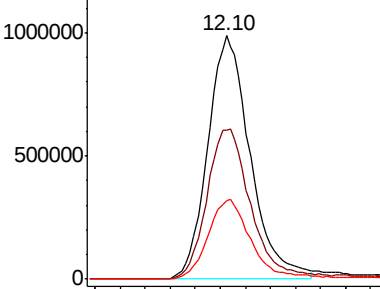


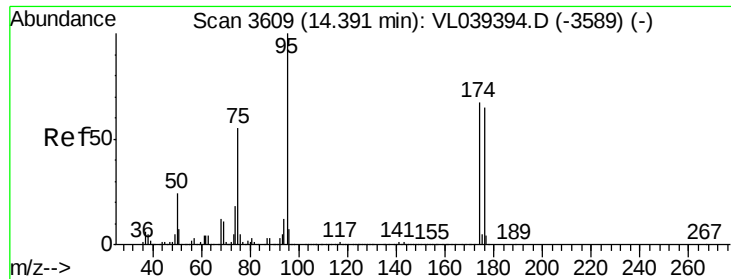
Abundance

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: 10.073 ppbv

RT: 14.43 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

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Acq: 20 Jul 2022 17:18

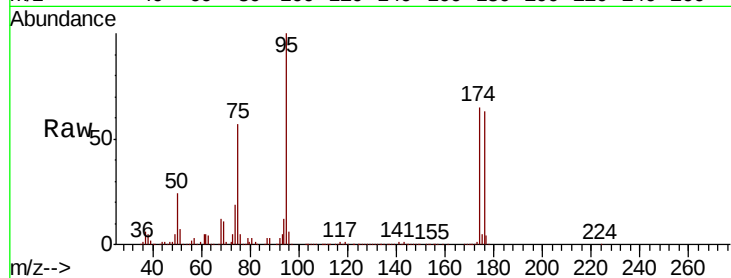
Tot Ion: 95 Resp: 1729868

Ion Ratio Lower Upper

95 100

174 73.7 55.9 83.9

175 5.8 4.2 6.4



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

