

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\  
 Data File : VL037333.D  
 Acq On : 5 Aug 2021 7:57  
 Operator : SY/AP  
 Sample : M3211-05DL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVP-5DL

Manual Integrations  
 APPROVED

MMDadoda  
 8/5/2021 1:41:21 PM

Quant Time: Aug 05 08:49:18 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Aug 0  
 QLast Update : Wed Aug 04 22:53:01 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1057820  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3421724  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2807706  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2124627  | 11.08    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.80% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|------|------|----------|-------|--------|--------|
| 9) Propene             | 3.02 | 41   | 9637     | 0.124 | ppbv   | 95     |
| 13) Ethanol            | 3.62 | 45   | 19414m   | 1.657 | ppbv   |        |
| 15) Acetone            | 3.85 | 43   | 167922   | 1.461 | ppbv # | 77     |
| 19) Isopropyl Alcohol  | 4.01 | 45   | 10658m   | 0.168 | ppbv   |        |
| 20) Methylene Chloride | 4.34 | 84   | 186888   | 1.965 | ppbv   | 96     |
| 26) Hexane             | 5.68 | 57   | 93051    | 0.557 | ppbv # | 51     |

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

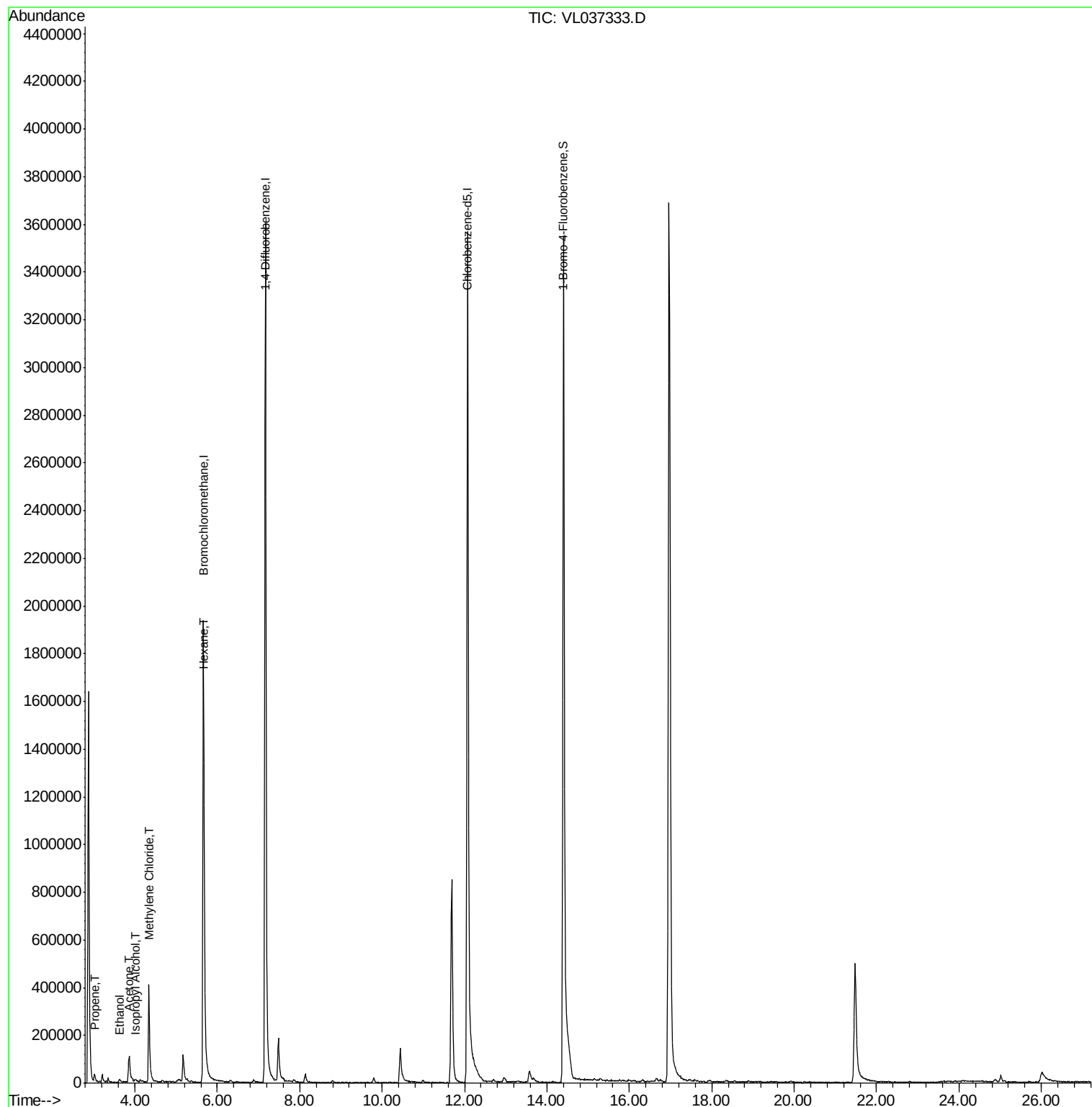
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080421\  
Data File : VL037333.D  
Acq On : 5 Aug 2021 7:57  
Operator : SY/AP  
Sample : M3211-05DL 10X  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

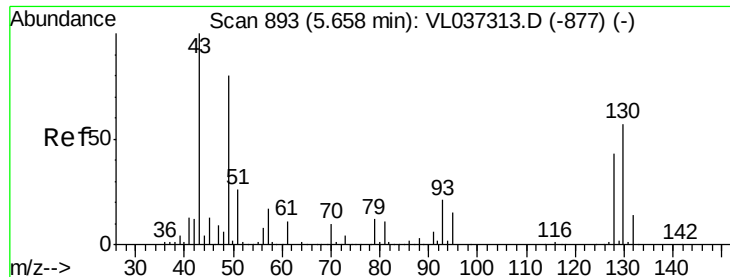
Instrument :  
MSVOA\_L  
ClientSampleId :  
SVP-5DL

Manual Integrations  
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8/5/2021 1:41:21 PM

Quant Time: Aug 05 08:49:18 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Aug  
QLast Update : Wed Aug 04 22:53:01 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Instrument :

MSVOA\_L

ClientSampleId :

SVP-5DL

Tot Ion: 49 Resp: 1057820

Ion Ratio Lower Upper

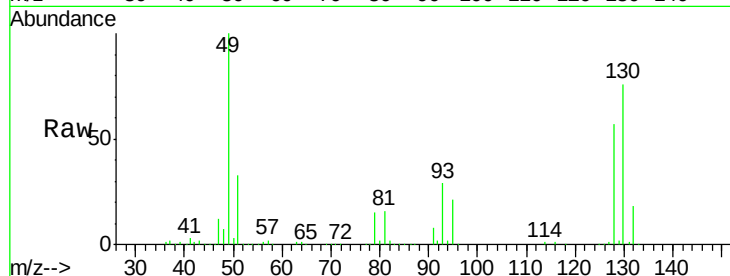
49 100

128 60.4 29.8 89.5

130 78.3 37.5 112.7

Manual Integrations  
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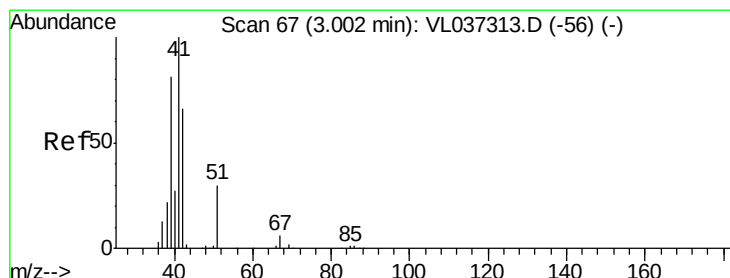
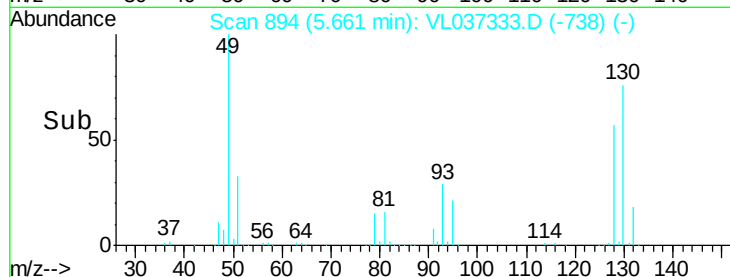
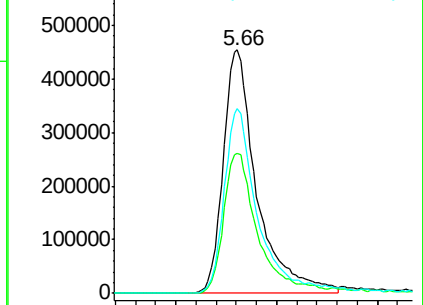
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.124 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037333.D

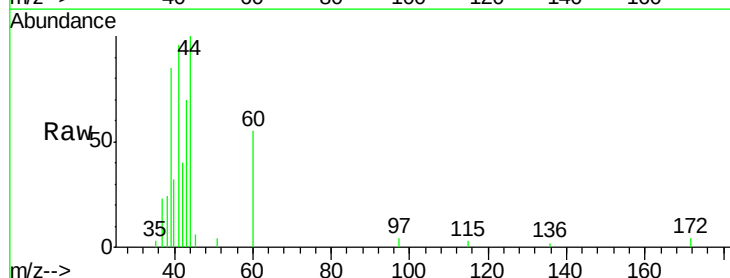
Acq: 5 Aug 2021 7:57

Tgt Ion: 41 Resp: 9637

Ion Ratio Lower Upper

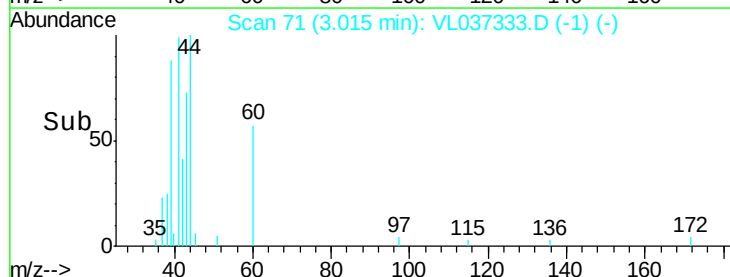
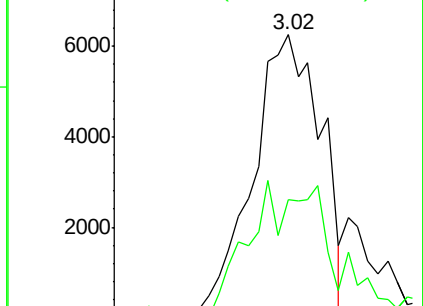
41 100

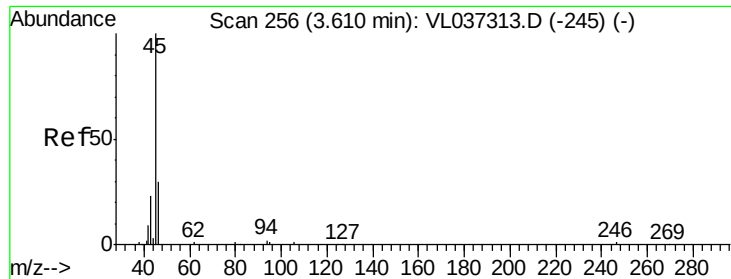
42 63.6 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





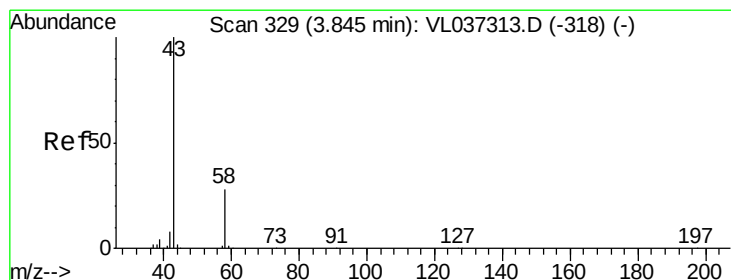
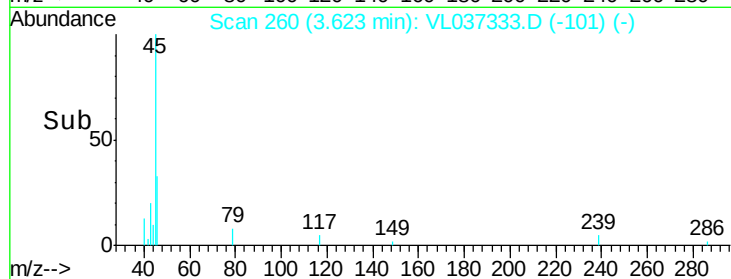
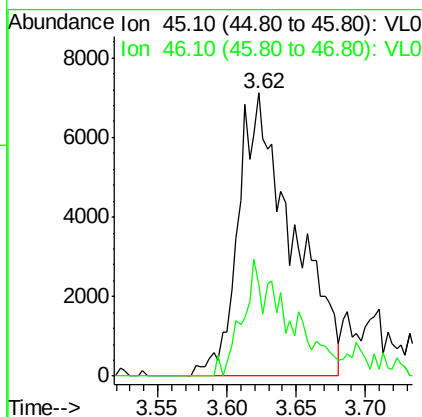
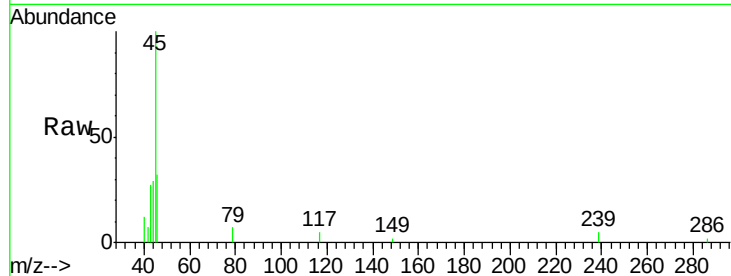
#13  
Ethanol  
Concen: 1.657 ppbv m  
RT: 3.62 min Scan# 260  
Delta R.T. 0.01 min  
Lab File: VL037333.D  
Acq: 5 Aug 2021 7:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
SVP-5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 46      | 0.0   | 16.6  | 66.4# |

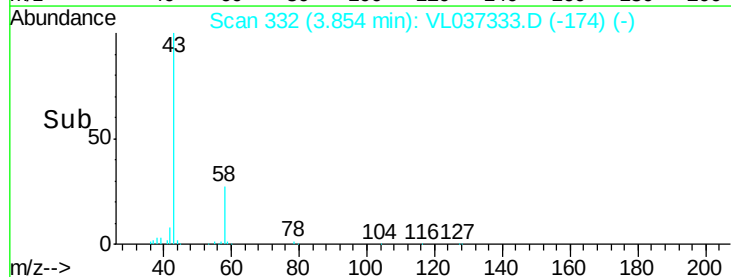
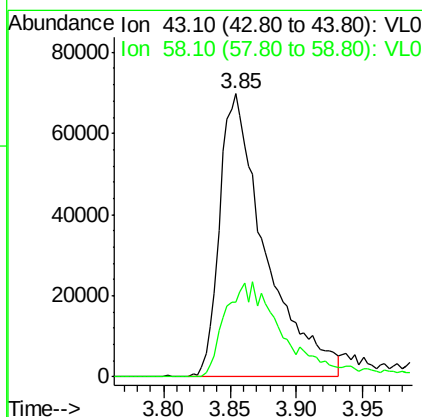
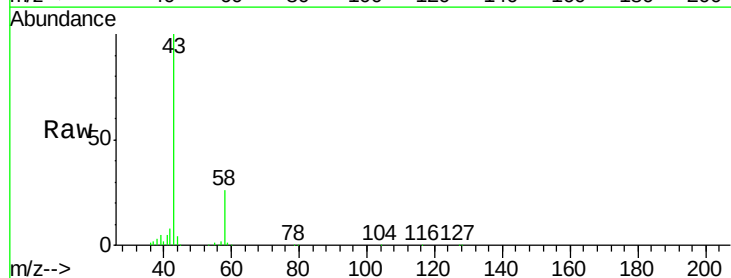
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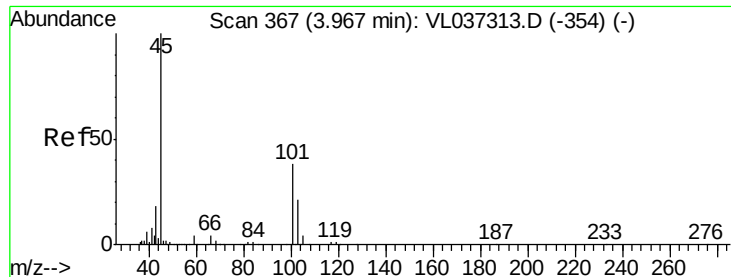
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#15  
Acetone  
Concen: 1.461 ppbv  
RT: 3.85 min Scan# 332  
Delta R.T. 0.01 min  
Lab File: VL037333.D  
Acq: 5 Aug 2021 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 44.5  | 25.3  | 37.9# |





#19

Isopropyl Alcohol

Concen: 0.168 ppbv

RT: 4.01 min Scan# 381

Delta R.T. 0.04 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Instrument :

MSVOA\_L

ClientSampled :

SVP-5DL

Tot Ion: 45 Resp: 10658

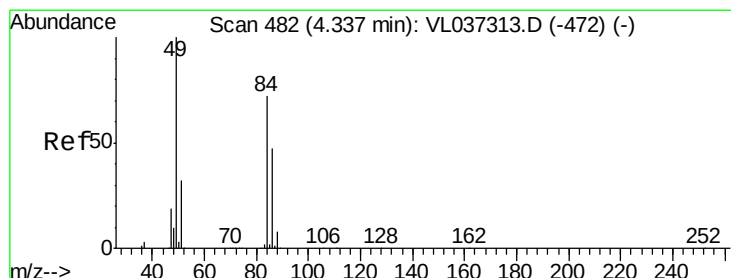
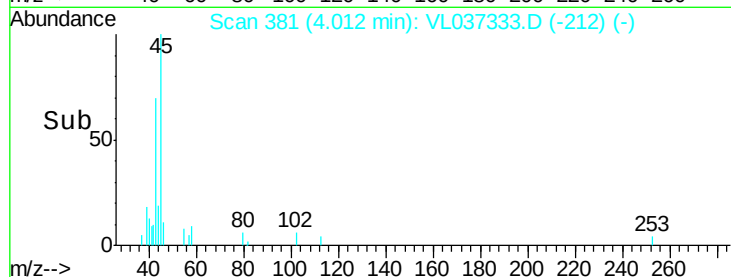
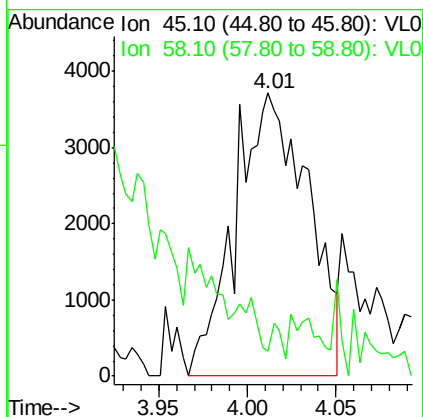
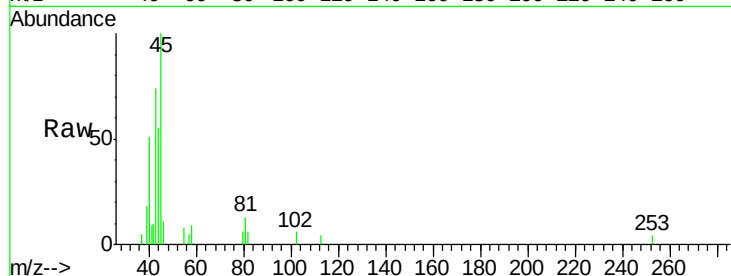
Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#

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#20

Methylene Chloride

Concen: 1.965 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Tgt Ion: 84 Resp: 186888

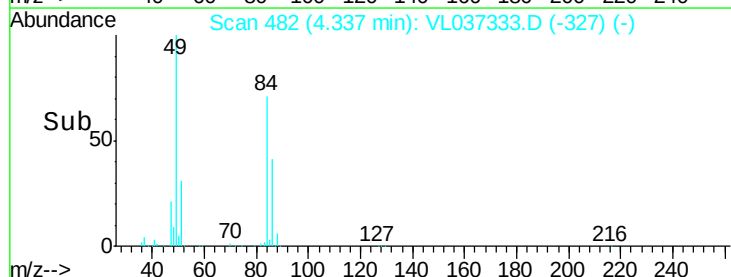
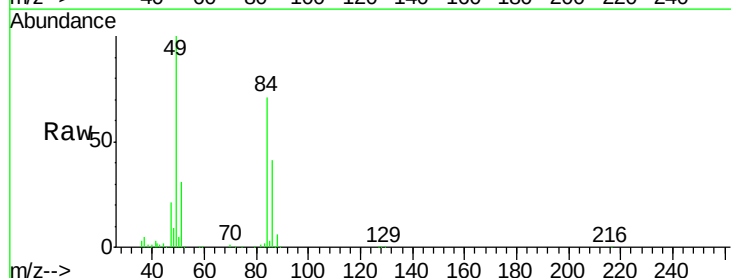
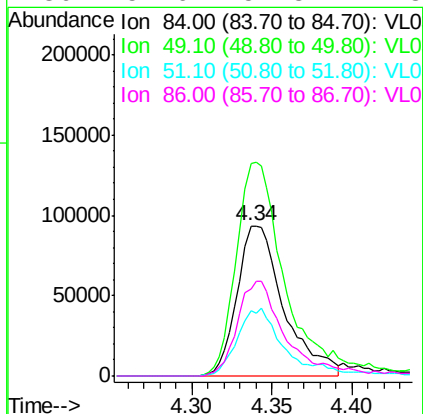
Ion Ratio Lower Upper

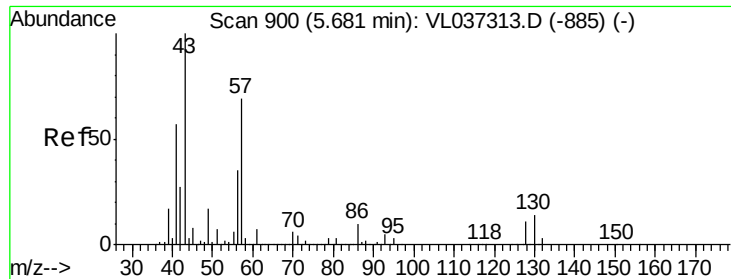
84 100

49 141.1 110.4 165.6

51 43.2 35.8 53.6

86 57.6 51.8 77.8





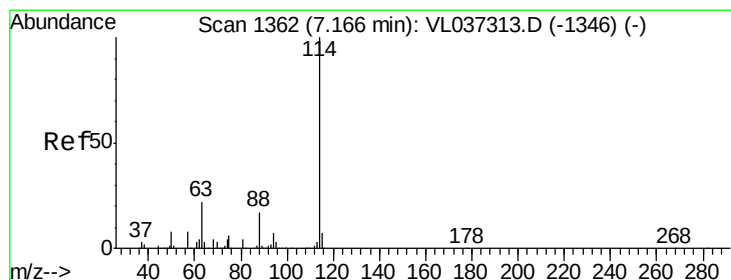
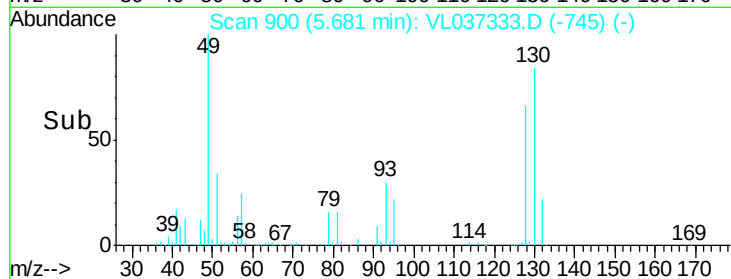
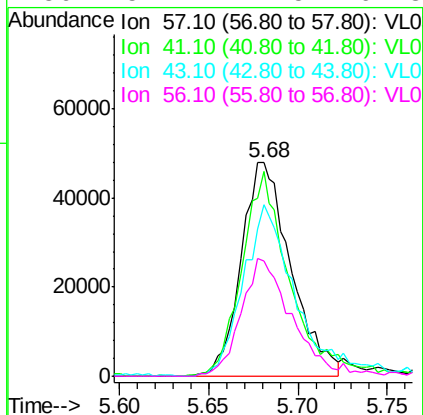
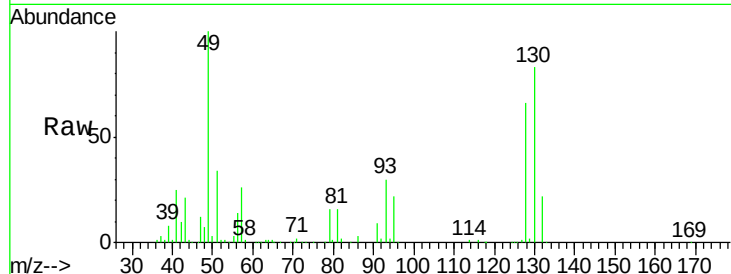
#26  
Hexane  
Concen: 0.557 ppbv  
RT: 5.68 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VL037333.D  
Acq: 5 Aug 2021 7:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
SVP-5DL

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 57      | 100  |       | 93051  |       |       |
| 41      | 94.1 | 67.5  | 101.3  |       |       |
| 43      | 88.6 | 163.0 | 244.4# |       |       |
| 56      | 57.7 | 41.5  | 62.3   |       |       |

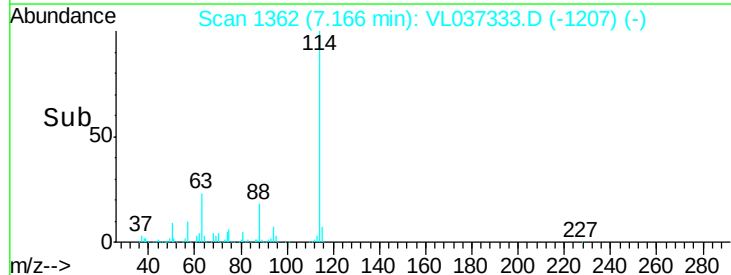
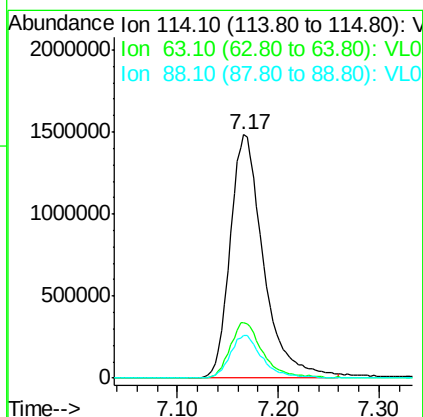
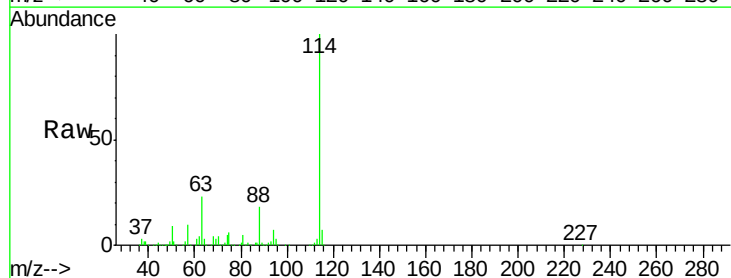
Manual Integrations  
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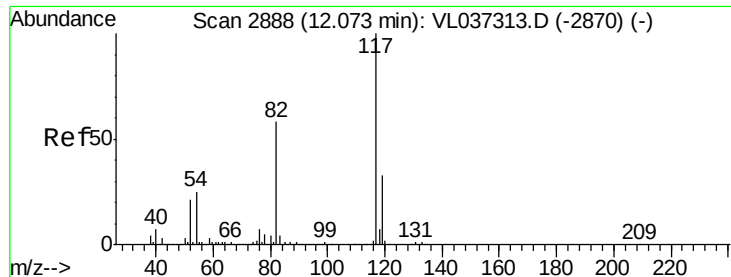
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.17 min Scan# 1362  
Delta R.T. -0.00 min  
Lab File: VL037333.D  
Acq: 5 Aug 2021 7:57

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 114     | 100  |       | 3421724 |       |       |
| 63      | 22.8 | 18.1  | 27.1    |       |       |
| 88      | 17.3 | 13.8  | 20.8    |       |       |





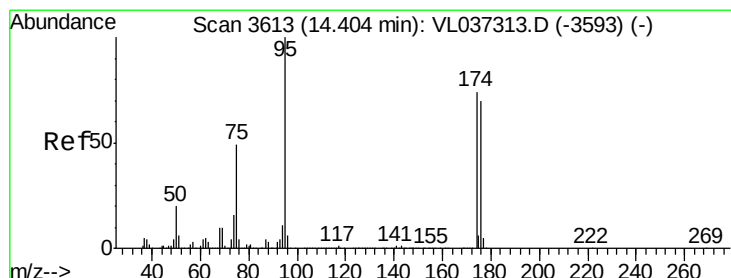
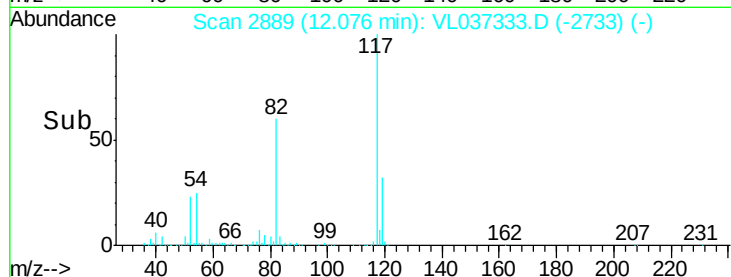
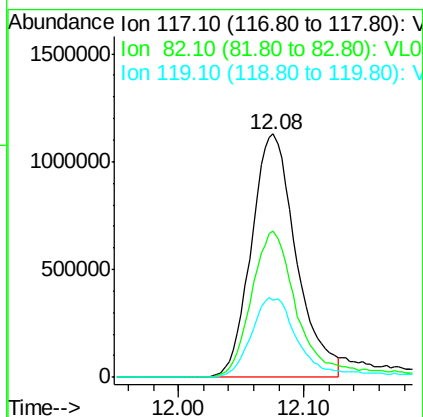
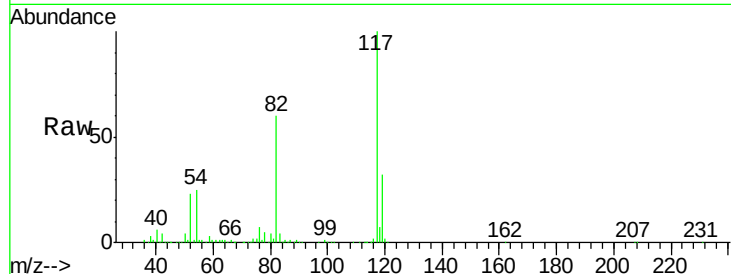
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2889  
Delta R.T. 0.00 min  
Lab File: VL037333.D  
Acq: 5 Aug 2021 7:57

Instrument :  
MSVOA\_L  
ClientSampled :  
SVP-5DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 67.7  | 50.3  | 75.5  |
| 119     | 37.1  | 48.2  | 72.2# |

Manual Integrations  
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8/5/2021 1:41:21 PM



#68  
1-Bromo-4-Fluorobenzene  
Concen: 11.078 ppbv  
RT: 14.40 min Scan# 3612  
Delta R.T. -0.00 min  
Lab File: VL037333.D  
Acq: 5 Aug 2021 7:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.7  | 66.9  | 100.3 |
| 175     | 5.4   | 5.1   | 7.7   |

