

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041019\  
 Data File : VL033580.D  
 Acq On : 11 Apr 2019 1:36  
 Operator : SY/AP  
 Sample : K2312-03DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 A-8DL

Quant Time: Apr 11 05:06:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Mar 26 16:00:50 2019  
 QLast Update : Tue Mar 26 16:00:50 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 789940   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1808088  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1825373  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1462739  | 10.22    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.20% |

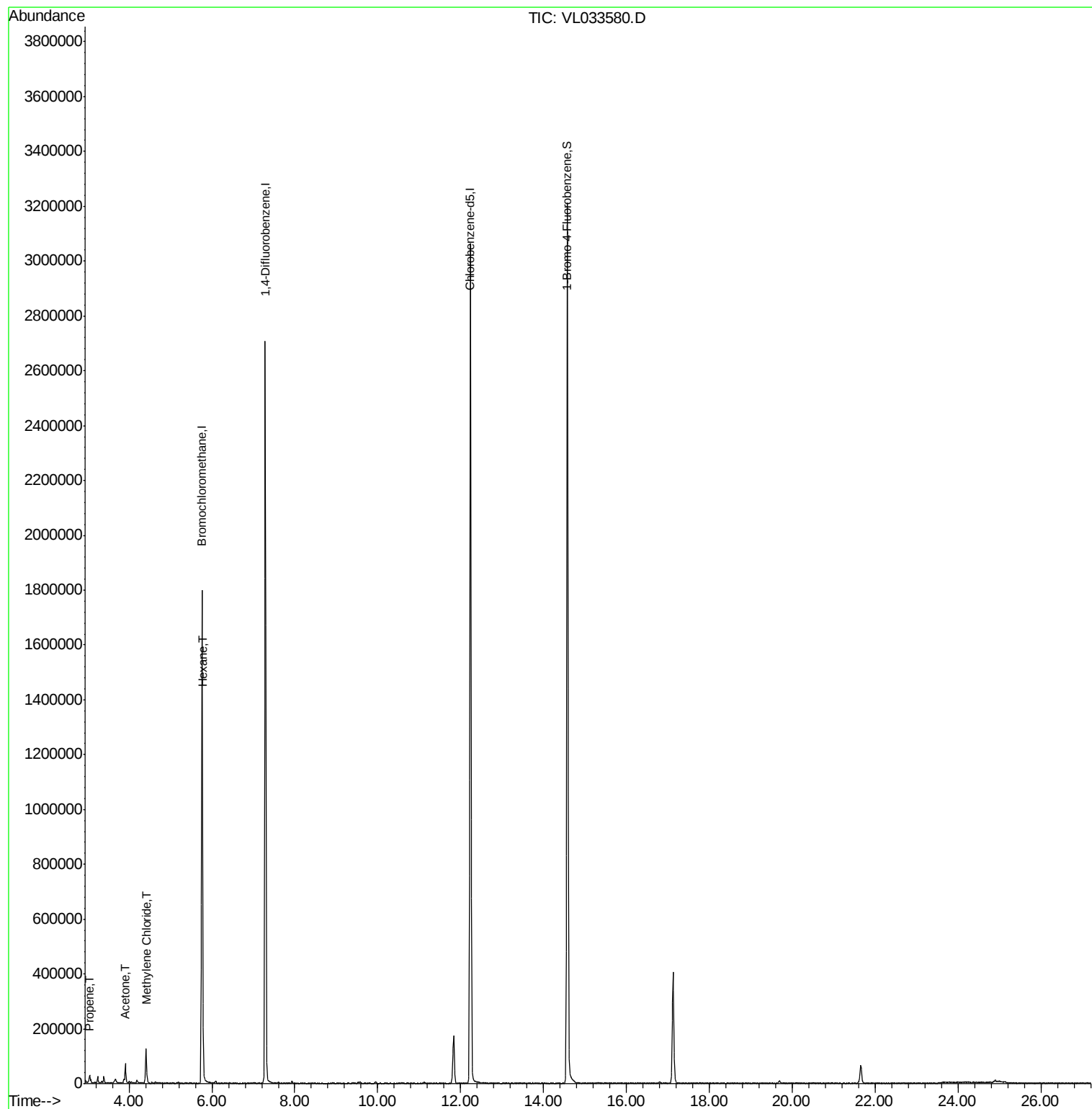
| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|------------------------|------|------|----------|-------|--------|--------|
| 9) Propene             | 3.05 | 41   | 4924     | 0.129 | ppbv # | 79     |
| 15) Acetone            | 3.91 | 43   | 68584    | 0.722 | ppbv   | 97     |
| 20) Methylene Chloride | 4.41 | 84   | 41460    | 1.028 | ppbv   | 91     |
| 26) Hexane             | 5.78 | 57   | 35432    | 0.452 | ppbv # | 53     |

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

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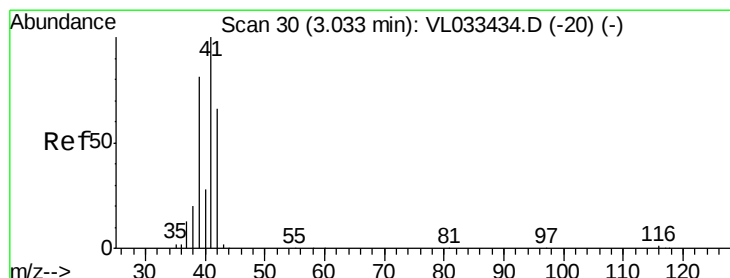
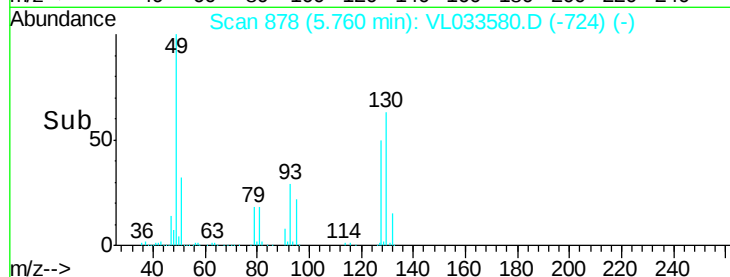
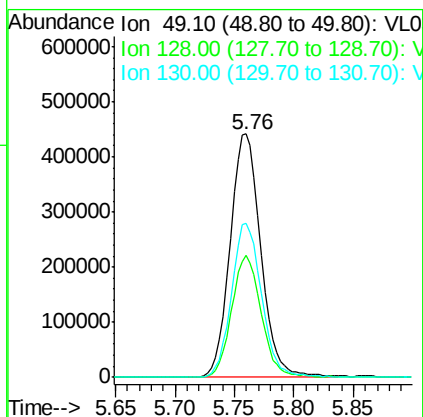
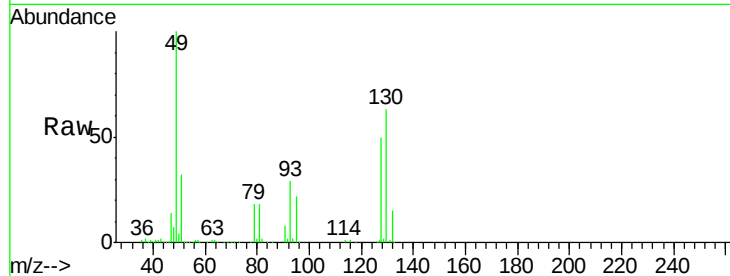




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.76 min Scan# 878  
 Delta R.T. -0.00 min  
 Lab File: VL033580.D  
 Acq: 11 Apr 2019 1:36

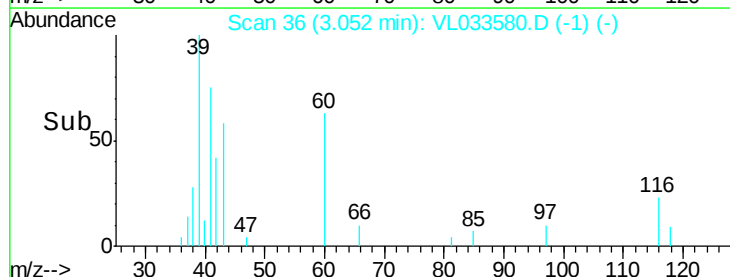
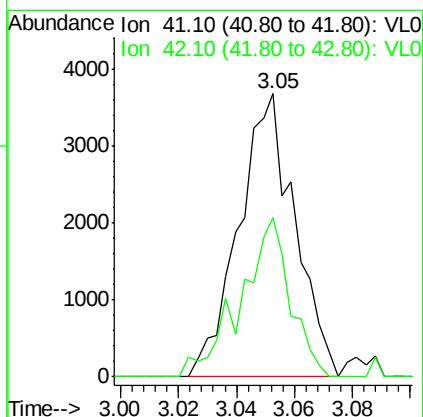
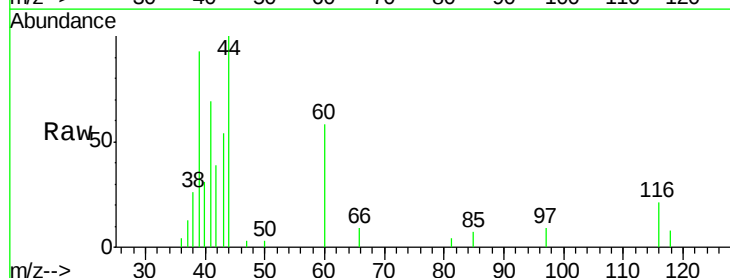
Instrument :  
 MSVOA\_L  
 ClientSampled :  
 A-8DL

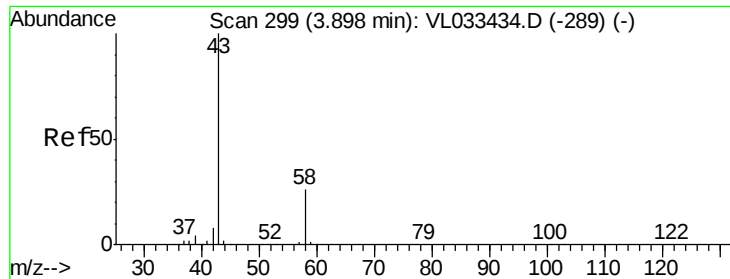
Tot Ion: 49 Resp: 789940  
 Ion Ratio Lower Upper  
 49 100  
 128 48.8 24.0 72.0  
 130 62.1 31.2 93.6



#9  
 Propene  
 Concen: 0.129 ppbv  
 RT: 3.05 min Scan# 36  
 Delta R.T. 0.02 min  
 Lab File: VL033580.D  
 Acq: 11 Apr 2019 1:36

Tgt Ion: 41 Resp: 4924  
 Ion Ratio Lower Upper  
 41 100  
 42 50.1 53.9 80.9#





#15

Acetone

Concen: 0.722 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033580.D

Acq: 11 Apr 2019 1:36

Instrument :

MSVOA\_L

ClientSampleId :

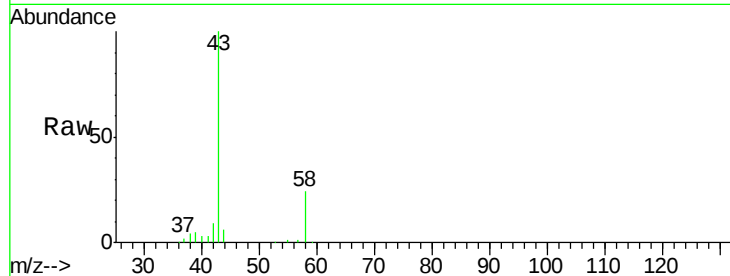
A-8DL

Tot Ion: 43 Resp: 68584

Ion Ratio Lower Upper

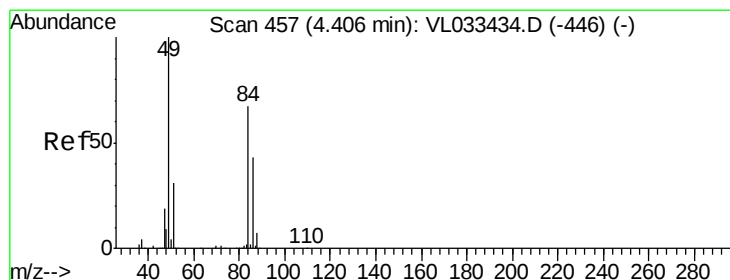
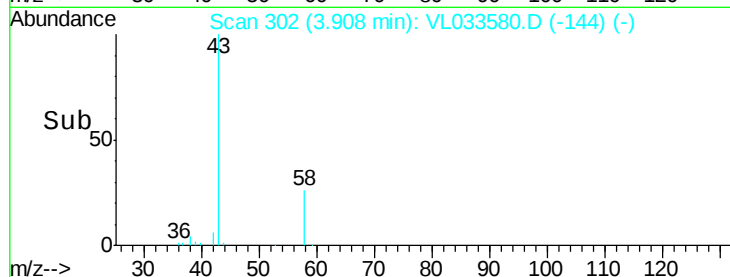
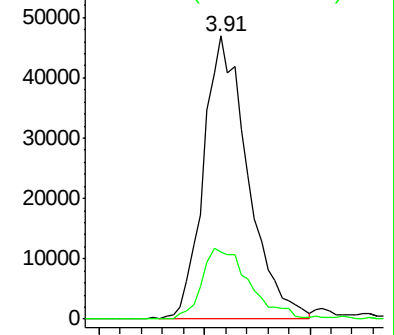
43 100

58 27.3 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.028 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL033580.D

Acq: 11 Apr 2019 1:36

Tgt Ion: 84 Resp: 41460

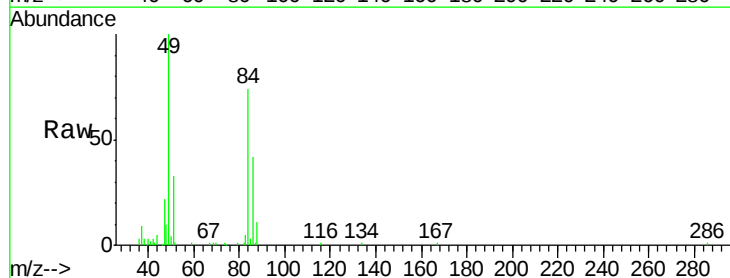
Ion Ratio Lower Upper

84 100

49 135.5 120.0 180.0

51 45.0 36.7 55.1

86 56.5 51.9 77.9

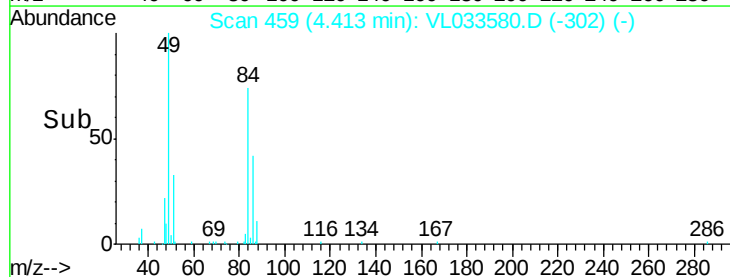
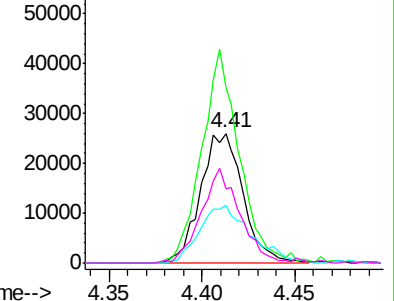


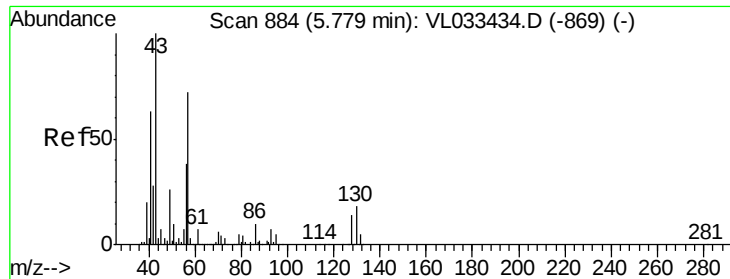
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

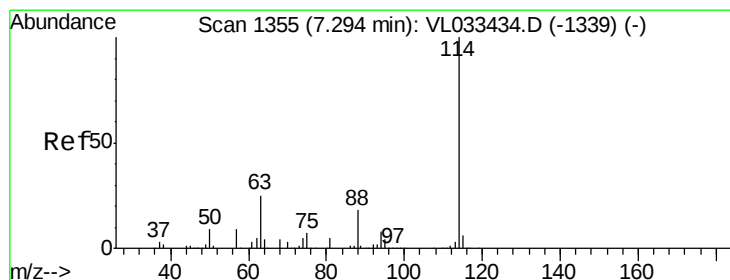
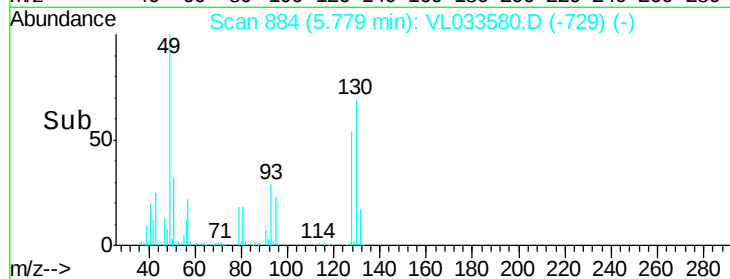
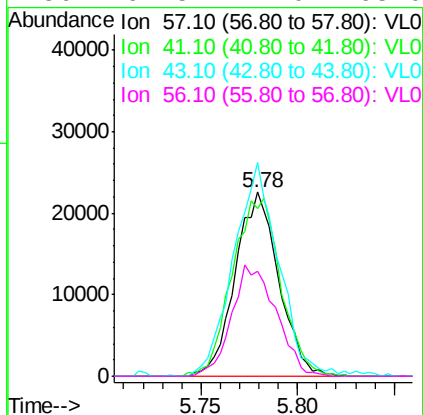
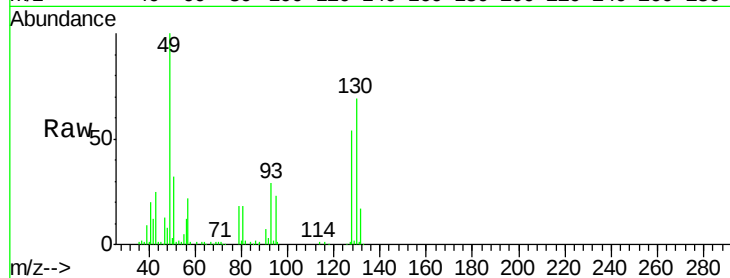




#26  
Hexane  
Concen: 0.452 ppbv  
RT: 5.78 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: VL033580.D  
Acq: 11 Apr 2019 1:36

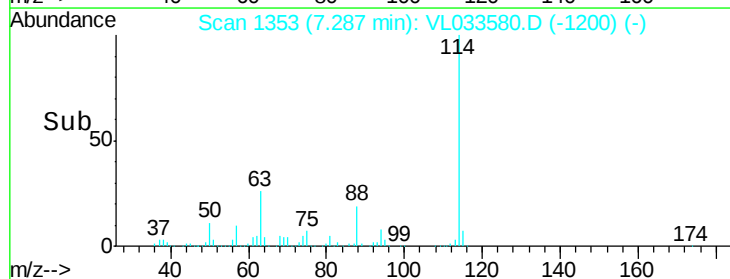
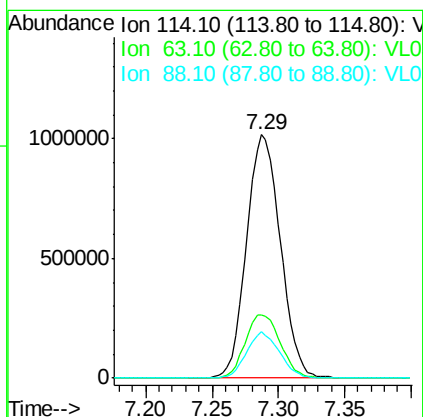
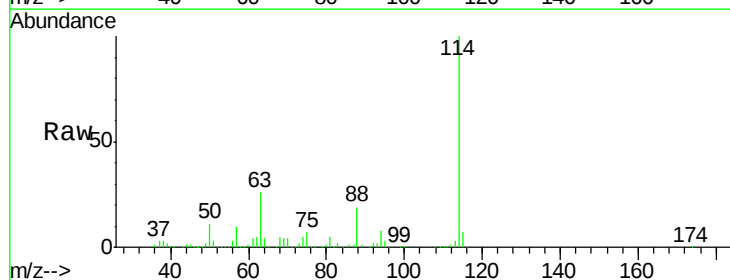
Instrument :  
MSVOA\_L  
ClientSampleId :  
A-8DL

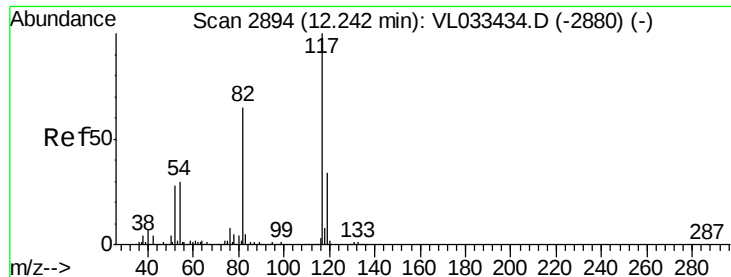
Tot Ion: 57 Resp: 35432  
Ion Ratio Lower Upper  
57 100  
41 108.1 70.7 106.1#  
43 121.4 182.6 274.0#  
56 61.5 42.0 63.0



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.29 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: VL033580.D  
Acq: 11 Apr 2019 1:36

Tgt Ion:114 Resp: 1808088  
Ion Ratio Lower Upper  
114 100  
63 27.2 21.5 32.3  
88 18.4 14.5 21.7

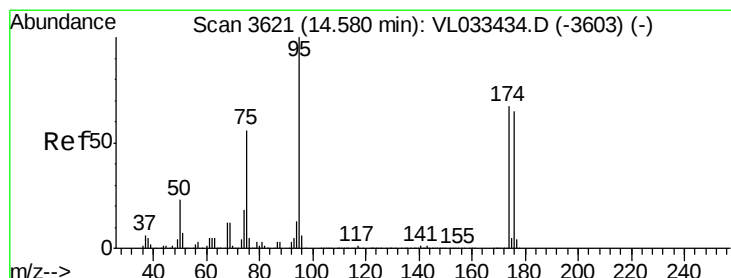
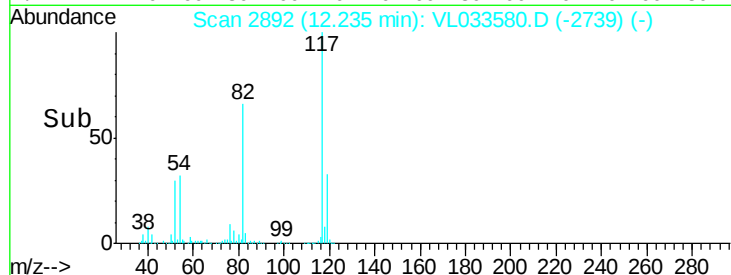
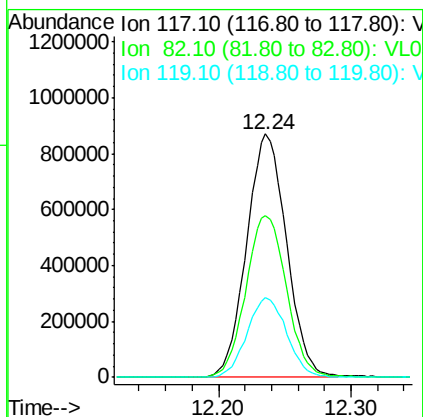
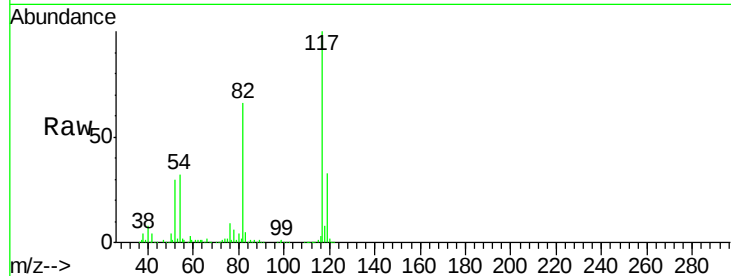




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.24 min Scan# 2892  
Delta R.T. -0.01 min  
Lab File: VL033580.D  
Acq: 11 Apr 2019 1:36

Instrument :  
MSVOA\_L  
ClientSampleId :  
A-8DL

Tot Ion:117 Resp: 1825373  
Ion Ratio Lower Upper  
117 100  
82 68.1 51.5 77.3  
119 32.8 25.5 38.3



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.222 ppbv  
RT: 14.57 min Scan# 3619  
Delta R.T. -0.01 min  
Lab File: VL033580.D  
Acq: 11 Apr 2019 1:36

Tgt Ion: 95 Resp: 1462739  
Ion Ratio Lower Upper  
95 100  
174 66.7 52.9 79.3  
175 4.7 3.8 5.6

