

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100719\  
 Data File : VL034236.D  
 Acq On : 8 Oct 2019 00:16  
 Operator : SY/AP  
 Sample : K5225-05DL 10X  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1DL

Manual Integrations  
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 10/11/2019 5:05:38 PM

Quant Time: Oct 09 03:51:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep 18  
 QLast Update : Wed Sep 18 12:53:31 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.69  | 49   | 1064509  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.21  | 114  | 1766261  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.15 | 117  | 1774629  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.49  | 95    | 1589083  | 10.31    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

| Target Compounds         | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------|-------|------|----------|-------|--------|--------|
| 3) Chlorodifluoromethane | 2.97  | 51   | 153919   | 1.233 | ppbv   | 100    |
| 13) Ethanol              | 3.60  | 45   | 104590   | 7.014 | ppbv   | 96     |
| 15) Acetone              | 3.85  | 43   | 123700   | 0.867 | ppbv   | 99     |
| 19) Isopropyl Alcohol    | 3.99  | 45   | 37797    | 0.431 | ppbv # | 91     |
| 76) 1,4-Dichlorobenzene  | 17.21 | 146  | 236508m  | 1.566 | ppbv   |        |

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

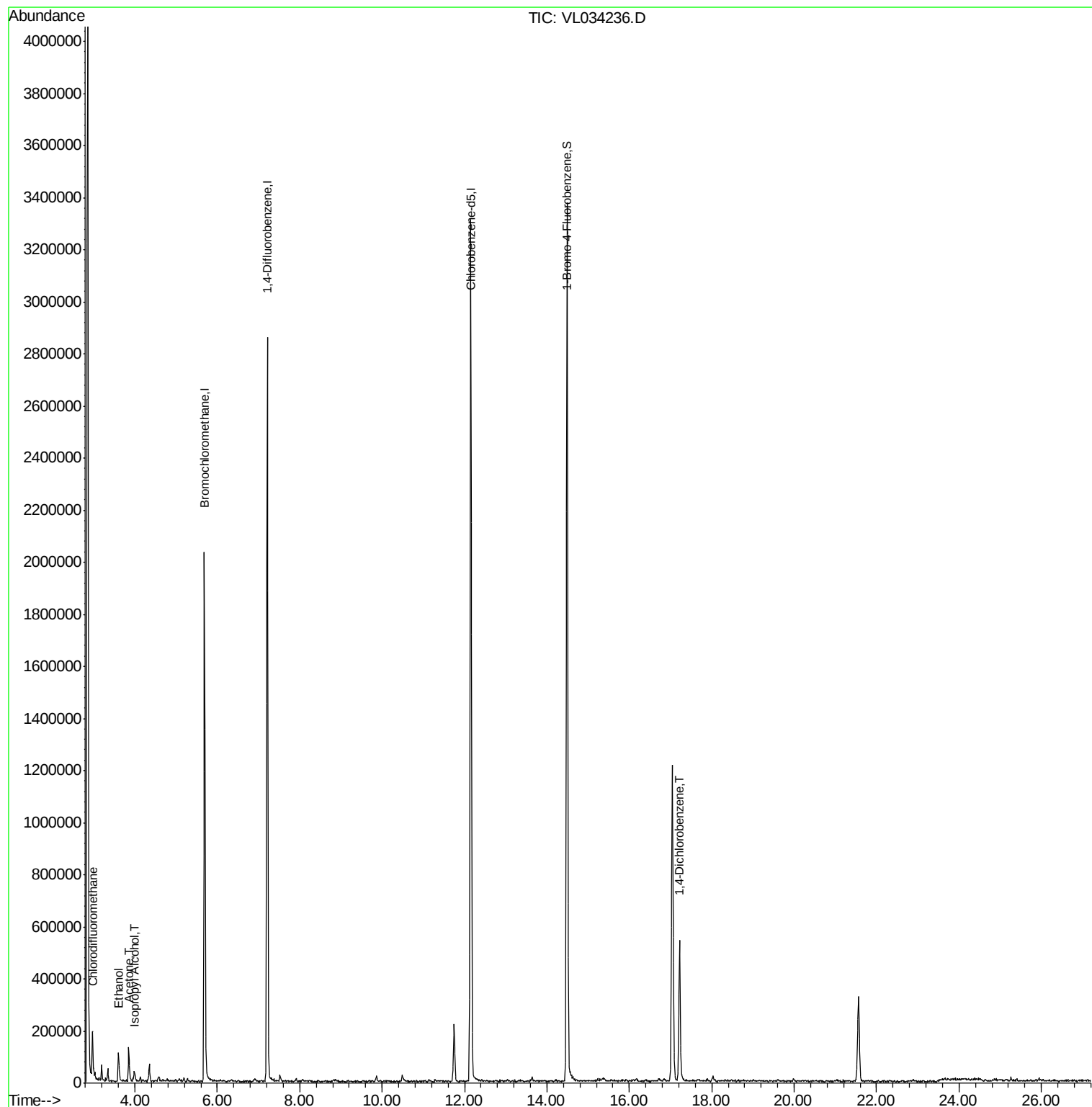
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL100719\  
Data File : VL034236.D  
Acq On : 8 Oct 2019 00:16  
Operator : SY/AP  
Sample : K5225-05DL 10X  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

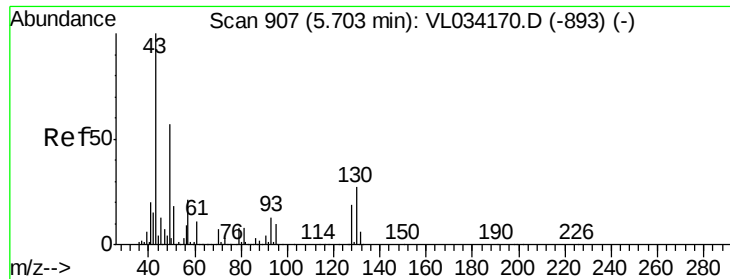
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

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Quant Time: Oct 09 03:51:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep  
QLast Update : Wed Sep 18 12:53:31 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034236.D

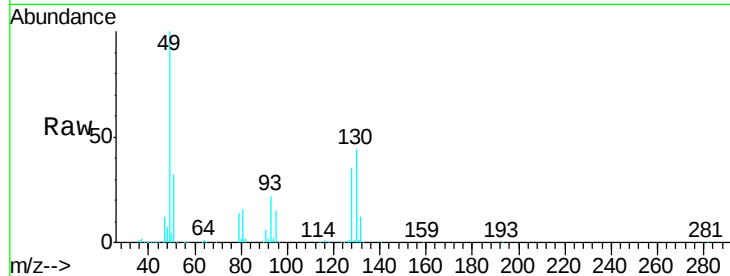
Acq: 8 Oct 2019 00:16

Instrument :

MSVOA\_L

ClientSampled :

IA1DL



Tgt Ion: 49 Resp: 1064509

Ion Ratio Lower Upper

49 100

128 35.9 17.6 52.9

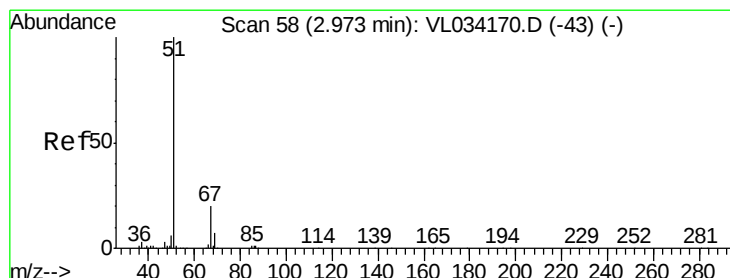
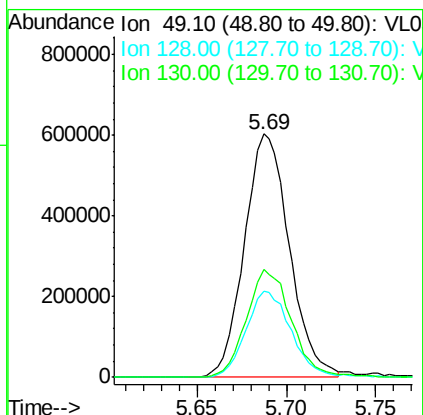
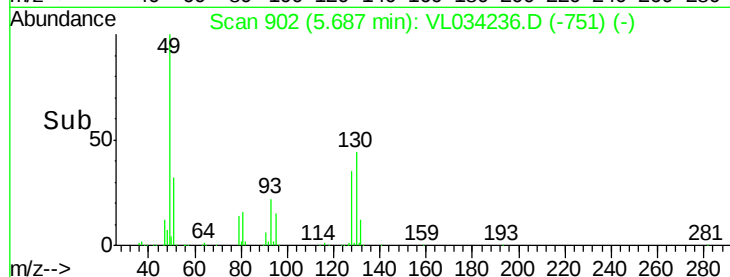
130 44.5 22.3 66.9

Manual Integrations

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#3

Chlorodifluoromethane

Concen: 1.233 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034236.D

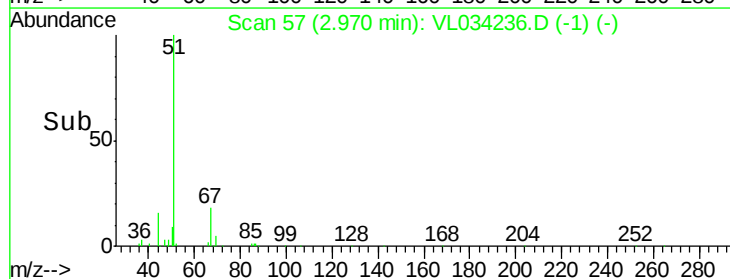
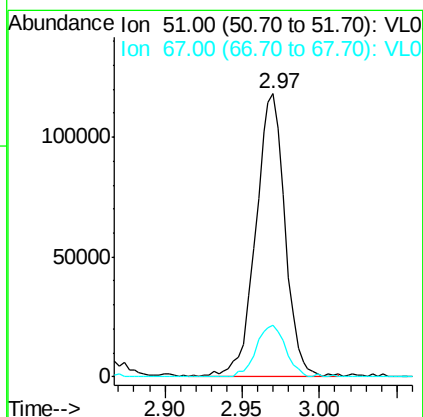
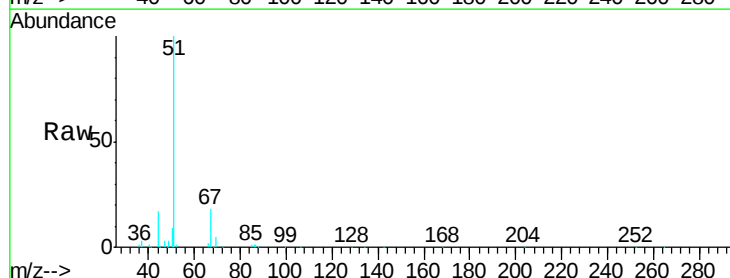
Acq: 8 Oct 2019 00:16

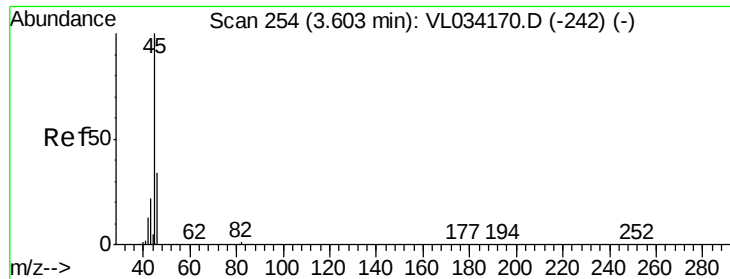
Tgt Ion: 51 Resp: 153919

Ion Ratio Lower Upper

51 100

67 18.7 14.8 22.2





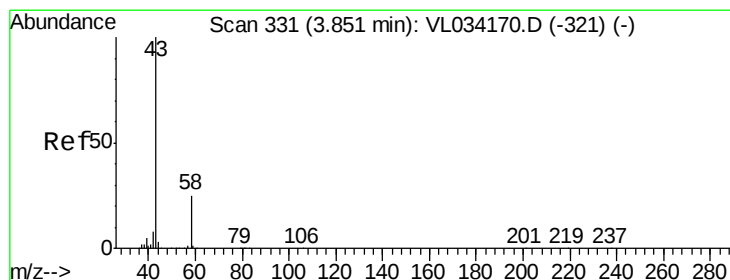
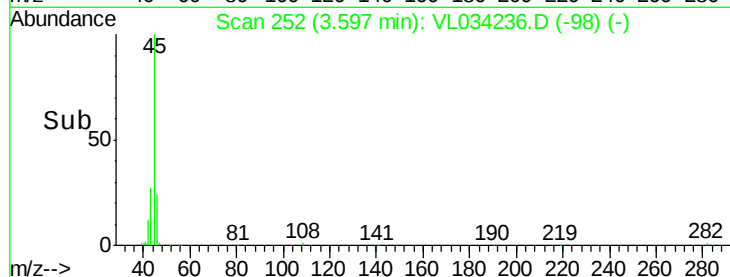
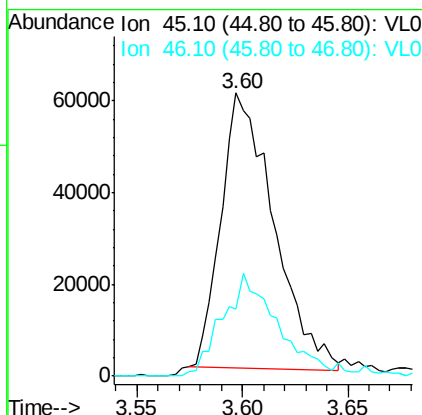
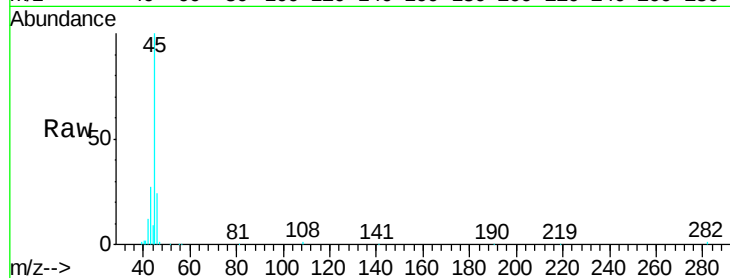
#13  
Ethanol  
Concen: 7.014 ppbv  
RT: 3.60 min Scan# 252  
Delta R.T. -0.01 min  
Lab File: VL034236.D  
Acq: 8 Oct 2019 00:16

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Tgt Ion: 45 Resp: 104590  
Ion Ratio Lower Upper  
45 100  
46 41.0 15.5 61.9

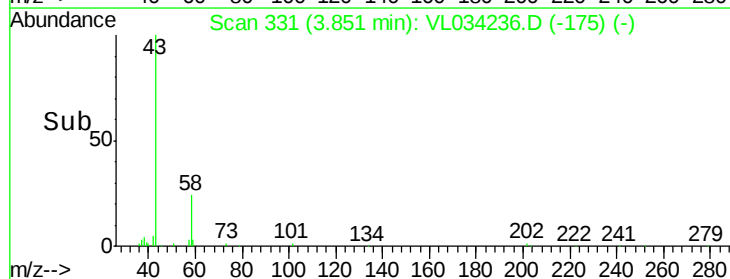
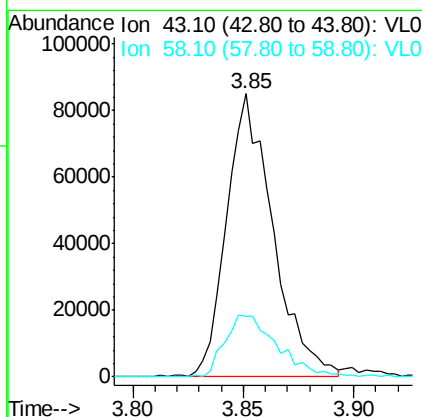
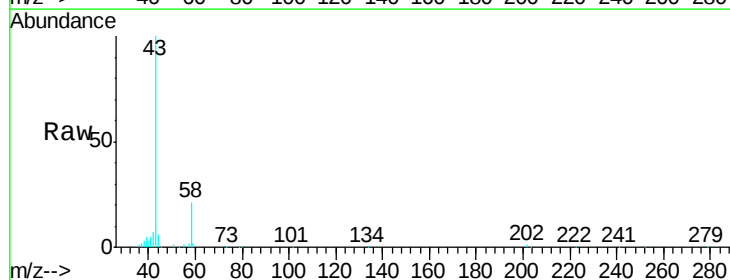
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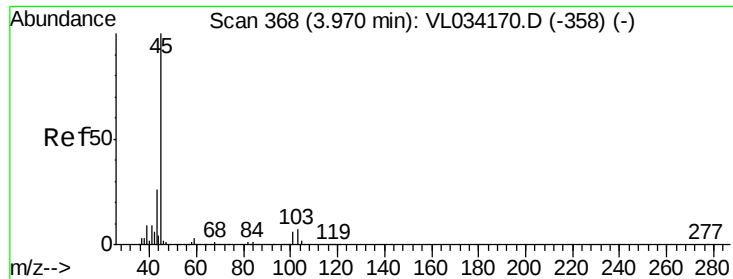
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#15  
Acetone  
Concen: 0.867 ppbv  
RT: 3.85 min Scan# 331  
Delta R.T. 0.00 min  
Lab File: VL034236.D  
Acq: 8 Oct 2019 00:16

Tgt Ion: 43 Resp: 123700  
Ion Ratio Lower Upper  
43 100  
58 25.2 20.5 30.7





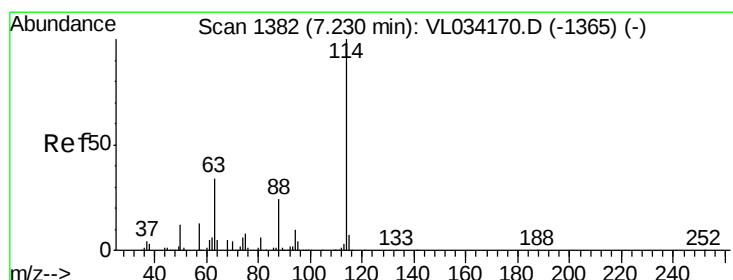
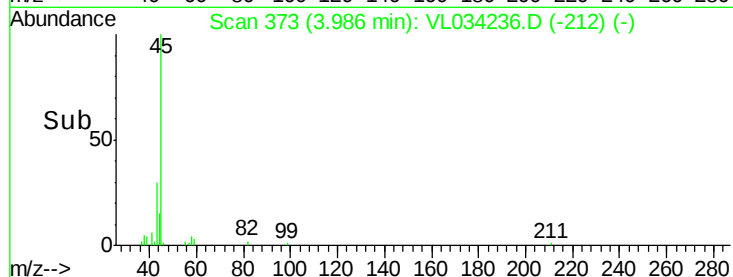
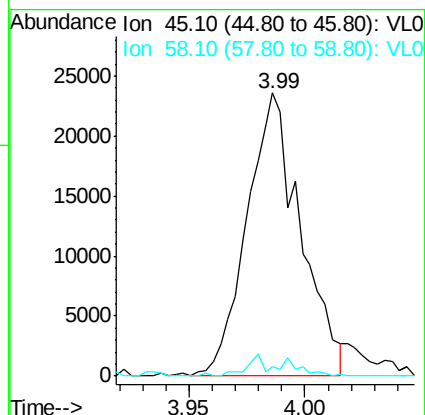
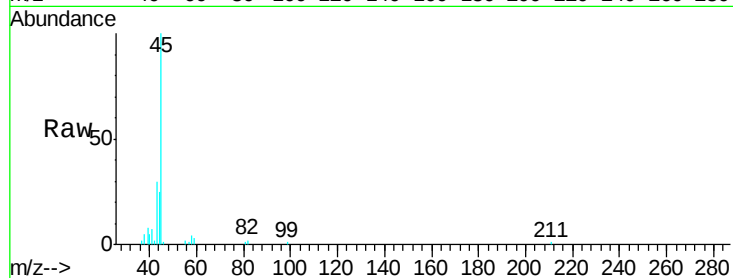
#19  
Isopropyl Alcohol  
Concen: 0.431 ppbv  
RT: 3.99 min Scan# 373  
Delta R.T. 0.02 min  
Lab File: VL034236.D  
Acq: 8 Oct 2019 00:16

Instrument :  
MSVOA\_L  
ClientSampled :  
IA1DL

Tgt Ion: 45 Resp: 37797  
Ion Ratio Lower Upper  
45 100  
58 4.9 1.4 2.0#

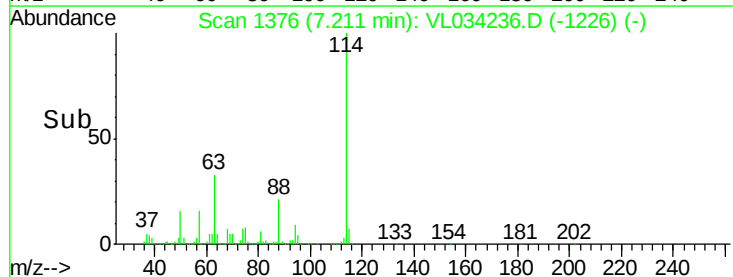
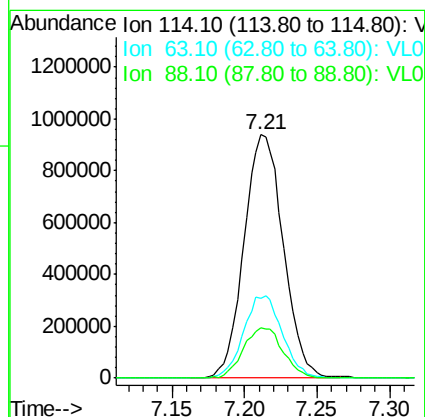
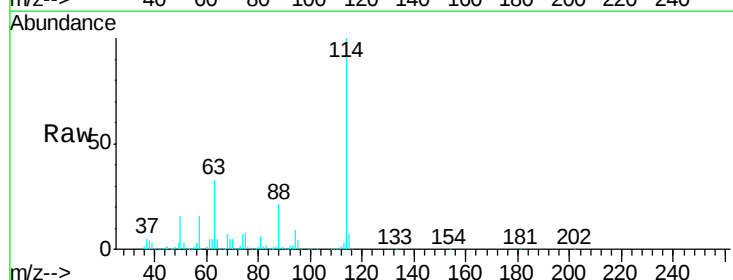
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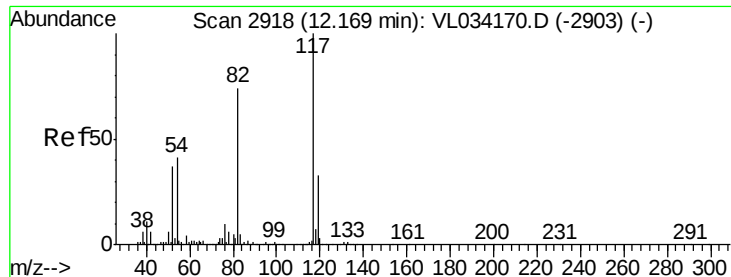
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.21 min Scan# 1376  
Delta R.T. -0.02 min  
Lab File: VL034236.D  
Acq: 8 Oct 2019 00:16

Tgt Ion: 114 Resp: 1766261  
Ion Ratio Lower Upper  
114 100  
63 33.7 27.8 41.6  
88 20.9 17.1 25.7





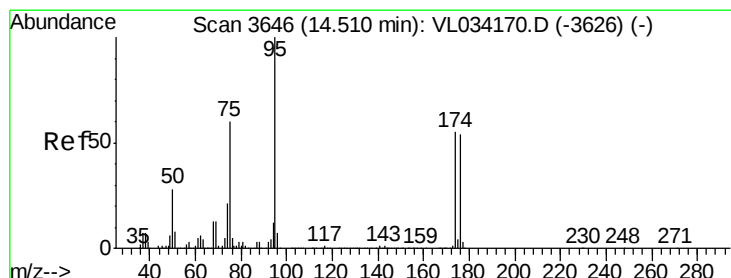
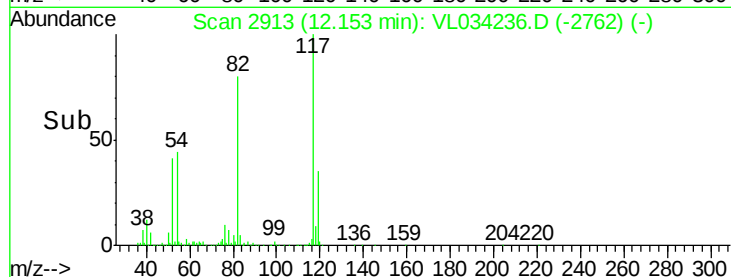
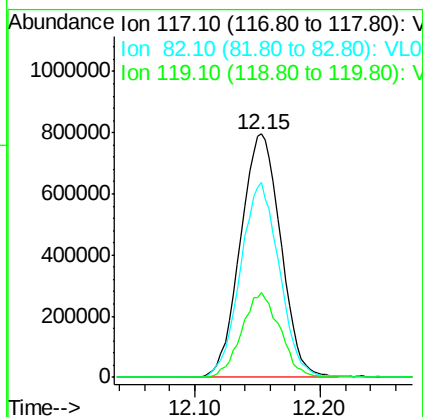
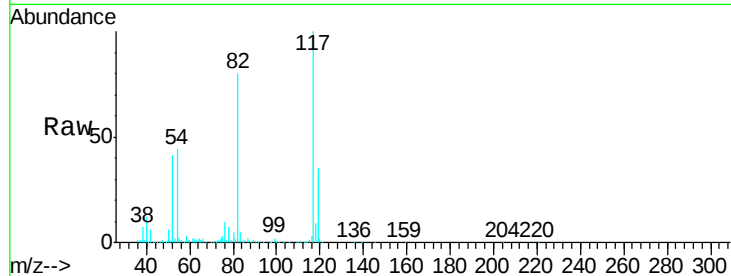
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.15 min Scan# 2913  
Delta R.T. -0.02 min  
Lab File: VL034236.D  
Acq: 8 Oct 2019 00:16

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Tgt Ion: 117 Resp: 1774629  
Ion Ratio Lower Upper  
117 100  
82 77.6 58.2 87.4  
119 33.2 23.7 35.5

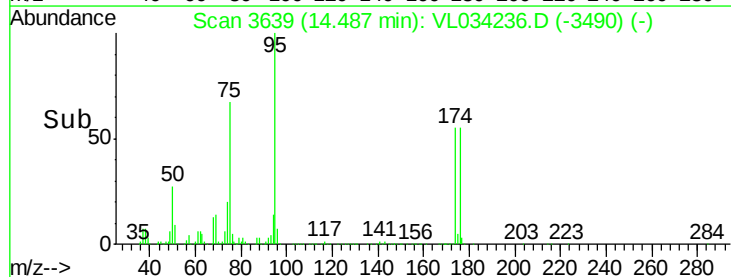
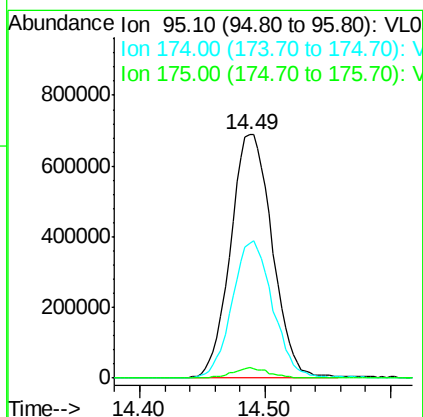
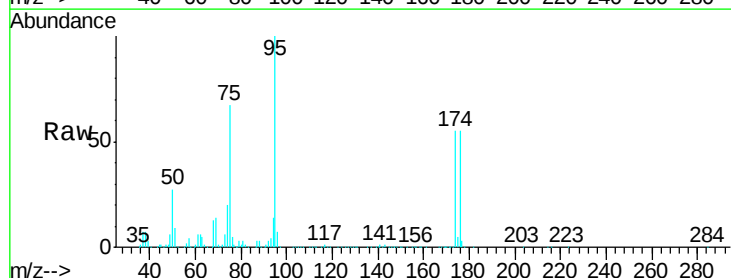
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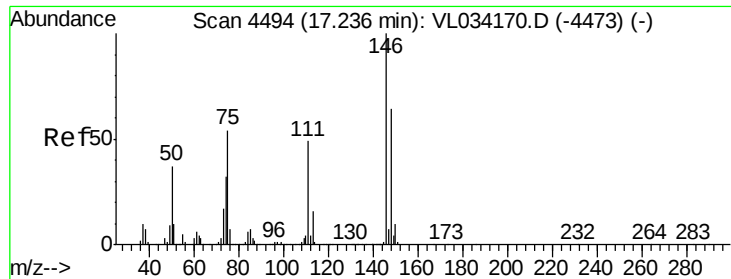
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.305 ppbv  
RT: 14.49 min Scan# 3639  
Delta R.T. -0.02 min  
Lab File: VL034236.D  
Acq: 8 Oct 2019 00:16

Tgt Ion: 95 Resp: 1589083  
Ion Ratio Lower Upper  
95 100  
174 55.1 45.1 67.7  
175 3.8 3.3 4.9





#76

1,4-Dichlorobenzene

Concen: 1.566 ppbv m

RT: 17.21 min Scan# 4487

Delta R.T. -0.02 min

Lab File: VL034236.D

Acq: 8 Oct 2019 00:16

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

Tgt Ion:146 Resp: 236508

Ion Ratio Lower Upper

146 100

111 50.1 24.6 74.0

148 64.5 32.4 97.0

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