

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100819\  
 Data File : VL034262.D  
 Acq On : 8 Oct 2019 23:51  
 Operator : SY/AP  
 Sample : K5243-02DL 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 5:07:38 PM

Quant Time: Oct 09 05:57:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091719AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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   | 1104613  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.21  | 114  | 1803017  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.15 | 117  | 1804995  | 10.00 | ppbv  | -0.02    |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.49  | 95    | 1620797  | 10.33    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.30% |

| Target Compounds           | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.03 | 85   | 39342    | 0.241  | ppbv   | 93     |
| 9) Propene                 | 3.01 | 41   | 13846m   | 0.217  | ppbv   |        |
| 13) Ethanol                | 3.59 | 45   | 301831   | 19.507 | ppbv   | 96     |
| 15) Acetone                | 3.85 | 43   | 195000   | 1.317  | ppbv   | 99     |
| 19) Isopropyl Alcohol      | 3.97 | 45   | 711487   | 7.815  | ppbv # | 98     |
| 20) Methylene Chloride     | 4.35 | 84   | 32097    | 0.752  | ppbv # | 92     |

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

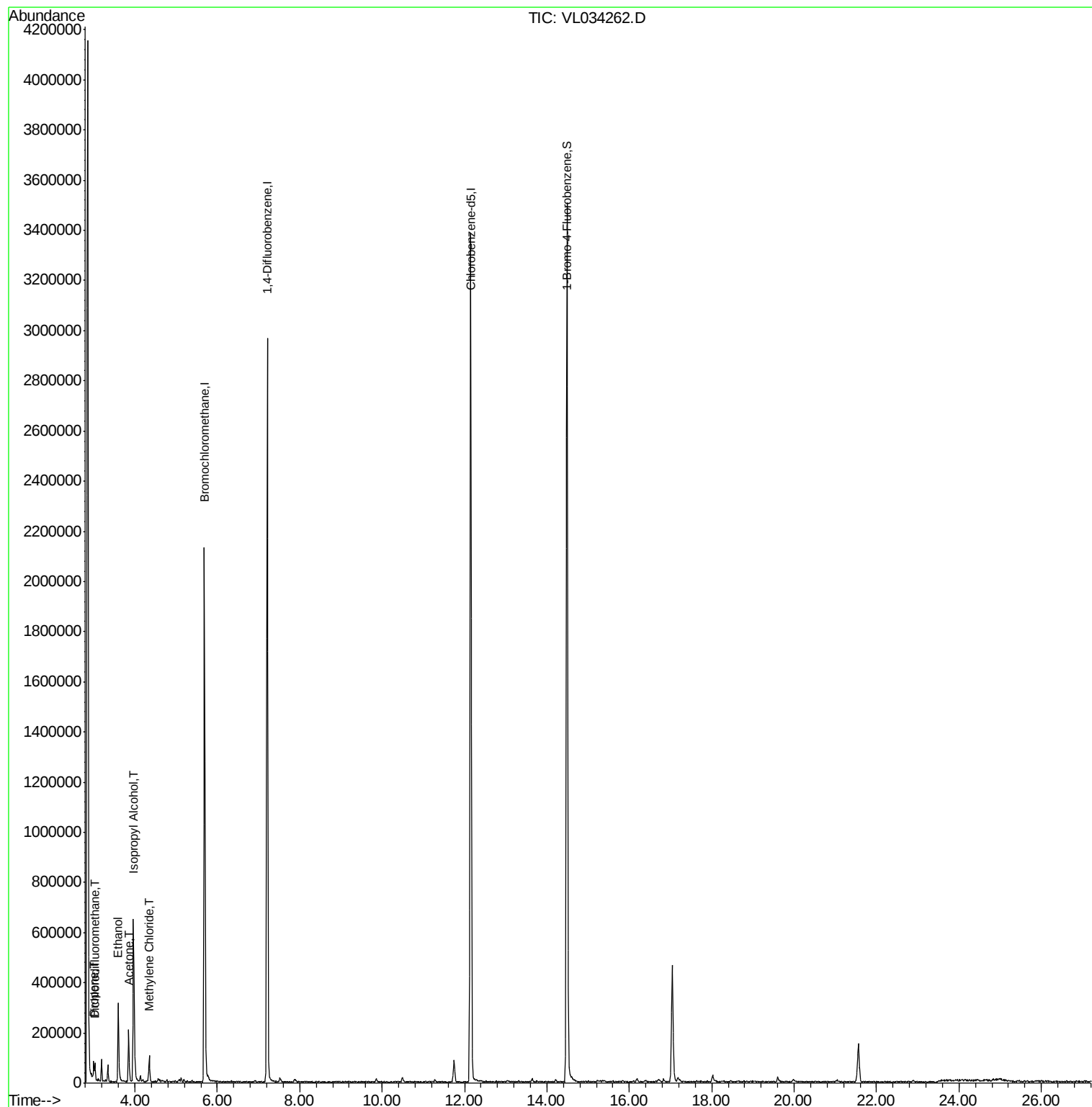
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL100819\  
Data File : VL034262.D  
Acq On : 8 Oct 2019 23:51  
Operator : SY/AP  
Sample : K5243-02DL 10X  
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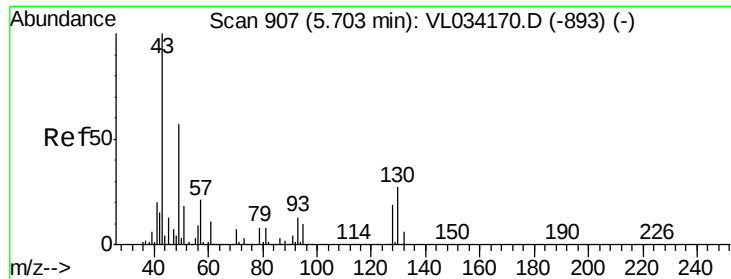
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

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Quant Time: Oct 09 05:57:06 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: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA\_L

ClientSampled :

IA1DL

Tgt Ion: 49 Resp: 1104613

Ion Ratio Lower Upper

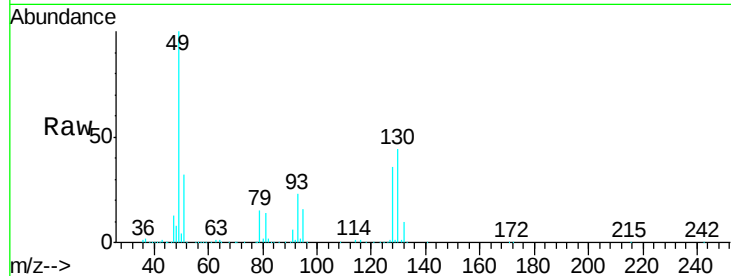
49 100

128 34.8 17.6 52.9

130 43.6 22.3 66.9

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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

5.69

800000

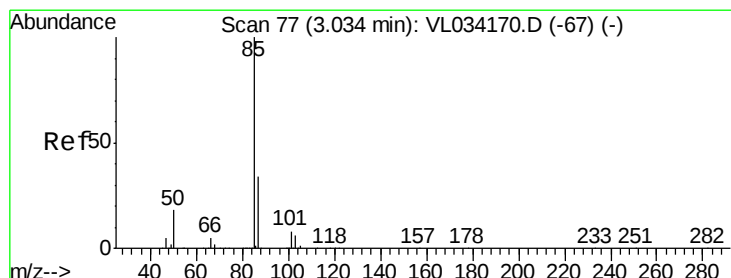
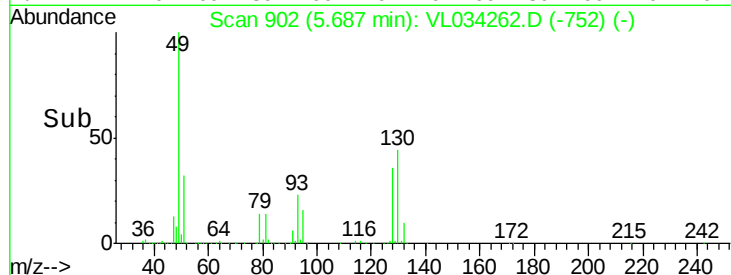
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.241 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034262.D

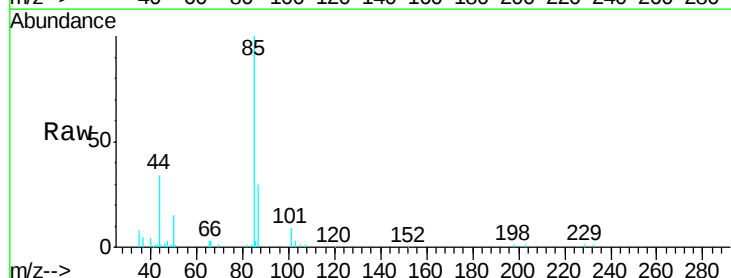
Acq: 8 Oct 2019 23:51

Tgt Ion: 85 Resp: 39342

Ion Ratio Lower Upper

85 100

87 29.9 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

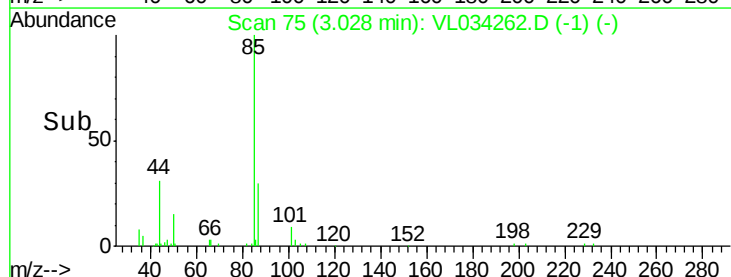
30000

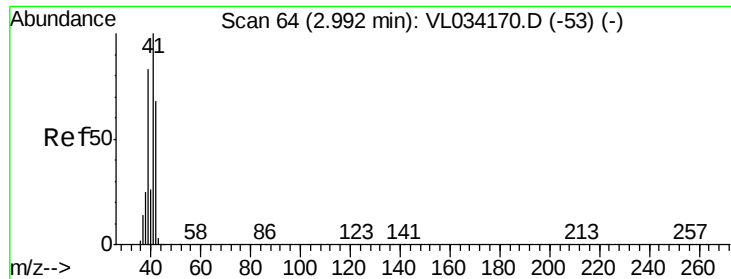
20000

10000

0

Time-->





#9

Propene

Concen: 0.217 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

Tgt Ion: 41 Resp: 13846

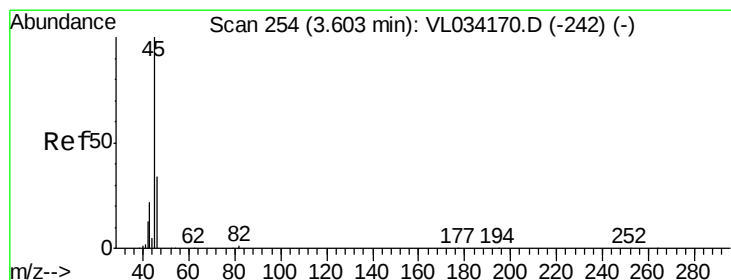
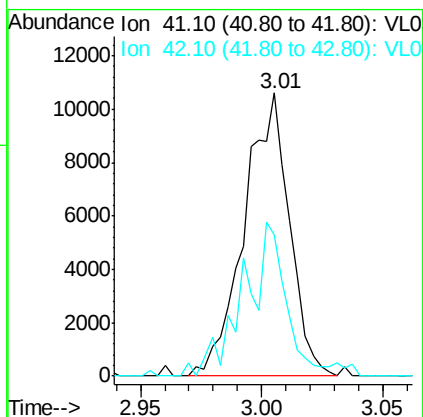
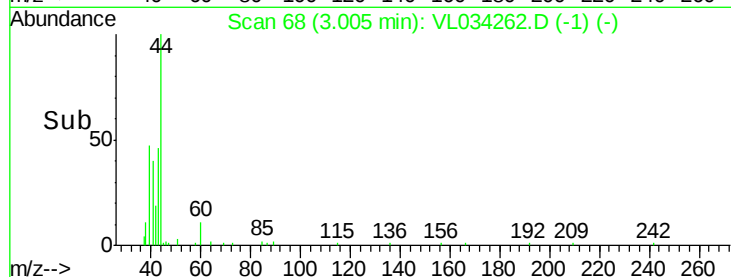
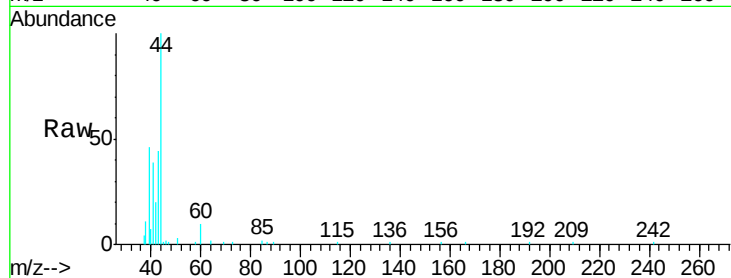
Ion Ratio Lower Upper

41 100

42 106.2 55.8 83.6#

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#13

Ethanol

Concen: 19.507 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL034262.D

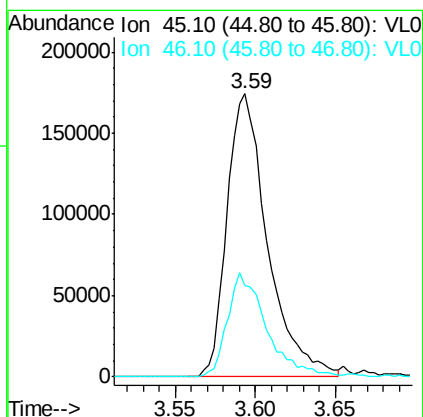
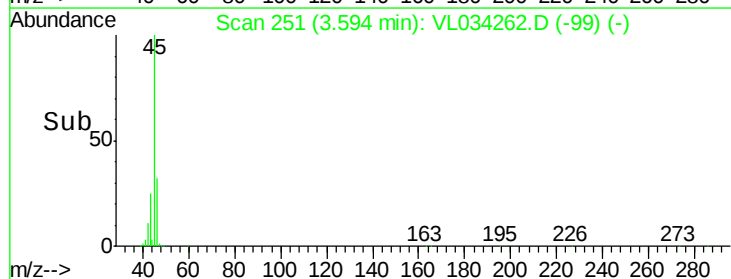
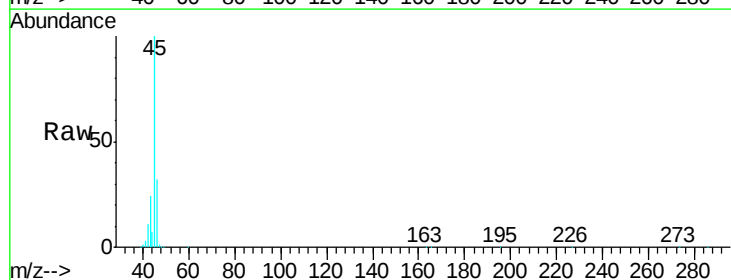
Acq: 8 Oct 2019 23:51

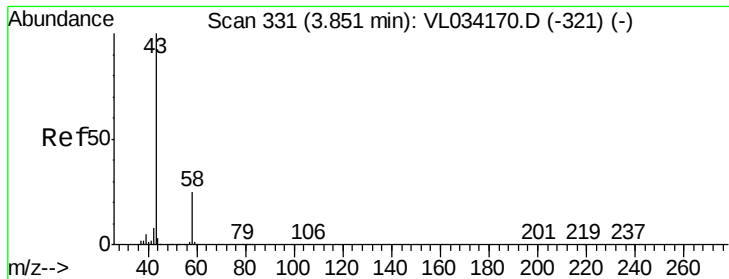
Tgt Ion: 45 Resp: 301831

Ion Ratio Lower Upper

45 100

46 36.0 15.5 61.9





#15

Acetone

Concen: 1.317 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

Tgt Ion: 43 Resp: 195000

Ion Ratio Lower Upper

43 100

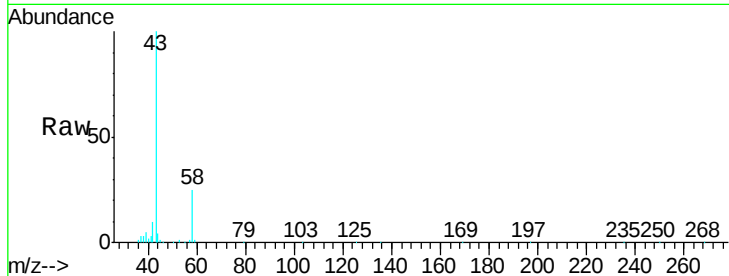
58 24.9 20.5 30.7

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

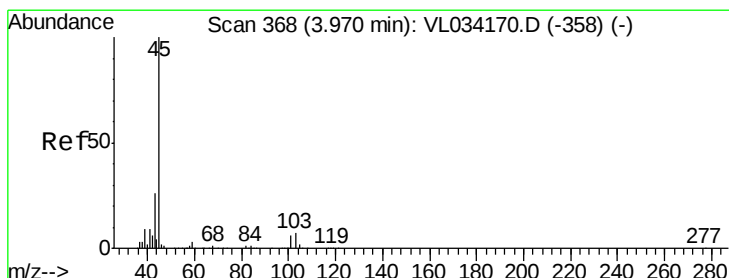
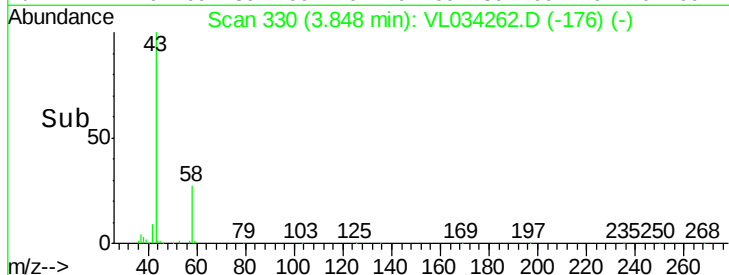
100000

50000

0

3.80 3.85 3.90

Time-->



#19

Isopropyl Alcohol

Concen: 7.815 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL034262.D

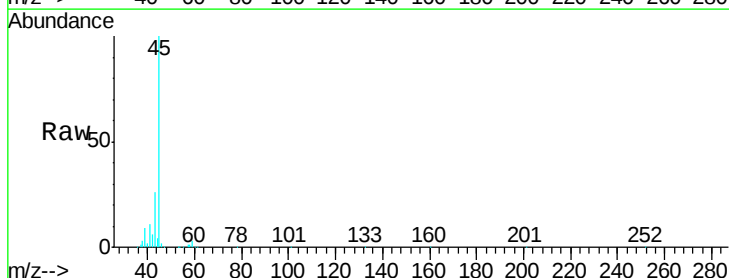
Acq: 8 Oct 2019 23:51

Tgt Ion: 45 Resp: 711487

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

400000

300000

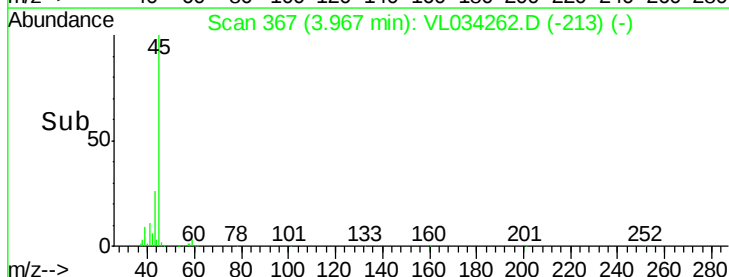
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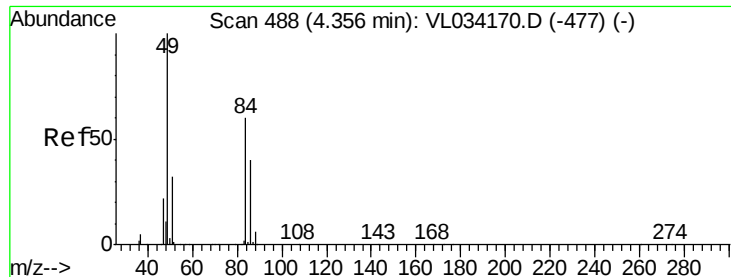
100000

0

3.90 3.95 4.00 4.05

Time-->





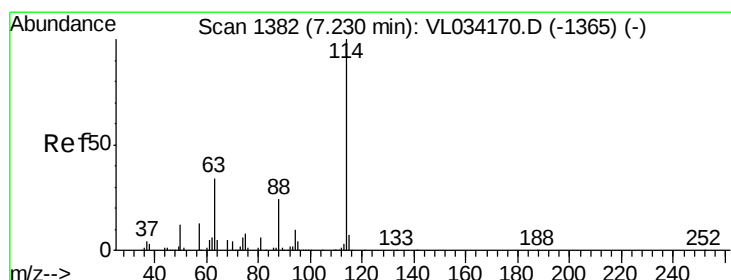
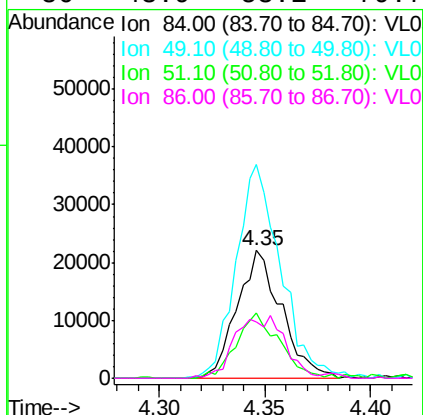
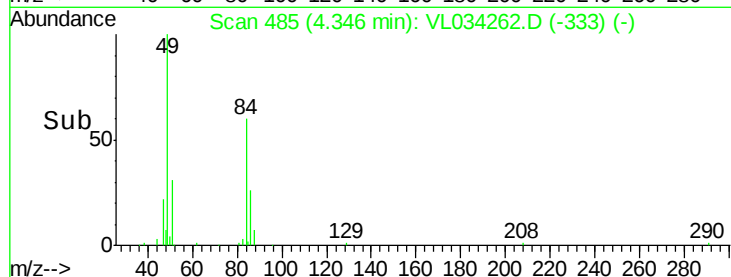
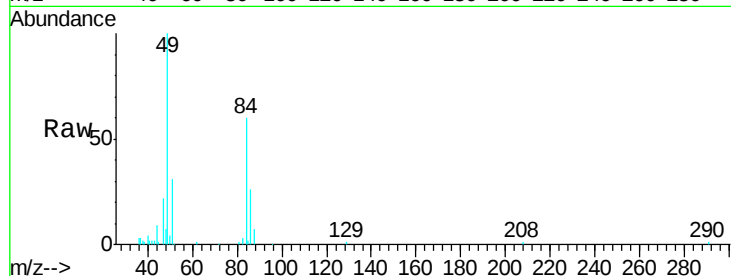
#20  
Methylene Chloride  
Concen: 0.752 ppbv  
RT: 4.35 min Scan# 485  
Delta R.T. -0.01 min  
Lab File: VL034262.D  
Acq: 8 Oct 2019 23:51

Instrument :  
MSVOA\_L  
ClientSampleID :  
IA1DL

Tgt Ion: 84 Resp: 32097  
Ion Ratio Lower Upper  
84 100  
49 165.9 133.8 200.8  
51 51.1 43.6 65.4  
86 43.9 53.1 79.7#

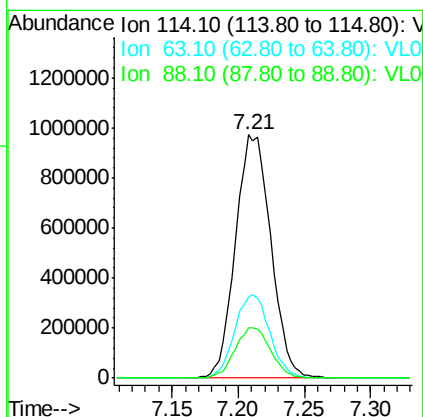
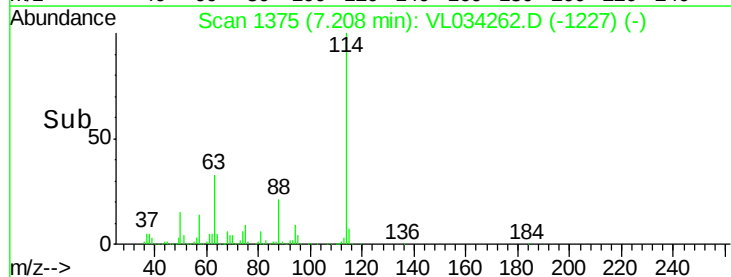
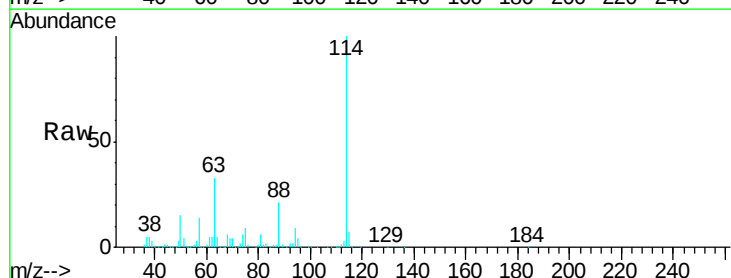
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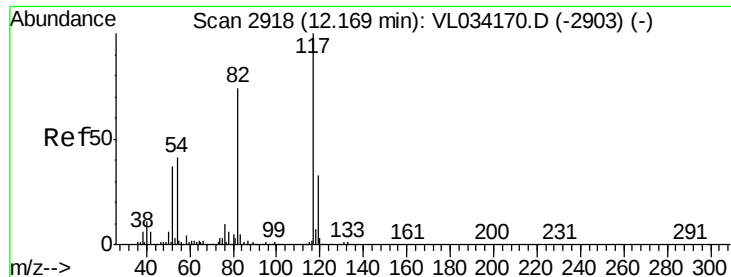
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.21 min Scan# 1375  
Delta R.T. -0.02 min  
Lab File: VL034262.D  
Acq: 8 Oct 2019 23:51

Tgt Ion: 114 Resp: 1803017  
Ion Ratio Lower Upper  
114 100  
63 34.1 27.8 41.6  
88 21.0 17.1 25.7





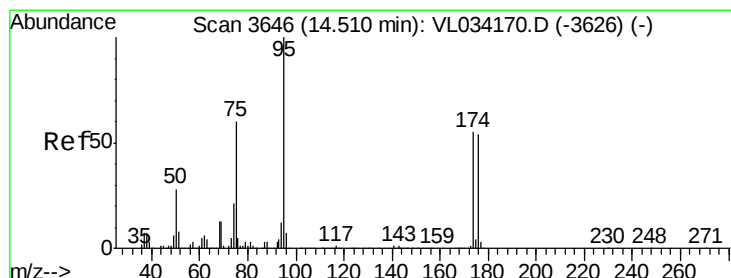
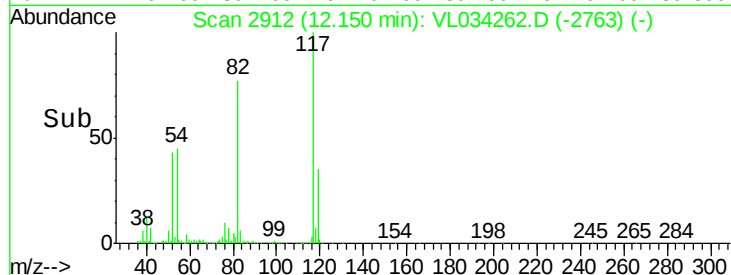
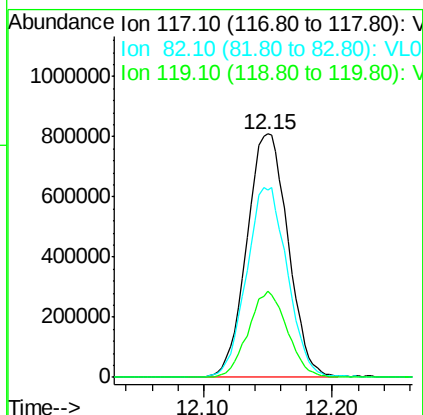
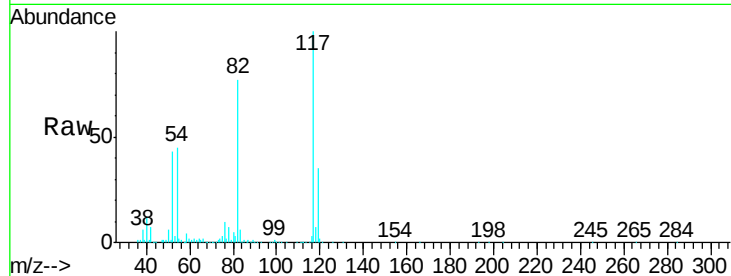
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.15 min Scan# 2912  
Delta R.T. -0.02 min  
Lab File: VL034262.D  
Acq: 8 Oct 2019 23:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Tgt Ion: 117 Resp: 1804995  
Ion Ratio Lower Upper  
117 100  
82 77.4 58.2 87.4  
119 33.7 23.7 35.5

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.334 ppbv  
RT: 14.49 min Scan# 3639  
Delta R.T. -0.02 min  
Lab File: VL034262.D  
Acq: 8 Oct 2019 23:51

Tgt Ion: 95 Resp: 1620797  
Ion Ratio Lower Upper  
95 100  
174 54.1 45.1 67.7  
175 4.0 3.3 4.9

