

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL111919\  
 Data File : VL034389.D  
 Acq On : 19 Nov 2019 21:35  
 Operator : SY/AP  
 Sample : K5924-01  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Quant Time: Nov 20 04:06:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL111919AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Nov 20 03:30:54 2019  
 QLast Update : Wed Nov 20 03:30:54 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 962781   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 1868964  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.14 | 117  | 1830736  | 10.00 | ppbv  | 0.00     |

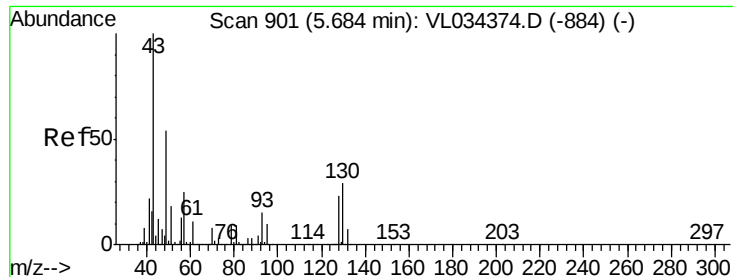
System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.47  | 95    | 1585364  | 10.29    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.90% |

| Target Compounds             | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 3.02  | 85   | 324383   | 1.862   | ppbv   | 90     |
| 3) Chlorodifluoromethane     | 2.93  | 51   | 186886   | 1.556   | ppbv # | 75     |
| 4) Chloromethane             | 3.11  | 50   | 24443    | 0.345   | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane | 3.02  | 85   | 324383   | 2.074   | ppbv # | 19     |
| 9) Propene                   | 3.18  | 41   | 437040   | 8.195   | ppbv   | 94     |
| 11) Trichlorofluoromethane   | 3.94  | 101  | 35176    | 0.203   | ppbv   | 93     |
| 13) Ethanol                  | 3.59  | 45   | 1588367  | 101.685 | ppbv   | 97     |
| 15) Acetone                  | 3.83  | 43   | 801798   | 5.816   | ppbv   | 97     |
| 16) 1,3-Butadiene            | 3.29  | 39   | 5245     | 0.087   | ppbv # | 55     |
| 17) tert-Butyl alcohol       | 3.96  | 59   | 46709    | 0.403   | ppbv   | 97     |
| 19) Isopropyl Alcohol        | 3.96  | 45   | 1399992  | 13.962  | ppbv   | 100    |
| 20) Methylene Chloride       | 4.34  | 84   | 57461    | 1.175   | ppbv   | 88     |
| 21) Allyl Chloride           | 4.19  | 41   | 9545     | 0.116   | ppbv # | 1      |
| 22) trans-1,2-Dichloroethene | 4.88  | 96   | 2233     | 0.044   | ppbv # | 35     |
| 23) Vinyl Acetate            | 5.07  | 43   | 8338     | 0.046   | ppbv # | 53     |
| 25) Ethyl Acetate            | 5.69  | 43   | 37058    | 0.151   | ppbv # | 83     |
| 26) Hexane                   | 5.70  | 57   | 75040    | 0.710   | ppbv # | 50     |
| 29) Chloroform               | 5.76  | 83   | 10420    | 0.061   | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene   | 5.56  | 61   | 363714   | 3.329   | ppbv   | 95     |
| 34) 2-Butanone               | 5.26  | 43   | 26661    | 0.173   | ppbv   | 99     |
| 35) Carbon Tetrachloride     | 7.05  | 117  | 9869     | 0.061   | ppbv # | 54     |
| 36) Benzene                  | 6.92  | 78   | 13601    | 0.073   | ppbv # | 88     |
| 38) Trichloroethene          | 7.87  | 130  | 68610    | 0.895   | ppbv   | 94     |
| 39) 1,2-Dichloropropane      | 7.20  | 63   | 562437   | 7.101   | ppbv # | 23     |
| 52) Tetrachloroethene        | 11.29 | 164  | 8836828  | 109.317 | ppbv   | 86     |
| 53) Toluene                  | 9.85  | 91   | 81810    | 0.386   | ppbv   | 97     |
| 60) o-Xylene                 | 13.75 | 91   | 11931    | 0.049   | ppbv   | 81     |
| 61) Styrene                  | 13.58 | 104  | 7537     | 0.043   | ppbv # | 41     |
| 62) Isopropylbenzene         | 14.74 | 105  | 10594    | 0.033   | ppbv # | 50     |
| 74) 1,2,4-Trimethylbenzene   | 16.83 | 105  | 24356    | 0.083   | ppbv # | 68     |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034389.D

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MSVOA\_L

ClientSampleId :

IA1

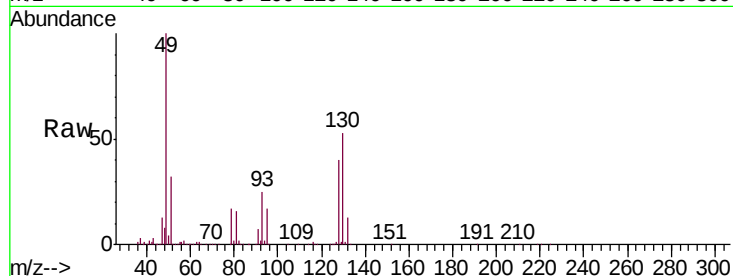
Tgt Ion: 49 Resp: 962781

Ion Ratio Lower Upper

49 100

128 42.5 21.8 65.3

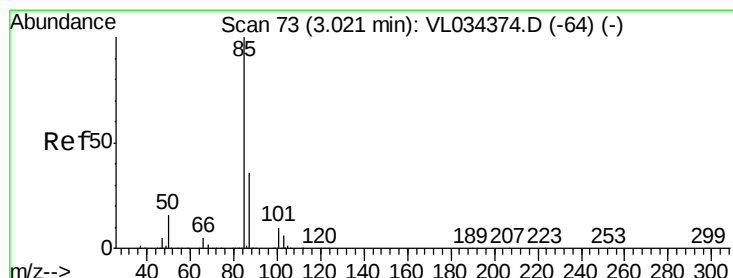
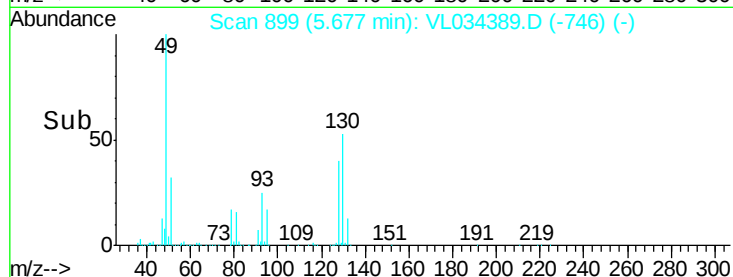
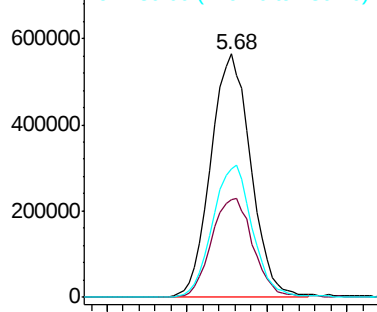
130 54.4 28.0 84.0



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



#2

Dichlorodifluoromethane

Concen: 1.862 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL034389.D

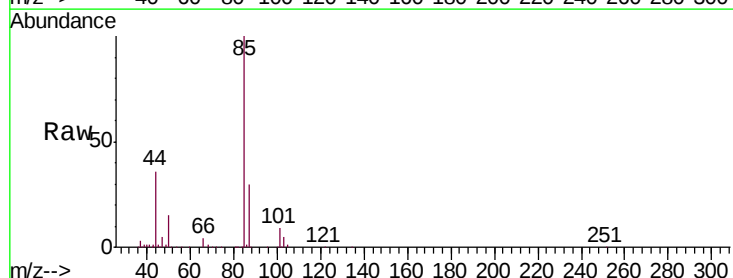
Acq: 19 Nov 2019 21:35

Tgt Ion: 85 Resp: 324383

Ion Ratio Lower Upper

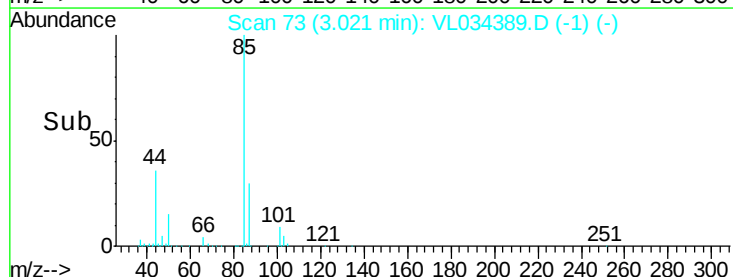
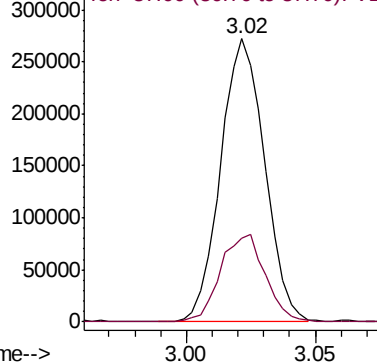
85 100

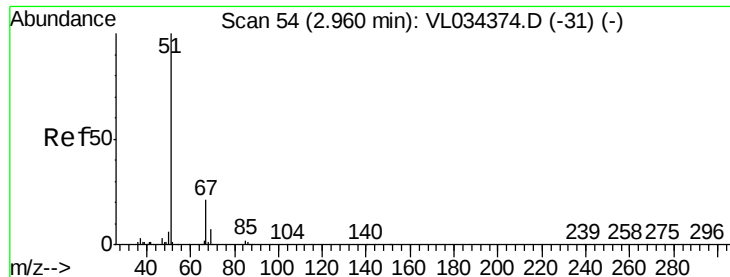
87 29.7 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.556 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.03 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

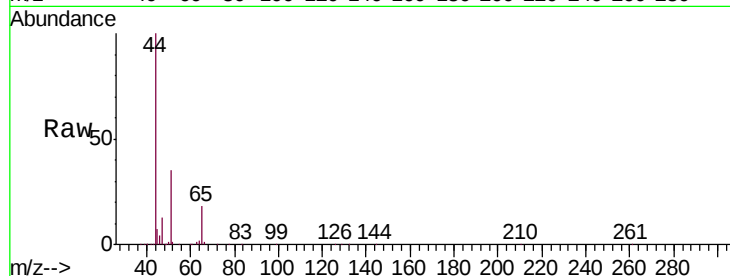
IA1

Tgt Ion: 51 Resp: 186886

Ion Ratio Lower Upper

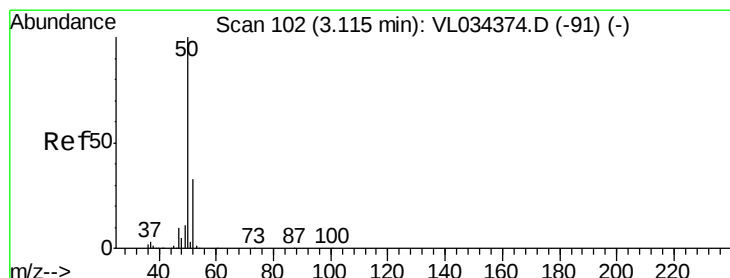
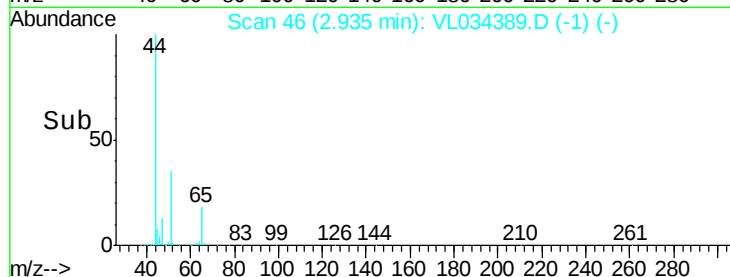
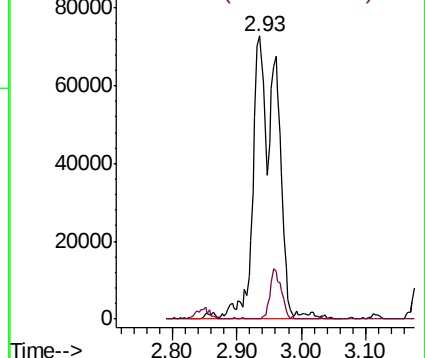
51 100

67 8.5 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.345 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034389.D

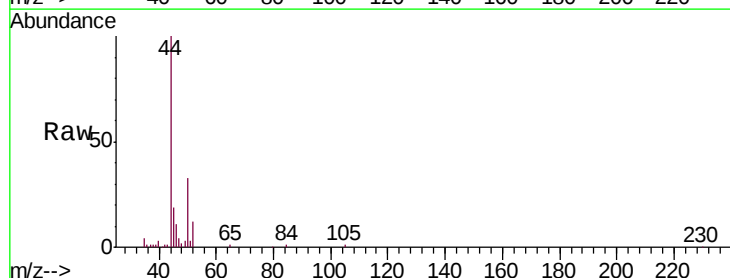
Acq: 19 Nov 2019 21:35

Tgt Ion: 50 Resp: 24443

Ion Ratio Lower Upper

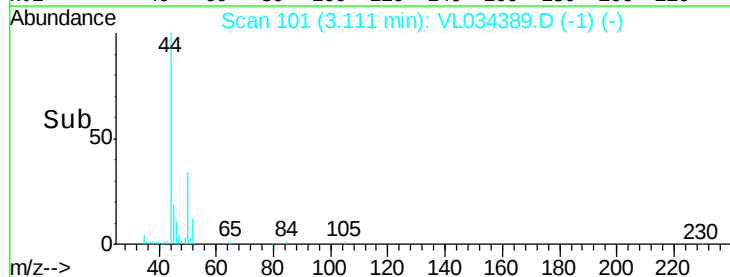
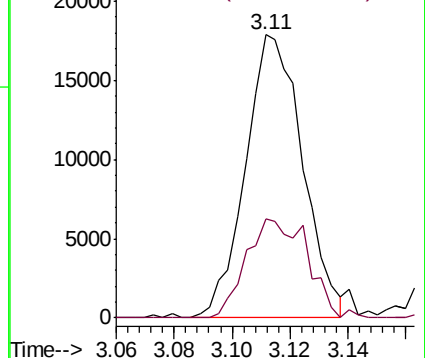
50 100

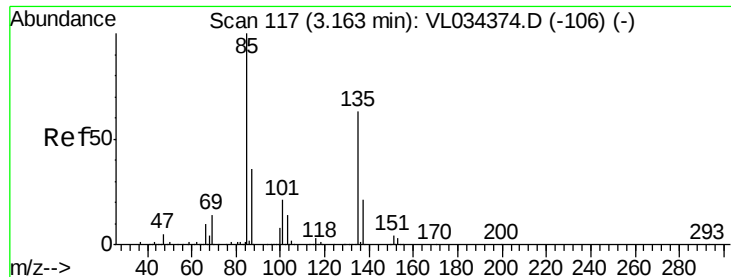
52 34.9 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 2.074 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.14 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

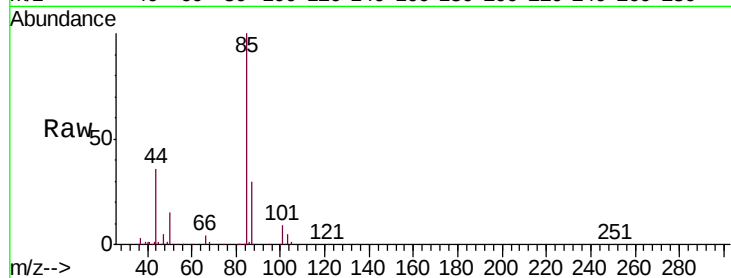
IA1

Tgt Ion: 85 Resp: 324383

Ion Ratio Lower Upper

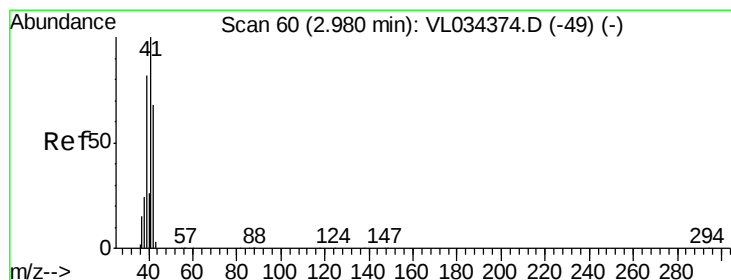
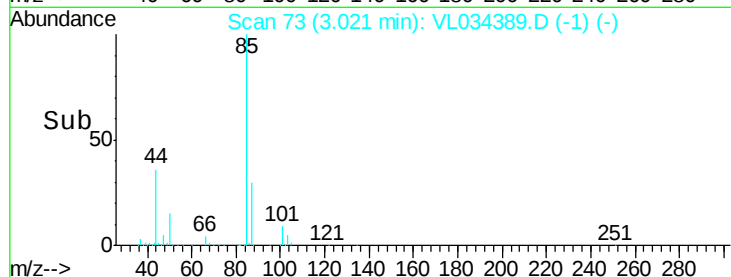
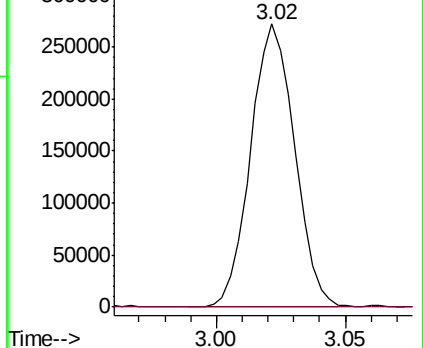
85 100

135 0.4 51.1 76.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 8.195 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.20 min

Lab File: VL034389.D

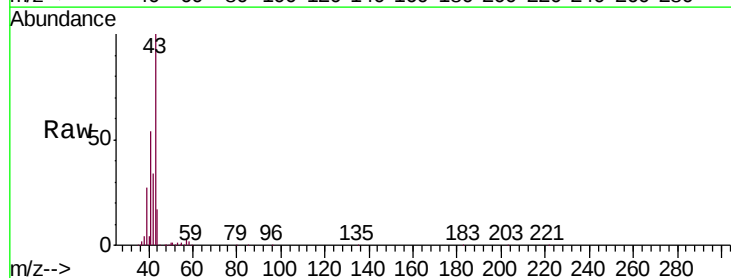
Acq: 19 Nov 2019 21:35

Tgt Ion: 41 Resp: 437040

Ion Ratio Lower Upper

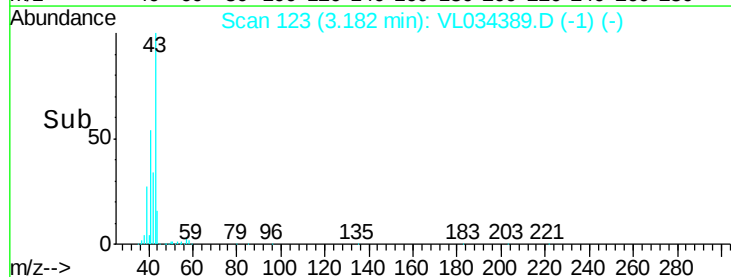
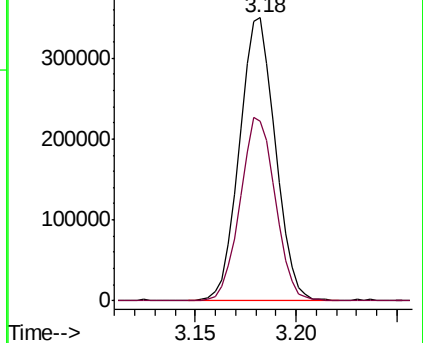
41 100

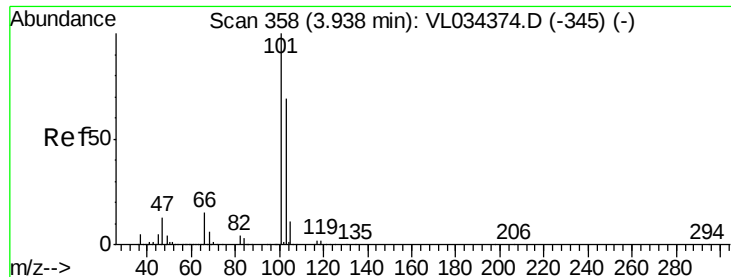
42 63.8 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.203 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

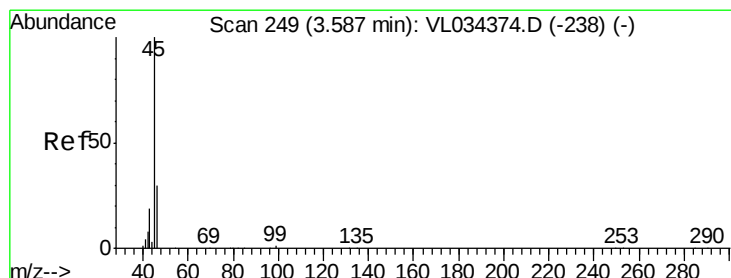
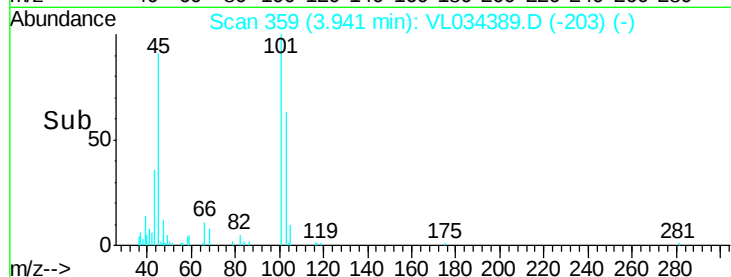
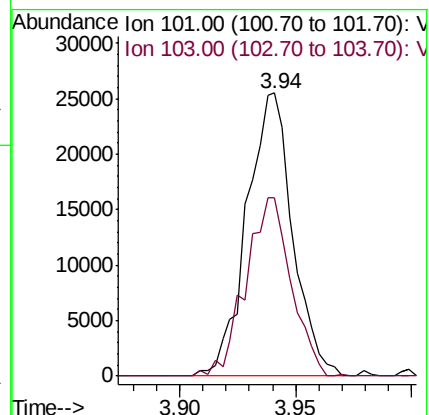
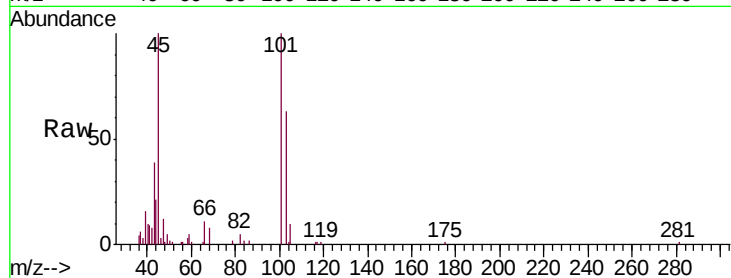
IA1

Tgt Ion:101 Resp: 35176

Ion Ratio Lower Upper

101 100

103 63.1 55.4 83.0



#13

Ethanol

Concen: 101.685 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL034389.D

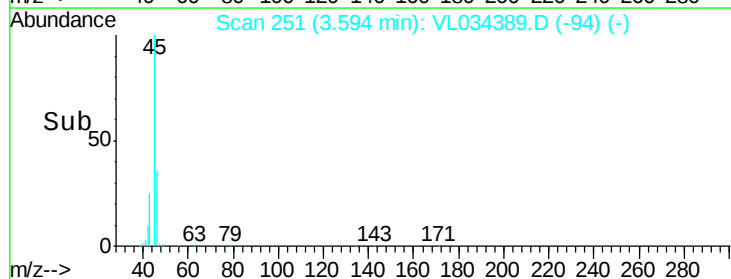
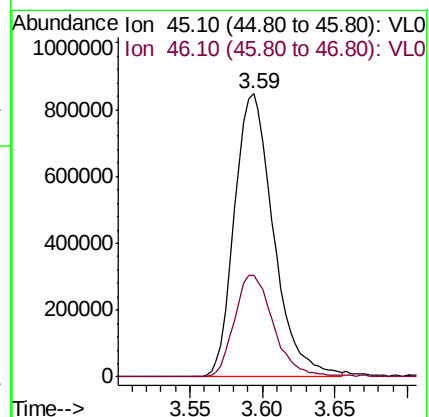
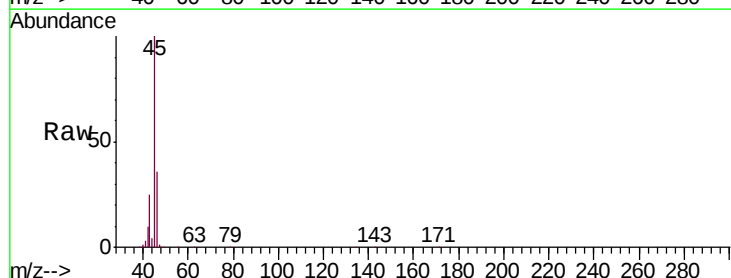
Acq: 19 Nov 2019 21:35

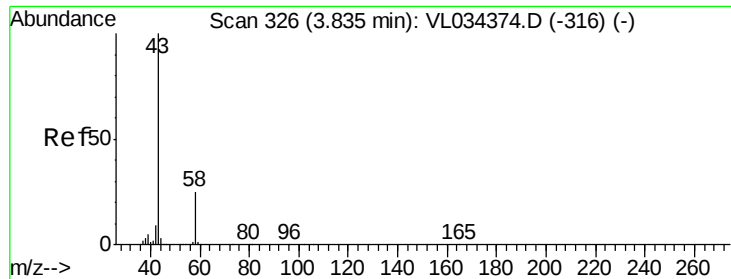
Tgt Ion: 45 Resp: 1588367

Ion Ratio Lower Upper

45 100

46 36.5 13.8 55.4





#15

Acetone

Concen: 5.816 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

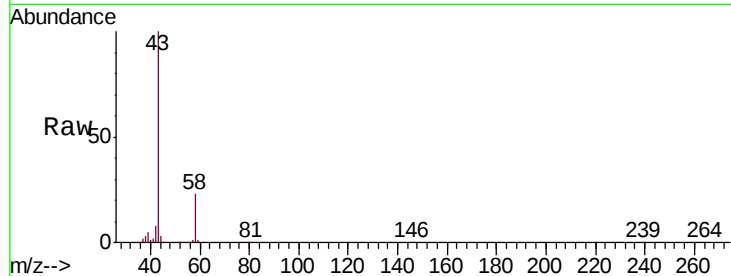
IA1

Tgt Ion: 43 Resp: 801798

Ion Ratio Lower Upper

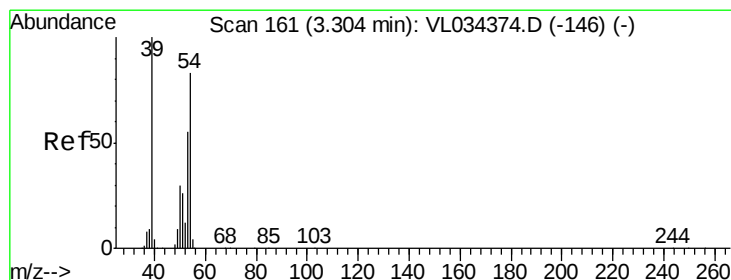
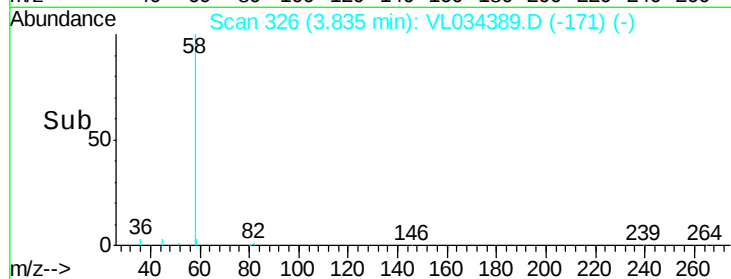
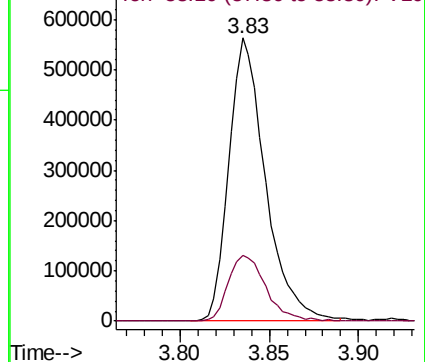
43 100

58 24.0 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.087 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.01 min

Lab File: VL034389.D

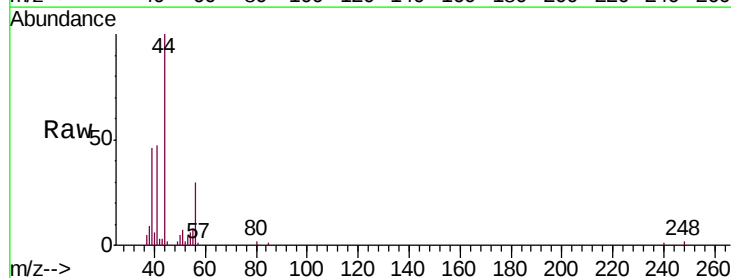
Acq: 19 Nov 2019 21:35

Tgt Ion: 39 Resp: 5245

Ion Ratio Lower Upper

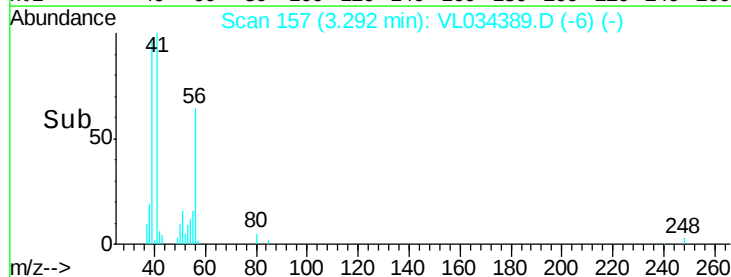
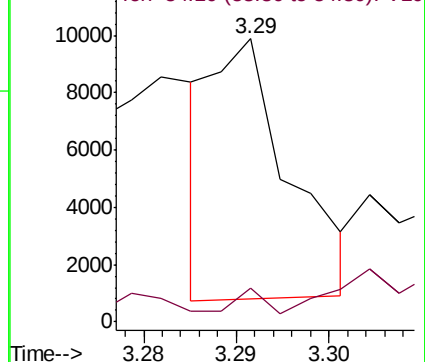
39 100

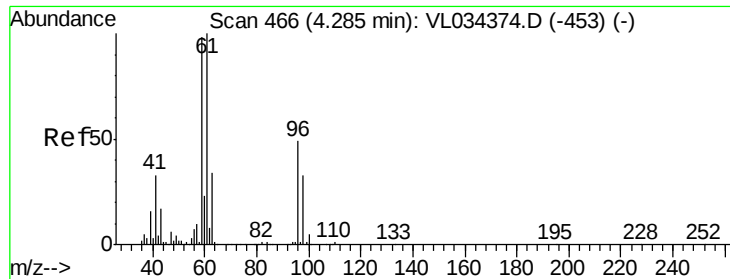
54 41.1 64.7 97.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

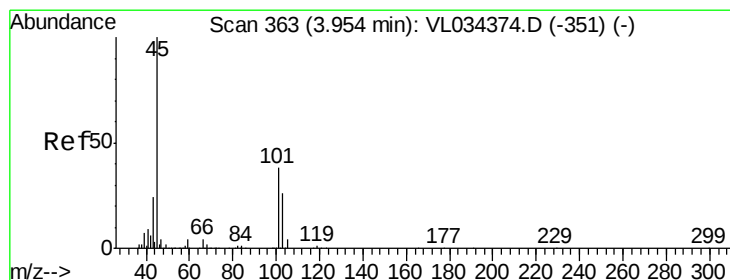
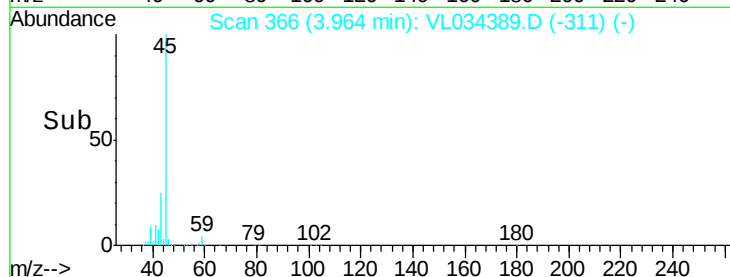
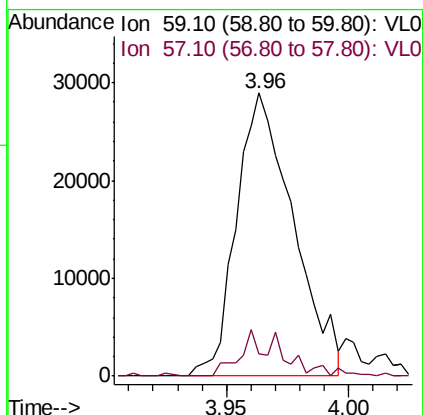
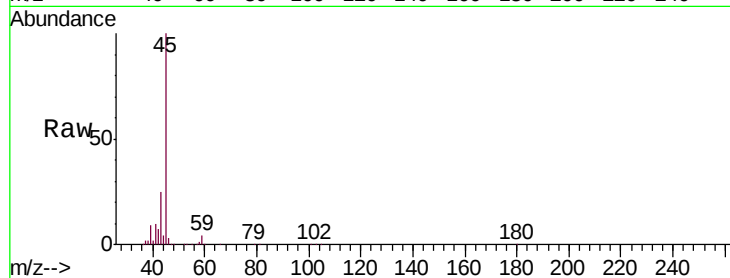




#17  
tert-Butyl alcohol  
Concen: 0.403 ppbv  
RT: 3.96 min Scan# 366  
Delta R.T. -0.32 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

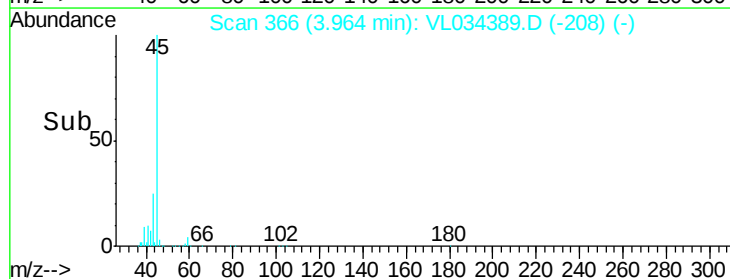
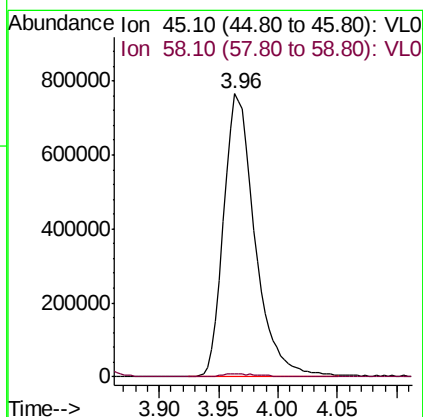
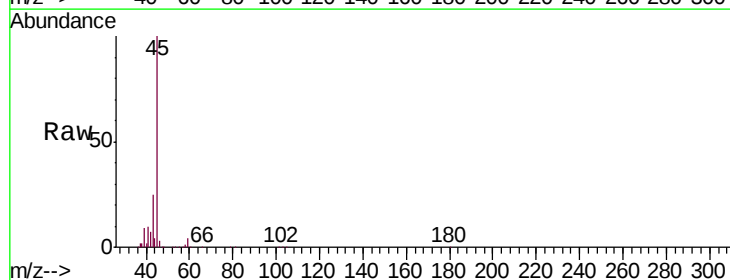
Instrument :  
MSVOA\_L  
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IA1

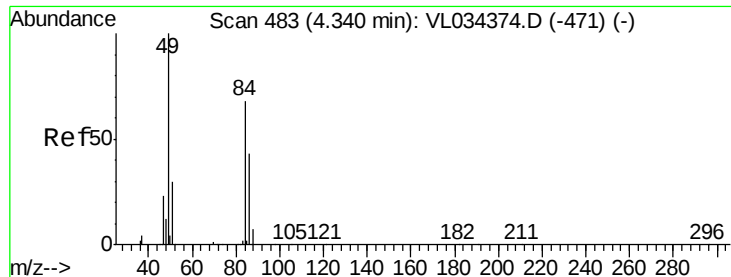
Tgt Ion: 59 Resp: 46709  
Ion Ratio Lower Upper  
59 100  
57 12.3 8.8 13.2



#19  
Isopropyl Alcohol  
Concen: 13.962 ppbv  
RT: 3.96 min Scan# 366  
Delta R.T. 0.01 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

Tgt Ion: 45 Resp: 1399992  
Ion Ratio Lower Upper  
45 100  
58 1.5 1.3 1.9

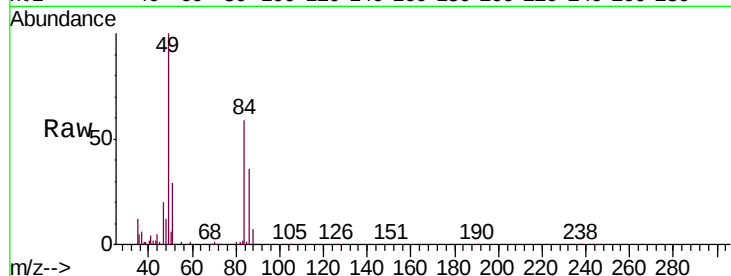




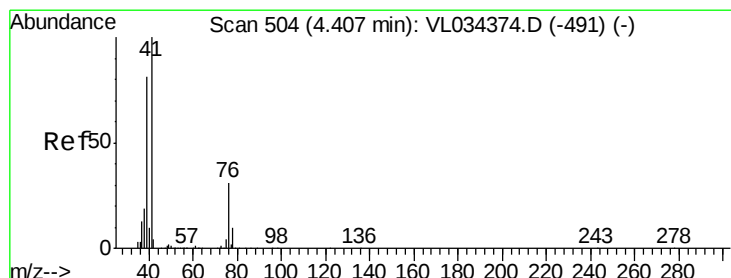
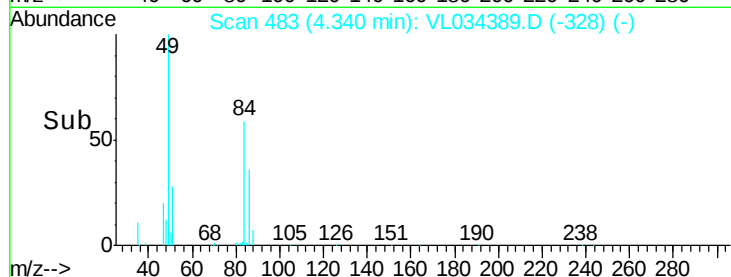
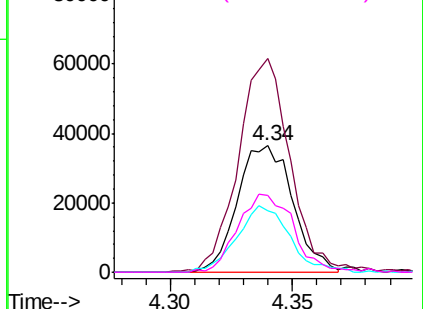
#20  
Methylene Chloride  
Concen: 1.175 ppbv  
RT: 4.34 min Scan# 483  
Delta R.T. -0.00 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

Tgt Ion: 84 Resp: 57461  
Ion Ratio Lower Upper  
84 100  
49 167.2 116.8 175.2  
51 48.5 35.6 53.4  
86 61.0 50.7 76.1

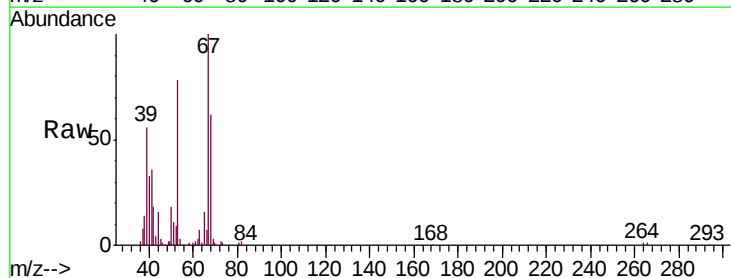


Abundance Ion 84.00 (83.70 to 84.70): VL0  
Ion 49.10 (48.80 to 49.80): VL0  
Ion 51.10 (50.80 to 51.80): VL0  
Ion 86.00 (85.70 to 86.70): VL0

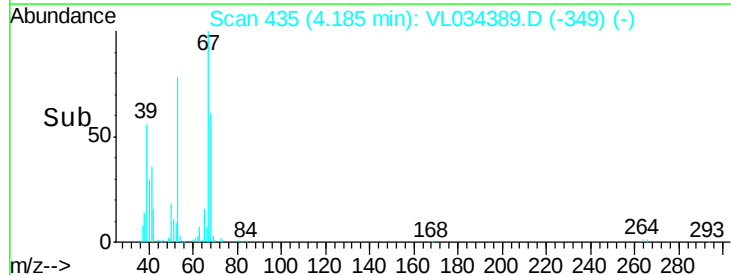
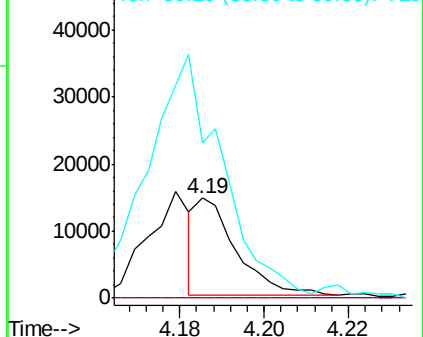


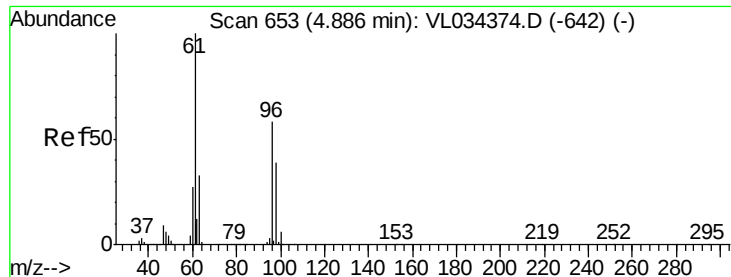
#21  
Allyl Chloride  
Concen: 0.116 ppbv  
RT: 4.19 min Scan# 435  
Delta R.T. -0.22 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

Tgt Ion: 41 Resp: 9545  
Ion Ratio Lower Upper  
41 100  
76 0.0 24.2 36.2#  
39 481.1 66.9 100.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0  
Ion 76.10 (75.80 to 76.80): VL0  
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.044 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

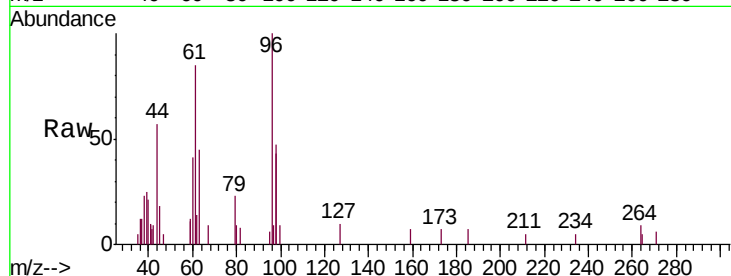
Tgt Ion: 96 Resp: 2233

Ion Ratio Lower Upper

96 100

61 63.1 137.9 206.9#

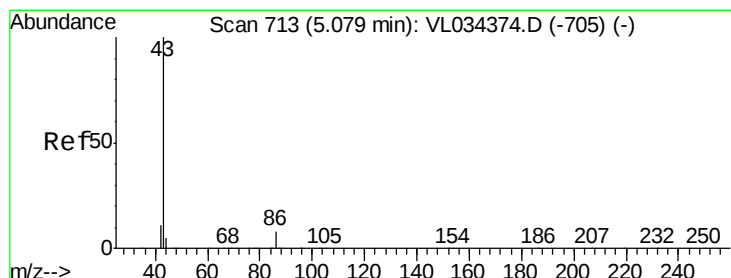
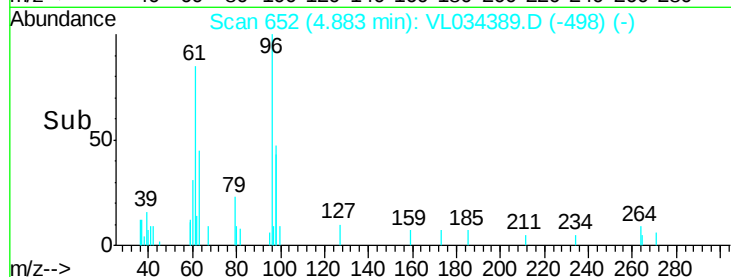
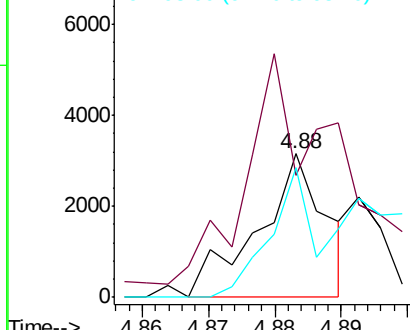
98 90.4 53.5 80.3#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.046 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Tgt Ion: 43 Resp: 8338

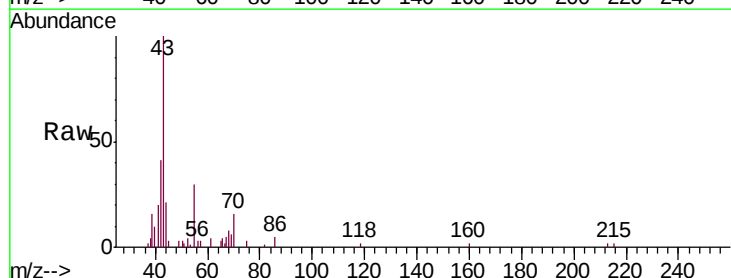
Ion Ratio Lower Upper

43 100

86 3.2 5.8 8.6#

42 42.9 8.9 13.3#

44 9.8 4.0 6.0#

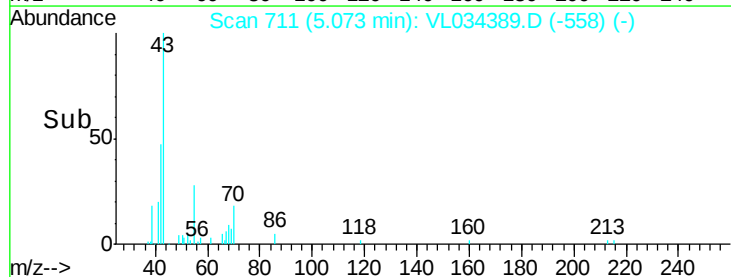
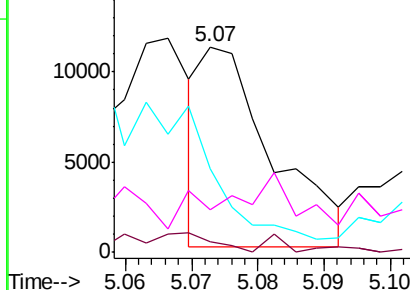


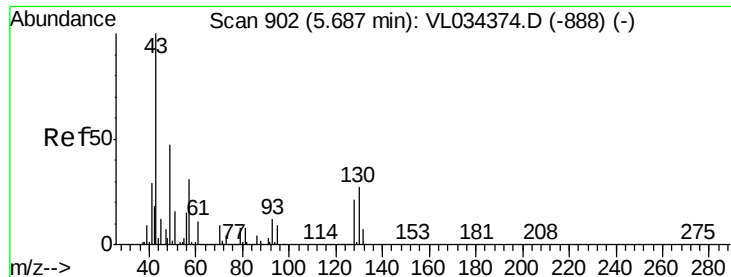
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

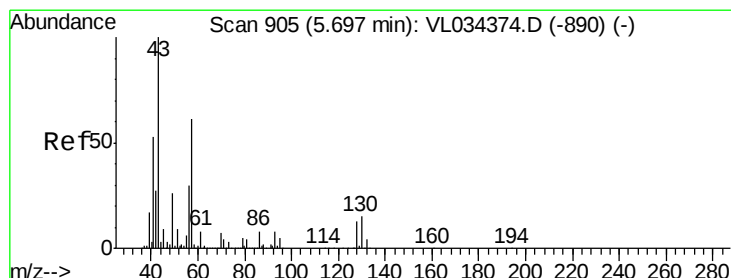
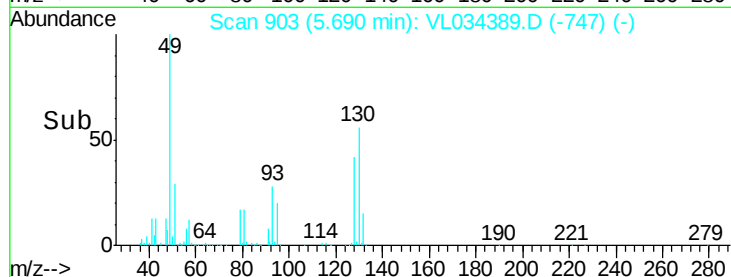
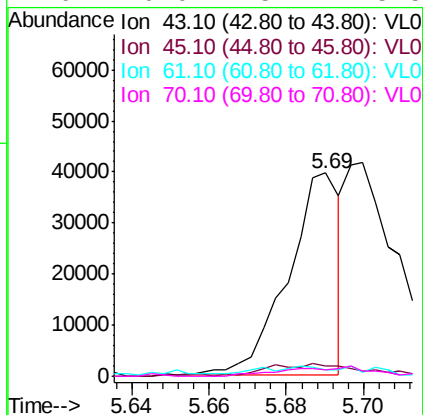
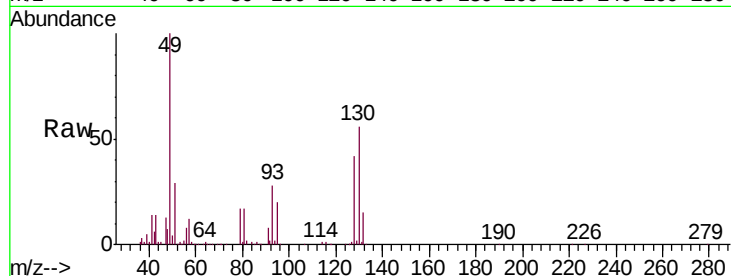




#25  
Ethyl Acetate  
Concen: 0.151 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. 0.00 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

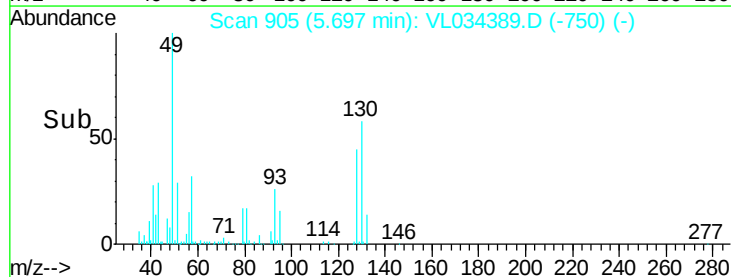
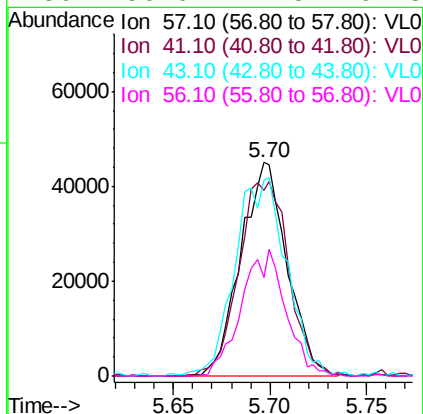
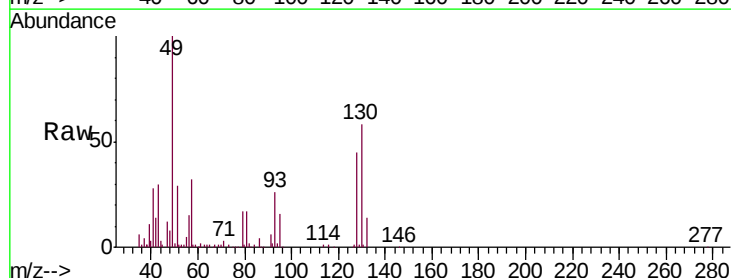
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

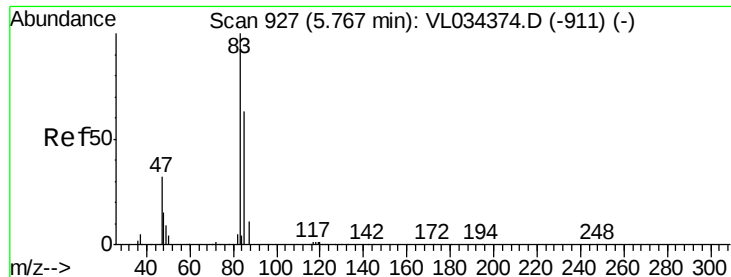
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 37058 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 12.8  | 8.2   | 12.4# |
| 61       | 0.0   | 7.5   | 11.3# |
| 70       | 0.0   | 5.7   | 8.5#  |



#26  
Hexane  
Concen: 0.710 ppbv  
RT: 5.70 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 75040  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 98.4  | 75.0  | 112.4  |
| 43       | 103.5 | 186.6 | 279.8# |
| 56       | 56.6  | 41.5  | 62.3   |





#29

Chloroform

Concen: 0.061 ppbv

RT: 5.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampled :

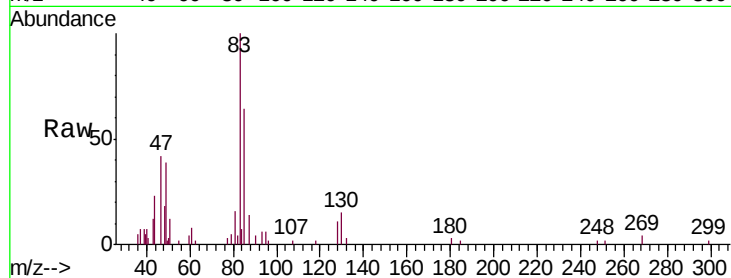
IA1

Tgt Ion: 83 Resp: 10420

Ion Ratio Lower Upper

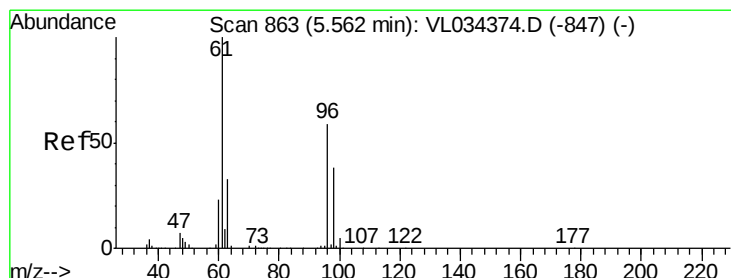
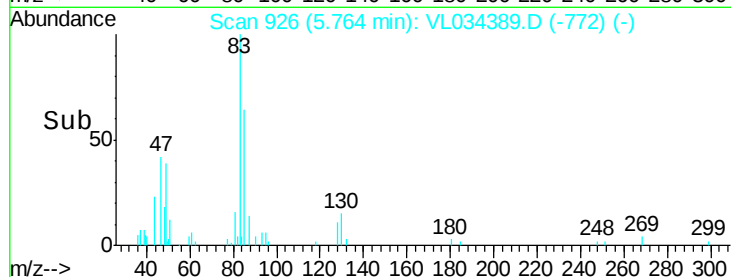
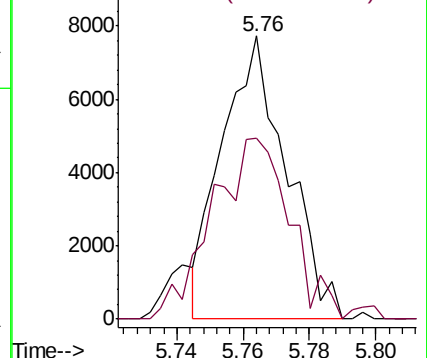
83 100

85 63.9 50.4 75.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 3.329 ppbv

RT: 5.56 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

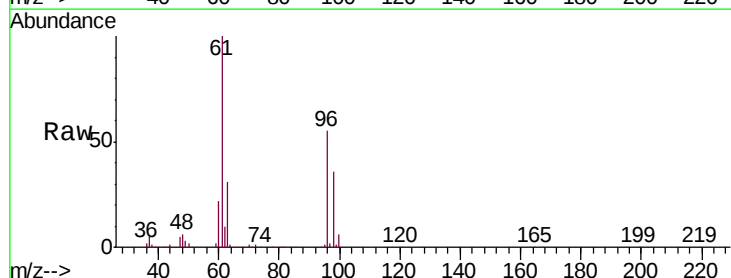
Tgt Ion: 61 Resp: 363714

Ion Ratio Lower Upper

61 100

96 54.8 47.4 71.2

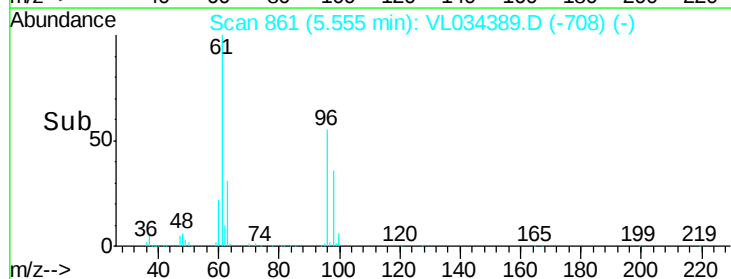
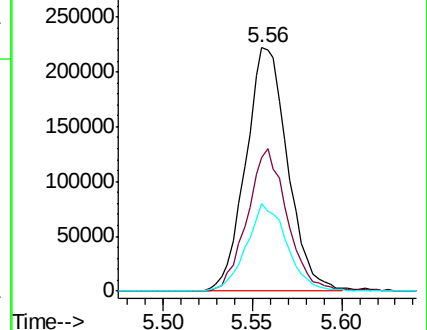
98 35.7 30.6 45.8

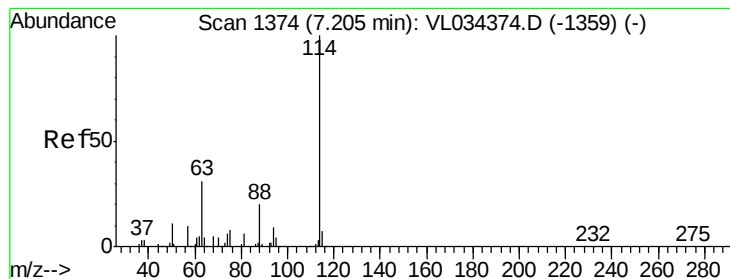


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.01 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

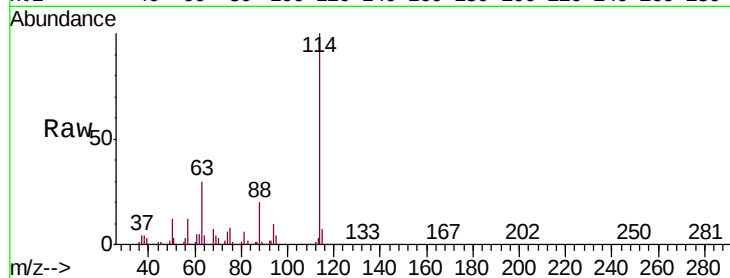
Tgt Ion: 114 Resp: 1868964

Ion Ratio Lower Upper

114 100

63 30.2 24.2 36.4

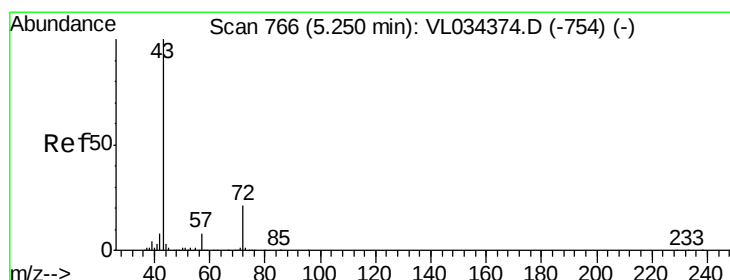
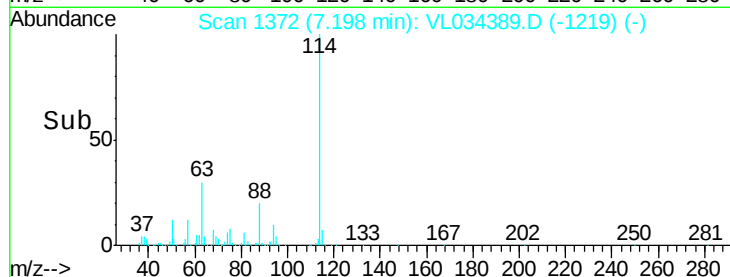
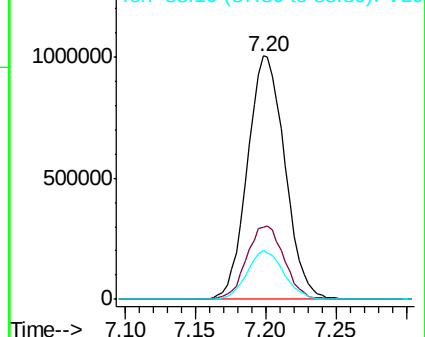
88 19.7 15.9 23.9



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



#34

2-Butanone

Concen: 0.173 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL034389.D

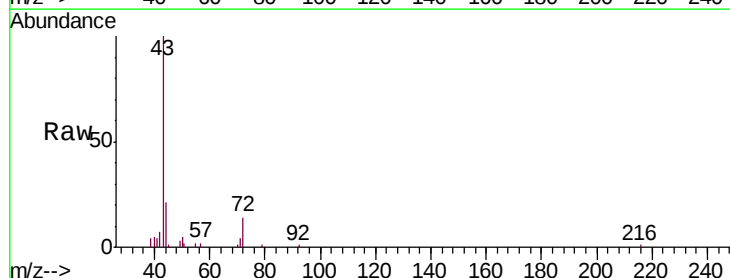
Acq: 19 Nov 2019 21:35

Tgt Ion: 43 Resp: 26661

Ion Ratio Lower Upper

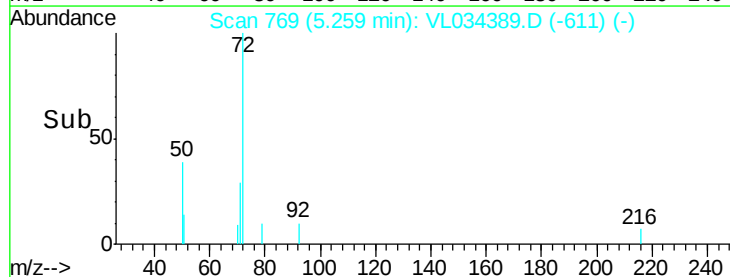
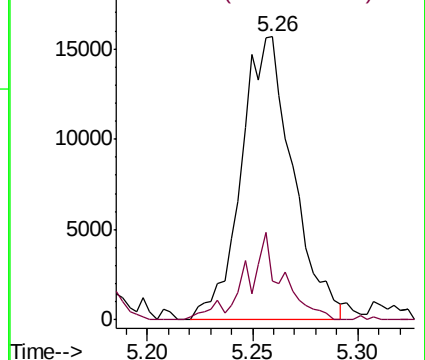
43 100

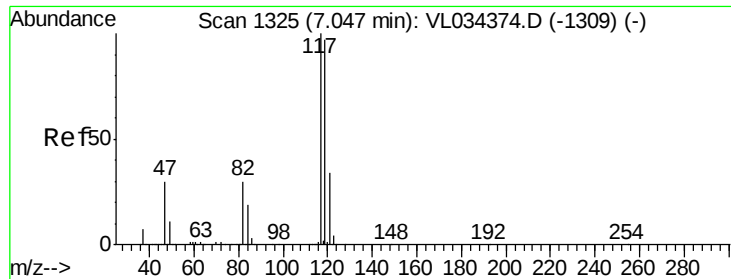
72 21.7 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.061 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

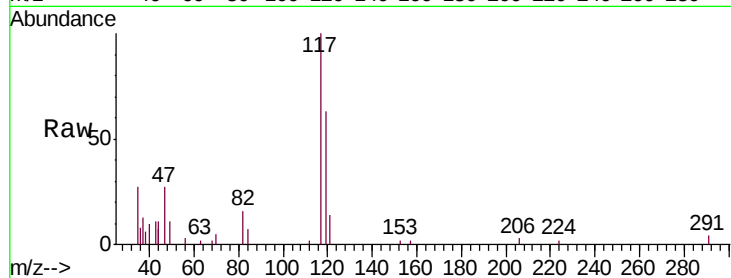
Tgt Ion:117 Resp: 9869

Ion Ratio Lower Upper

117 100

119 47.9 77.3 115.9#

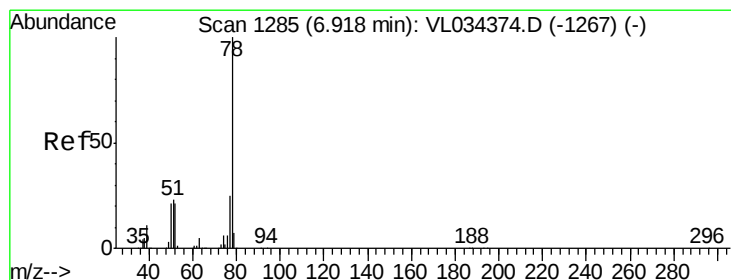
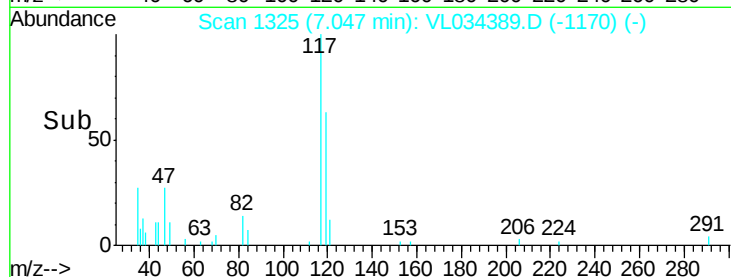
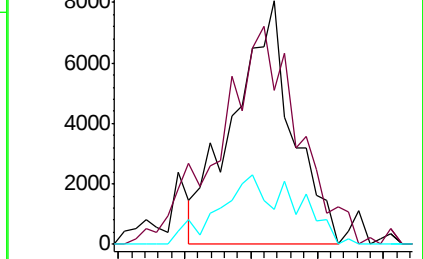
121 14.1 27.4 41.2#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.073 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

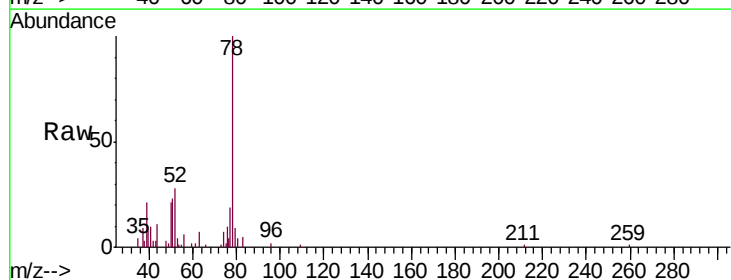
Tgt Ion: 78 Resp: 13601

Ion Ratio Lower Upper

78 100

77 14.0 20.2 30.4#

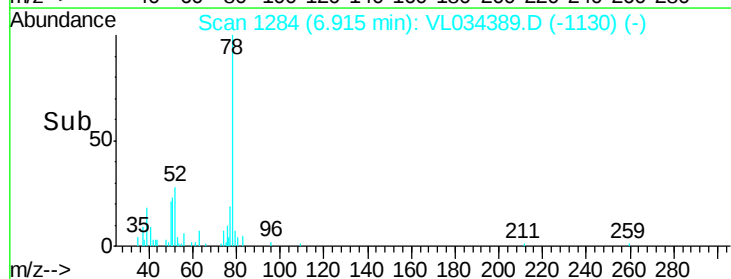
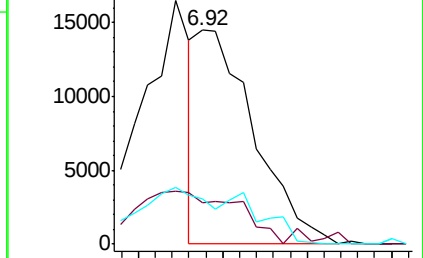
50 21.1 17.1 25.7

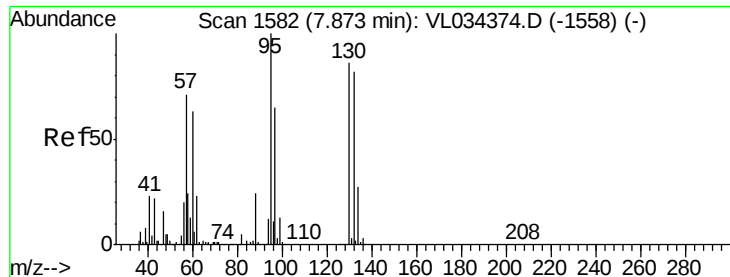


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.895 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

Tgt Ion:130 Resp: 68610

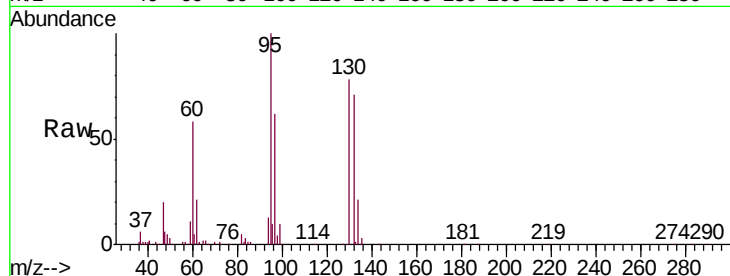
Ion Ratio Lower Upper

130 100

95 127.8 93.4 140.0

132 91.0 76.4 114.6

97 78.9 61.1 91.7

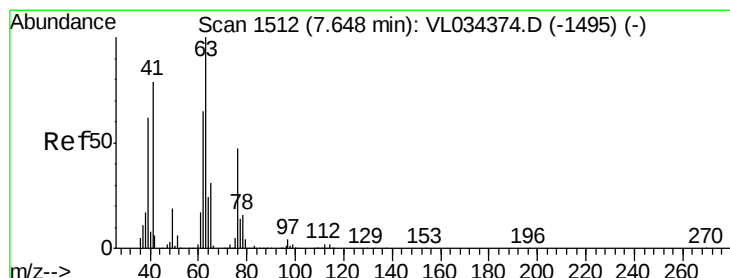
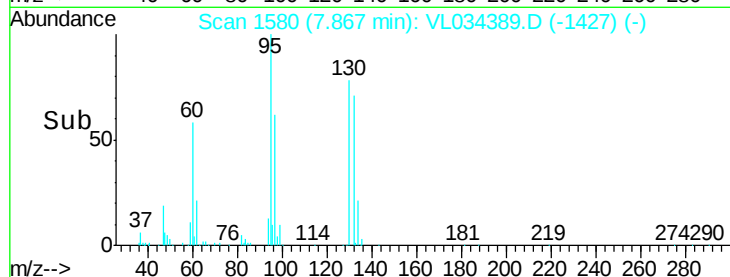
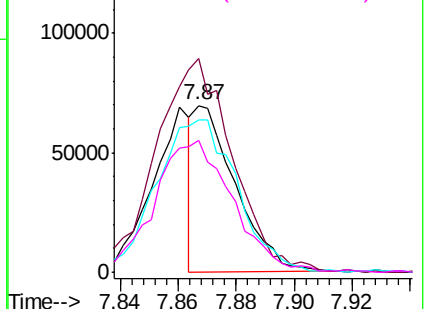


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.101 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. -0.45 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

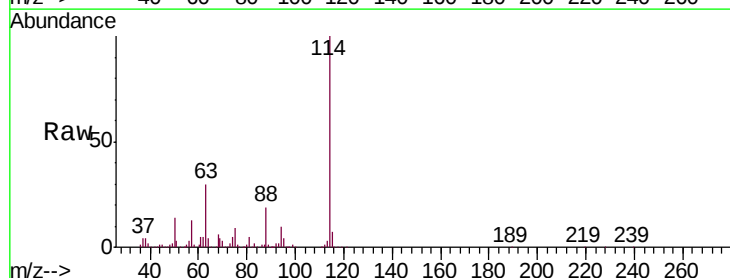
Tgt Ion: 63 Resp: 562437

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

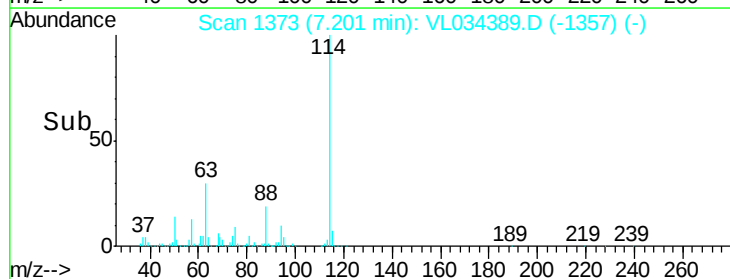
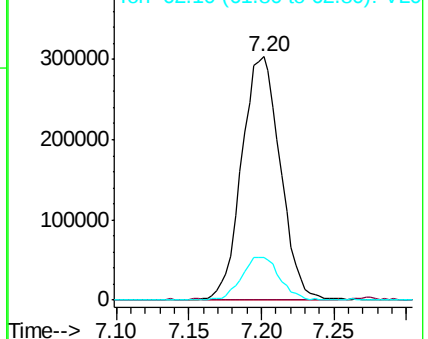
62 17.5 52.3 78.5#

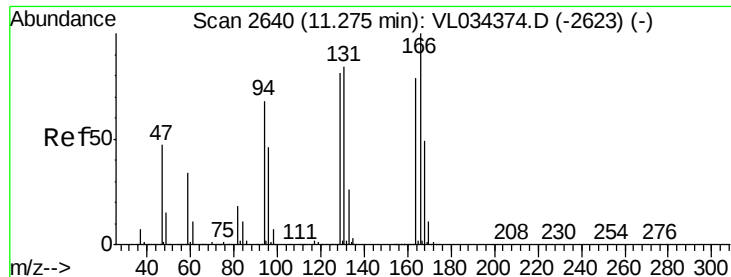


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 109.317 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. 0.02 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

Tgt Ion:164 Resp: 8836828

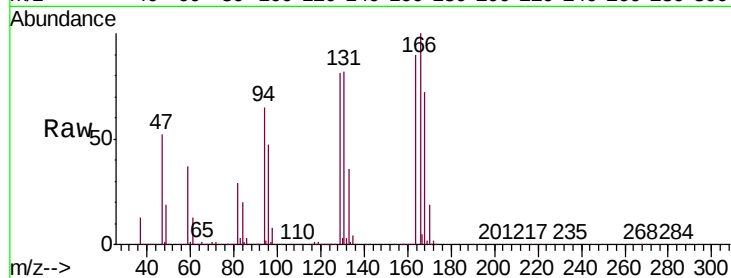
Ion Ratio Lower Upper

164 100

166 111.0 101.7 152.5

129 90.0 82.6 123.8

131 91.4 85.2 127.8



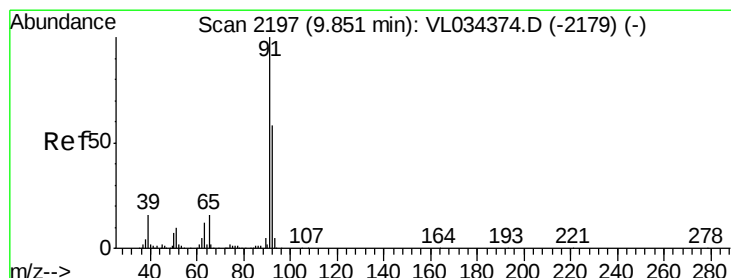
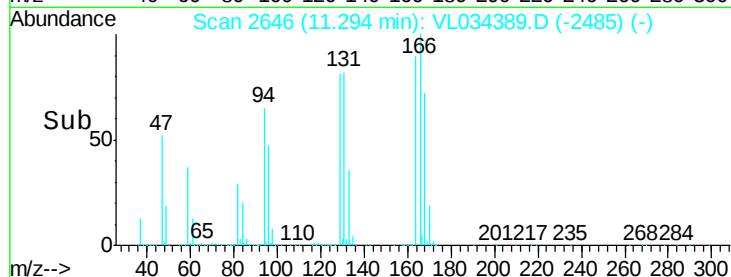
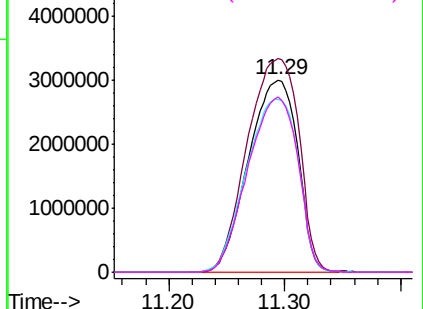
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.386 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VL034389.D

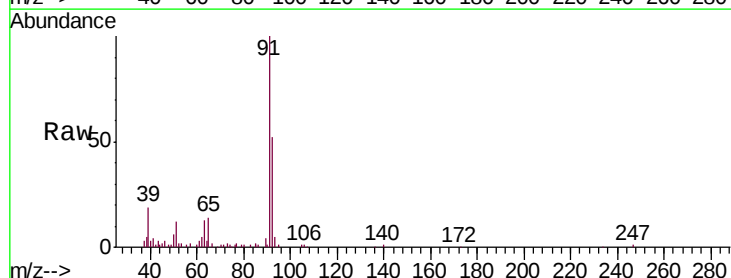
Acq: 19 Nov 2019 21:35

Tgt Ion: 91 Resp: 81810

Ion Ratio Lower Upper

91 100

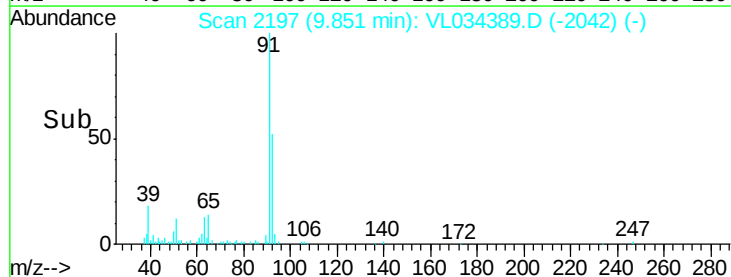
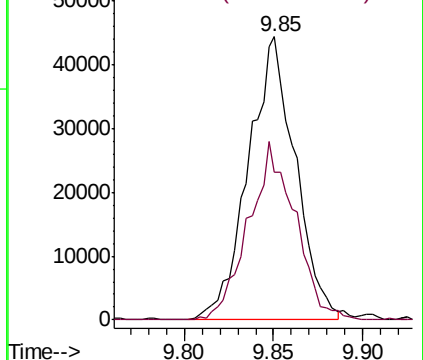
92 62.2 47.9 71.9

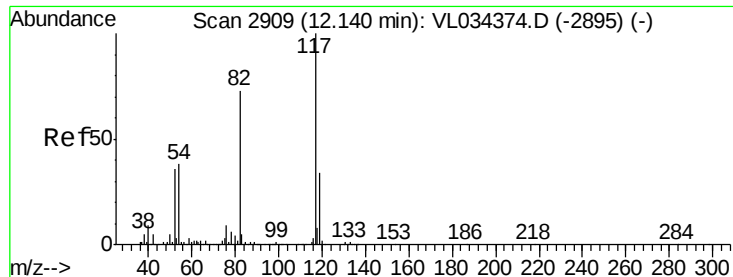


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

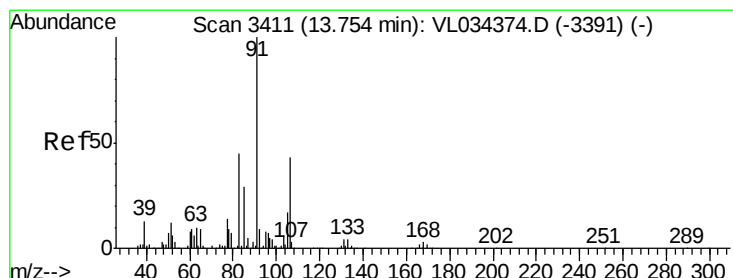
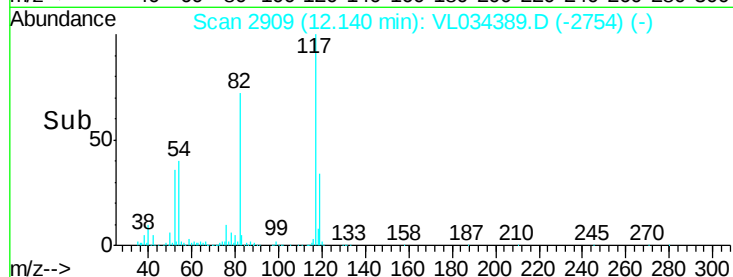
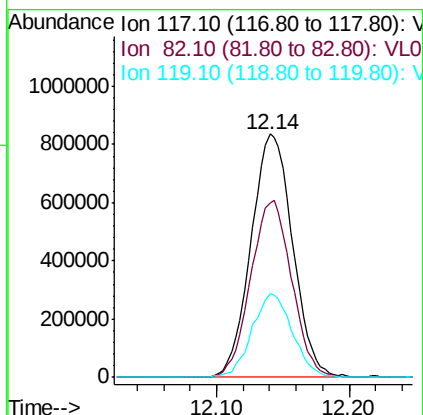
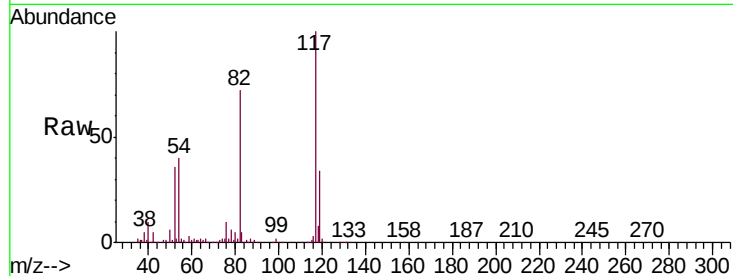




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.14 min Scan# 2909  
Delta R.T. -0.00 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

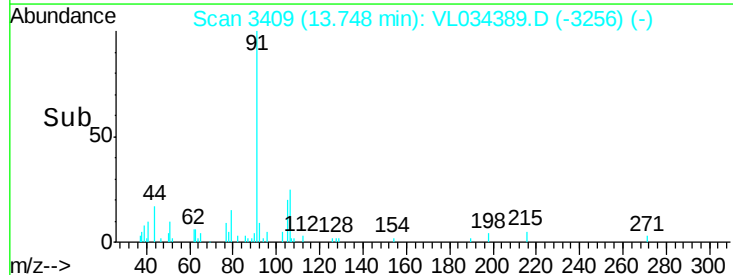
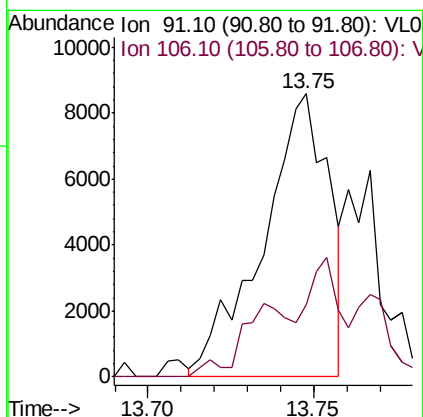
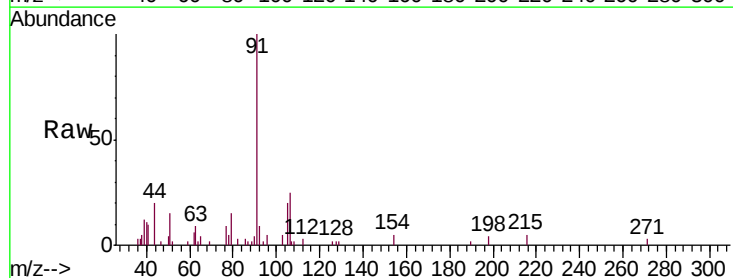
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

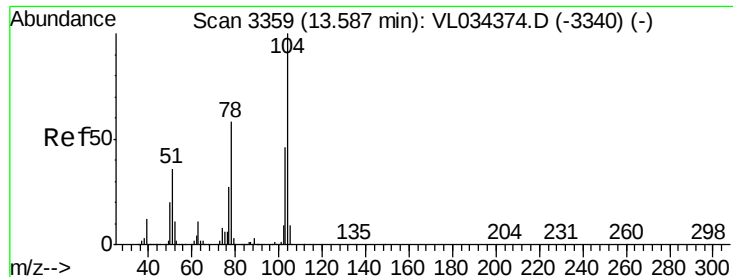
Tgt Ion: 117 Resp: 1830736  
Ion Ratio Lower Upper  
117 100  
82 71.9 57.5 86.3  
119 33.6 25.4 38.2



#60  
o-Xylene  
Concen: 0.049 ppbv  
RT: 13.75 min Scan# 3409  
Delta R.T. -0.01 min  
Lab File: VL034389.D  
Acq: 19 Nov 2019 21:35

Tgt Ion: 91 Resp: 11931  
Ion Ratio Lower Upper  
91 100  
106 55.0 21.3 64.0





#61

Styrene

Concen: 0.043 ppbv

RT: 13.58 min Scan# 3358

Delta R.T. -0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

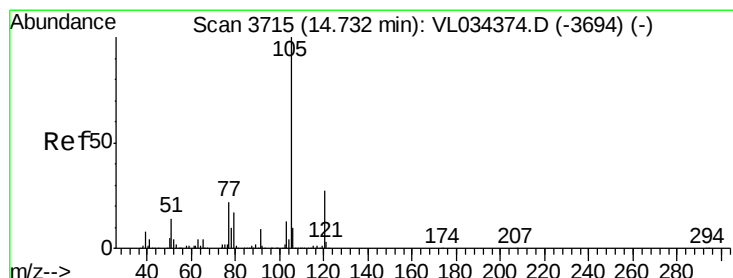
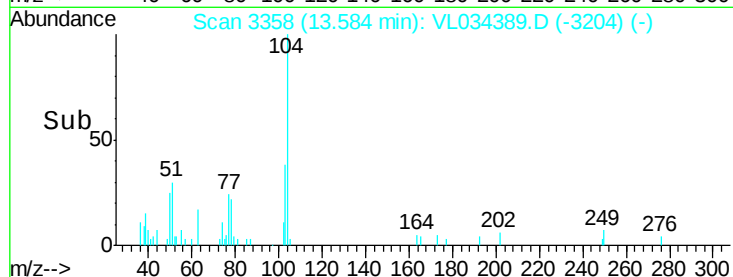
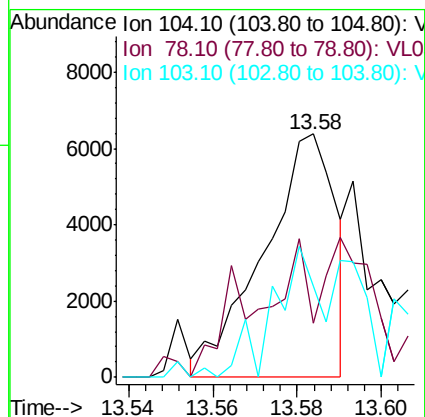
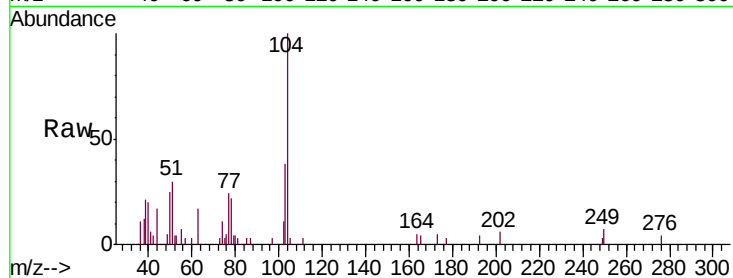
MSVOA\_L

ClientSampled :

IA1

Tgt Ion:104 Resp: 7537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 0.0   | 47.6  | 71.4# |
| 103 | 71.3  | 38.6  | 57.8# |



#62

Isopropylbenzene

Concen: 0.033 ppbv

RT: 14.74 min Scan# 3717

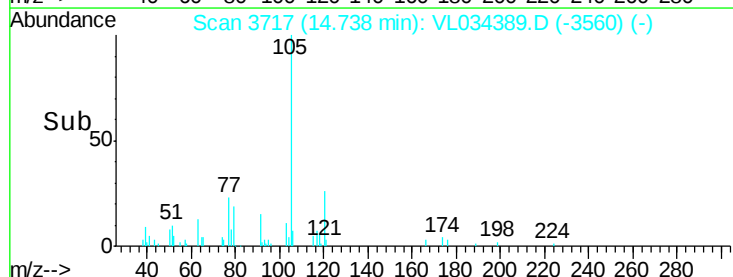
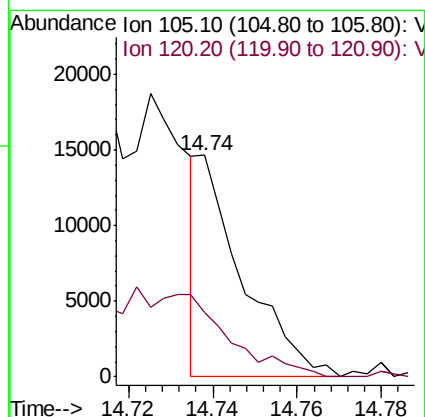
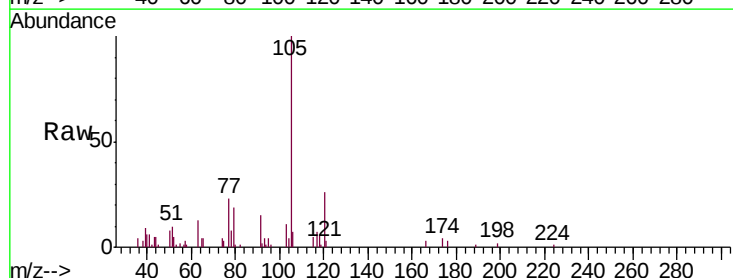
Delta R.T. 0.01 min

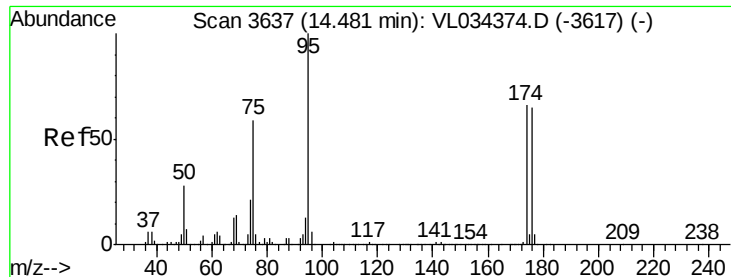
Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Tgt Ion:105 Resp: 10594

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 0.0   | 20.2  | 30.4# |





#68

1-Bromo-4-Fluorobenzene

Concen: 10.294 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Instrument :

MSVOA\_L

ClientSampleId :

IA1

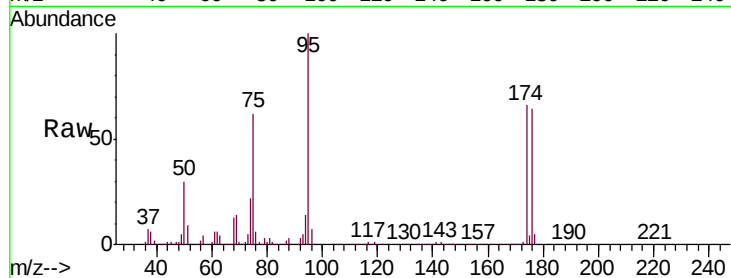
Tgt Ion: 95 Resp: 1585364

Ion Ratio Lower Upper

95 100

174 64.0 52.2 78.2

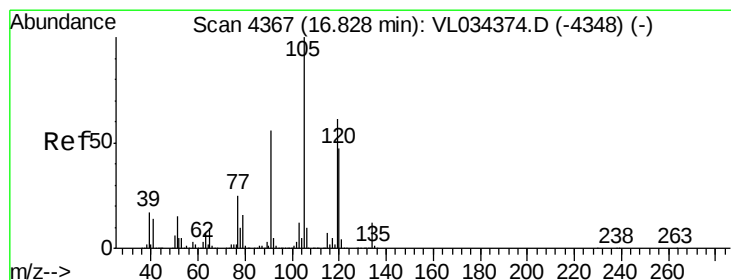
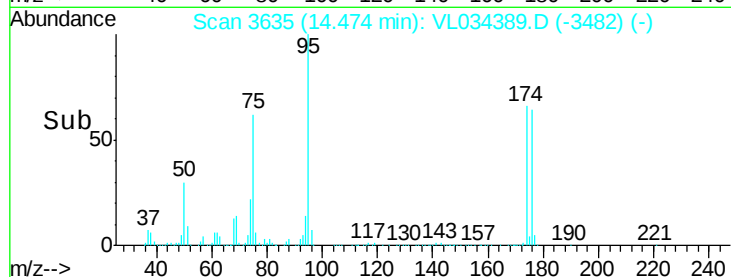
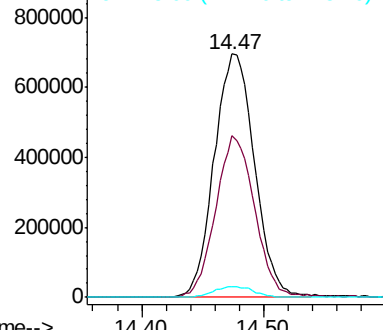
175 4.5 3.8 5.8



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



#74

1,2,4-Trimethylbenzene

Concen: 0.083 ppbv

RT: 16.83 min Scan# 4368

Delta R.T. 0.00 min

Lab File: VL034389.D

Acq: 19 Nov 2019 21:35

Tgt Ion: 105 Resp: 24356

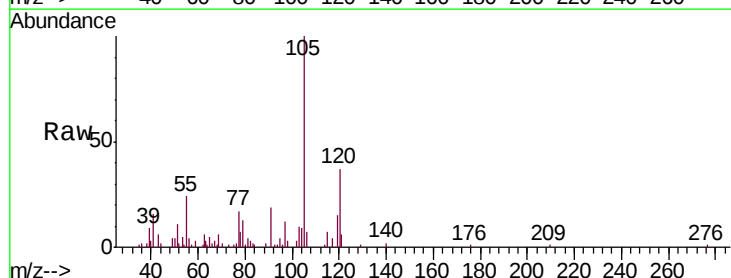
Ion Ratio Lower Upper

105 100

120 37.8 37.4 56.0

91 18.3 46.3 69.5#

77 16.9 20.6 30.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

