

Data File : VL034873.D  
Acq On : 10 Mar 2020 19:38  
Operator : SY/AP  
Sample : L1861-03  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
NS-1

Quant Time: Mar 11 05:54:24 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL030920AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 09 16:42:53 2020  
QLast Update : Mon Mar 09 16:42:53 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 875336   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 1935687  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 1945589  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds  
68) 1-Bromo-4-Fluorobenzene 14.45 95 1598971 10.54 ppbv 0.00  
Spiked Amount 10.000 Range 65 - 135 Recovery = 105.40%

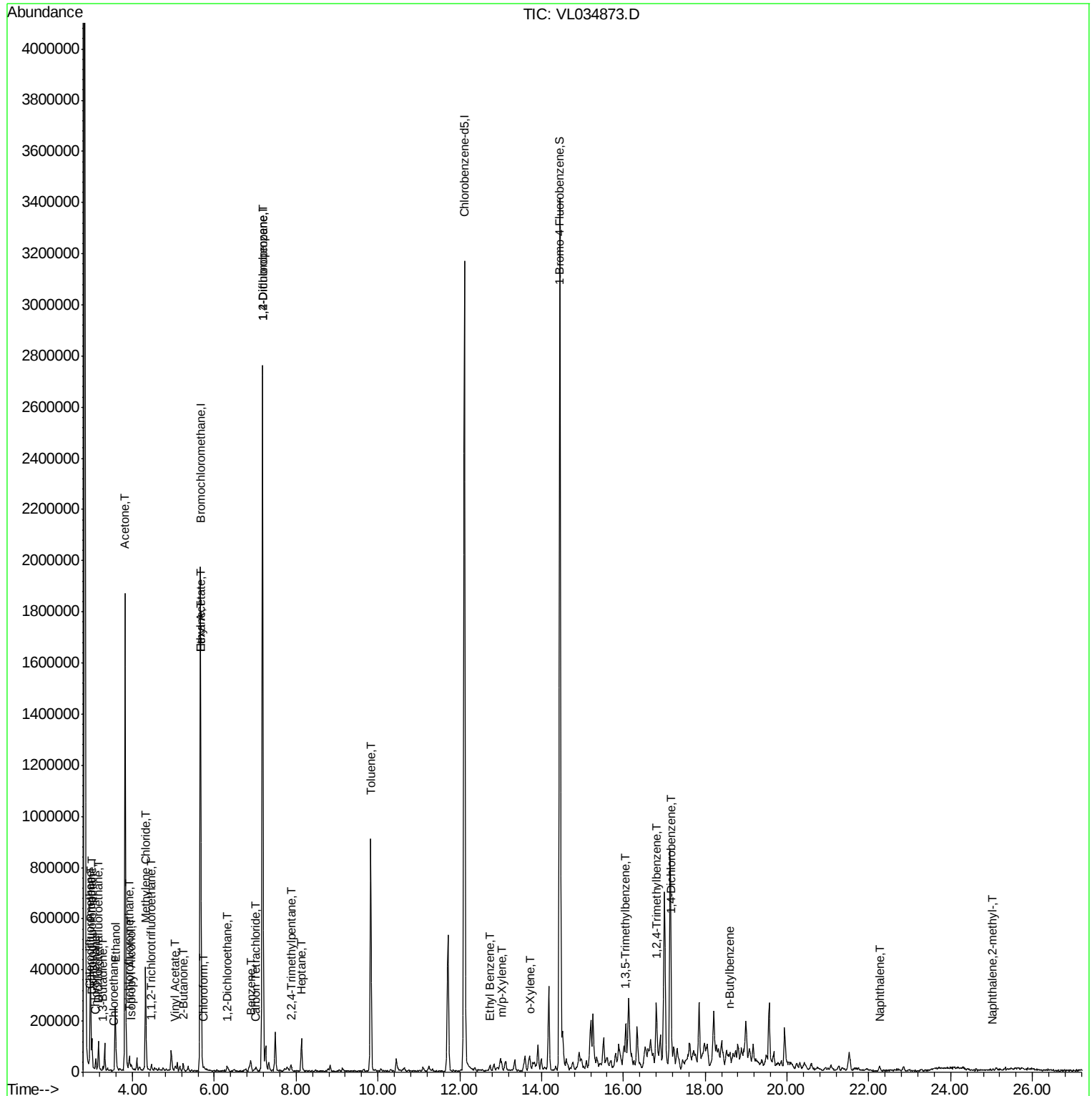
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.01  | 85   | 72399    | 0.604  | ppbv   | 90     |
| 3) Chlorodifluoromethane       | 2.95  | 51   | 32263    | 0.330  | ppbv # | 91     |
| 4) Chloromethane               | 3.10  | 50   | 31128    | 0.563  | ppbv   | 95     |
| 7) Chloroethane                | 3.53  | 64   | 258      | 0.013  | ppbv # | 44     |
| 8) Dichlorotetrafluoroethane   | 3.15  | 85   | 2990     | 0.024  | ppbv   | 88     |
| 9) Propene                     | 2.97  | 41   | 150474   | 3.223  | ppbv   | 93     |
| 10) Heptane                    | 8.13  | 43   | 44561    | 0.388  | ppbv   | 98     |
| 11) Trichlorofluoromethane     | 3.92  | 101  | 31876    | 0.250  | ppbv   | 84     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47  | 101  | 5931     | 0.066  | ppbv # | 79     |
| 13) Ethanol                    | 3.58  | 45   | 254869   | 17.957 | ppbv   | 93     |
| 15) Acetone                    | 3.82  | 43   | 1821518  | 16.055 | ppbv   | 100    |
| 16) 1,3-Butadiene              | 3.27  | 39   | 4918     | 0.096  | ppbv # | 26     |
| 19) Isopropyl Alcohol          | 3.96  | 45   | 6178     | 0.086  | ppbv # | 37     |
| 20) Methylene Chloride         | 4.32  | 84   | 130481   | 3.638  | ppbv   | 97     |
| 23) Vinyl Acetate              | 5.05  | 43   | 7070     | 0.042  | ppbv # | 63     |
| 25) Ethyl Acetate              | 5.68  | 43   | 50508    | 0.250  | ppbv # | 81     |
| 26) Hexane                     | 5.68  | 57   | 69352    | 0.797  | ppbv # | 41     |
| 29) Chloroform                 | 5.74  | 83   | 2676     | 0.020  | ppbv # | 68     |
| 34) 2-Butanone                 | 5.24  | 43   | 26719    | 0.208  | ppbv   | 94     |
| 35) Carbon Tetrachloride       | 7.02  | 117  | 1446     | 0.012  | ppbv # | 49     |
| 36) Benzene                    | 6.90  | 78   | 27368    | 0.159  | ppbv   | 98     |
| 37) 1,2-Dichloroethane         | 6.30  | 62   | 1071     | 0.011  | ppbv # | 65     |
| 39) 1,2-Dichloropropane        | 7.18  | 63   | 522271   | 7.640  | ppbv # | 23     |
| 44) 2,2,4-Trimethylpentane     | 7.88  | 57   | 6818     | 0.023  | ppbv # | 43     |
| 53) Toluene                    | 9.83  | 91   | 668956   | 3.357  | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.74 | 91   | 3472     | 0.013  | ppbv   | 97     |
| 59) m/p-Xylene                 | 13.02 | 91   | 8912     | 0.040  | ppbv # | 30     |
| 60) o-Xylene                   | 13.73 | 91   | 5909     | 0.027  | ppbv # | 1      |
| 70) n-Butylbenzene             | 18.59 | 91   | 4192     | 0.012  | ppbv # | 70     |
| 73) 1,3,5-Trimethylbenzene     | 16.04 | 105  | 3369     | 0.014  | ppbv # | 1      |
| 74) 1,2,4-Trimethylbenzene     | 16.80 | 105  | 45035    | 0.183  | ppbv # | 83     |
| 76) 1,4-Dichlorobenzene        | 17.18 | 146  | 2101     | 0.014  | ppbv # | 1      |
| 79) Naphthalene                | 22.26 | 128  | 7795     | 0.041  | ppbv # | 35     |
| 80) Naphthalene,2-methyl-      | 25.03 | 142  | 1063     | 0.021  | ppbv # | 92     |

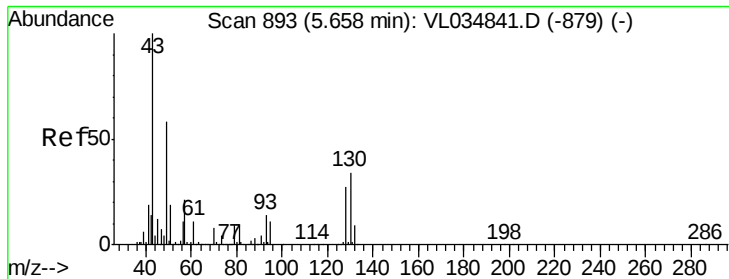
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1      Sample Multiplier: 1

NS-1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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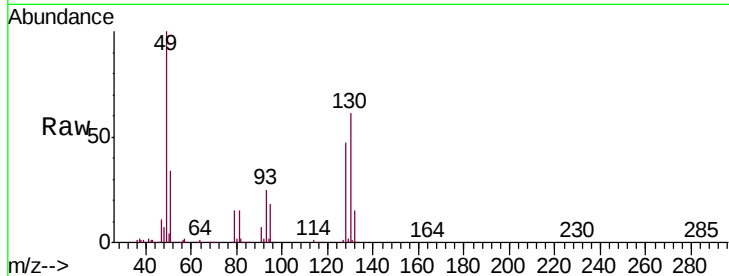
Tgt Ion: 49 Resp: 875336

Ion Ratio Lower Upper

49 100

128 46.3 23.4 70.3

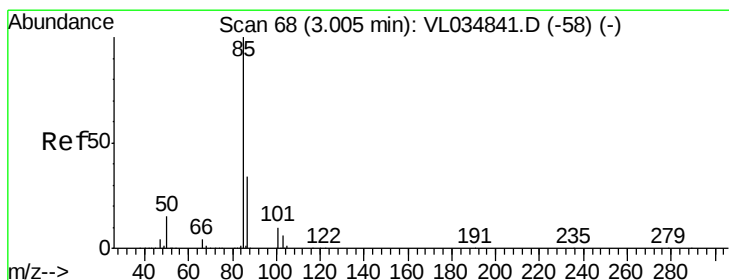
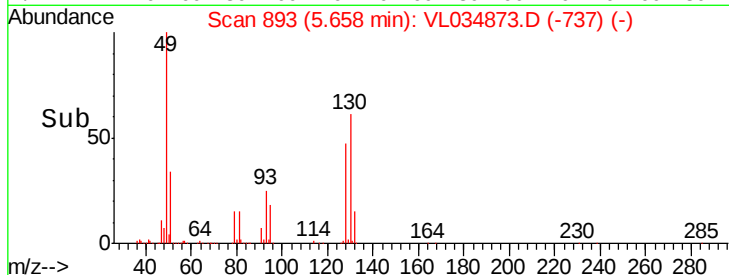
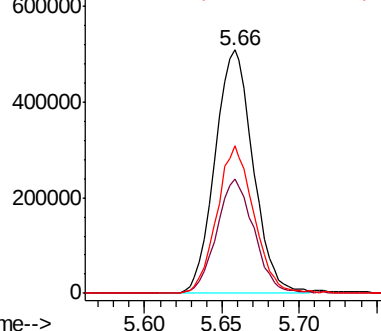
130 59.6 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.604 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034873.D

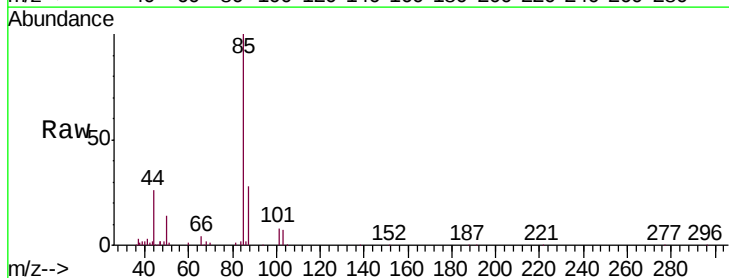
Acq: 10 Mar 2020 19:38

Tgt Ion: 85 Resp: 72399

Ion Ratio Lower Upper

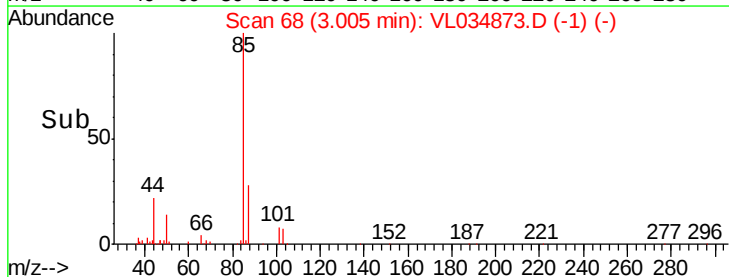
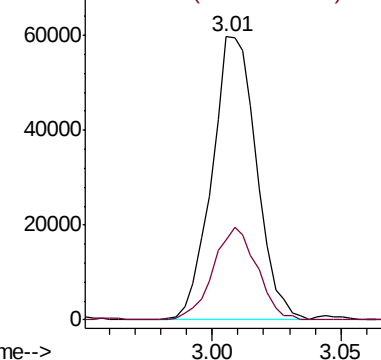
85 100

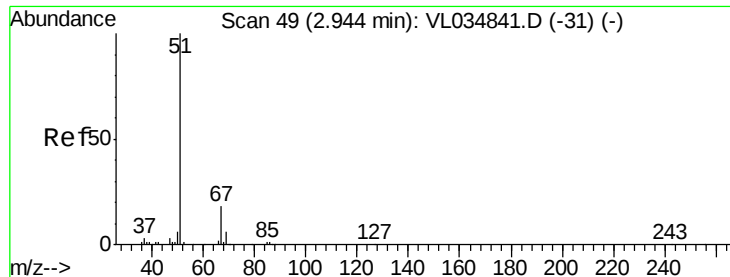
87 28.2 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

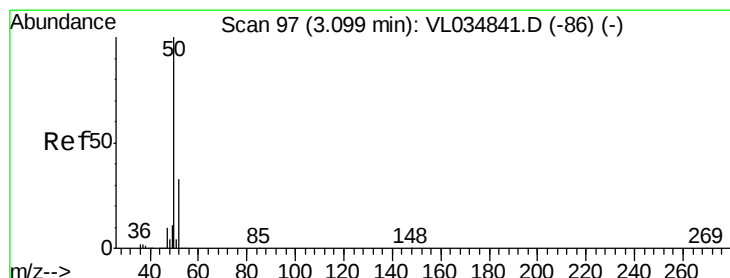
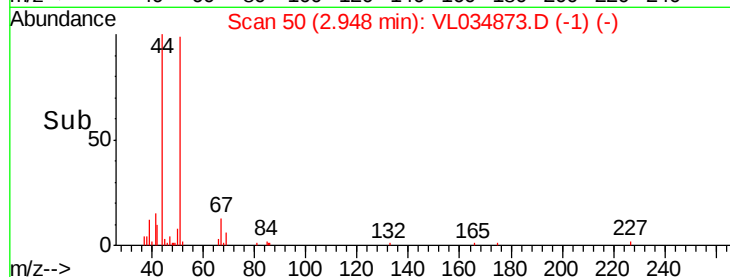
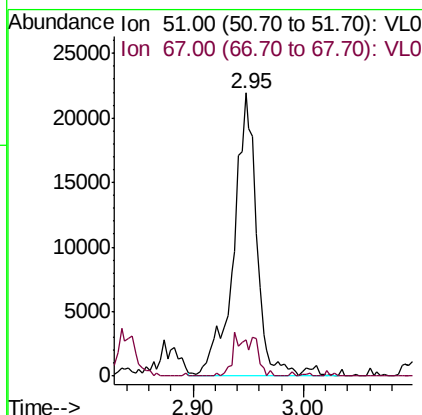
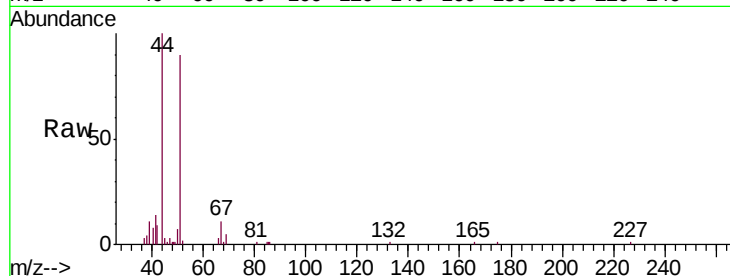




#3  
 Chlorodifluoromethane  
 Concen: 0.330 ppbv  
 RT: 2.95 min Scan# 50  
 Delta R.T. 0.00 min  
 Lab File: VL034873.D  
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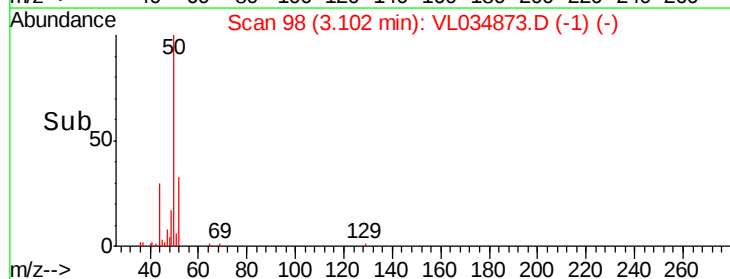
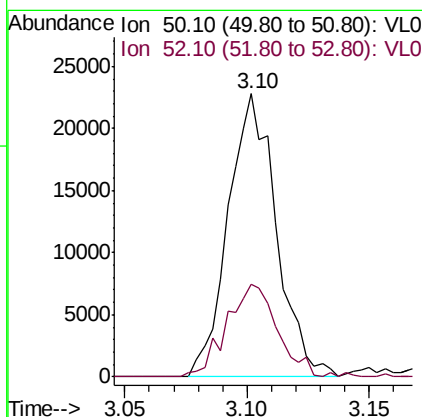
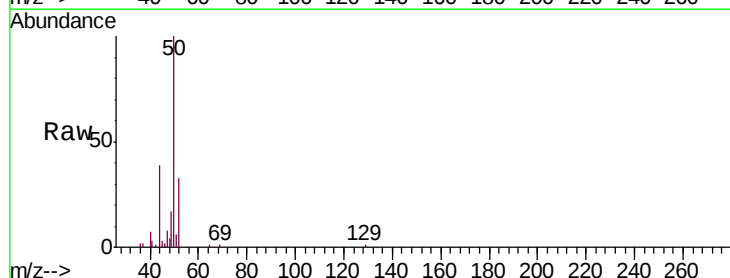
Instrument :  
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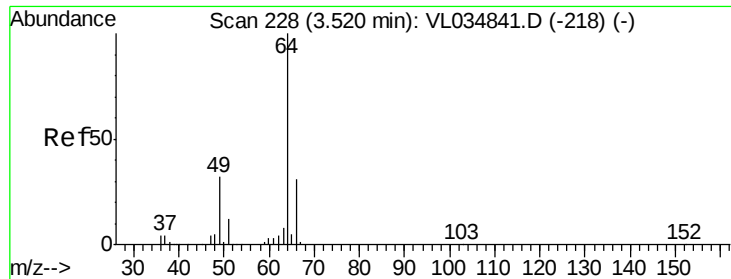
Tgt Ion: 51 Resp: 32263  
 Ion Ratio Lower Upper  
 51 100  
 67 14.0 14.3 21.5#



#4  
 Chloromethane  
 Concen: 0.563 ppbv  
 RT: 3.10 min Scan# 98  
 Delta R.T. 0.00 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

Tgt Ion: 50 Resp: 31128  
 Ion Ratio Lower Upper  
 50 100  
 52 30.8 26.8 40.2





#7

Chloroethane

Concen: 0.013 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

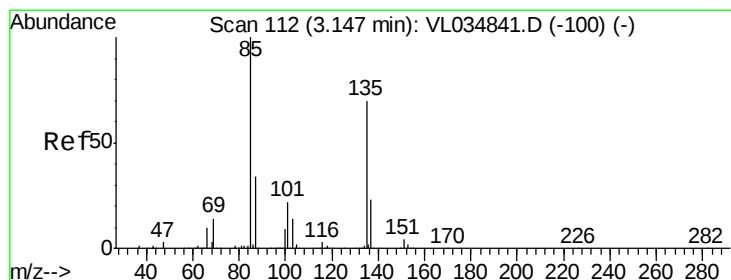
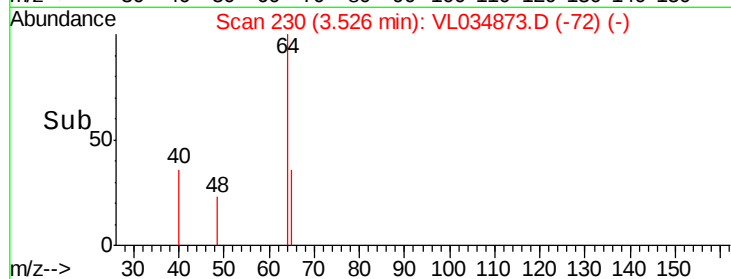
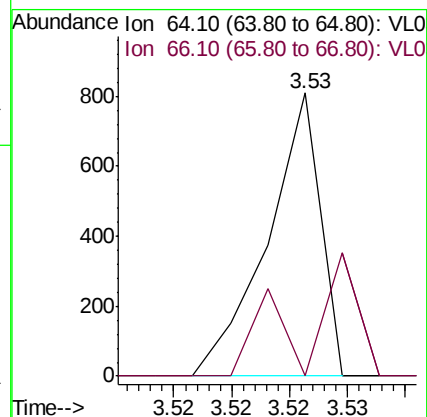
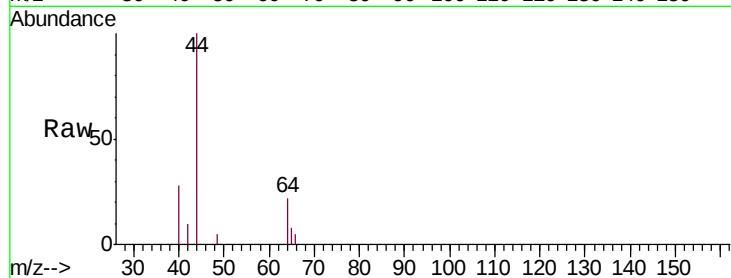
NS-1

Tgt Ion: 64 Resp: 258

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#8

Dichlorotetrafluoroethane

Concen: 0.024 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034873.D

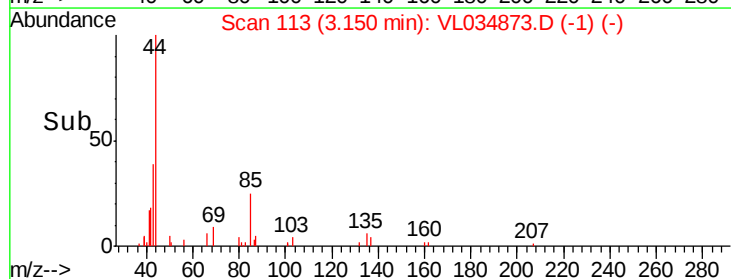
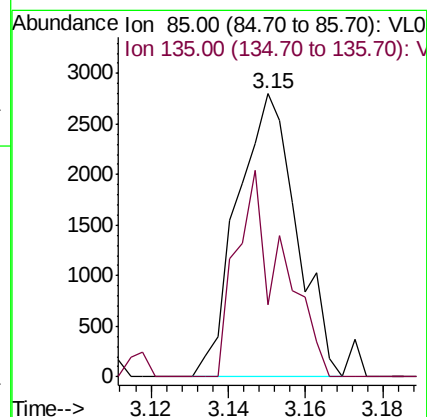
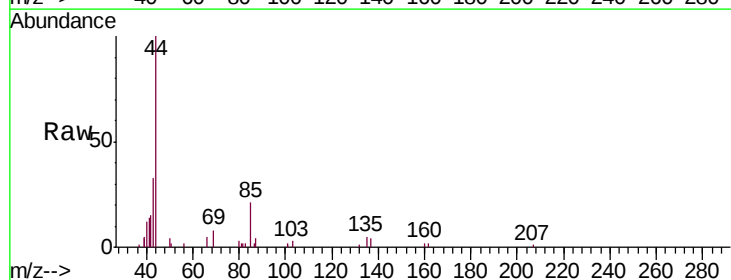
Acq: 10 Mar 2020 19:38

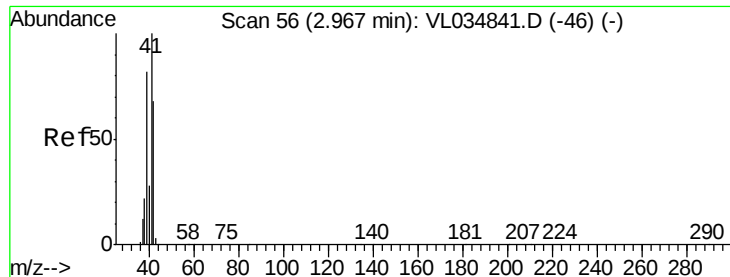
Tgt Ion: 85 Resp: 2990

Ion Ratio Lower Upper

85 100

135 58.6 54.3 81.5





#9

Propene

Concen: 3.223 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

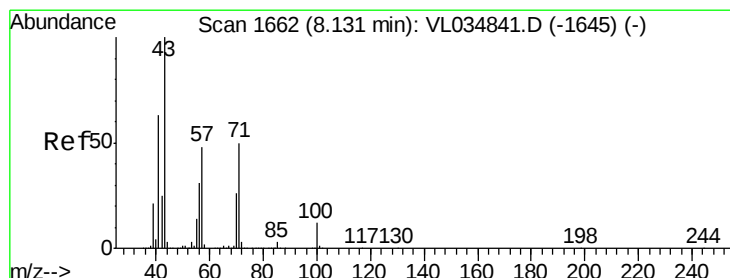
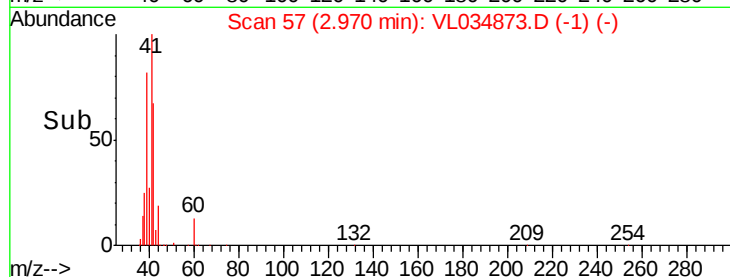
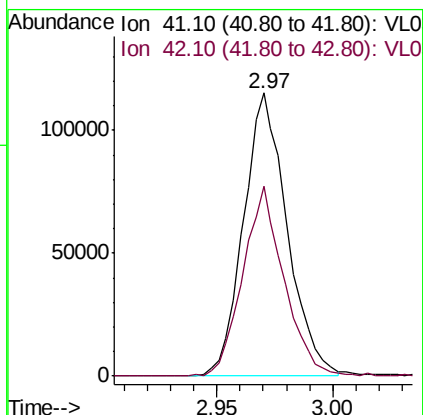
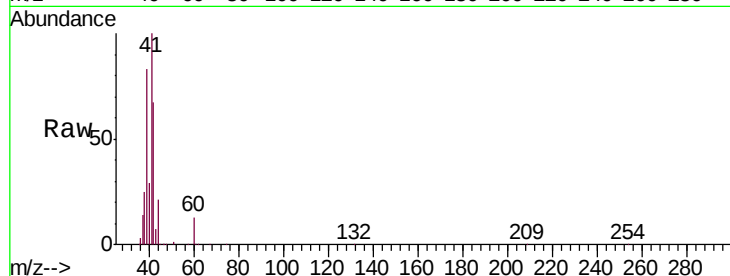
NS-1

Tgt Ion: 41 Resp: 150474

Ion Ratio Lower Upper

41 100

42 63.6 55.2 82.8



#10

Heptane

Concen: 0.388 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034873.D

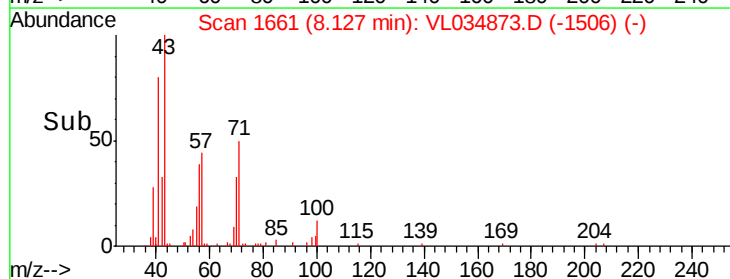
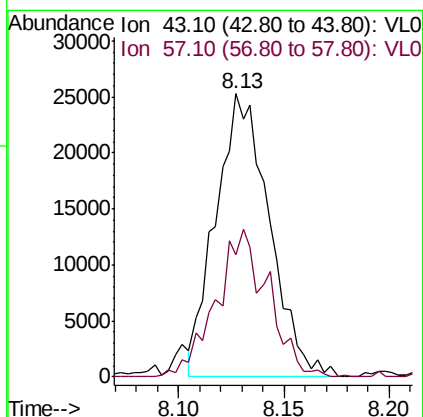
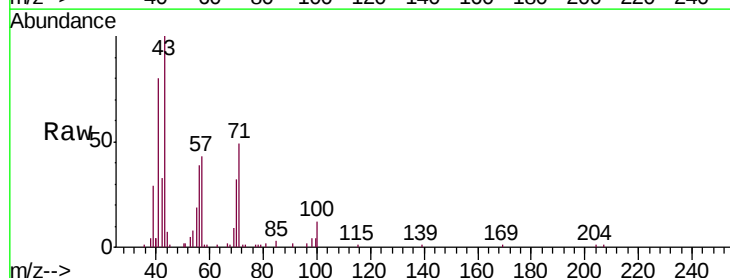
Acq: 10 Mar 2020 19:38

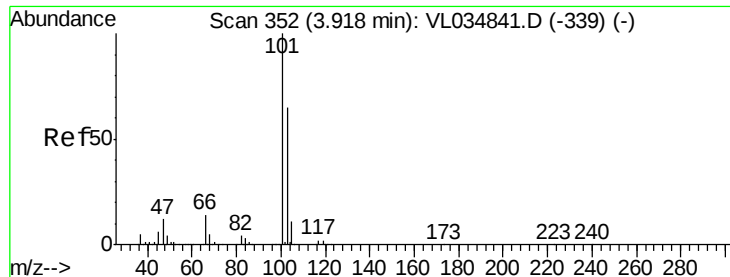
Tgt Ion: 43 Resp: 44561

Ion Ratio Lower Upper

43 100

57 51.0 39.7 59.5

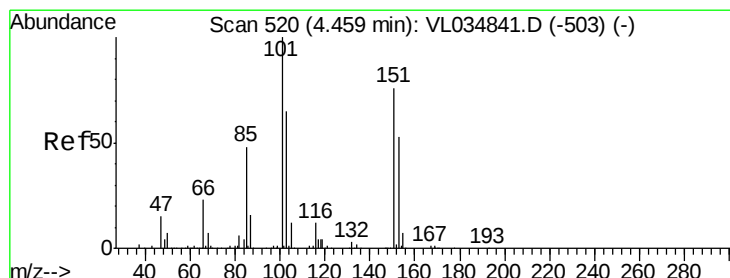
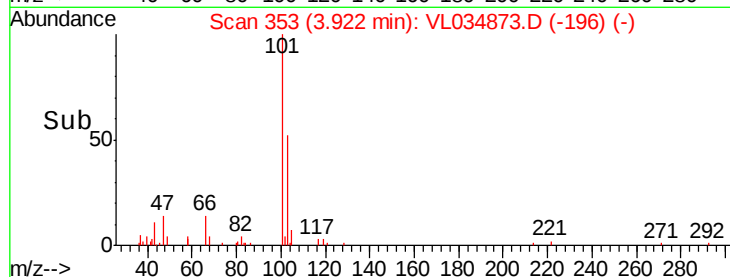
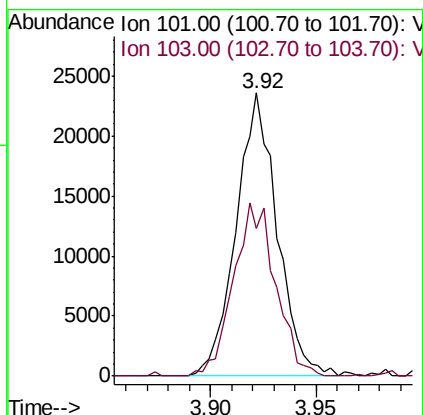
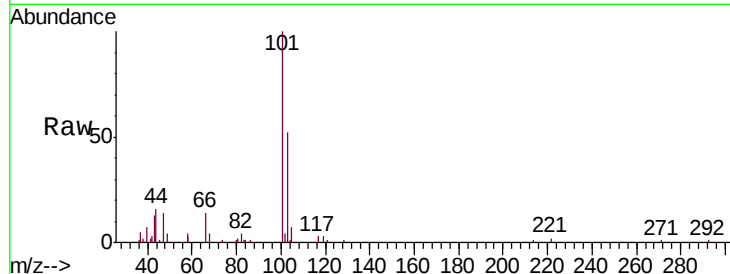




#11  
 Trichlorofluoromethane  
 Concen: 0.250 ppbv  
 RT: 3.92 min Scan# 353  
 Delta R.T. 0.00 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

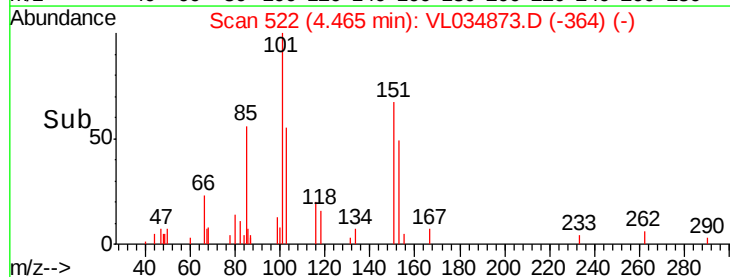
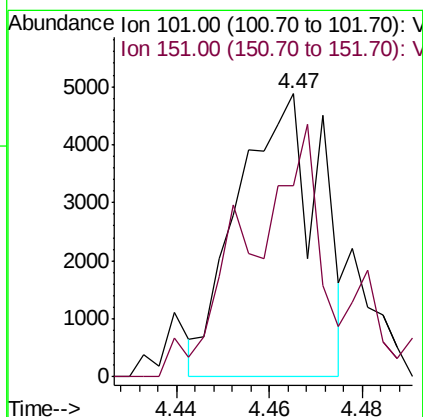
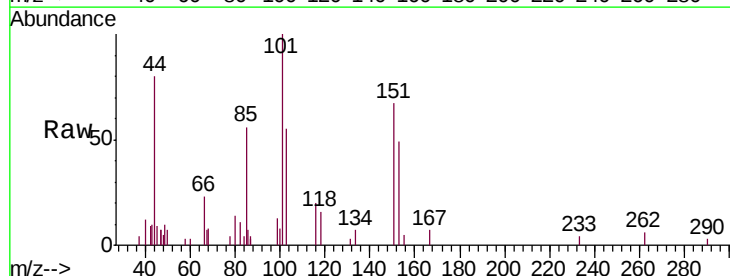
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
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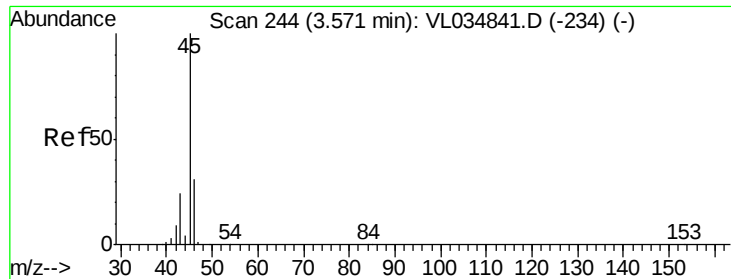
Tgt Ion:101 Resp: 31876  
 Ion Ratio Lower Upper  
 101 100  
 103 52.2 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.066 ppbv  
 RT: 4.47 min Scan# 522  
 Delta R.T. 0.01 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

Tgt Ion:101 Resp: 5931  
 Ion Ratio Lower Upper  
 101 100  
 151 94.4 60.8 91.2#





#13

Ethanol

Concen: 17.957 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

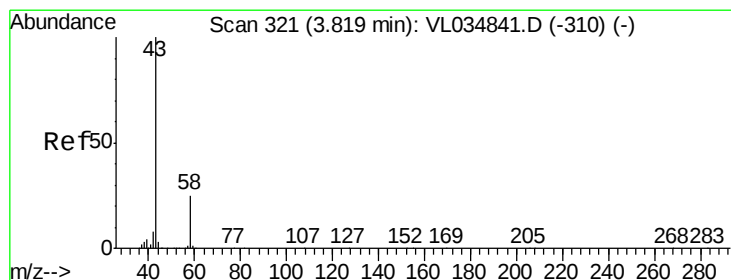
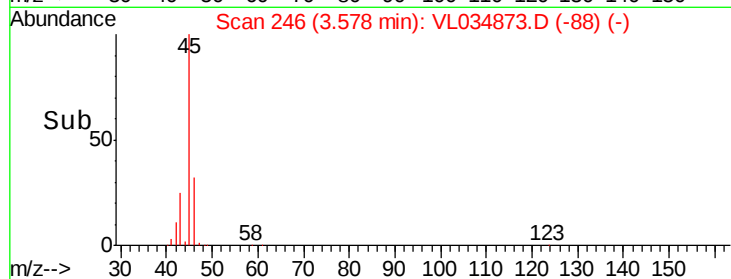
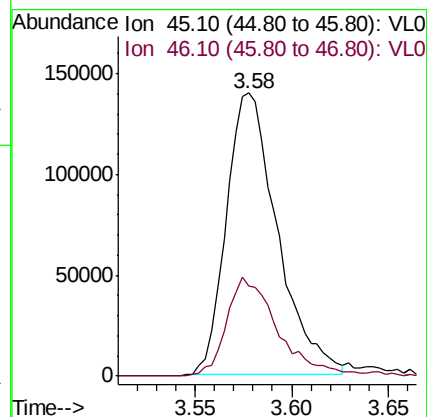
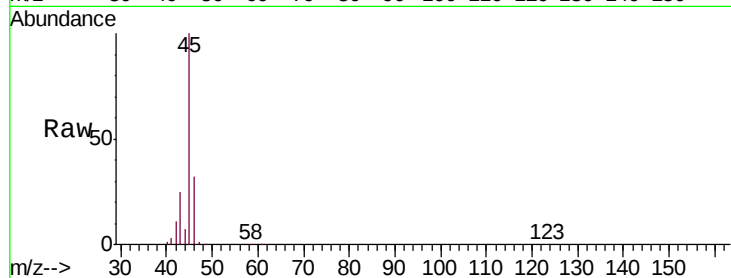
NS-1

Tgt Ion: 45 Resp: 254869

Ion Ratio Lower Upper

45 100

46 35.9 16.0 64.0



#15

Acetone

Concen: 16.055 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034873.D

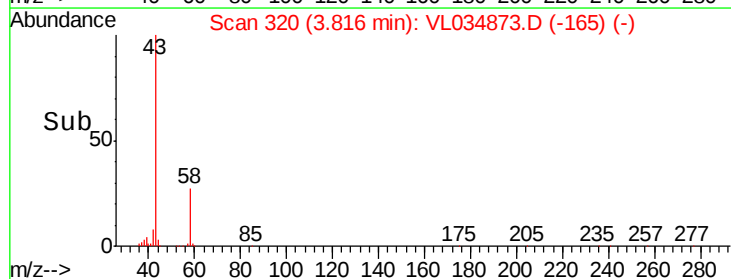
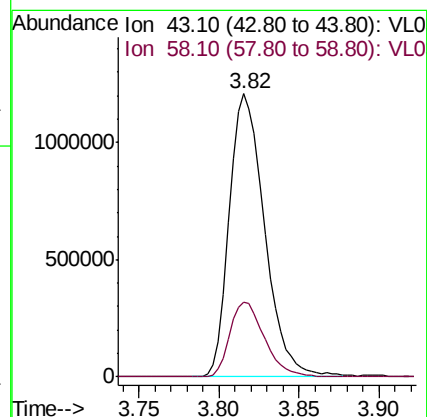
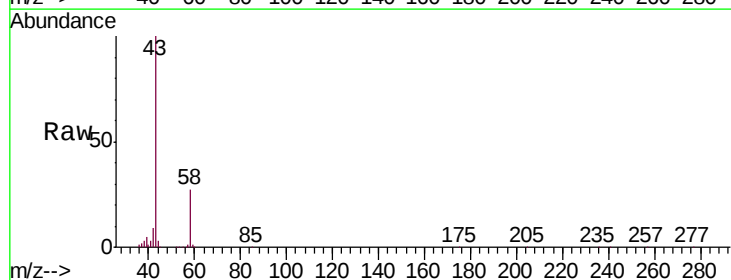
Acq: 10 Mar 2020 19:38

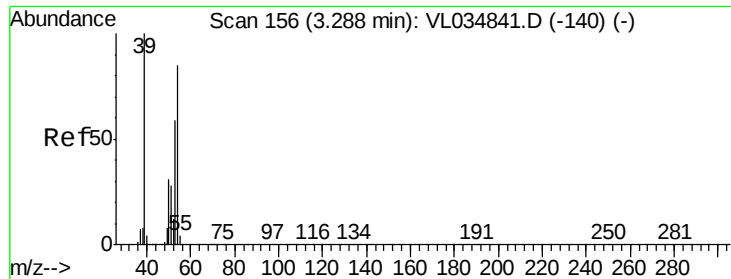
Tgt Ion: 43 Resp: 1821518

Ion Ratio Lower Upper

43 100

58 26.3 21.0 31.6

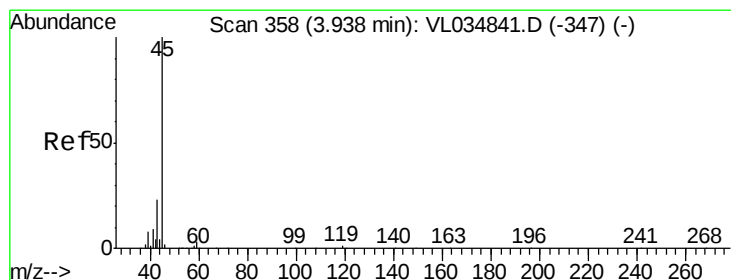
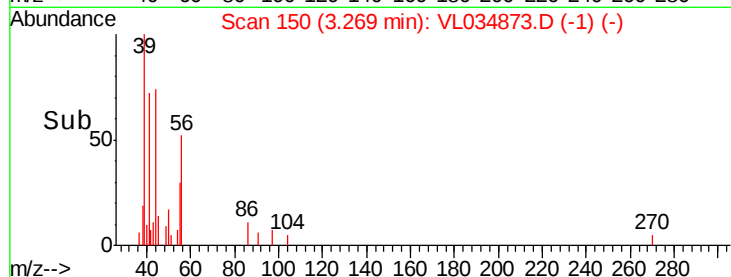
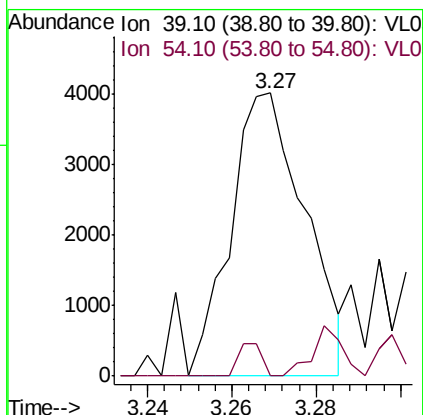
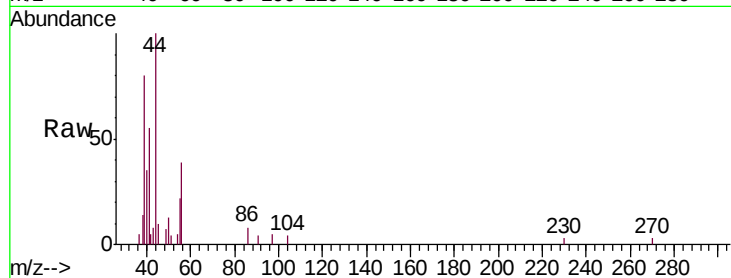




#16  
 1,3-Butadiene  
 Concen: 0.096 ppbv  
 RT: 3.27 min Scan# 150  
 Delta R.T. -0.02 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

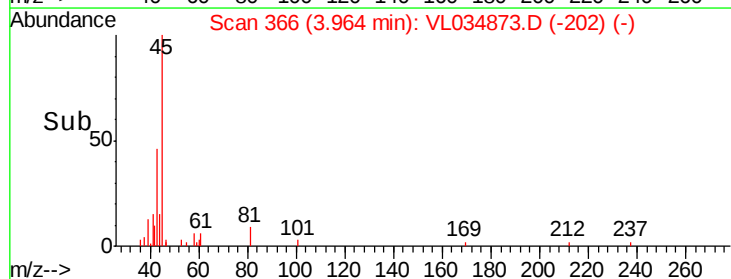
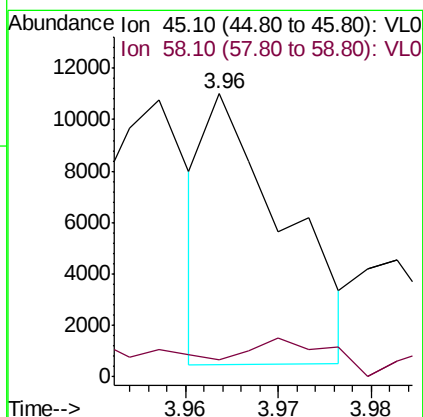
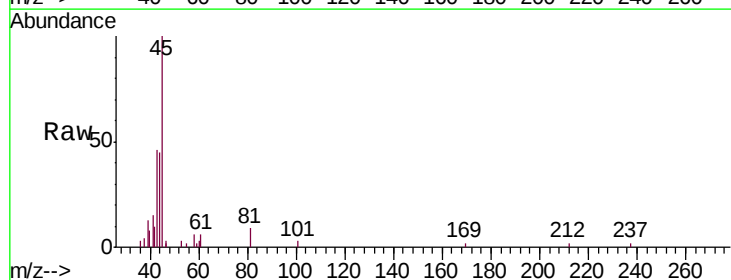
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 NS-1

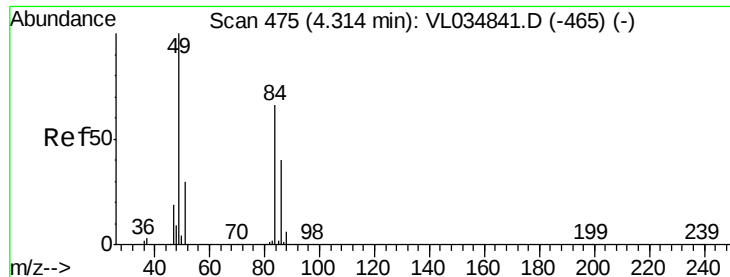
Tgt Ion: 39 Resp: 4918  
 Ion Ratio Lower Upper  
 39 100  
 54 15.9 65.0 97.6#



#19  
 Isopropyl Alcohol  
 Concen: 0.086 ppbv  
 RT: 3.96 min Scan# 366  
 Delta R.T. 0.03 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

Tgt Ion: 45 Resp: 6178  
 Ion Ratio Lower Upper  
 45 100  
 58 0.0 30.5 45.7#

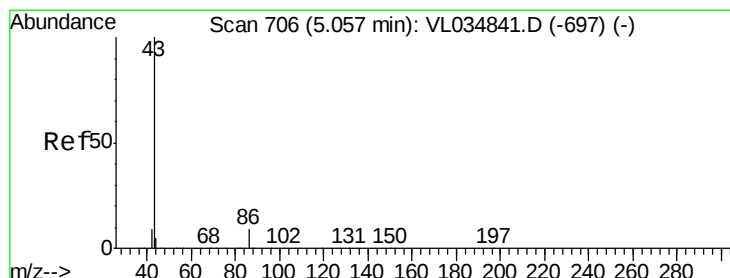
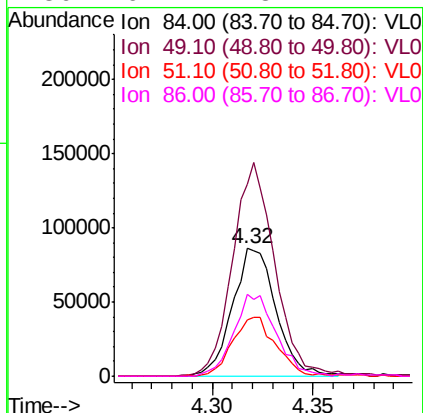
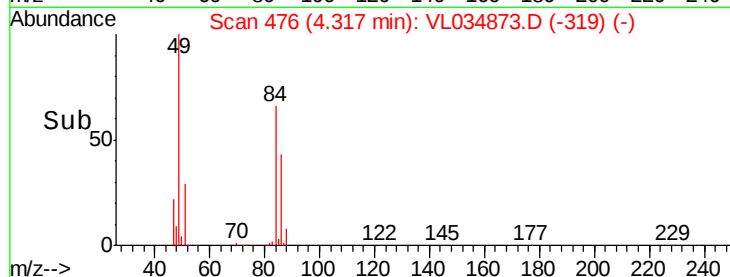
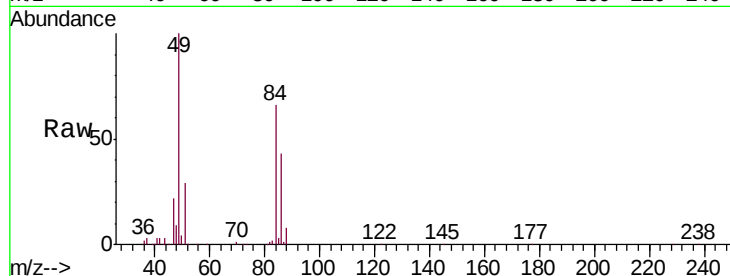




#20  
Methylene Chloride  
Concen: 3.638 ppbv  
RT: 4.32 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VL034873.D  
Acq: 10 Mar 2020 19:38

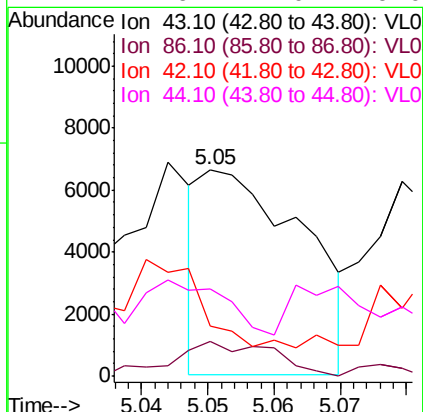
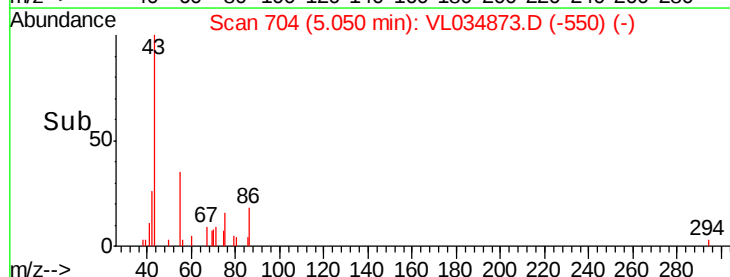
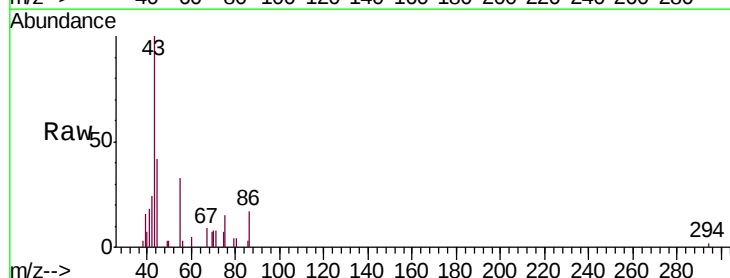
Instrument :  
MSVOA\_L  
ClientSampleId :  
NS-1

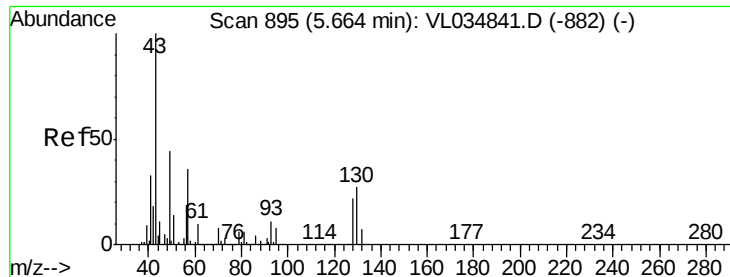
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 130481 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 150.0 | 121.5 | 182.3  |
| 51       | 43.5  | 36.6  | 55.0   |
| 86       | 64.4  | 48.2  | 72.2   |



#23  
Vinyl Acetate  
Concen: 0.042 ppbv  
RT: 5.05 min Scan# 704  
Delta R.T. -0.01 min  
Lab File: VL034873.D  
Acq: 10 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 7070  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 33.7  | 6.3   | 9.5#  |
| 42       | 17.9  | 7.8   | 11.8# |
| 44       | 1.6   | 4.0   | 6.0#  |





#25

Ethyl Acetate

Concen: 0.250 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

NS-1

Tgt Ion: 43 Resp: 50508

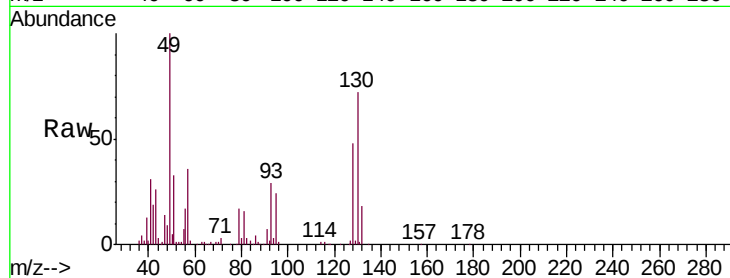
Ion Ratio Lower Upper

43 100

45 2.5 8.2 12.2#

61 1.3 7.8 11.6#

70 3.2 5.8 8.8#

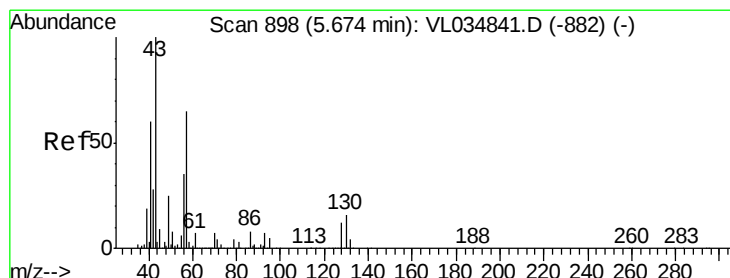
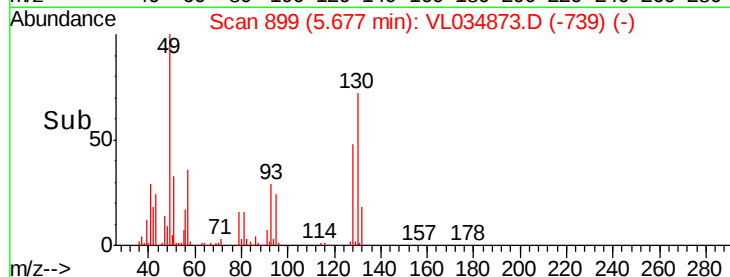
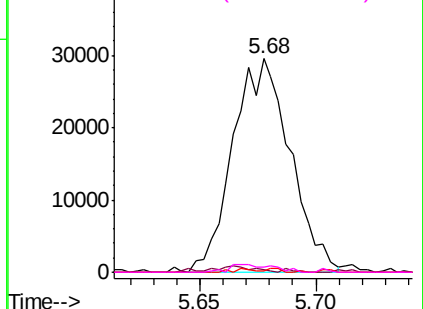


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.797 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Tgt Ion: 57 Resp: 69352

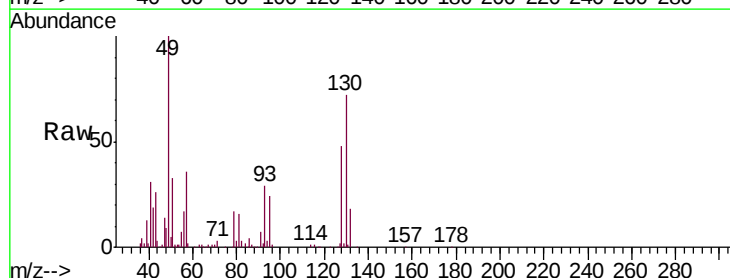
Ion Ratio Lower Upper

57 100

41 95.0 72.6 109.0

43 74.2 183.8 275.6#

56 52.9 41.9 62.9

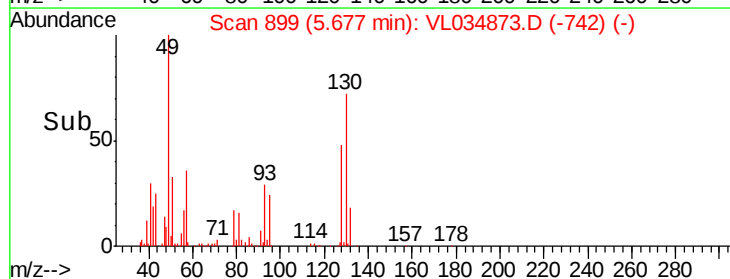
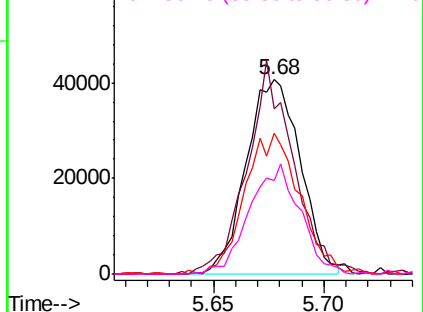


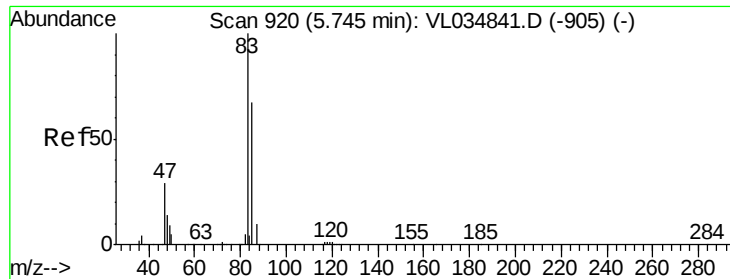
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#29

Chloroform

Concen: 0.020 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

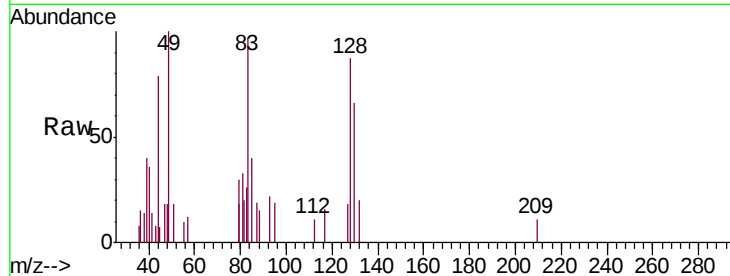
NS-1

Tgt Ion: 83 Resp: 2676

Ion Ratio Lower Upper

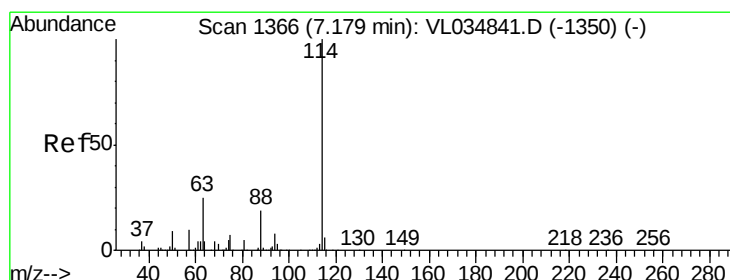
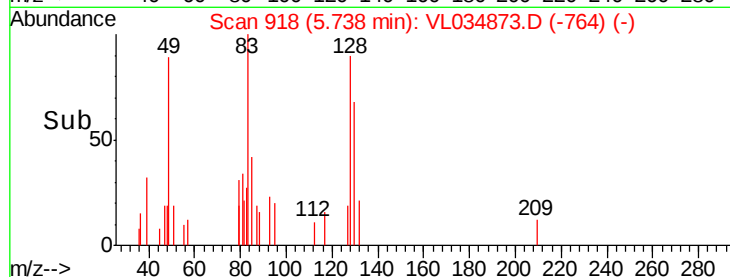
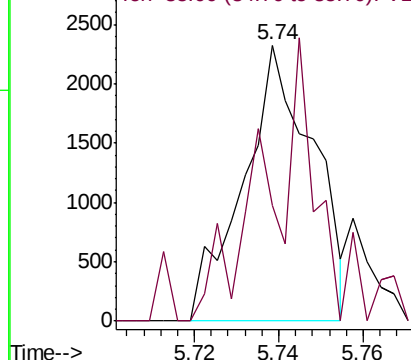
83 100

85 41.9 53.8 80.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

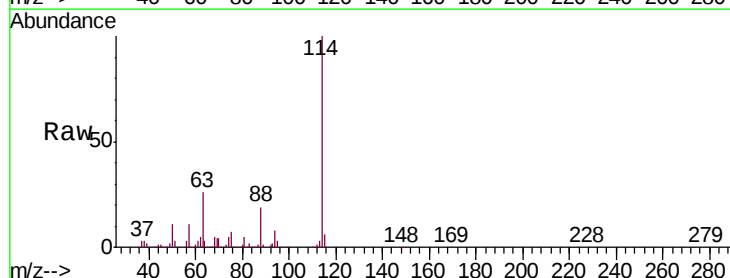
Tgt Ion: 114 Resp: 1935687

Ion Ratio Lower Upper

114 100

63 27.2 20.6 31.0

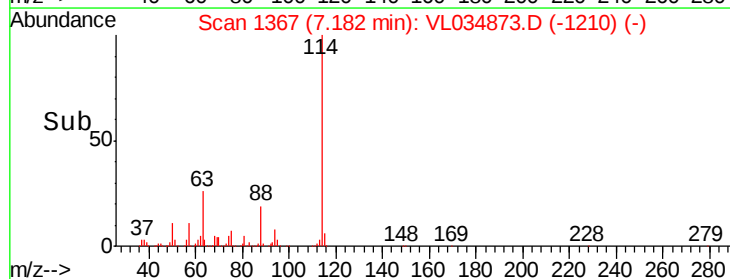
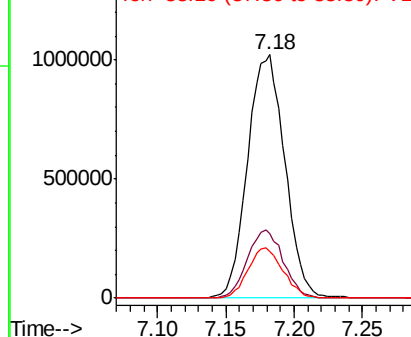
88 19.5 15.0 22.6

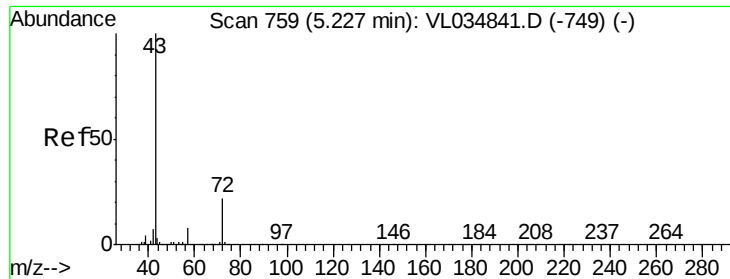


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.208 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

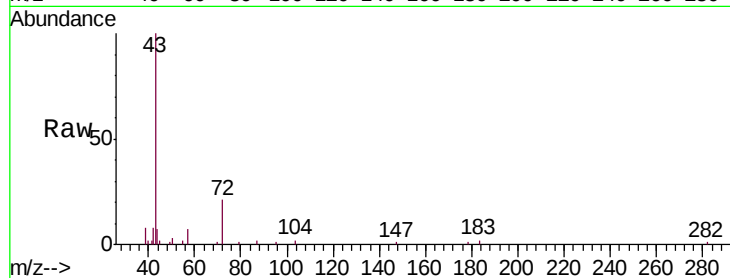
NS-1

Tgt Ion: 43 Resp: 26719

Ion Ratio Lower Upper

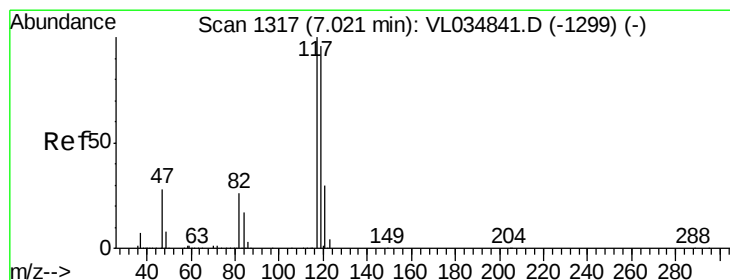
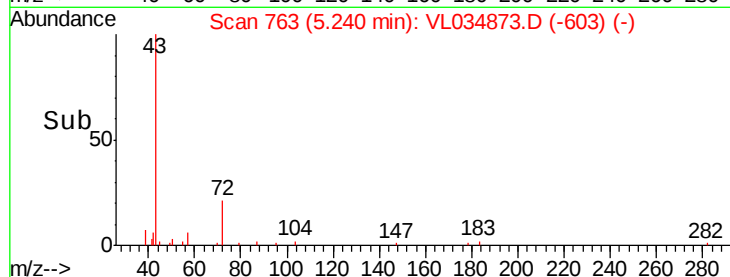
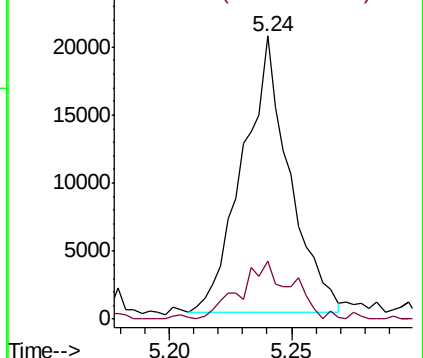
43 100

72 24.8 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.012 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

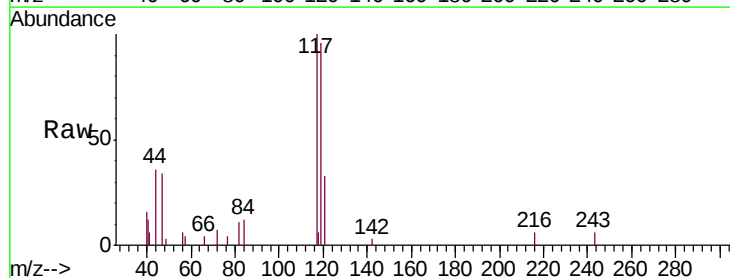
Tgt Ion: 117 Resp: 1446

Ion Ratio Lower Upper

117 100

119 36.0 77.0 115.4#

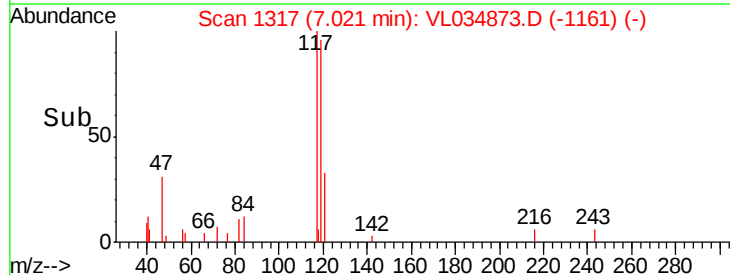
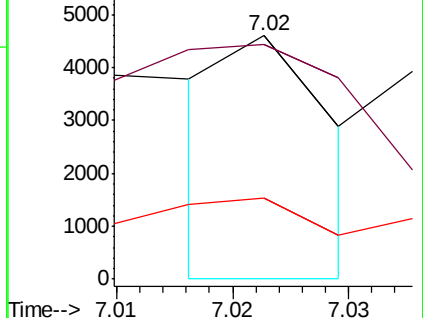
121 40.3 24.0 36.0#

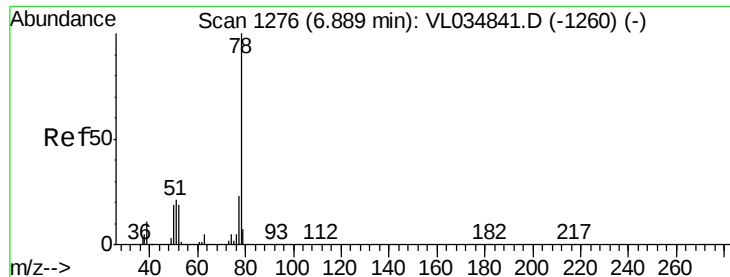


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 0.159 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampled :

NS-1

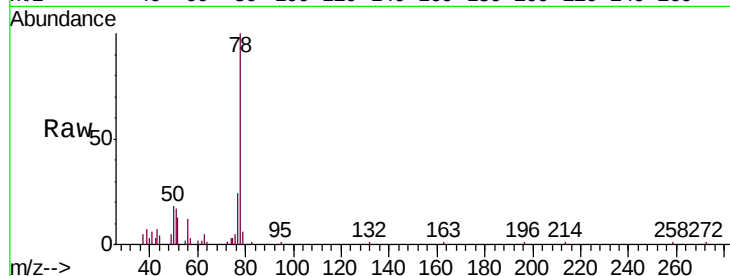
Tgt Ion: 78 Resp: 27368

Ion Ratio Lower Upper

78 100

77 22.6 18.2 27.2

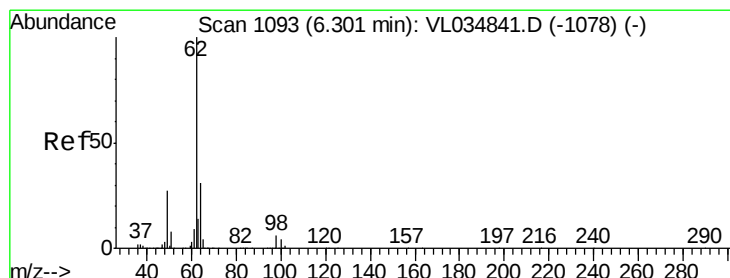
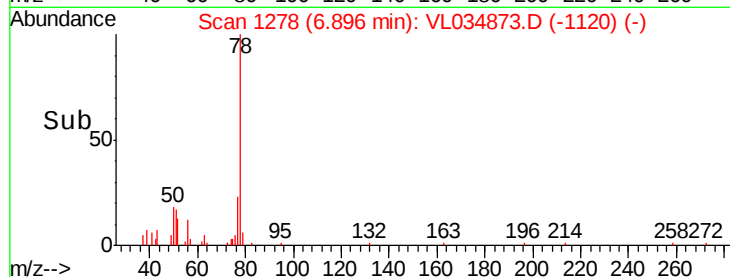
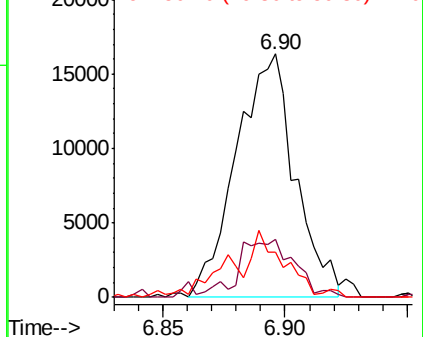
50 17.0 15.2 22.8



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



#37

1,2-Dichloroethane

Concen: 0.011 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL034873.D

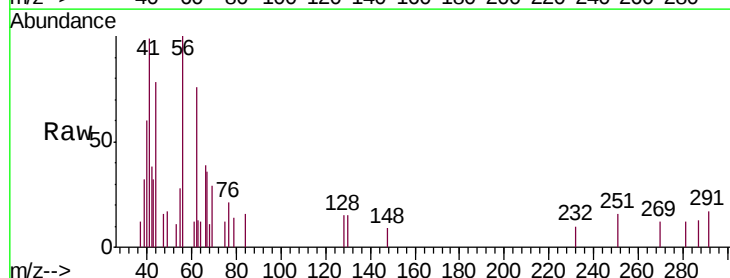
Acq: 10 Mar 2020 19:38

Tgt Ion: 62 Resp: 1071

Ion Ratio Lower Upper

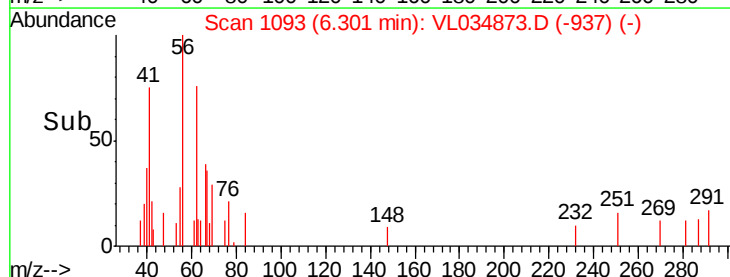
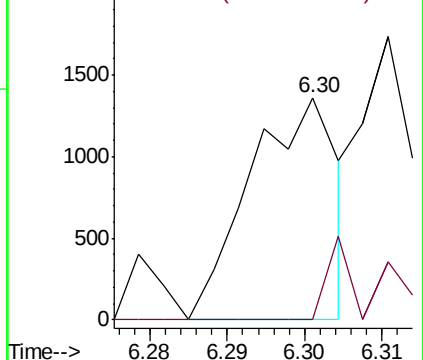
62 100

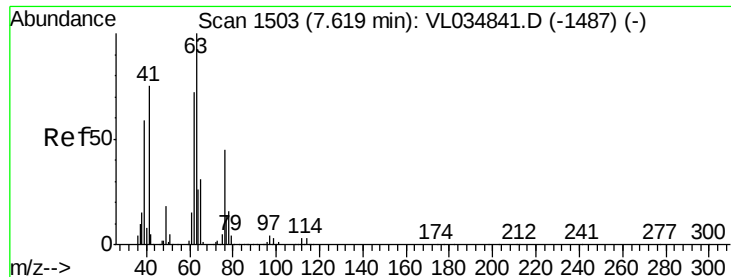
98 18.3 5.2 7.8#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 7.640 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.44 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

NS-1

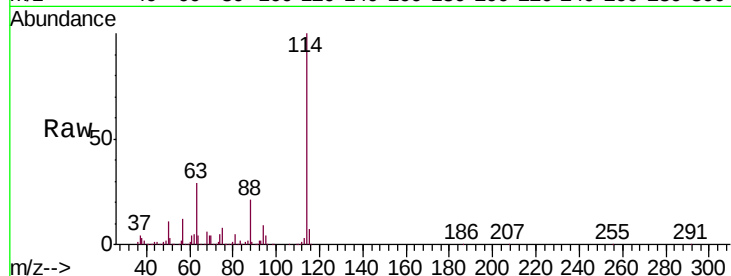
Tgt Ion: 63 Resp: 522271

Ion Ratio Lower Upper

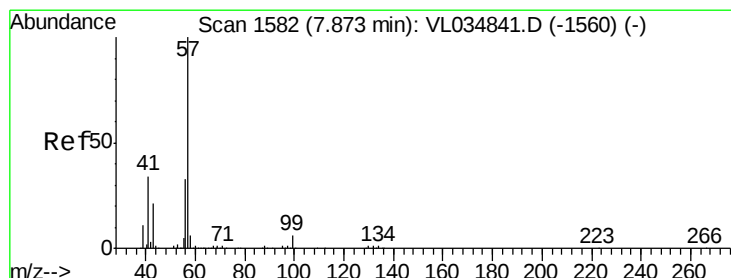
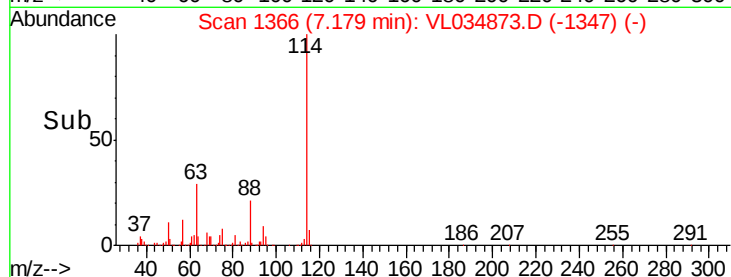
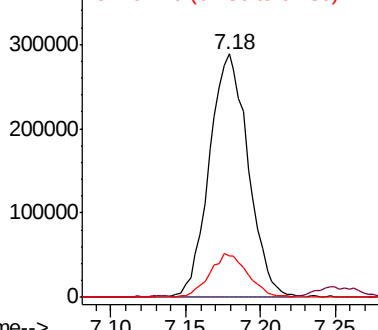
63 100

41 0.0 59.8 89.8#

62 17.2 57.6 86.4#



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



#44

2,2,4-Trimethylpentane

Concen: 0.023 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

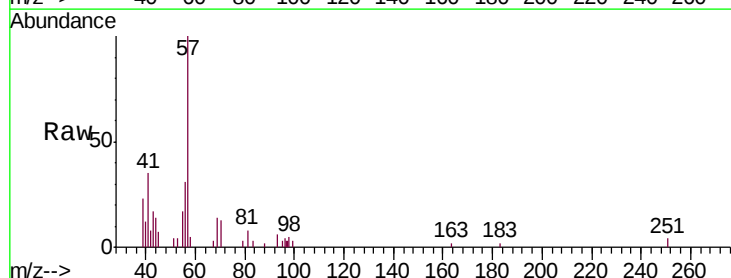
Tgt Ion: 57 Resp: 6818

Ion Ratio Lower Upper

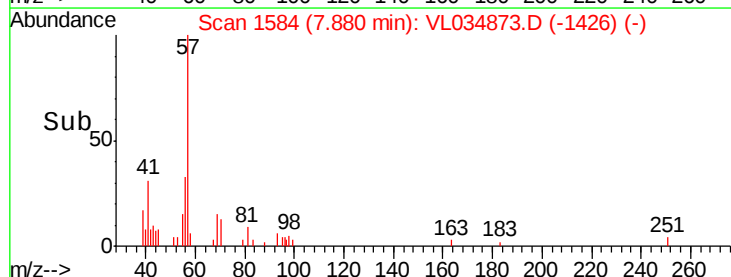
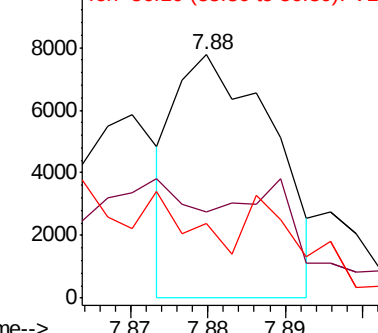
57 100

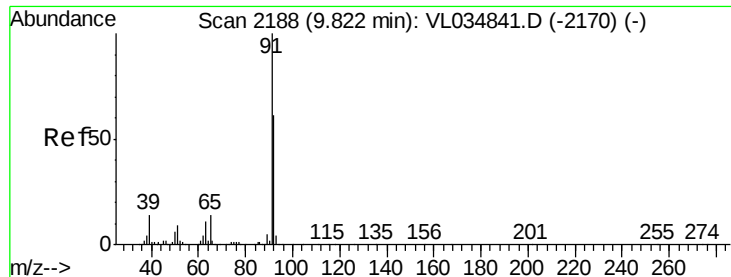
41 0.0 26.2 39.4#

56 0.0 25.0 37.4#



Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0





#53

Toluene

Concen: 3.357 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampleId :

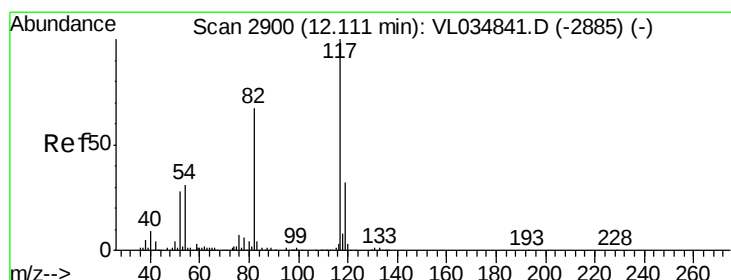
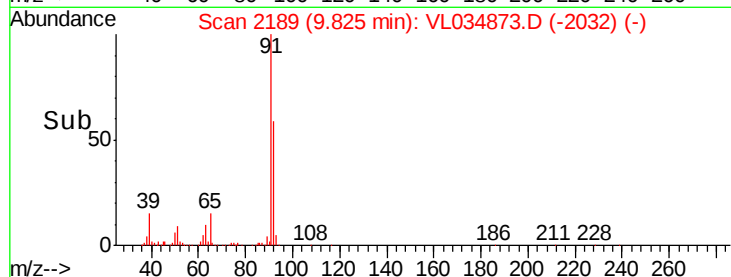
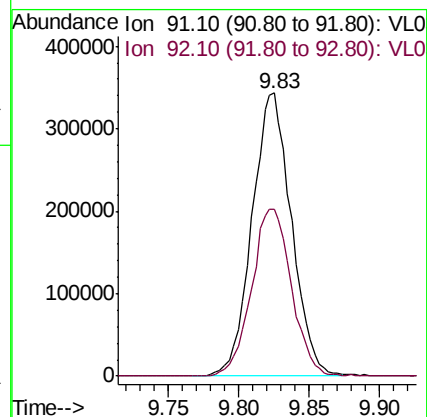
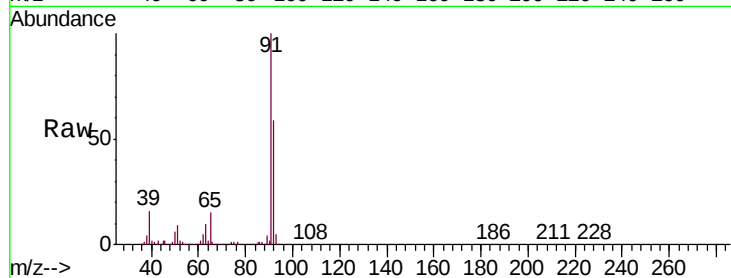
NS-1

Tgt Ion: 91 Resp: 668956

Ion Ratio Lower Upper

91 100

92 59.9 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

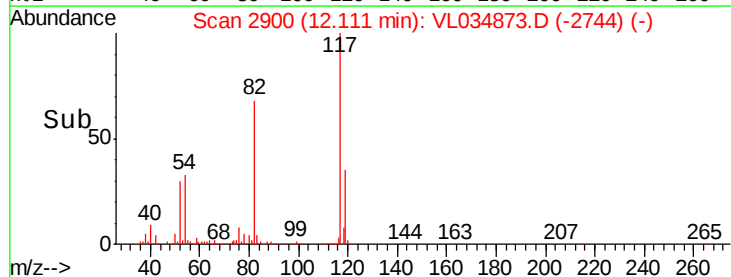
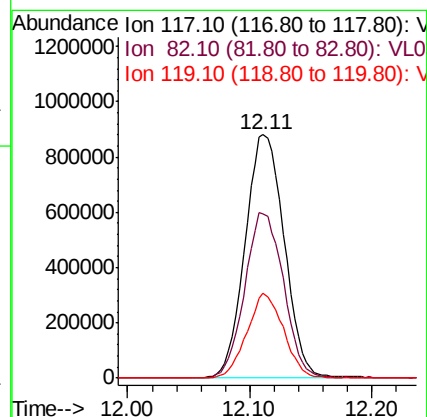
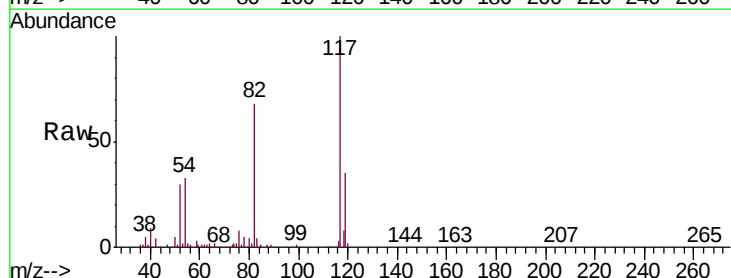
Tgt Ion: 117 Resp: 1945589

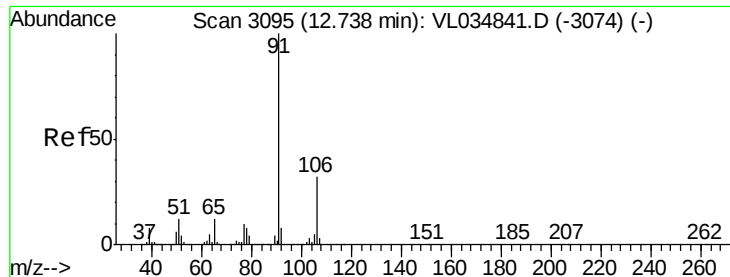
Ion Ratio Lower Upper

117 100

82 67.5 51.1 76.7

119 32.6 27.3 40.9





#58

Ethyl Benzene

Concen: 0.013 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.00 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampled :

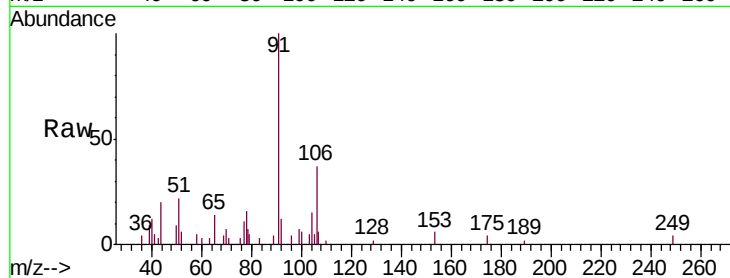
NS-1

Tgt Ion: 91 Resp: 3472

Ion Ratio Lower Upper

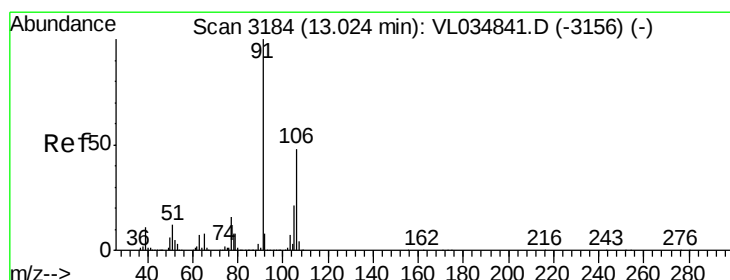
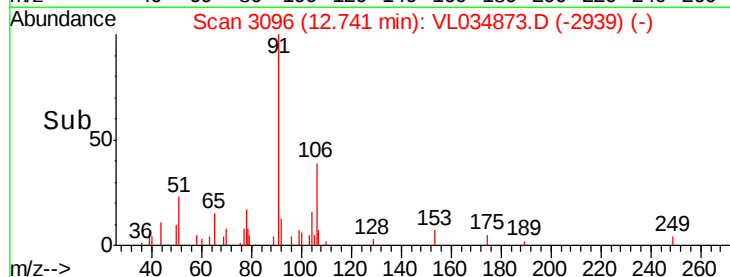
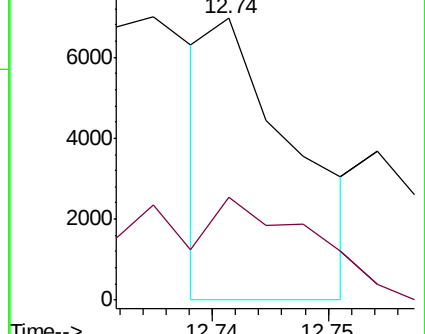
91 100

106 33.8 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.040 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL034873.D

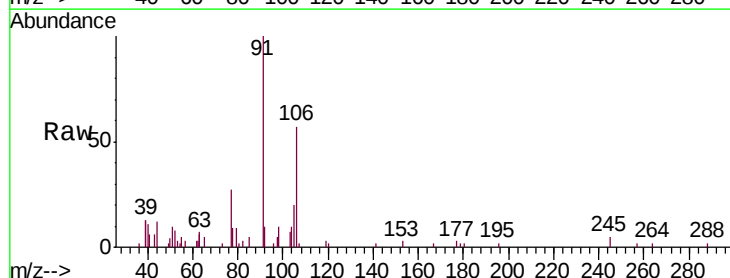
Acq: 10 Mar 2020 19:38

Tgt Ion: 91 Resp: 8912

Ion Ratio Lower Upper

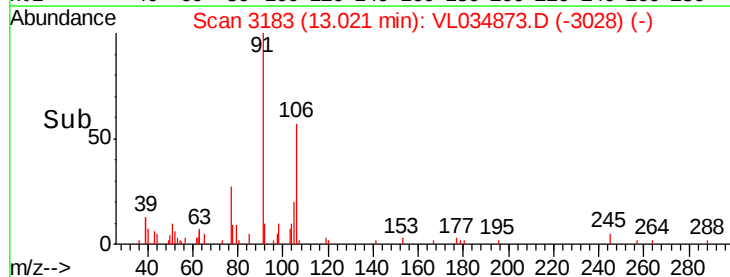
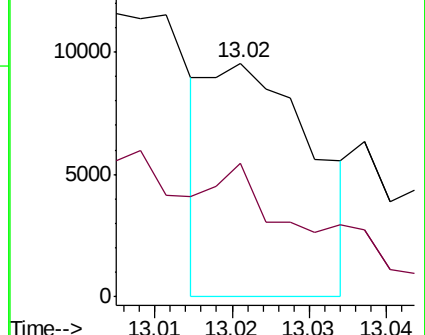
91 100

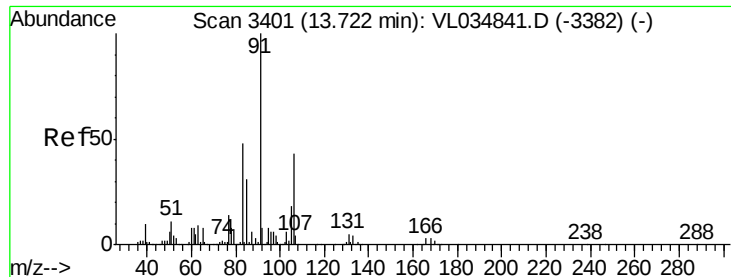
106 0.0 37.1 55.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

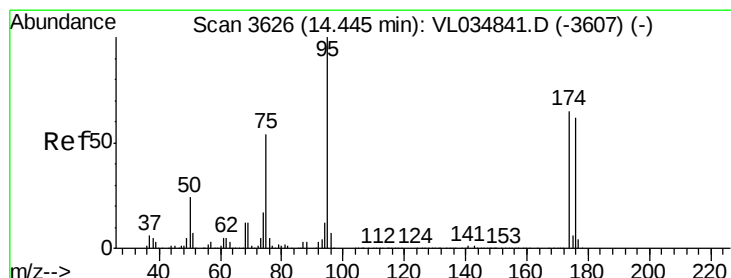
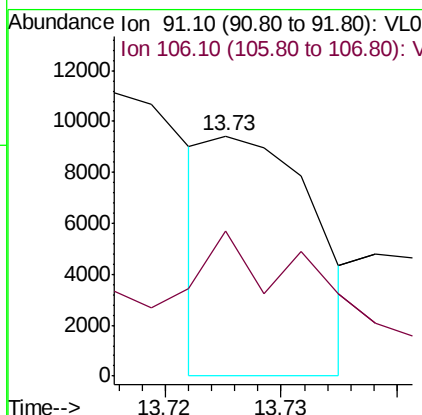
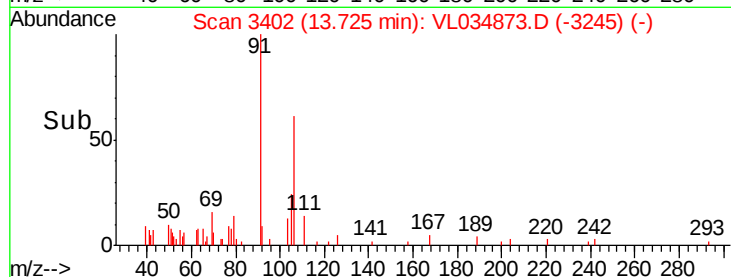
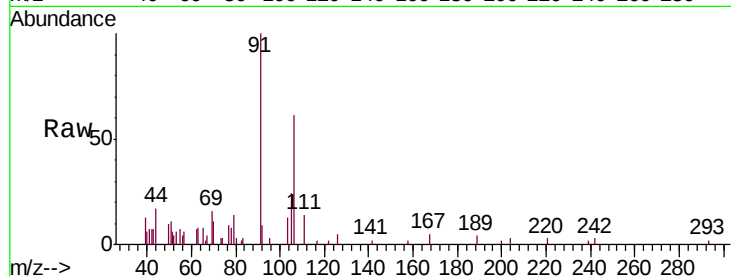




#60  
o-Xylene  
Concen: 0.027 ppbv  
RT: 13.73 min Scan# 3402  
Delta R.T. 0.00 min  
Lab File: VL034873.D  
Acq: 10 Mar 2020 19:38

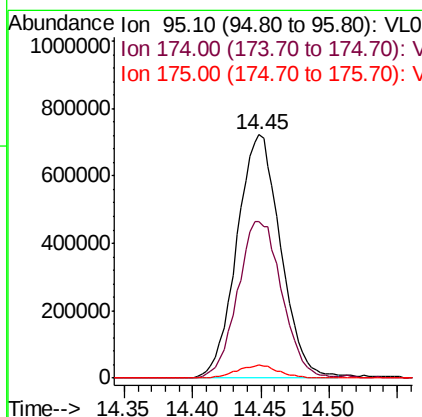
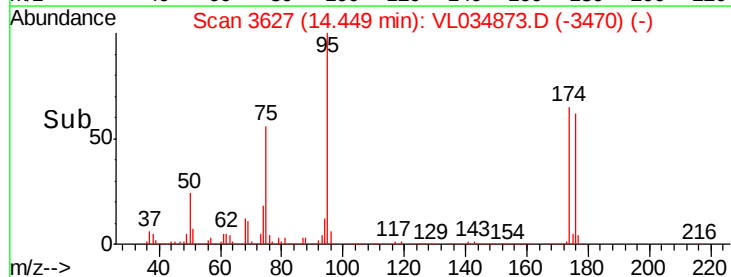
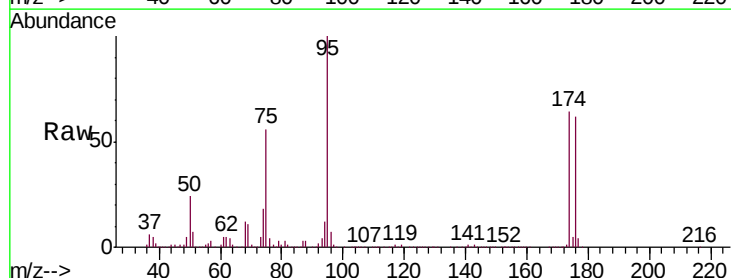
Instrument :  
MSVOA\_L  
ClientSampleId :  
NS-1

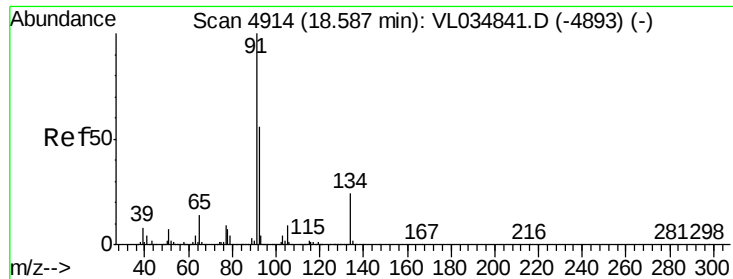
Tgt Ion: 91 Resp: 5909  
Ion Ratio Lower Upper  
91 100  
106 151.5 22.5 67.5#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.538 ppbv  
RT: 14.45 min Scan# 3627  
Delta R.T. 0.00 min  
Lab File: VL034873.D  
Acq: 10 Mar 2020 19:38

Tgt Ion: 95 Resp: 1598971  
Ion Ratio Lower Upper  
95 100  
174 66.4 55.2 82.8  
175 5.2 4.3 6.5

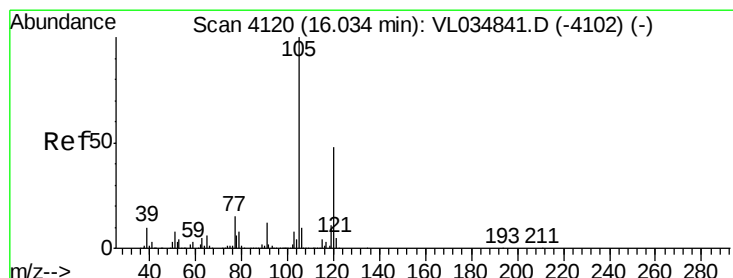
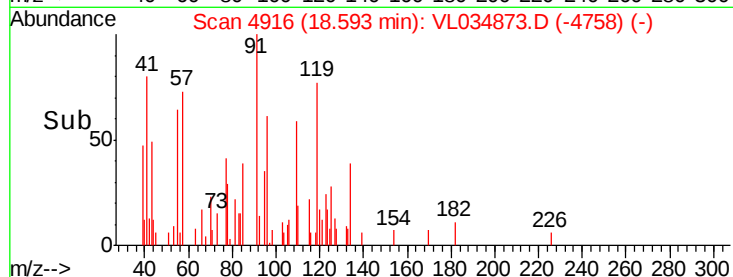
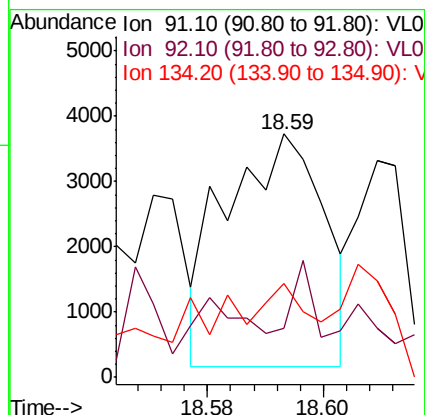
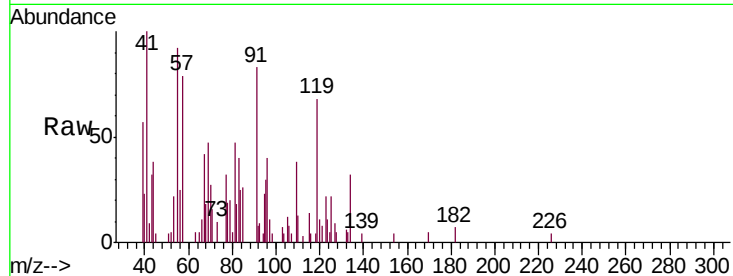




#70  
n-Butylbenzene  
Concen: 0.012 ppbv  
RT: 18.59 min Scan# 4916  
Delta R.T. 0.01 min  
Lab File: VL034873.D  
Acq: 10 Mar 2020 19:38

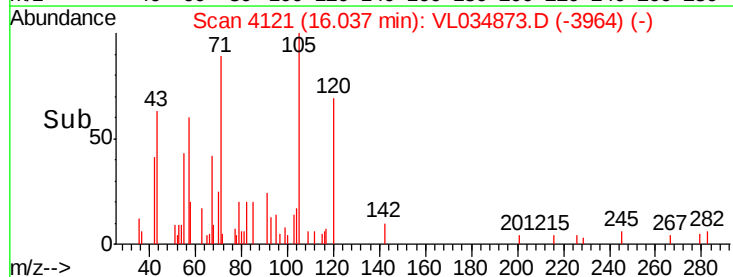
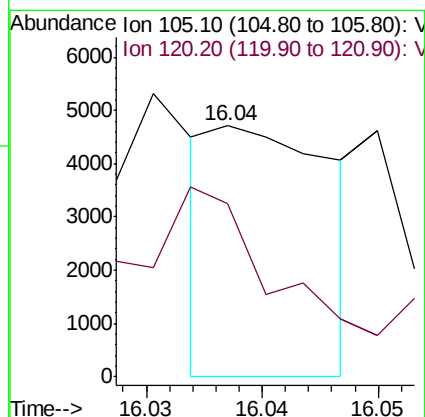
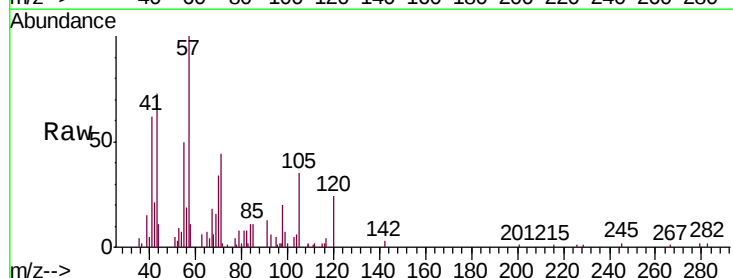
Instrument :  
MSVOA\_L  
ClientSampled :  
NS-1

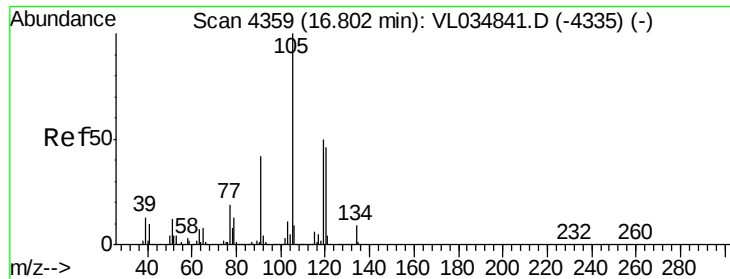
Tgt Ion: 91 Resp: 4192  
Ion Ratio Lower Upper  
91 100  
92 70.9 43.8 65.6#  
134 0.0 19.0 28.4#



#73  
1,3,5-Trimethylbenzene  
Concen: 0.014 ppbv  
RT: 16.04 min Scan# 4121  
Delta R.T. 0.00 min  
Lab File: VL034873.D  
Acq: 10 Mar 2020 19:38

Tgt Ion: 105 Resp: 3369  
Ion Ratio Lower Upper  
105 100  
120 337.4 38.6 58.0#

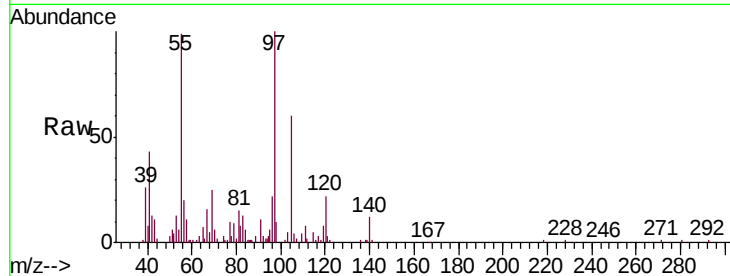




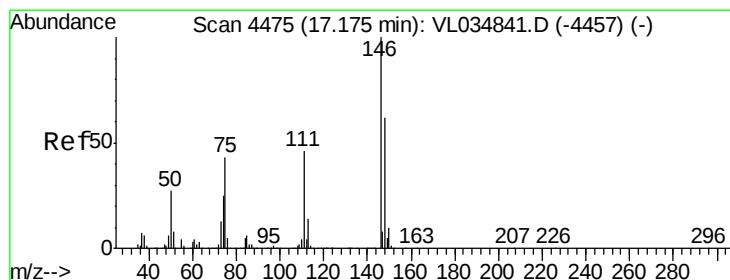
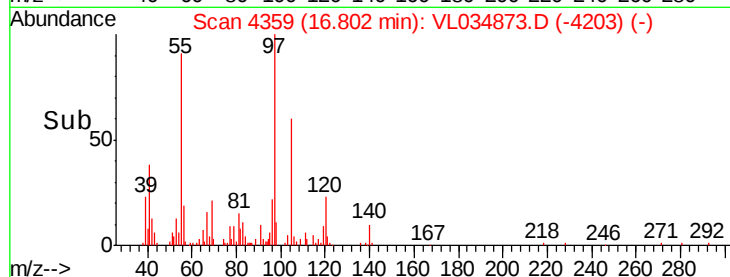
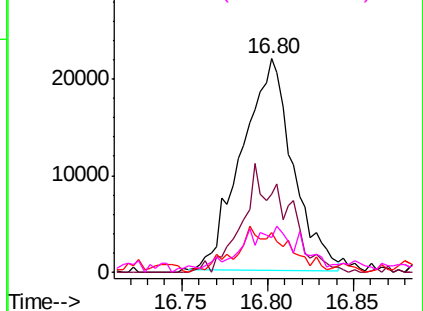
#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.183 ppbv  
 RT: 16.80 min Scan# 4359  
 Delta R.T. 0.00 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 NS-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 45035 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 42.6  | 37.0  | 55.4  |
| 91       | 18.6  | 33.8  | 50.6# |
| 77       | 18.6  | 15.4  | 23.0  |

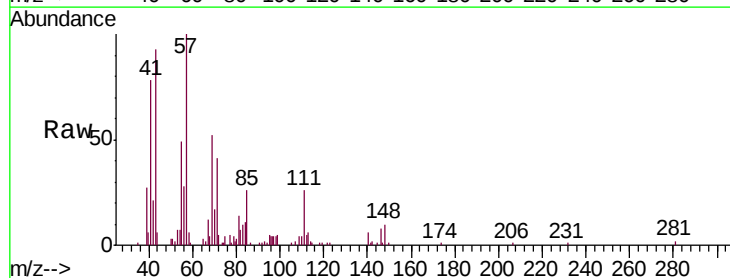


Abundance Ion 105.10 (104.80 to 105.80): V  
 Ion 120.20 (119.90 to 120.90): V  
 Ion 91.10 (90.80 to 91.80): VL0  
 Ion 77.10 (76.80 to 77.80): VL0

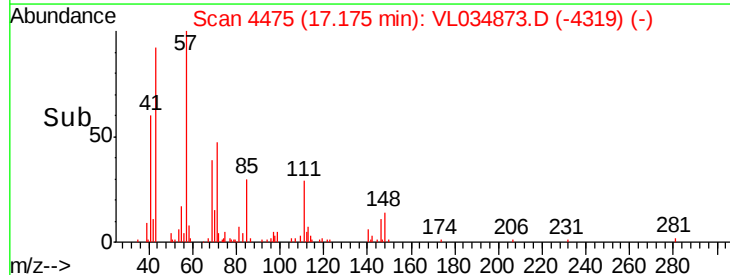
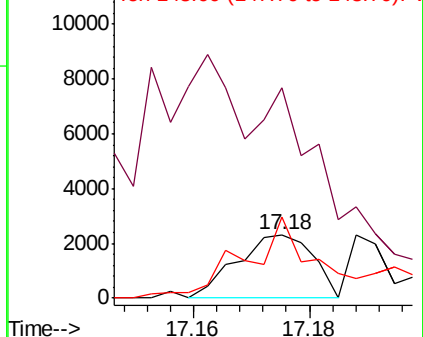


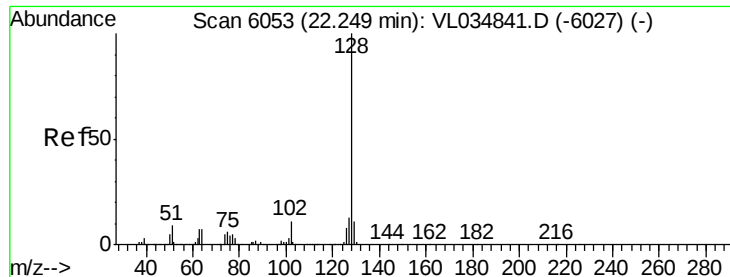
#76  
 1,4-Dichlorobenzene  
 Concen: 0.014 ppbv  
 RT: 17.18 min Scan# 4475  
 Delta R.T. 0.00 min  
 Lab File: VL034873.D  
 Acq: 10 Mar 2020 19:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 2101  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 0.0   | 23.4  | 70.2# |
| 148      | 172.7 | 32.3  | 96.9# |



Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.10 (110.80 to 111.80): V  
 Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.041 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

Instrument :

MSVOA\_L

ClientSampled :

NS-1

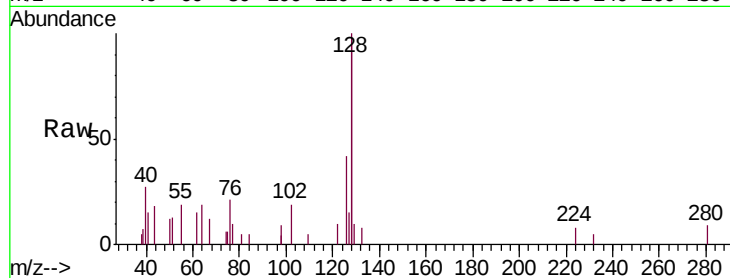
Tgt Ion:128 Resp: 7795

Ion Ratio Lower Upper

128 100

127 50.4 10.2 15.2#

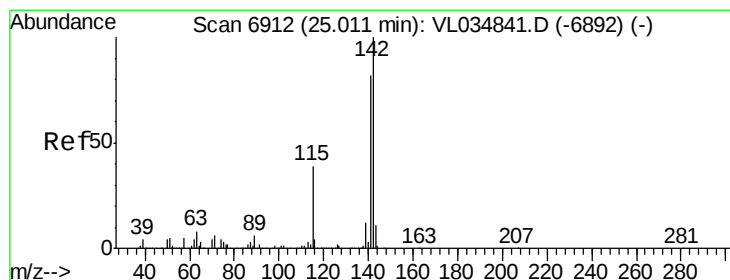
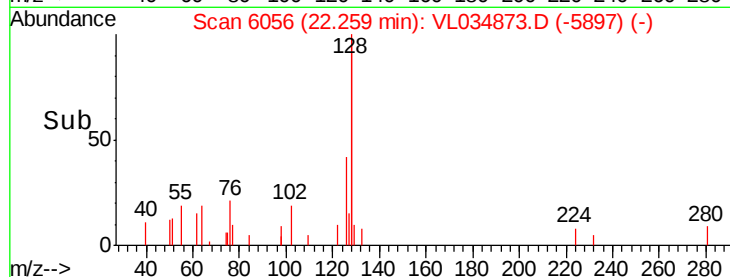
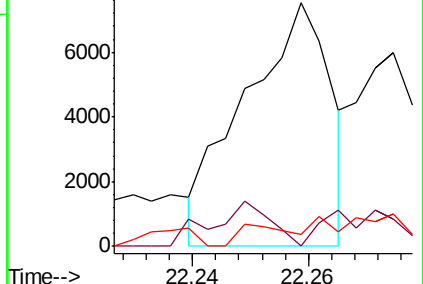
129 0.0 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.021 ppbv

RT: 25.03 min Scan# 6918

Delta R.T. 0.02 min

Lab File: VL034873.D

Acq: 10 Mar 2020 19:38

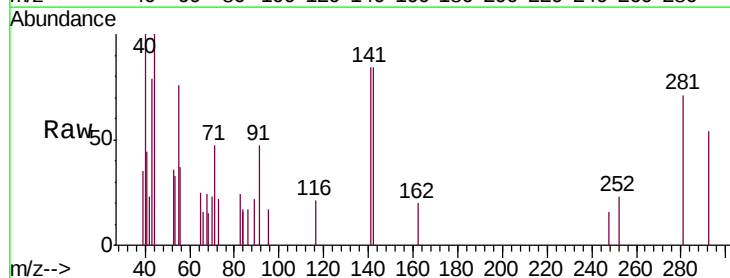
Tgt Ion:142 Resp: 1063

Ion Ratio Lower Upper

142 100

141 83.1 68.9 103.3

115 53.4 33.2 49.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

