

Data File : VL033854.D  
Acq On : 30 May 2019 3:34  
Operator : SY/AP  
Sample : K3067-06  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-5-20190523-0

Quant Time: May 30 06:24:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL051719AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri May 17 08:15:41 2019  
QLast Update : Fri May 17 08:15:41 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 724319   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1663507  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1721790  | 10.00 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1373733  | 9.84     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.40% |

#### Target Compounds

|                                |       |     |        |        |        | Qvalue |
|--------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.07  | 85  | 38108  | 0.250  | ppbv   | 95     |
| 3) Chlorodifluoromethane       | 3.01  | 51  | 65790  | 0.793  | ppbv # | 89     |
| 4) Chloromethane               | 3.17  | 50  | 12025  | 0.253  | ppbv   | 94     |
| 9) Propene                     | 3.04  | 41  | 6290   | 0.178  | ppbv # | 53     |
| 10) Heptane                    | 8.24  | 43  | 5673   | 0.057  | ppbv   | 88     |
| 11) Trichlorofluoromethane     | 4.00  | 101 | 43672  | 0.300  | ppbv   | 93     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55  | 101 | 4433   | 0.044  | ppbv # | 13     |
| 13) Ethanol                    | 3.67  | 45  | 221566 | 19.425 | ppbv   | 99     |
| 15) Acetone                    | 3.90  | 43  | 595615 | 5.927  | ppbv   | 100    |
| 17) tert-Butyl alcohol         | 4.37  | 59  | 4634   | 0.057  | ppbv # | 72     |
| 19) Isopropyl Alcohol          | 4.05  | 45  | 229227 | 3.538  | ppbv # | 94     |
| 20) Methylene Chloride         | 4.40  | 84  | 132017 | 3.412  | ppbv   | 94     |
| 23) Vinyl Acetate              | 5.14  | 43  | 34342  | 0.259  | ppbv # | 76     |
| 25) Ethyl Acetate              | 5.77  | 43  | 152976 | 0.867  | ppbv # | 83     |
| 26) Hexane                     | 5.77  | 57  | 182359 | 2.403  | ppbv # | 43     |
| 27) Carbon Disulfide           | 4.62  | 76  | 23560  | 0.226  | ppbv # | 60     |
| 29) Chloroform                 | 5.84  | 83  | 4910   | 0.035  | ppbv   | 89     |
| 30) Cyclohexane                | 7.24  | 84  | 2051   | 0.032  | ppbv # | 1      |
| 34) 2-Butanone                 | 5.33  | 43  | 97065  | 0.941  | ppbv   | 99     |
| 36) Benzene                    | 6.99  | 78  | 43853  | 0.290  | ppbv   | 99     |
| 38) Trichloroethene            | 7.96  | 130 | 2198   | 0.039  | ppbv # | 61     |
| 39) 1,2-Dichloropropane        | 7.28  | 63  | 439178 | 7.785  | ppbv # | 22     |
| 41) Tetrahydrofuran            | 5.77  | 42  | 77383  | 1.339  | ppbv # | 49     |
| 44) 2,2,4-Trimethylpentane     | 7.98  | 57  | 16656  | 0.065  | ppbv # | 1      |
| 52) Tetrachloroethene          | 11.36 | 164 | 57664  | 1.084  | ppbv   | 97     |
| 53) Toluene                    | 9.94  | 91  | 506205 | 3.101  | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.86 | 91  | 7731   | 0.034  | ppbv   | 98     |
| 59) m/p-Xylene                 | 13.15 | 91  | 9015   | 0.045  | ppbv # | 31     |
| 60) o-Xylene                   | 13.84 | 91  | 14896  | 0.074  | ppbv   | 75     |
| 74) 1,2,4-Trimethylbenzene     | 16.92 | 105 | 37308  | 0.153  | ppbv # | 70     |

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

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
MSVOA\_L  
**ClientSampleId :**  
SG-5-20190523-0

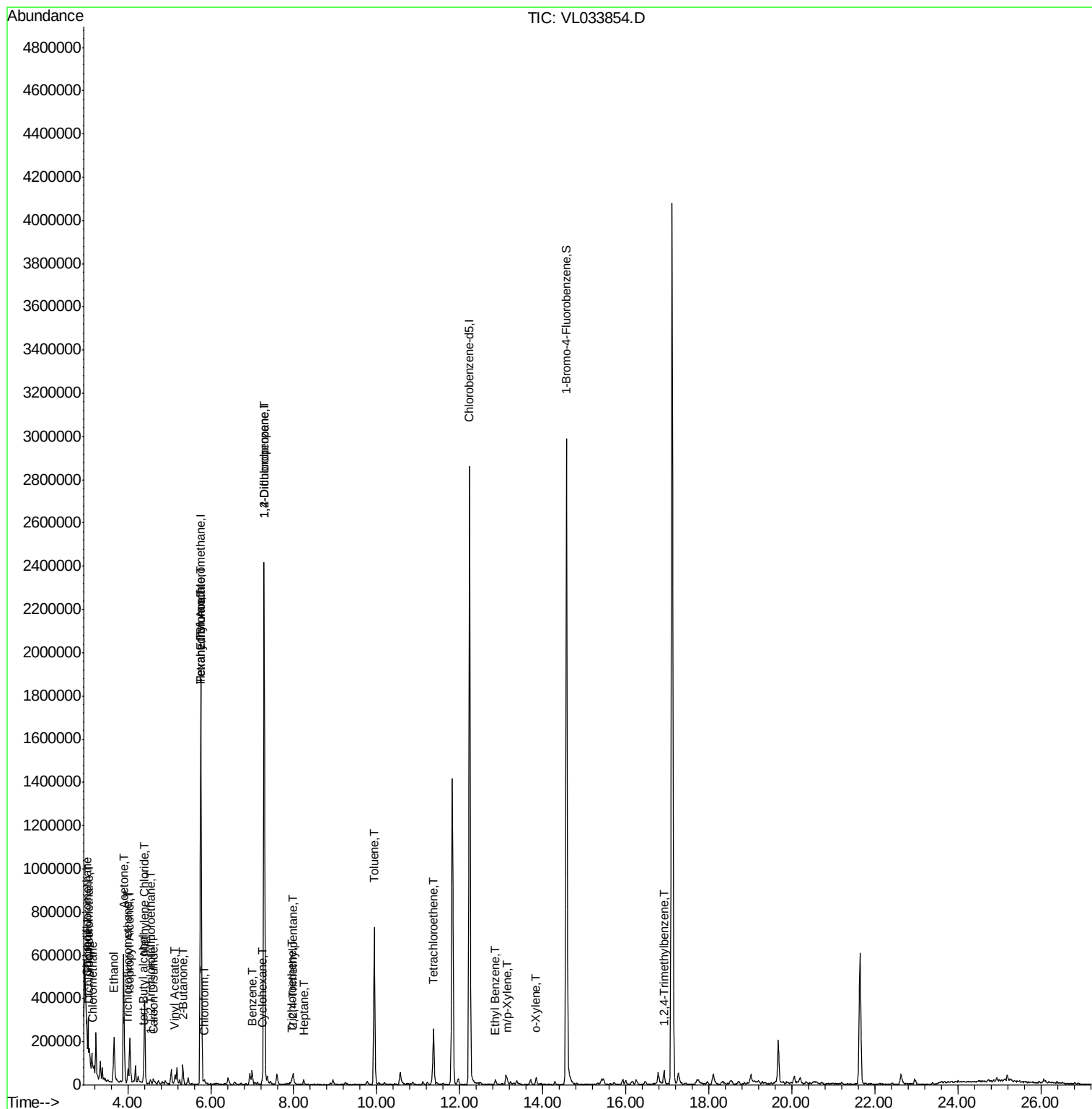
Quant Time: May 30 06:24:13 2019

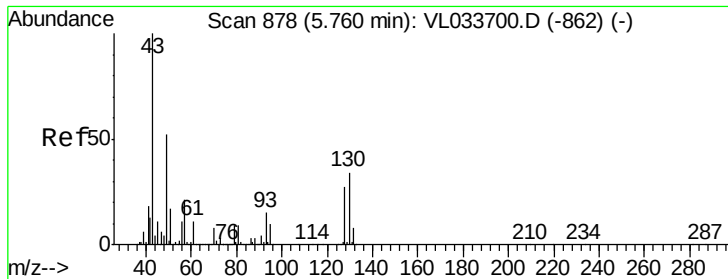
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

SG-5-20190523-0

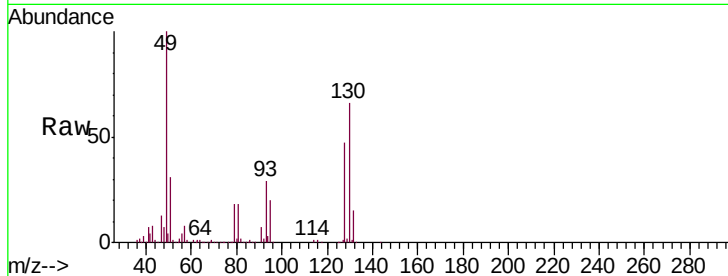
Tgt Ion: 49 Resp: 724319

Ion Ratio Lower Upper

49 100

128 48.9 25.2 75.6

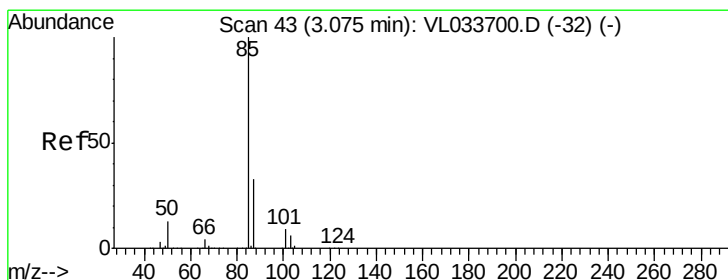
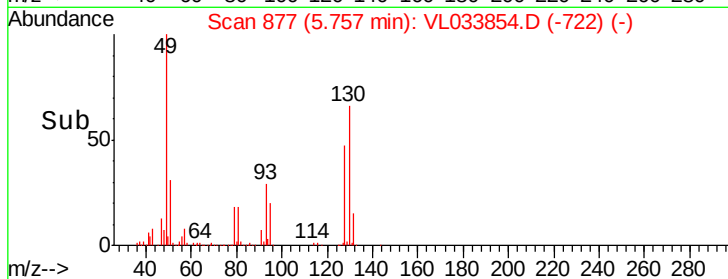
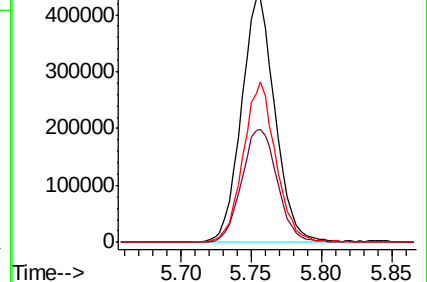
130 63.3 32.5 97.5



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: 0.250 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033854.D

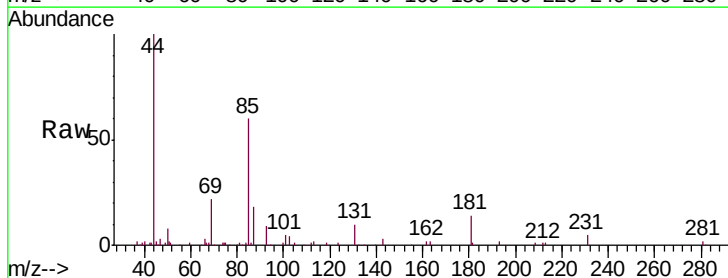
Acq: 30 May 2019 3:34

Tgt Ion: 85 Resp: 38108

Ion Ratio Lower Upper

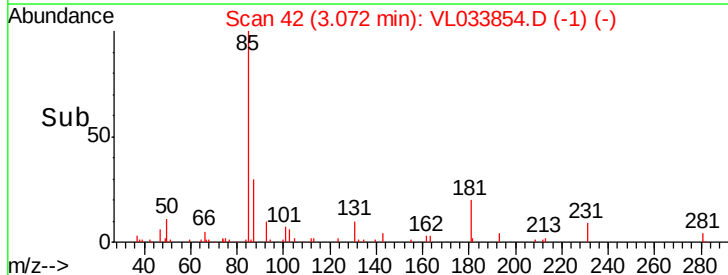
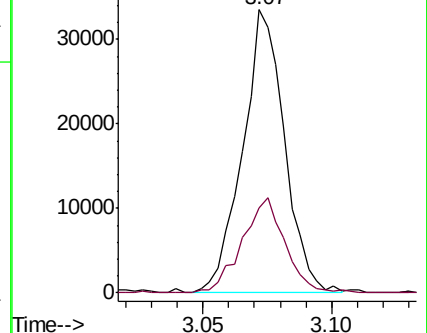
85 100

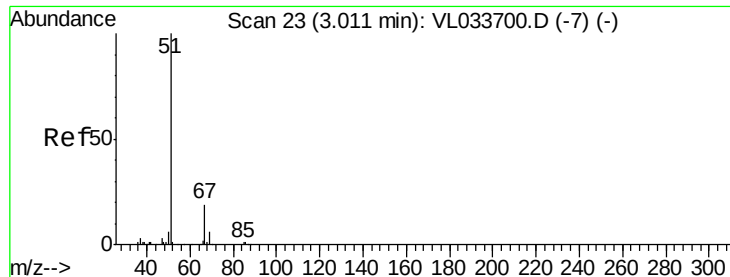
87 30.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.793 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

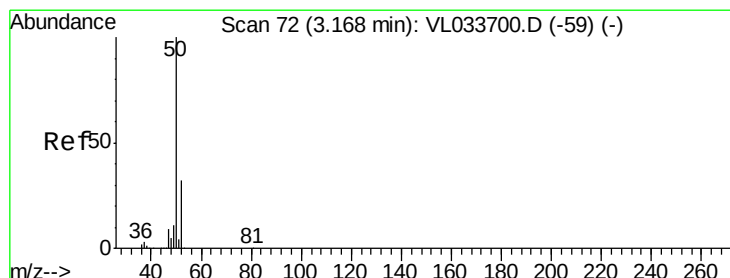
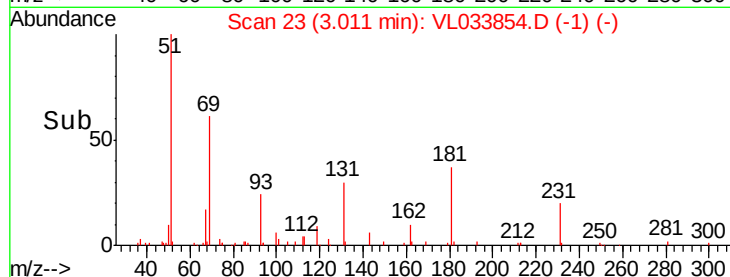
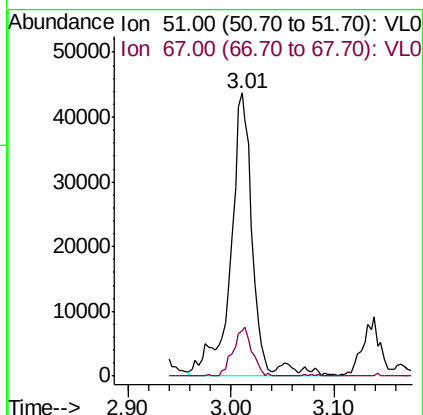
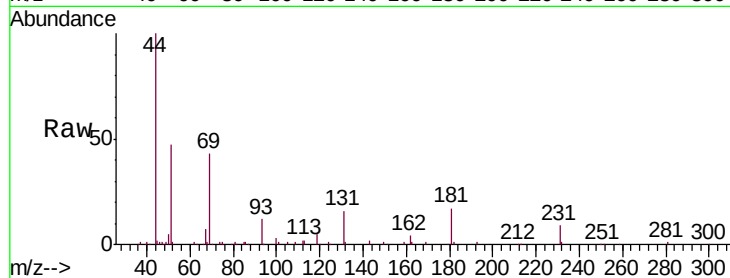
SG-5-20190523-0

Tgt Ion: 51 Resp: 65790

Ion Ratio Lower Upper

51 100

67 14.7 15.6 23.4#



#4

Chloromethane

Concen: 0.253 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033854.D

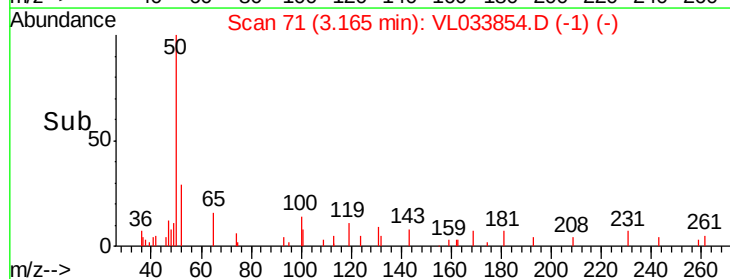
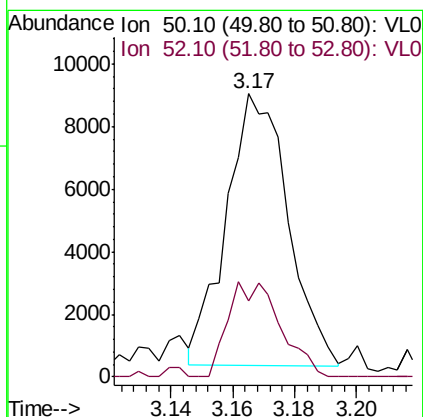
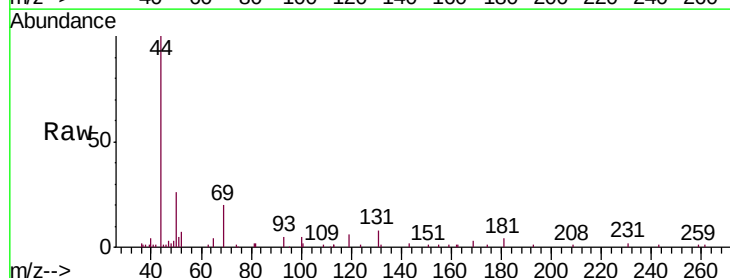
Acq: 30 May 2019 3:34

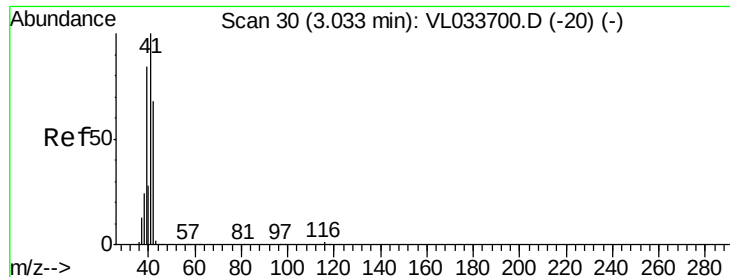
Tgt Ion: 50 Resp: 12025

Ion Ratio Lower Upper

50 100

52 28.9 25.7 38.5





#9

Propene

Concen: 0.178 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

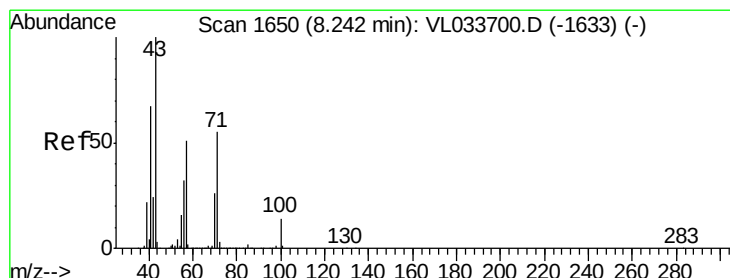
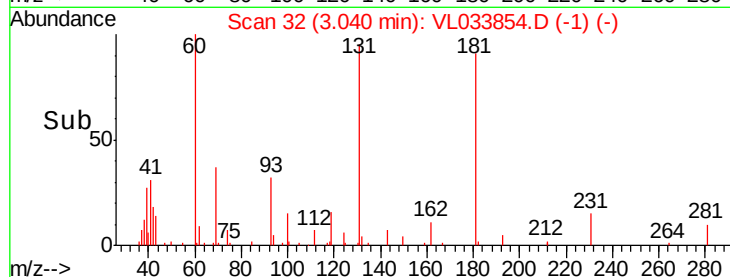
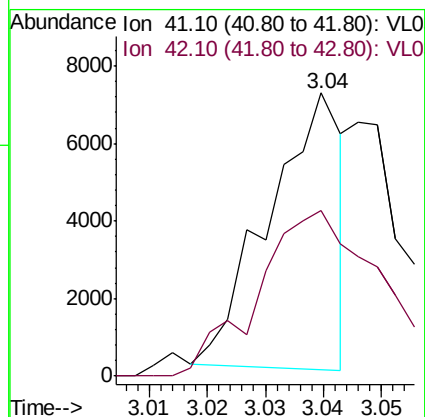
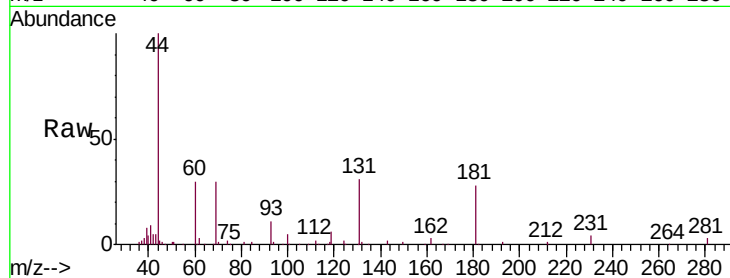
SG-5-20190523-0

Tgt Ion: 41 Resp: 6290

Ion Ratio Lower Upper

41 100

42 108.6 56.1 84.1#



#10

Heptane

Concen: 0.057 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033854.D

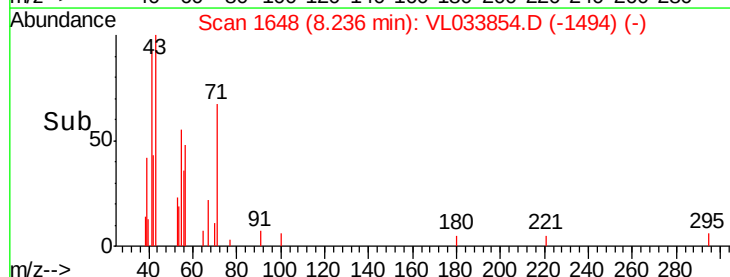
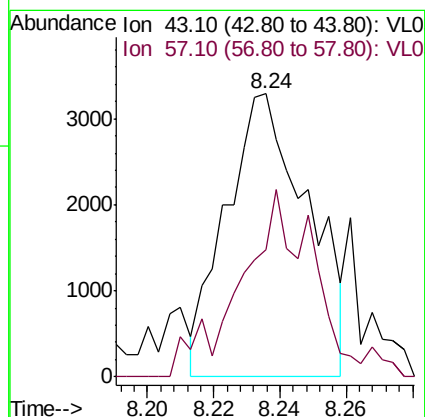
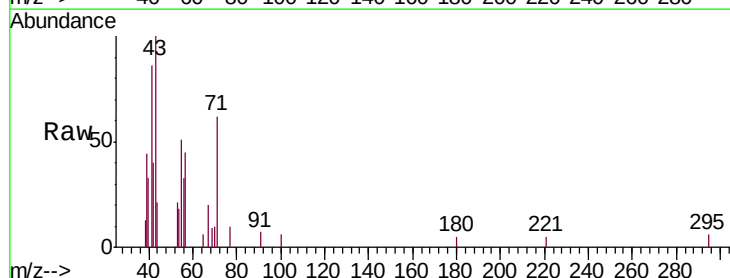
Acq: 30 May 2019 3:34

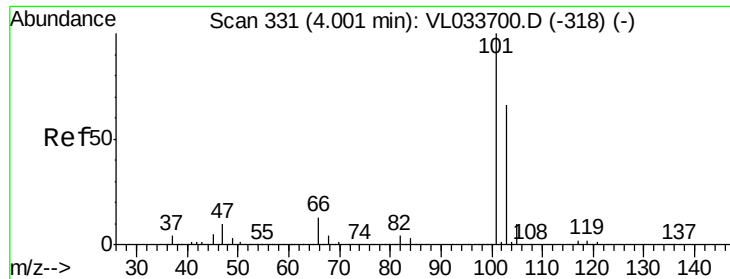
Tgt Ion: 43 Resp: 5673

Ion Ratio Lower Upper

43 100

57 60.0 41.4 62.0





#11

Trichlorofluoromethane

Concen: 0.300 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

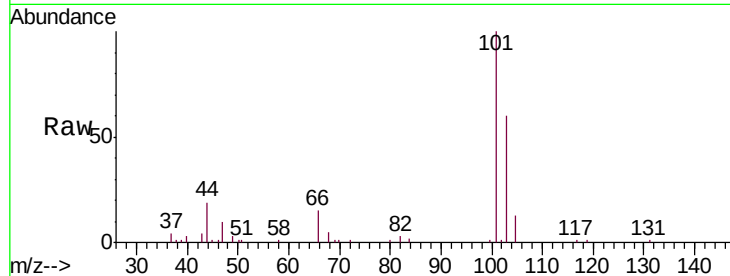
SG-5-20190523-0

Tgt Ion:101 Resp: 43672

Ion Ratio Lower Upper

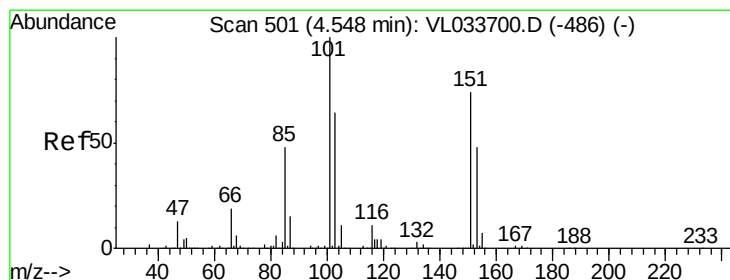
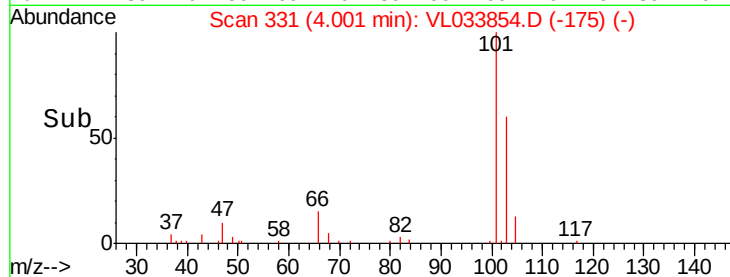
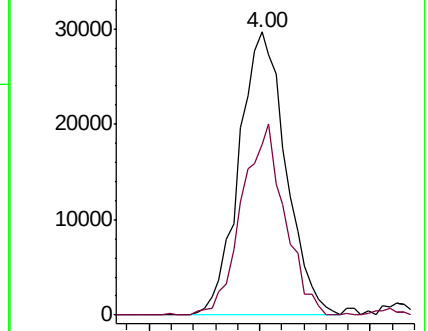
101 100

103 60.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.044 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033854.D

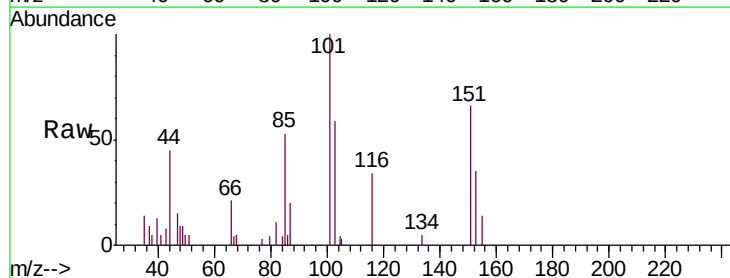
Acq: 30 May 2019 3:34

Tgt Ion:101 Resp: 4433

Ion Ratio Lower Upper

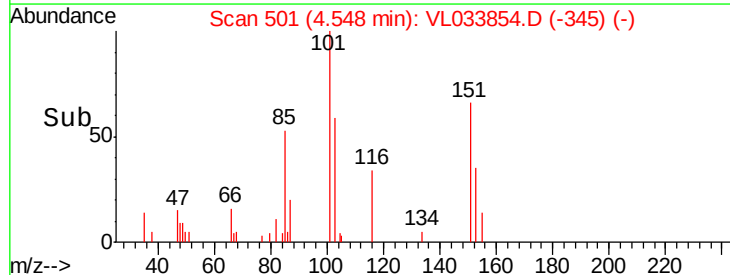
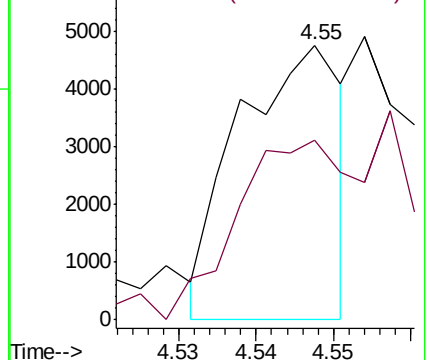
101 100

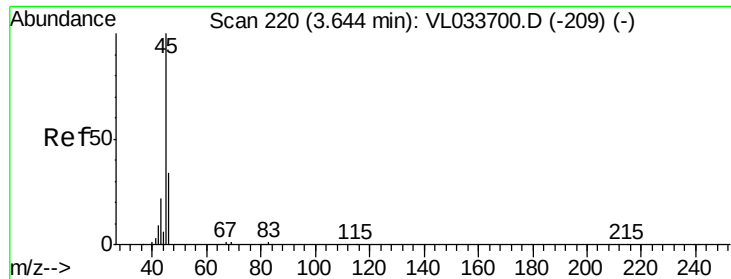
151 0.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 19.425 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

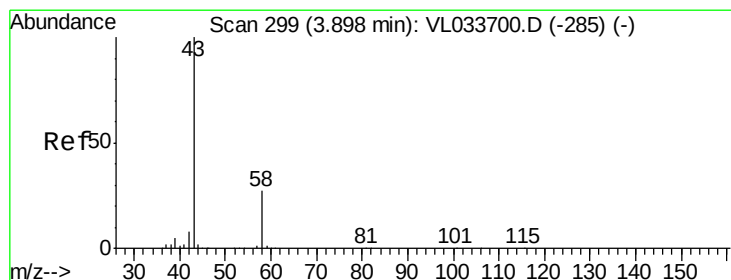
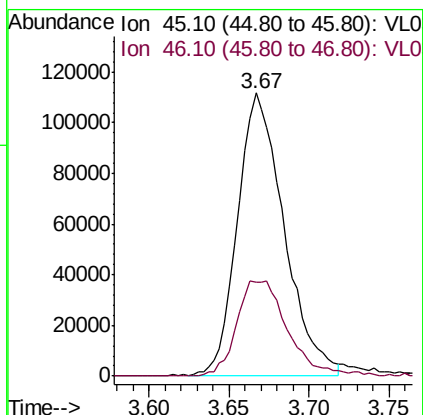
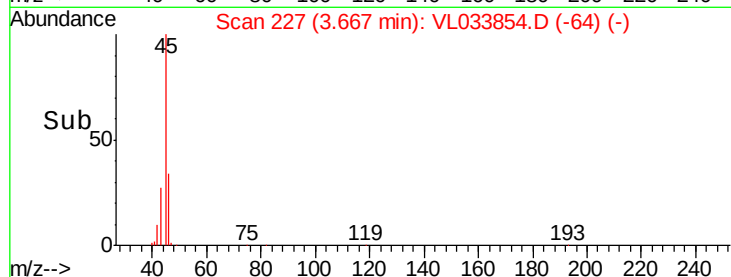
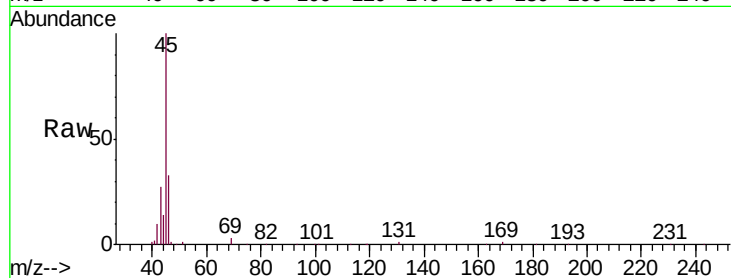
SG-5-20190523-0

Tgt Ion: 45 Resp: 221566

Ion Ratio Lower Upper

45 100

46 37.5 14.8 59.0



#15

Acetone

Concen: 5.927 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033854.D

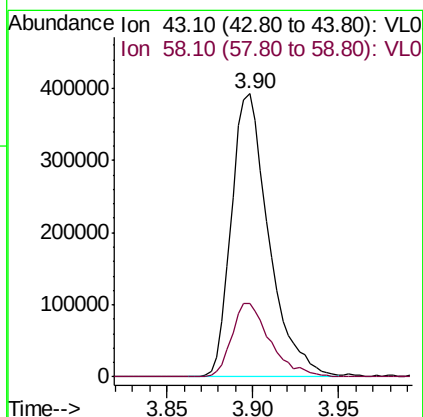
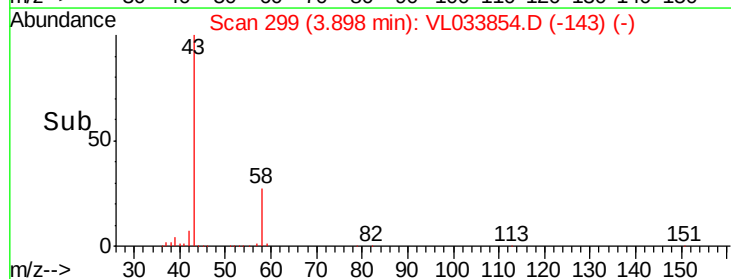
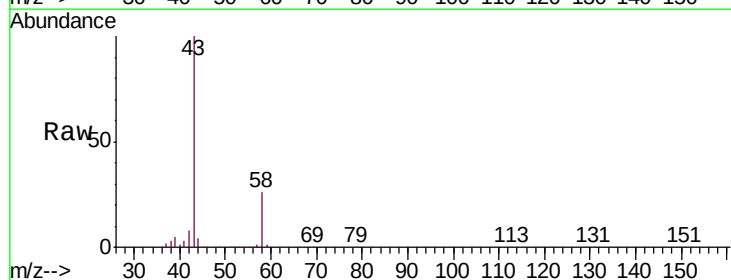
Acq: 30 May 2019 3:34

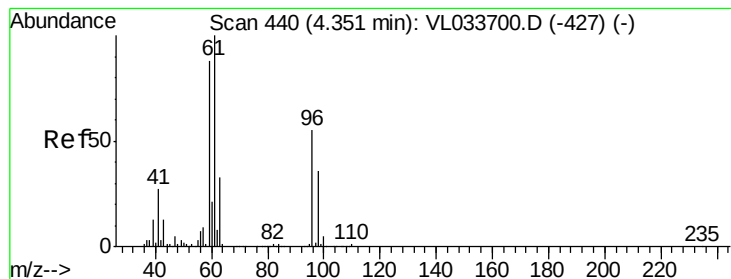
Tgt Ion: 43 Resp: 595615

Ion Ratio Lower Upper

43 100

58 26.8 21.3 31.9





#17

tert-Butyl alcohol

Concen: 0.057 ppbv

RT: 4.37 min Scan# 447

Delta R.T. 0.02 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

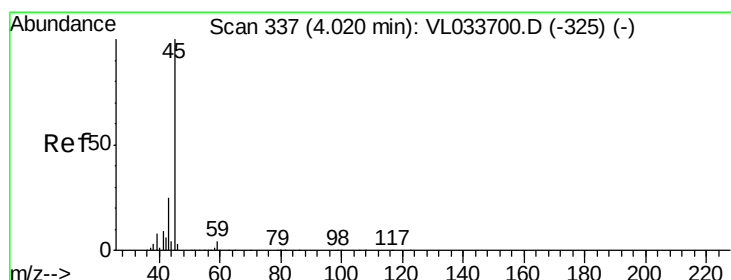
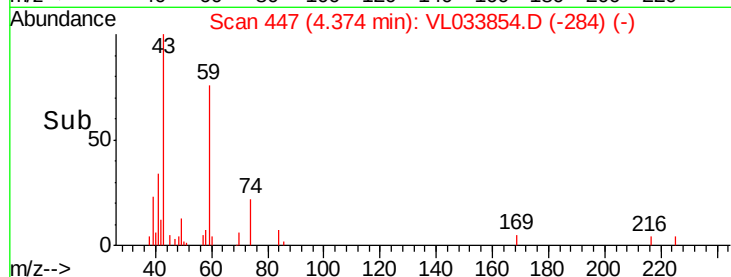
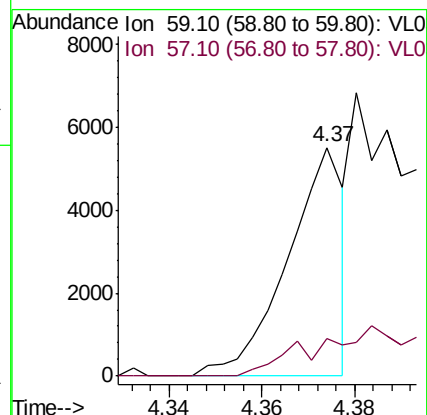
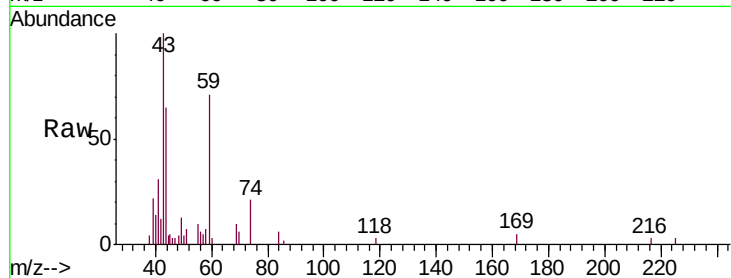
SG-5-20190523-0

Tgt Ion: 59 Resp: 4634

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 3.538 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.03 min

Lab File: VL033854.D

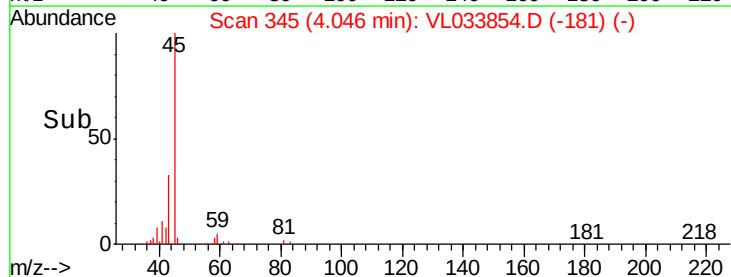
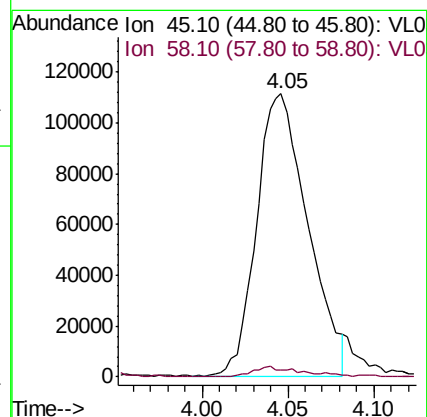
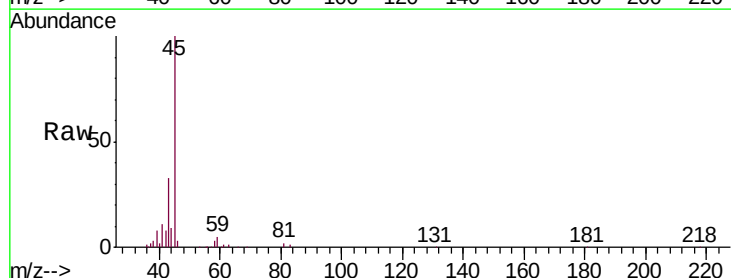
Acq: 30 May 2019 3:34

Tgt Ion: 45 Resp: 229227

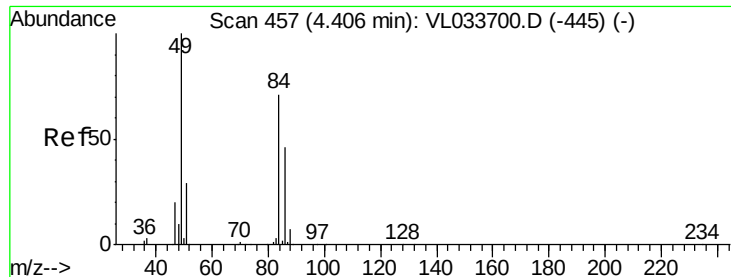
Ion Ratio Lower Upper

45 100

58 4.1 1.6 2.4#



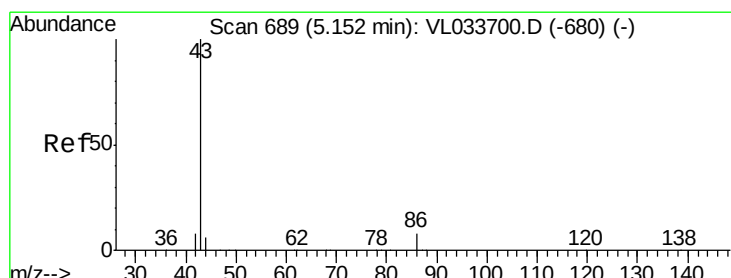
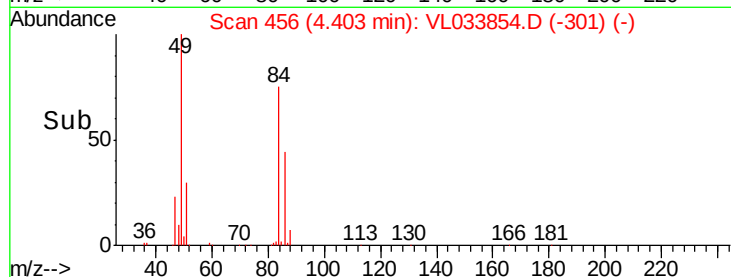
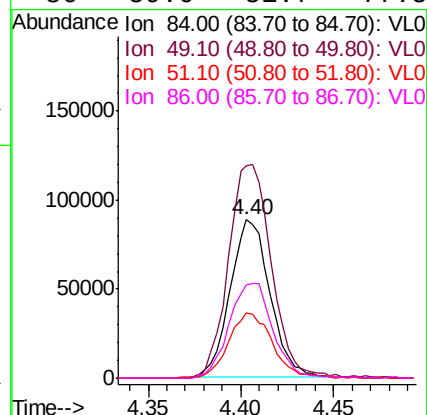
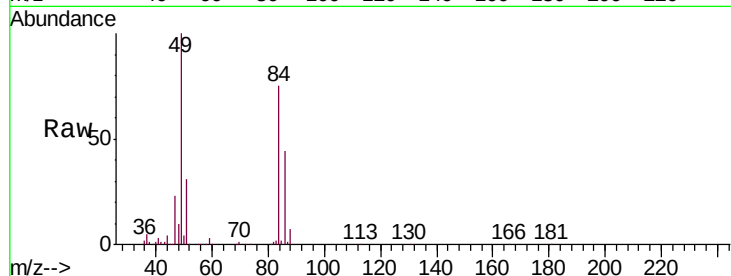




#20  
Methylene Chloride  
Concen: 3.412 ppbv  
RT: 4.40 min Scan# 456  
Delta R.T. -0.00 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

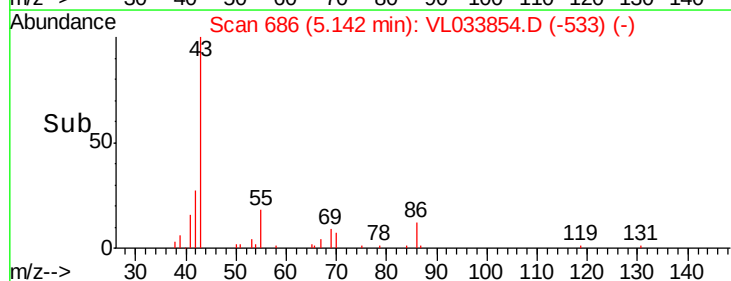
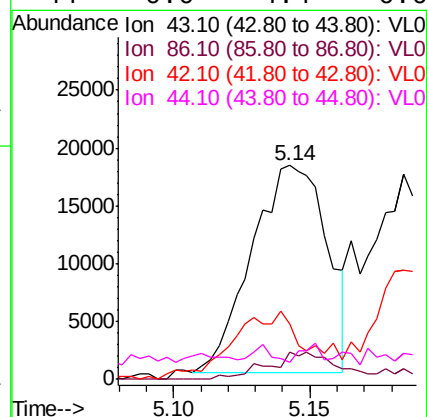
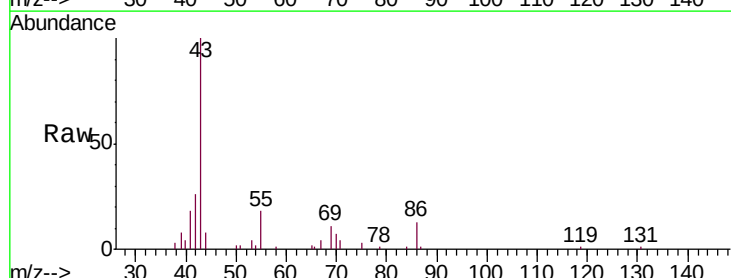
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-5-20190523-0

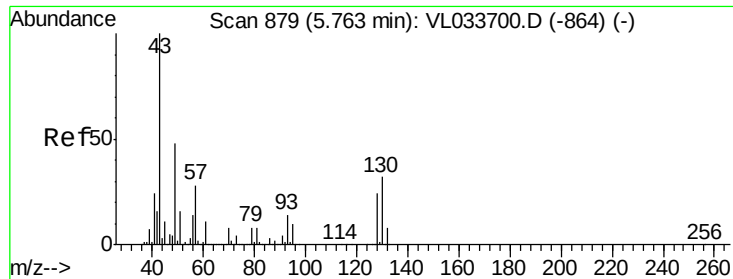
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 132017 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 133.5 | 112.8 | 169.2  |
| 51       | 40.9  | 33.4  | 50.0   |
| 86       | 59.0  | 51.7  | 77.5   |



#23  
Vinyl Acetate  
Concen: 0.259 ppbv  
RT: 5.14 min Scan# 686  
Delta R.T. -0.01 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 34342 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 13.1  | 6.0   | 9.0#  |
| 42       | 22.2  | 7.5   | 11.3# |
| 44       | 0.0   | 4.4   | 6.6#  |

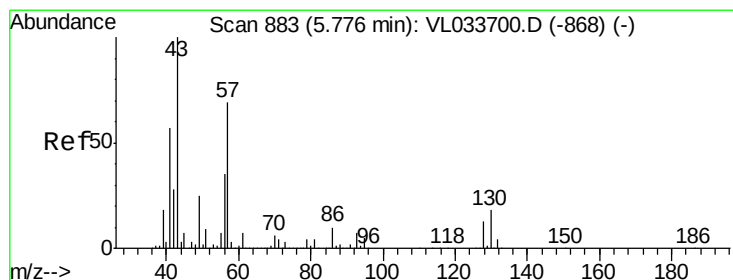
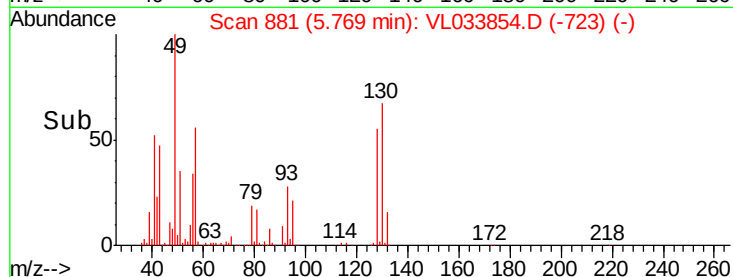
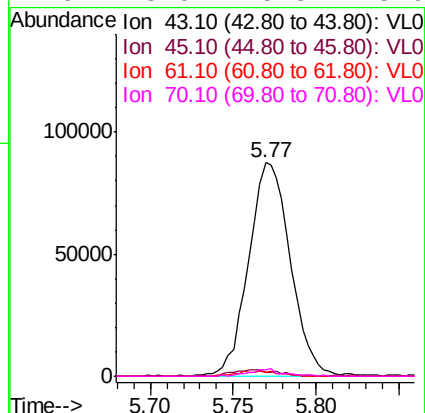
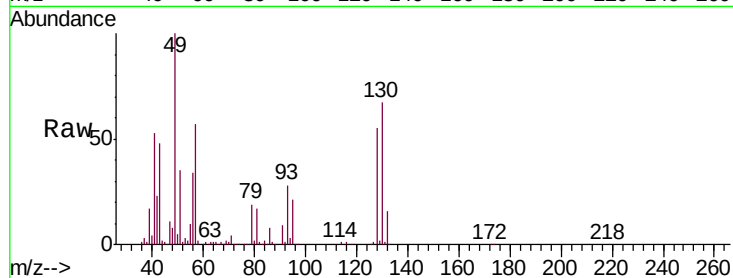




#25  
Ethyl Acetate  
Concen: 0.867 ppbv  
RT: 5.77 min Scan# 881  
Delta R.T. 0.01 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

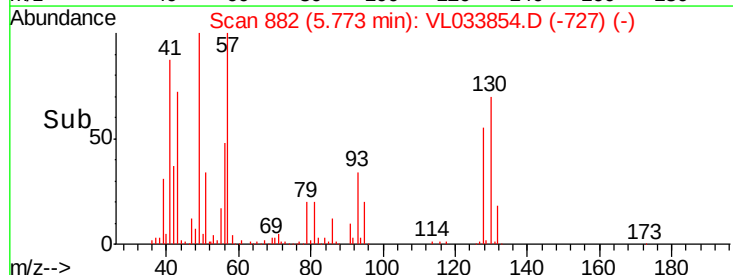
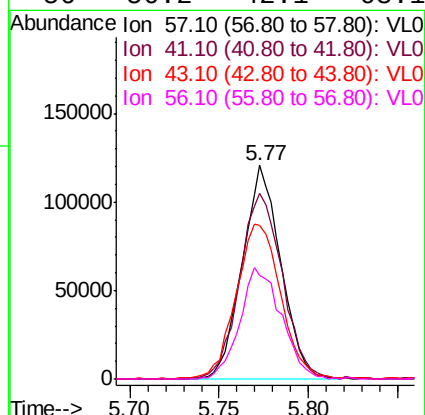
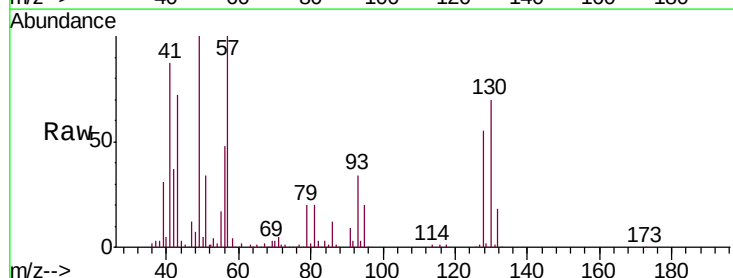
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-5-20190523-0

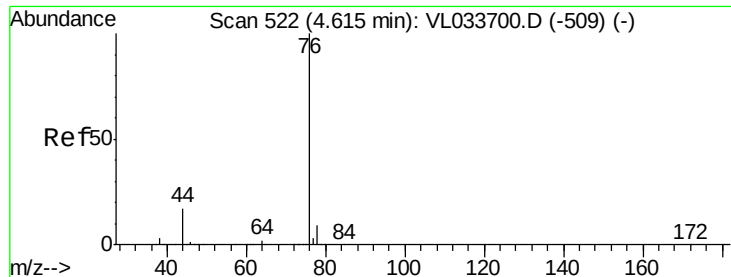
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 152976 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 3.5   | 7.9   | 11.9#  |
| 61       | 2.5   | 7.7   | 11.5#  |
| 70       | 3.0   | 5.8   | 8.6#   |



#26  
Hexane  
Concen: 2.403 ppbv  
RT: 5.77 min Scan# 882  
Delta R.T. -0.00 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 182359 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 96.3  | 69.8  | 104.6  |
| 43       | 84.7  | 181.8 | 272.6# |
| 56       | 56.2  | 42.1  | 63.1   |





#27

Carbon Disulfide

Concen: 0.226 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

SG-5-20190523-0

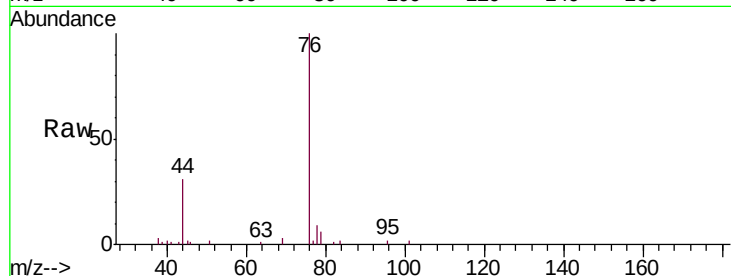
Tgt Ion: 76 Resp: 23560

Ion Ratio Lower Upper

76 100

44 42.6 13.8 20.8#

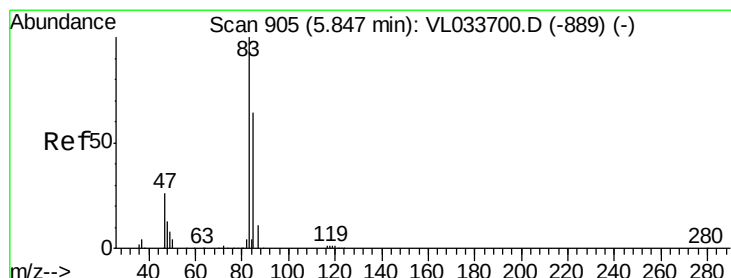
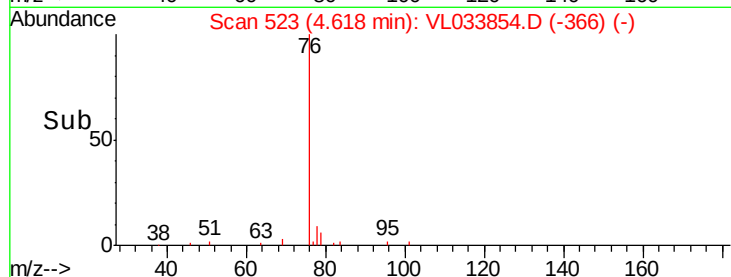
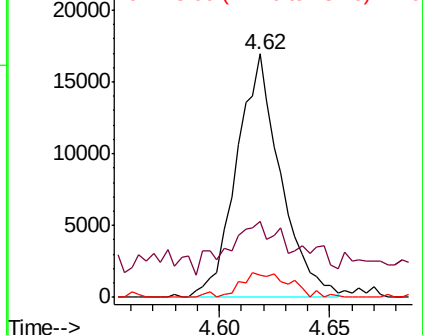
78 11.7 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.035 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL033854.D

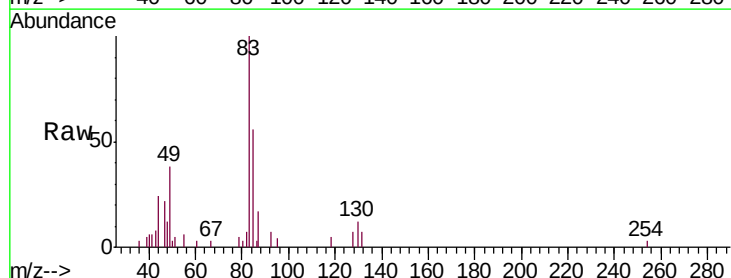
Acq: 30 May 2019 3:34

Tgt Ion: 83 Resp: 4910

Ion Ratio Lower Upper

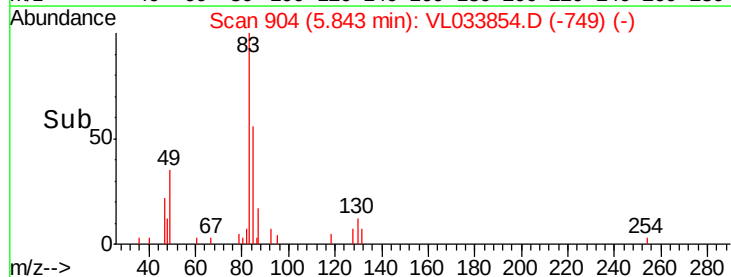
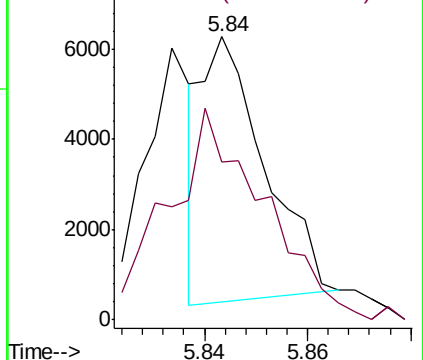
83 100

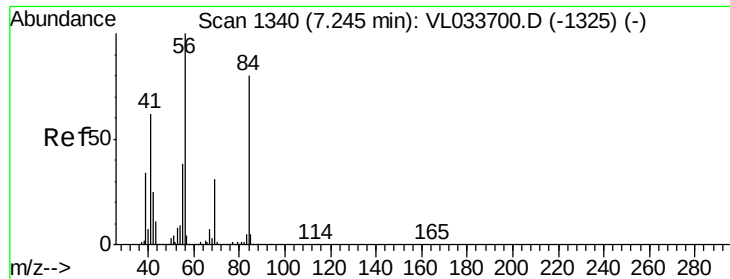
85 55.7 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

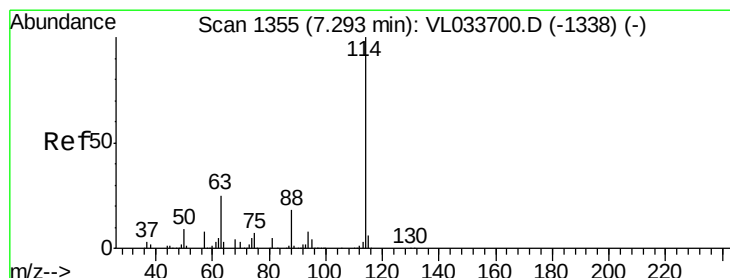
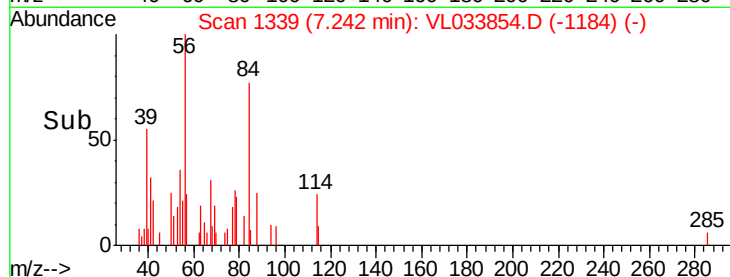
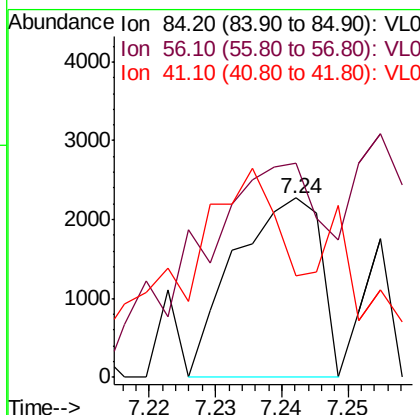
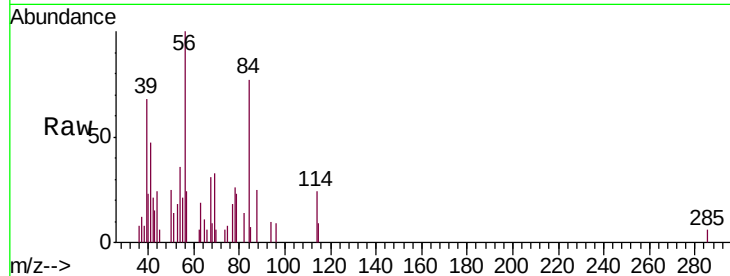




#30  
Cyclohexane  
Concen: 0.032 ppbv  
RT: 7.24 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

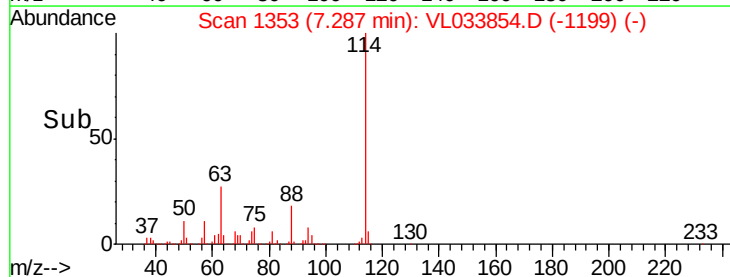
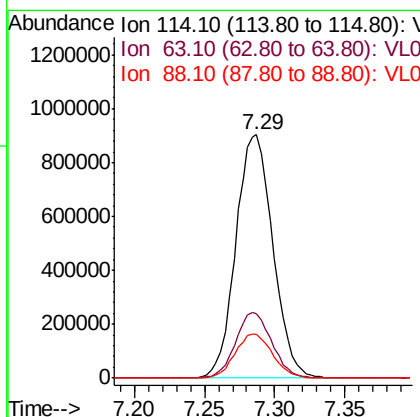
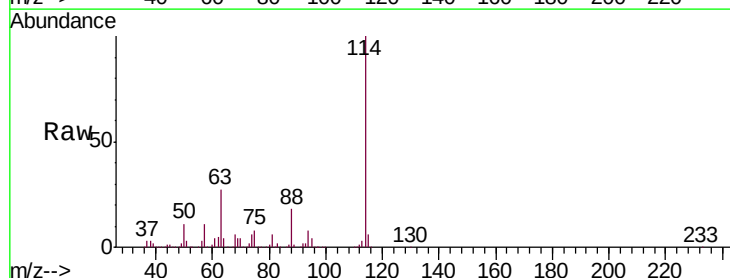
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-5-20190523-0

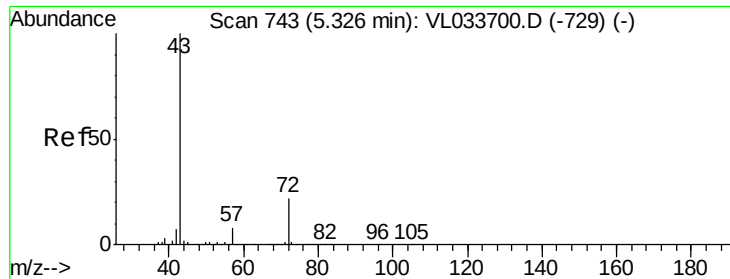
Tgt Ion: 84 Resp: 2051  
Ion Ratio Lower Upper  
84 100  
56 0.0 107.7 161.5#  
41 264.6 66.0 99.0#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.29 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

Tgt Ion: 114 Resp: 1663507  
Ion Ratio Lower Upper  
114 100  
63 26.5 20.9 31.3  
88 18.3 14.3 21.5

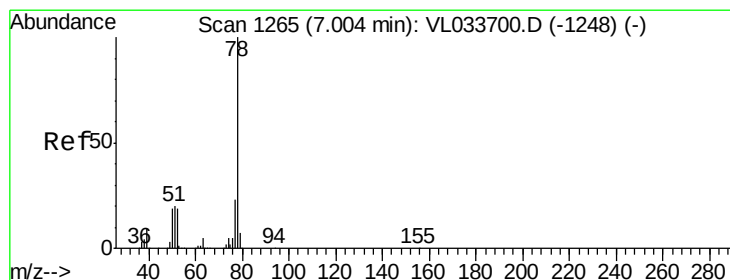
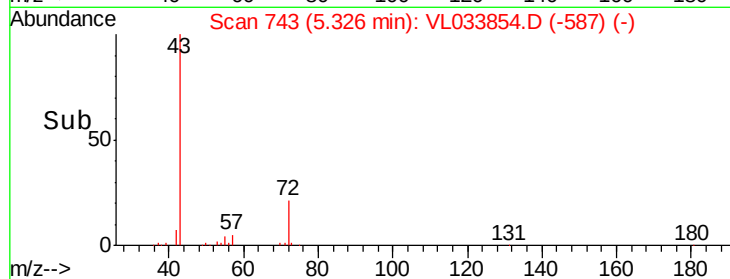
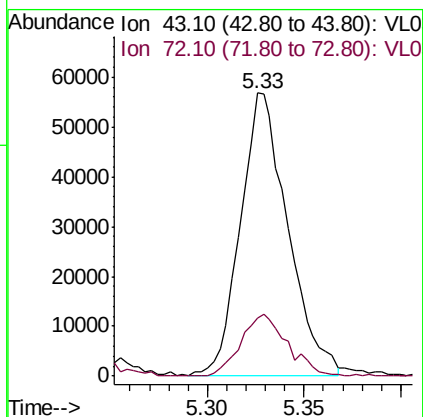
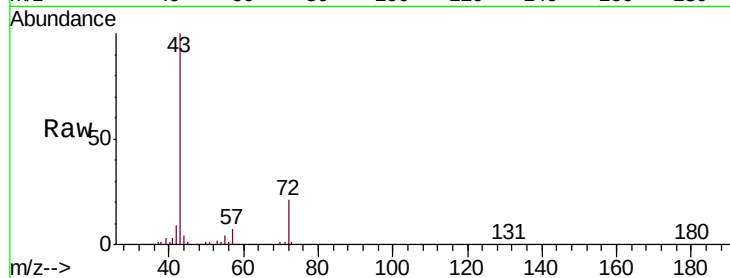




#34  
 2-Butanone  
 Concen: 0.941 ppbv  
 RT: 5.33 min Scan# 743  
 Delta R.T. 0.00 min  
 Lab File: VL033854.D  
 Acq: 30 May 2019 3:34

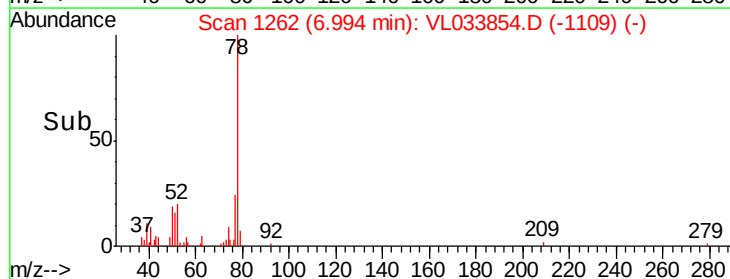
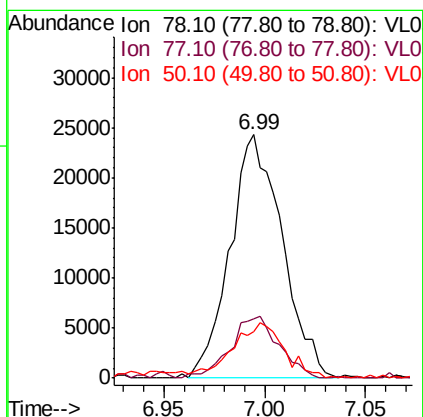
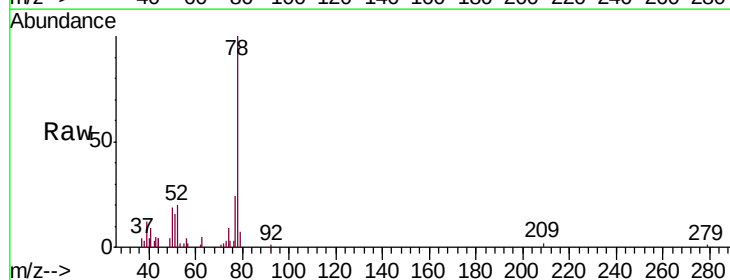
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-5-20190523-0

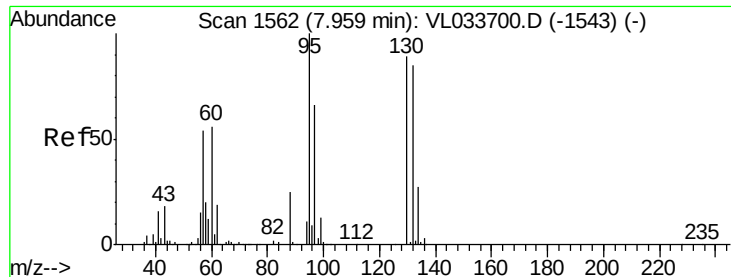
Tgt Ion: 43 Resp: 97065  
 Ion Ratio Lower Upper  
 43 100  
 72 21.5 17.8 26.6



#36  
 Benzene  
 Concen: 0.290 ppbv  
 RT: 6.99 min Scan# 1262  
 Delta R.T. -0.01 min  
 Lab File: VL033854.D  
 Acq: 30 May 2019 3:34

Tgt Ion: 78 Resp: 43853  
 Ion Ratio Lower Upper  
 78 100  
 77 23.8 18.4 27.6  
 50 19.3 15.5 23.3

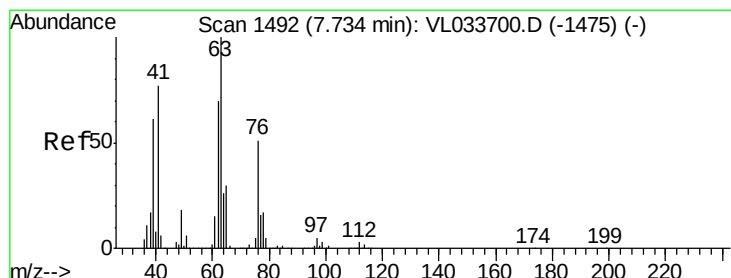
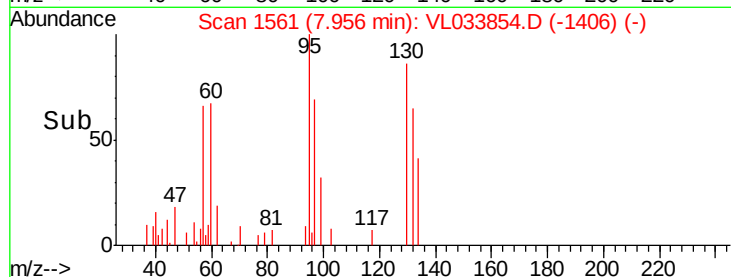
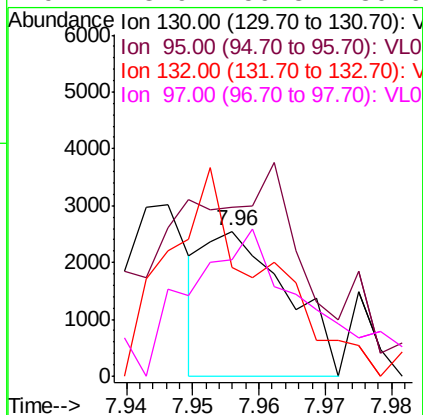
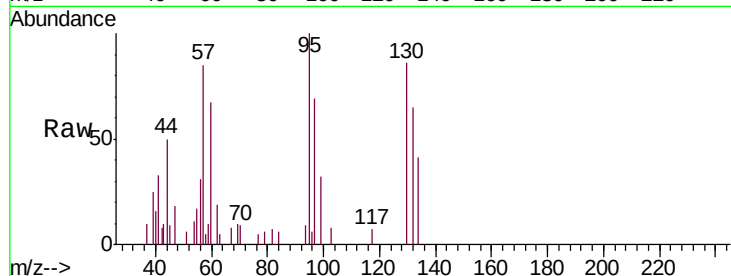




#38  
 Trichloroethene  
 Concen: 0.039 ppbv  
 RT: 7.96 min Scan# 1561  
 Delta R.T. -0.00 min  
 Lab File: VL033854.D  
 Acq: 30 May 2019 3:34

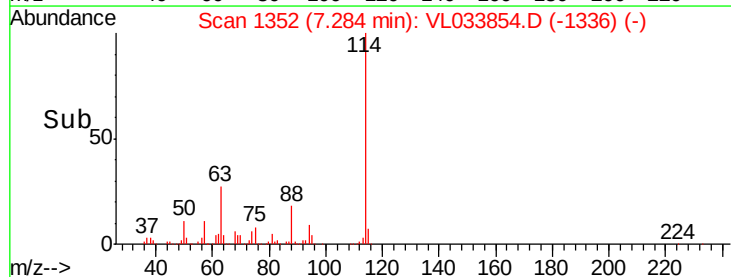
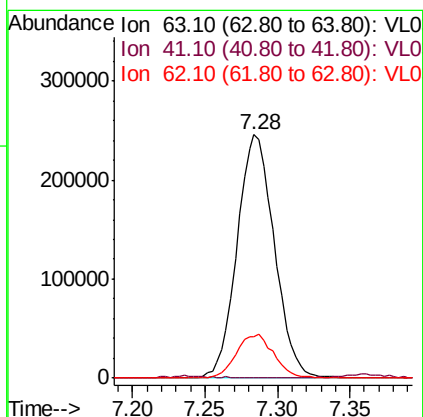
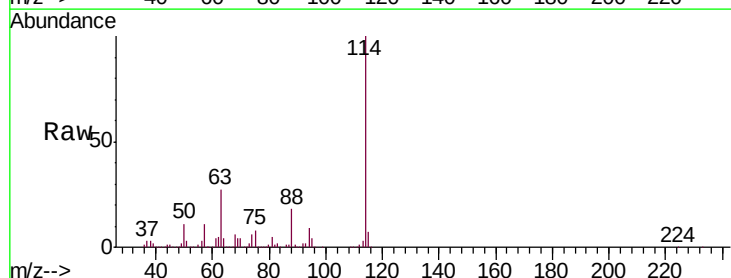
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-5-20190523-0

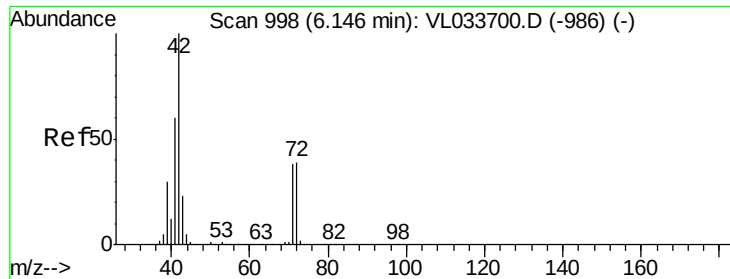
Tgt Ion: 130 Resp: 2198  
 Ion Ratio Lower Upper  
 130 100  
 95 77.3 90.2 135.4#  
 132 50.0 76.4 114.6#  
 97 43.9 59.8 89.6#



#39  
 1,2-Dichloropropane  
 Concen: 7.785 ppbv  
 RT: 7.28 min Scan# 1352  
 Delta R.T. -0.45 min  
 Lab File: VL033854.D  
 Acq: 30 May 2019 3:34

Tgt Ion: 63 Resp: 439178  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 61.5 92.3#  
 62 16.8 56.2 84.4#





#41

Tetrahydrofuran

Concen: 1.339 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.37 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

SG-5-20190523-0

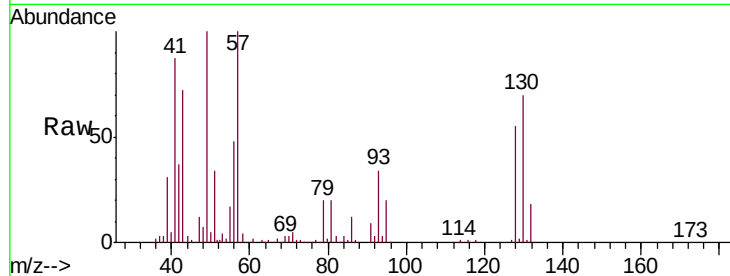
Tgt Ion: 42 Resp: 77383

Ion Ratio Lower Upper

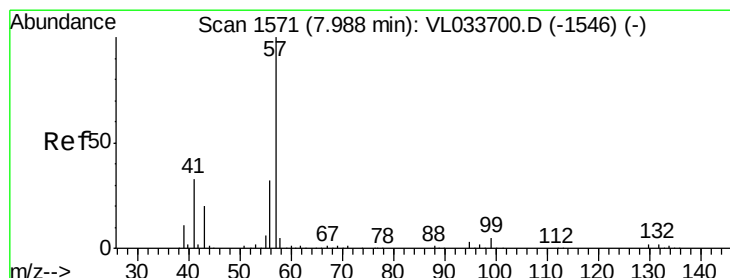
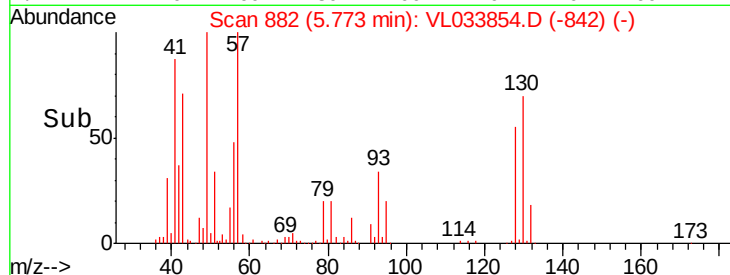
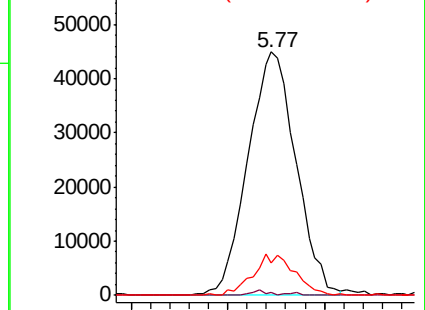
42 100

72 1.1 32.0 48.0#

71 14.9 30.4 45.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0  
Ion 72.10 (71.80 to 72.80): VL0  
Ion 71.10 (70.80 to 71.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.065 ppbv

RT: 7.98 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

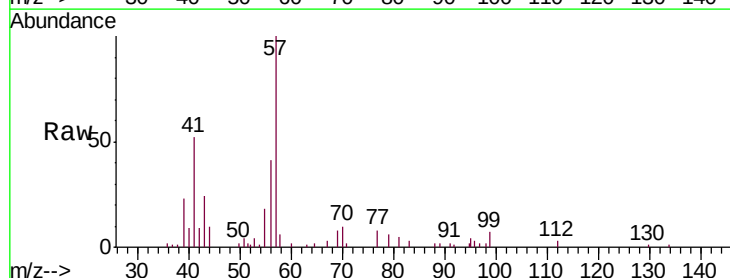
Tgt Ion: 57 Resp: 16656

Ion Ratio Lower Upper

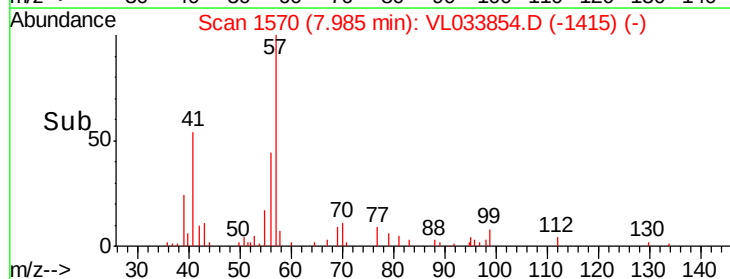
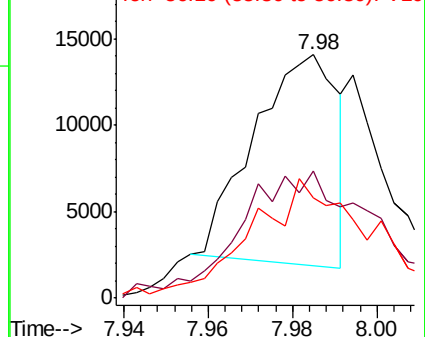
57 100

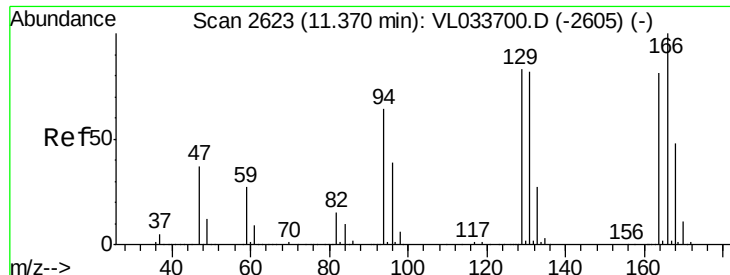
41 113.8 25.4 38.0#

56 91.3 24.7 37.1#



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





#52

Tetrachloroethene

Concen: 1.084 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

SG-5-20190523-0

Tgt Ion:164 Resp: 57664

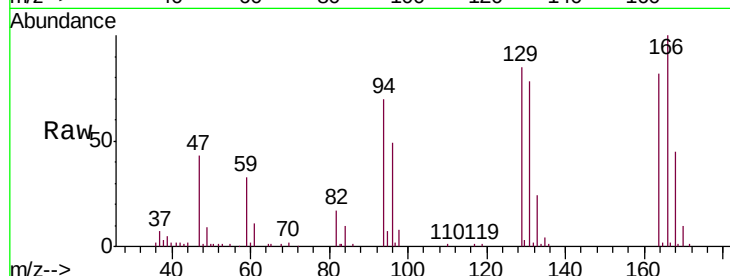
Ion Ratio Lower Upper

164 100

166 124.6 98.9 148.3

129 108.0 81.8 122.6

131 98.3 81.1 121.7



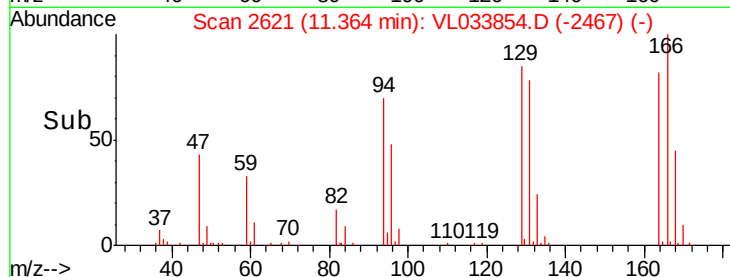
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



Abundance

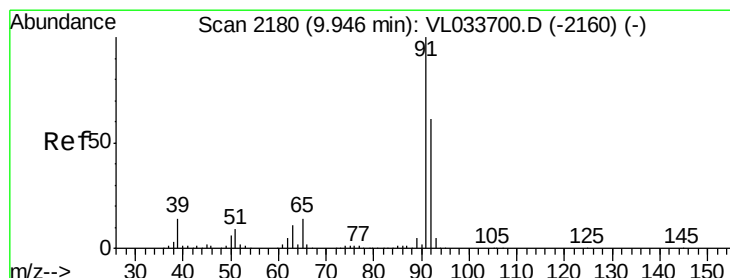
Ion 163.90 (163.60 to 164.60): V

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

Time-->



#53

Toluene

Concen: 3.101 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033854.D

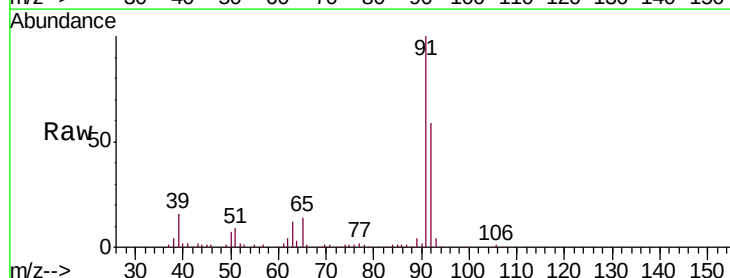
Acq: 30 May 2019 3:34

Tgt Ion: 91 Resp: 506205

Ion Ratio Lower Upper

91 100

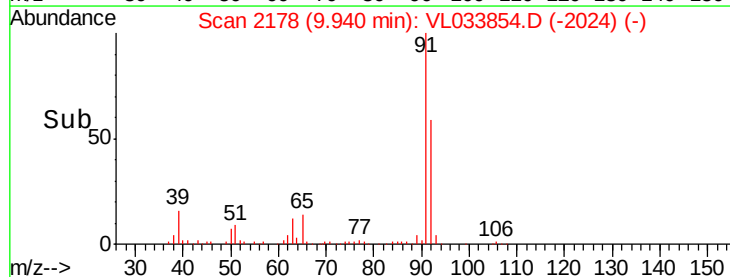
92 58.9 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->



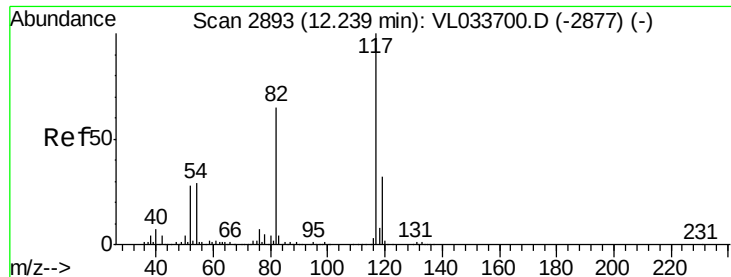
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->

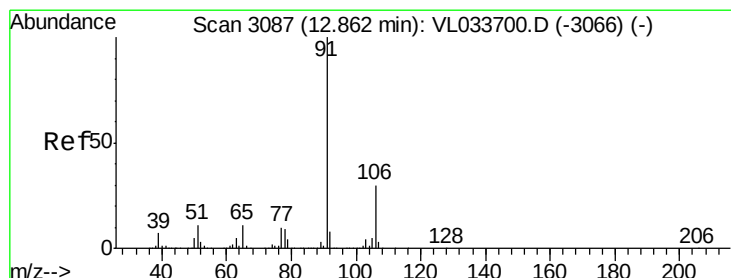
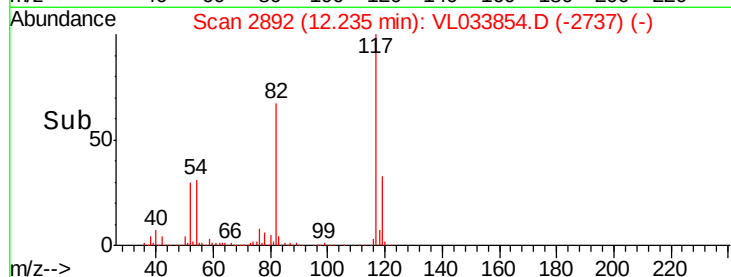
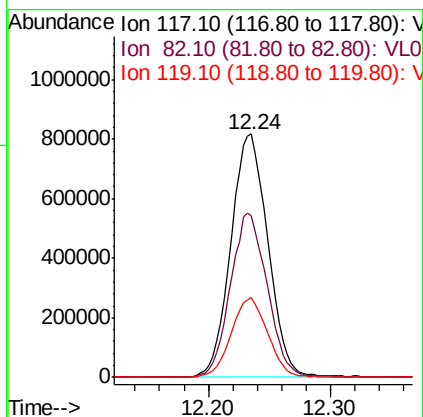
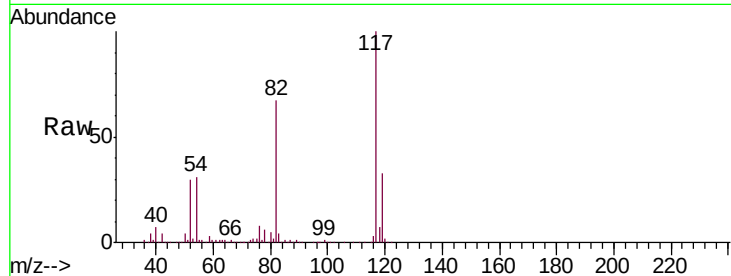




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.24 min Scan# 2892  
Delta R.T. -0.00 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

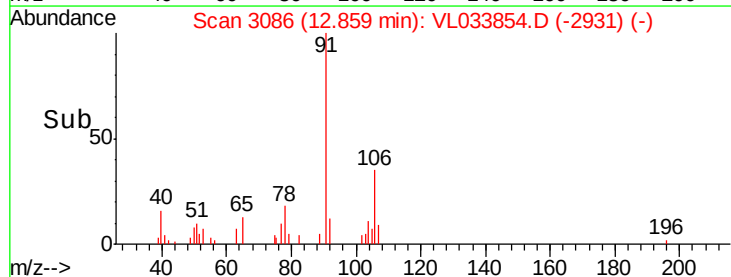
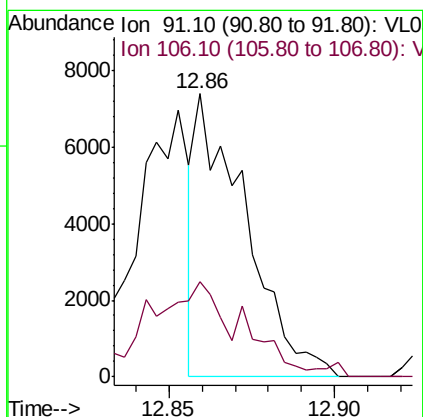
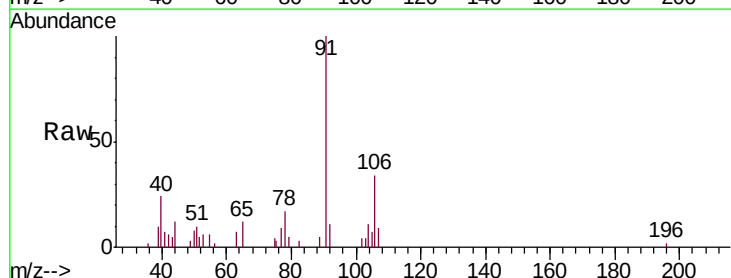
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-5-20190523-0

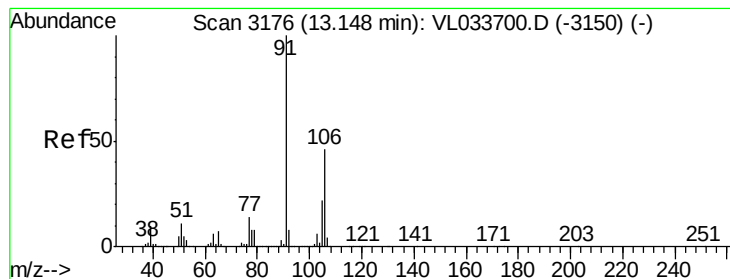
Tgt Ion: 117 Resp: 1721790  
Ion Ratio Lower Upper  
117 100  
82 67.7 49.4 74.0  
119 32.3 24.9 37.3



#58  
Ethyl Benzene  
Concen: 0.034 ppbv  
RT: 12.86 min Scan# 3086  
Delta R.T. -0.00 min  
Lab File: VL033854.D  
Acq: 30 May 2019 3:34

Tgt Ion: 91 Resp: 7731  
Ion Ratio Lower Upper  
91 100  
106 28.7 23.9 35.9





#59

m/p-Xylene

Concen: 0.045 ppbv

RT: 13.15 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL033854.D

Acq: 30 May 2019 3:34

Instrument :

MSVOA\_L

ClientSampleId :

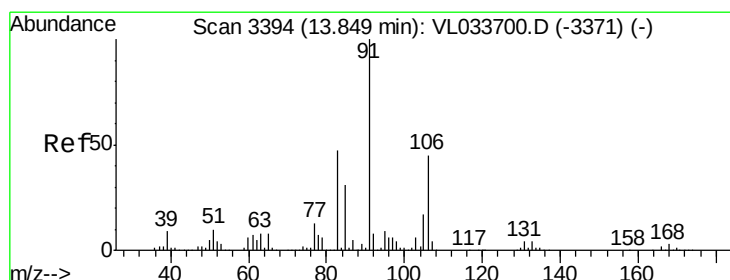
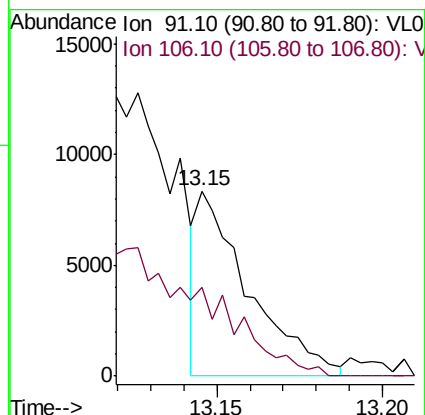
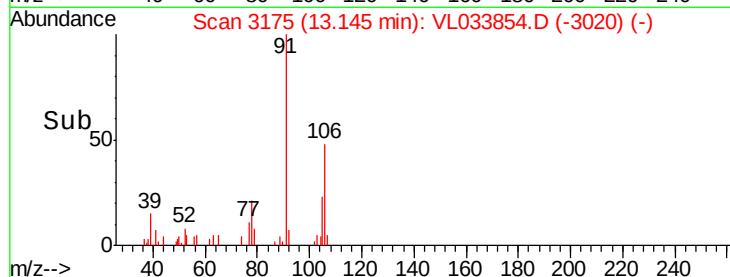
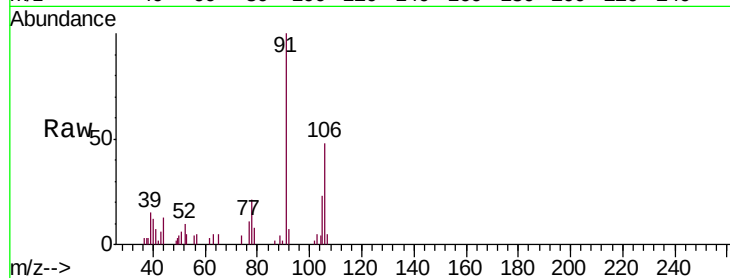
SG-5-20190523-0

Tgt Ion: 91 Resp: 9015

Ion Ratio Lower Upper

91 100

106 0.0 35.8 53.6#



#60

o-Xylene

Concen: 0.074 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL033854.D

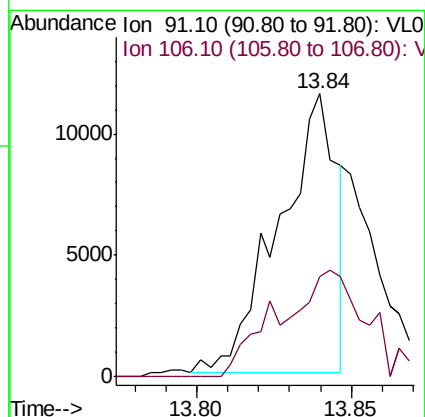
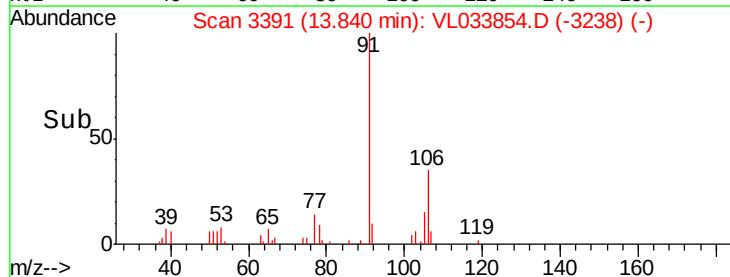
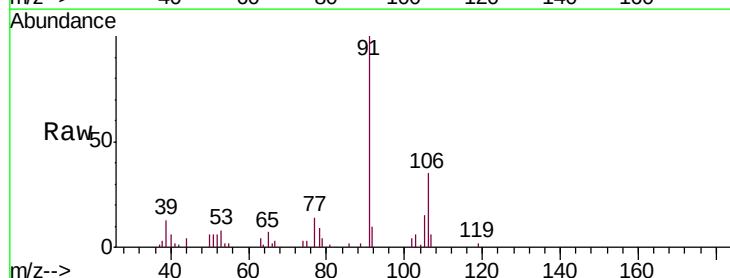
Acq: 30 May 2019 3:34

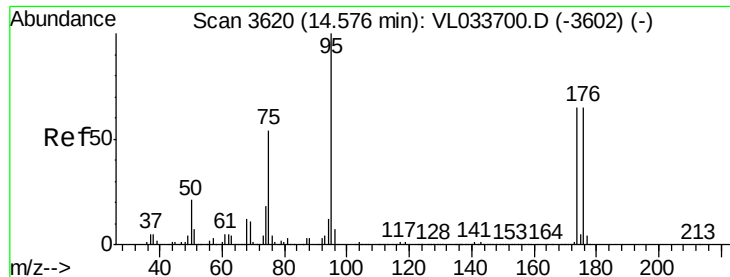
Tgt Ion: 91 Resp: 14896

Ion Ratio Lower Upper

91 100

106 59.2 21.6 64.8

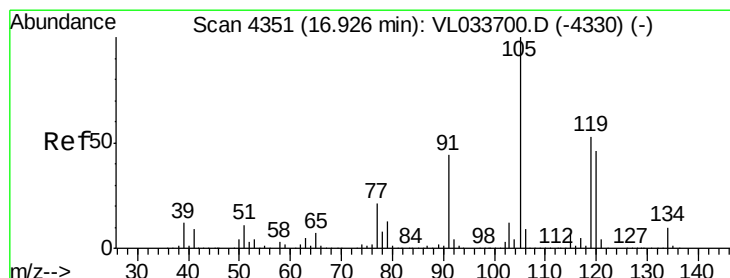
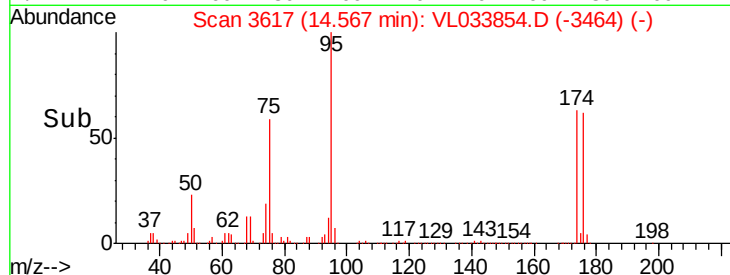
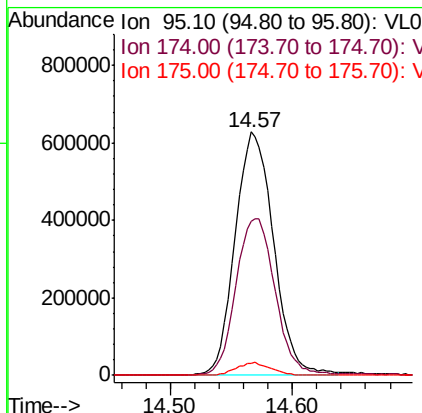
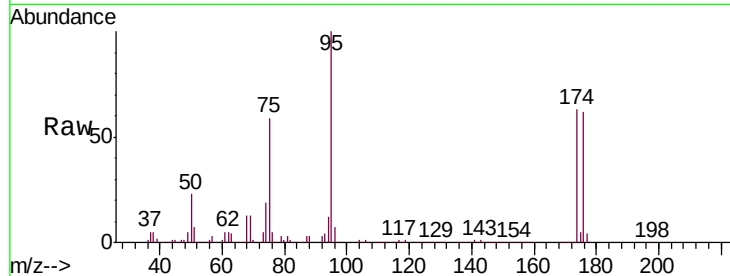




#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.842 ppbv  
 RT: 14.57 min Scan# 3617  
 Delta R.T. -0.01 min  
 Lab File: VL033854.D  
 Acq: 30 May 2019 3:34

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-5-20190523-0

Tgt Ion: 95 Resp: 1373733  
 Ion Ratio Lower Upper  
 95 100  
 174 66.4 53.9 80.9  
 175 4.8 3.8 5.8



#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.153 ppbv  
 RT: 16.92 min Scan# 4349  
 Delta R.T. -0.01 min  
 Lab File: VL033854.D  
 Acq: 30 May 2019 3:34

Tgt Ion: 105 Resp: 37308  
 Ion Ratio Lower Upper  
 105 100  
 120 32.2 36.8 55.2#  
 91 11.7 35.4 53.0#  
 77 16.9 16.8 25.2

