

Data File : VL033292.D  
Acq On : 12 Mar 2019 21:00  
Operator : SY/AP  
Sample : K1805-06  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
ST-IA-2

Quant Time: Mar 13 07:55:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL031219AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Mar 13 07:17:55 2019  
QLast Update : Wed Mar 13 07:17:55 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 774492   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1740503  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1720189  | 10.00 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1370009  | 10.31    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

#### Target Compounds

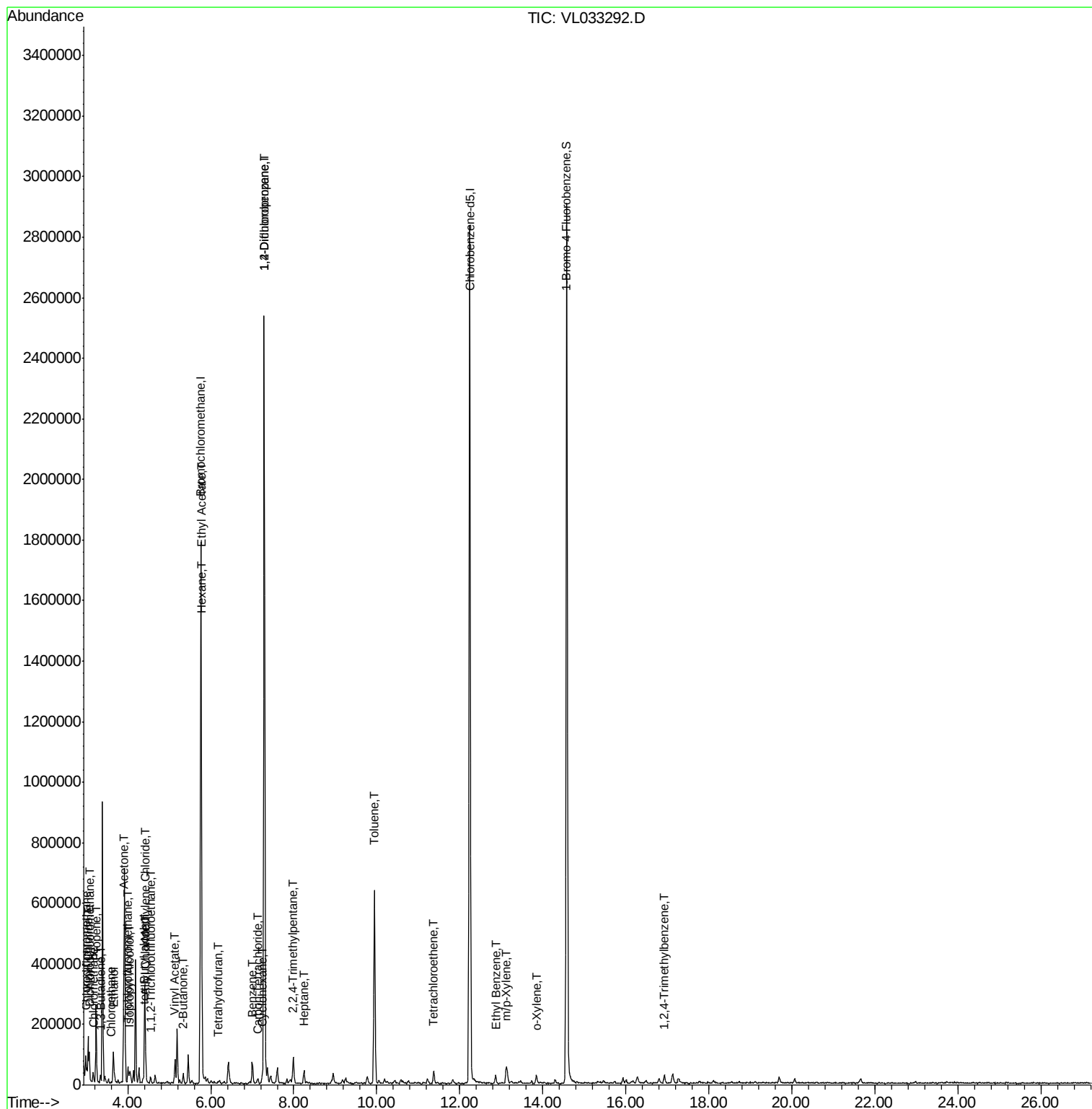
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.08  | 85  | 65622  | 0.420 | ppbv   | 94     |
| 3) Chlorodifluoromethane       | 2.99  | 51  | 76104  | 0.741 | ppbv # | 76     |
| 4) Chloromethane               | 3.17  | 50  | 23962  | 0.436 | ppbv   | 90     |
| 5) Vinyl Chloride              | 3.05  | 62  | 1243   | 0.023 | ppbv # | 50     |
| 7) Chloroethane                | 3.61  | 64  | 2135   | 0.110 | ppbv   | 95     |
| 9) Propene                     | 3.24  | 41  | 65910  | 1.407 | ppbv   | 95     |
| 10) Heptane                    | 8.24  | 43  | 9683   | 0.092 | ppbv # | 58     |
| 11) Trichlorofluoromethane     | 4.00  | 101 | 33365  | 0.216 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55  | 101 | 5152   | 0.058 | ppbv # | 61     |
| 13) Ethanol                    | 3.65  | 45  | 113131 | 7.918 | ppbv   | 97     |
| 15) Acetone                    | 3.90  | 43  | 327749 | 2.759 | ppbv   | 96     |
| 16) 1,3-Butadiene              | 3.34  | 39  | 7878   | 0.184 | ppbv # | 2      |
| 17) tert-Butyl alcohol         | 4.38  | 59  | 1000   | 0.063 | ppbv # | 74     |
| 19) Isopropyl Alcohol          | 4.04  | 45  | 40163  | 0.559 | ppbv # | 1      |
| 20) Methylene Chloride         | 4.41  | 84  | 108637 | 2.750 | ppbv   | 94     |
| 21) Allyl Chloride             | 4.44  | 41  | 1550   | 0.026 | ppbv # | 19     |
| 23) Vinyl Acetate              | 5.14  | 43  | 26571  | 0.178 | ppbv # | 1      |
| 25) Ethyl Acetate              | 5.78  | 43  | 116872 | 0.638 | ppbv # | 79     |
| 26) Hexane                     | 5.78  | 57  | 157646 | 1.835 | ppbv # | 40     |
| 30) Cyclohexane                | 7.24  | 84  | 3513   | 0.053 | ppbv # | 1      |
| 34) 2-Butanone                 | 5.34  | 43  | 35243  | 0.306 | ppbv   | 94     |
| 35) Carbon Tetrachloride       | 7.13  | 117 | 4594   | 0.036 | ppbv # | 79     |
| 36) Benzene                    | 7.00  | 78  | 26904  | 0.168 | ppbv   | 99     |
| 39) 1,2-Dichloropropane        | 7.29  | 63  | 473571 | 7.840 | ppbv # | 25     |
| 41) Tetrahydrofuran            | 6.17  | 42  | 1370   | 0.021 | ppbv # | 83     |
| 44) 2,2,4-Trimethylpentane     | 7.99  | 57  | 61692  | 0.226 | ppbv # | 80     |
| 52) Tetrachloroethene          | 11.36 | 164 | 2408   | 0.041 | ppbv # | 71     |
| 53) Toluene                    | 9.94  | 91  | 472977 | 2.556 | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.86 | 91  | 11947  | 0.051 | ppbv # | 80     |
| 59) m/p-Xylene                 | 13.12 | 91  | 30111  | 0.152 | ppbv # | 32     |
| 60) o-Xylene                   | 13.84 | 91  | 12172  | 0.064 | ppbv # | 33     |
| 74) 1,2,4-Trimethylbenzene     | 16.92 | 105 | 18248  | 0.093 | ppbv # | 72     |

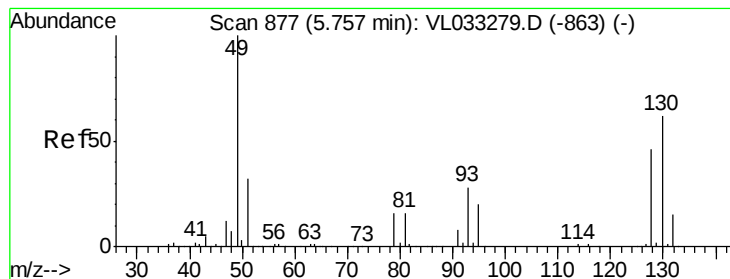
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 13 07:55:57 2019  
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

ST-IA-2

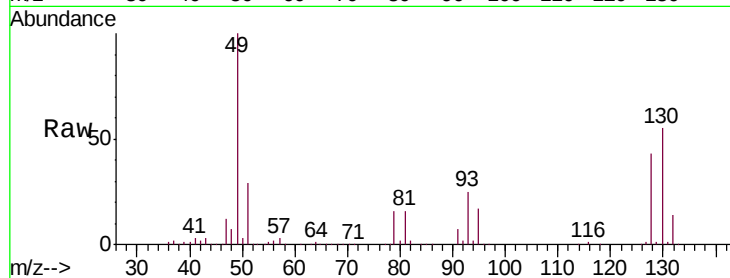
Tgt Ion: 49 Resp: 774492

Ion Ratio Lower Upper

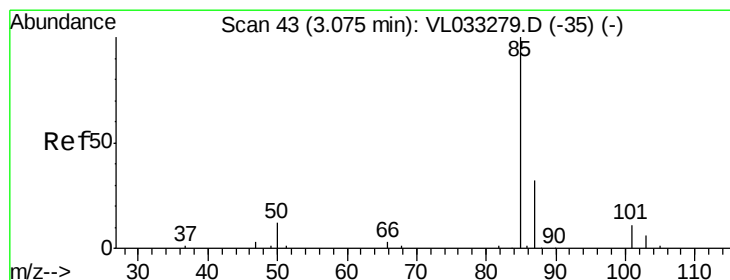
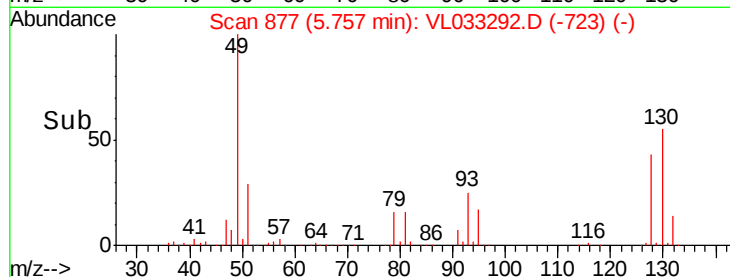
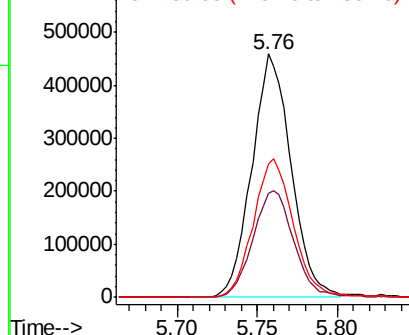
49 100

128 46.1 23.3 69.9

130 58.7 30.0 90.1



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: 0.420 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033292.D

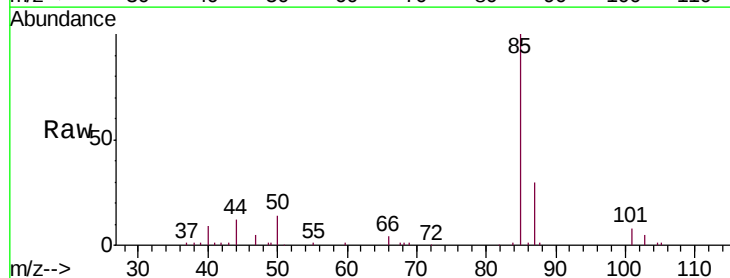
Acq: 12 Mar 2019 21:00

Tgt Ion: 85 Resp: 65622

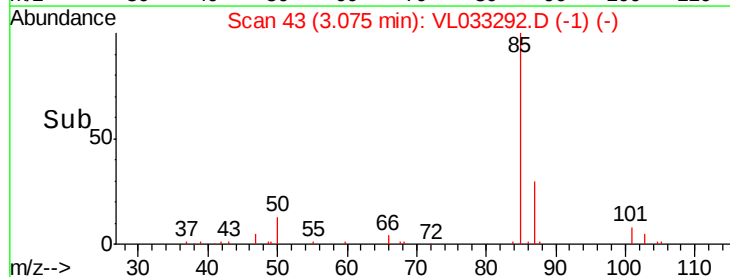
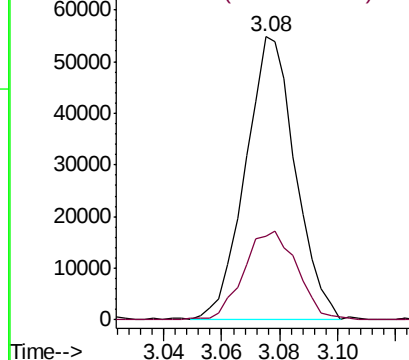
Ion Ratio Lower Upper

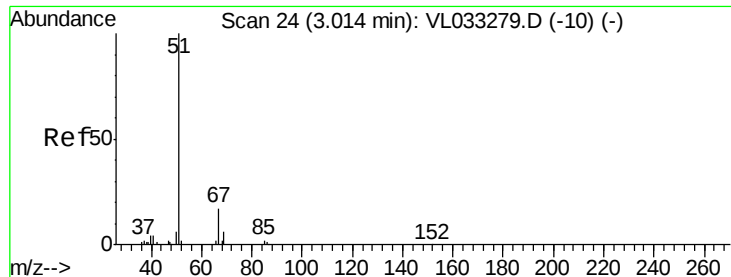
85 100

87 29.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0  
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.741 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.03 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

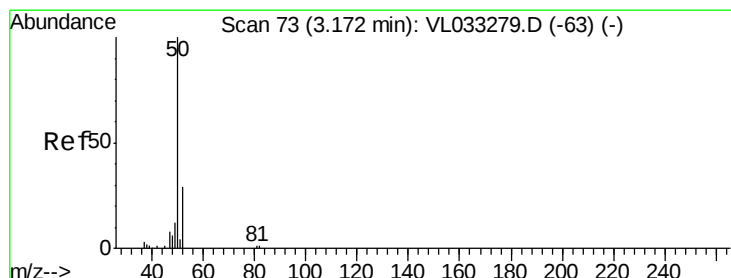
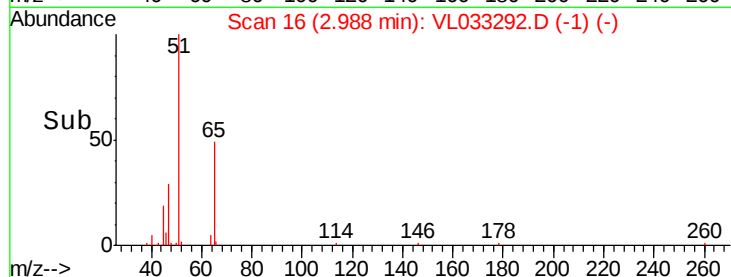
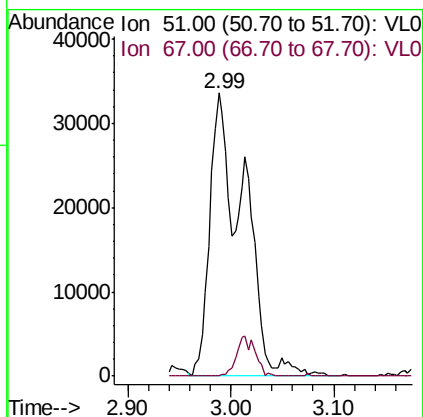
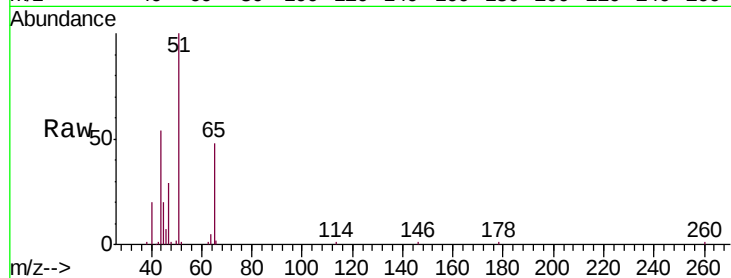
ST-IA-2

Tgt Ion: 51 Resp: 76104

Ion Ratio Lower Upper

51 100

67 7.9 15.0 22.4#



#4

Chloromethane

Concen: 0.436 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033292.D

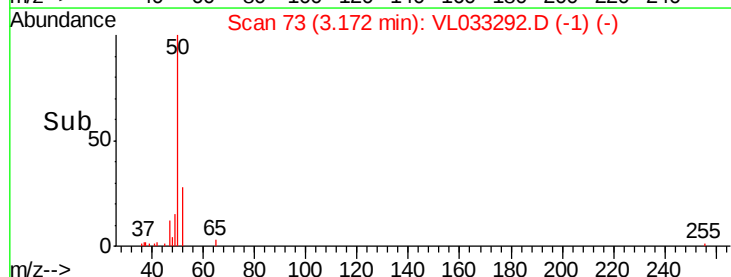
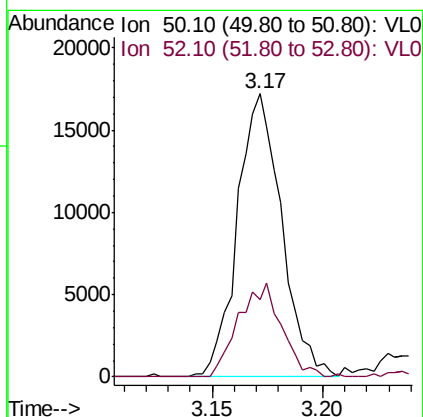
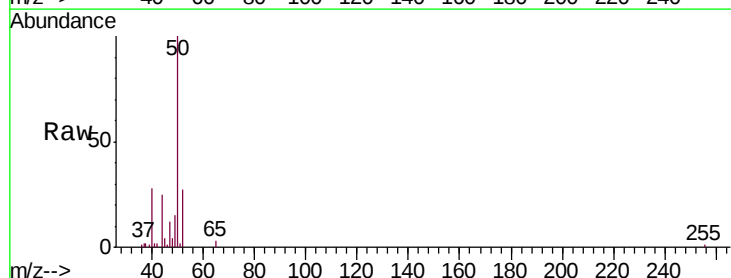
Acq: 12 Mar 2019 21:00

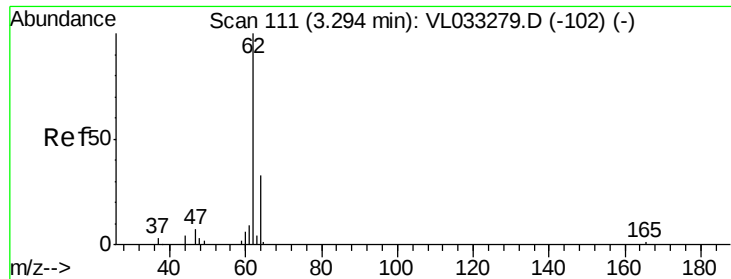
Tgt Ion: 50 Resp: 23962

Ion Ratio Lower Upper

50 100

52 27.4 26.6 39.8





#5

Vinyl Chloride

Concen: 0.023 ppbv

RT: 3.05 min Scan# 34

Delta R.T. -0.25 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

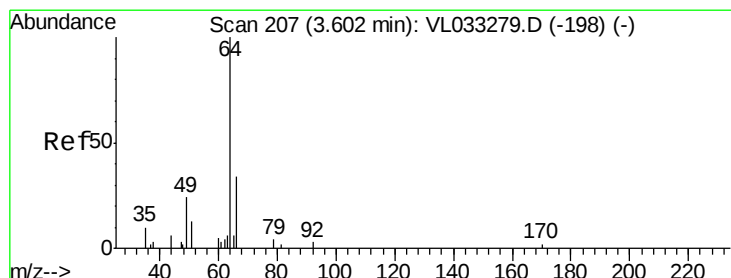
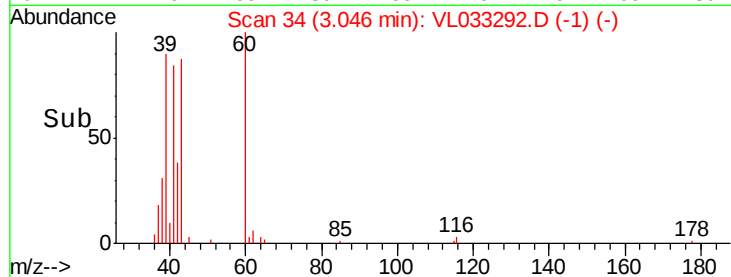
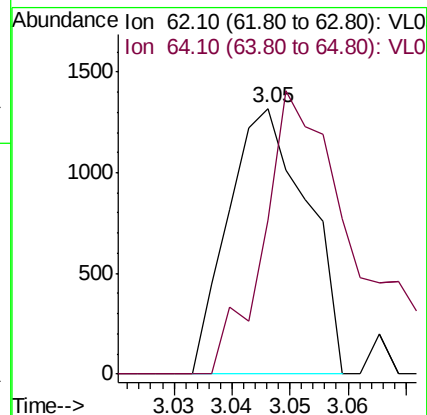
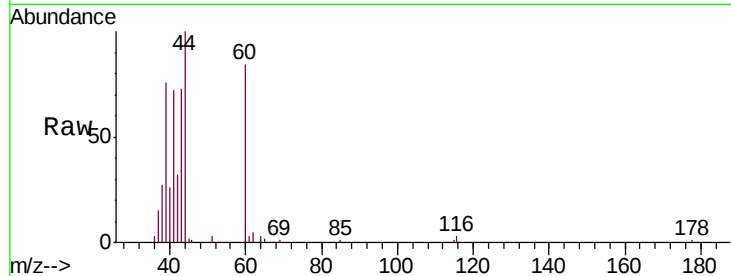
ST-IA-2

Tgt Ion: 62 Resp: 1243

Ion Ratio Lower Upper

62 100

64 58.0 24.5 36.7#



#7

Chloroethane

Concen: 0.110 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033292.D

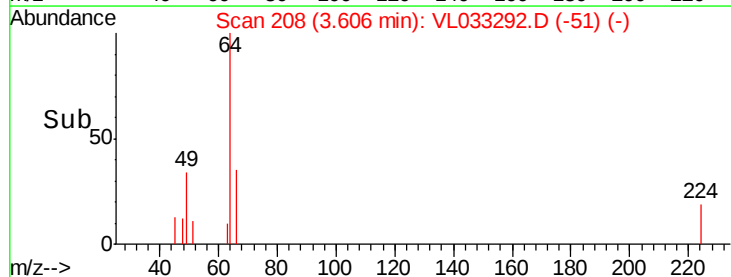
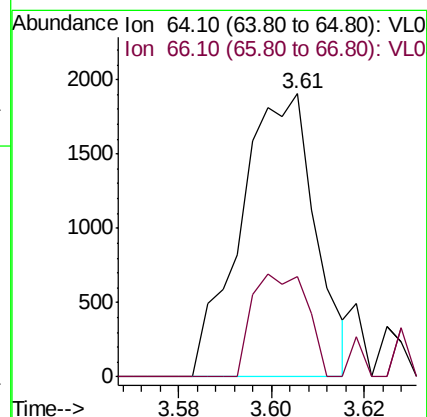
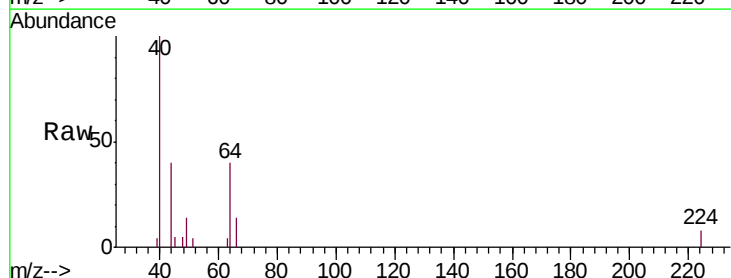
Acq: 12 Mar 2019 21:00

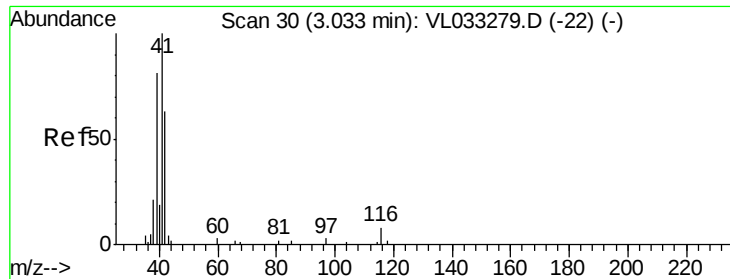
Tgt Ion: 64 Resp: 2135

Ion Ratio Lower Upper

64 100

66 35.5 26.2 39.2





#9

Propene

Concen: 1.407 ppbv

RT: 3.24 min Scan# 93

Delta R.T. 0.20 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

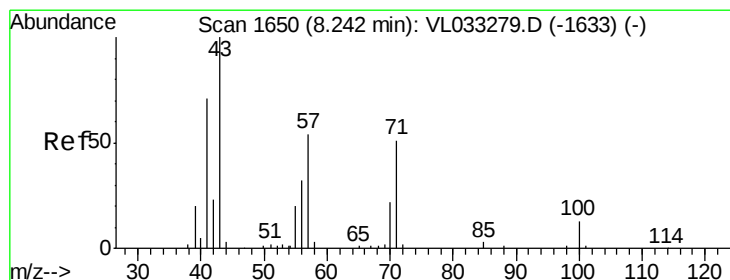
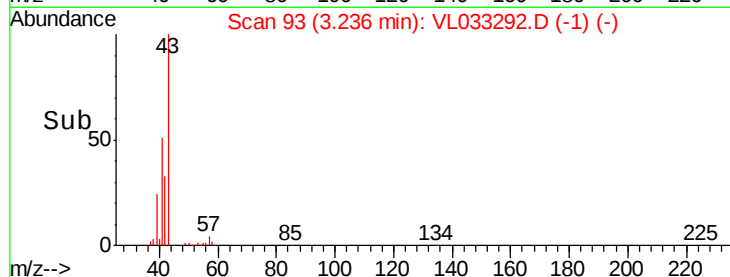
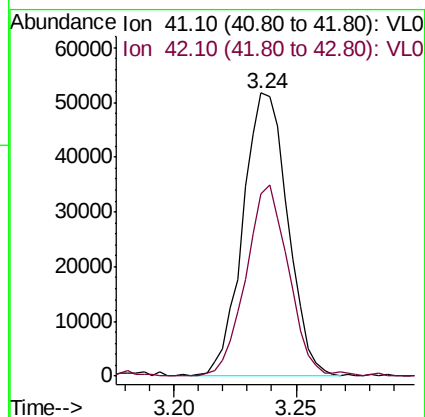
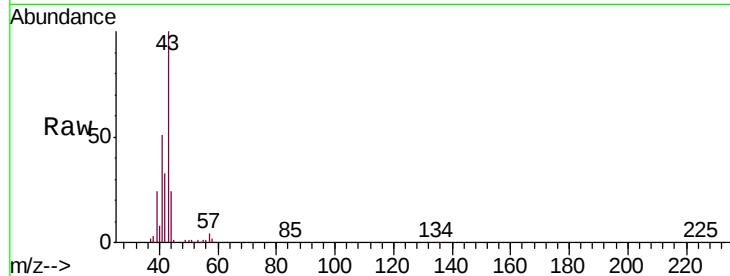
ST-IA-2

Tgt Ion: 41 Resp: 65910

Ion Ratio Lower Upper

41 100

42 64.2 54.6 82.0



#10

Heptane

Concen: 0.092 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.01 min

Lab File: VL033292.D

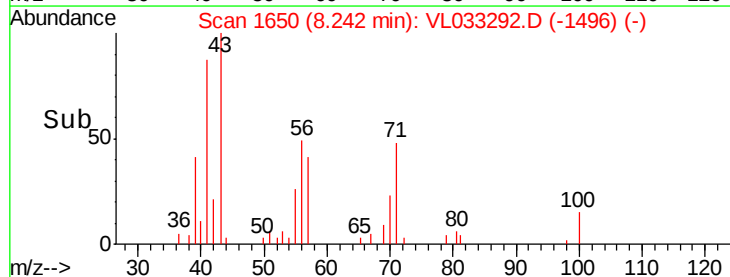
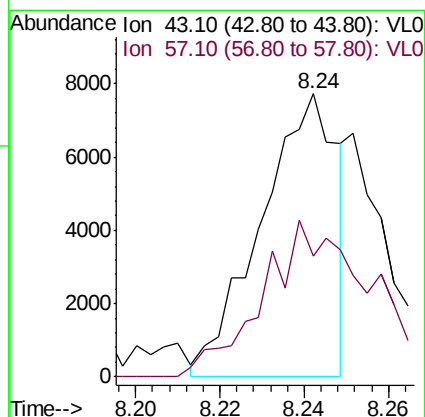
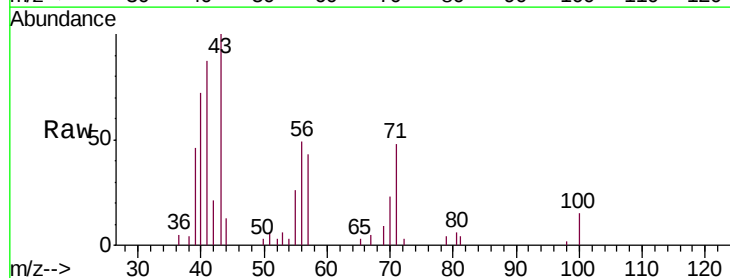
Acq: 12 Mar 2019 21:00

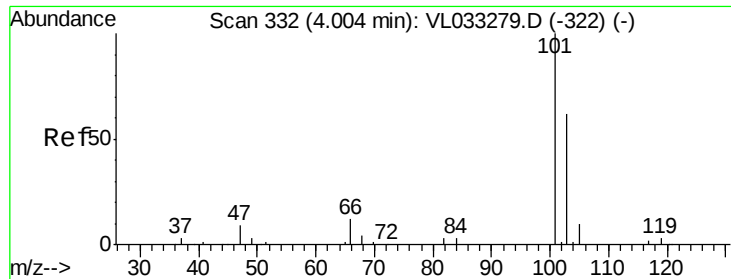
Tgt Ion: 43 Resp: 9683

Ion Ratio Lower Upper

43 100

57 78.7 39.8 59.8#

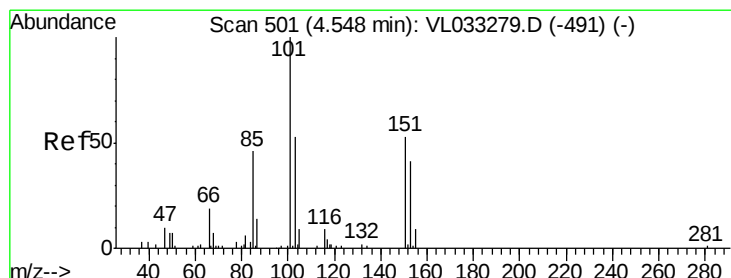
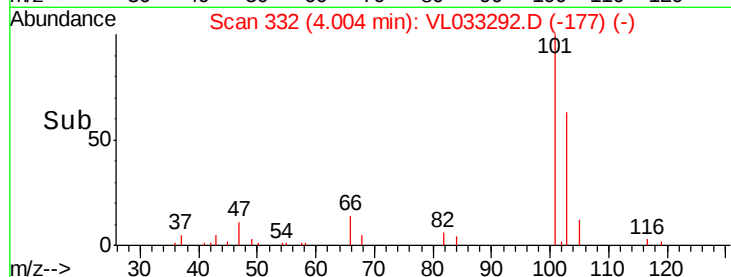
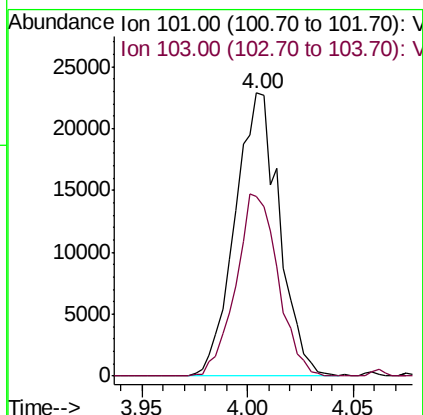
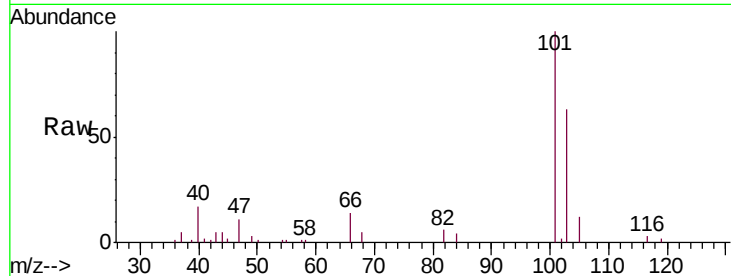




#11  
 Trichlorofluoromethane  
 Concen: 0.216 ppbv  
 RT: 4.00 min Scan# 332  
 Delta R.T. -0.00 min  
 Lab File: VL033292.D  
 Acq: 12 Mar 2019 21:00

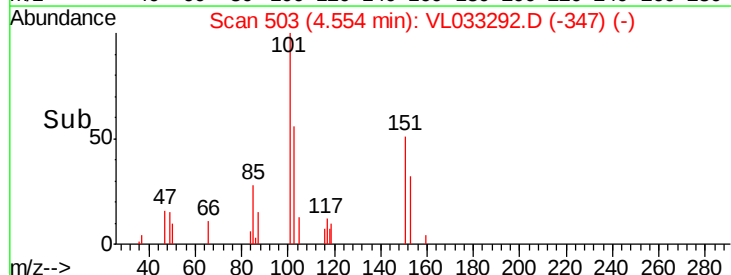
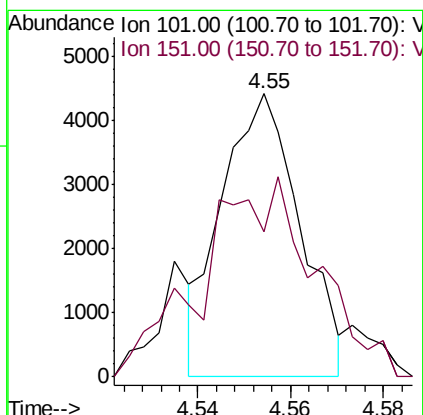
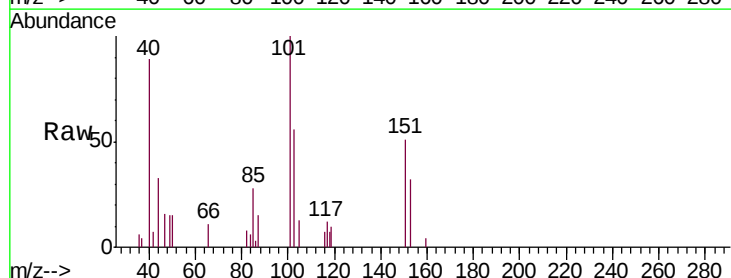
Instrument :  
 MSVOA\_L  
 ClientSampled :  
 ST-IA-2

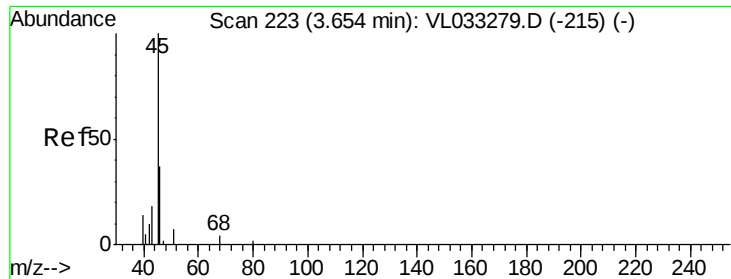
Tgt Ion:101 Resp: 33365  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.058 ppbv  
 RT: 4.55 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: VL033292.D  
 Acq: 12 Mar 2019 21:00

Tgt Ion:101 Resp: 5152  
 Ion Ratio Lower Upper  
 101 100  
 151 103.1 56.9 85.3#

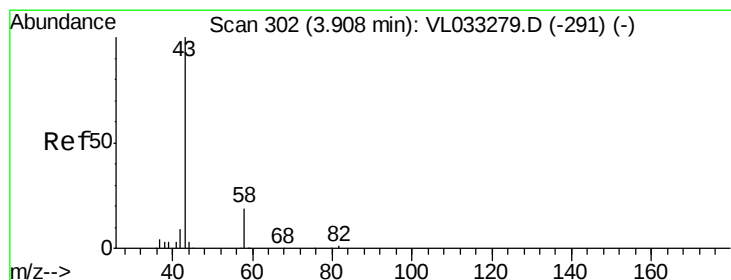
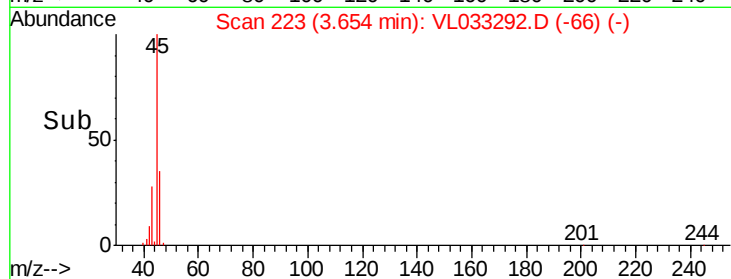
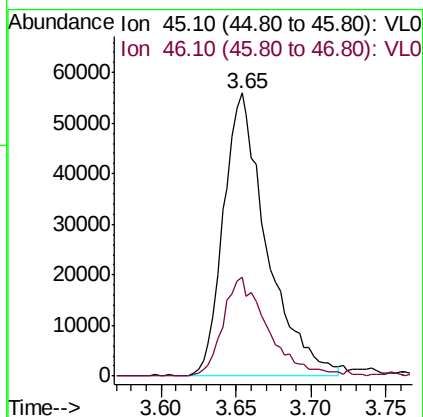
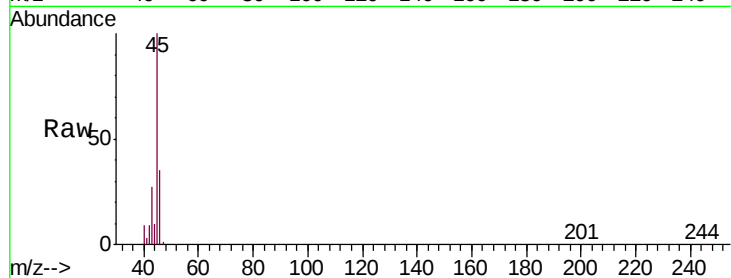




#13  
Ethanol  
Concen: 7.918 ppbv  
RT: 3.65 min Scan# 223  
Delta R.T. 0.00 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

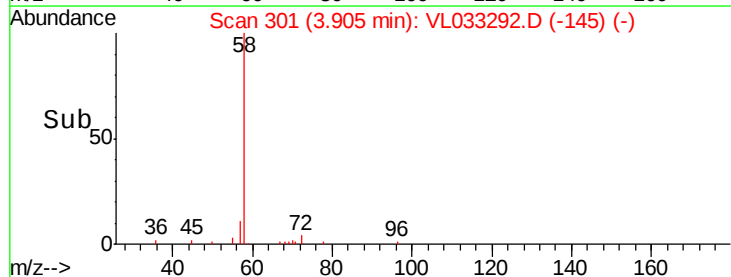
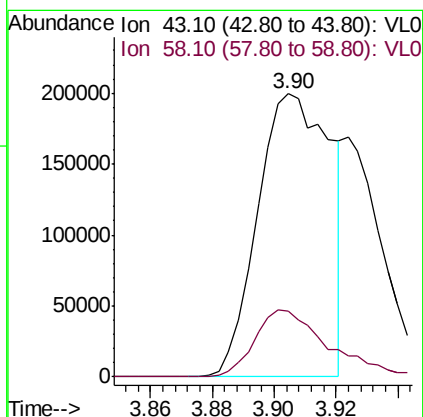
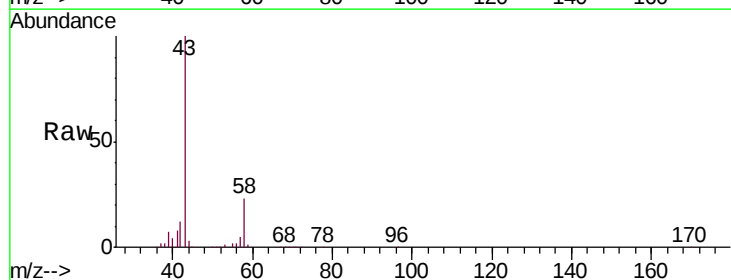
Instrument :  
MSVOA\_L  
ClientSampleId :  
ST-IA-2

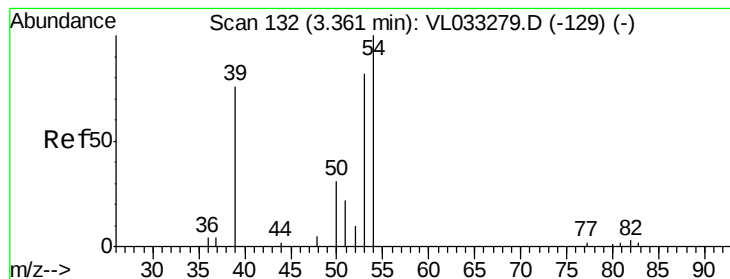
Tgt Ion: 45 Resp: 113131  
Ion Ratio Lower Upper  
45 100  
46 36.3 13.9 55.7



#15  
Acetone  
Concen: 2.759 ppbv  
RT: 3.90 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

Tgt Ion: 43 Resp: 327749  
Ion Ratio Lower Upper  
43 100  
58 24.2 21.1 31.7





#16

1,3-Butadiene

Concen: 0.184 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

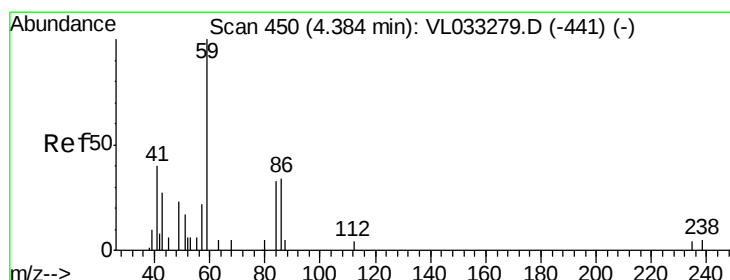
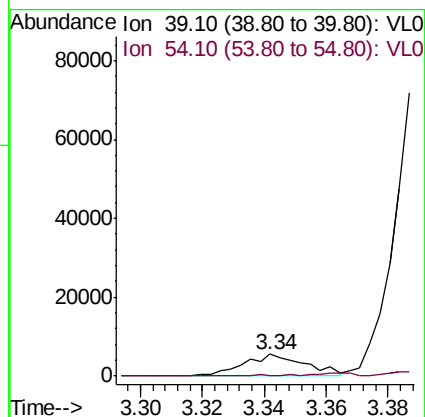
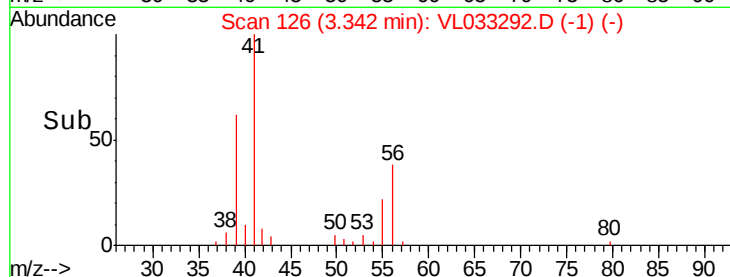
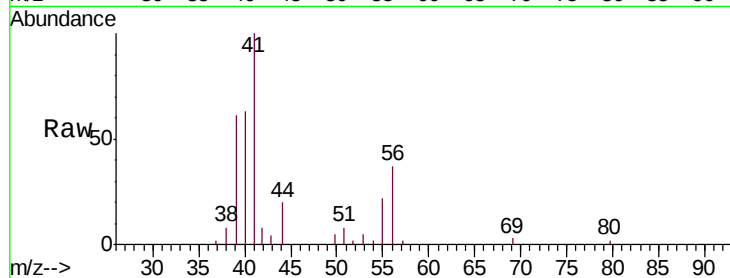
ST-IA-2

Tgt Ion: 39 Resp: 7878

Ion Ratio Lower Upper

39 100

54 0.0 76.6 114.8#



#17

tert-Butyl alcohol

Concen: 0.063 ppbv

RT: 4.38 min Scan# 450

Delta R.T. 0.03 min

Lab File: VL033292.D

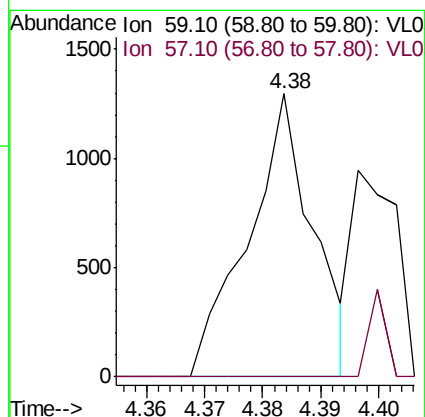
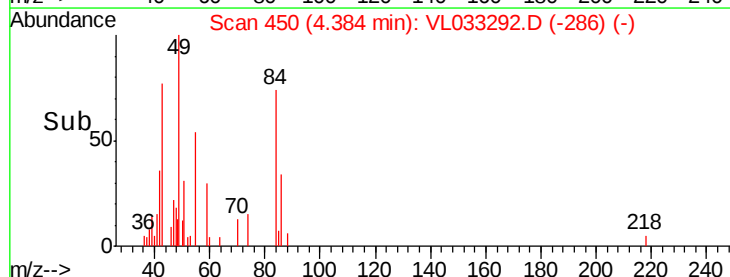
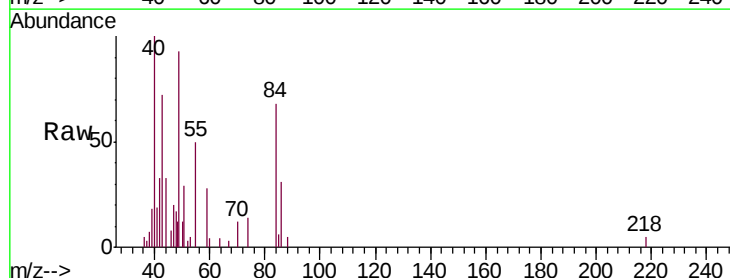
Acq: 12 Mar 2019 21:00

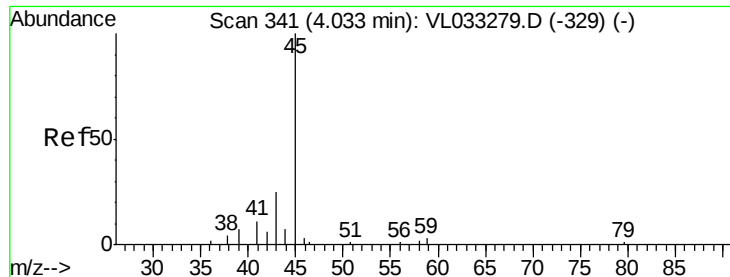
Tgt Ion: 59 Resp: 1000

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#





#19

Isopropyl Alcohol

Concen: 0.559 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

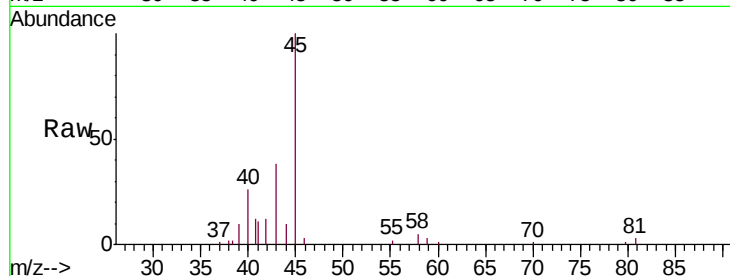
ST-IA-2

Tgt Ion: 45 Resp: 40163

Ion Ratio Lower Upper

45 100

58 197.7 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

20000

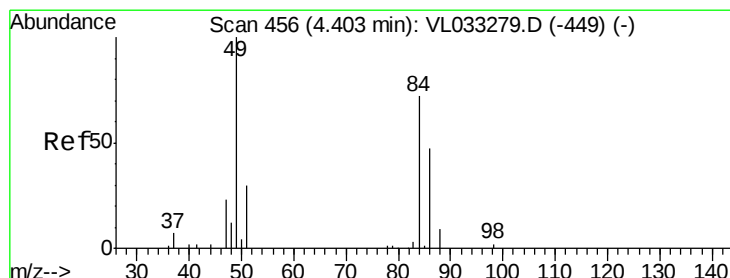
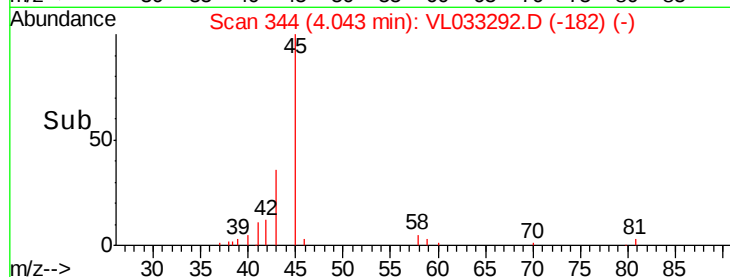
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 2.750 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Tgt Ion: 84 Resp: 108637

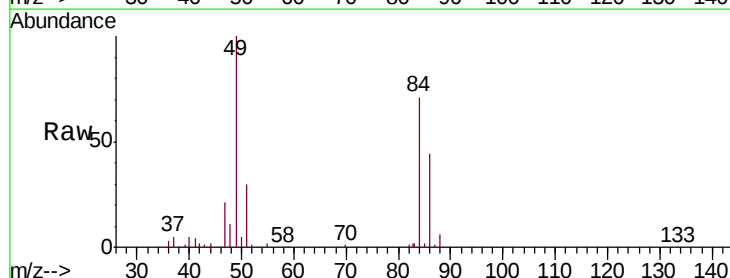
Ion Ratio Lower Upper

84 100

49 140.7 120.3 180.5

51 41.5 36.2 54.4

86 62.6 52.5 78.7



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

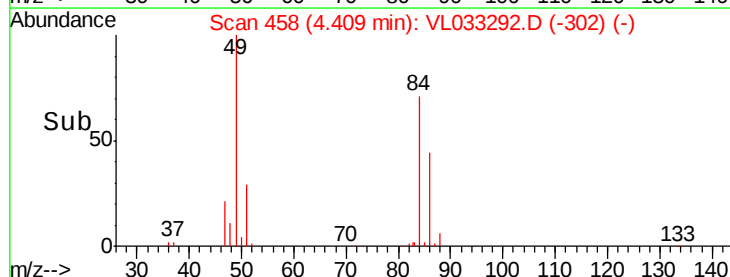
150000

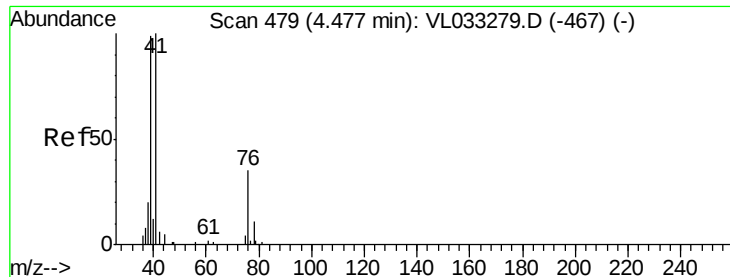
100000

50000

0

Time-->





#21

Allyl Chloride

Concen: 0.026 ppbv

RT: 4.44 min Scan# 466

Delta R.T. -0.05 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

ST-IA-2

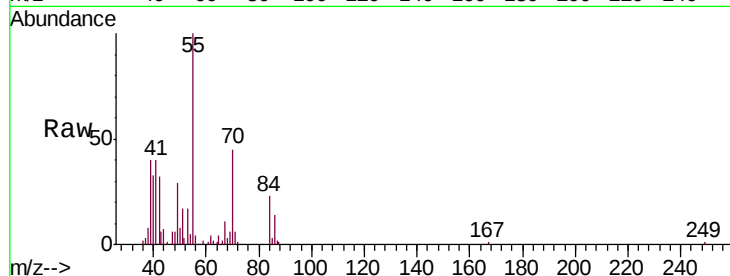
Tgt Ion: 41 Resp: 1550

Ion Ratio Lower Upper

41 100

76 0.0 25.0 37.4#

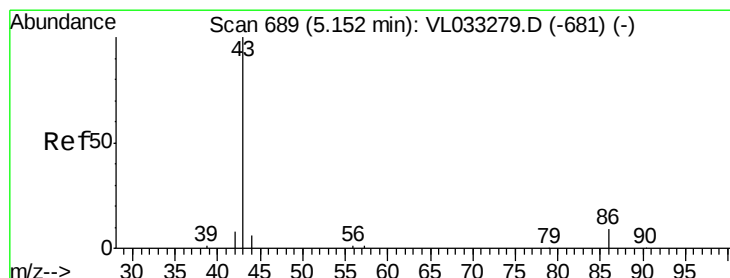
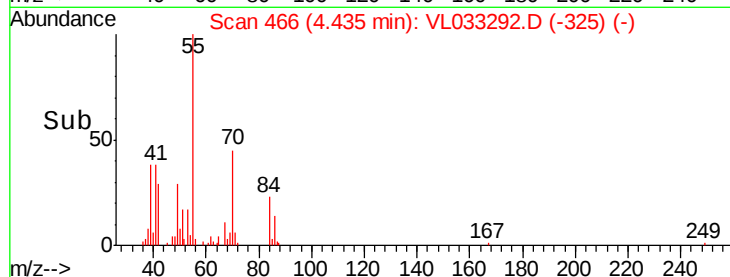
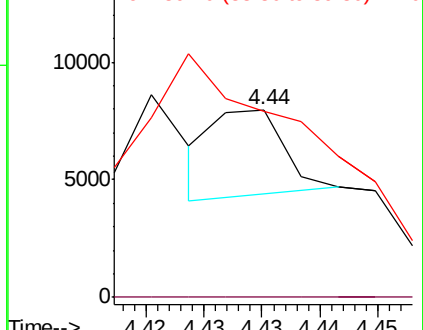
39 0.0 64.2 96.4#



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



#23

Vinyl Acetate

Concen: 0.178 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.02 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Tgt Ion: 43 Resp: 26571

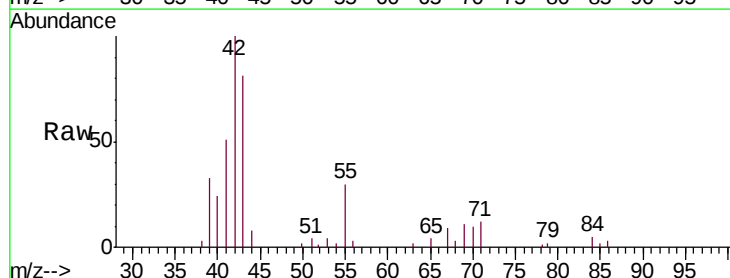
Ion Ratio Lower Upper

43 100

86 4.4 5.5 8.3#

42 117.6 7.8 11.6#

44 2.9 3.6 5.4#

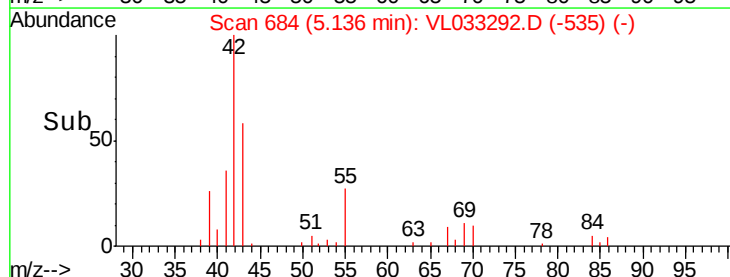
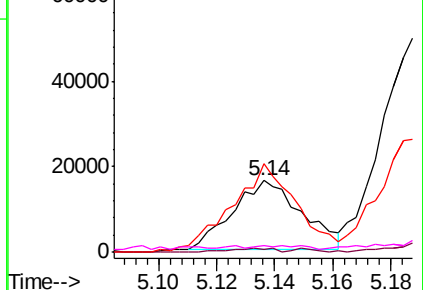


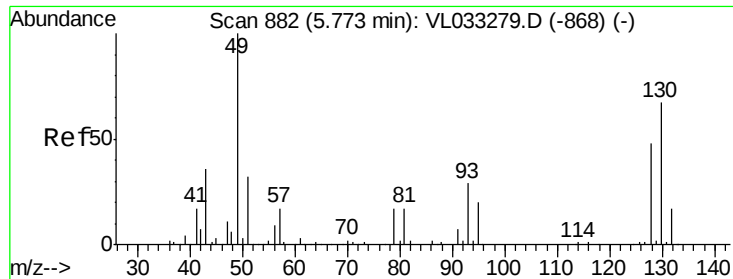
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.638 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

ST-IA-2

Tgt Ion: 43 Resp: 116872

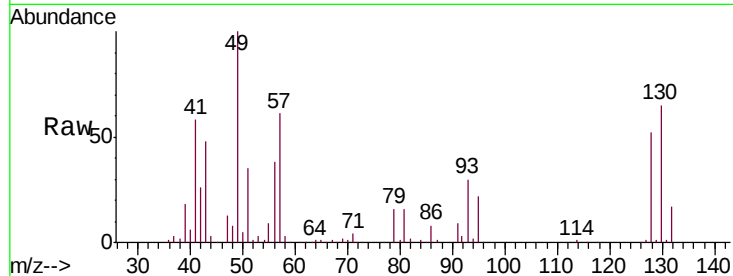
Ion Ratio Lower Upper

43 100

45 1.0 7.8 11.6#

61 1.0 7.3 10.9#

70 1.9 5.8 8.6#



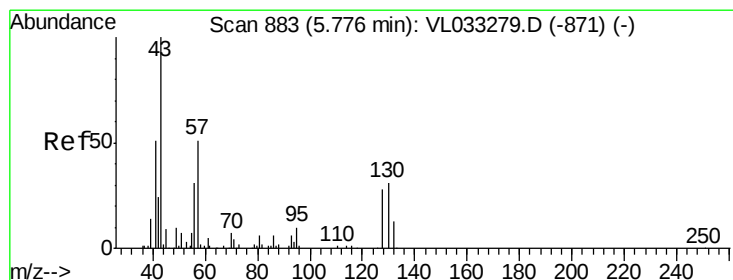
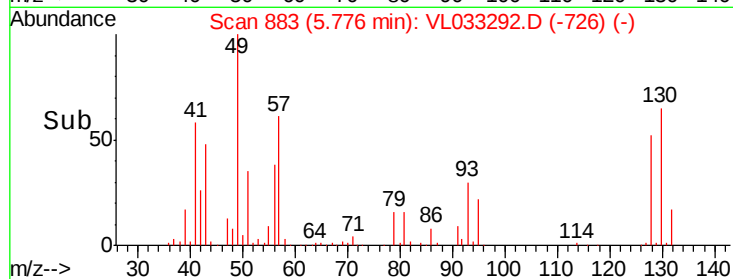
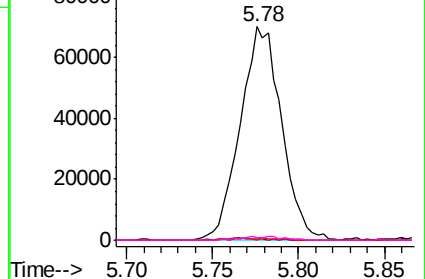
Abundance

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: 1.835 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Tgt Ion: 57 Resp: 157646

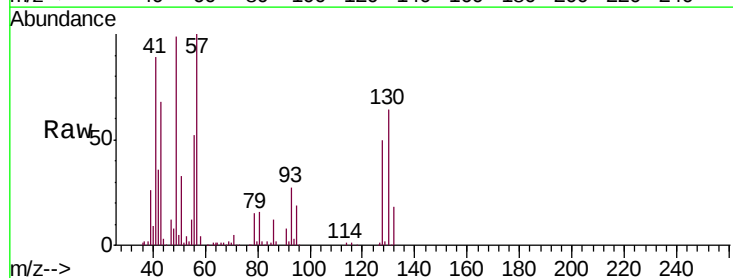
Ion Ratio Lower Upper

57 100

41 97.4 70.7 106.1

43 74.3 178.6 267.8#

56 56.1 41.3 61.9



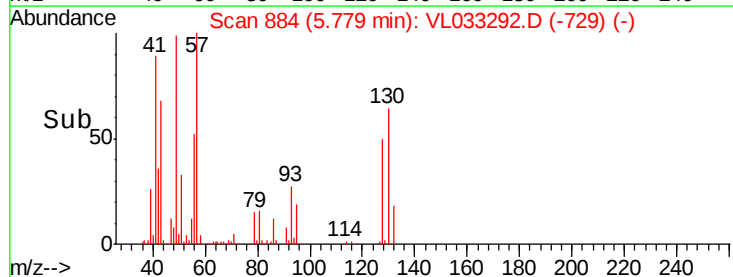
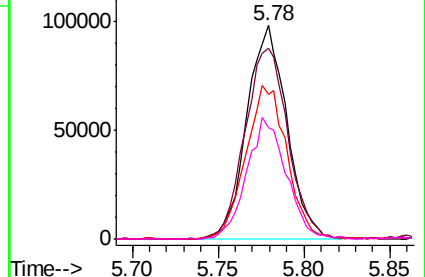
Abundance

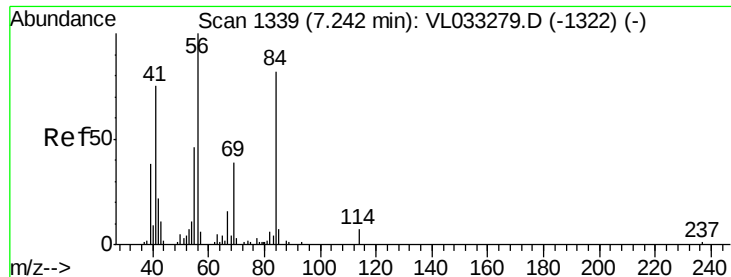
Ion 57.10 (56.80 to 57.80): VL0

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

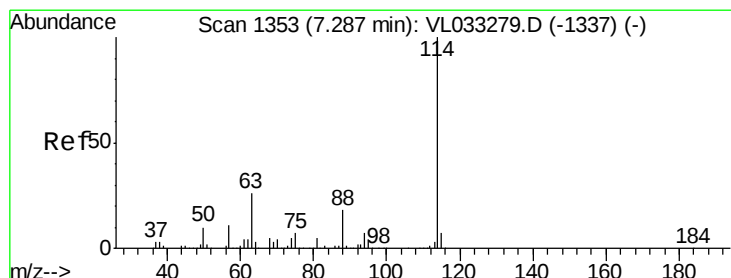
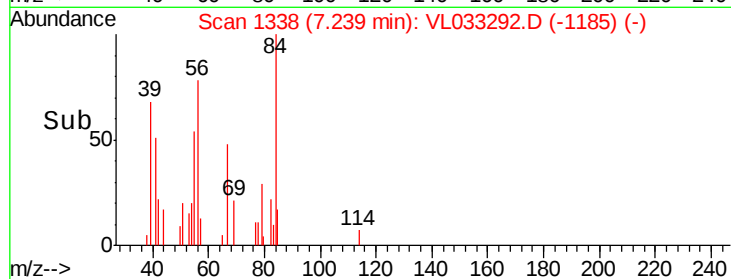
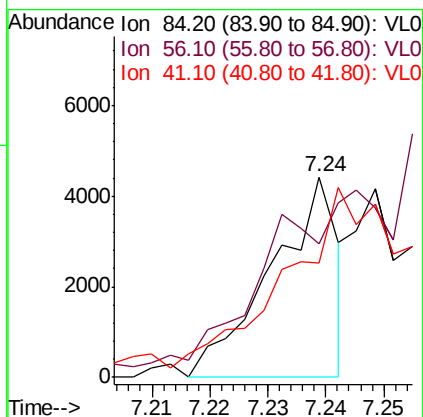
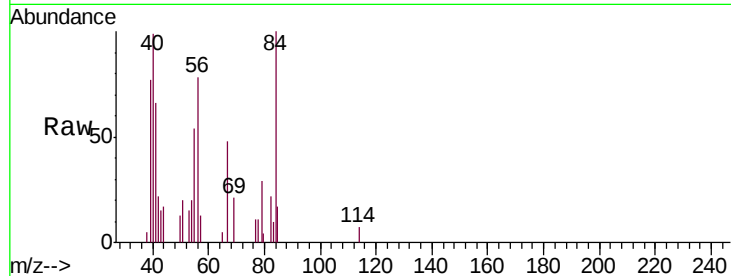




#30  
Cyclohexane  
Concen: 0.053 ppbv  
RT: 7.24 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

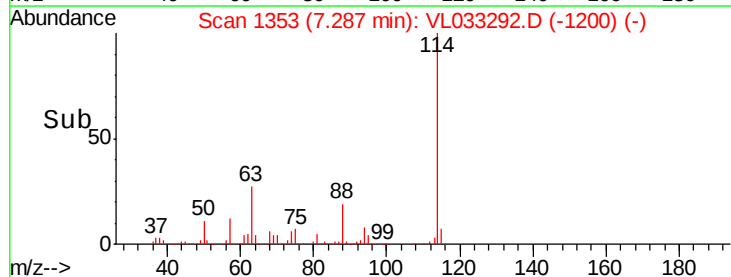
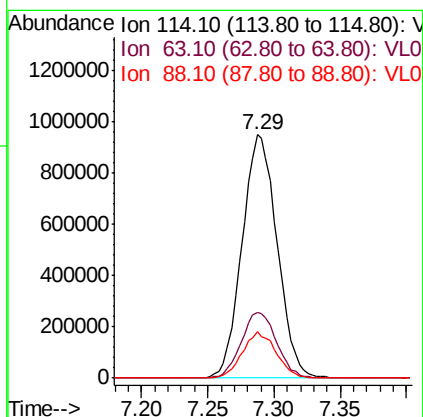
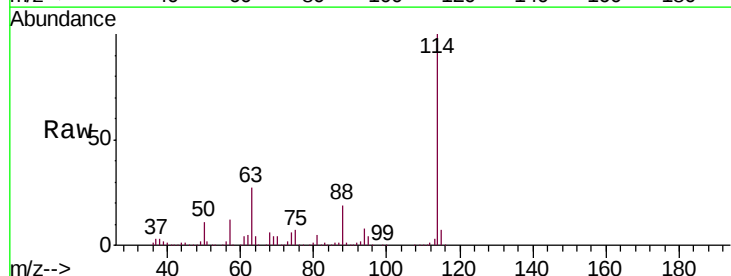
Instrument :  
MSVOA\_L  
ClientSampleId :  
ST-IA-2

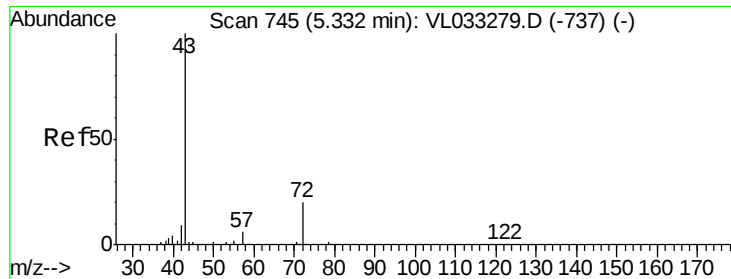
Tgt Ion: 84 Resp: 3513  
Ion Ratio Lower Upper  
84 100  
56 0.0 112.0 168.0#  
41 224.2 69.9 104.9#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.29 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

Tgt Ion: 114 Resp: 1740503  
Ion Ratio Lower Upper  
114 100  
63 27.4 21.5 32.3  
88 18.4 14.6 22.0

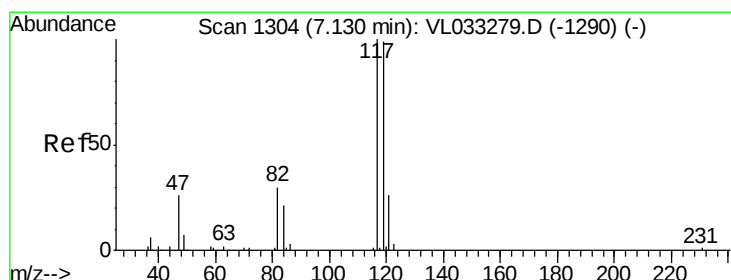
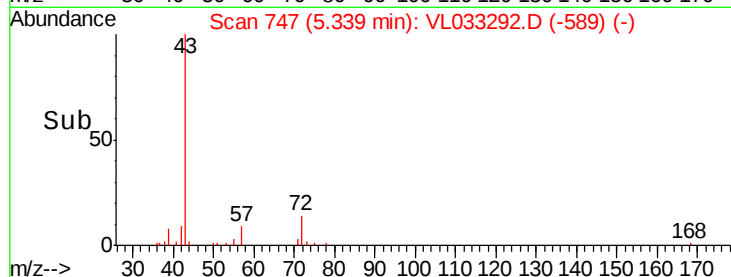
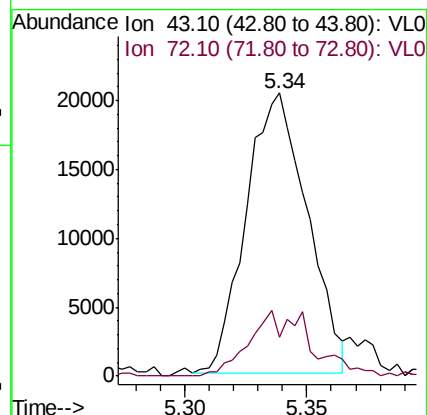
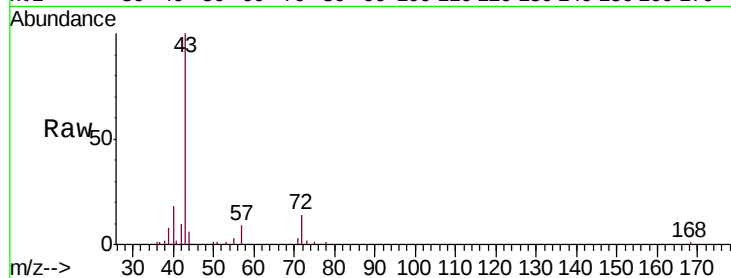




#34  
2-Butanone  
Concen: 0.306 ppbv  
RT: 5.34 min Scan# 747  
Delta R.T. 0.01 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

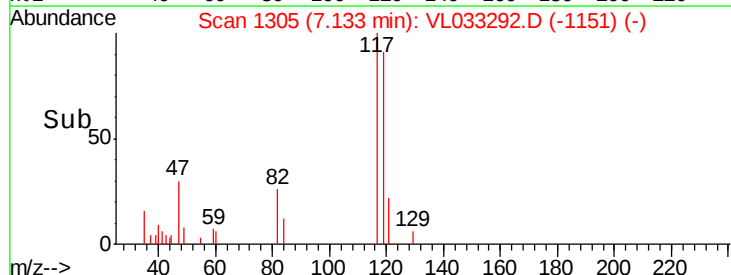
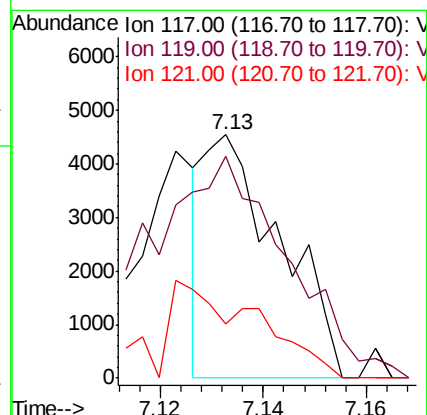
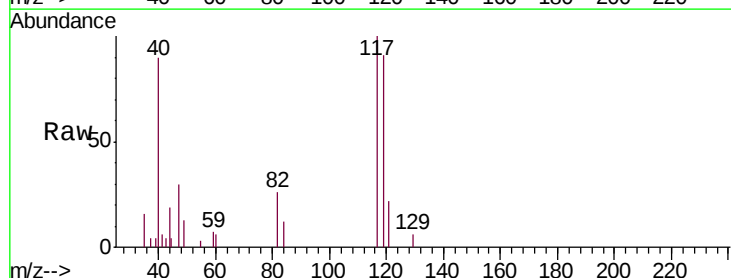
Instrument :  
MSVOA\_L  
ClientSampleId :  
ST-IA-2

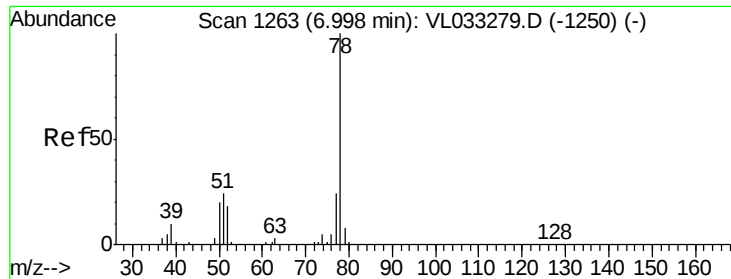
Tgt Ion: 43 Resp: 35243  
Ion Ratio Lower Upper  
43 100  
72 24.0 17.0 25.6



#35  
Carbon Tetrachloride  
Concen: 0.036 ppbv  
RT: 7.13 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

Tgt Ion: 117 Resp: 4594  
Ion Ratio Lower Upper  
117 100  
119 74.7 77.4 116.0#  
121 22.2 24.9 37.3#

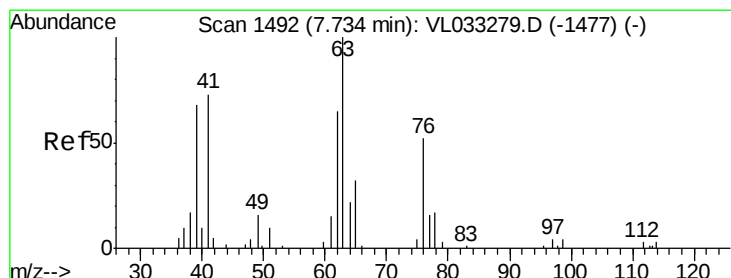
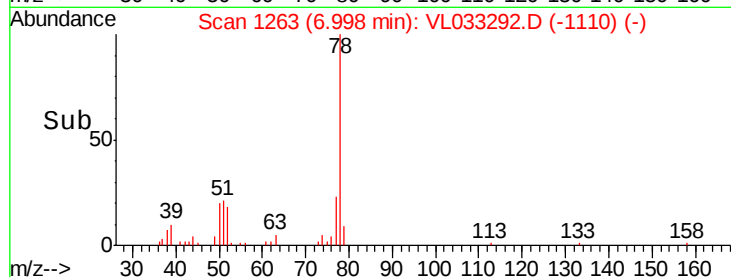
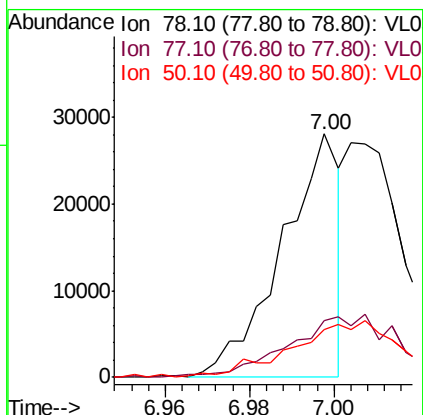
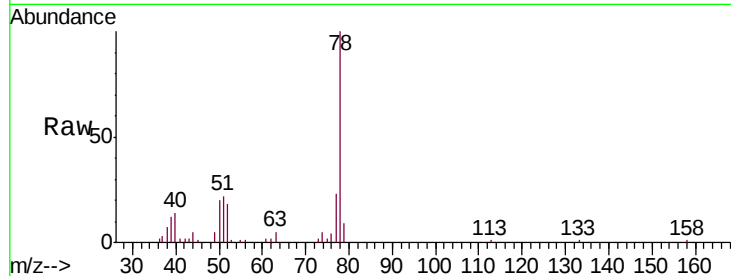




#36  
Benzene  
Concen: 0.168 ppbv  
RT: 7.00 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

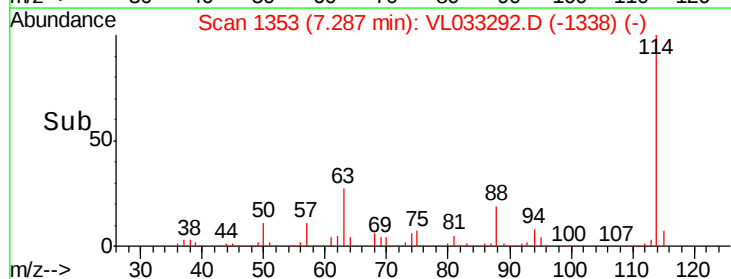
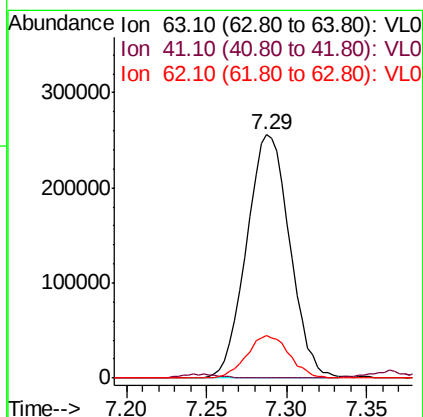
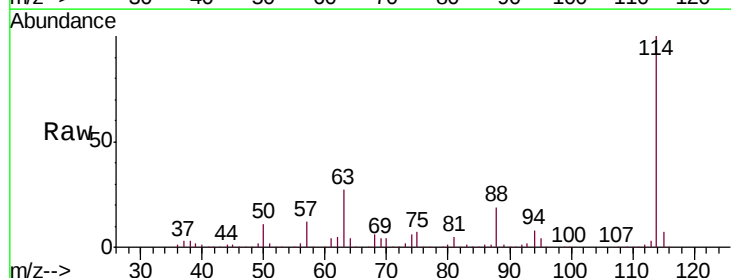
Instrument :  
MSVOA\_L  
ClientSampleId :  
ST-IA-2

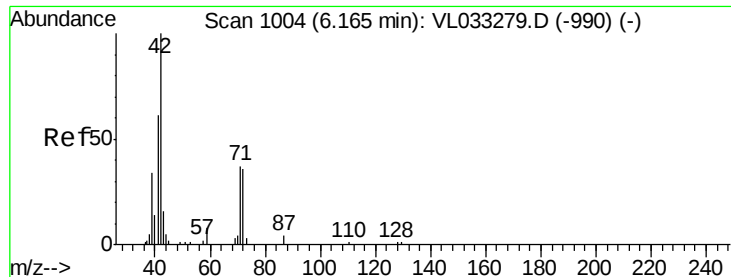
Tgt Ion: 78 Resp: 26904  
Ion Ratio Lower Upper  
78 100  
77 22.1 17.7 26.5  
50 18.9 15.7 23.5



#39  
1,2-Dichloropropane  
Concen: 7.840 ppbv  
RT: 7.29 min Scan# 1353  
Delta R.T. -0.45 min  
Lab File: VL033292.D  
Acq: 12 Mar 2019 21:00

Tgt Ion: 63 Resp: 473571  
Ion Ratio Lower Upper  
63 100  
41 0.1 58.3 87.5#  
62 17.5 55.3 82.9#





#41

Tetrahydrofuran

Concen: 0.021 ppbv

RT: 6.17 min Scan# 1007

Delta R.T. 0.03 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

ST-IA-2

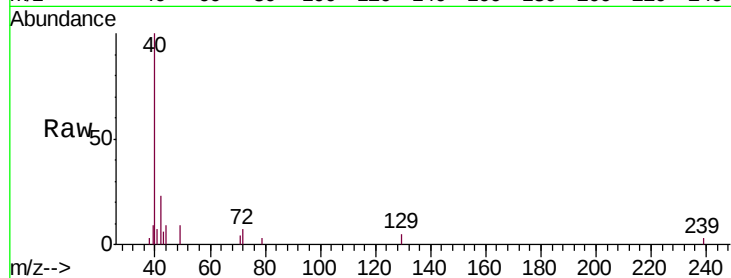
Tgt Ion: 42 Resp: 1370

Ion Ratio Lower Upper

42 100

72 53.7 30.6 46.0#

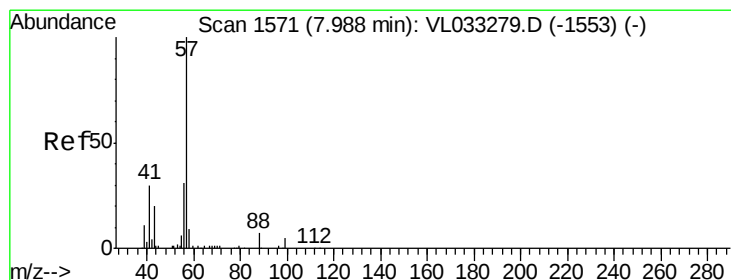
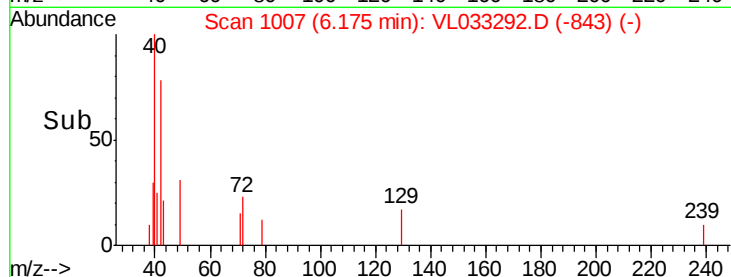
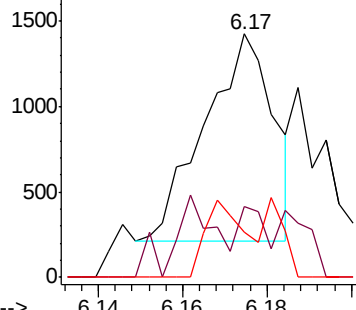
71 32.3 29.7 44.5



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: 0.226 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

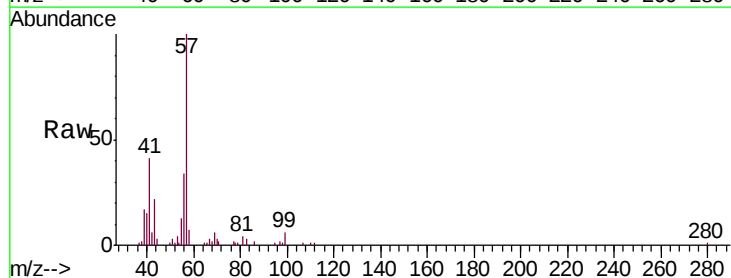
Tgt Ion: 57 Resp: 61692

Ion Ratio Lower Upper

57 100

41 46.5 26.2 39.2#

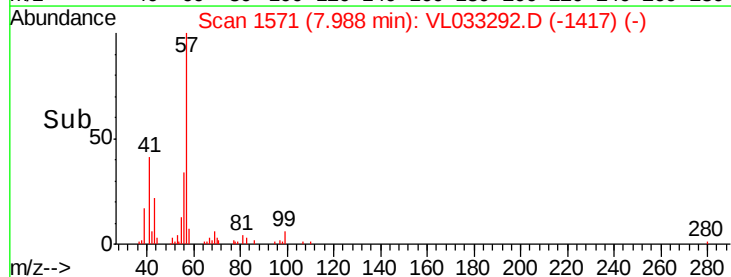
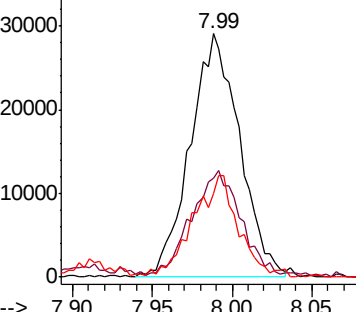
56 38.9 24.8 37.2#

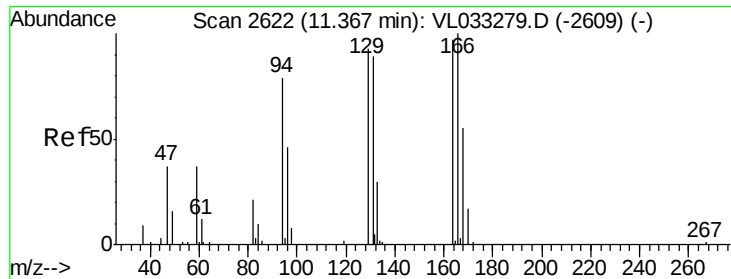


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.041 ppbv

RT: 11.36 min Scan# 2621

Delta R.T. -0.01 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

ST-IA-2

Tgt Ion:164 Resp: 2408

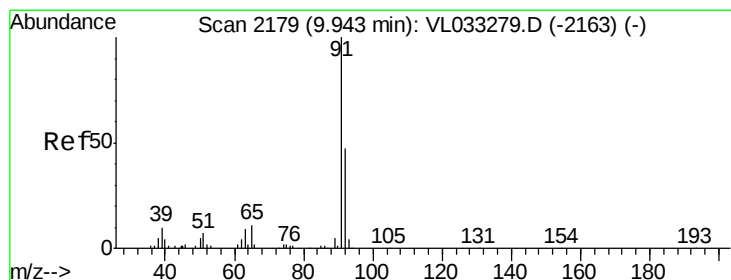
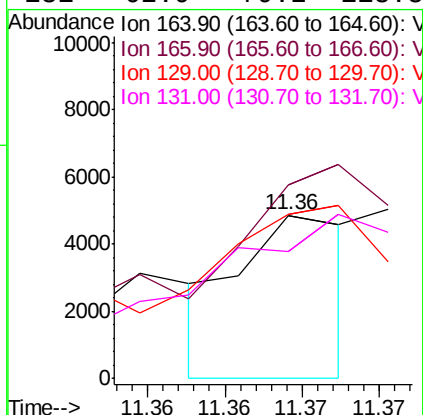
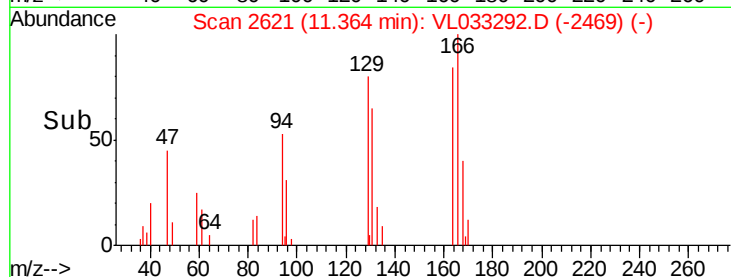
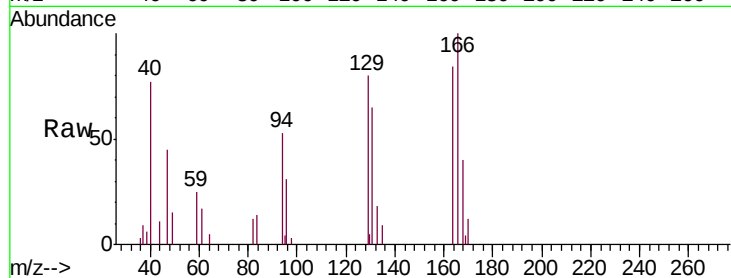
Ion Ratio Lower Upper

164 100

166 168.0 100.8 151.2#

129 112.3 80.6 121.0

131 62.9 79.2 118.8#



#53

Toluene

Concen: 2.556 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033292.D

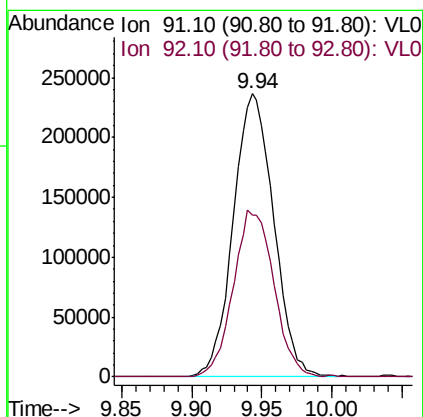
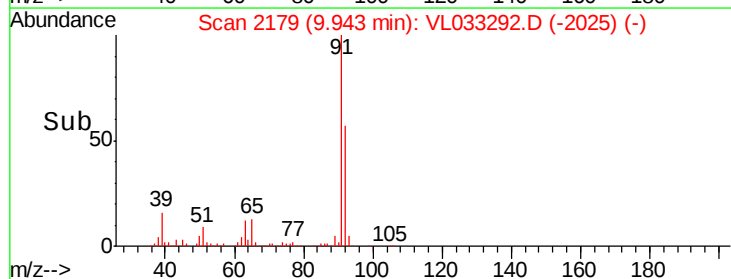
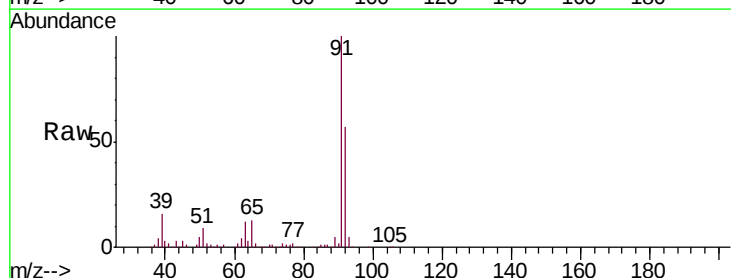
Acq: 12 Mar 2019 21:00

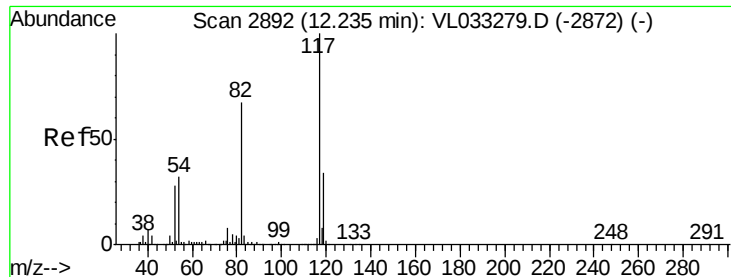
Tgt Ion: 91 Resp: 472977

Ion Ratio Lower Upper

91 100

92 59.4 47.8 71.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

ST-IA-2

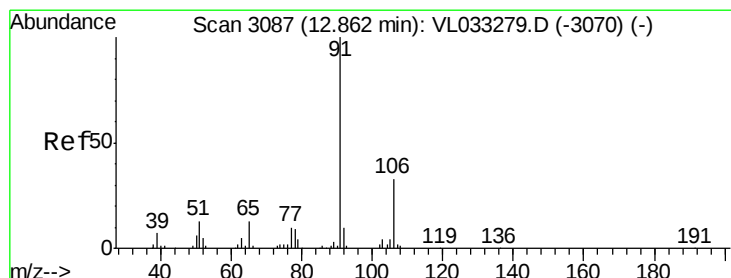
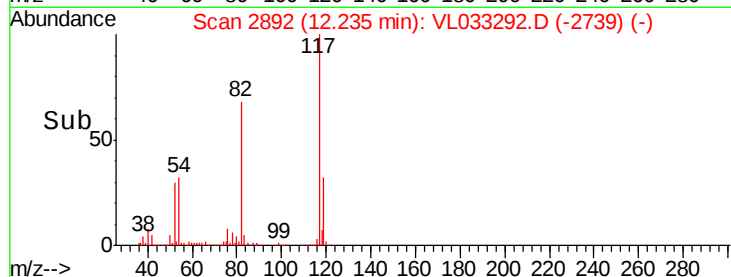
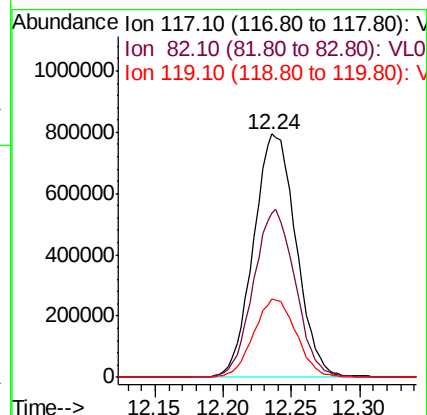
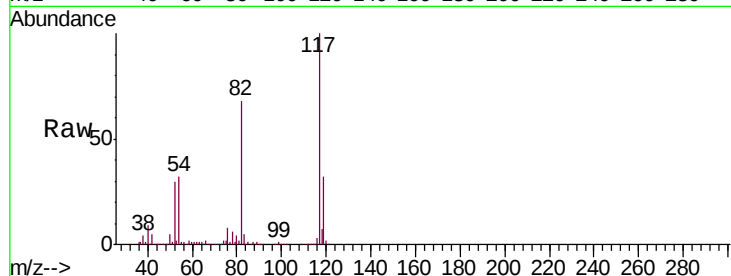
Tgt Ion:117 Resp: 1720189

Ion Ratio Lower Upper

117 100

82 68.7 51.1 76.7

119 32.1 43.6 65.4#



#58

Ethyl Benzene

Concen: 0.051 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL033292.D

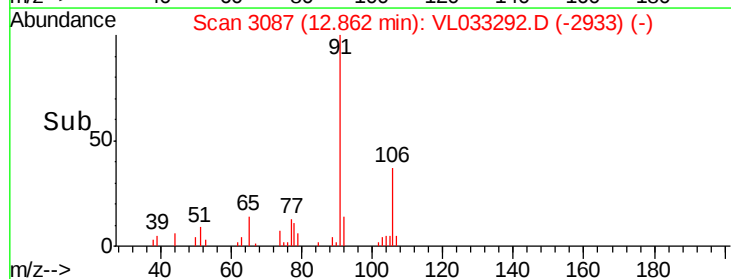
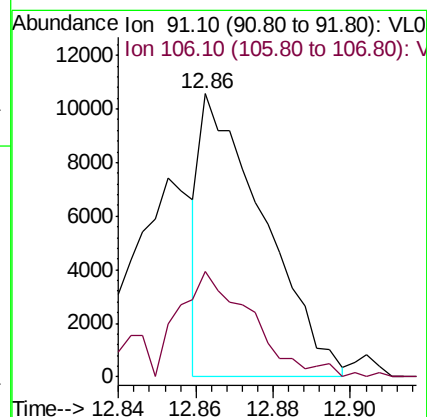
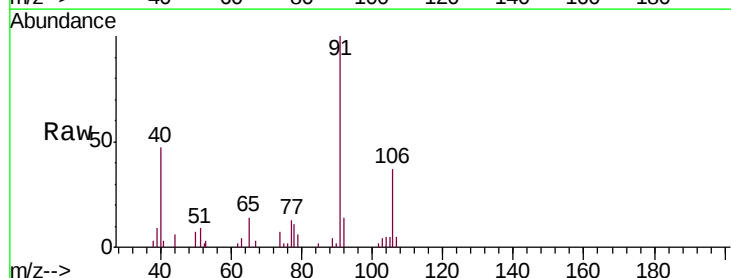
Acq: 12 Mar 2019 21:00

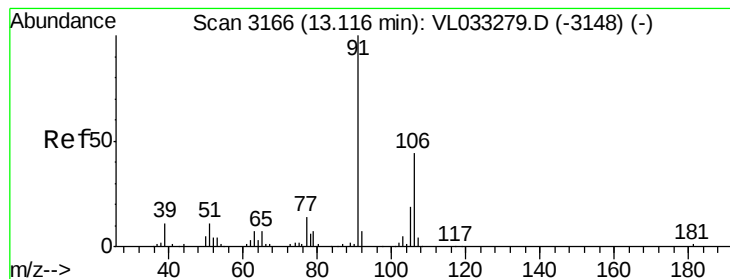
Tgt Ion: 91 Resp: 11947

Ion Ratio Lower Upper

91 100

106 38.7 22.5 33.7#





#59

m/p-Xylene

Concen: 0.152 ppbv

RT: 13.12 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VL033292.D

Acq: 12 Mar 2019 21:00

Instrument :

MSVOA\_L

ClientSampleId :

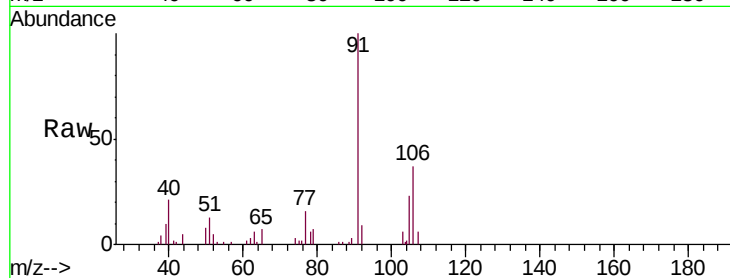
ST-IA-2

Tgt Ion: 91 Resp: 30111

Ion Ratio Lower Upper

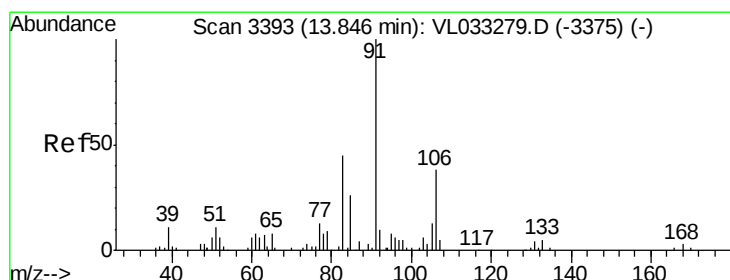
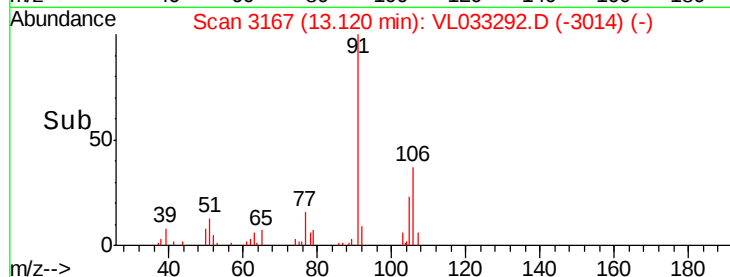
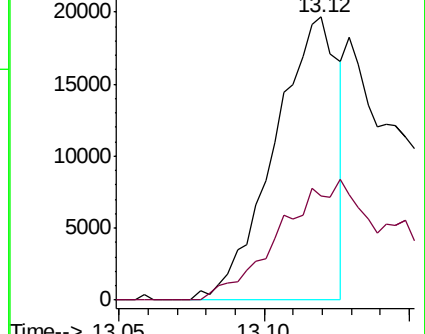
91 100

106 0.0 35.5 53.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.064 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL033292.D

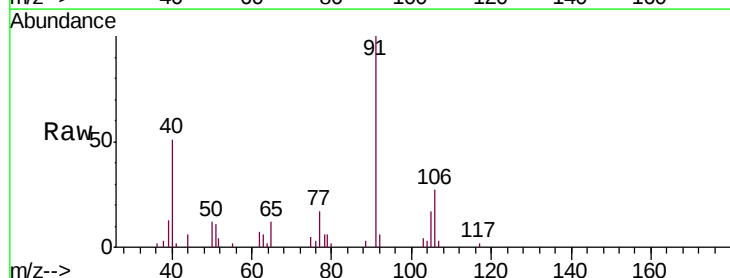
Acq: 12 Mar 2019 21:00

Tgt Ion: 91 Resp: 12172

Ion Ratio Lower Upper

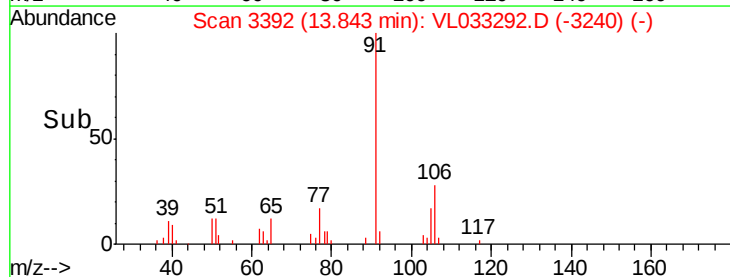
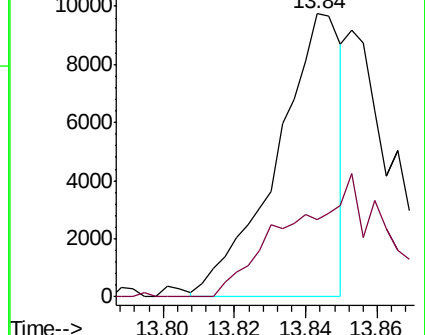
91 100

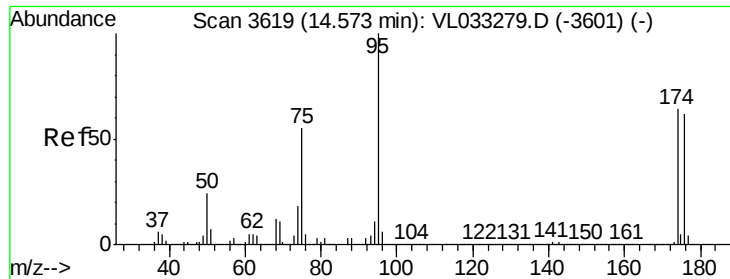
106 0.0 21.3 63.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

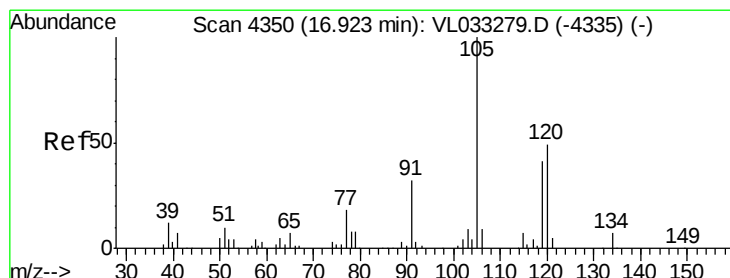
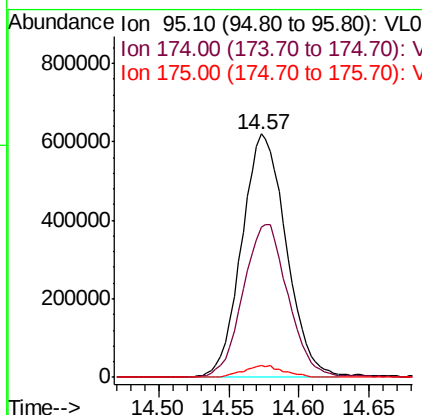
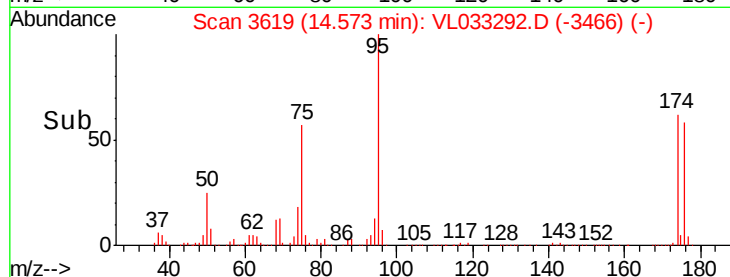
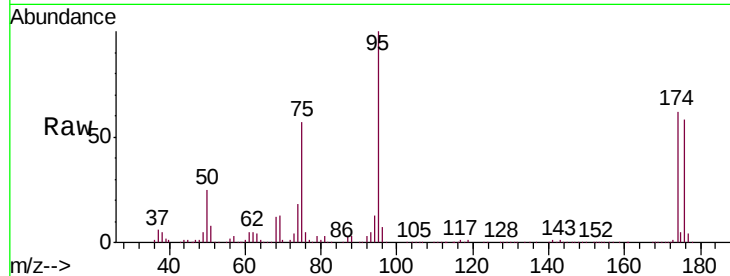




#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.313 ppbv  
 RT: 14.57 min Scan# 3619  
 Delta R.T. -0.01 min  
 Lab File: VL033292.D  
 Acq: 12 Mar 2019 21:00

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ST-IA-2

Tgt Ion: 95 Resp: 1370009  
 Ion Ratio Lower Upper  
 95 100  
 174 64.3 51.7 77.5  
 175 4.6 3.7 5.5



#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.093 ppbv  
 RT: 16.92 min Scan# 4350  
 Delta R.T. -0.01 min  
 Lab File: VL033292.D  
 Acq: 12 Mar 2019 21:00

Tgt Ion: 105 Resp: 18248  
 Ion Ratio Lower Upper  
 105 100  
 120 39.8 36.1 54.1  
 91 14.2 38.6 58.0#  
 77 13.5 18.2 27.4#

