

Data File : VL035460.D

Acq On : 19 Aug 2020 8:23

Operator : SY/AP

Sample : L3725-01

Misc : 400ml/MSVOA\_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

Quant Time: Aug 19 11:21:34 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Aug 17 19:28:30 2020

QLast Update : Mon Aug 17 19:28:30 2020

Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1122928  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 5219429  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 5228747  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 3850270  | 10.52    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.20% |

## Target Compounds

|                            | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane | 3.05  | 85   | 53951    | 0.259  | ppbv   | 97     |
| 3) Chlorodifluoromethane   | 2.99  | 51   | 1717842  | 12.201 | ppbv # | 90     |
| 4) Chloromethane           | 3.14  | 50   | 62715    | 0.855  | ppbv   | 97     |
| 7) Chloroethane            | 3.56  | 64   | 3798     | 0.118  | ppbv   | 90     |
| 9) Propene                 | 3.20  | 41   | 176650   | 3.121  | ppbv   | 87     |
| 10) Heptane                | 8.14  | 43   | 128205   | 0.864  | ppbv # | 82     |
| 11) Trichlorofluoromethane | 3.95  | 101  | 188139   | 0.576  | ppbv   | 98     |
| 13) Ethanol                | 3.61  | 45   | 315991   | 15.240 | ppbv   | 99     |
| 15) Acetone                | 3.85  | 43   | 3366585  | 26.047 | ppbv # | 78     |
| 16) 1,3-Butadiene          | 3.31  | 39   | 70800    | 1.351  | ppbv # | 26     |
| 17) tert-Butyl alcohol     | 4.30  | 59   | 349592   | 2.093  | ppbv   | 100    |
| 19) Isopropyl Alcohol      | 3.98  | 45   | 151350   | 1.699  | ppbv # | 97     |
| 20) Methylene Chloride     | 4.35  | 84   | 354146   | 3.396  | ppbv # | 61     |
| 21) Allyl Chloride         | 4.38  | 41   | 3421     | 0.052  | ppbv # | 1      |
| 23) Vinyl Acetate          | 5.07  | 43   | 127243   | 0.689  | ppbv # | 51     |
| 25) Ethyl Acetate          | 5.70  | 43   | 204930   | 0.815  | ppbv # | 82     |
| 26) Hexane                 | 5.70  | 57   | 346431   | 2.441  | ppbv # | 31     |
| 27) Carbon Disulfide       | 4.56  | 76   | 183383   | 0.894  | ppbv # | 88     |
| 29) Chloroform             | 5.76  | 83   | 5658485  | 19.842 | ppbv   | 89     |
| 30) Cyclohexane            | 7.14  | 84   | 87530    | 0.556  | ppbv # | 54     |
| 34) 2-Butanone             | 5.25  | 43   | 1007215  | 5.776  | ppbv # | 70     |
| 35) Carbon Tetrachloride   | 7.03  | 117  | 135707   | 0.489  | ppbv   | 93     |
| 36) Benzene                | 6.90  | 78   | 286003   | 0.747  | ppbv # | 87     |
| 38) Trichloroethene        | 7.85  | 130  | 6720     | 0.032  | ppbv # | 63     |
| 39) 1,2-Dichloropropane    | 7.19  | 63   | 911961   | 7.223  | ppbv # | 23     |
| 40) 1,4-Dioxane            | 7.86  | 88   | 73003    | 1.061  | ppbv # | 1      |
| 41) Tetrahydrofuran        | 6.06  | 42   | 361422   | 3.757  | ppbv # | 53     |
| 42) Bromodichloromethane   | 7.81  | 83   | 27398    | 0.094  | ppbv # | 73     |
| 44) 2,2,4-Trimethylpentane | 7.89  | 57   | 181038   | 0.362  | ppbv # | 89     |
| 50) 4-Methyl-2-Pentanone   | 8.76  | 43   | 472134   | 1.887  | ppbv # | 80     |
| 51) 2-Hexanone             | 10.16 | 43   | 63148    | 0.299  | ppbv # | 29     |
| 52) Tetrachloroethene      | 11.25 | 164  | 442425   | 1.893  | ppbv # | 86     |
| 53) Toluene                | 9.83  | 91   | 2772680  | 5.619  | ppbv   | 99     |
| 57) Chlorobenzene          | 12.17 | 112  | 118667   | 0.272  | ppbv # | 69     |
| 58) Ethyl Benzene          | 12.73 | 91   | 976043   | 1.546  | ppbv   | 94     |
| 59) m/p-Xylene             | 12.99 | 91   | 2327410  | 4.362  | ppbv # | 83     |
| 60) o-Xylene               | 13.72 | 91   | 1269433  | 2.448  | ppbv   | 88     |
| 61) Styrene                | 13.55 | 104  | 107867   | 0.257  | ppbv # | 89     |
| 62) Isopropylbenzene       | 14.69 | 105  | 1067940  | 1.257  | ppbv   | 94     |
| 64) n-propylbenzene        | 15.59 | 120  | 724310   | 2.765  | ppbv # | 63     |
| 65) tert-Butylbenzene      | 16.80 | 119  | 623703   | 0.755  | ppbv # | 90     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081820\  
Quantitation Report (Not Reviewed)

Data File : VL035460.D  
Acq On : 19 Aug 2020 8:23  
Operator : SY/AP  
Sample : L3725-01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-02

Quant Time: Aug 19 11:21:34 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081720AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Aug 17 19:28:30 2020  
QLast Update : Mon Aug 17 19:28:30 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|-------|------|----------|-------|--------|----------|
| 66) Benzyl Chloride        | 17.25 | 91   | 113109   | 0.569 | ppbv # | 71       |
| 67) sec-Butylbenzene       | 17.33 | 105  | 198421   | 0.183 | ppbv   | 93       |
| 69) p-Isopropyltoluene     | 17.69 | 119  | 2240066  | 2.323 | ppbv # | 89       |
| 70) n-Butylbenzene         | 18.59 | 91   | 428553   | 0.470 | ppbv # | 32       |
| 71) 2-Chlorotoluene        | 15.35 | 91   | 638833   | 1.036 | ppbv # | 47       |
| 72) 4-Ethyltoluene         | 15.87 | 105  | 3303403  | 4.854 | ppbv # | 92       |
| 73) 1,3,5-Trimethylbenzene | 16.03 | 105  | 2283784  | 3.607 | ppbv   | 89       |
| 74) 1,2,4-Trimethylbenzene | 16.79 | 105  | 4824277  | 7.012 | ppbv # | 70       |
| 76) 1,4-Dichlorobenzene    | 17.17 | 146  | 180088   | 0.344 | ppbv   | 96       |
| 79) Naphthalene            | 22.25 | 128  | 1019248  | 1.052 | ppbv   | 97       |
| 80) Naphthalene,2-methyl-  | 25.00 | 142  | 359455   | 0.898 | ppbv   | 96       |

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

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Misc : 400mL/MSVOA\_L

ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
MSVOA\_L  
**ClientSampleId :**  
SS-02

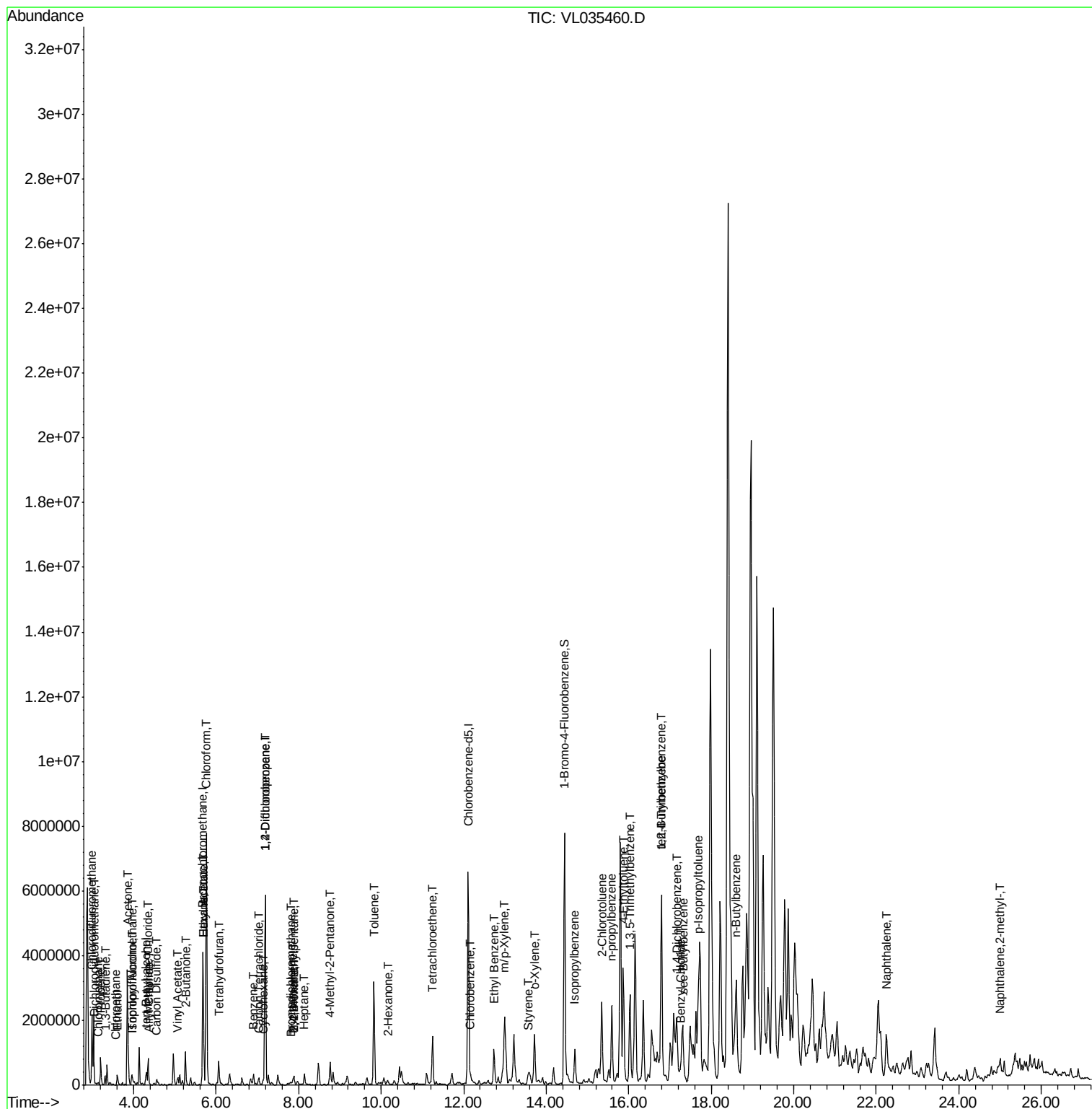
Quant Time: Aug 19 11:21:34 2020

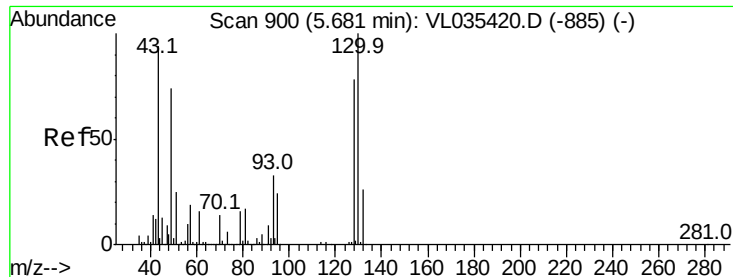
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Mon Aug 17 19:28:30 2020

QLast Update : Mon Aug 17 19:28:30 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

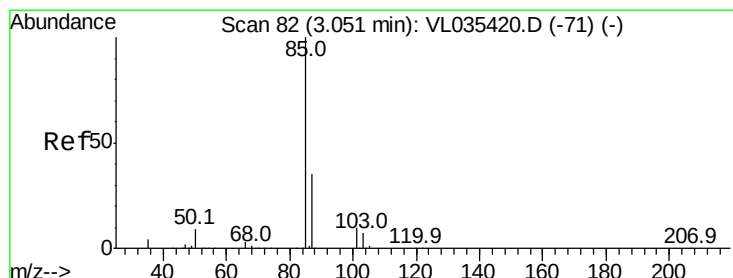
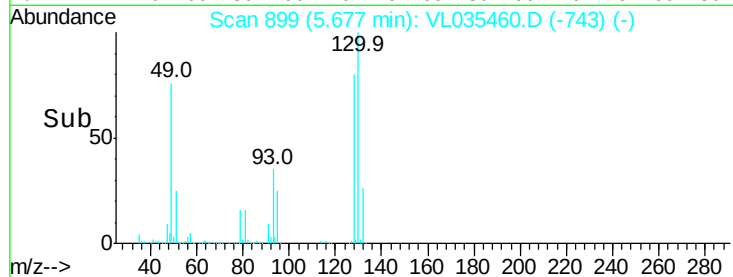
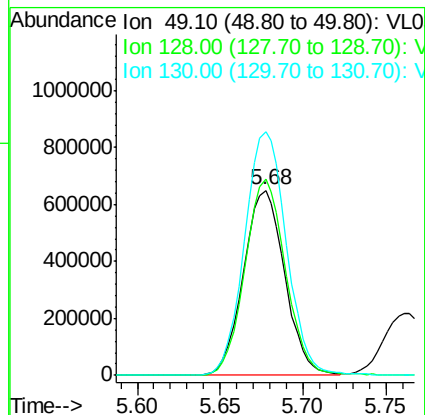
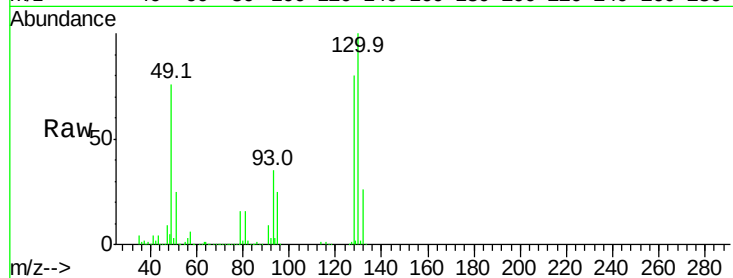
Tgt Ion: 49 Resp: 1122928

Ion Ratio Lower Upper

49 100

128 105.2 20.9 62.7#

130 134.6 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 0.259 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035460.D

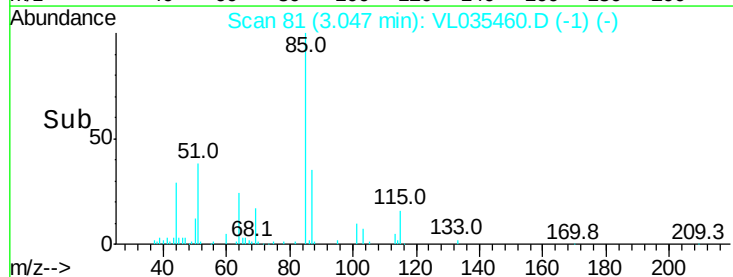
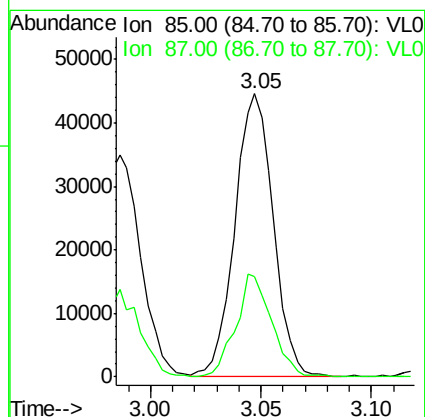
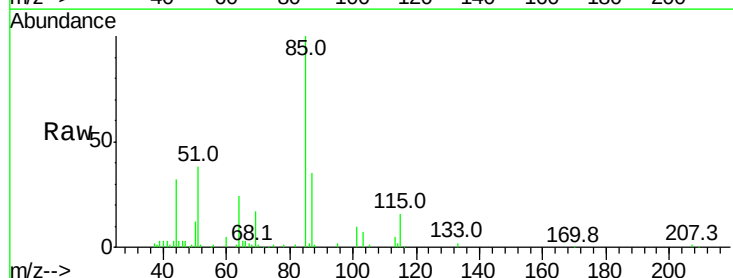
Acq: 19 Aug 2020 8:23

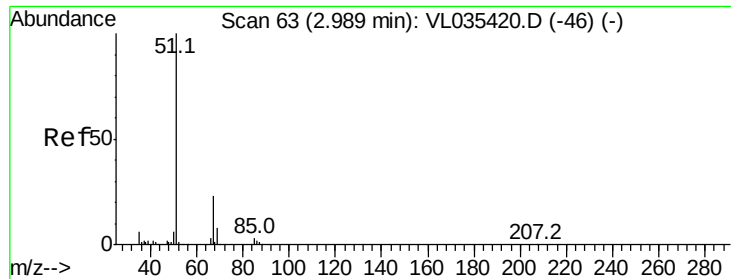
Tgt Ion: 85 Resp: 53951

Ion Ratio Lower Upper

85 100

87 35.5 27.1 40.7





#3

Chlorodifluoromethane

Concen: 12.201 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

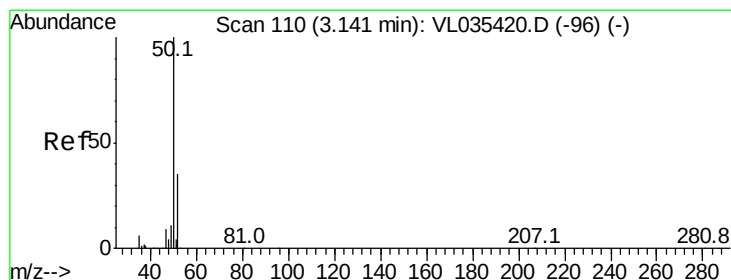
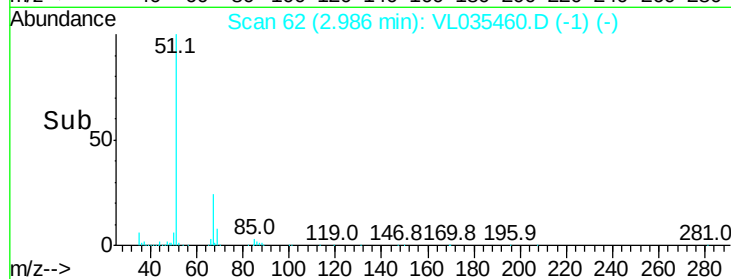
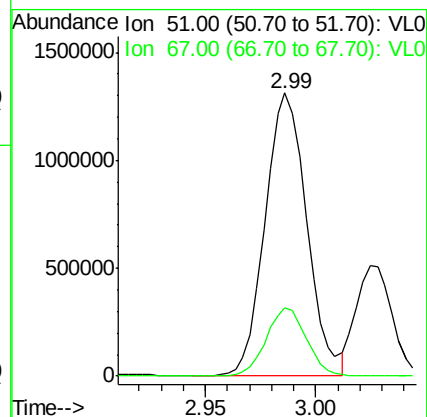
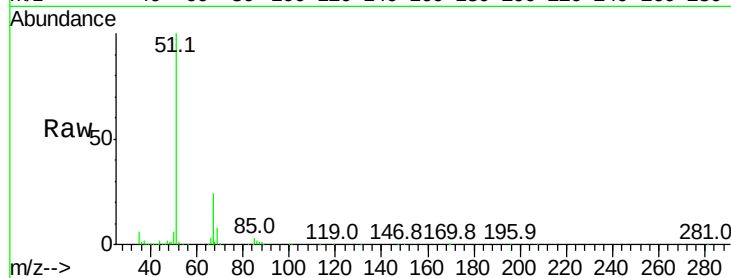
SS-02

Tgt Ion: 51 Resp: 1717842

Ion Ratio Lower Upper

51 100

67 23.2 15.0 22.6#



#4

Chloromethane

Concen: 0.855 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035460.D

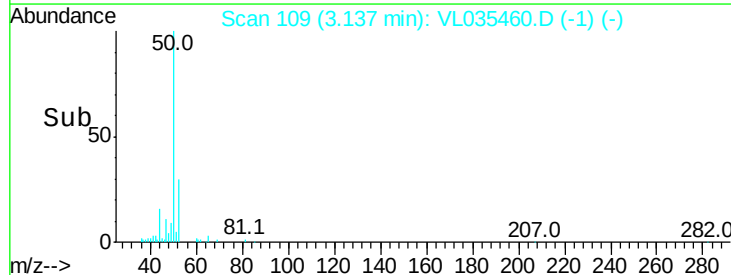
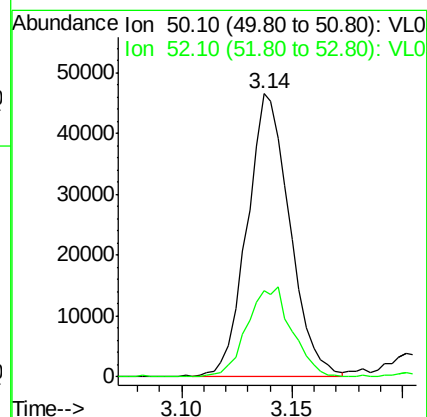
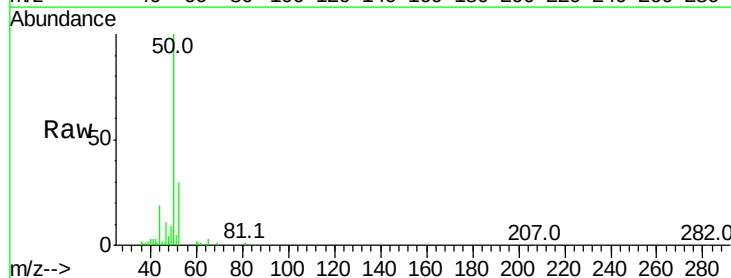
Acq: 19 Aug 2020 8:23

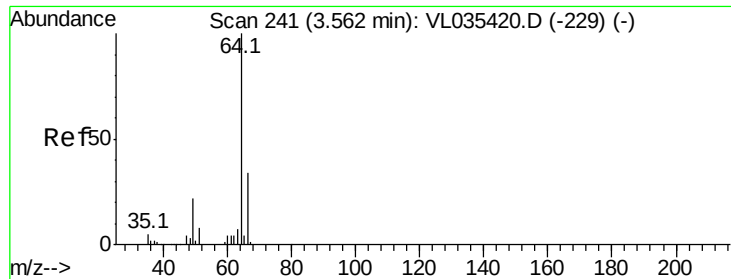
Tgt Ion: 50 Resp: 62715

Ion Ratio Lower Upper

50 100

52 30.5 25.9 38.9





#7

Chloroethane

Concen: 0.118 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

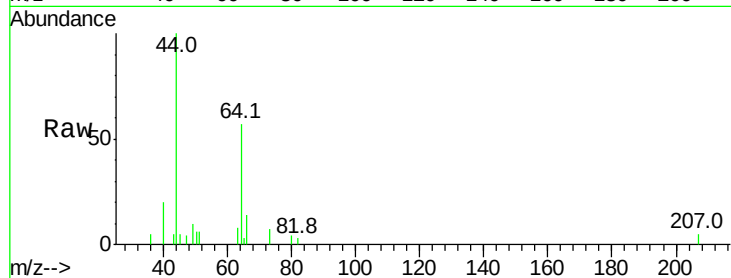
SS-02

Tgt Ion: 64 Resp: 3798

Ion Ratio Lower Upper

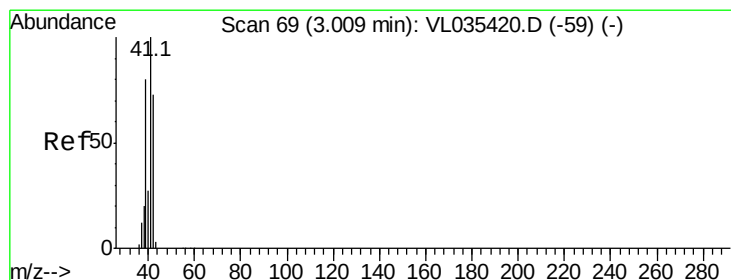
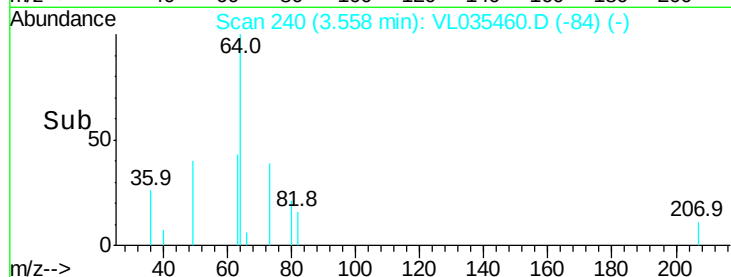
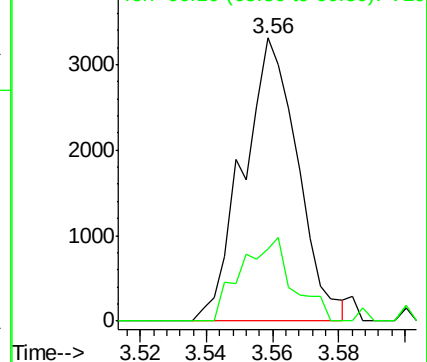
64 100

66 25.4 24.5 36.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 3.121 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.20 min

Lab File: VL035460.D

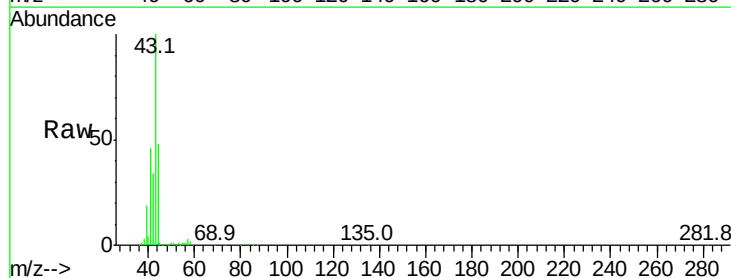
Acq: 19 Aug 2020 8:23

Tgt Ion: 41 Resp: 176650

Ion Ratio Lower Upper

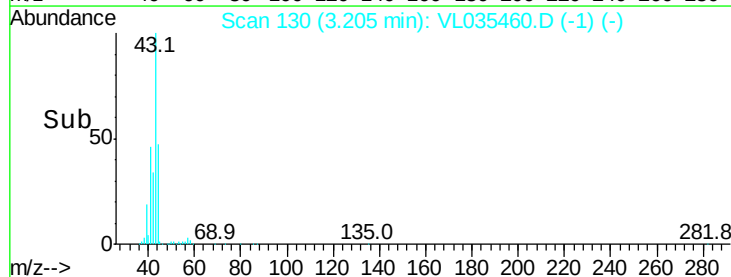
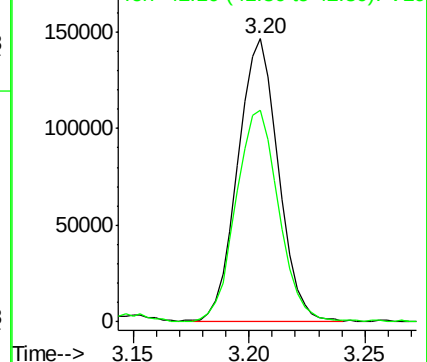
41 100

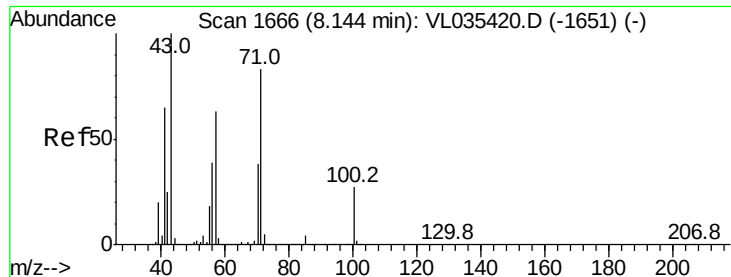
42 80.1 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.864 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampled :

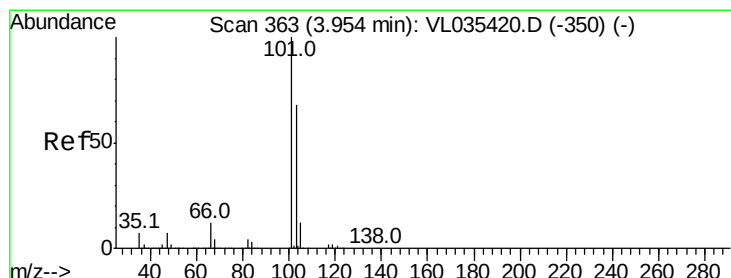
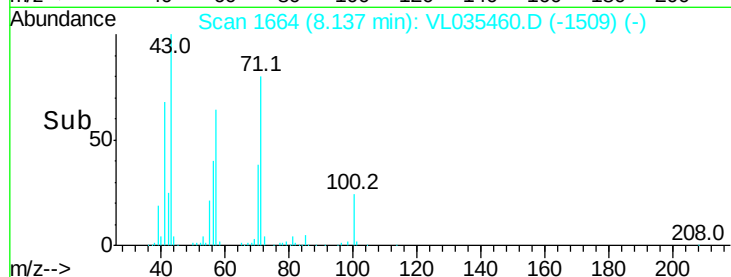
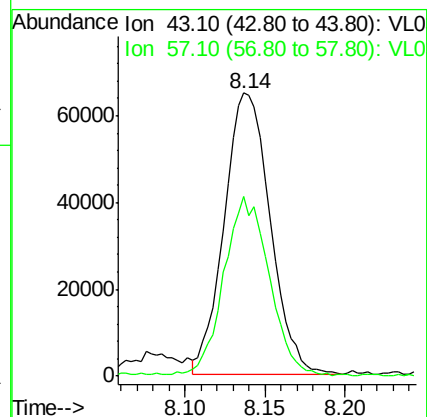
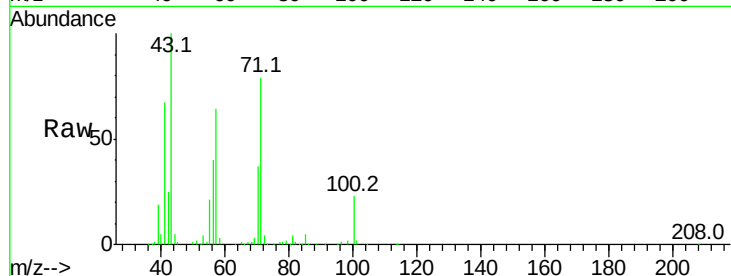
SS-02

Tgt Ion: 43 Resp: 128205

Ion Ratio Lower Upper

43 100

57 62.3 39.8 59.6#



#11

Trichlorofluoromethane

Concen: 0.576 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL035460.D

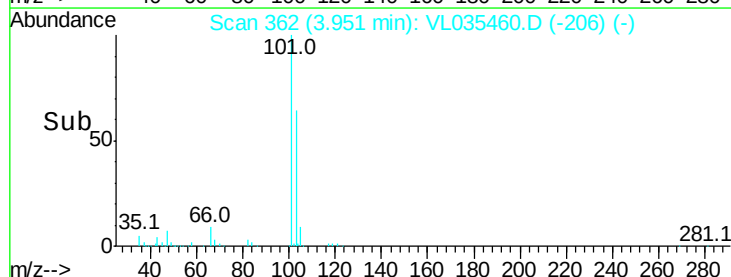
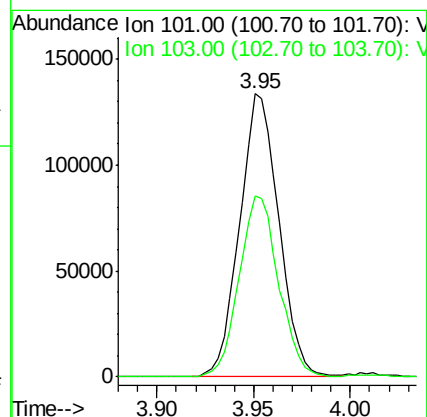
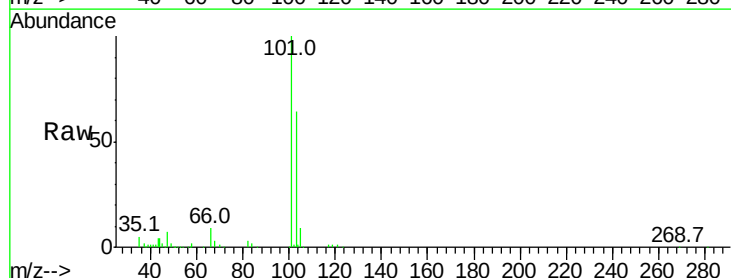
Acq: 19 Aug 2020 8:23

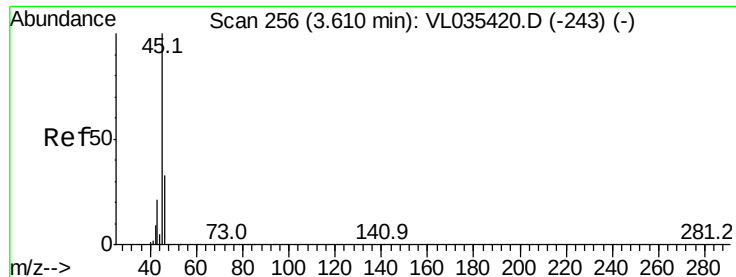
Tgt Ion: 101 Resp: 188139

Ion Ratio Lower Upper

101 100

103 63.8 52.6 78.8





#13

Ethanol

Concen: 15.240 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

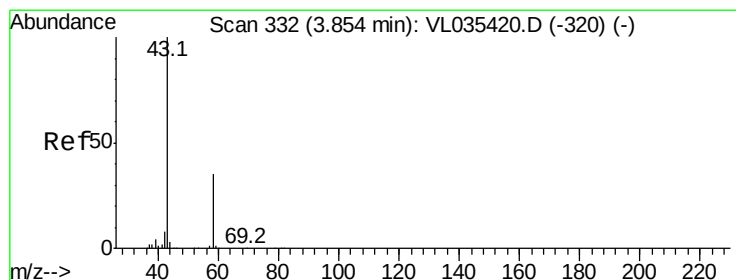
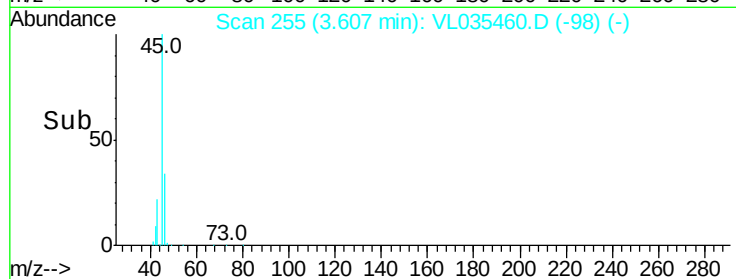
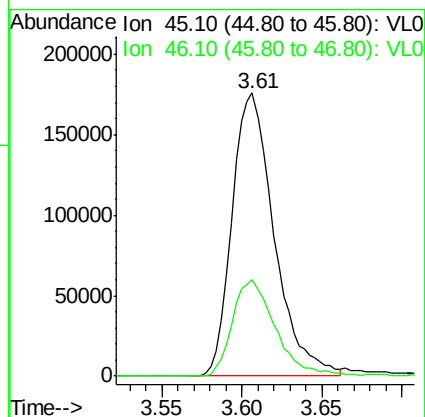
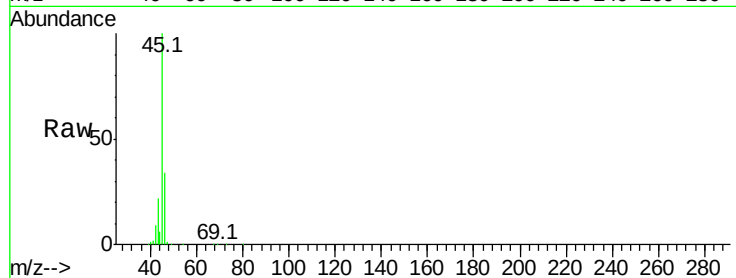
SS-02

Tgt Ion: 45 Resp: 315991

Ion Ratio Lower Upper

45 100

46 35.1 14.2 56.6



#15

Acetone

Concen: 26.047 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035460.D

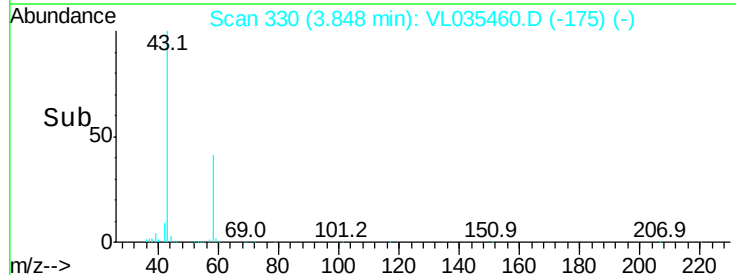
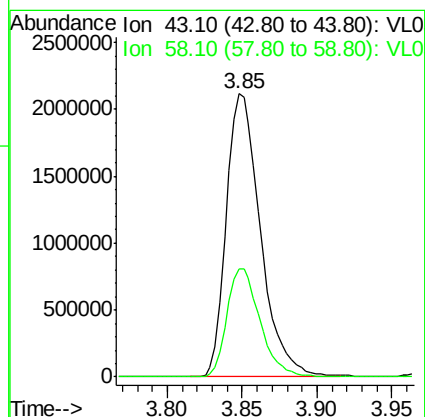
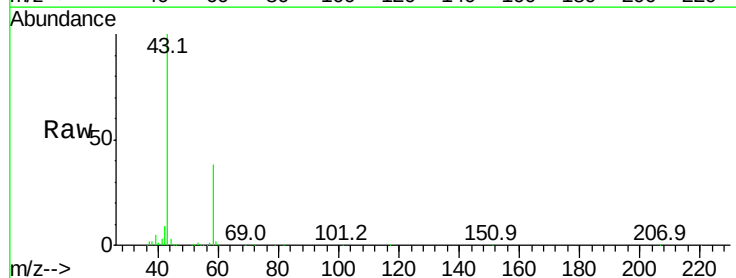
Acq: 19 Aug 2020 8:23

Tgt Ion: 43 Resp: 3366585

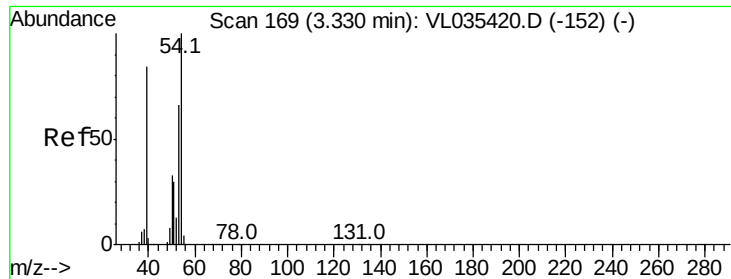
Ion Ratio Lower Upper

43 100

58 37.3 21.0 31.6#



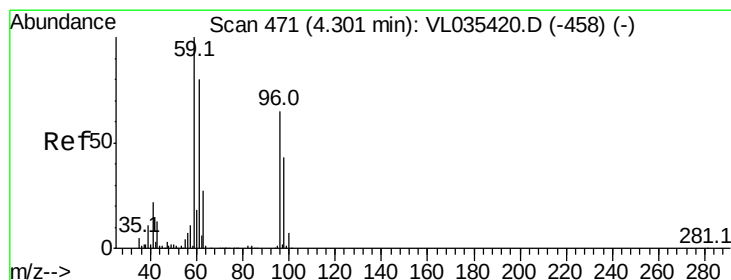
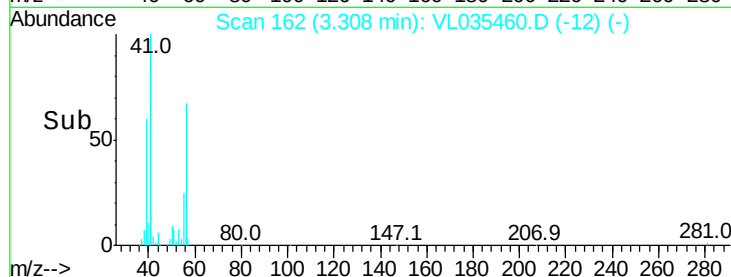
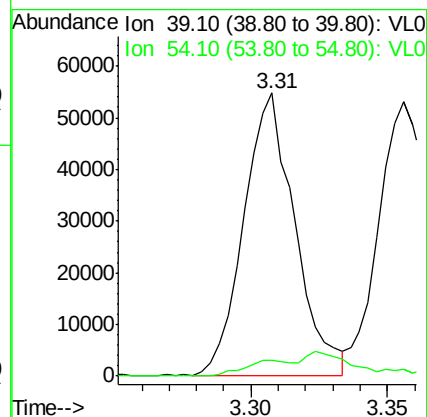
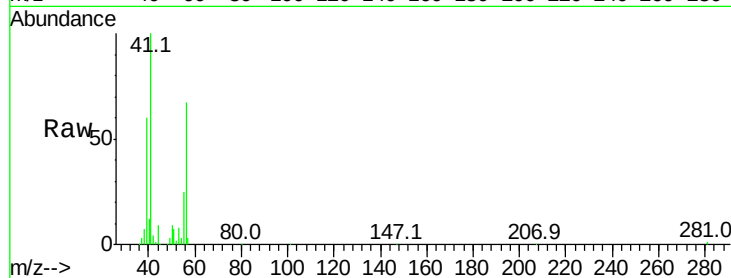




#16  
 1,3-Butadiene  
 Concen: 1.351 ppbv  
 RT: 3.31 min Scan# 162  
 Delta R.T. -0.02 min  
 Lab File: VL035460.D  
 Acq: 19 Aug 2020 8:23

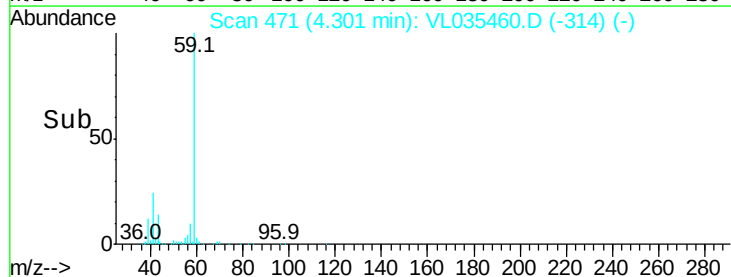
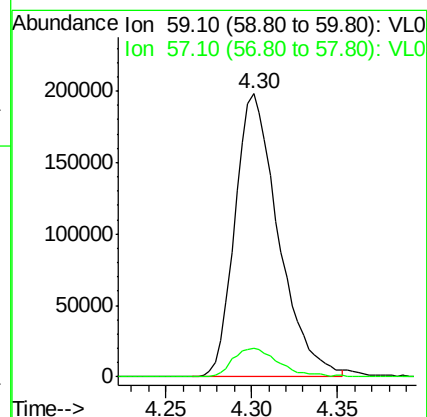
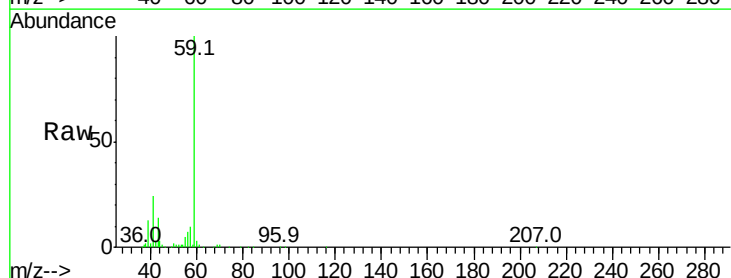
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-02

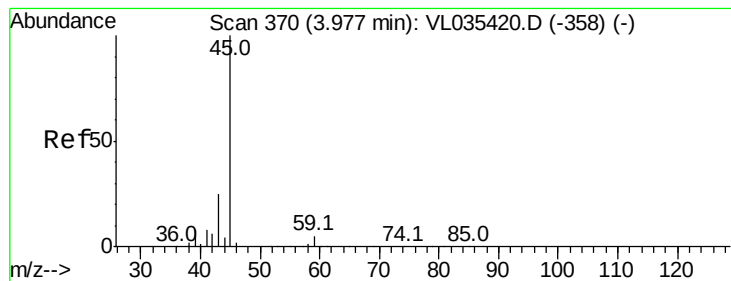
Tgt Ion: 39 Resp: 70800  
 Ion Ratio Lower Upper  
 39 100  
 54 14.6 64.4 96.6#



#17  
 tert-Butyl alcohol  
 Concen: 2.093 ppbv  
 RT: 4.30 min Scan# 471  
 Delta R.T. 0.01 min  
 Lab File: VL035460.D  
 Acq: 19 Aug 2020 8:23

Tgt Ion: 59 Resp: 349592  
 Ion Ratio Lower Upper  
 59 100  
 57 11.0 8.9 13.3





#19

Isopropyl Alcohol

Concen: 1.699 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

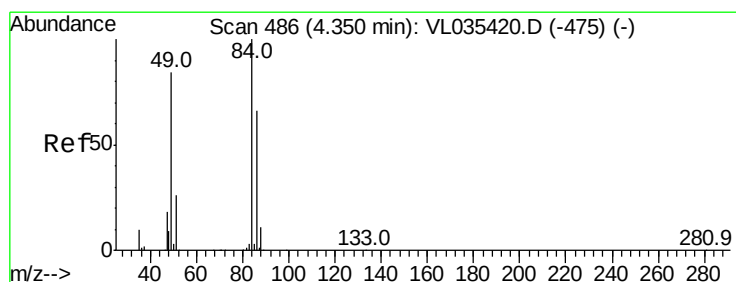
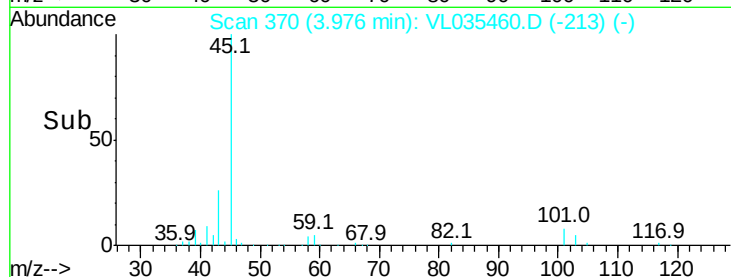
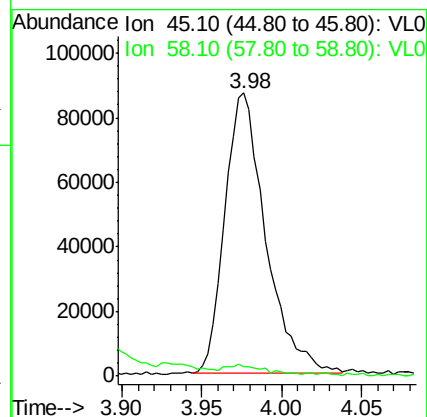
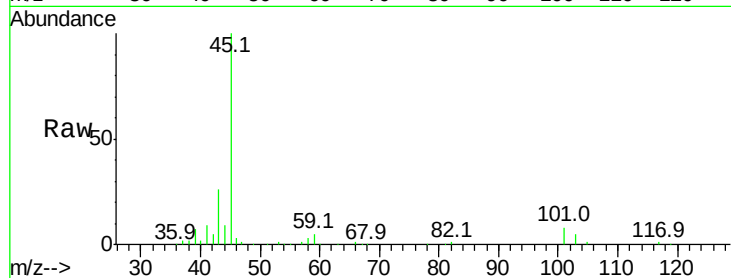
SS-02

Tgt Ion: 45 Resp: 151350

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



#20

Methylene Chloride

Concen: 3.396 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion: 84 Resp: 354146

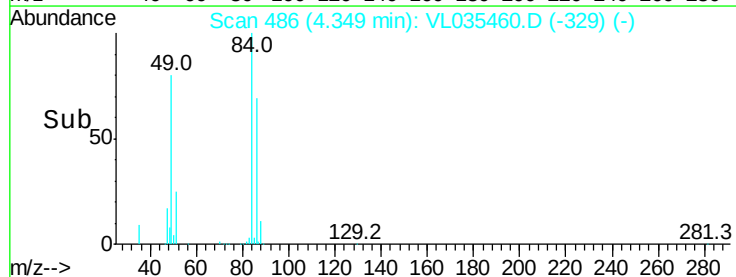
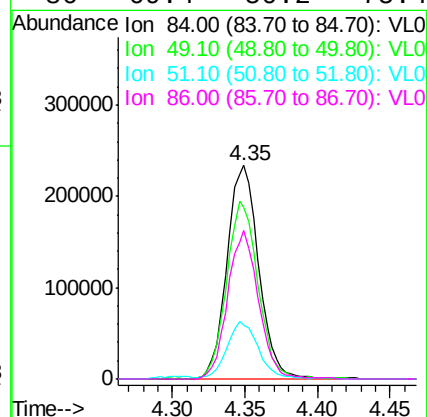
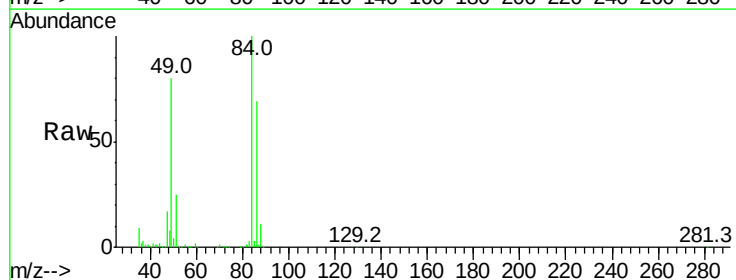
Ion Ratio Lower Upper

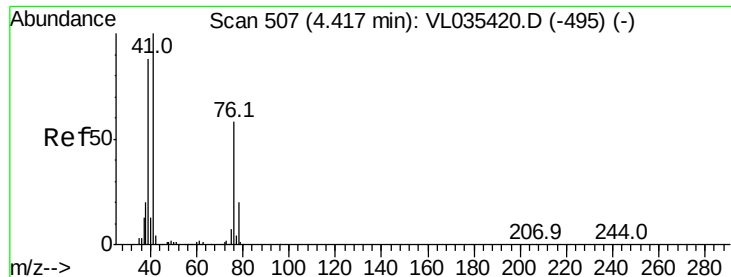
84 100

49 79.9 118.6 177.8#

51 25.2 36.4 54.6#

86 69.4 50.2 75.4





#21

Allyl Chloride

Concen: 0.052 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

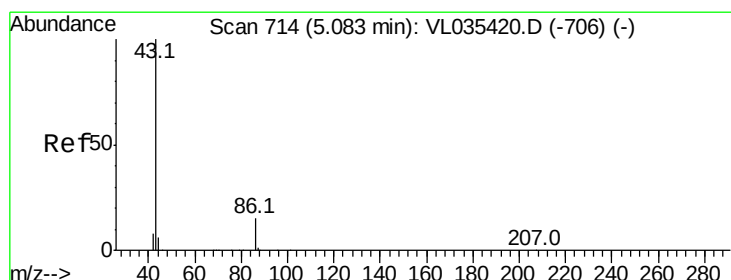
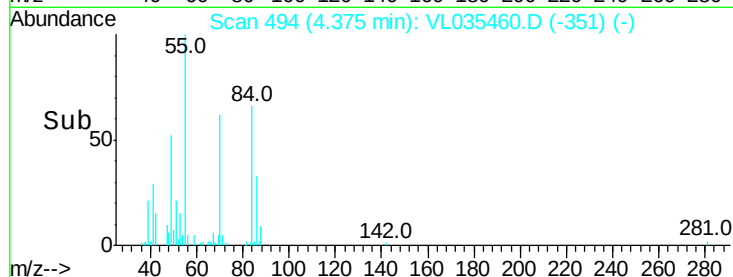
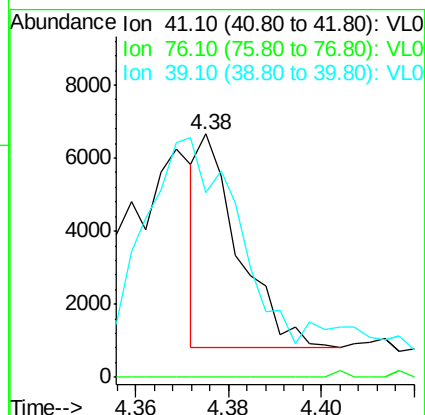
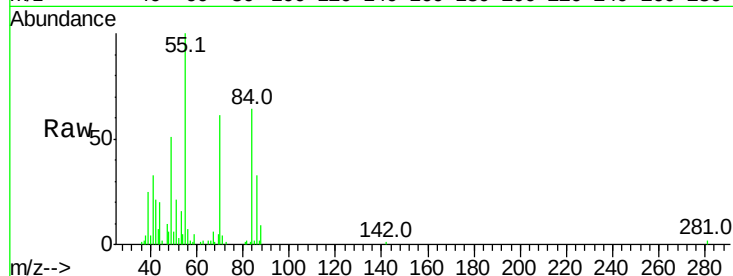
Tgt Ion: 41 Resp: 3421

Ion Ratio Lower Upper

41 100

76 0.0 22.8 34.2#

39 329.3 66.2 99.2#



#23

Vinyl Acetate

Concen: 0.689 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion: 43 Resp: 127243

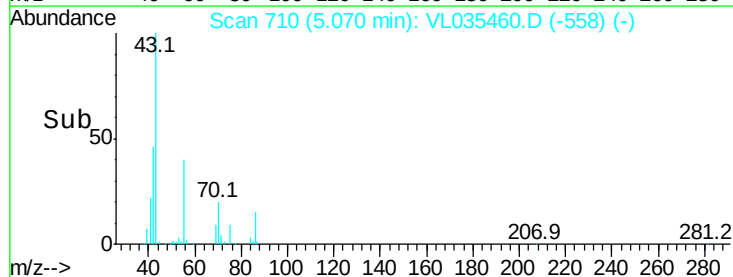
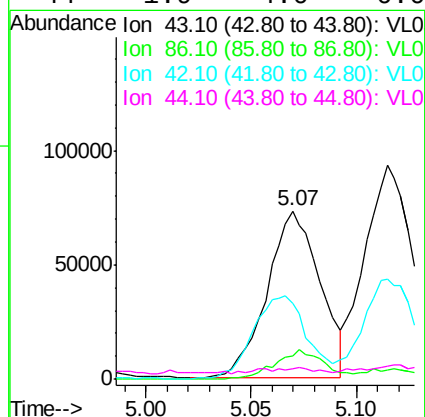
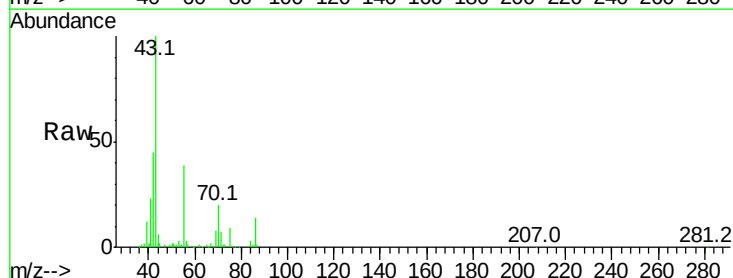
Ion Ratio Lower Upper

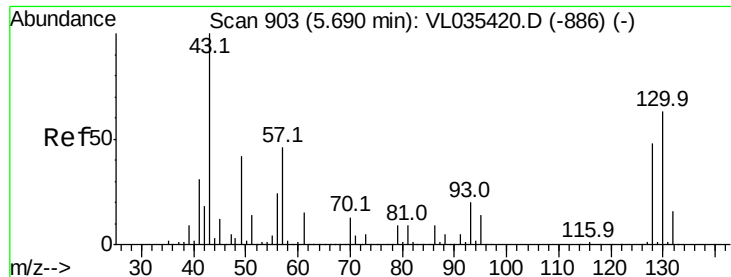
43 100

86 14.2 6.5 9.7#

42 45.3 8.3 12.5#

44 1.9 4.0 6.0#





#25

Ethyl Acetate

Concen: 0.815 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

Tgt Ion: 43 Resp: 204930

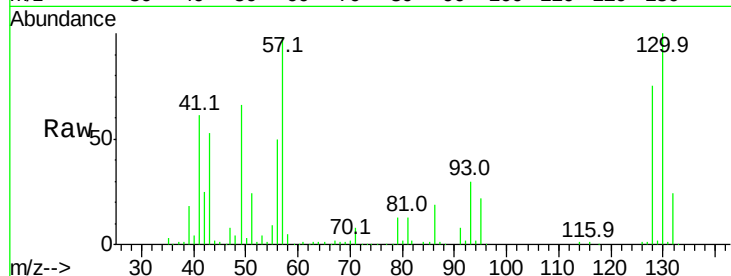
Ion Ratio Lower Upper

43 100

45 2.2 8.3 12.5#

61 2.1 7.6 11.4#

70 3.6 6.0 9.0#

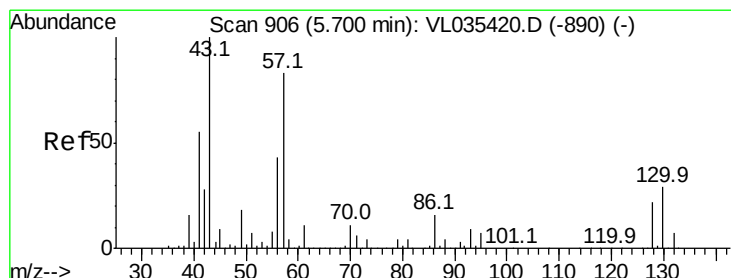
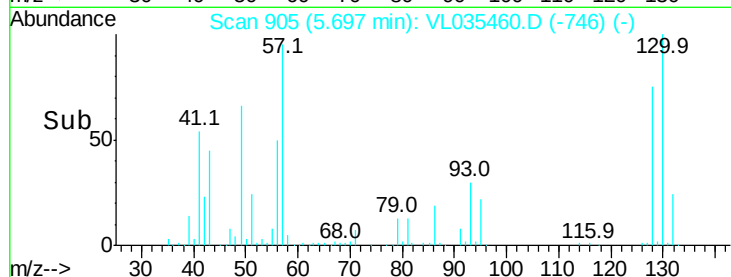
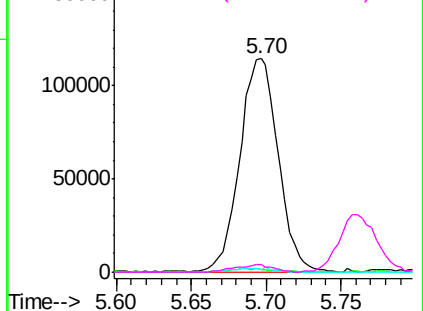


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.441 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion: 57 Resp: 346431

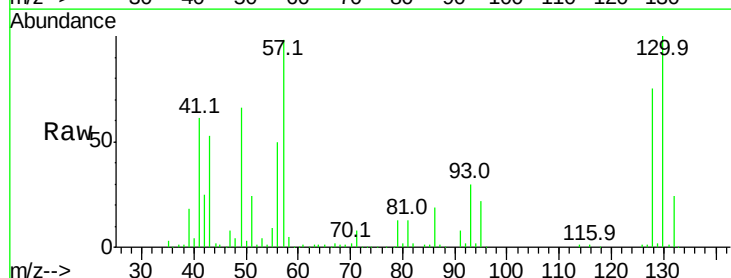
Ion Ratio Lower Upper

57 100

41 66.4 75.5 113.3#

43 59.4 181.7 272.5#

56 52.2 42.4 63.6

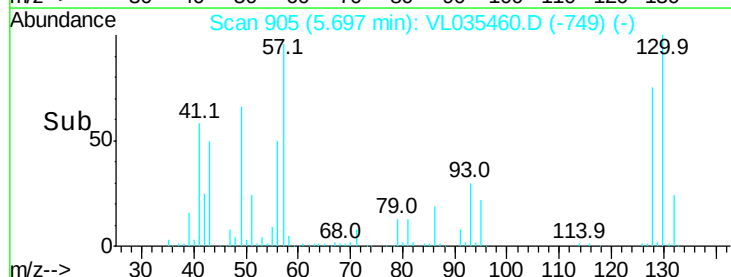
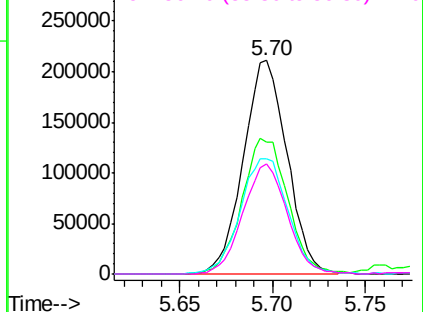


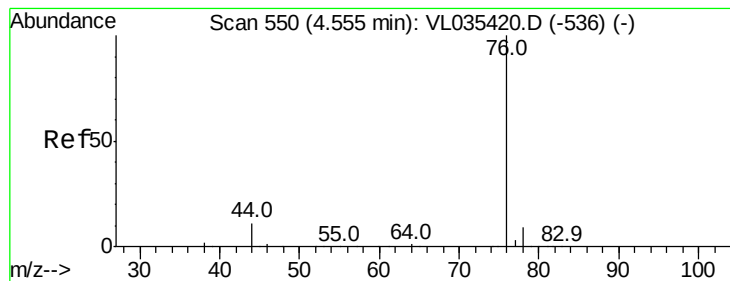
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.894 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

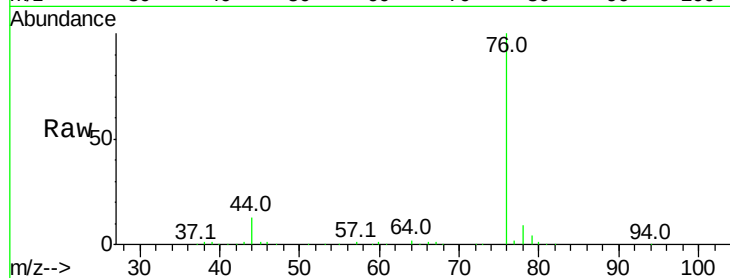
Tgt Ion: 76 Resp: 183383

Ion Ratio Lower Upper

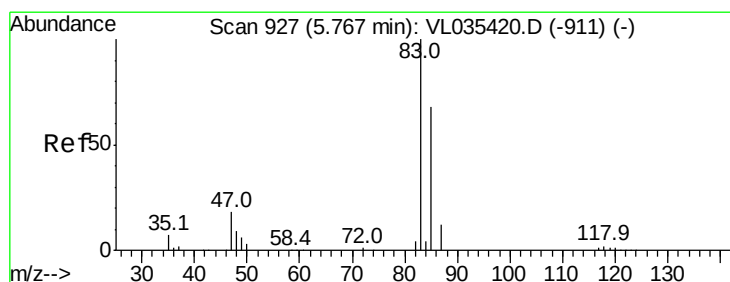
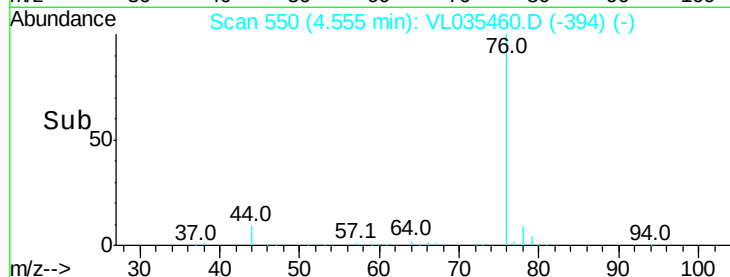
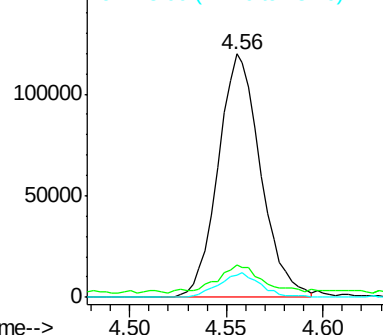
76 100

44 13.4 16.8 25.2#

78 10.5 7.3 10.9



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: 19.842 ppbv

RT: 5.76 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL035460.D

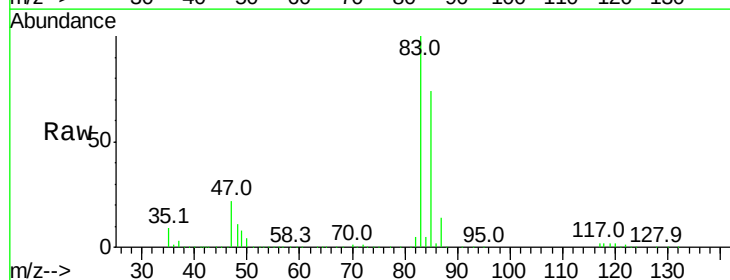
Acq: 19 Aug 2020 8:23

Tgt Ion: 83 Resp: 5658485

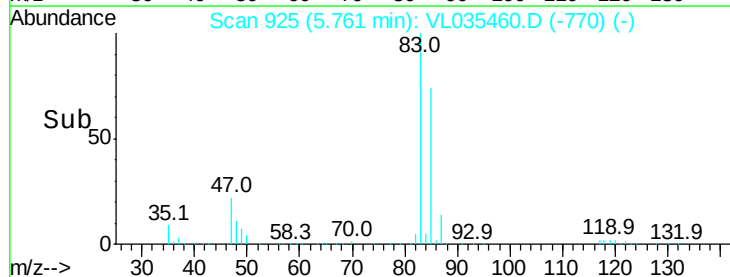
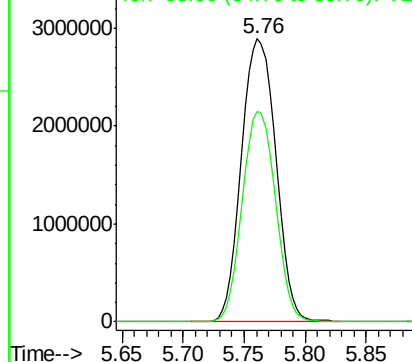
Ion Ratio Lower Upper

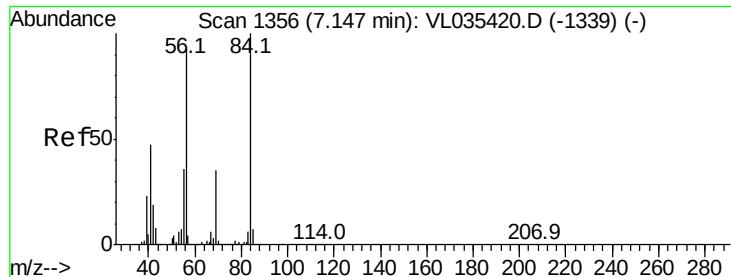
83 100

85 74.4 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VL0  
Ion 85.00 (84.70 to 85.70): VL0

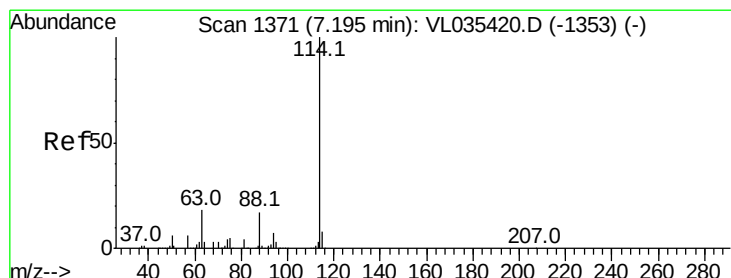
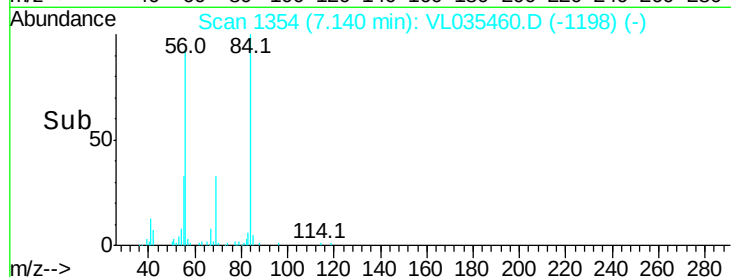
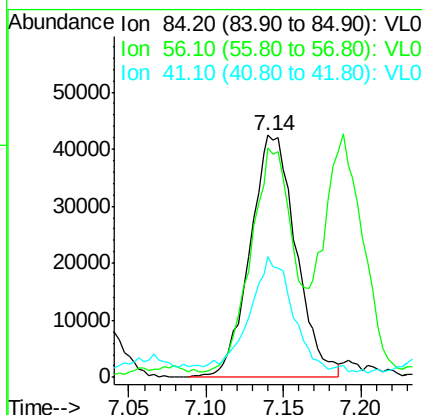
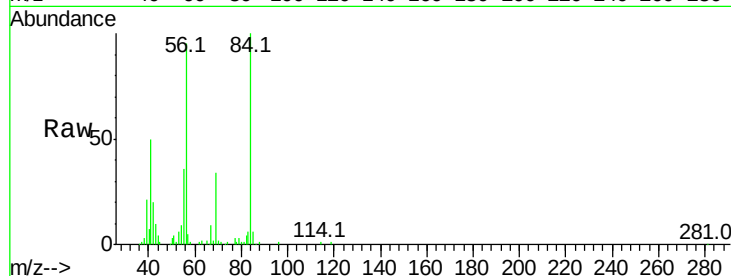




#30  
Cyclohexane  
Concen: 0.556 ppbv  
RT: 7.14 min Scan# 1354  
Delta R.T. 0.00 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

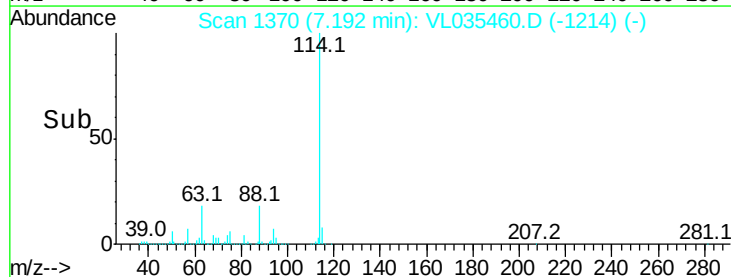
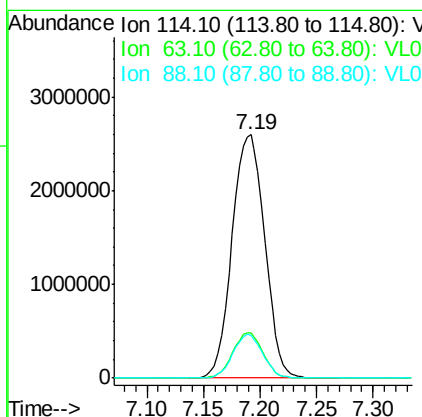
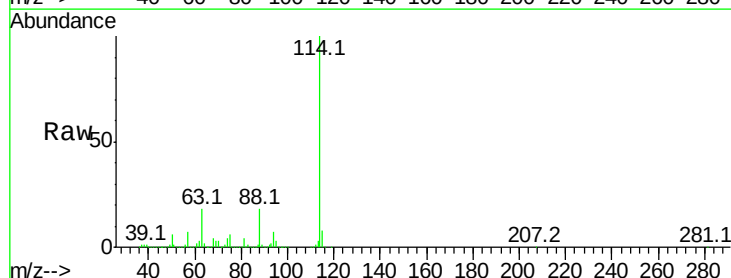
Instrument :  
MSVOA\_L  
ClientSampled :  
SS-02

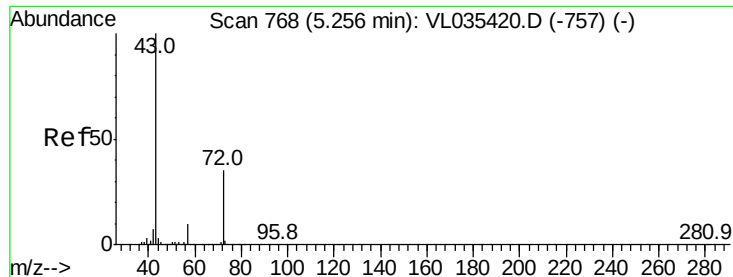
Tgt Ion: 84 Resp: 87530  
Ion Ratio Lower Upper  
84 100  
56 85.4 114.9 172.3#  
41 49.2 72.3 108.5#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.19 min Scan# 1370  
Delta R.T. 0.00 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

Tgt Ion: 114 Resp: 5219429  
Ion Ratio Lower Upper  
114 100  
63 17.6 23.1 34.7#  
88 16.6 15.9 23.9





#34

2-Butanone

Concen: 5.776 ppbv

RT: 5.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

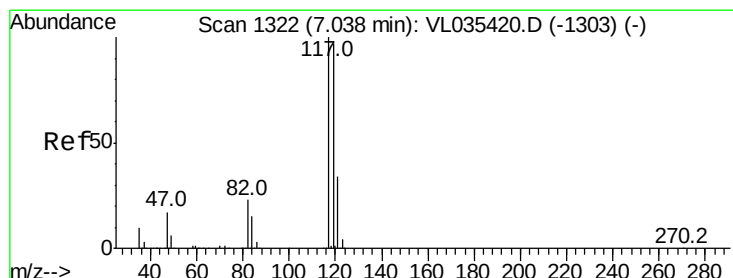
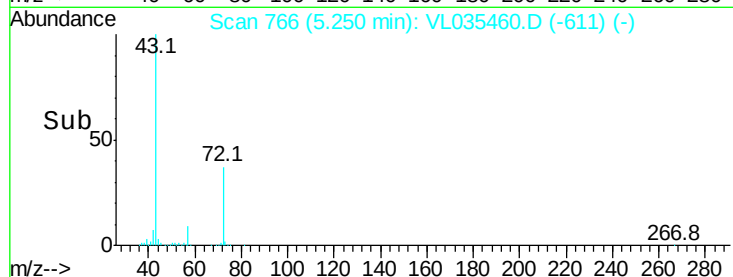
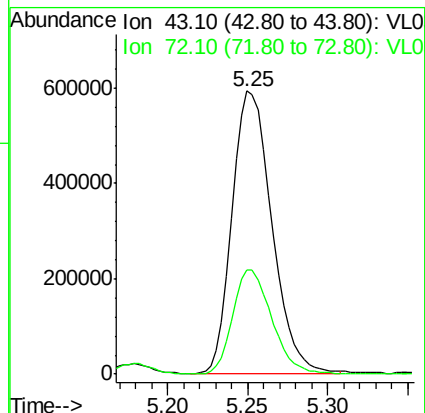
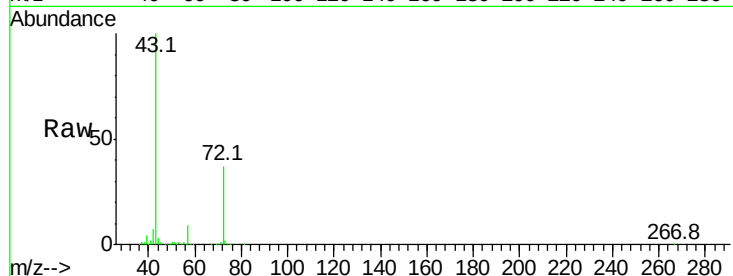
SS-02

Tgt Ion: 43 Resp: 1007215

Ion Ratio Lower Upper

43 100

72 36.2 17.6 26.4#



#35

Carbon Tetrachloride

Concen: 0.489 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

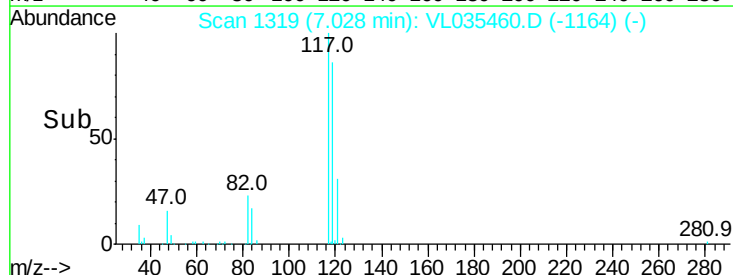
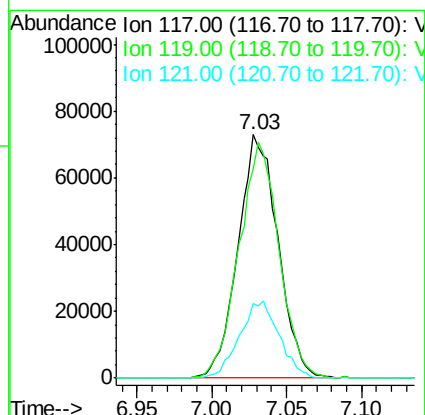
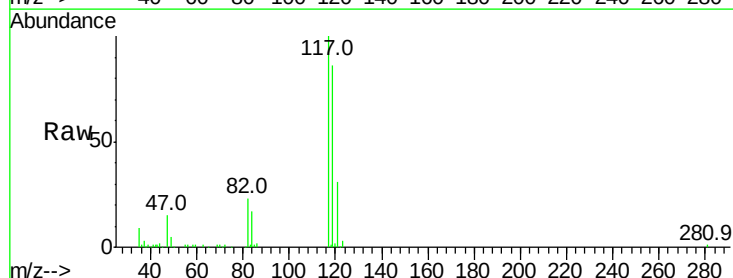
Tgt Ion: 117 Resp: 135707

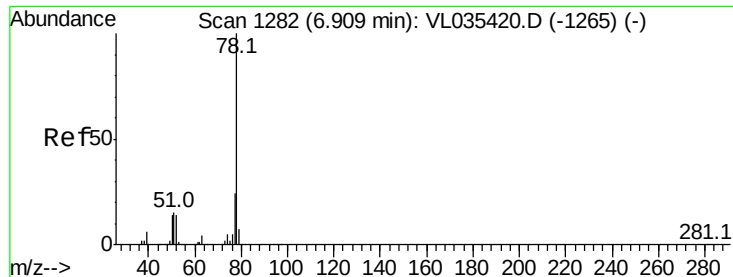
Ion Ratio Lower Upper

117 100

119 86.1 76.1 114.1

121 30.8 25.5 38.3





#36

Benzene

Concen: 0.747 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

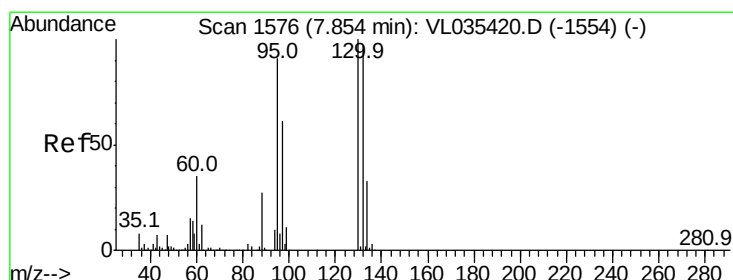
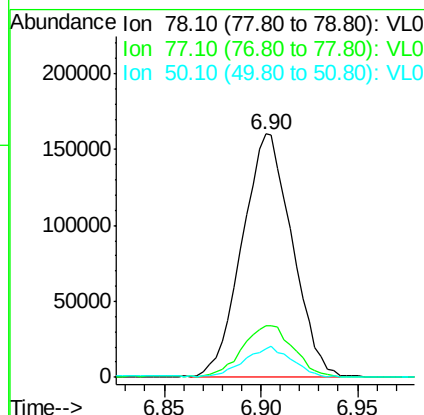
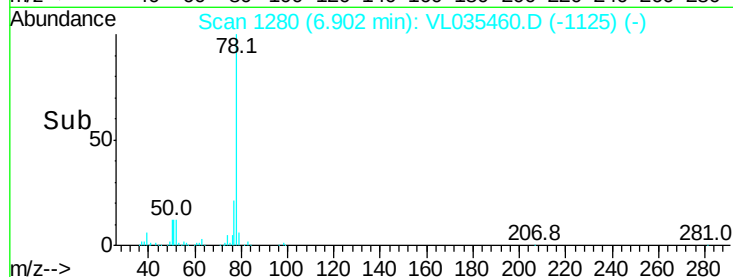
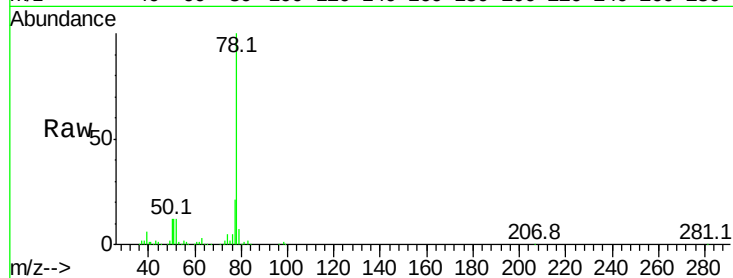
Tgt Ion: 78 Resp: 286003

Ion Ratio Lower Upper

78 100

77 20.7 19.6 29.4

50 11.5 16.3 24.5#



#38

Trichloroethene

Concen: 0.032 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion: 130 Resp: 6720

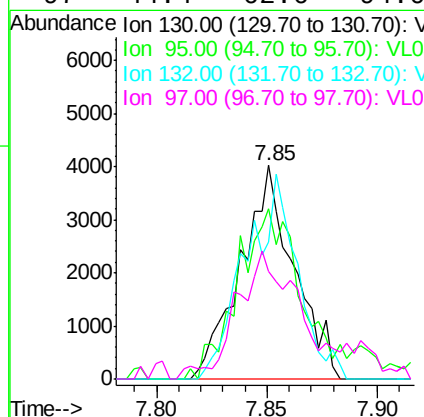
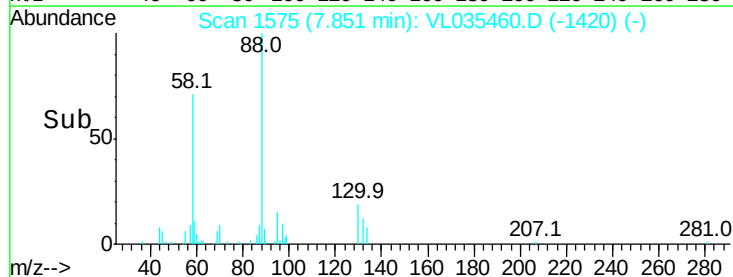
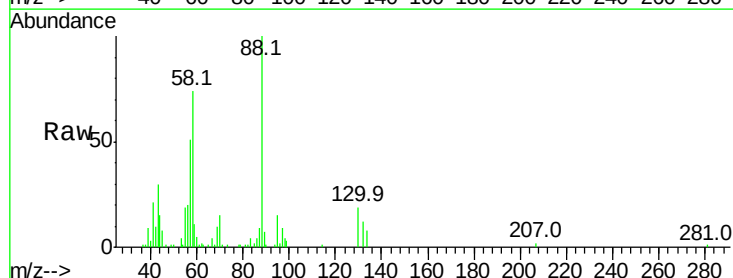
Ion Ratio Lower Upper

130 100

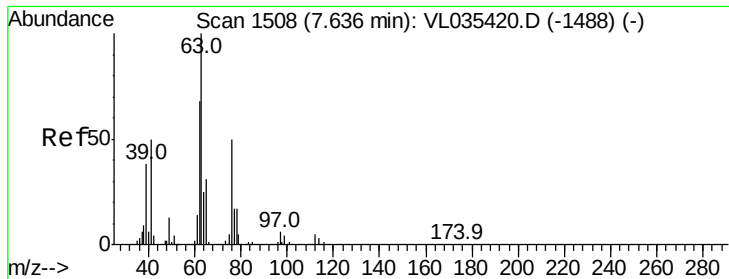
95 74.9 95.8 143.8#

132 64.0 74.3 111.5#

97 44.4 62.6 94.0#



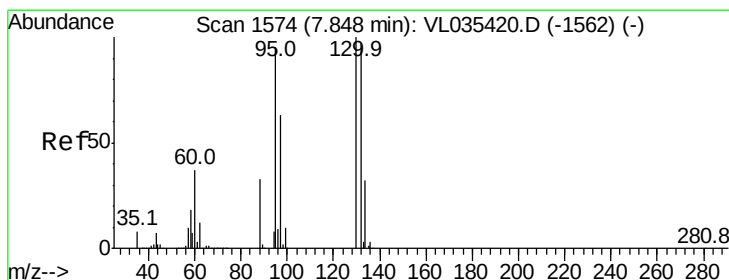
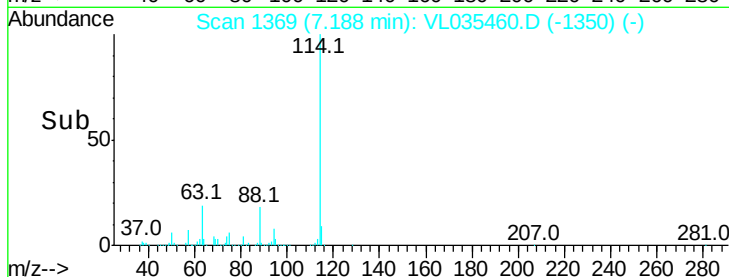
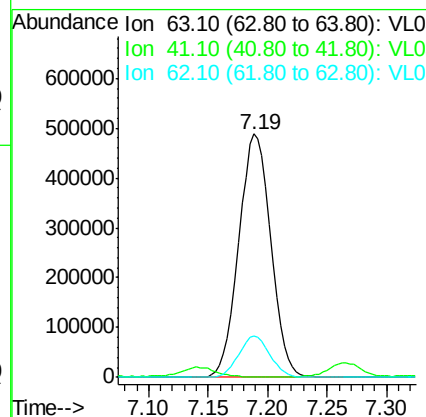
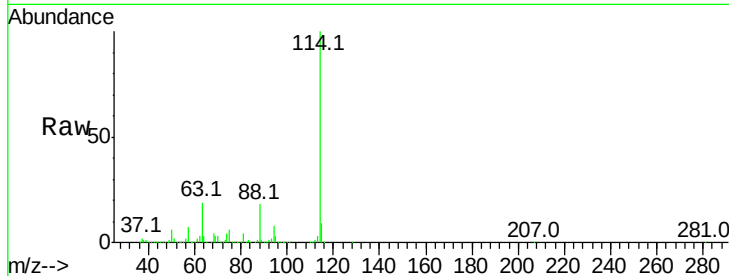




#39  
 1,2-Dichloropropane  
 Concen: 7.223 ppbv  
 RT: 7.19 min Scan# 1369  
 Delta R.T. -0.44 min  
 Lab File: VL035460.D  
 Acq: 19 Aug 2020 8:23

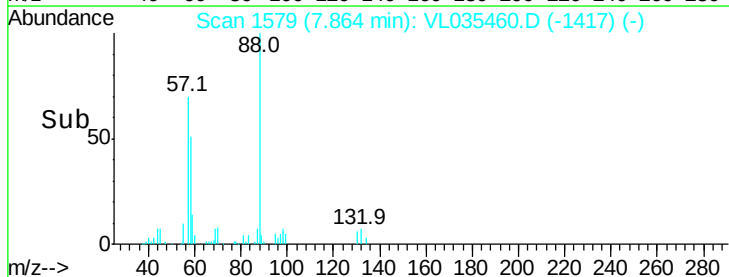
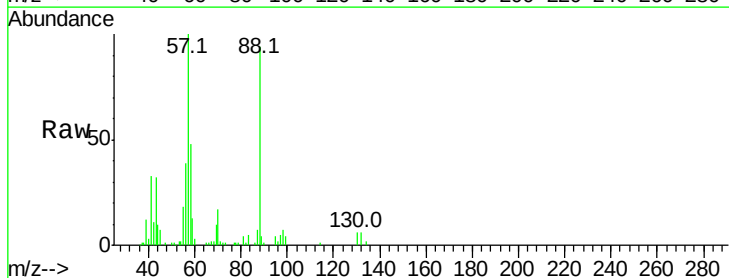
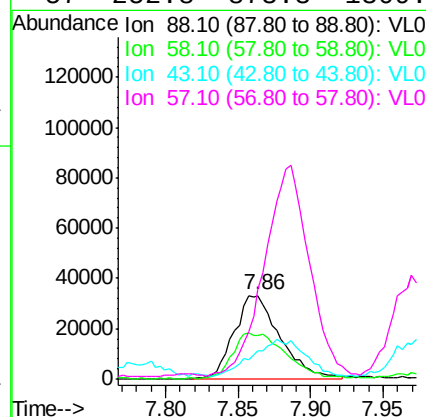
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-02

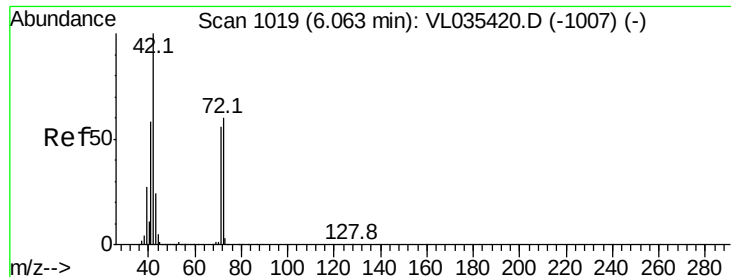
Tgt Ion: 63 Resp: 911961  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 61.1 91.7#  
 62 17.1 55.3 82.9#



#40  
 1,4-Dioxane  
 Concen: 1.061 ppbv  
 RT: 7.86 min Scan# 1579  
 Delta R.T. 0.02 min  
 Lab File: VL035460.D  
 Acq: 19 Aug 2020 8:23

Tgt Ion: 88 Resp: 73003  
 Ion Ratio Lower Upper  
 88 100  
 58 64.8 106.6 160.0#  
 43 55.7 209.7 314.5#  
 57 252.8 873.3 1309.9#





#41

Tetrahydrofuran

Concen: 3.757 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampled :

SS-02

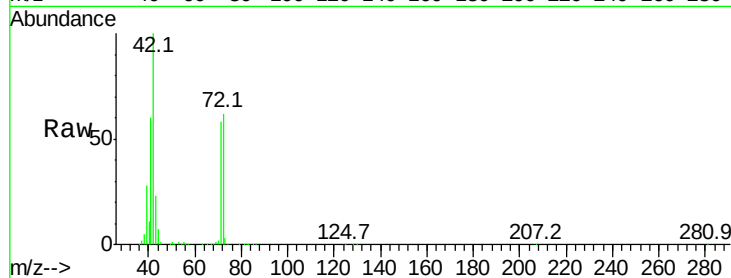
Tgt Ion: 42 Resp: 361422

Ion Ratio Lower Upper

42 100

72 66.0 29.4 44.2#

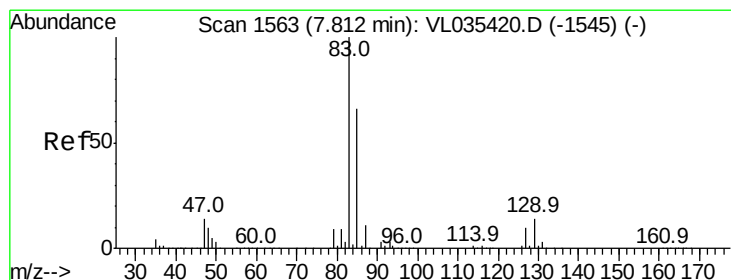
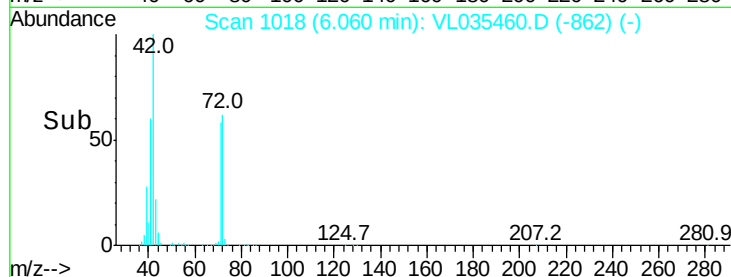
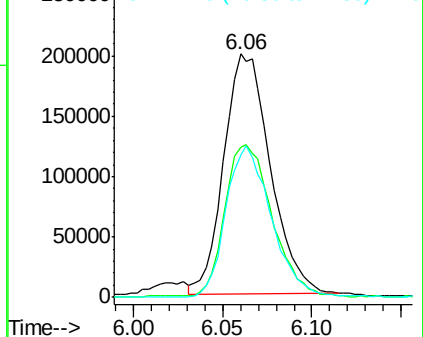
71 62.3 28.9 43.3#



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



#42

Bromodichloromethane

Concen: 0.094 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

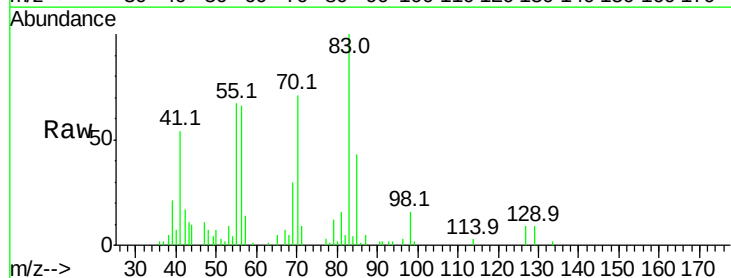
Tgt Ion: 83 Resp: 27398

Ion Ratio Lower Upper

83 100

85 44.3 54.8 82.2#

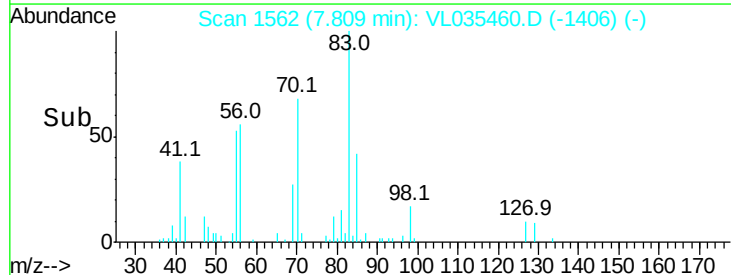
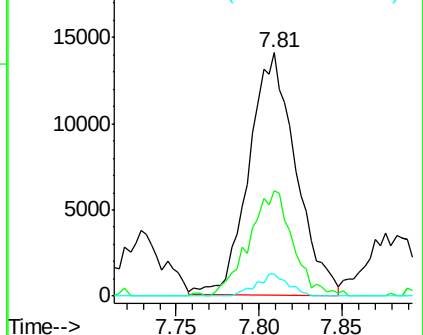
127 9.5 6.1 9.1#

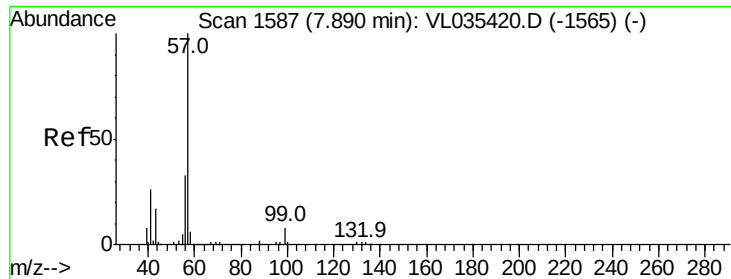


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

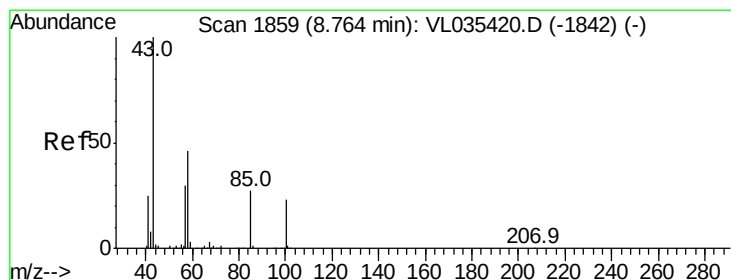
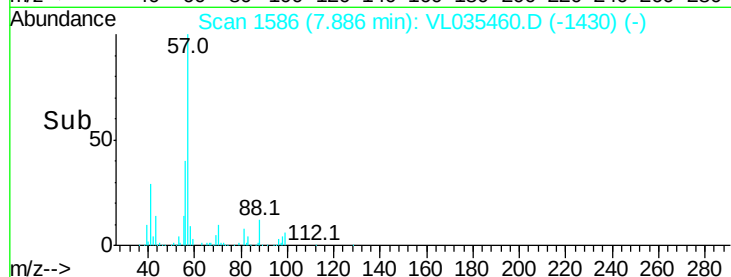
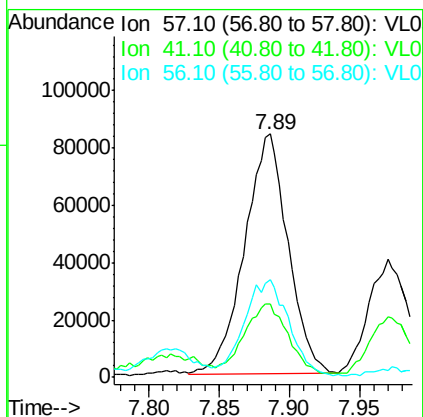
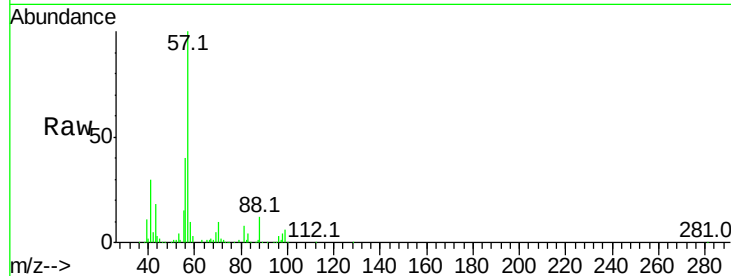




#44  
 2,2,4-Trimethylpentane  
 Concen: 0.362 ppbv  
 RT: 7.89 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VL035460.D  
 Acq: 19 Aug 2020 8:23

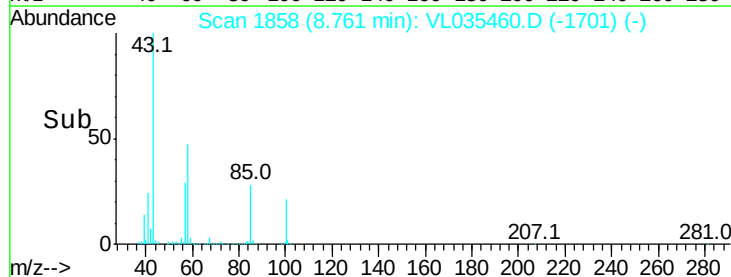
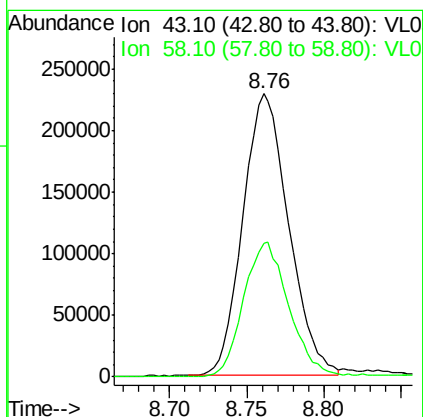
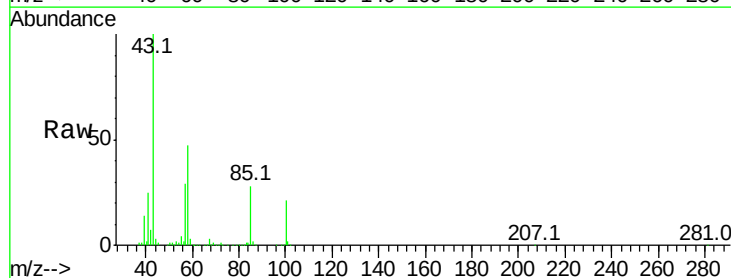
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SS-02

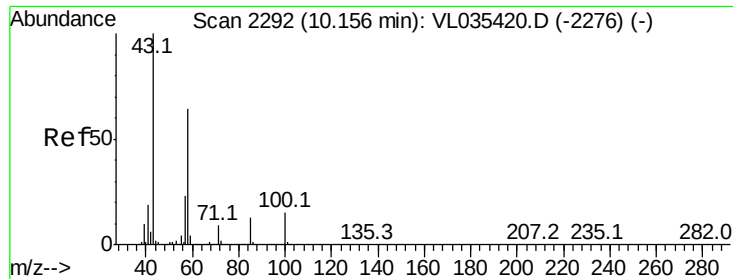
Tgt Ion: 57 Resp: 181038  
 Ion Ratio Lower Upper  
 57 100  
 41 32.3 27.2 40.8  
 56 43.1 25.4 38.0#



#50  
 4-Methyl-2-Pentanone  
 Concen: 1.887 ppbv  
 RT: 8.76 min Scan# 1858  
 Delta R.T. 0.01 min  
 Lab File: VL035460.D  
 Acq: 19 Aug 2020 8:23

Tgt Ion: 43 Resp: 472134  
 Ion Ratio Lower Upper  
 43 100  
 58 47.5 28.7 43.1#

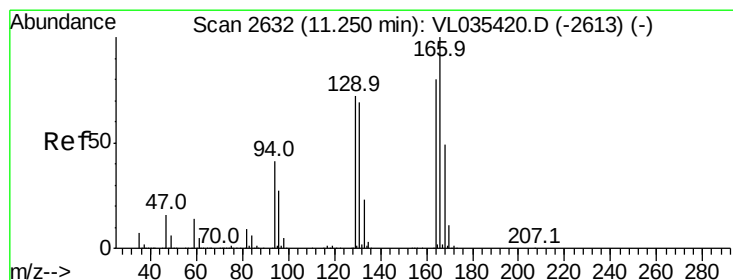
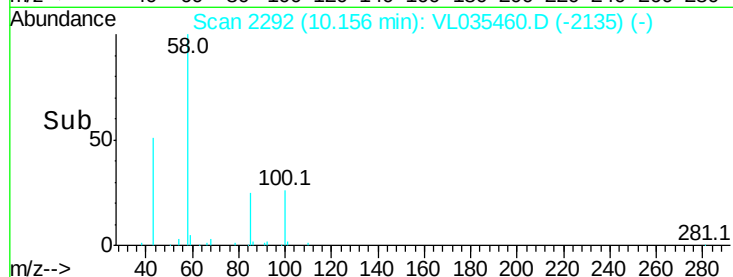
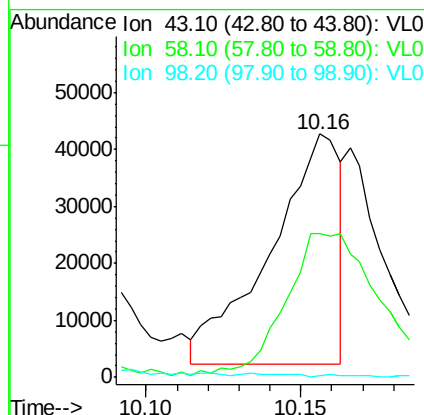
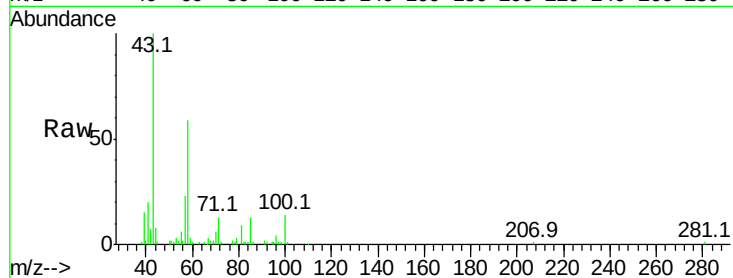




#51  
2-Hexanone  
Concen: 0.299 ppbv  
RT: 10.16 min Scan# 2292  
Delta R.T. 0.01 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

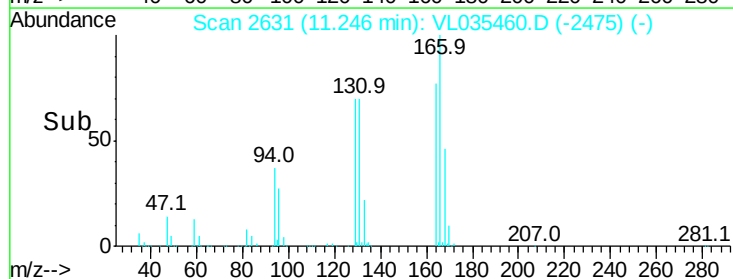
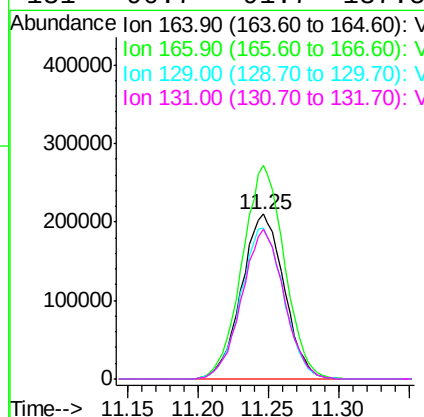
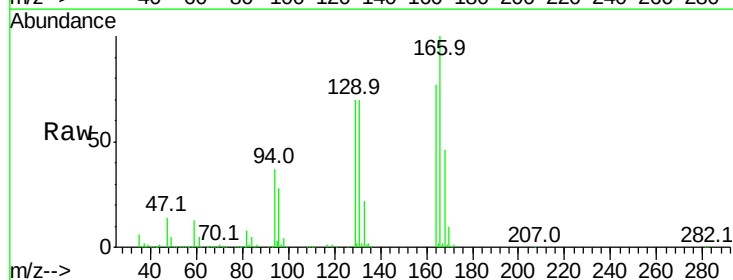
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-02

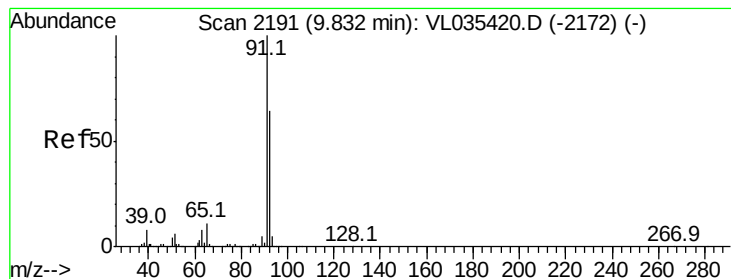
Tgt Ion: 43 Resp: 63148  
Ion Ratio Lower Upper  
43 100  
58 0.0 38.6 58.0#  
98 0.0 0.2 0.2#



#52  
Tetrachloroethene  
Concen: 1.893 ppbv  
RT: 11.25 min Scan# 2631  
Delta R.T. 0.00 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

Tgt Ion: 164 Resp: 442425  
Ion Ratio Lower Upper  
164 100  
166 129.5 103.4 155.0  
129 91.2 90.2 135.4  
131 90.7 91.7 137.5#





#53

Toluene

Concen: 5.619 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampled :

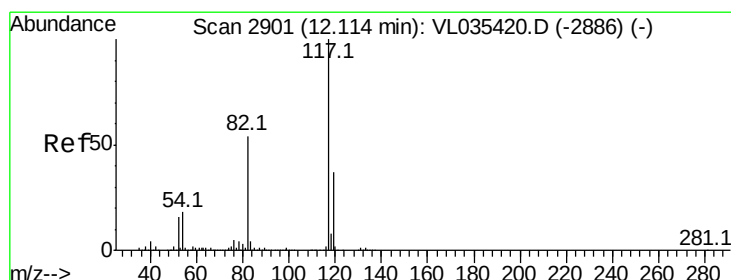
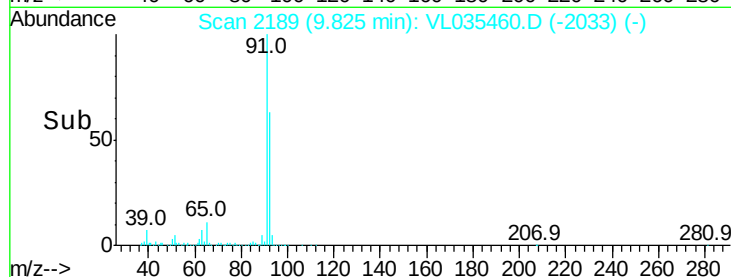
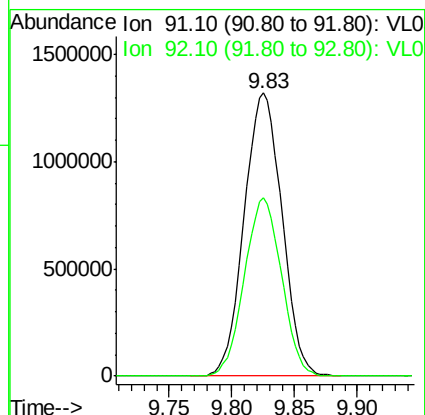
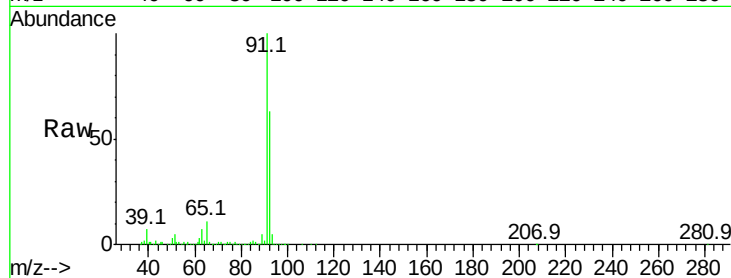
SS-02

Tgt Ion: 91 Resp: 2772680

Ion Ratio Lower Upper

91 100

92 62.0 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

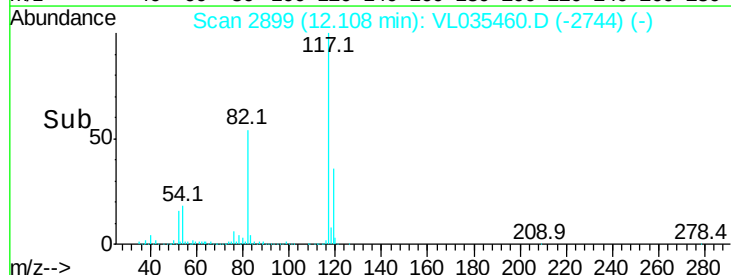
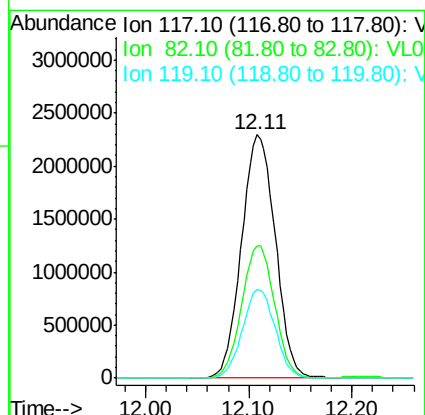
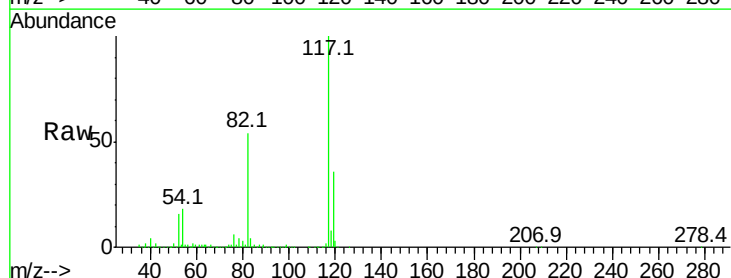
Tgt Ion: 117 Resp: 5228747

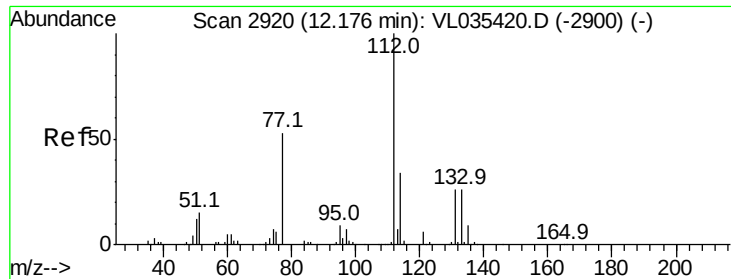
Ion Ratio Lower Upper

117 100

82 53.0 57.4 86.0#

119 35.4 28.4 42.6

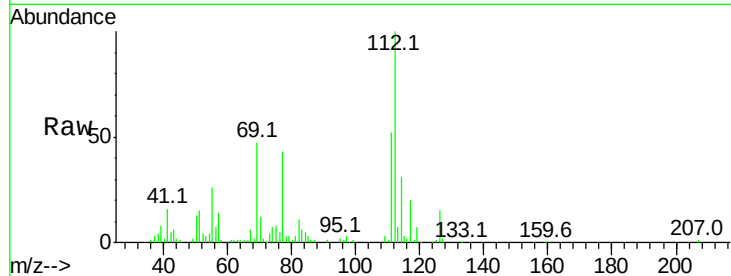




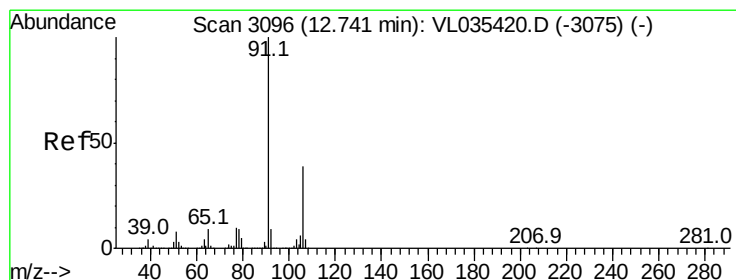
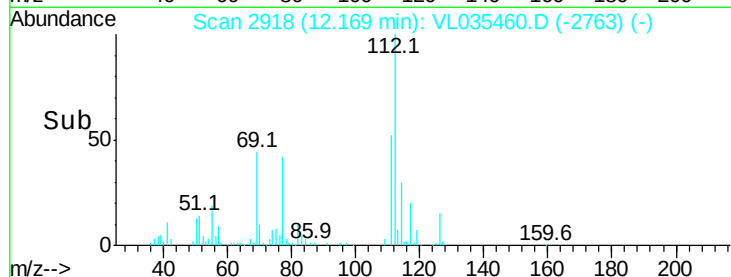
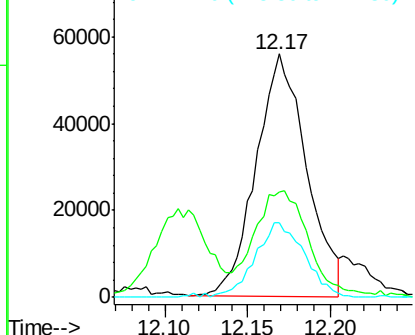
#57  
Chlorobenzene  
Concen: 0.272 ppbv  
RT: 12.17 min Scan# 2918  
Delta R.T. -0.00 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-02

Tgt Ion: 112 Resp: 118667  
Ion Ratio Lower Upper  
112 100  
77 38.8 60.6 91.0#  
114 30.3 28.5 34.9

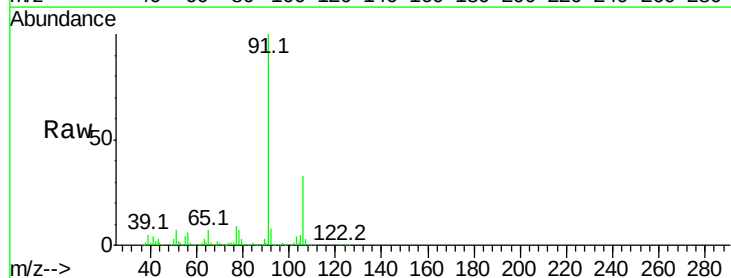


Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 114.10 (113.80 to 114.80): V

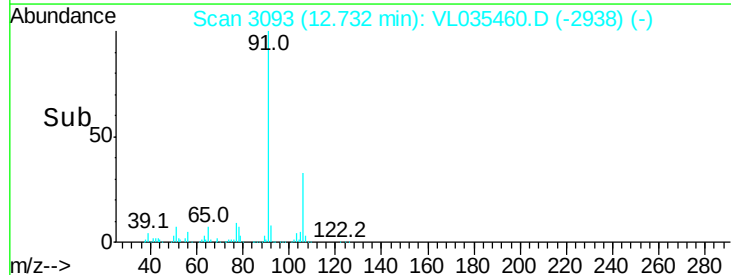
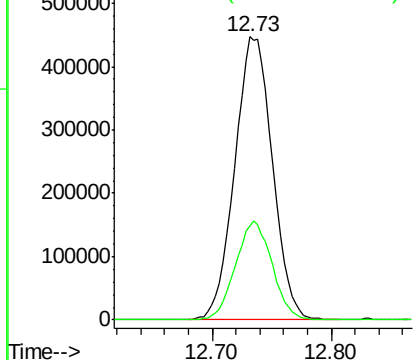


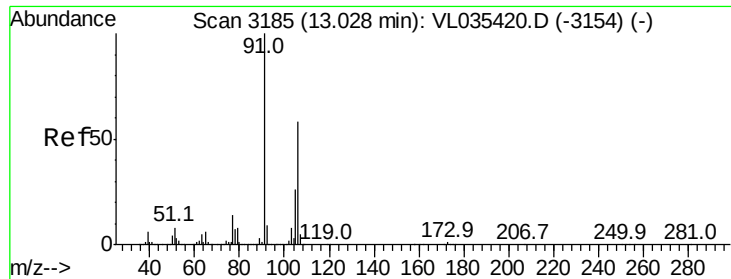
#58  
Ethyl Benzene  
Concen: 1.546 ppbv  
RT: 12.73 min Scan# 3093  
Delta R.T. -0.00 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

Tgt Ion: 91 Resp: 976043  
Ion Ratio Lower Upper  
91 100  
106 33.3 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 106.10 (105.80 to 106.80): V

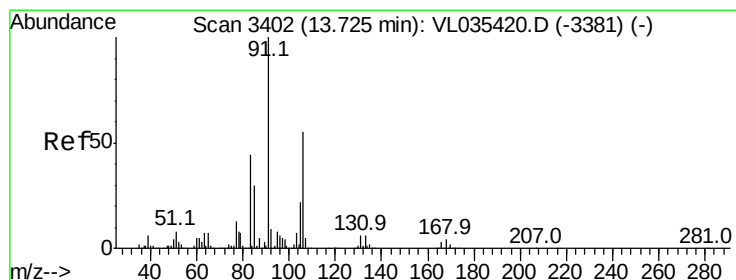
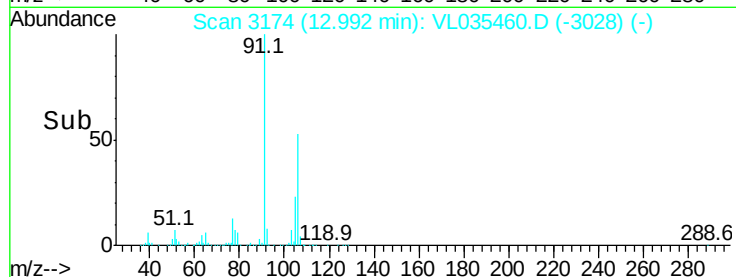
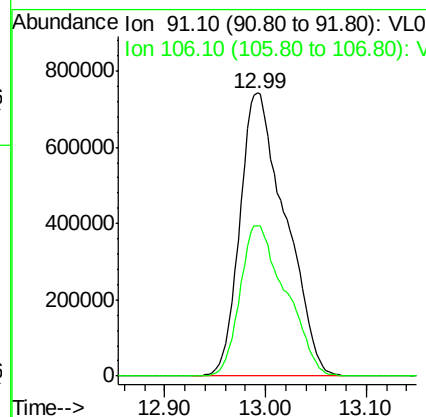
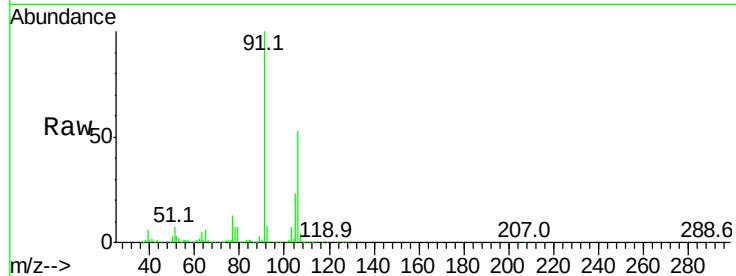




#59  
m/p-Xylene  
Concen: 4.362 ppbv  
RT: 12.99 min Scan# 3174  
Delta R.T. -0.03 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

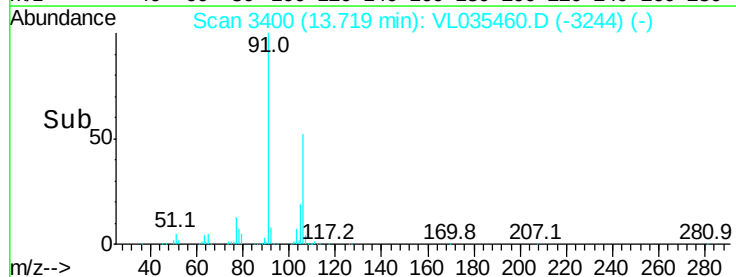
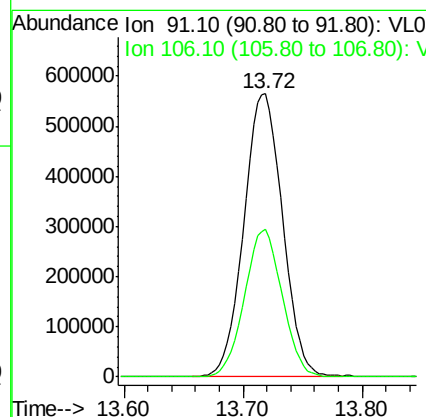
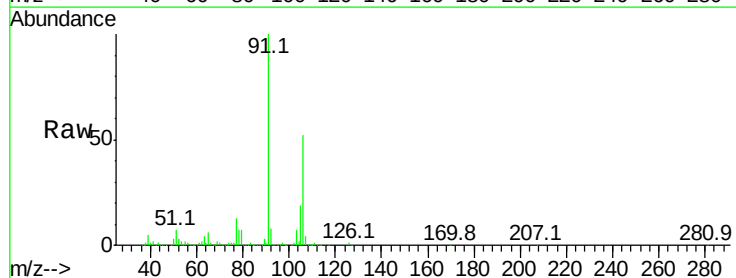
Instrument :  
MSVOA\_L  
ClientSampleId :  
SS-02

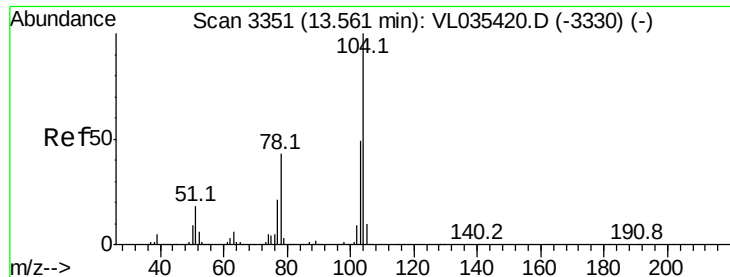
Tgt Ion: 91 Resp: 2327410  
Ion Ratio Lower Upper  
91 100  
106 53.6 34.0 51.0#



#60  
o-Xylene  
Concen: 2.448 ppbv  
RT: 13.72 min Scan# 3400  
Delta R.T. 0.00 min  
Lab File: VL035460.D  
Acq: 19 Aug 2020 8:23

Tgt Ion: 91 Resp: 1269433  
Ion Ratio Lower Upper  
91 100  
106 50.9 21.8 65.3





#61

Styrene

Concen: 0.257 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampleId :

SS-02

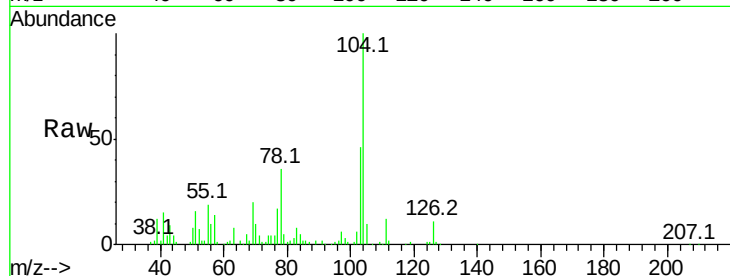
Tgt Ion:104 Resp: 107867

Ion Ratio Lower Upper

104 100

78 43.1 45.4 68.2#

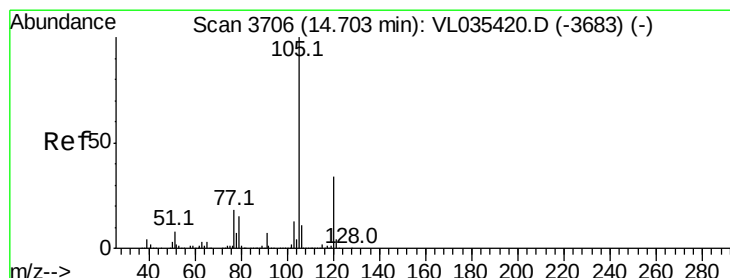
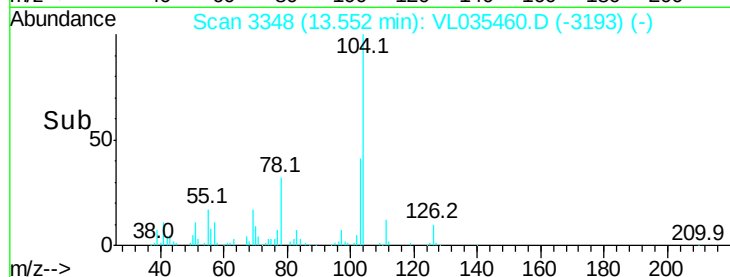
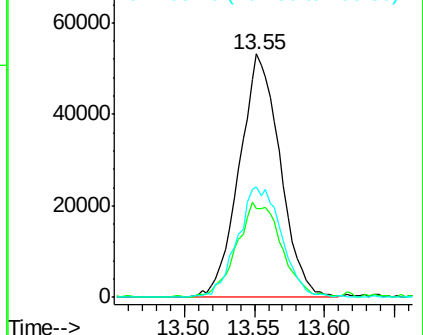
103 48.9 37.8 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.257 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035460.D

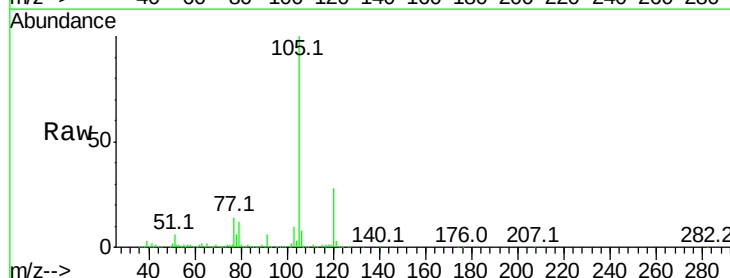
Acq: 19 Aug 2020 8:23

Tgt Ion:105 Resp: 1067940

Ion Ratio Lower Upper

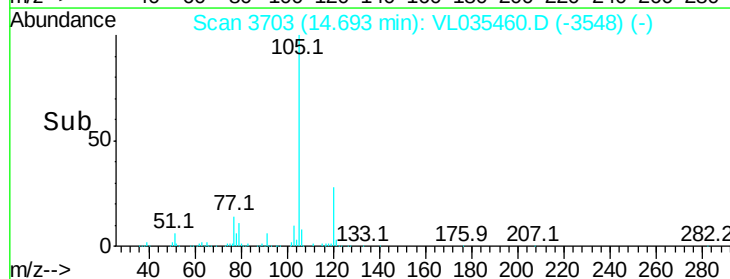
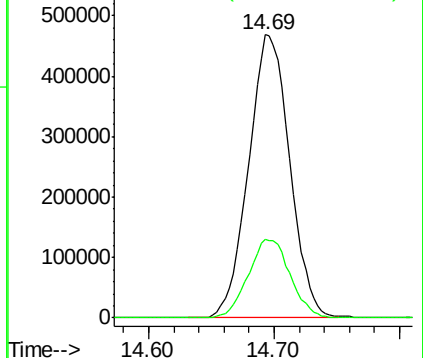
105 100

120 28.4 20.3 30.5

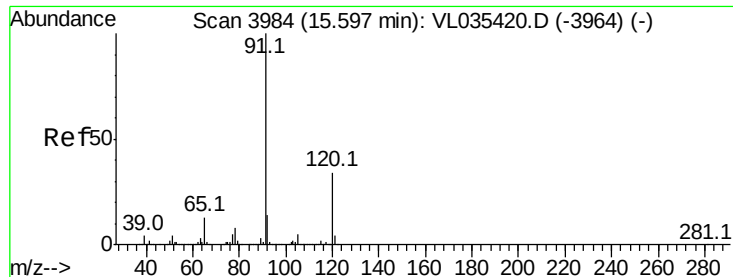


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V







#64

n-propylbenzene

Concen: 2.765 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Instrument :

MSVOA\_L

ClientSampled :

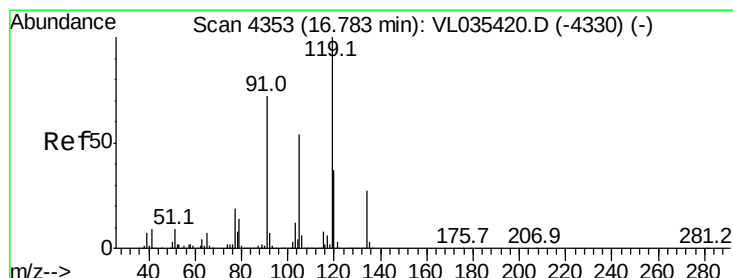
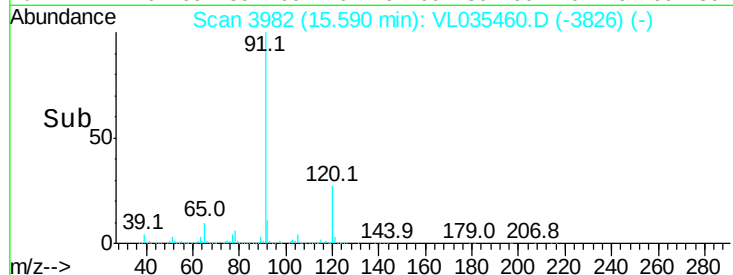
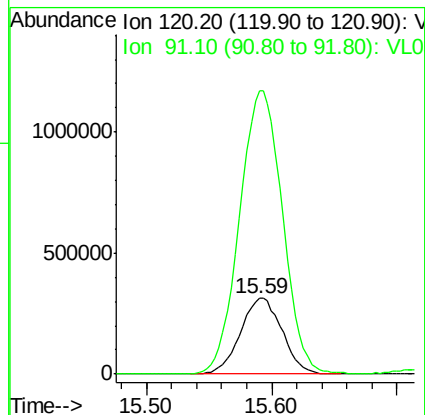
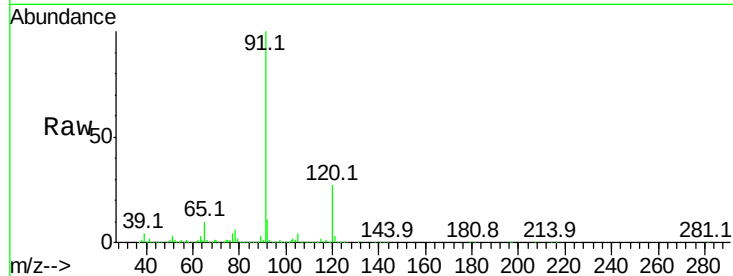
SS-02

Tgt Ion:120 Resp: 724310

Ion Ratio Lower Upper

120 100

91 383.1 385.5 578.3#



#65

tert-Butylbenzene

Concen: 0.755 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.02 min

Lab File: VL035460.D

Acq: 19 Aug 2020 8:23

Tgt Ion:119 Resp: 623703

Ion Ratio Lower Upper

119 100

91 86.7 72.0 108.0

134 0.7 15.7 23.5#

