

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL101821\  
 Data File : VL037876.D  
 Acq On : 19 Oct 2021 12:01  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Quant Time: Oct 20 01:52:44 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 04 17:43:54 2021  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1259726  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3711750  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3346376  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2374302  | 10.15    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.50% |

## Target Compounds

|                                |      |     |         |        |      | Qvalue |
|--------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane     | 3.05 | 85  | 1633021 | 8.116  | ppbv | 96     |
| 3) Chlorodifluoromethane       | 2.99 | 51  | 2486400 | 10.272 | ppbv | 99     |
| 4) Chloromethane               | 3.14 | 50  | 950369  | 10.720 | ppbv | 91     |
| 5) Vinyl Chloride              | 3.26 | 62  | 921465  | 11.339 | ppbv | 98     |
| 6) Bromomethane                | 3.47 | 94  | 447819  | 10.187 | ppbv | 96     |
| 7) Chloroethane                | 3.56 | 64  | 336271  | 11.253 | ppbv | 95     |
| 8) Dichlorotetrafluoroethane   | 3.19 | 85  | 2091087 | 10.514 | ppbv | 100    |
| 9) Propene                     | 3.01 | 41  | 879029  | 9.870  | ppbv | 98     |
| 10) Heptane                    | 8.12 | 43  | 2293135 | 11.337 | ppbv | 100    |
| 11) Trichlorofluoromethane     | 3.95 | 101 | 1941907 | 10.817 | ppbv | 99     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 1511364 | 11.111 | ppbv | 99     |
| 13) Ethanol                    | 3.61 | 45  | 46443   | 6.377  | ppbv | 62     |
| 14) Bromoethene                | 3.74 | 108 | 658783  | 11.015 | ppbv | 96     |
| 15) Acetone                    | 3.85 | 43  | 1354699 | 11.979 | ppbv | 100    |
| 16) 1,3-Butadiene              | 3.33 | 39  | 914433  | 11.114 | ppbv | 100    |
| 17) tert-Butyl alcohol         | 4.28 | 59  | 1305924 | 11.213 | ppbv | 99     |
| 18) 1,1-Dichloroethene         | 4.29 | 96  | 670401  | 10.845 | ppbv | 97     |
| 19) Isopropyl Alcohol          | 3.96 | 45  | 749490  | 10.653 | ppbv | # 94   |
| 20) Methylene Chloride         | 4.34 | 84  | 566838  | 9.920  | ppbv | 95     |
| 21) Allyl Chloride             | 4.41 | 41  | 1048149 | 10.462 | ppbv | 97     |
| 22) trans-1,2-Dichloroethene   | 4.88 | 96  | 710823  | 11.438 | ppbv | 99     |
| 23) Vinyl Acetate              | 5.07 | 43  | 1757310 | 10.370 | ppbv | # 97   |
| 24) 1,1-Dichloroethane         | 5.01 | 63  | 1403980 | 11.381 | ppbv | 99     |
| 25) Ethyl Acetate              | 5.67 | 43  | 3504394 | 11.043 | ppbv | 99     |
| 26) Hexane                     | 5.68 | 57  | 1653052 | 10.579 | ppbv | 98     |
| 27) Carbon Disulfide           | 4.55 | 76  | 1660259 | 11.989 | ppbv | 99     |
| 28) Methyl tert-Butyl Ether    | 5.03 | 73  | 1348148 | 10.363 | ppbv | 99     |
| 29) Chloroform                 | 5.75 | 83  | 2375080 | 10.634 | ppbv | 99     |
| 30) Cyclohexane                | 7.13 | 84  | 1400308 | 10.568 | ppbv | 99     |
| 31) cis-1,2-Dichloroethene     | 5.55 | 61  | 1499323 | 10.570 | ppbv | 98     |
| 32) 1,1,1-Trichloroethane      | 6.51 | 97  | 2248055 | 10.616 | ppbv | 99     |
| 34) 2-Butanone                 | 5.24 | 43  | 1539946 | 10.277 | ppbv | 99     |
| 35) Carbon Tetrachloride       | 7.01 | 117 | 2363865 | 11.214 | ppbv | 99     |
| 36) Benzene                    | 6.89 | 78  | 3455562 | 10.900 | ppbv | 98     |
| 37) 1,2-Dichloroethane         | 6.30 | 62  | 1656605 | 11.097 | ppbv | 100    |
| 38) Trichloroethene            | 7.83 | 130 | 1381046 | 11.026 | ppbv | 98     |
| 39) 1,2-Dichloropropane        | 7.61 | 63  | 1320803 | 11.076 | ppbv | 95     |
| 40) 1,4-Dioxane                | 7.83 | 88  | 332193  | 11.132 | ppbv | # 100  |
| 41) Tetrahydrofuran            | 6.05 | 42  | 773582  | 10.543 | ppbv | 98     |
| 42) Bromodichloromethane       | 7.79 | 83  | 2518509 | 11.486 | ppbv | 98     |
| 43) Methyl Methacrylate        | 8.01 | 69  | 1240432 | 11.979 | ppbv | 99     |

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 Acq On : 19 Oct 2021 12:01  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

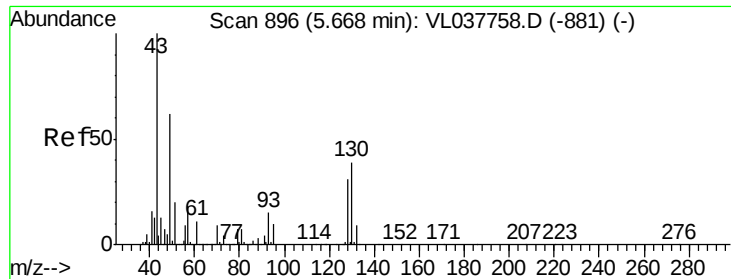
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Quant Time: Oct 20 01:52:44 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 04 17:43:54 2021  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.86  | 57   | 5865116  | 11.011 | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 9.27  | 75   | 812748   | 11.407 | ppbv   | 99       |
| 46) cis-1,3-Dichloropropene   | 8.70  | 75   | 1077311  | 10.909 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 9.47  | 97   | 1426140  | 11.001 | ppbv   | 96       |
| 48) Dibromochloromethane      | 10.30 | 129  | 2249840  | 12.174 | ppbv   | 99       |
| 49) Bromoform                 | 13.03 | 173  | 1835505  | 12.981 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.74  | 43   | 2286380  | 11.721 | ppbv   | 100      |
| 51) 2-Hexanone                | 10.13 | 43   | 1066425  | 12.246 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.22 | 164  | 1271067  | 10.305 | ppbv   | 96       |
| 53) Toluene                   | 9.80  | 91   | 4051544  | 11.532 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.61 | 107  | 1967883  | 11.238 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.12 | 131  | 1566490  | 11.308 | ppbv   | 99       |
| 57) Chlorobenzene             | 12.14 | 112  | 3021207  | 11.005 | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.71 | 91   | 5177452  | 11.522 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.99 | 91   | 4666388  | 12.098 | ppbv # | 35       |
| 60) o-Xylene                  | 13.69 | 91   | 4220774  | 11.418 | ppbv   | 99       |
| 61) Styrene                   | 13.52 | 104  | 2289911  | 12.807 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.66 | 105  | 5928173  | 11.498 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.67 | 83   | 3123305  | 10.949 | ppbv   | 100      |
| 64) n-propylbenzene           | 15.56 | 120  | 1603047  | 12.468 | ppbv   | 95       |
| 65) tert-Butylbenzene         | 16.74 | 119  | 5208665  | 11.480 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.98 | 91   | 261187   | 11.664 | ppbv # | 99       |
| 67) sec-Butylbenzene          | 17.29 | 105  | 7308785  | 11.778 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.64 | 119  | 6160377  | 12.279 | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.54 | 91   | 6148278  | 12.900 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.45 | 91   | 4261247  | 11.704 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.83 | 105  | 5146862  | 12.262 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.99 | 105  | 4558601  | 11.957 | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 16.76 | 105  | 4799948  | 11.989 | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.99 | 146  | 2998785  | 12.090 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.13 | 146  | 2895147  | 12.235 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.81 | 146  | 2884716  | 12.107 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.37 | 225  | 2071290  | 10.646 | ppbv   | 99       |
| 79) Naphthalene               | 22.18 | 128  | 3505273  | 14.296 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.97 | 142  | 861330   | 13.083 | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.91 | 180  | 2090830  | 13.333 | ppbv   | 100      |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Oct 2021 12:01

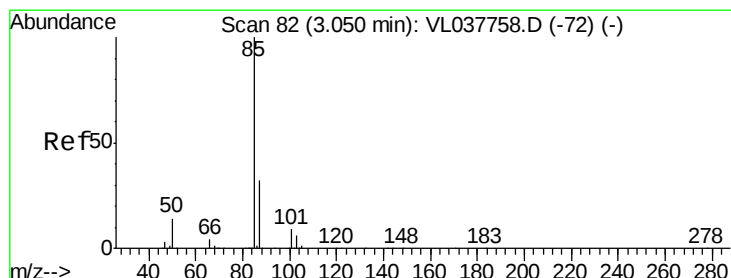
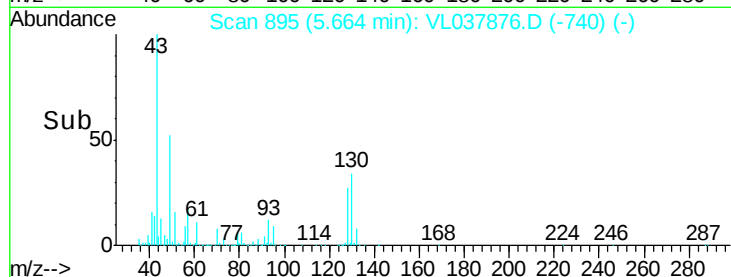
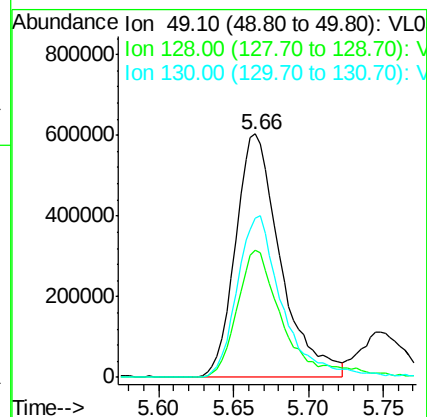
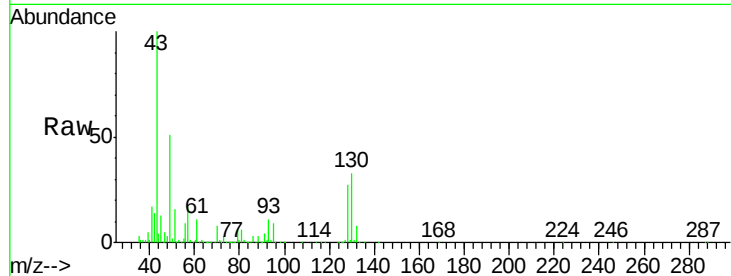
Tgt Ion: 49 Resp: 1259726

Ion Ratio Lower Upper

49 100

128 55.2 27.1 81.3

130 67.7 33.2 99.6



#2

Dichlorodifluoromethane

Concen: 8.116 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037876.D

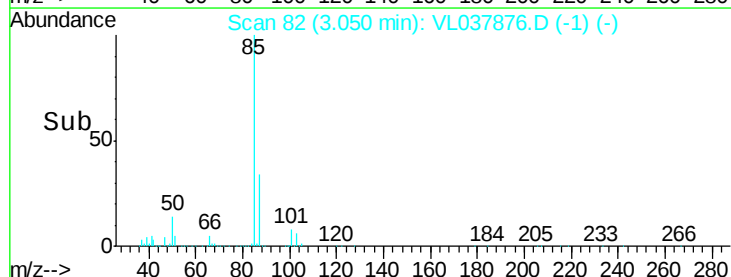
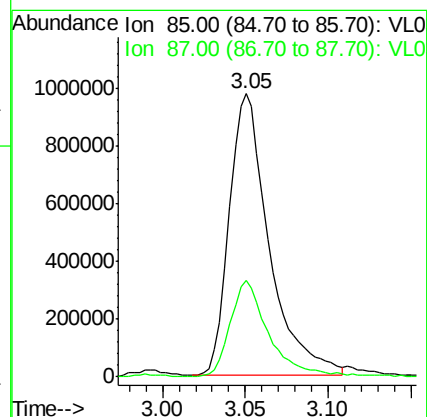
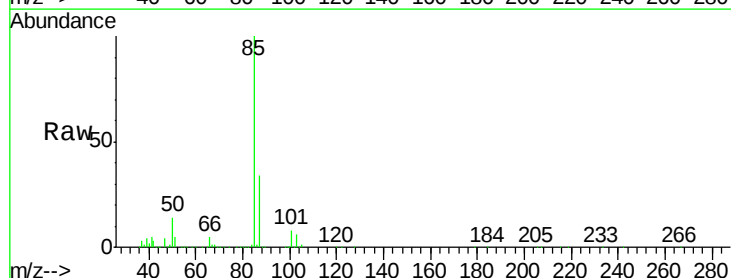
Acq: 19 Oct 2021 12:01

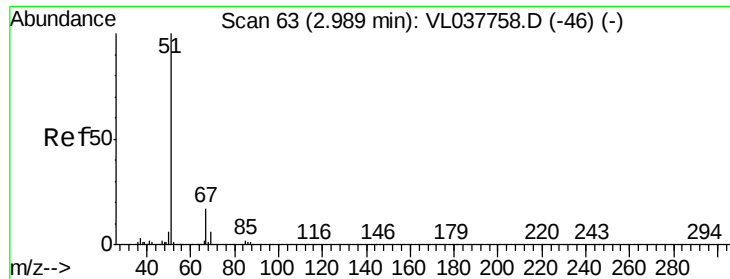
Tgt Ion: 85 Resp: 1633021

Ion Ratio Lower Upper

85 100

87 34.2 25.7 38.5





#3

Chlorodifluoromethane

Concen: 10.272 ppbv

RT: 2.99 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

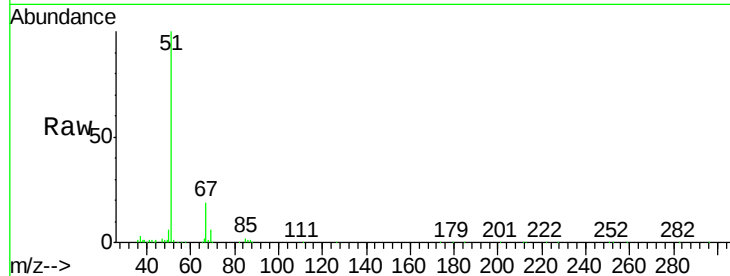
Acq: 19 Oct 2021 12:01

Tgt Ion: 51 Resp: 2486400

Ion Ratio Lower Upper

51 100

67 17.5 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

1500000

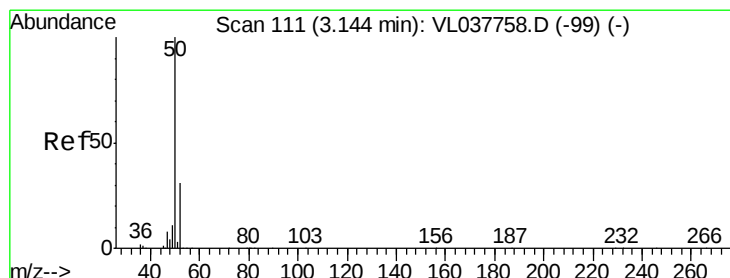
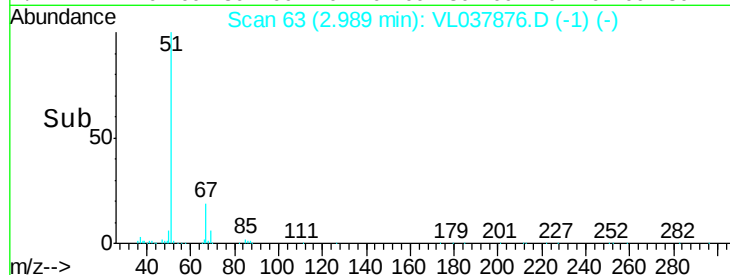
1000000

500000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 10.720 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037876.D

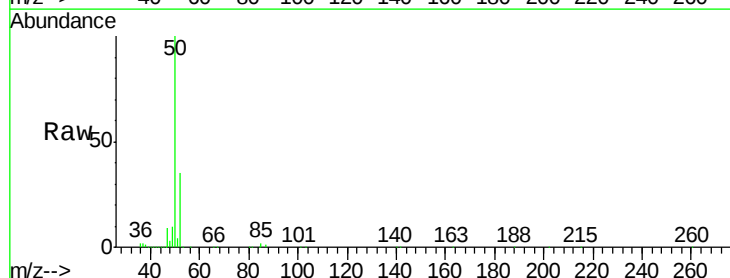
Acq: 19 Oct 2021 12:01

Tgt Ion: 50 Resp: 950369

Ion Ratio Lower Upper

50 100

52 35.4 24.4 36.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

600000

500000

400000

300000

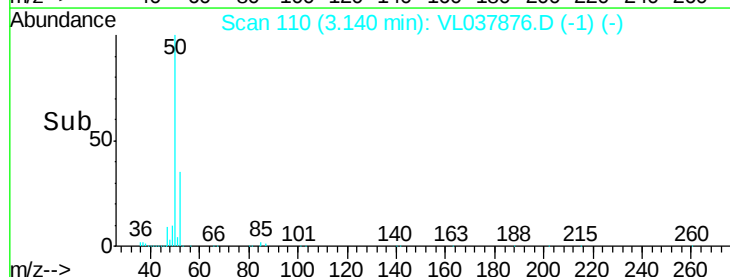
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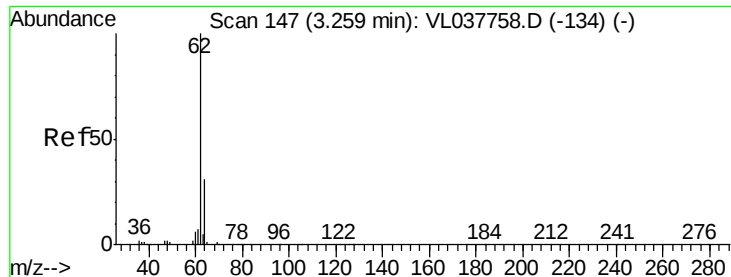
100000

0

Time-->

3.10 3.15





#5

Vinyl Chloride

Concen: 11.339 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

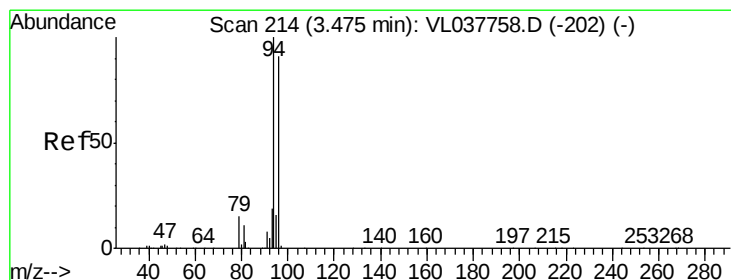
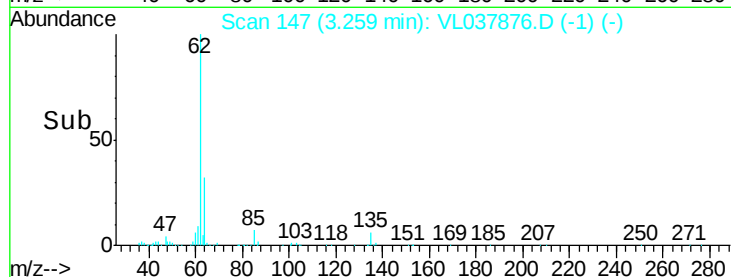
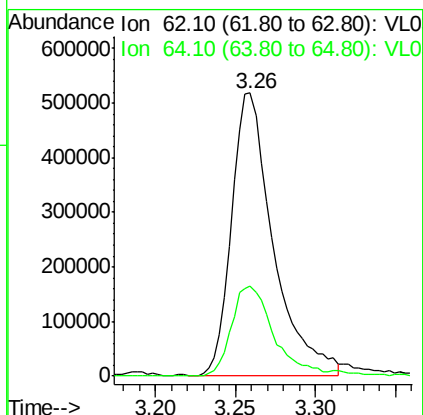
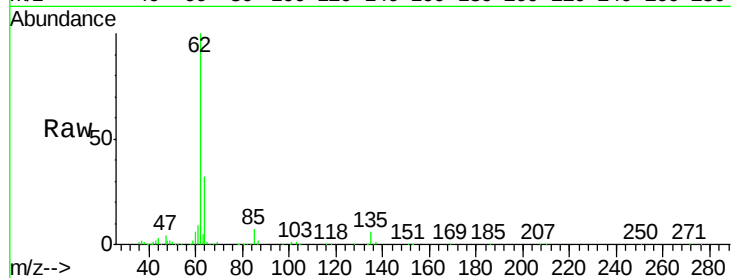
Acq: 19 Oct 2021 12:01 VSTDCCC010EC

Tgt Ion: 62 Resp: 921465

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3



#6

Bromomethane

Concen: 10.187 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037876.D

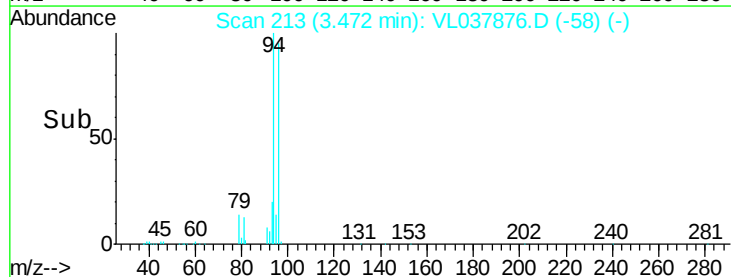
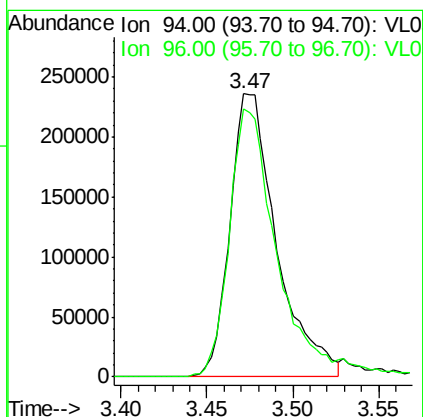
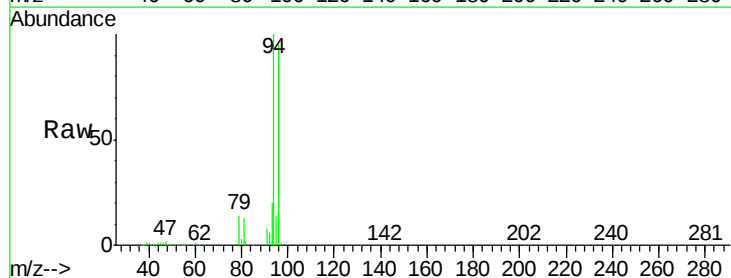
Acq: 19 Oct 2021 12:01

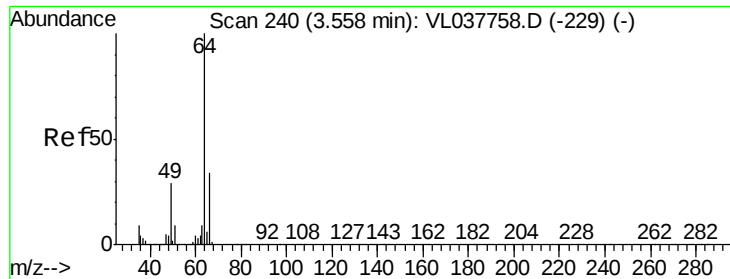
Tgt Ion: 94 Resp: 447819

Ion Ratio Lower Upper

94 100

96 94.5 72.5 108.7





#7

Chloroethane

Concen: 11.253 ppbv

RT: 3.56 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

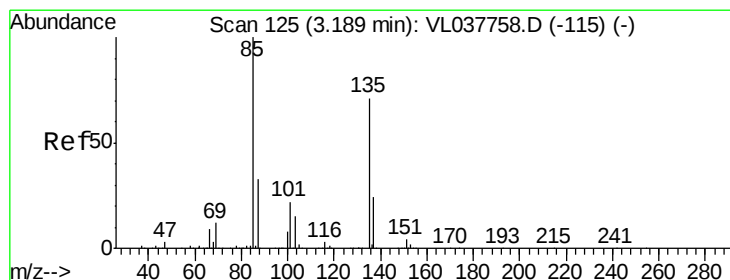
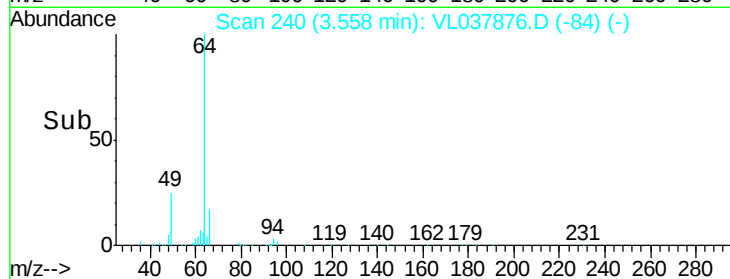
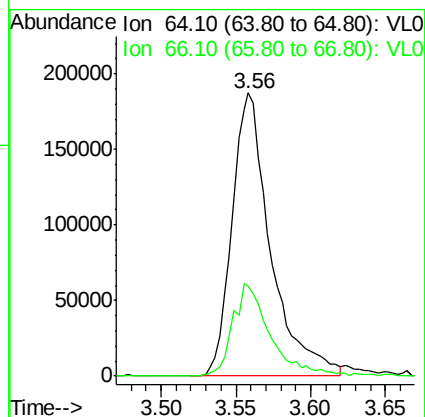
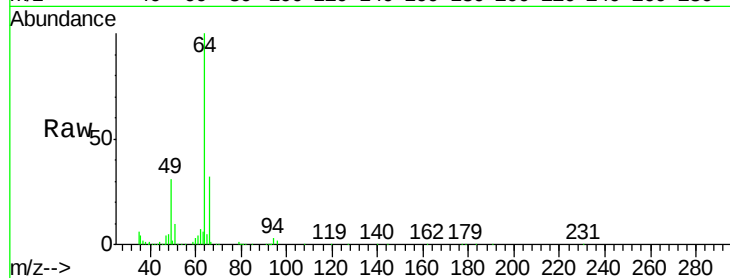
Acq: 19 Oct 2021 12:01

Tgt Ion: 64 Resp: 336271

Ion Ratio Lower Upper

64 100

66 31.8 27.5 41.3



#8

Dichlorotetrafluoroethane

Concen: 10.514 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037876.D

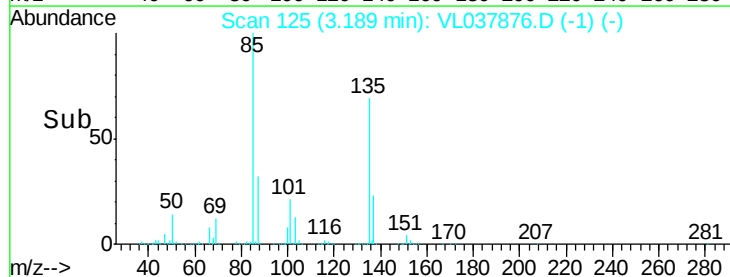
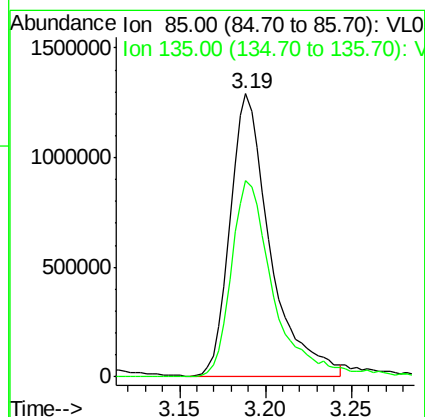
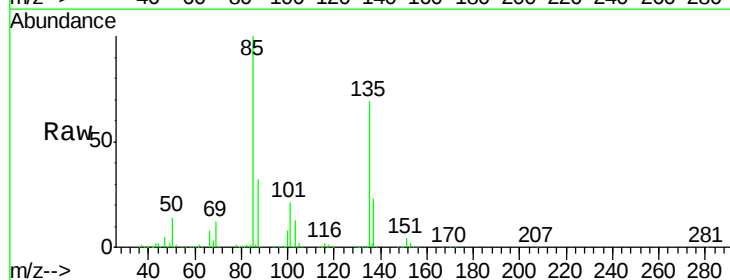
Acq: 19 Oct 2021 12:01

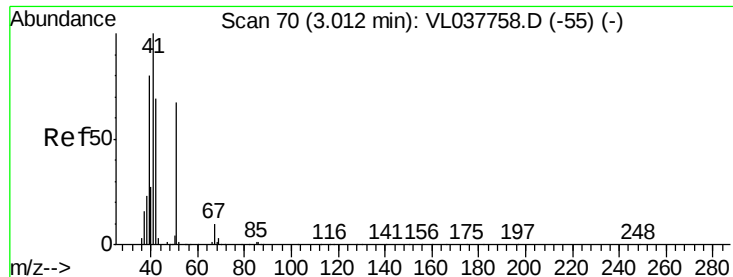
Tgt Ion: 85 Resp: 2091087

Ion Ratio Lower Upper

85 100

135 74.7 59.5 89.3





#9

Propene

Concen: 9.870 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

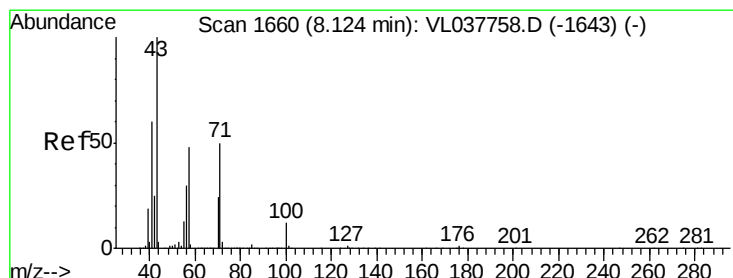
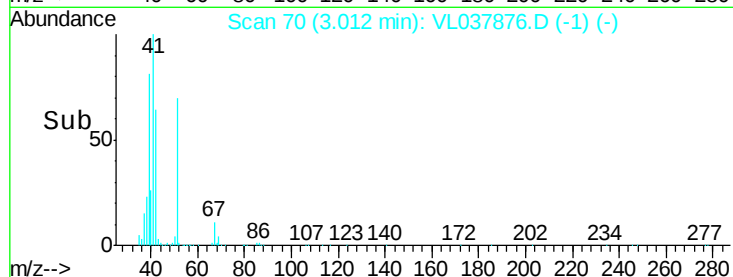
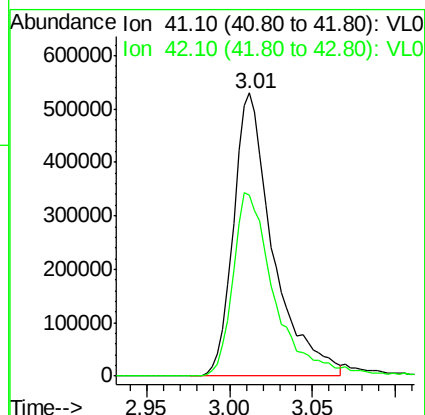
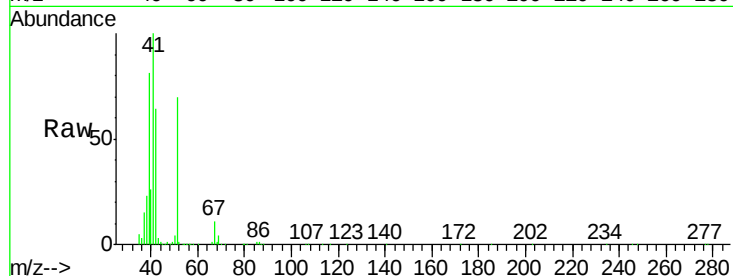
Acq: 19 Oct 2021 12:01 VSTDCCC010EC

Tgt Ion: 41 Resp: 879029

Ion Ratio Lower Upper

41 100

42 69.2 54.2 81.2



#10

Heptane

Concen: 11.337 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL037876.D

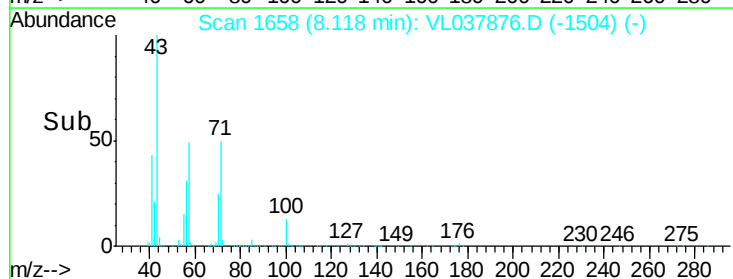
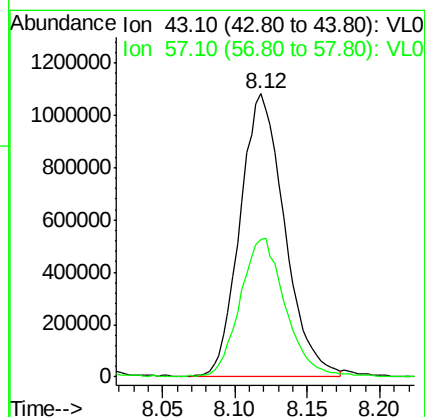
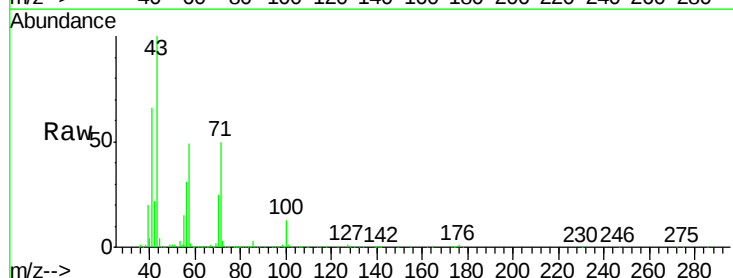
Acq: 19 Oct 2021 12:01

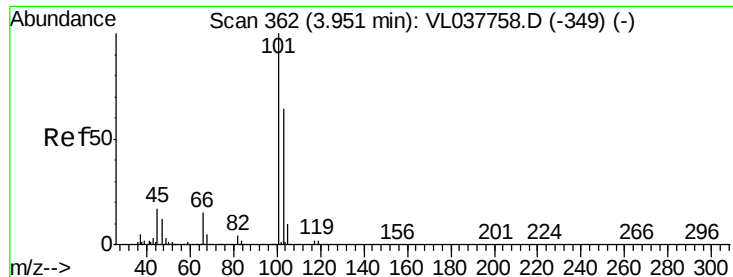
Tgt Ion: 43 Resp: 2293135

Ion Ratio Lower Upper

43 100

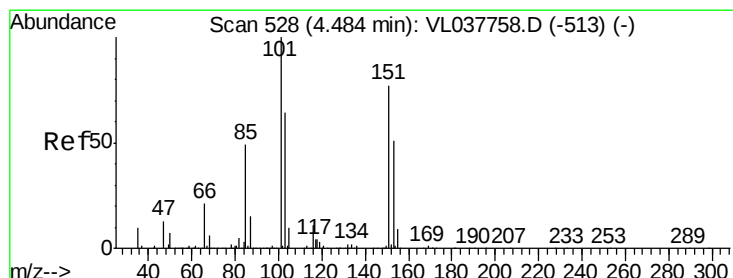
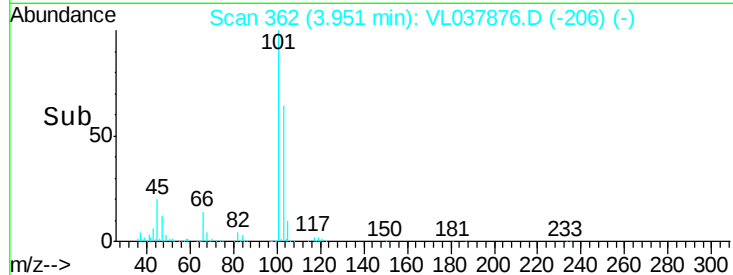
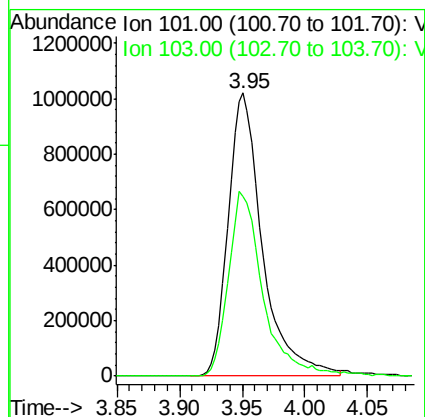
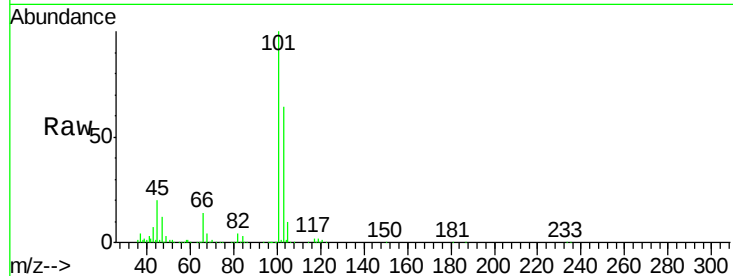
57 50.3 40.0 60.0





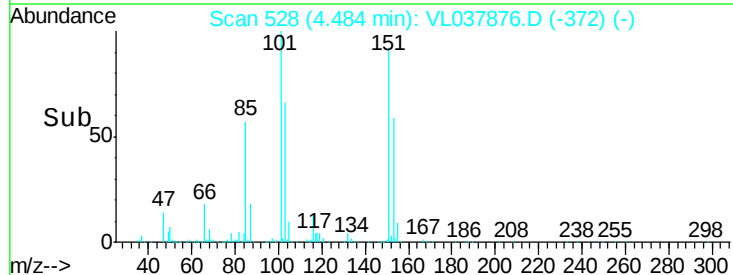
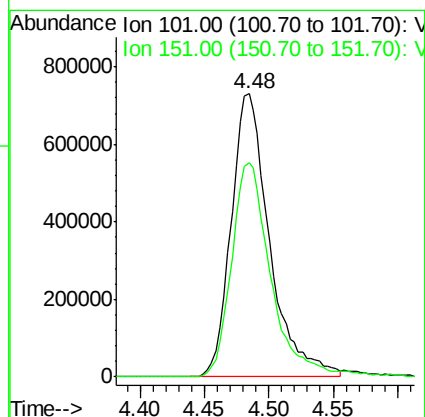
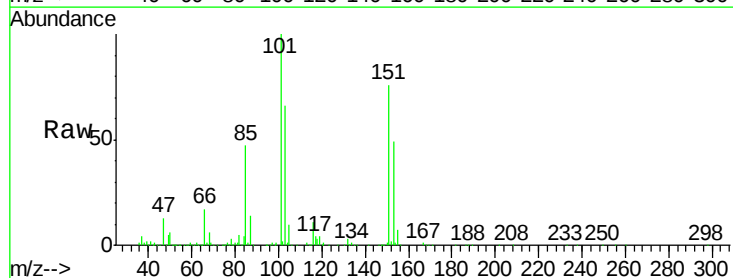
#11  
 Trichlorofluoromethane  
 Concen: 10.817 ppbv  
 RT: 3.95  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

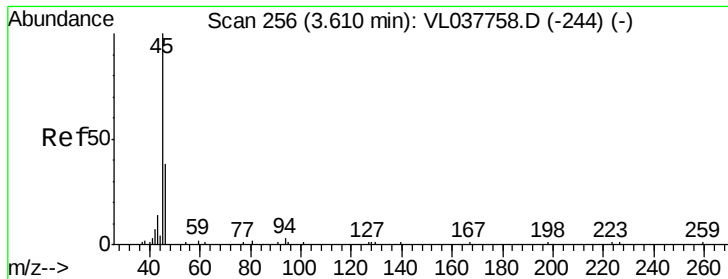
Tgt Ion:101 Resp: 1941907  
 Ion Ratio Lower Upper  
 101 100  
 103 63.5 51.5 77.3



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 11.111 ppbv  
 RT: 4.48 min Scan# 528  
 Delta R.T. 0.00 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

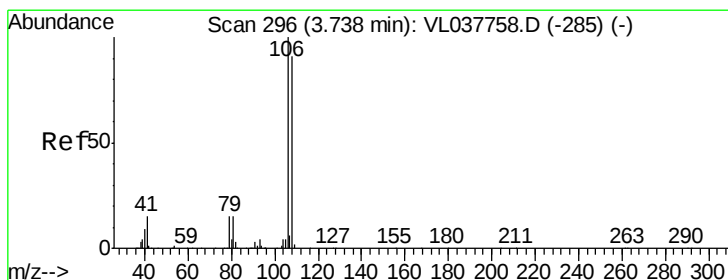
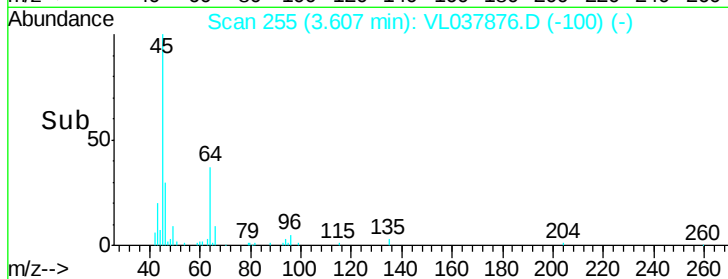
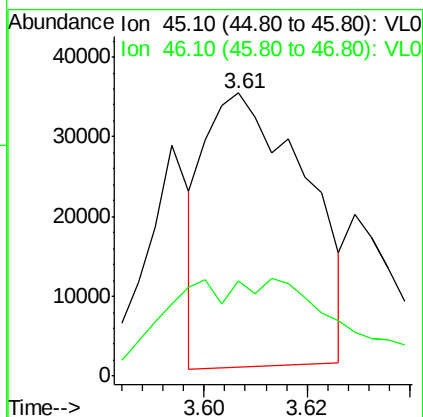
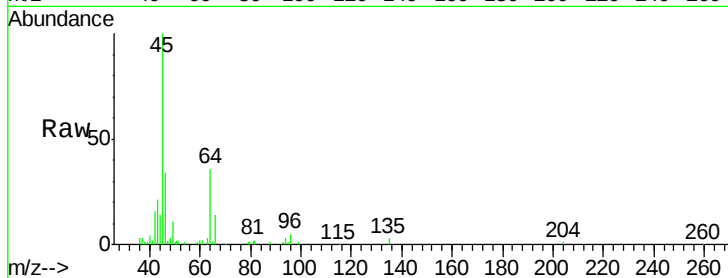
Tgt Ion:101 Resp: 1511364  
 Ion Ratio Lower Upper  
 101 100  
 151 78.1 62.9 94.3





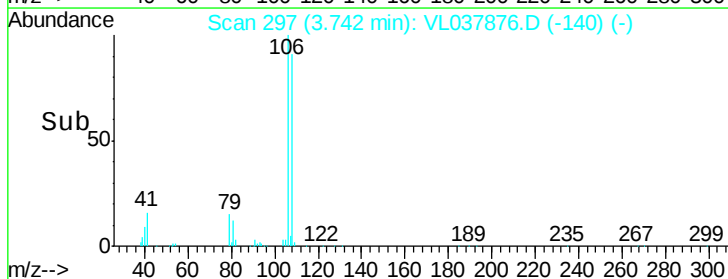
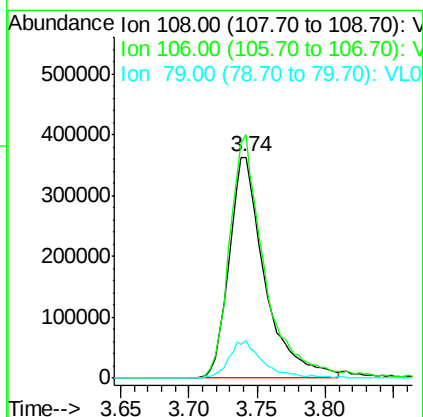
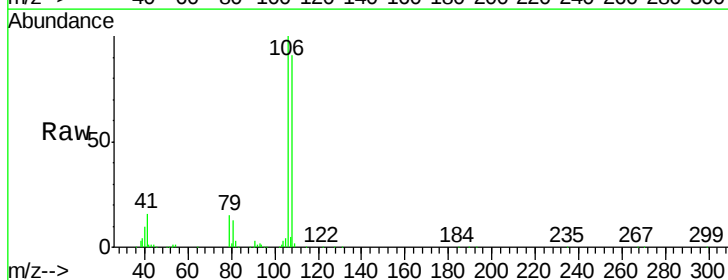
#13  
Ethanol  
Concen: 6.377 ppbv  
RT: 3.61  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 19 Oct 2021 12:01

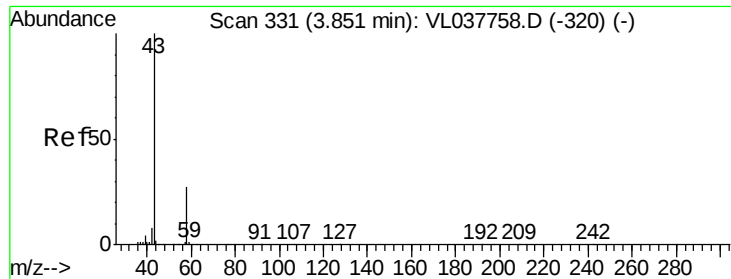
Tgt Ion: 45 Resp: 46443  
Ion Ratio Lower Upper  
45 100  
46 76.9 20.2 81.0



#14  
Bromoethene  
Concen: 11.015 ppbv  
RT: 3.74 min Scan# 297  
Delta R.T. 0.00 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 108 Resp: 658783  
Ion Ratio Lower Upper  
108 100  
106 110.6 91.9 137.9  
79 16.7 13.9 20.9





#15

Acetone

Concen: 11.979 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

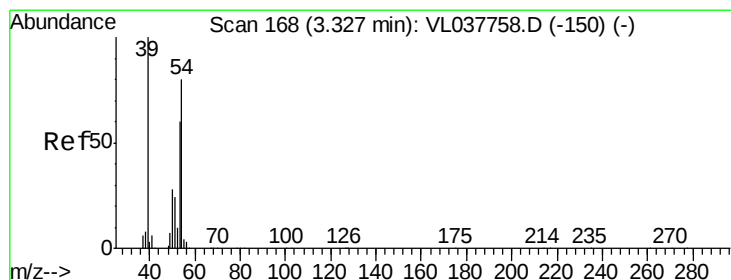
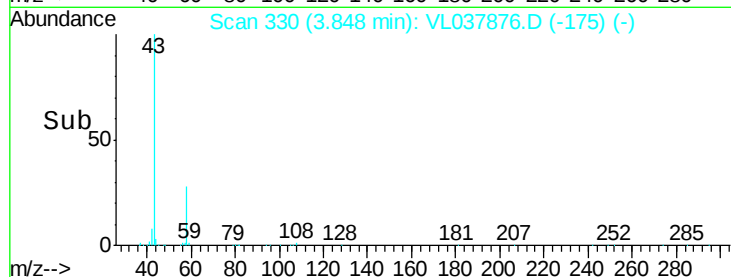
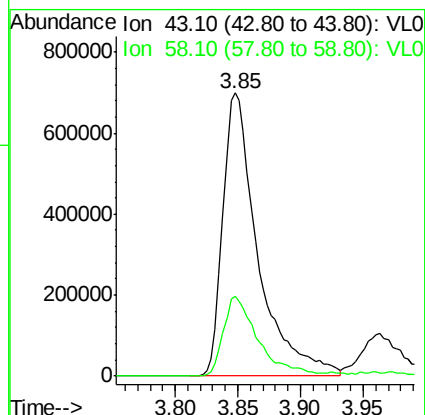
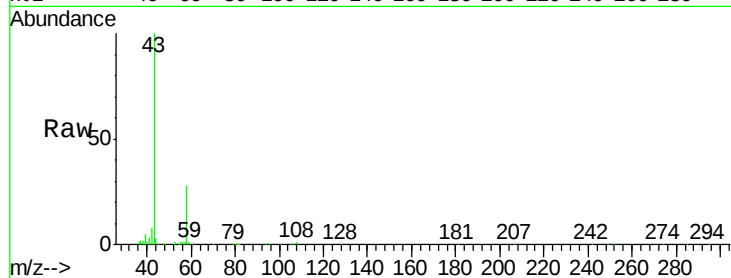
Acq: 19 Oct 2021 12:01 VSTDCCC010EC

Tgt Ion: 43 Resp: 1354699

Ion Ratio Lower Upper

43 100

58 28.9 23.0 34.6



#16

1,3-Butadiene

Concen: 11.114 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL037876.D

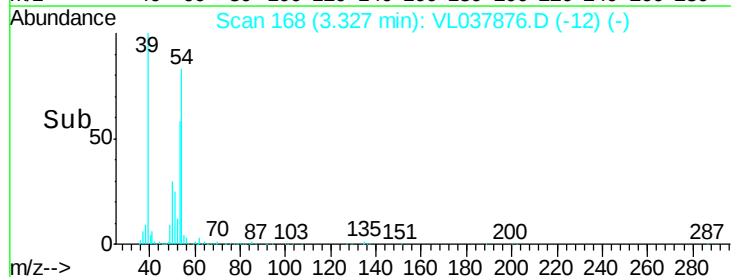
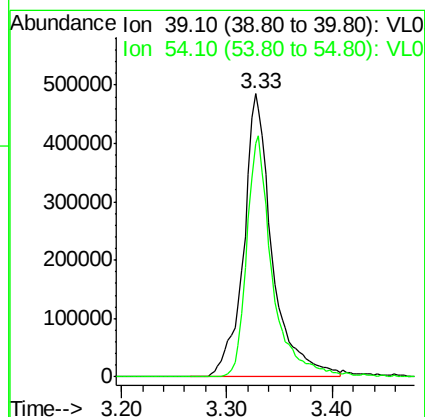
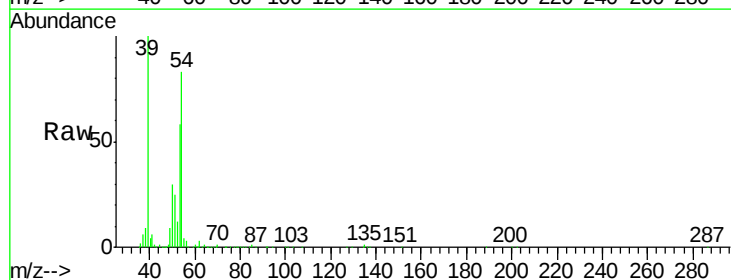
Acq: 19 Oct 2021 12:01

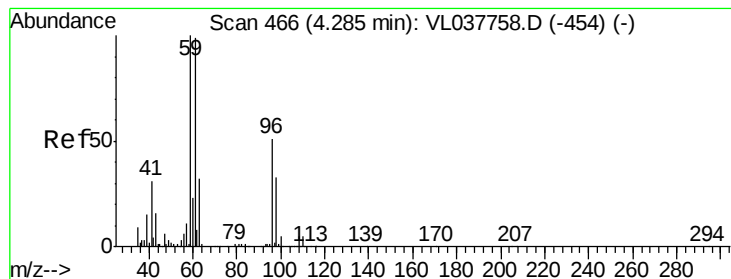
Tgt Ion: 39 Resp: 914433

Ion Ratio Lower Upper

39 100

54 76.8 61.7 92.5





#17

tert-Butyl alcohol

Concen: 11.213 ppbv

RT: 4.28 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

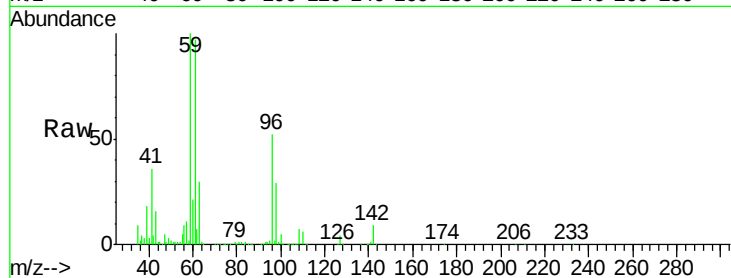
Acq: 19 Oct 2021 12:01

Tgt Ion: 59 Resp: 1305924

Ion Ratio Lower Upper

59 100

57 10.6 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

600000

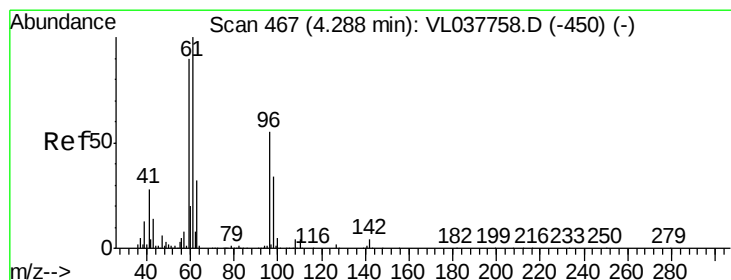
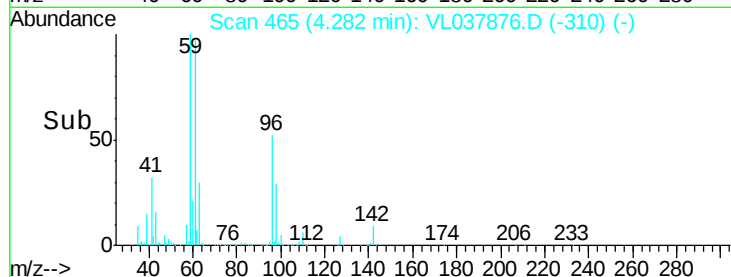
400000

200000

0

4.20 4.25 4.30 4.35 4.40

Time-->



#18

1,1-Dichloroethene

Concen: 10.845 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

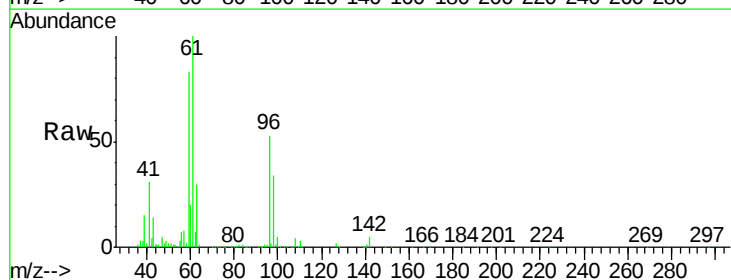
Tgt Ion: 96 Resp: 670401

Ion Ratio Lower Upper

96 100

61 188.4 146.2 219.4

98 64.0 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

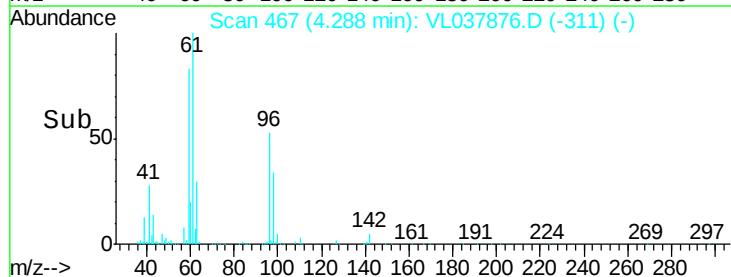
400000

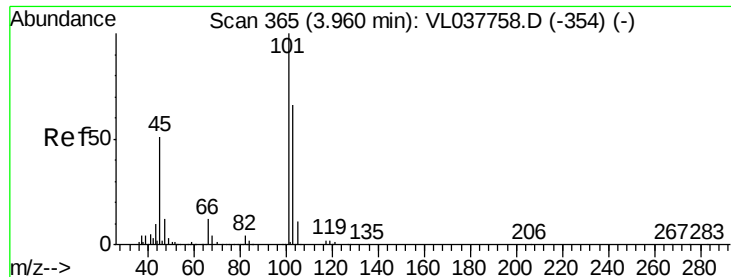
200000

0

4.25 4.30 4.35

Time-->





#19

Isopropyl Alcohol

Concen: 10.653 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

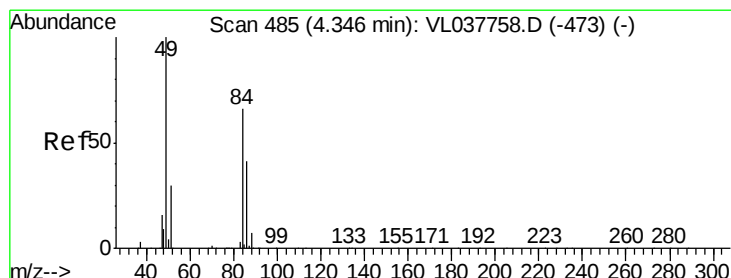
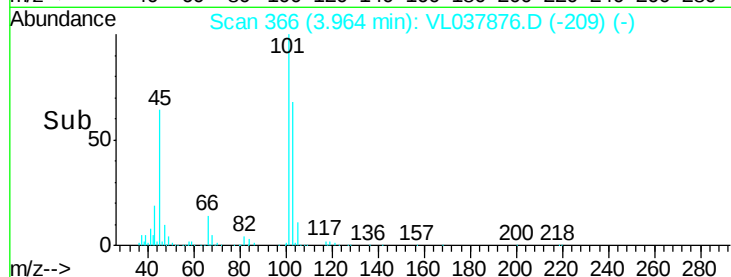
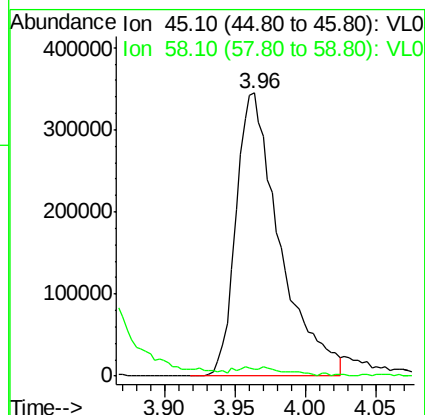
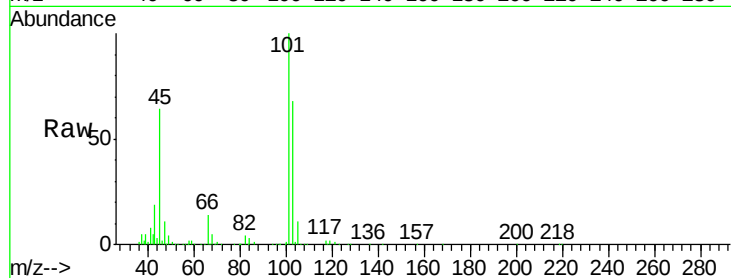
Acq: 19 Oct 2021 12:01 VSTDCCC010EC

Tgt Ion: 45 Resp: 749490

Ion Ratio Lower Upper

45 100

58 3.8 1.1 1.7#



#20

Methylene Chloride

Concen: 9.920 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

Tgt Ion: 84 Resp: 566838

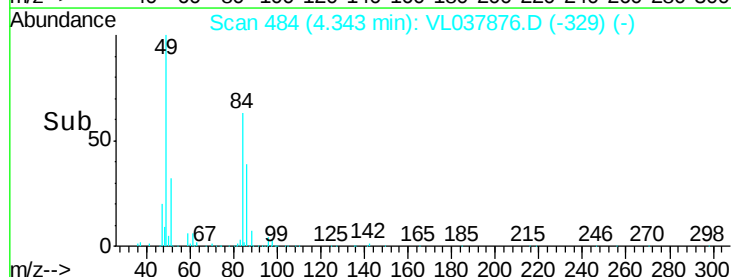
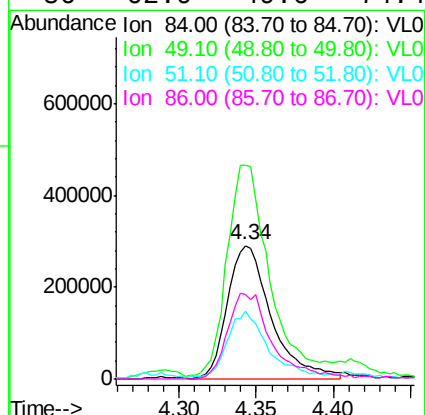
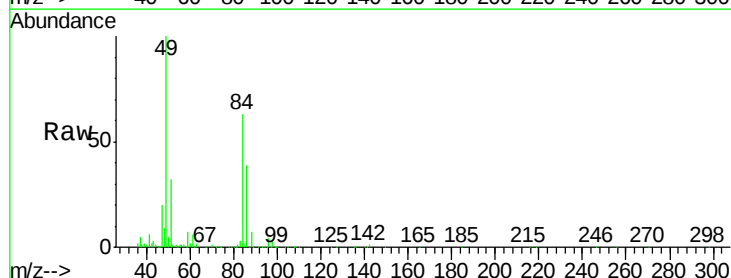
Ion Ratio Lower Upper

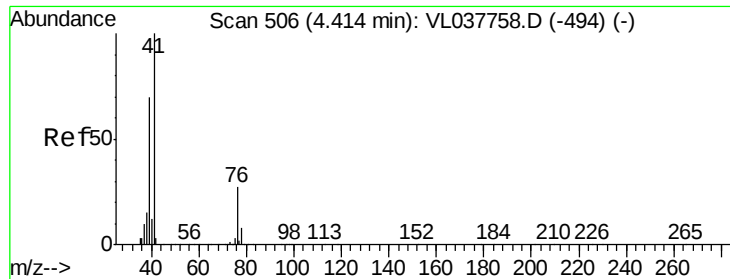
84 100

49 158.0 120.7 181.1

51 50.0 36.2 54.4

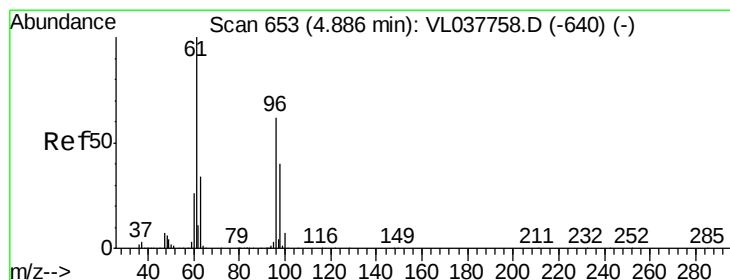
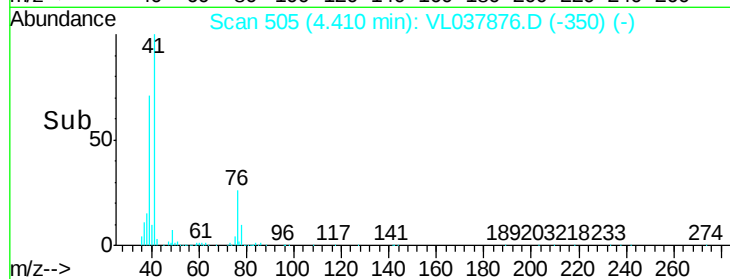
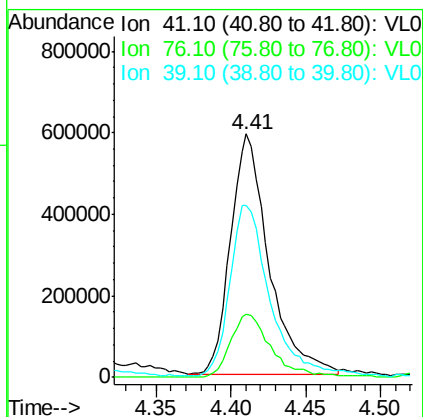
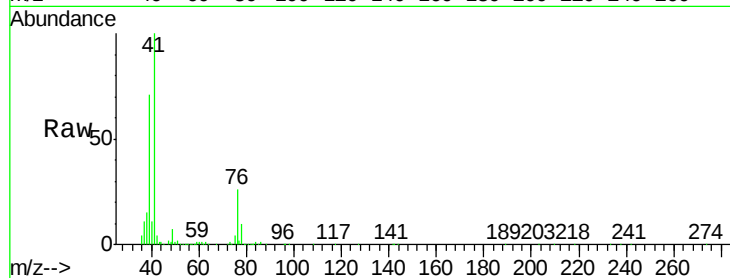
86 62.9 49.6 74.4





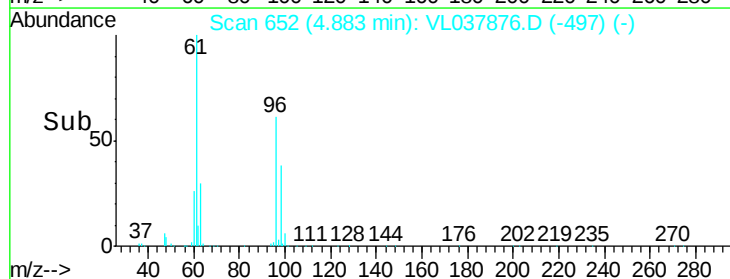
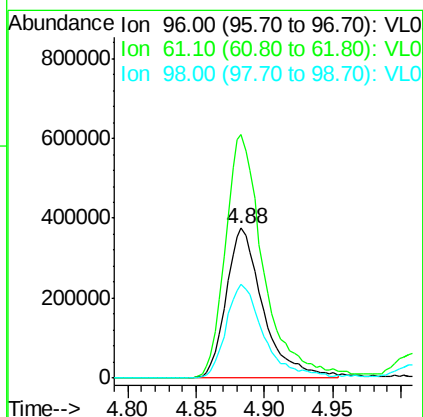
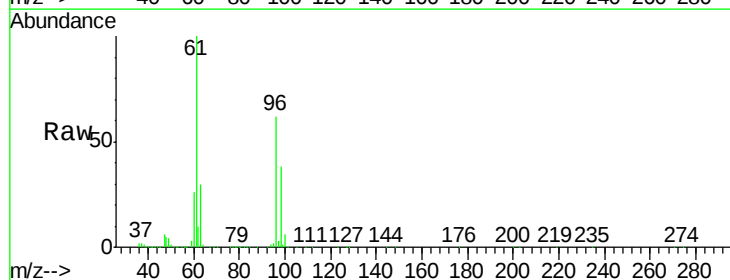
#21  
 Allyl Chloride  
 Concen: 10.462 ppbv  
 RT: 4.41  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

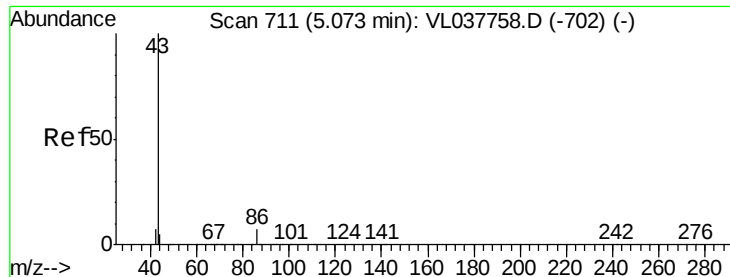
Tgt Ion: 41 Resp: 1048149  
 Ion Ratio Lower Upper  
 41 100  
 76 28.3 22.4 33.6  
 39 75.8 58.0 87.0



#22  
 trans-1,2-Dichloroethene  
 Concen: 11.438 ppbv  
 RT: 4.88 min Scan# 652  
 Delta R.T. -0.00 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 96 Resp: 710823  
 Ion Ratio Lower Upper  
 96 100  
 61 161.8 129.0 193.6  
 98 62.2 51.7 77.5





#23

Vinyl Acetate

Concen: 10.370 ppbv

RT: 5.07 Instrument:

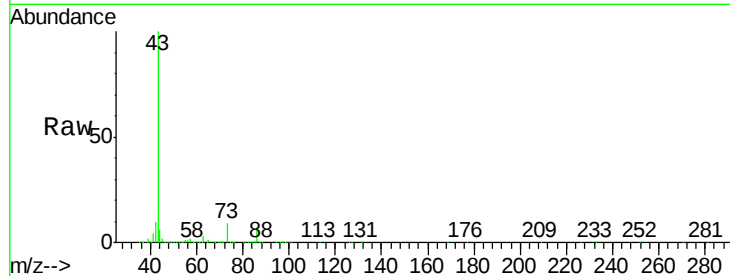
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01 VSTDCCC010EC

Tgt Ion: 43 Resp: 1757310

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.1   | 5.0   | 7.4   |
| 42  | 10.3  | 7.4   | 11.0  |
| 44  | 5.7   | 3.8   | 5.6#  |

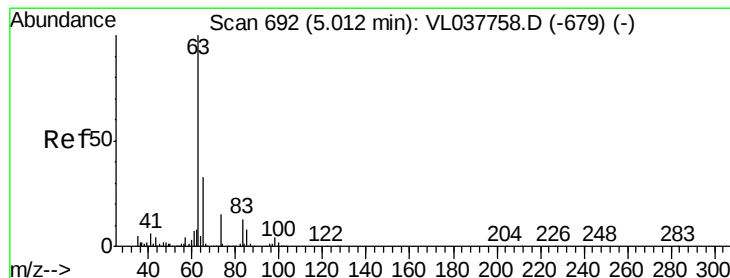
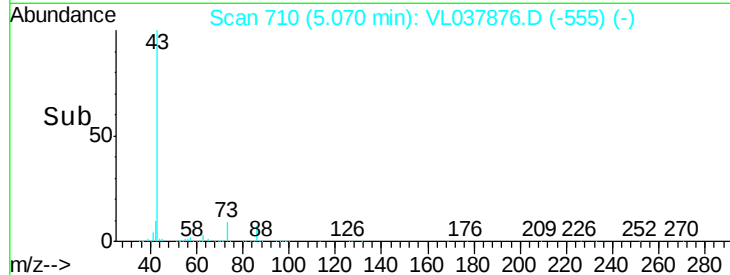
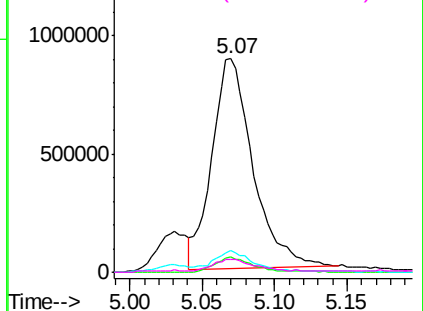


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 11.381 ppbv

RT: 5.01 min Scan# 691

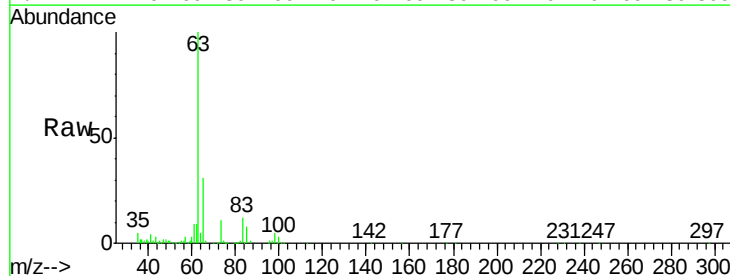
Delta R.T. -0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

Tgt Ion: 63 Resp: 1403980

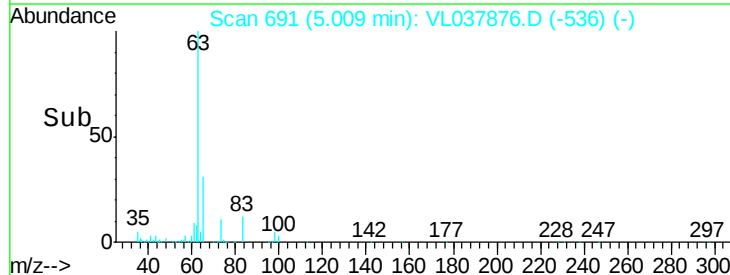
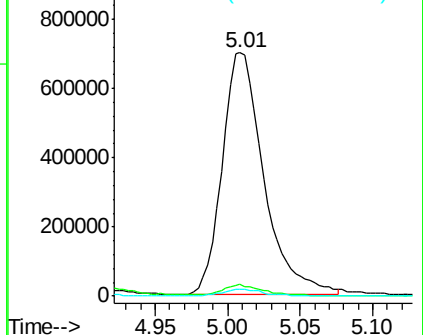
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.6   | 2.3   | 6.9   |
| 100 | 2.8   | 1.1   | 3.1   |

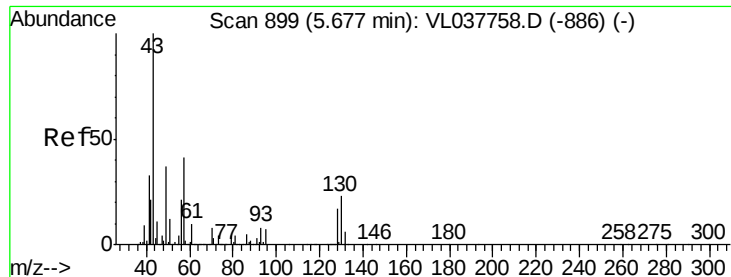


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

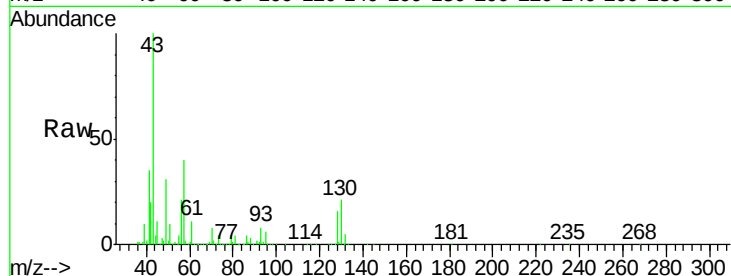




#25  
Ethyl Acetate  
Concen: 11.043 ppbv  
RT: 5.67 min  
Instrument: MSVOA\_1  
Delta R.T.: -0.01 min  
Lab File: ClientSampleId : VSTDCCC010EC  
Acq: 19 Oct 2021 12:01

Tgt Ion: 43 Resp: 3504394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.0  | 8.1   | 12.1  |
| 61  | 10.1  | 7.5   | 11.3  |
| 70  | 8.1   | 5.9   | 8.9   |



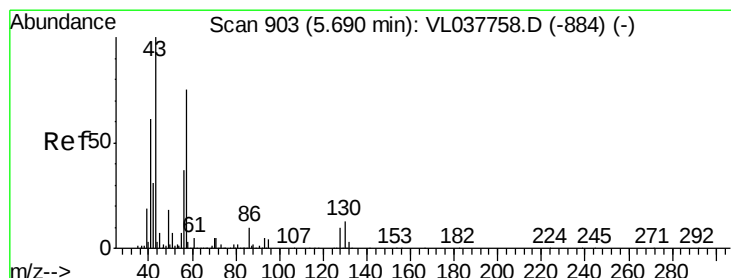
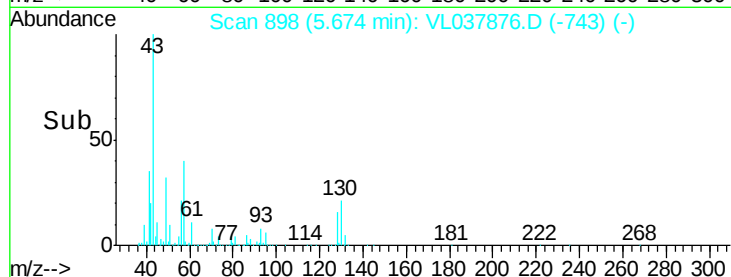
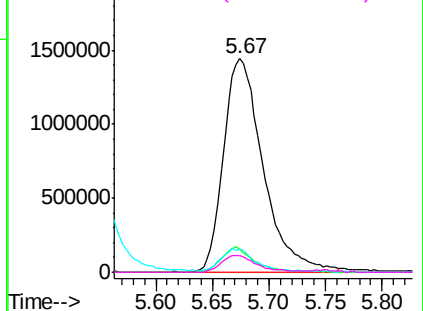
Abundance

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

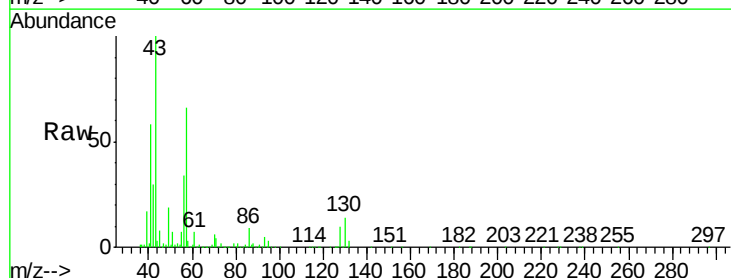
Ion 70.10 (69.80 to 70.80): VL0



#26  
Hexane  
Concen: 10.579 ppbv  
RT: 5.68 min Scan# 901  
Delta R.T.: -0.01 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 57 Resp: 1653052

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 90.8  | 69.6  | 104.4 |
| 43  | 215.2 | 171.4 | 257.0 |
| 56  | 54.1  | 42.0  | 63.0  |



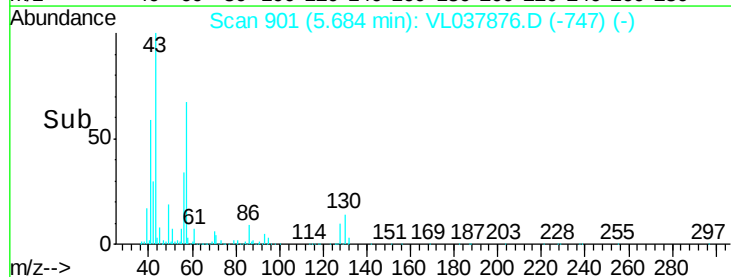
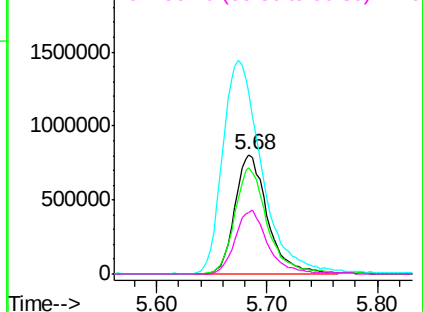
Abundance

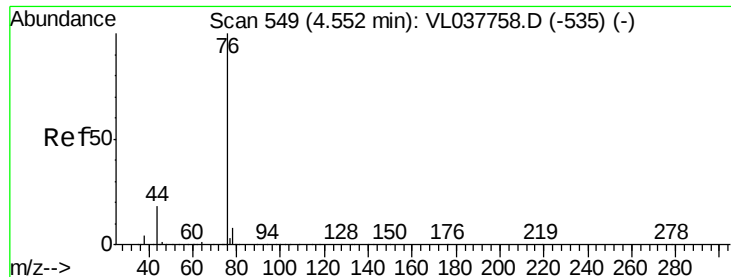
Ion 57.10 (56.80 to 57.80): VL0

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: 11.989 ppbv

RT: 4.55 Instrument: MSVOA\_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 19 Oct 2021 12:01

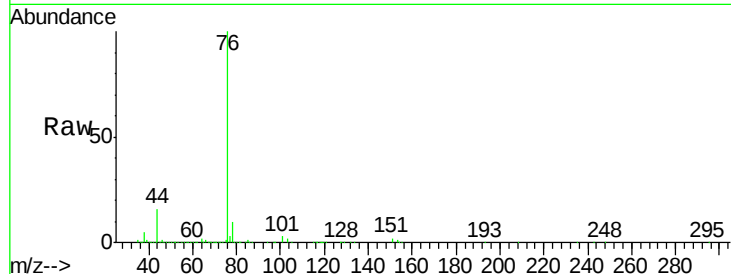
Tgt Ion: 76 Resp: 1660259

Ion Ratio Lower Upper

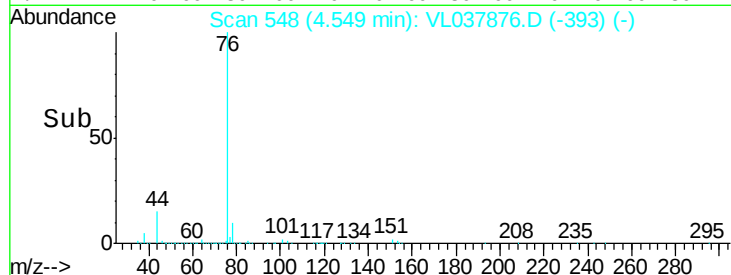
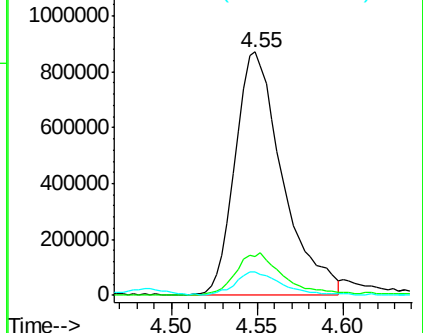
76 100

44 17.6 14.3 21.5

78 10.1 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 10.363 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL037876.D

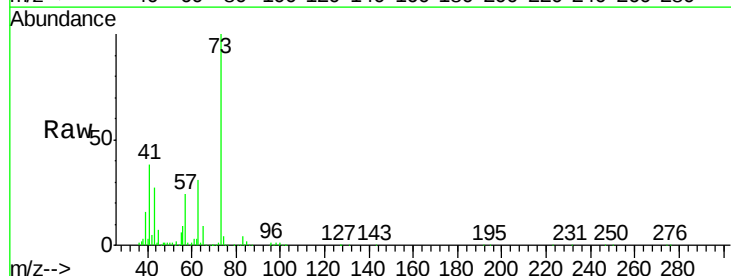
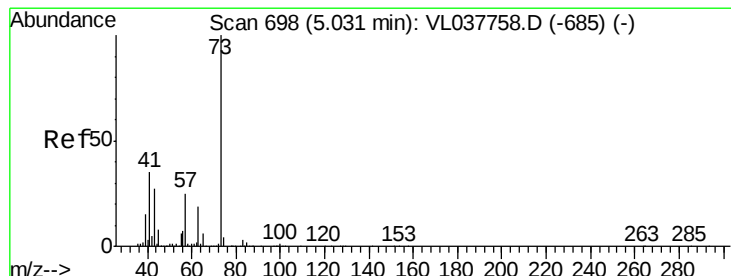
Acq: 19 Oct 2021 12:01

Tgt Ion: 73 Resp: 1348148

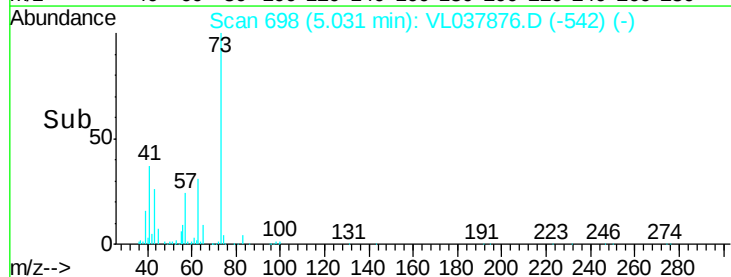
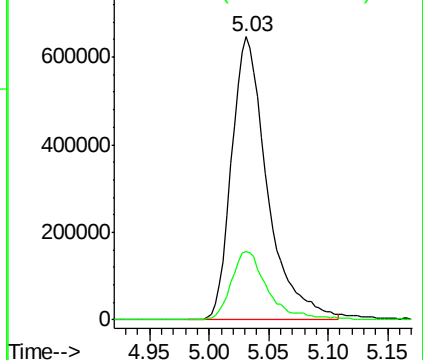
Ion Ratio Lower Upper

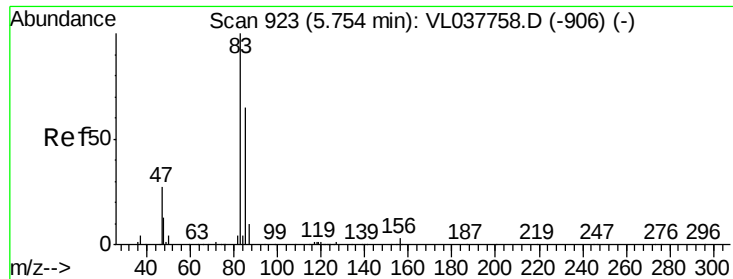
73 100

57 25.1 20.4 30.6



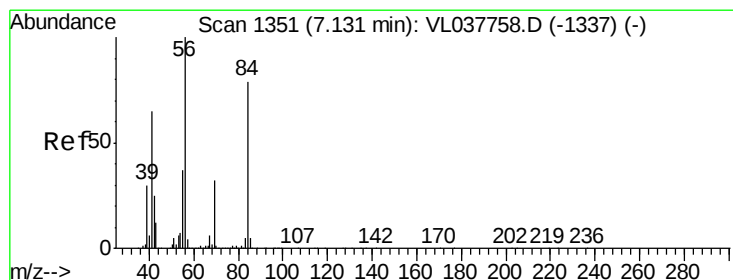
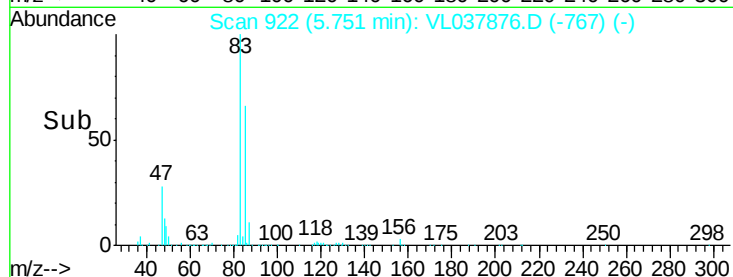
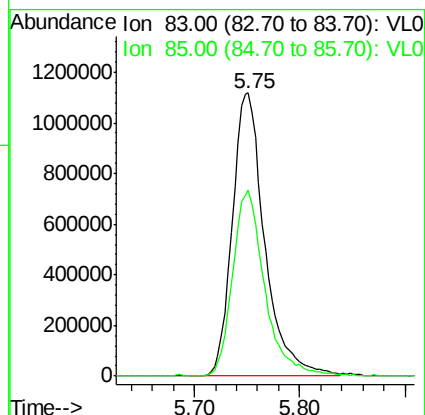
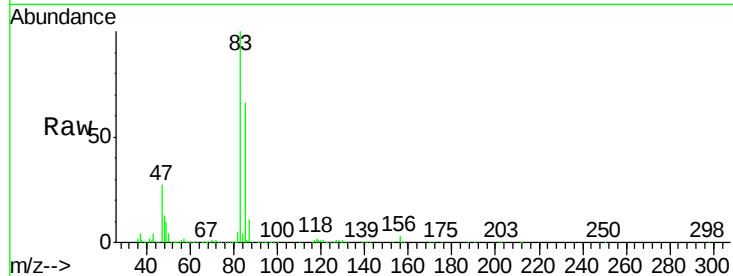
Abundance Ion 73.10 (72.80 to 73.80): VL0  
Ion 57.10 (56.80 to 57.80): VL0





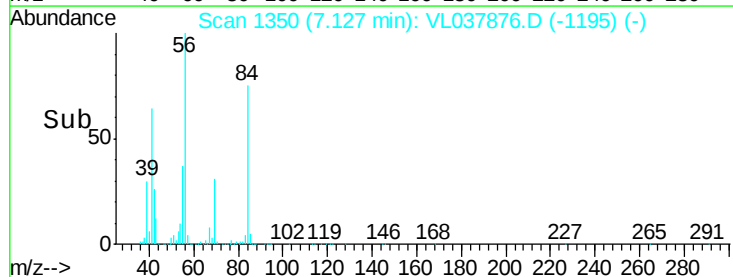
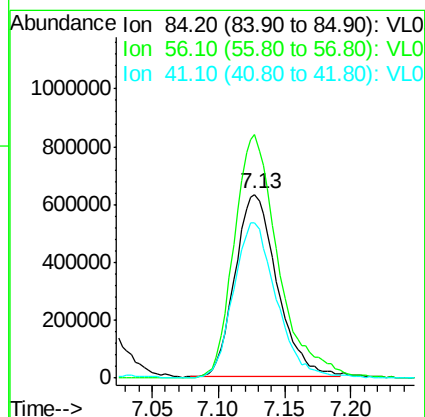
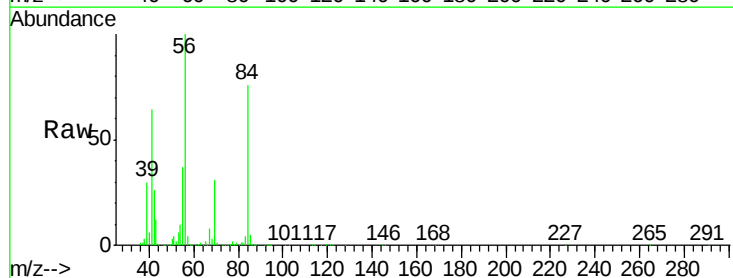
#29  
Chloroform  
Concen: 10.634 ppbv  
RT: 5.75  
Delta R.T.: MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 19 Oct 2021 12:01

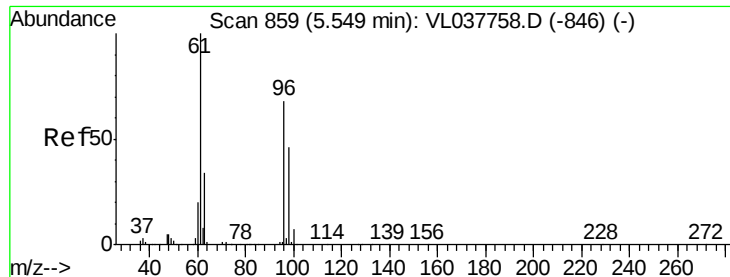
Tgt Ion: 83 Resp: 2375080  
Ion Ratio Lower Upper  
83 100  
85 65.5 51.8 77.8



#30  
Cyclohexane  
Concen: 10.568 ppbv  
RT: 7.13 min Scan# 1350  
Delta R.T.: -0.00 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 84 Resp: 1400308  
Ion Ratio Lower Upper  
84 100  
56 139.9 113.0 169.4  
41 86.7 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 10.570 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01 VSTDCCC010EC

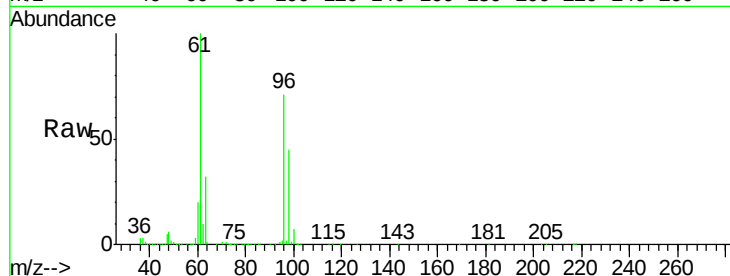
Tgt Ion: 61 Resp: 1499323

Ion Ratio Lower Upper

61 100

96 70.7 54.2 81.2

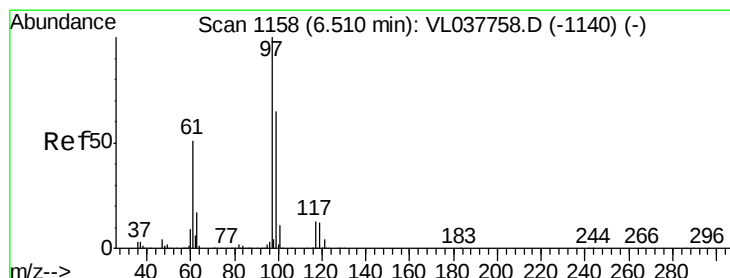
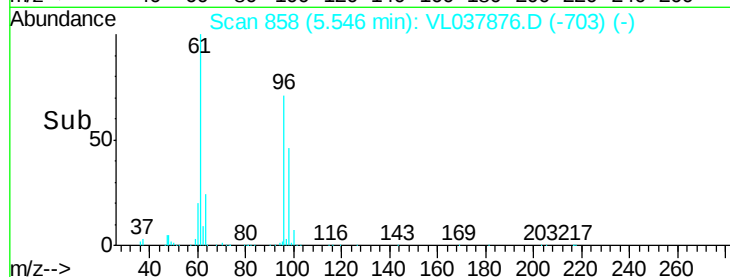
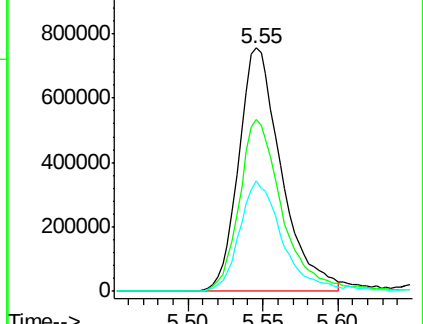
98 45.5 36.6 54.8



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.616 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

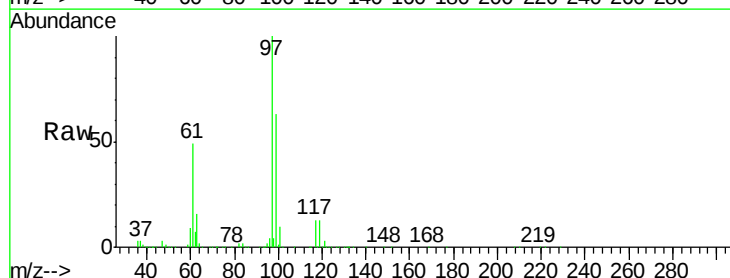
Tgt Ion: 97 Resp: 2248055

Ion Ratio Lower Upper

97 100

99 65.5 52.6 78.8

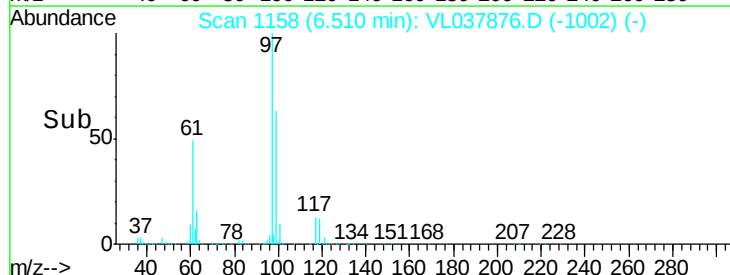
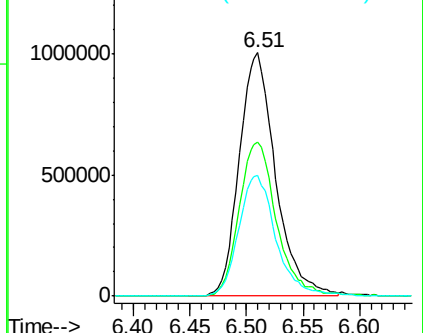
61 51.1 40.2 60.4

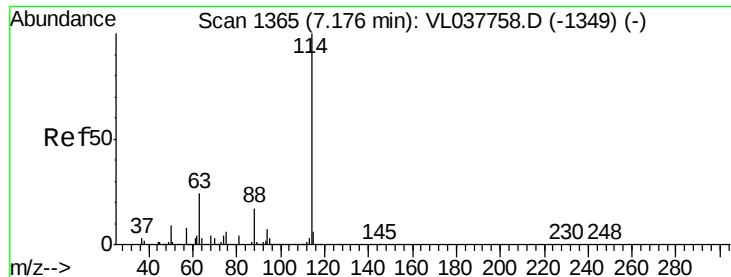


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

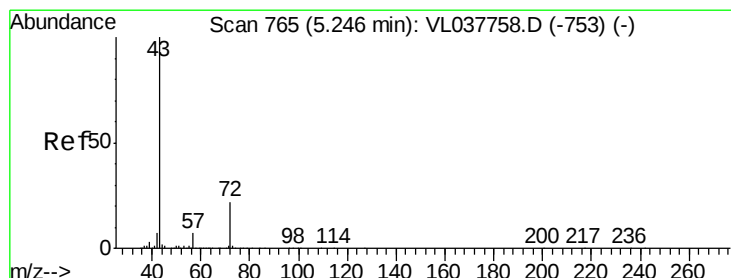
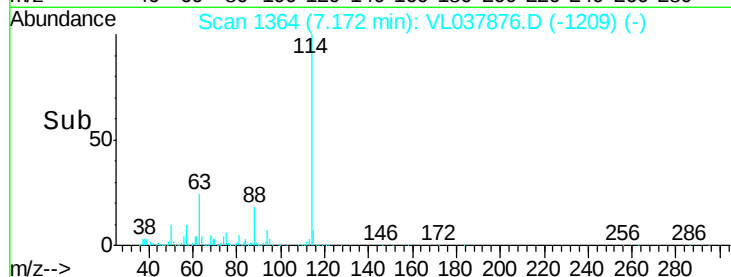
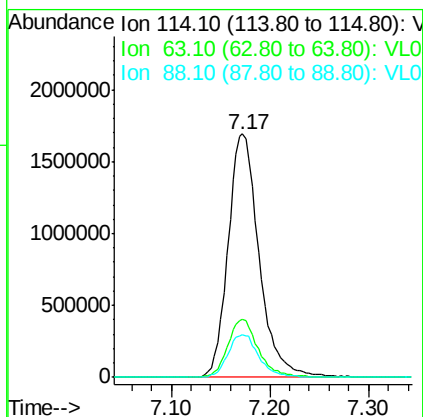
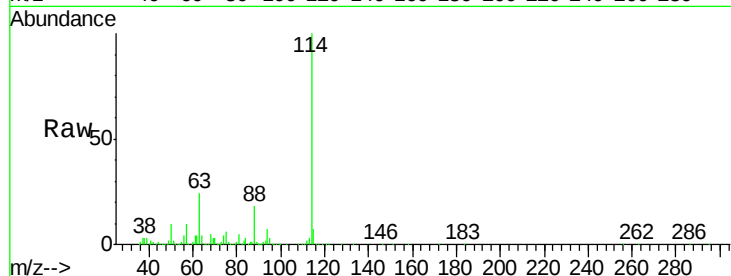
Ion 61.10 (60.80 to 61.80): VL0





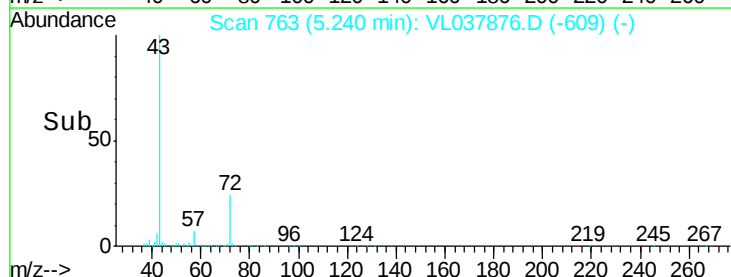
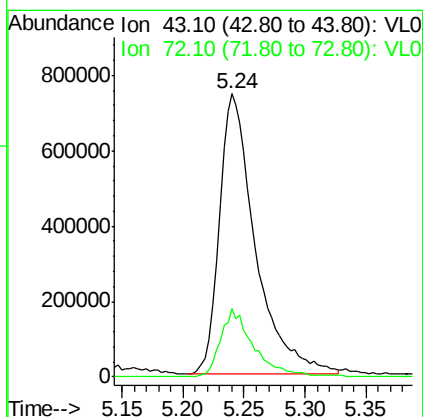
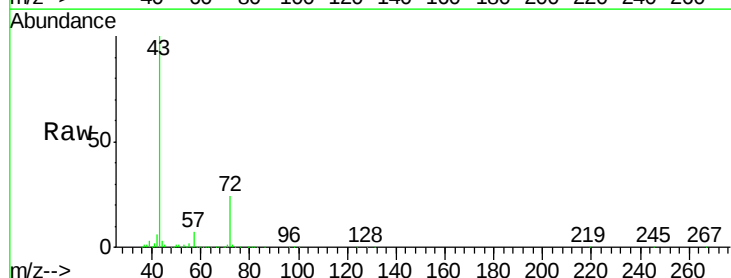
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

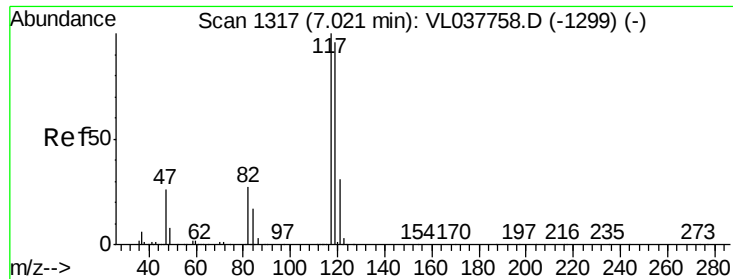
Tgt Ion: 114 Resp: 3711750  
 Ion Ratio Lower Upper  
 114 100  
 63 24.0 19.4 29.2  
 88 17.6 14.4 21.6



#34  
 2-Butanone  
 Concen: 10.277 ppbv  
 RT: 5.24 min Scan# 763  
 Delta R.T. -0.01 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 43 Resp: 1539946  
 Ion Ratio Lower Upper  
 43 100  
 72 22.4 18.2 27.2

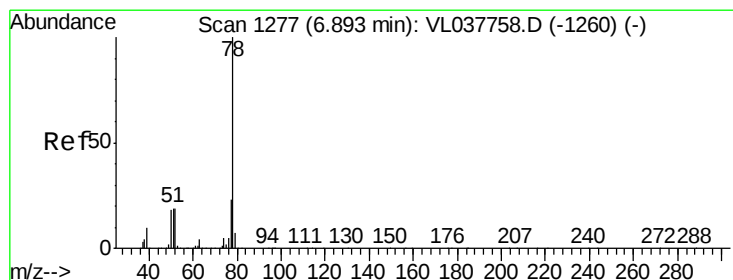
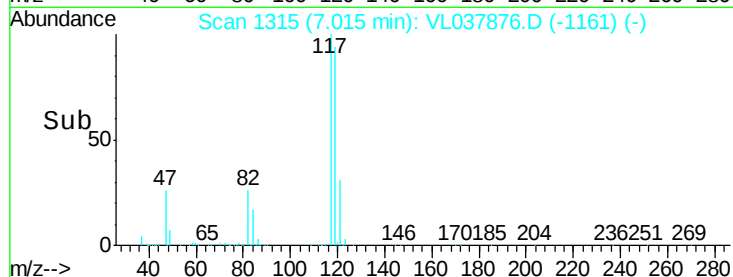
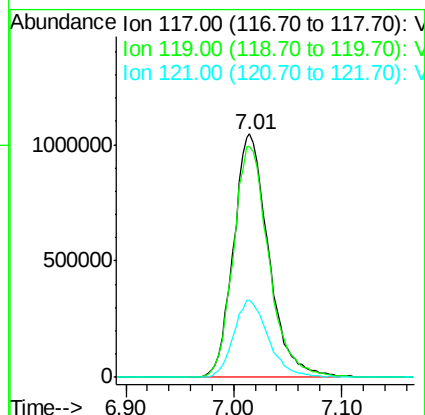
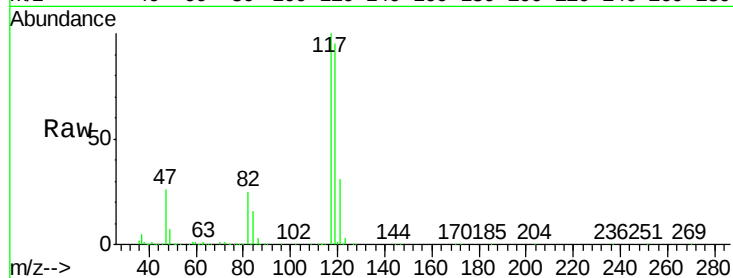




#35  
Carbon Tetrachloride  
Concen: 11.214 ppbv  
RT: 7.01  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId : VSTDCCC010EC  
Acq: 19 Oct 2021 12:01

Tgt Ion: 117 Resp: 2363865

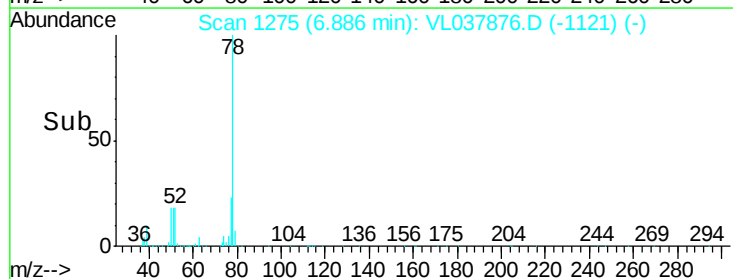
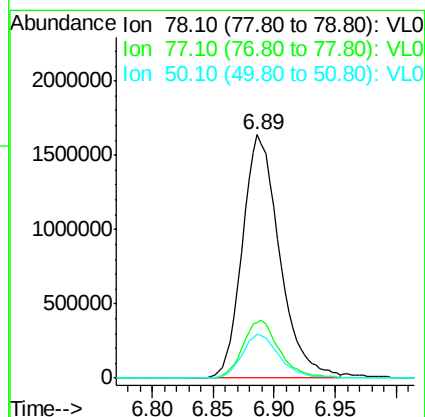
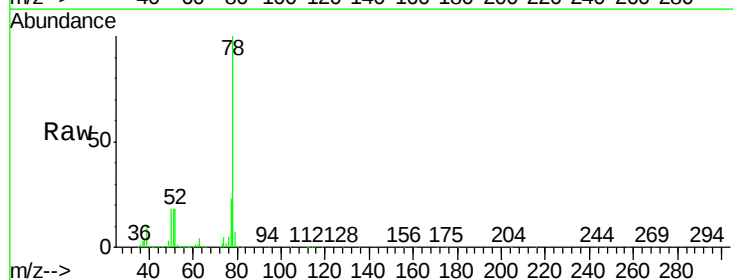
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.8  | 76.5  | 114.7 |
| 121 | 31.5  | 24.9  | 37.3  |

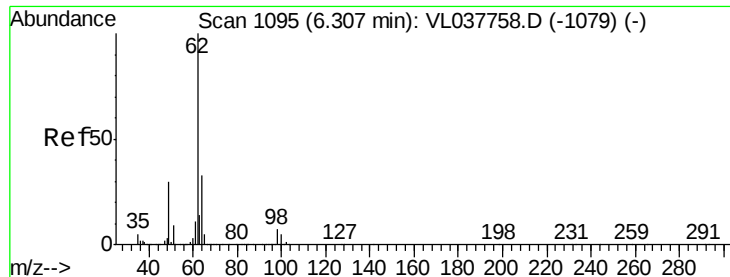


#36  
Benzene  
Concen: 10.900 ppbv  
RT: 6.89 min Scan# 1275  
Delta R.T.: -0.01 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 78 Resp: 3455562

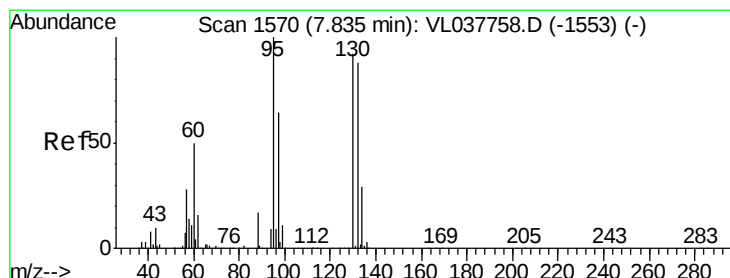
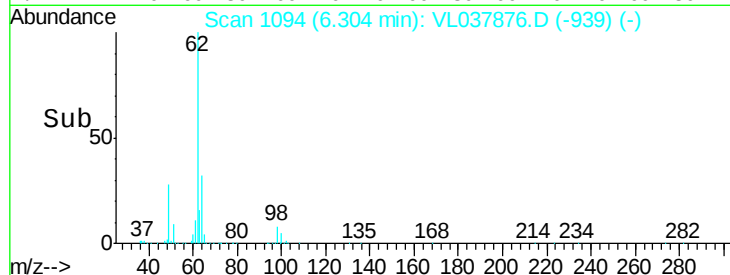
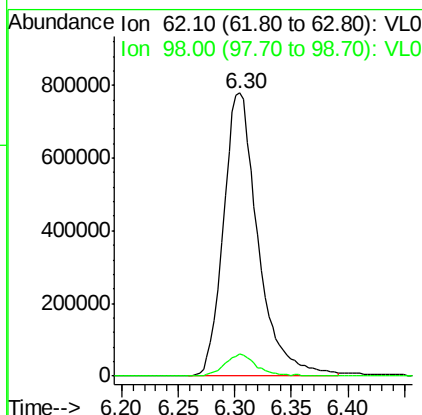
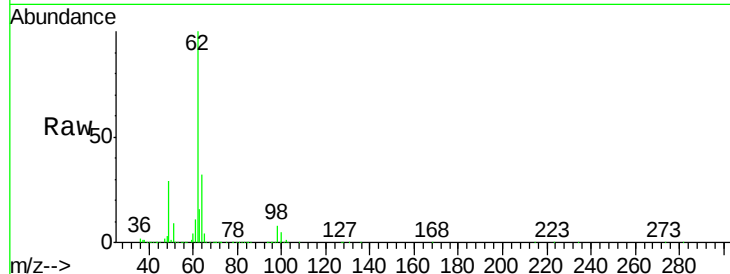
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 22.7  | 18.8  | 28.2  |
| 50  | 17.8  | 14.7  | 22.1  |





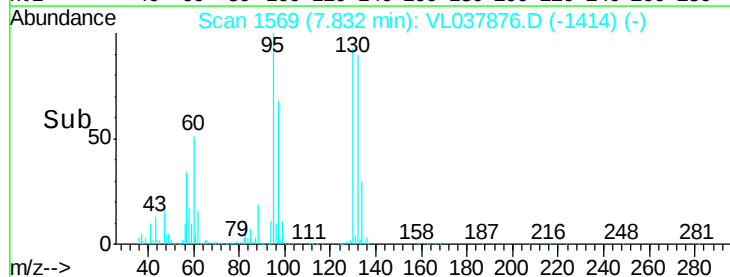
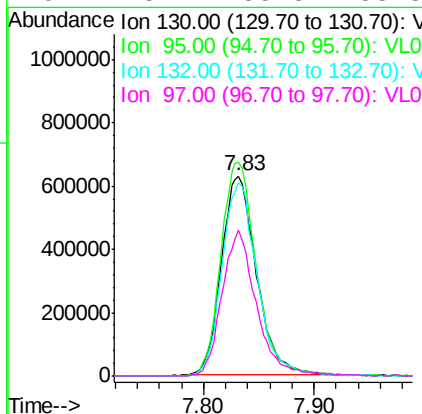
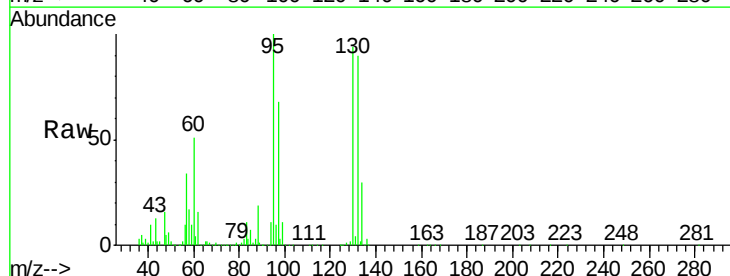
#37  
 1,2-Dichloroethane  
 Concen: 11.097 ppbv  
 RT: 6.30  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

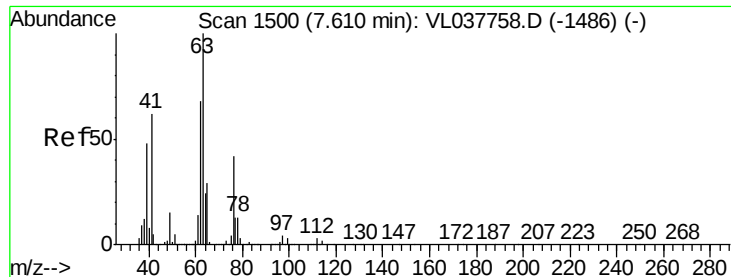
Tgt Ion: 62 Resp: 1656605  
 Ion Ratio Lower Upper  
 62 100  
 98 7.5 6.1 9.1



#38  
 Trichloroethene  
 Concen: 11.026 ppbv  
 RT: 7.83 min Scan# 1569  
 Delta R.T. -0.00 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

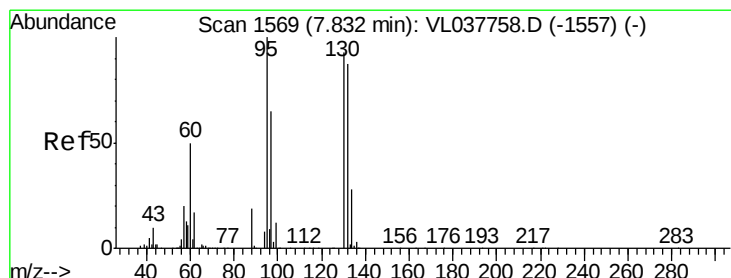
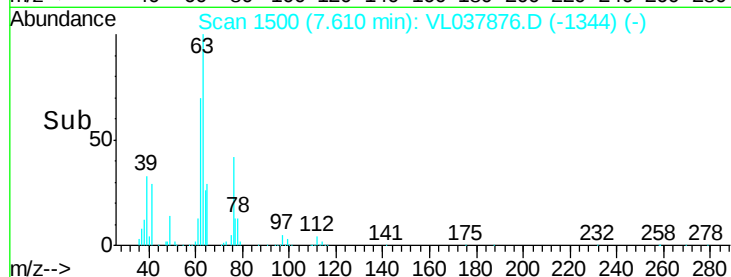
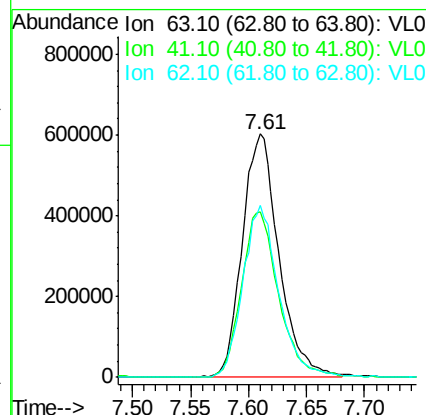
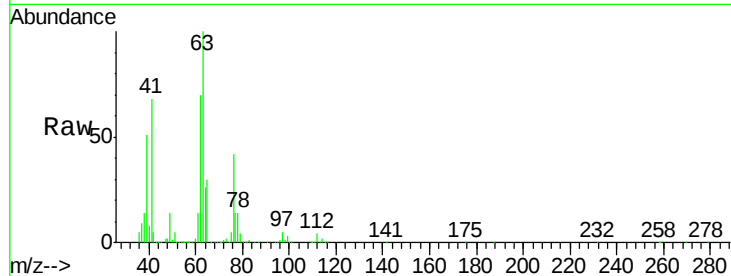
Tgt Ion: 130 Resp: 1381046  
 Ion Ratio Lower Upper  
 130 100  
 95 107.0 87.4 131.0  
 132 96.9 76.8 115.2  
 97 73.1 55.8 83.8





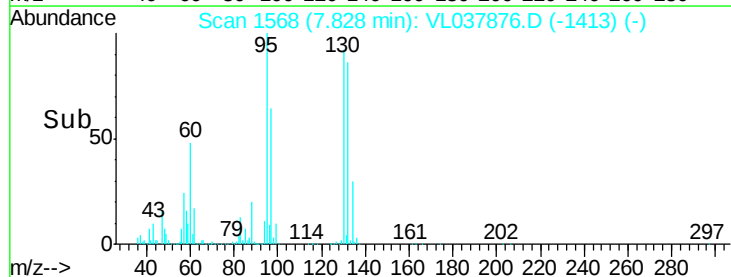
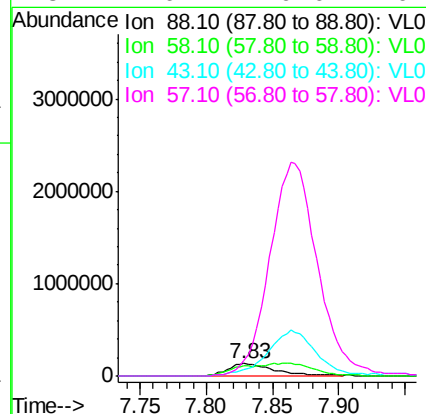
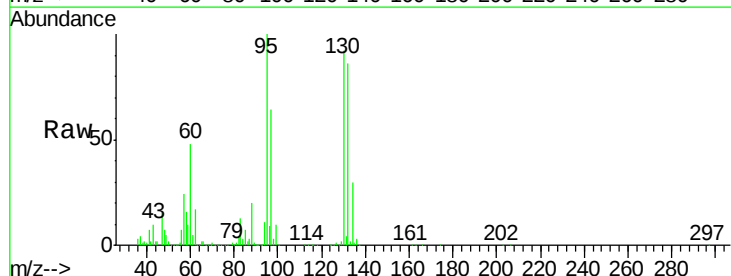
#39  
 1,2-Dichloropropane  
 Concen: 11.076 ppbv  
 RT: 7.61  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

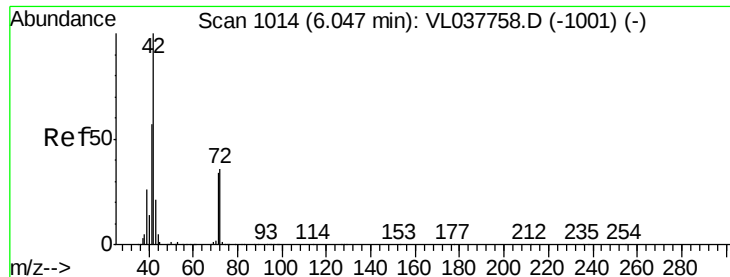
Tgt Ion: 63 Resp: 1320803  
 Ion Ratio Lower Upper  
 63 100  
 41 67.9 49.8 74.6  
 62 70.4 54.6 82.0



#40  
 1,4-Dioxane  
 Concen: 11.132 ppbv  
 RT: 7.83 min Scan# 1568  
 Delta R.T. -0.00 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 88 Resp: 332193  
 Ion Ratio Lower Upper  
 88 100  
 58 162.1 0.0 0.0#  
 43 399.8 0.0 0.0#  
 57 1770.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.543 ppbv

RT: 6.05

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01

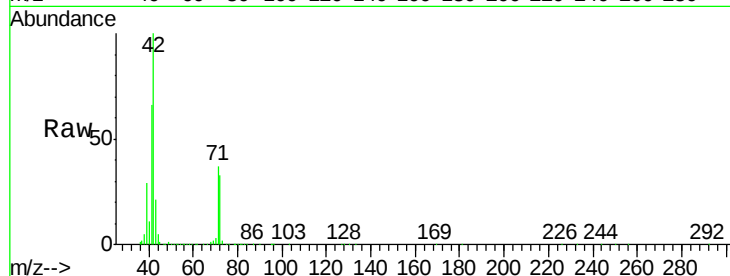
Tgt Ion: 42 Resp: 773582

Ion Ratio Lower Upper

42 100

72 38.8 31.9 47.9

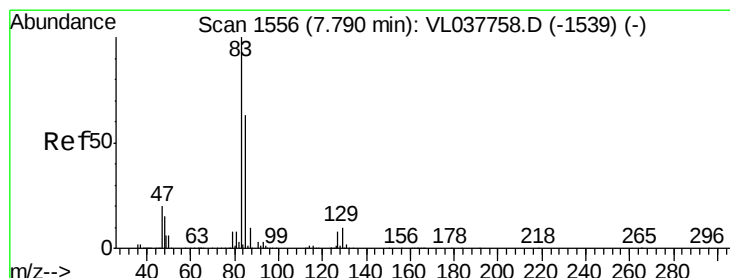
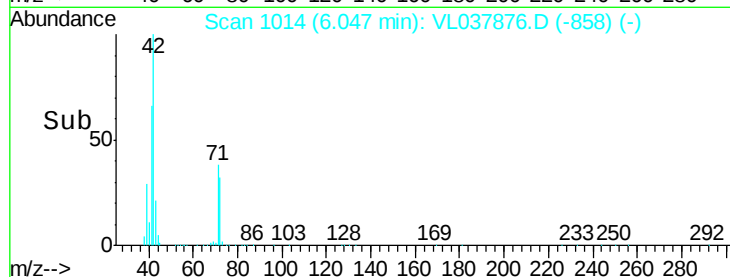
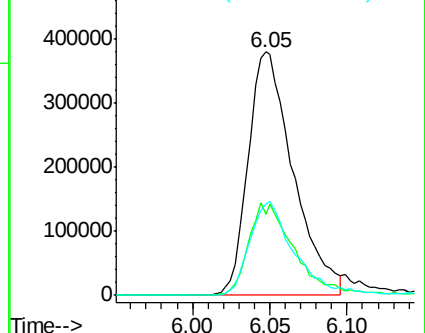
71 39.1 30.3 45.5



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



#42

Bromodichloromethane

Concen: 11.486 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

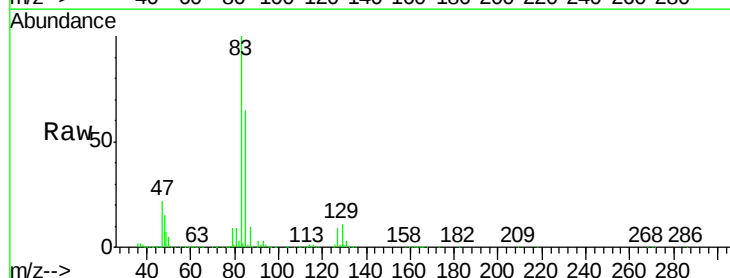
Tgt Ion: 83 Resp: 2518509

Ion Ratio Lower Upper

83 100

85 64.9 50.6 75.8

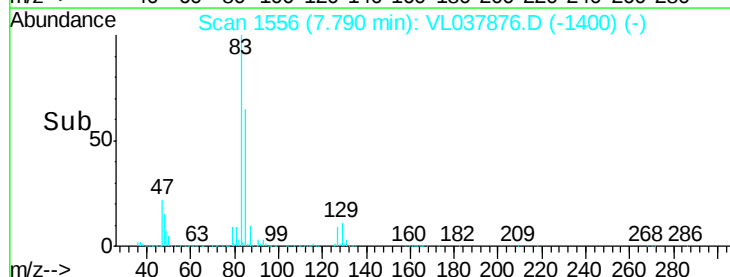
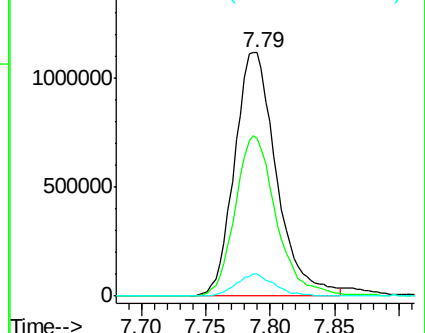
127 9.0 6.2 9.4

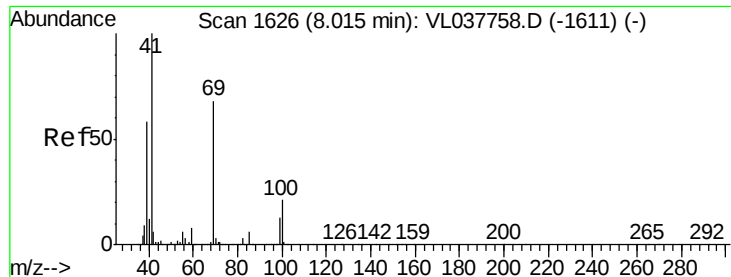


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

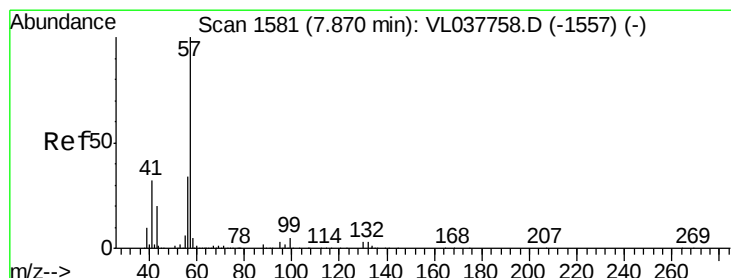
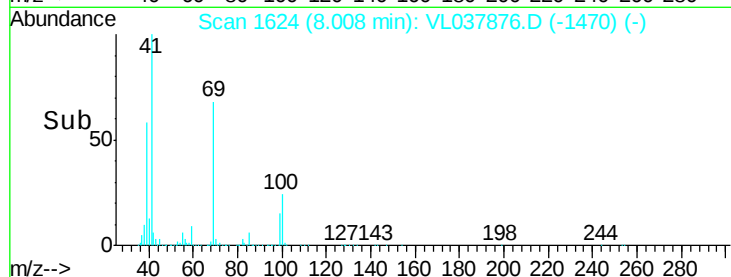
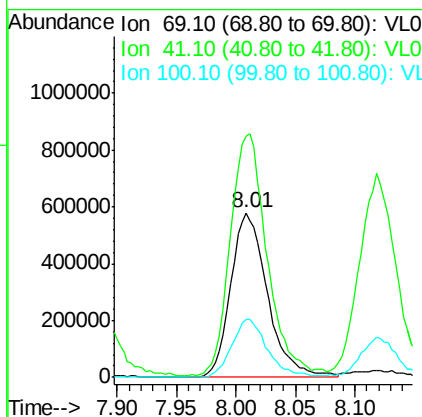
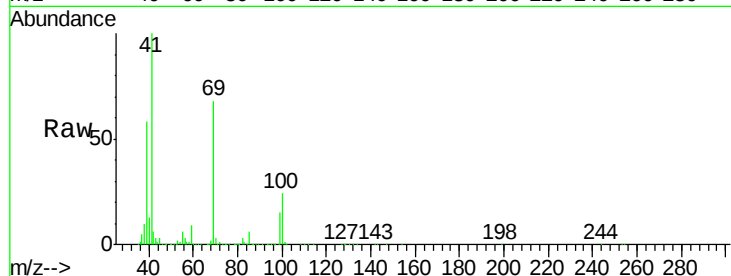




#43  
Methyl Methacrylate  
Concen: 11.979 ppbv  
RT: 8.01  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
VSTDCCC010EC  
Acq: 19 Oct 2021 12:01

Tgt Ion: 69 Resp: 1240432

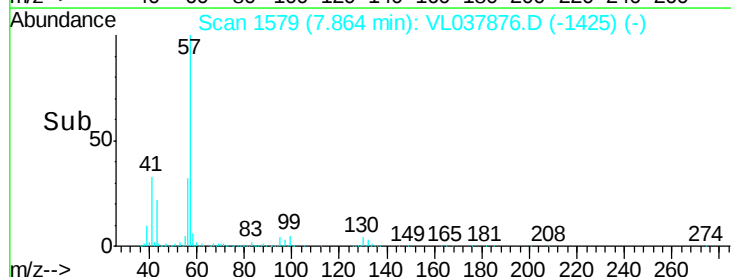
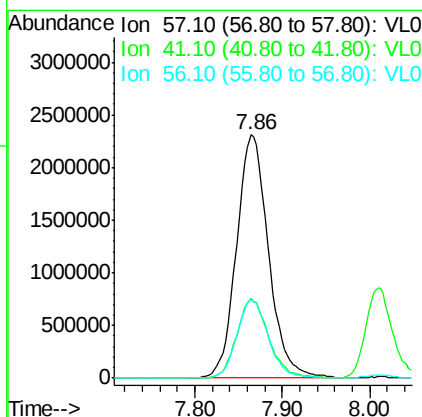
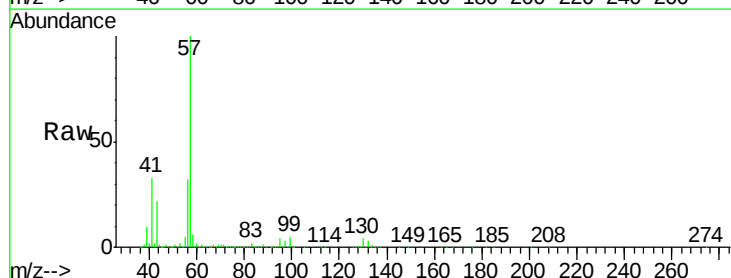
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 149.6 | 121.0 | 181.4 |
| 100 | 34.2  | 27.7  | 41.5  |

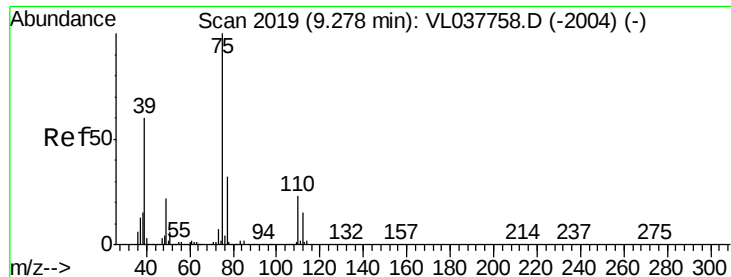


#44  
2,2,4-Trimethylpentane  
Concen: 11.011 ppbv  
RT: 7.86 min Scan# 1579  
Delta R.T.: -0.01 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 57 Resp: 5865116

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 32.6  | 25.6  | 38.4  |
| 56  | 31.9  | 25.5  | 38.3  |





#45

t-1,3-Dichloropropene

Concen: 11.407 ppbv

RT: 9.27 Instrument: MSVOA\_L

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

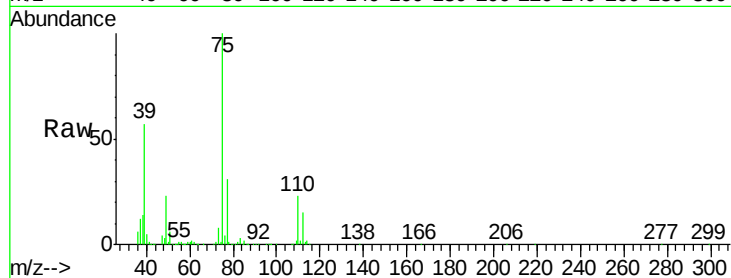
Acq: 19 Oct 2021 12:01

Tgt Ion: 75 Resp: 812748

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

400000

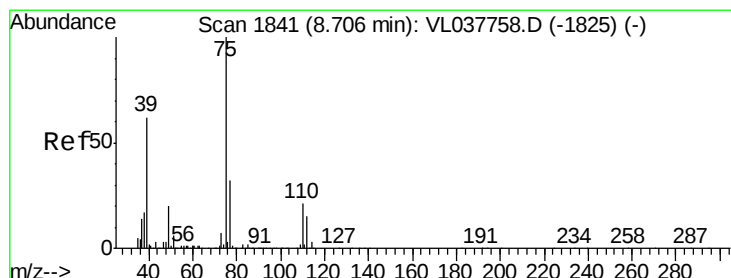
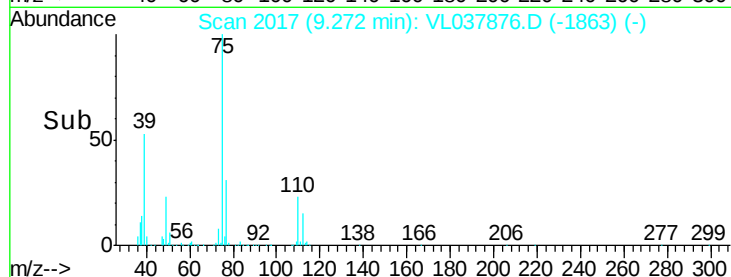
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.909 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

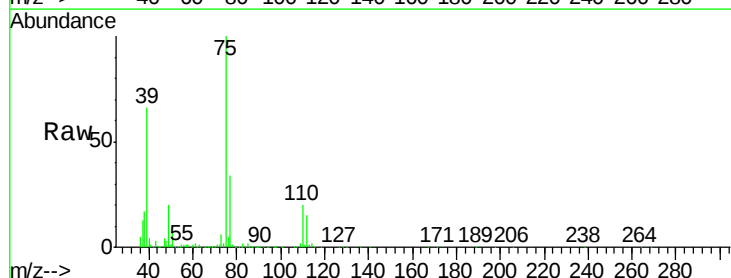
Tgt Ion: 75 Resp: 1077311

Ion Ratio Lower Upper

75 100

39 65.7 49.9 74.9

77 33.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.70

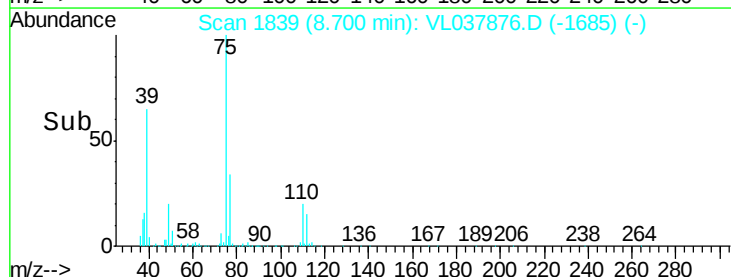
600000

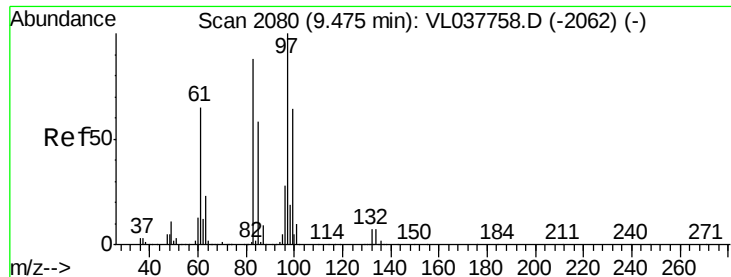
400000

200000

0

Time-->

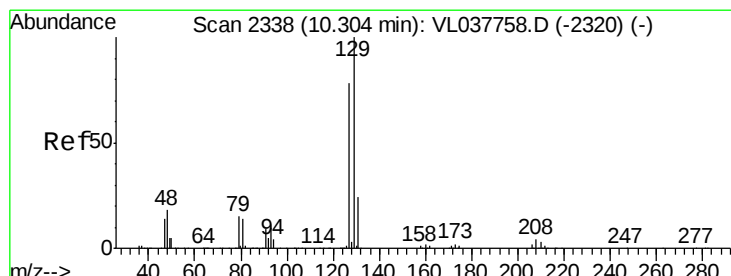
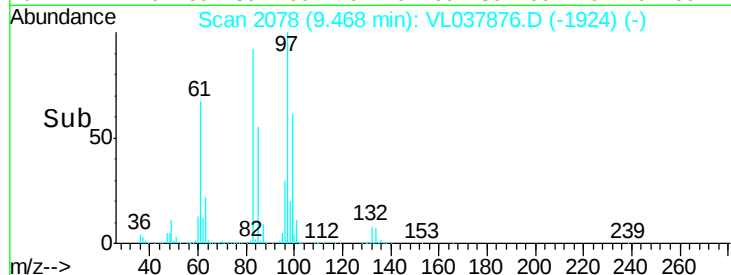
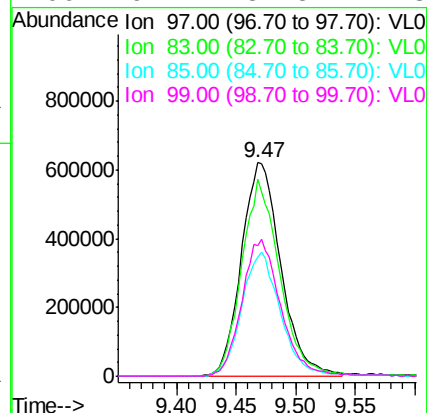
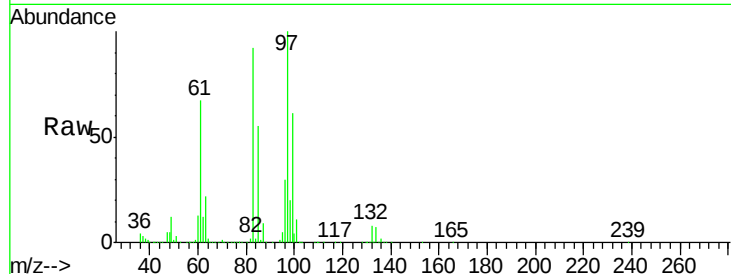




#47  
 1,1,2-Trichloroethane  
 Concen: 11.001 ppbv  
 RT: 9.47 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 97 Resp: 1426140

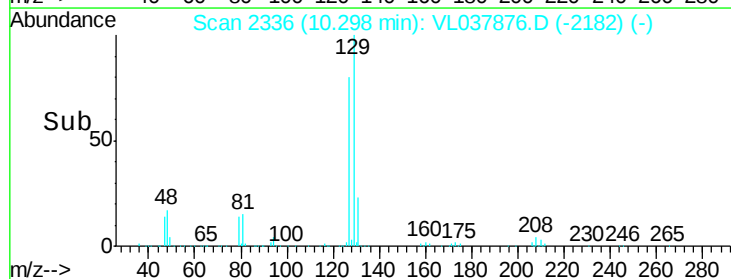
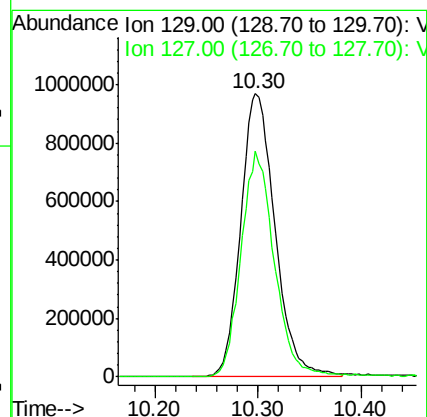
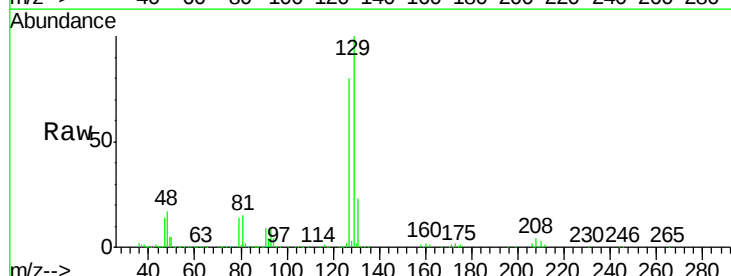
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 92.3  | 70.6  | 105.8 |
| 85  | 55.5  | 45.9  | 68.9  |
| 99  | 61.4  | 51.5  | 77.3  |

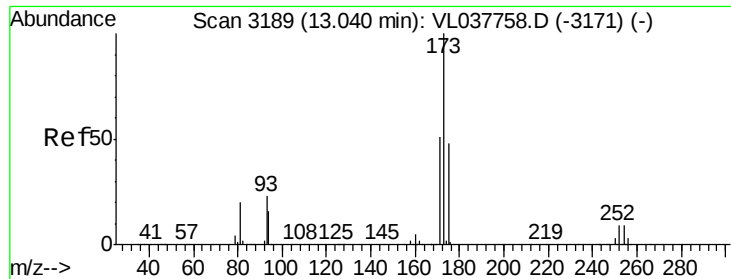


#48  
 Dibromochloromethane  
 Concen: 12.174 ppbv  
 RT: 10.30 min Scan# 2336  
 Delta R.T. -0.01 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 129 Resp: 2249840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.3  | 39.5  | 118.5 |





#49

Bromoform

Concen: 12.981 ppbv

RT: 13.03

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 19 Oct 2021 12:01 VSTDCCC010EC

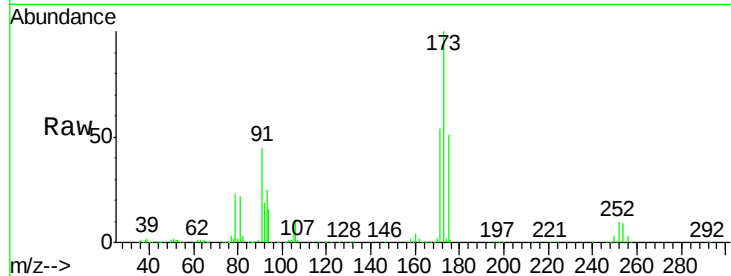
Tgt Ion: 173 Resp: 1835505

Ion Ratio Lower Upper

173 100

175 52.6 39.9 59.9

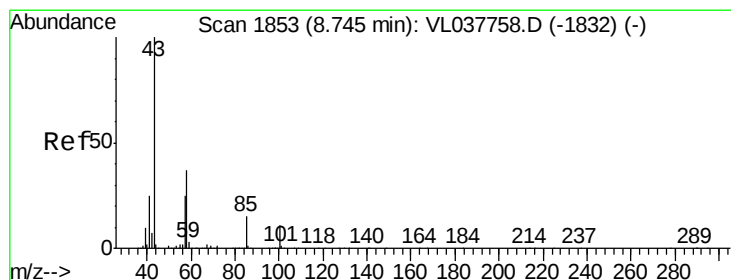
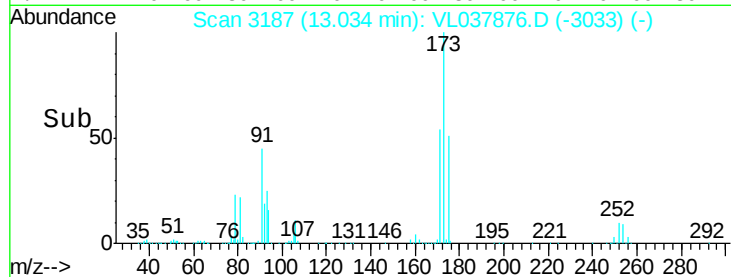
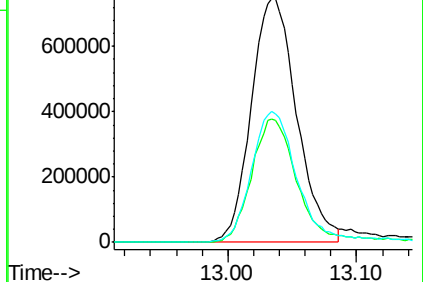
171 55.0 43.4 65.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.721 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL037876.D

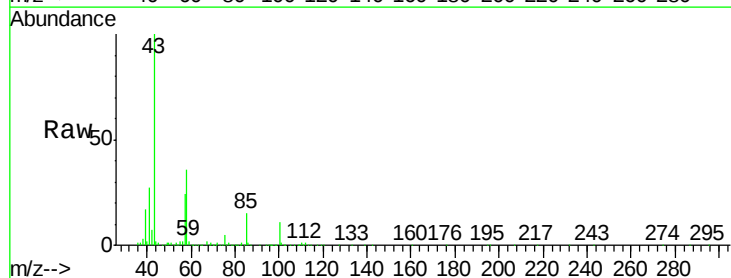
Acq: 19 Oct 2021 12:01

Tgt Ion: 43 Resp: 2286380

Ion Ratio Lower Upper

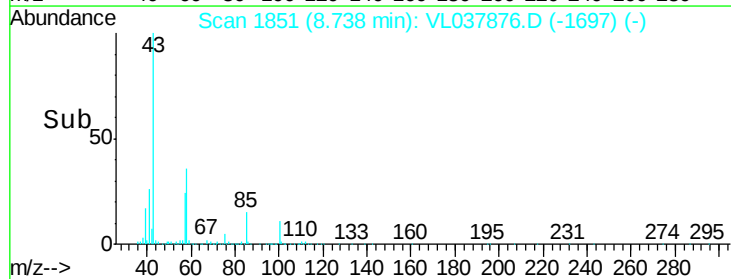
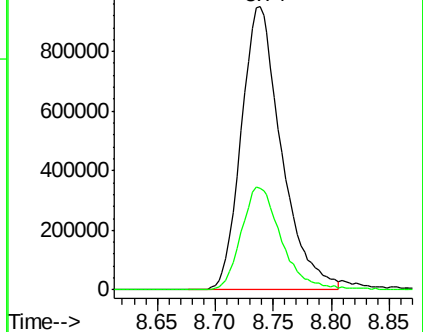
43 100

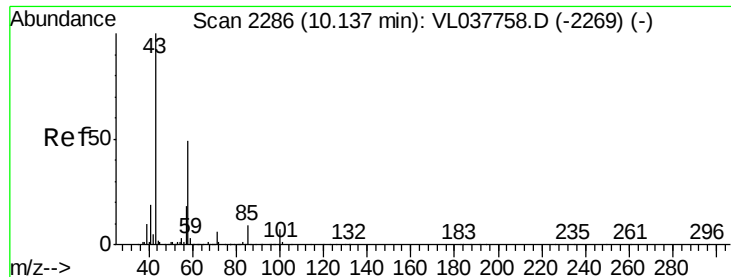
58 36.7 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

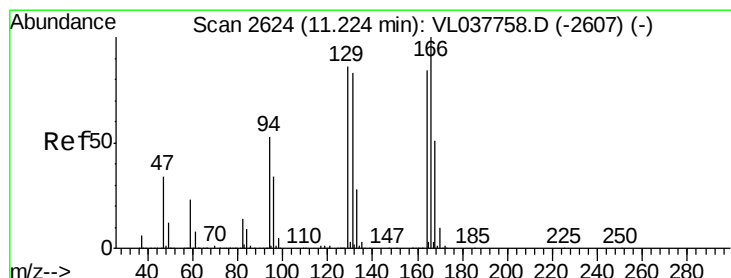
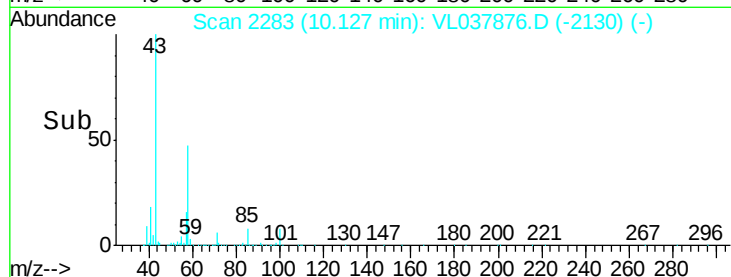
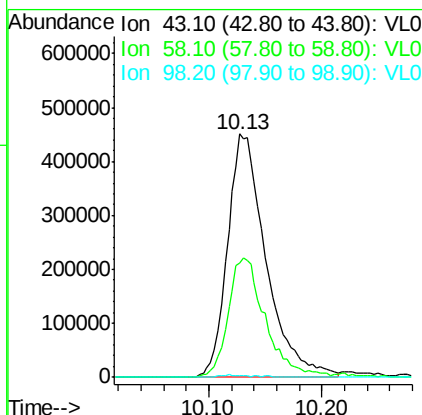
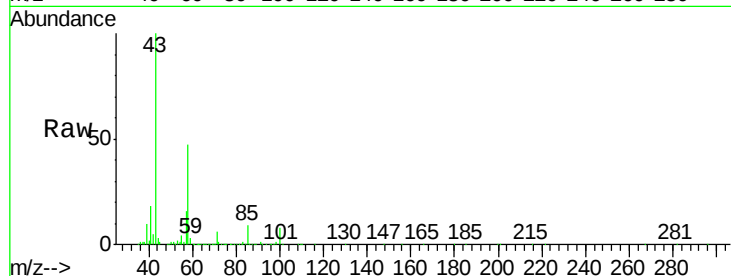




#51  
2-Hexanone  
Concen: 12.246 ppbv  
RT: 10.13 min  
Delta R.T.: MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 19 Oct 2021 12:01

Tgt Ion: 43 Resp: 1066425

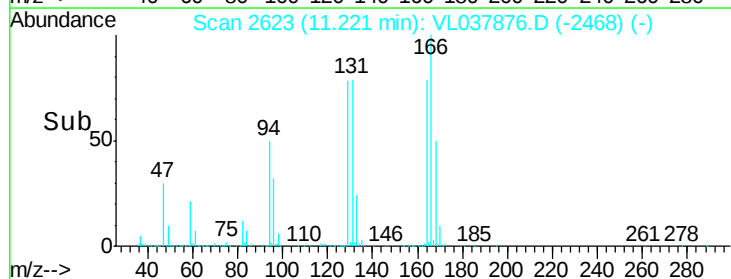
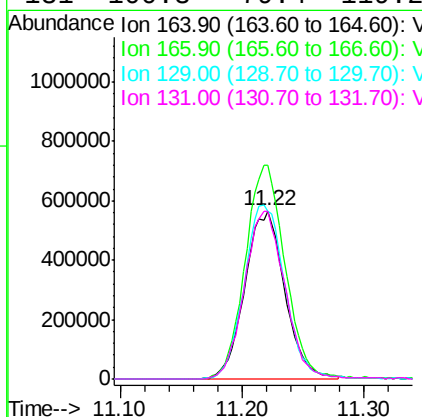
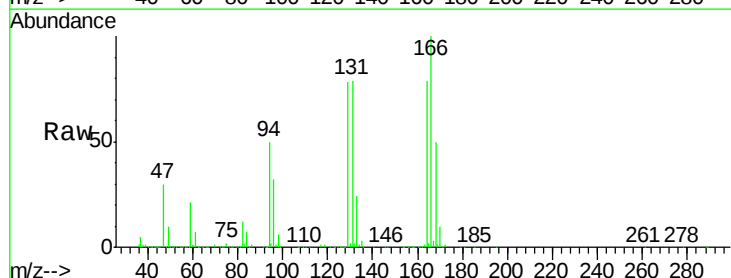
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 48.2  | 39.4  | 59.0  |
| 98  | 1.1   | 0.3   | 0.5#  |

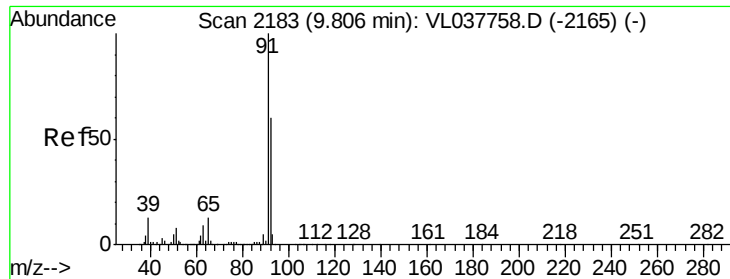


#52  
Tetrachloroethene  
Concen: 10.305 ppbv  
RT: 11.22 min Scan# 2623  
Delta R.T.: -0.00 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 164 Resp: 1271067

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 127.4 | 95.4  | 143.2 |
| 129 | 99.6  | 82.2  | 123.4 |
| 131 | 100.3 | 79.4  | 119.2 |





#53

Toluene

Concen: 11.532 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

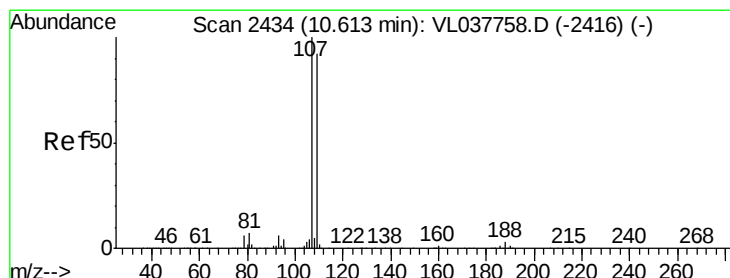
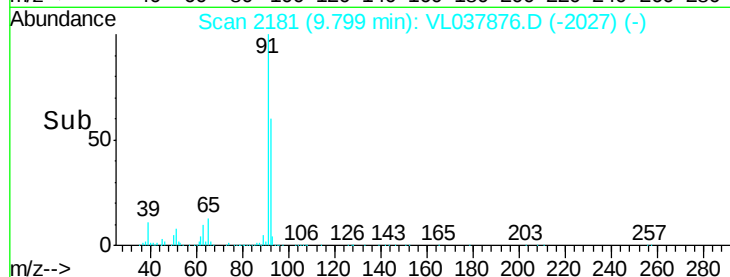
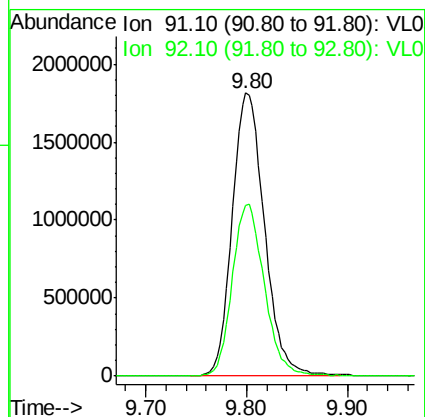
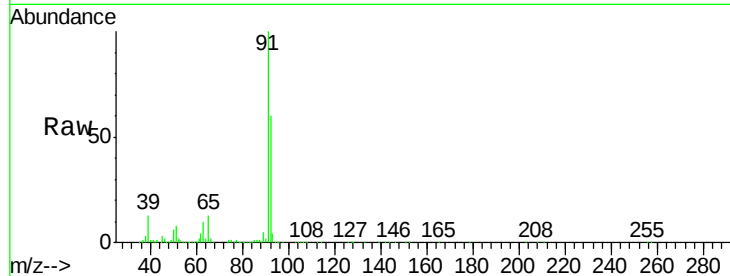
Acq: 19 Oct 2021 12:01 VSTDCCC010EC

Tgt Ion: 91 Resp: 4051544

Ion Ratio Lower Upper

91 100

92 60.8 48.4 72.6



#54

1,2-Dibromoethane

Concen: 11.238 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL037876.D

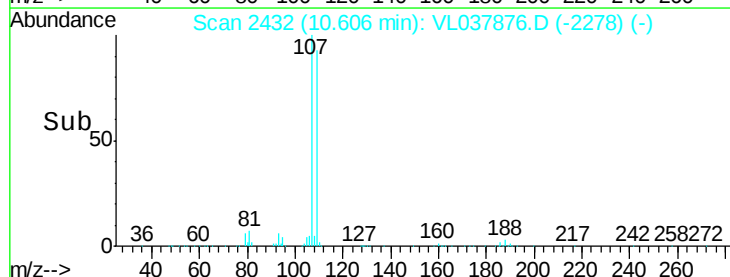
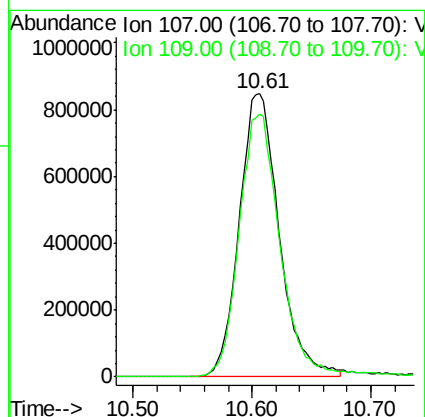
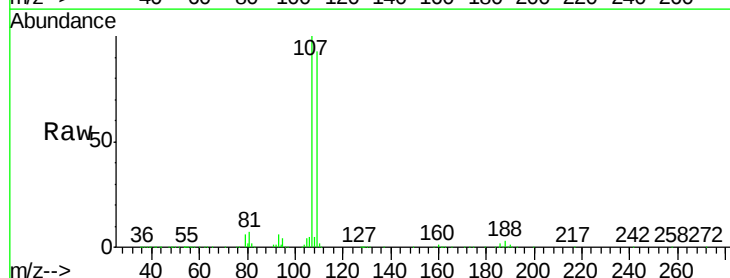
Acq: 19 Oct 2021 12:01

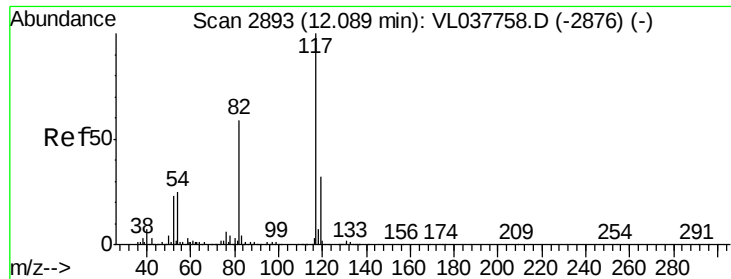
Tgt Ion: 107 Resp: 1967883

Ion Ratio Lower Upper

107 100

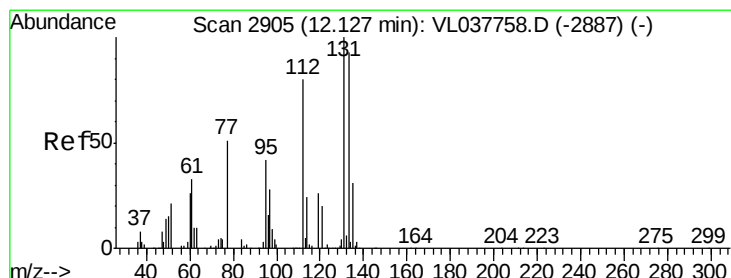
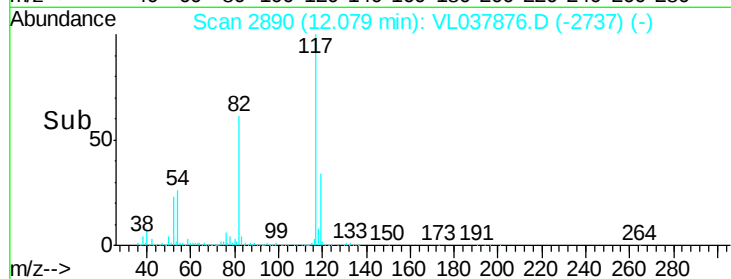
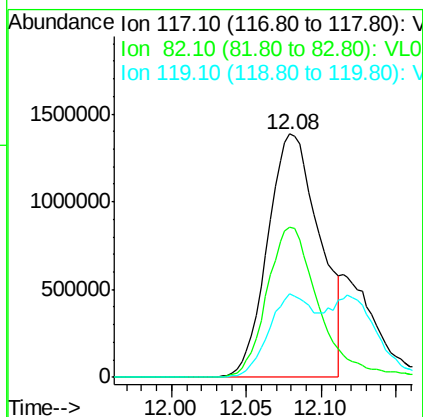
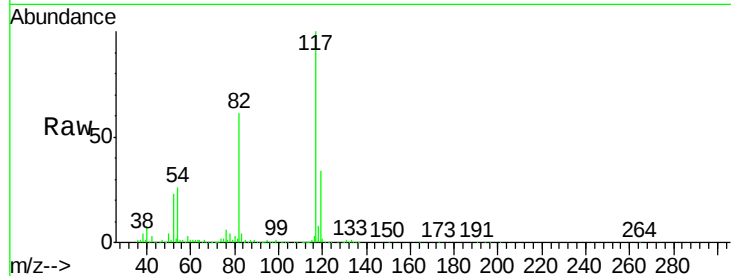
109 92.7 73.8 110.6





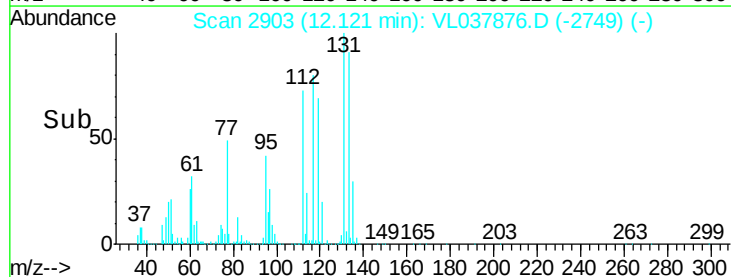
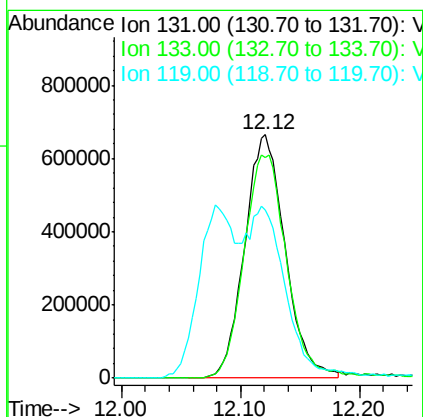
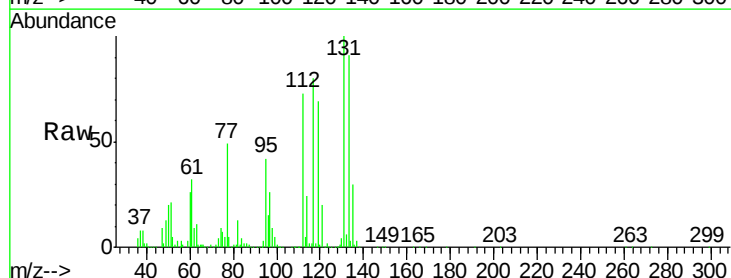
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
VSTDCCC010EC  
Acq: 19 Oct 2021 12:01

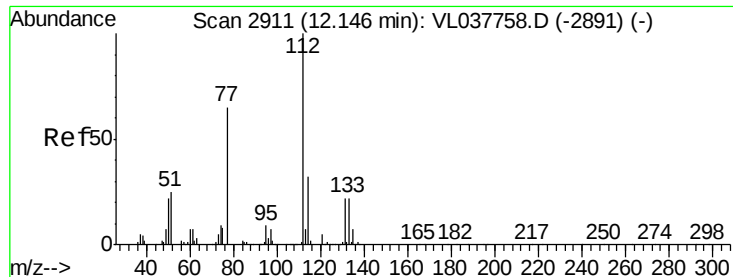
Tgt Ion: 117 Resp: 3346376  
Ion Ratio Lower Upper  
117 100  
82 62.7 52.2 78.2  
119 27.5 26.0 39.0



#56  
1,1,1,2-Tetrachloroethane  
Concen: 11.308 ppbv  
RT: 12.12 min Scan# 2903  
Delta R.T.: -0.01 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

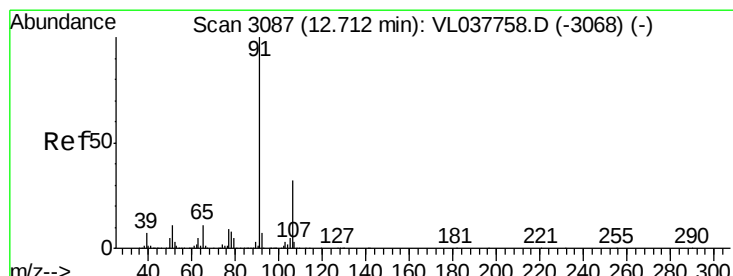
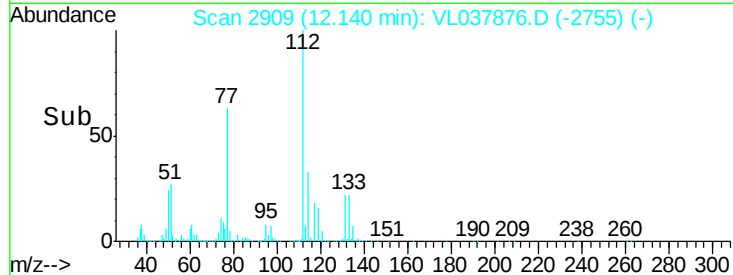
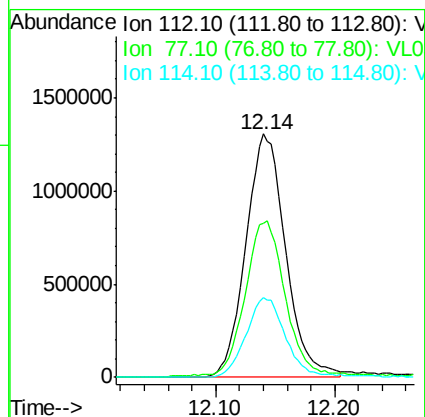
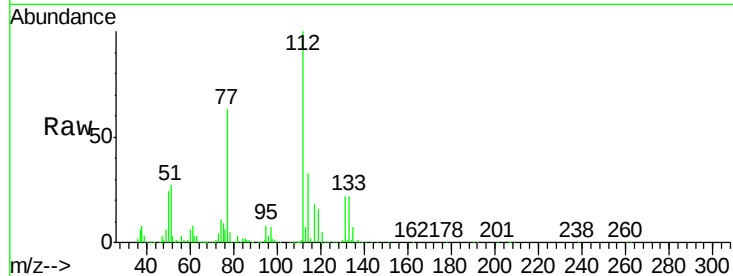
Tgt Ion: 131 Resp: 1566490  
Ion Ratio Lower Upper  
131 100  
133 97.8 78.5 117.7  
119 66.0 51.7 77.5





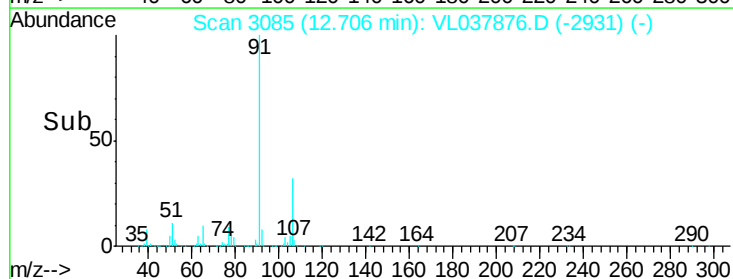
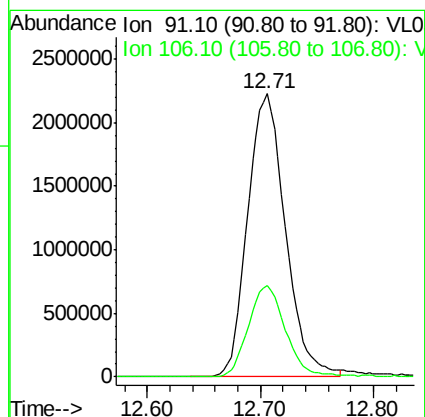
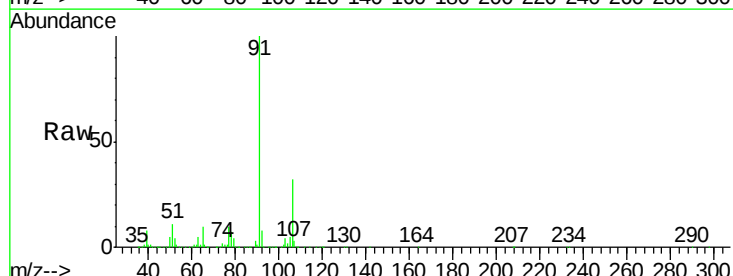
#57  
Chlorobenzene  
Concen: 11.005 ppbv  
RT: 12.14 min  
Instrument: MSVOA\_L  
Delta R.T.: -0.01 min  
Lab File: ClientSampleId: VSTDCCC010EC  
Acq: 19 Oct 2021 12:01

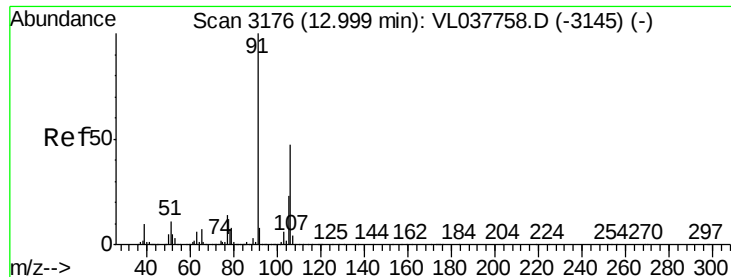
Tgt Ion: 112 Resp: 3021207  
Ion Ratio Lower Upper  
112 100  
77 62.1 51.8 77.8  
114 32.4 28.8 35.2



#58  
Ethyl Benzene  
Concen: 11.522 ppbv  
RT: 12.71 min Scan# 3085  
Delta R.T.: -0.01 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

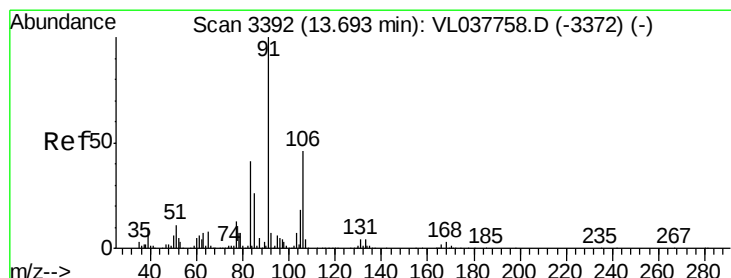
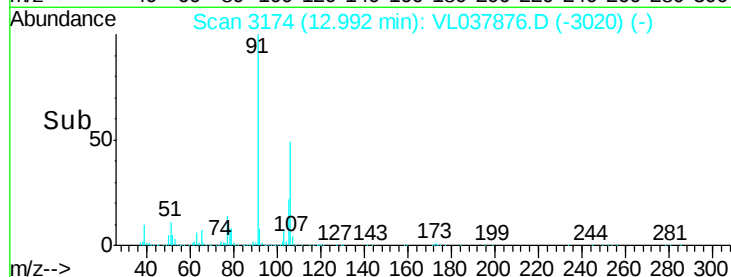
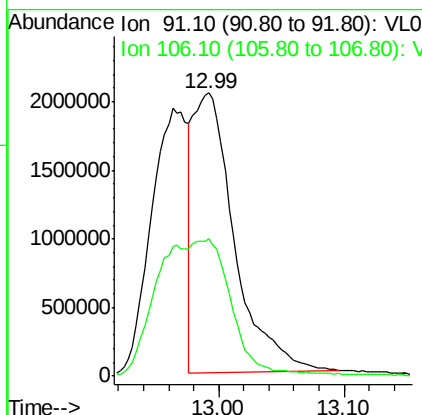
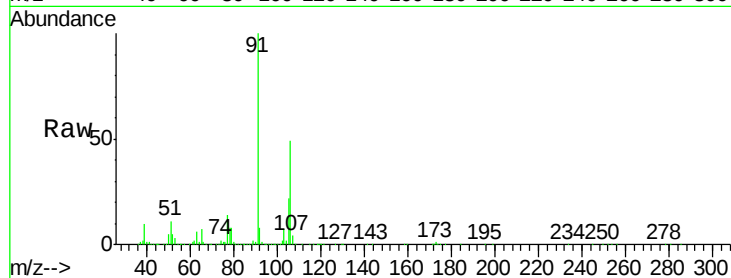
Tgt Ion: 91 Resp: 5177452  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.3 37.9





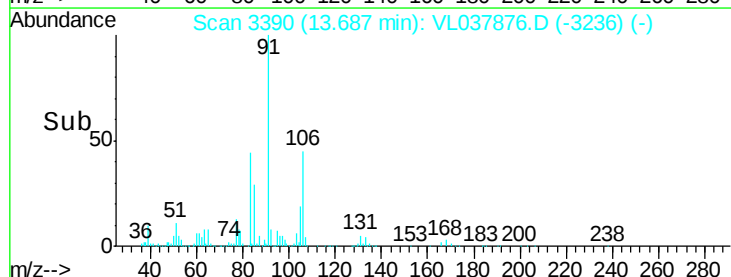
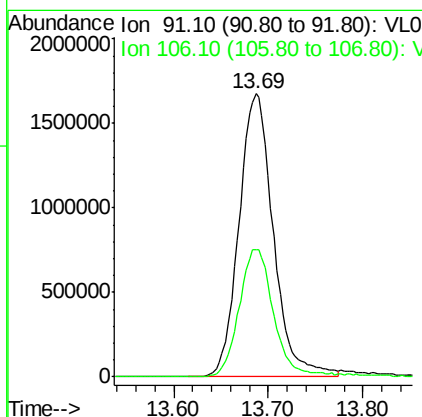
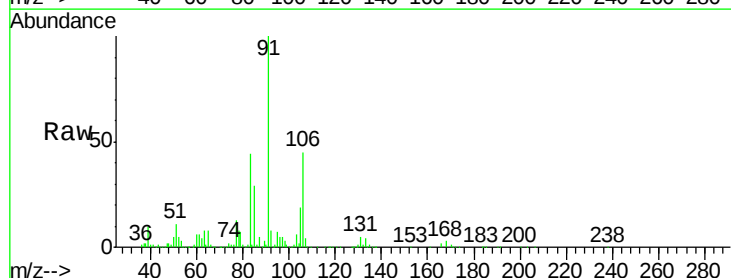
#59  
m/p-Xylene  
Concen: 12.098 ppbv  
RT: 12.99 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
VSTDCCC010EC  
Acq: 19 Oct 2021 12:01

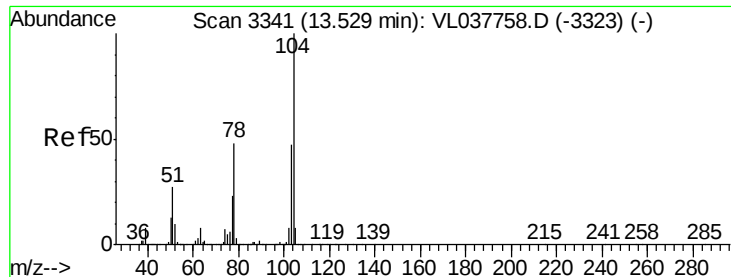
Tgt Ion: 91 Resp: 4666388  
Ion Ratio Lower Upper  
91 100  
106 89.0 36.7 55.1#



#60  
o-Xylene  
Concen: 11.418 ppbv  
RT: 13.69 min Scan# 3390  
Delta R.T. -0.01 min  
Lab File: VL037876.D  
Acq: 19 Oct 2021 12:01

Tgt Ion: 91 Resp: 4220774  
Ion Ratio Lower Upper  
91 100  
106 46.4 23.5 70.5





#61

Styrene

Concen: 12.807 ppbv

RT: 13.52

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01 VSTDCCC010EC

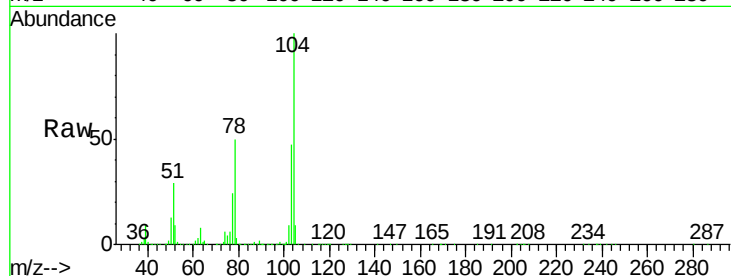
Tgt Ion:104 Resp: 2289911

Ion Ratio Lower Upper

104 100

78 50.2 40.6 61.0

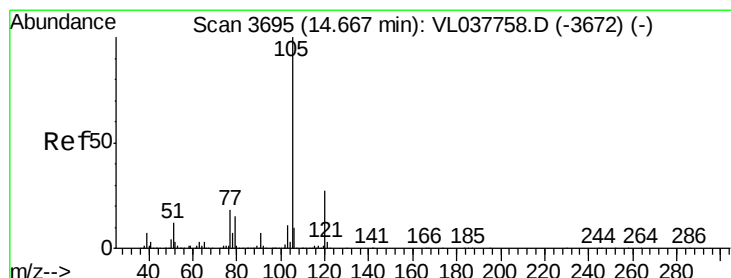
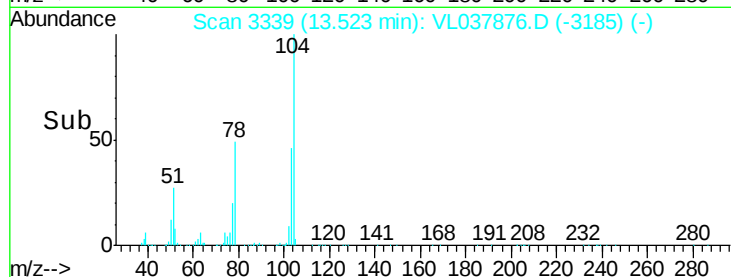
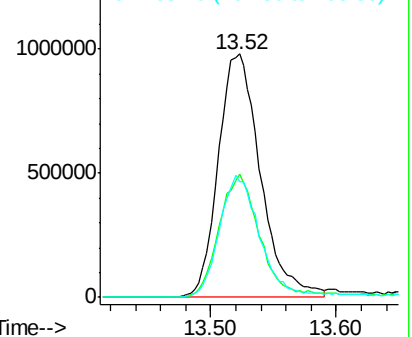
103 49.3 39.6 59.4



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: 11.498 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VL037876.D

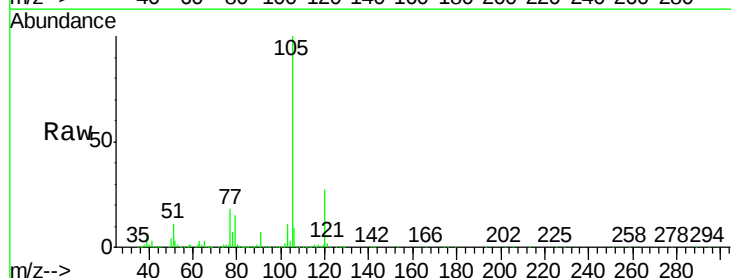
Acq: 19 Oct 2021 12:01

Tgt Ion:105 Resp: 5928173

Ion Ratio Lower Upper

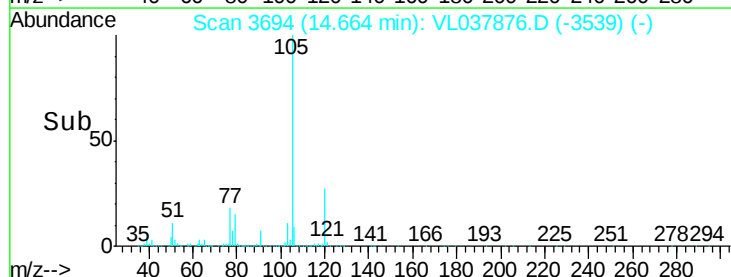
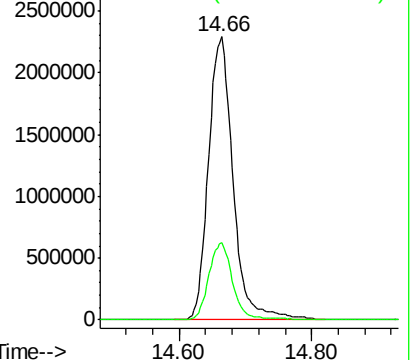
105 100

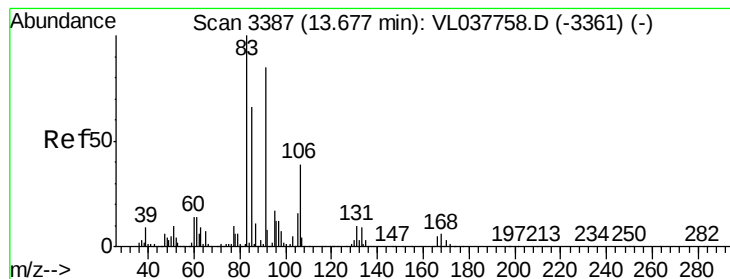
120 26.7 21.3 31.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 10.949 ppbv

RT: 13.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01

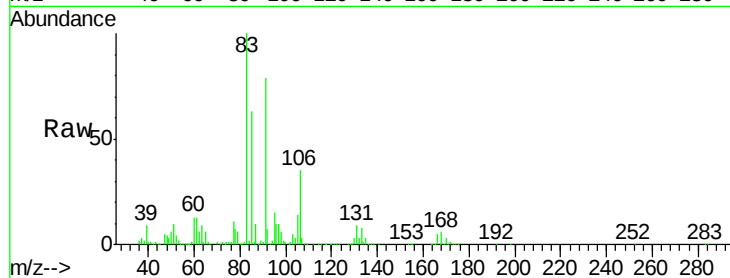
Tgt Ion: 83 Resp: 3123305

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 65.9 33.1 99.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

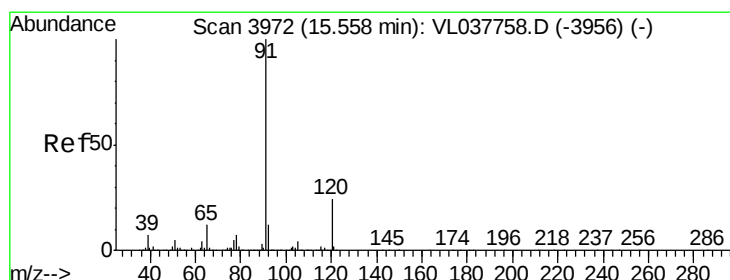
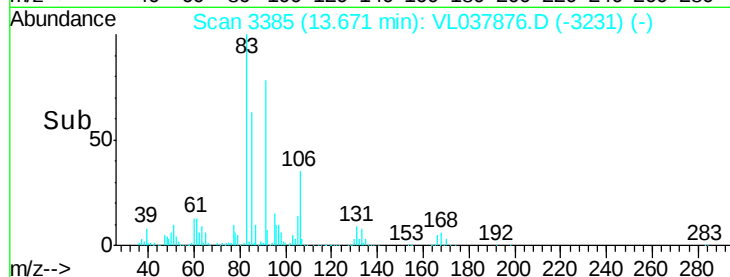
13.67

1000000

500000

0

Time-->



#64

n-propylbenzene

Concen: 12.468 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL037876.D

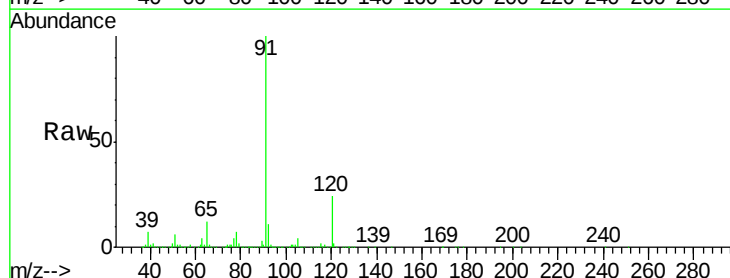
Acq: 19 Oct 2021 12:01

Tgt Ion: 120 Resp: 1603047

Ion Ratio Lower Upper

120 100

91 454.9 375.0 562.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

3000000

2500000

2000000

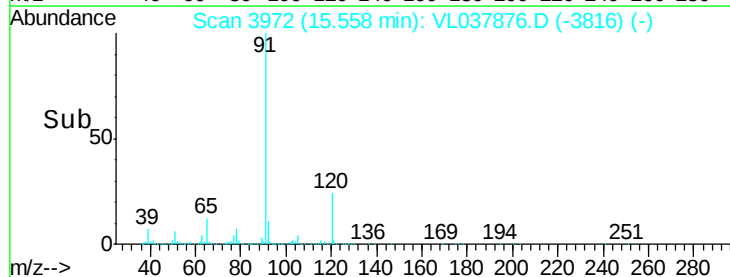
1500000

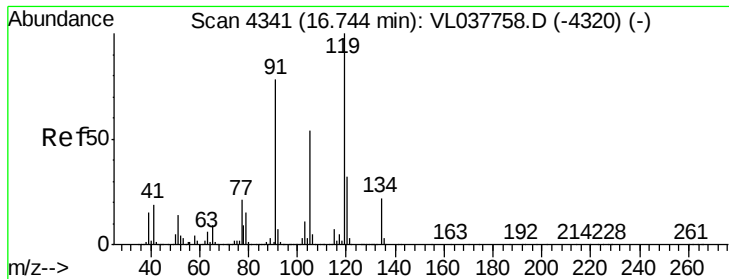
1000000

500000

0

Time-->

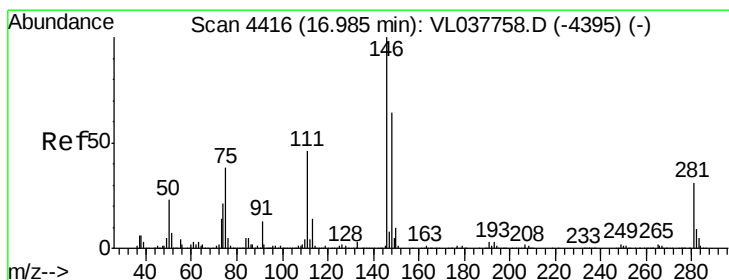
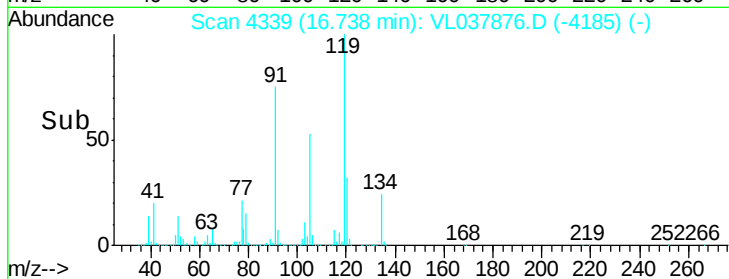
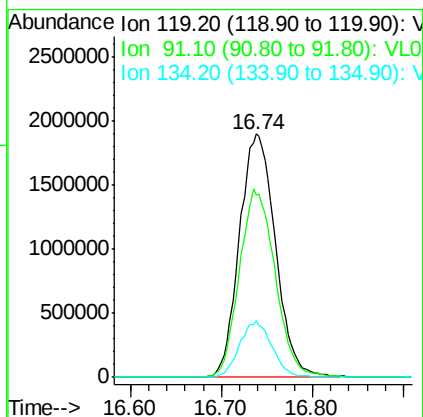
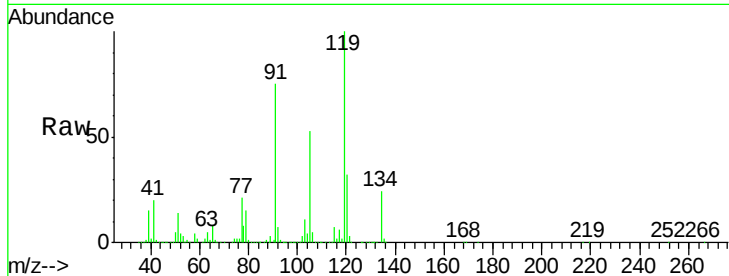




#65  
 tert-Butylbenzene  
 Concen: 11.480 ppbv  
 RT: 16.74 min  
 Instrument: MSVOA\_1  
 Delta R.T.: -0.01 min  
 Lab File: ClientSampleId : VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 119 Resp: 5208665

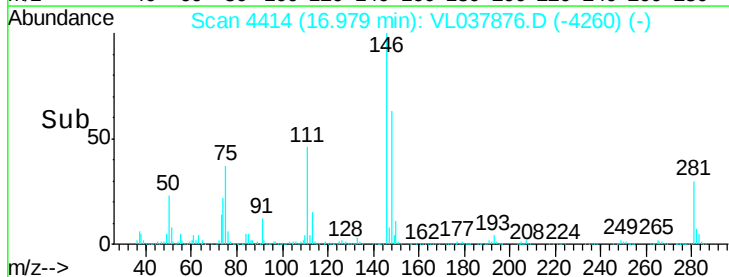
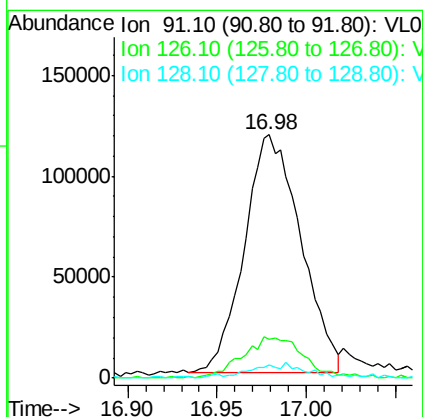
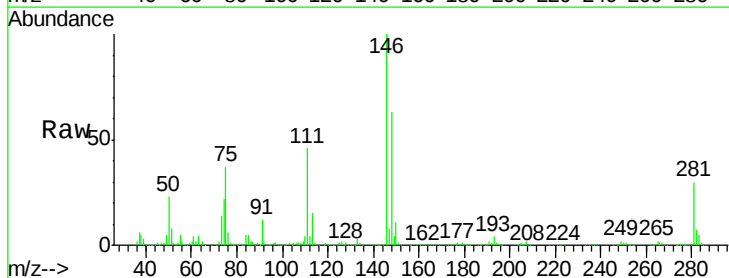
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 76.9  | 62.6  | 94.0  |
| 134 | 20.9  | 16.3  | 24.5  |

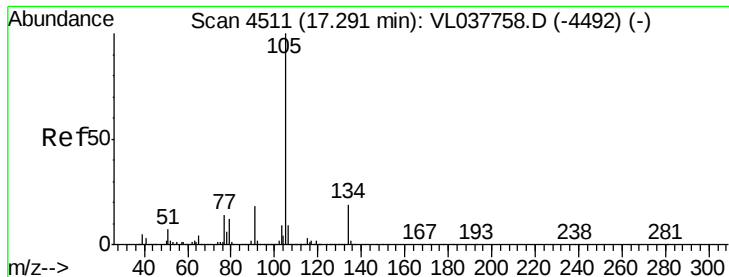


#66  
 Benzyl Chloride  
 Concen: 11.664 ppbv  
 RT: 16.98 min Scan# 4414  
 Delta R.T.: -0.01 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion: 91 Resp: 261187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 19.4  | 0.0   | 0.0#  |
| 128 | 6.9   | 5.3   | 7.9   |





#67

sec-Butylbenzene

Concen: 11.778 ppbv

RT: 17.29

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

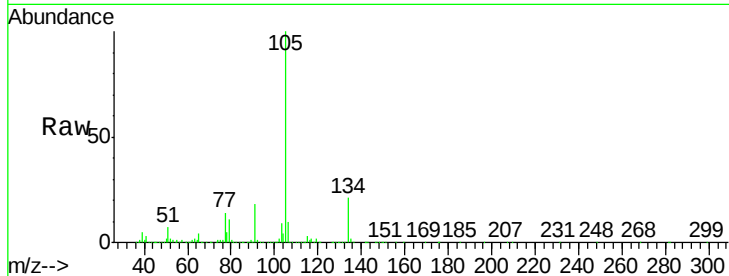
Acq: 19 Oct 2021 12:01

Tgt Ion: 105 Resp: 7308785

Ion Ratio Lower Upper

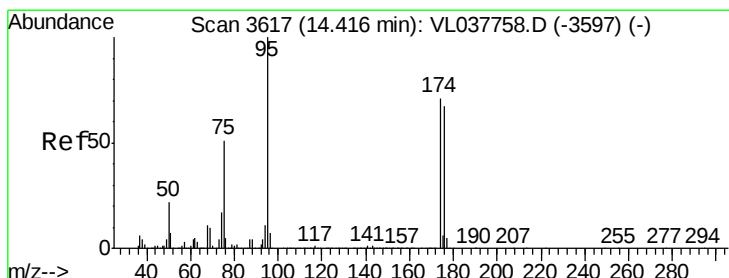
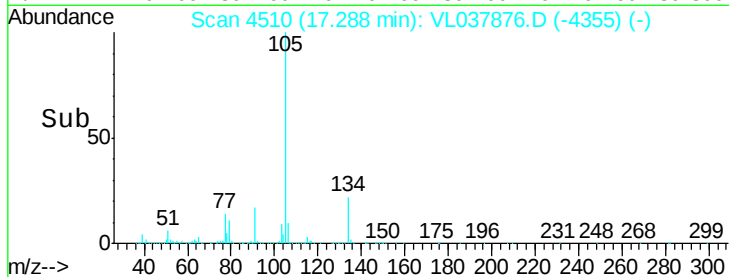
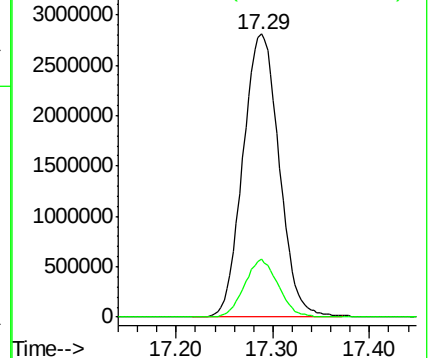
105 100

134 19.3 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.146 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

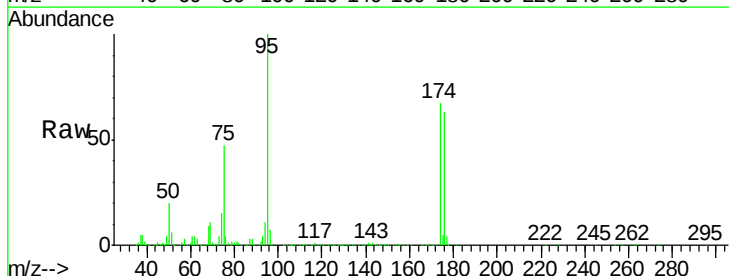
Tgt Ion: 95 Resp: 2374302

Ion Ratio Lower Upper

95 100

174 75.6 57.8 86.6

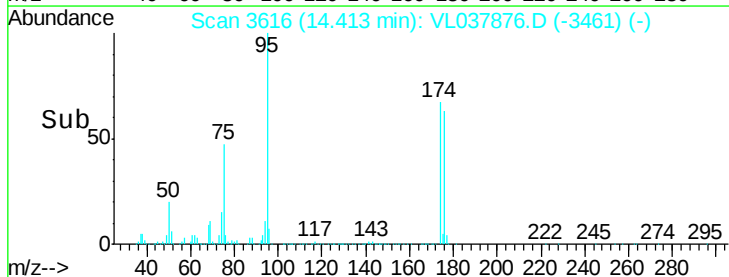
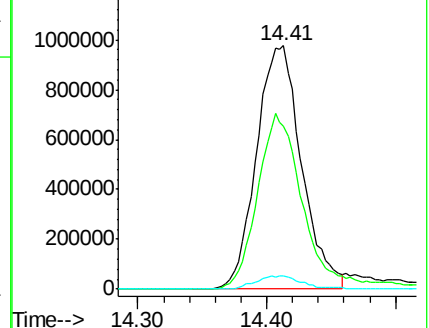
175 6.0 4.7 7.1

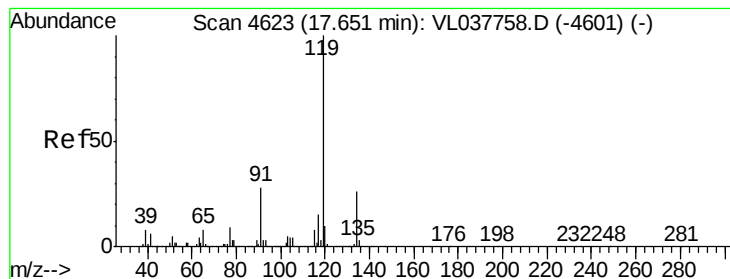


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 12.279 ppbv

RT: 17.64

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01 VSTDCCC010EC

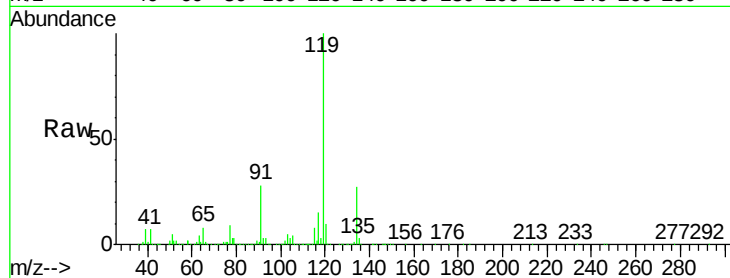
Tgt Ion: 119 Resp: 6160377

Ion Ratio Lower Upper

119 100

134 26.8 21.2 31.8

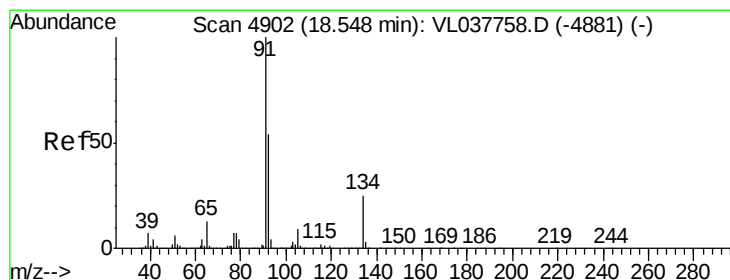
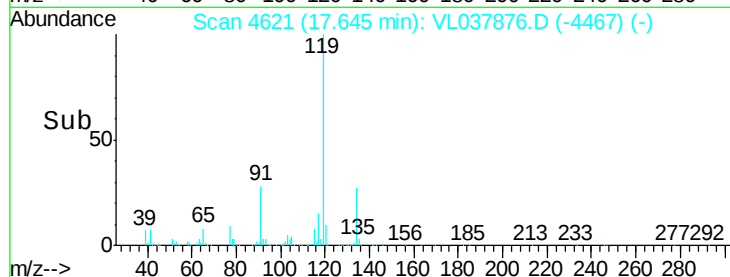
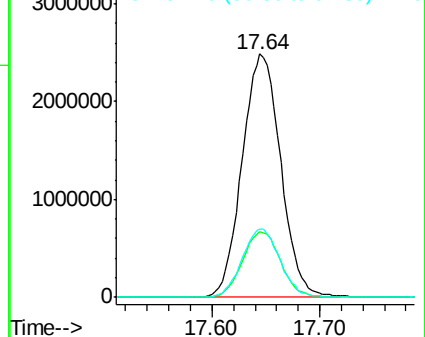
91 27.7 22.2 33.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 12.900 ppbv

RT: 18.54 min Scan# 4901

Delta R.T. -0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

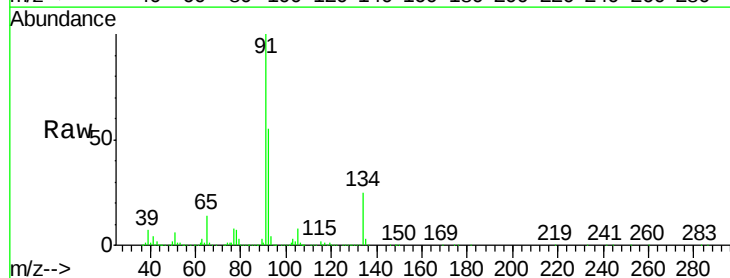
Tgt Ion: 91 Resp: 6148278

Ion Ratio Lower Upper

91 100

92 54.2 43.4 65.0

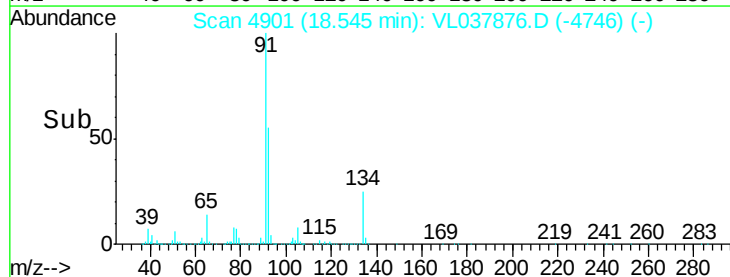
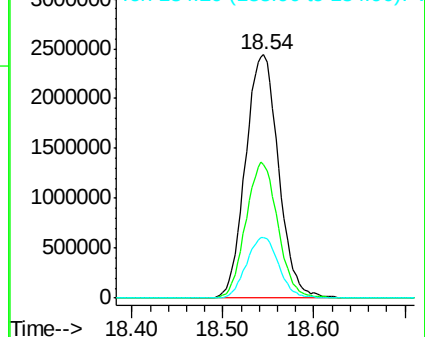
134 24.6 19.8 29.6

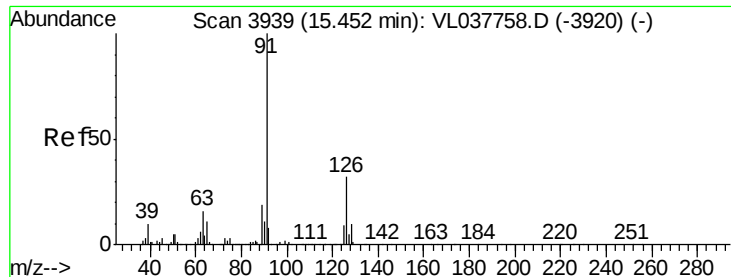


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

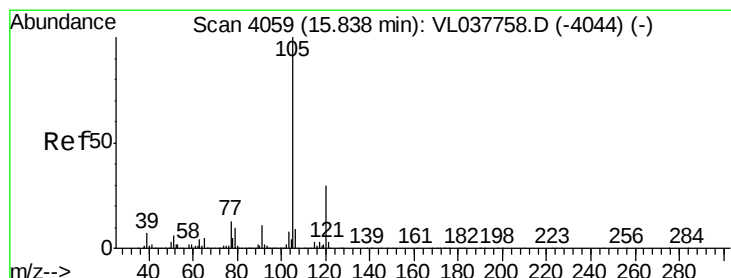
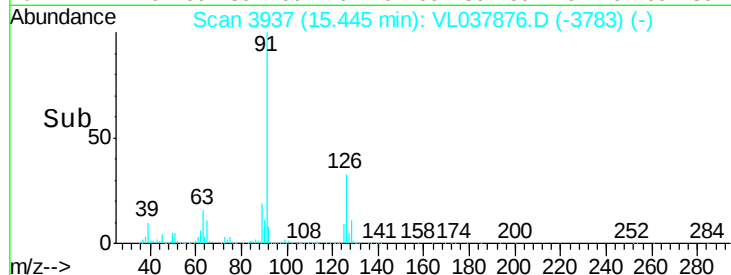
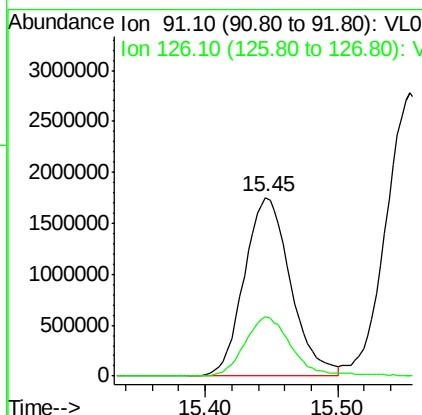
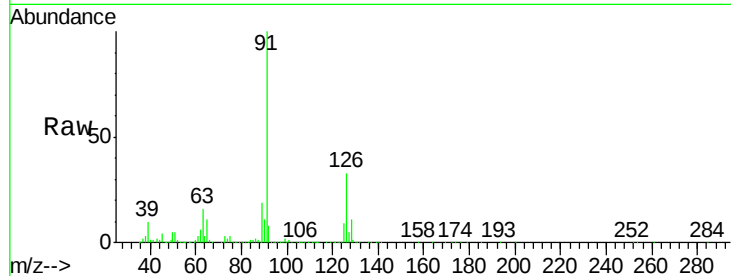
Ion 134.20 (133.90 to 134.90): V





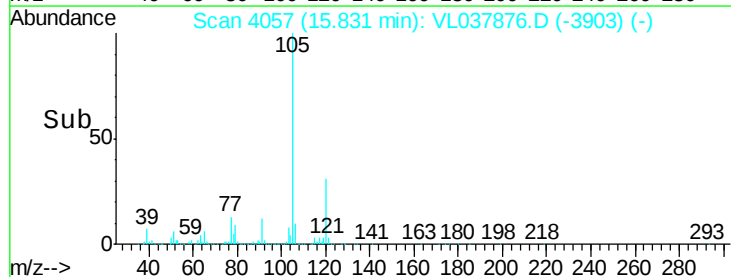
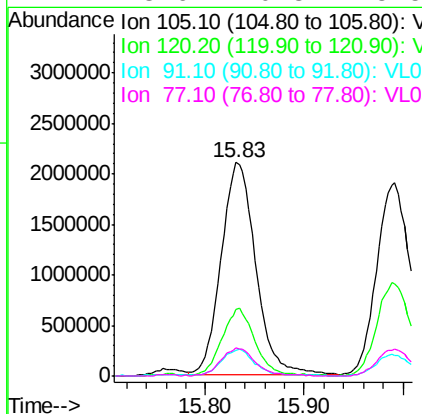
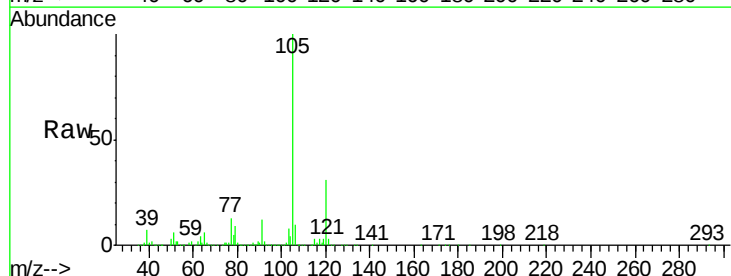
#71  
 2-Chlorotoluene  
 Concen: 11.704 ppbv  
 RT: 15.45 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

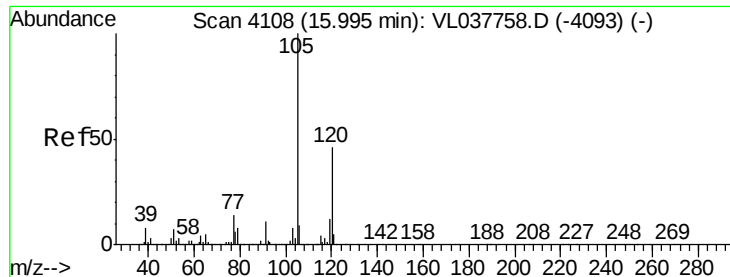
Tgt Ion: 91 Resp: 4261247  
 Ion Ratio Lower Upper  
 91 100  
 126 34.2 13.6 54.6



#72  
 4-Ethyltoluene  
 Concen: 12.262 ppbv  
 RT: 15.83 min Scan# 4057  
 Delta R.T. -0.01 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

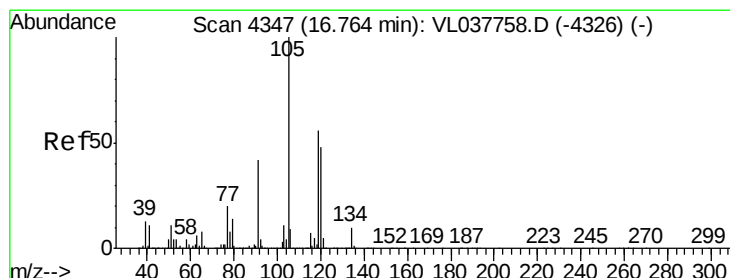
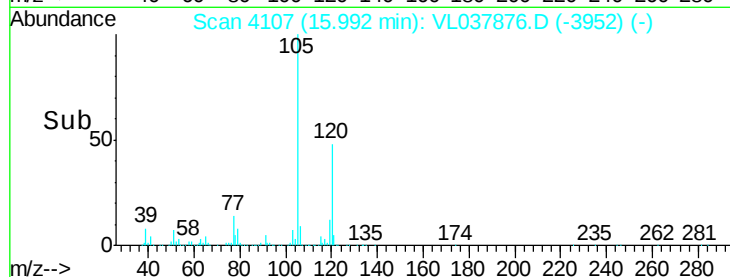
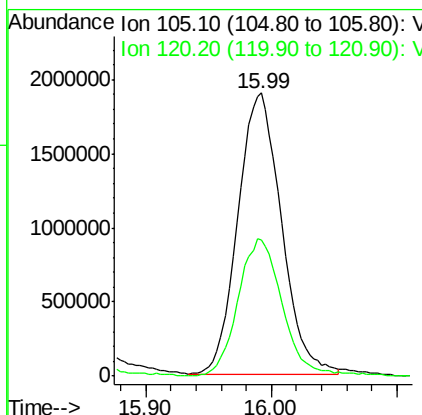
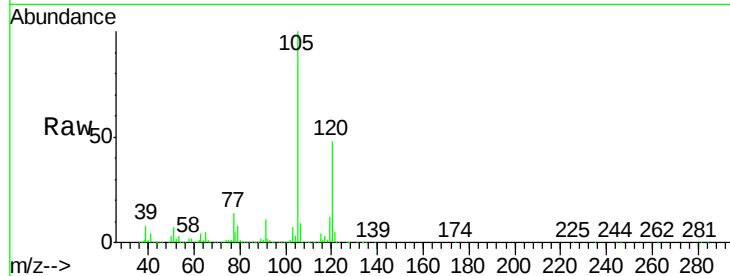
Tgt Ion: 105 Resp: 5146862  
 Ion Ratio Lower Upper  
 105 100  
 120 30.9 24.2 36.2  
 91 12.0 10.4 15.6  
 77 13.6 10.3 15.5





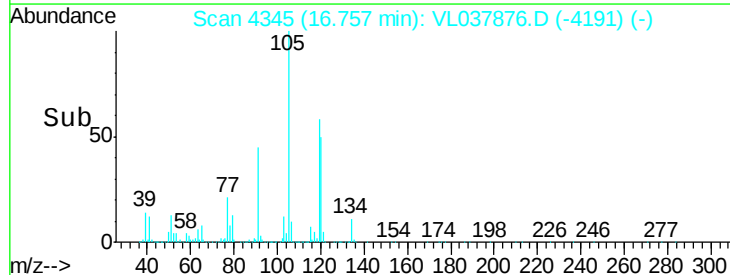
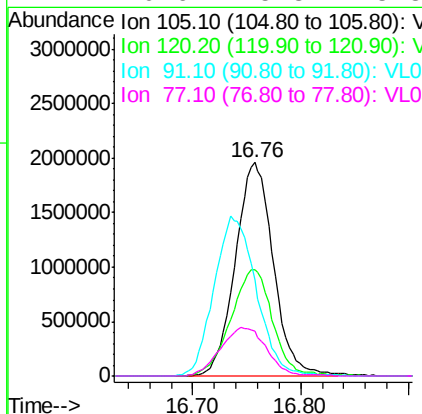
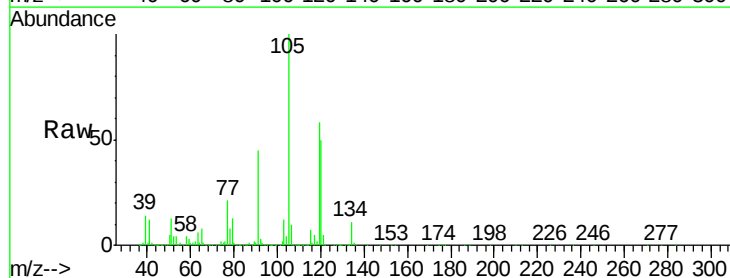
#73  
 1,3,5-Trimethylbenzene  
 Concen: 11.957 ppbv  
 RT: 15.99 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

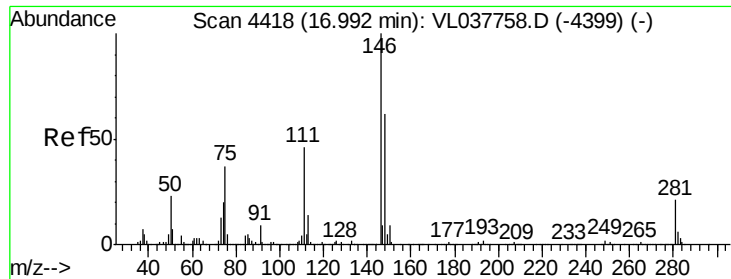
Tgt Ion:105 Resp: 4558601  
 Ion Ratio Lower Upper  
 105 100  
 120 48.0 36.6 54.8



#74  
 1,2,4-Trimethylbenzene  
 Concen: 11.989 ppbv  
 RT: 16.76 min Scan# 4345  
 Delta R.T. -0.01 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion:105 Resp: 4799948  
 Ion Ratio Lower Upper  
 105 100  
 120 49.6 38.4 57.6  
 91 44.9 34.2 51.2  
 77 20.6 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 12.090 ppbv

RT: 16.99

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01

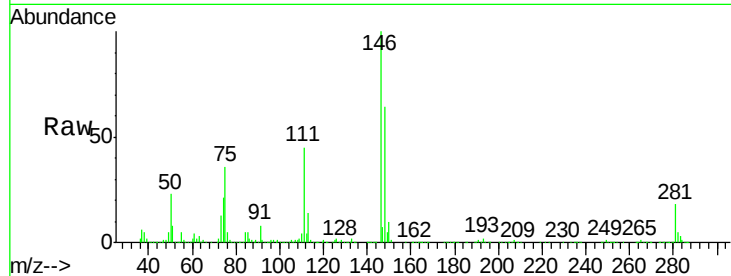
Tgt Ion:146 Resp: 2998785

Ion Ratio Lower Upper

146 100

111 44.4 22.8 68.4

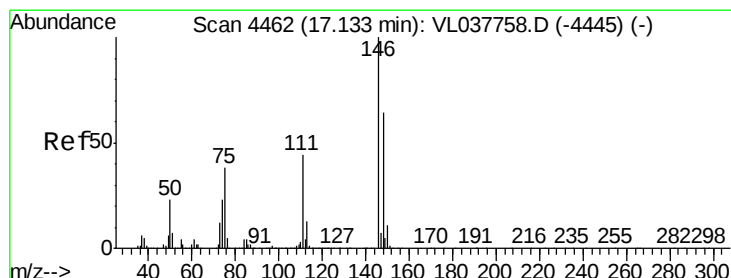
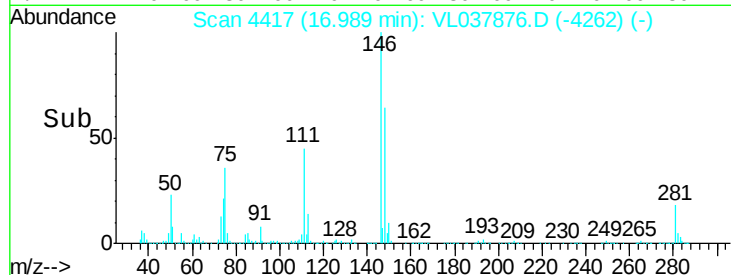
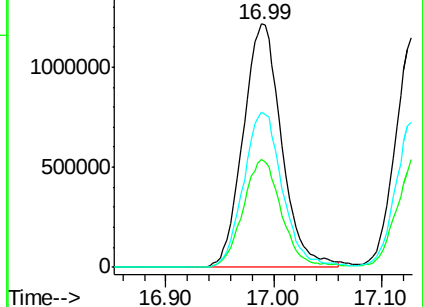
148 64.7 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 12.235 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

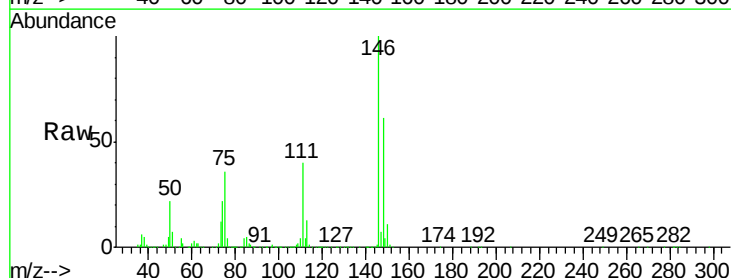
Tgt Ion:146 Resp: 2895147

Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.3

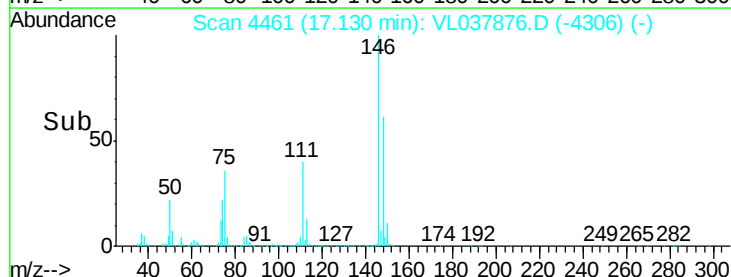
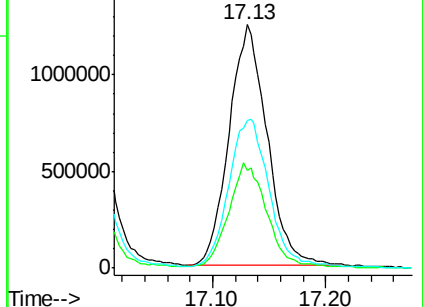
148 67.1 33.3 99.9

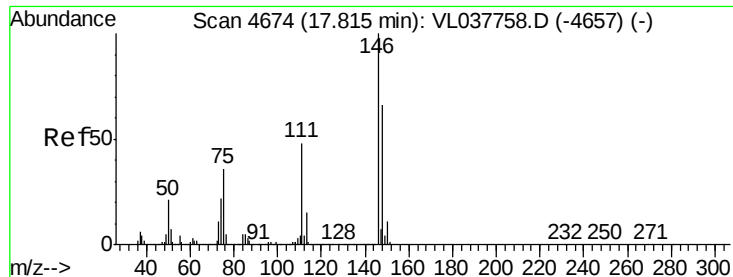


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

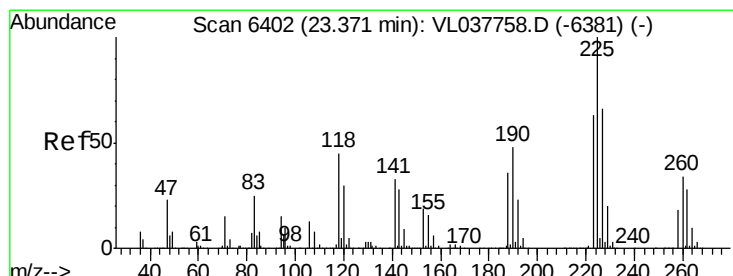
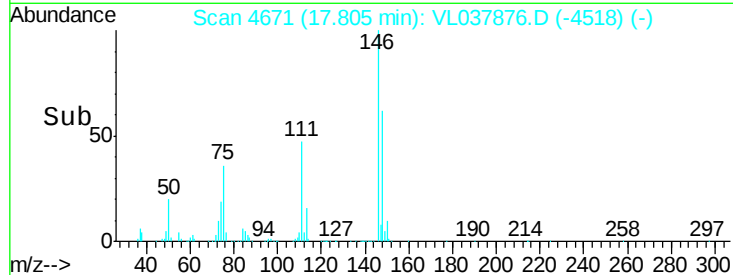
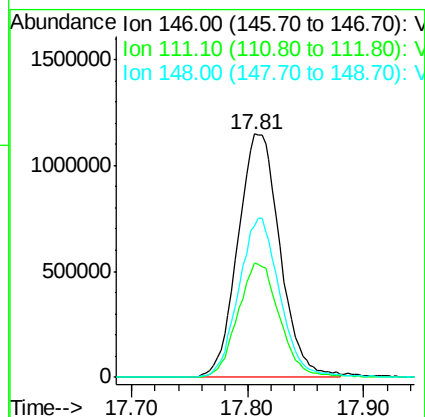
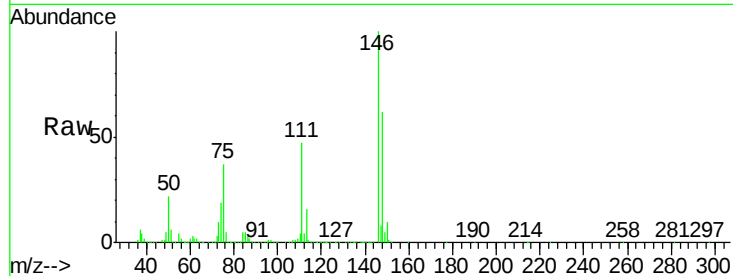
Ion 148.00 (147.70 to 148.70): V





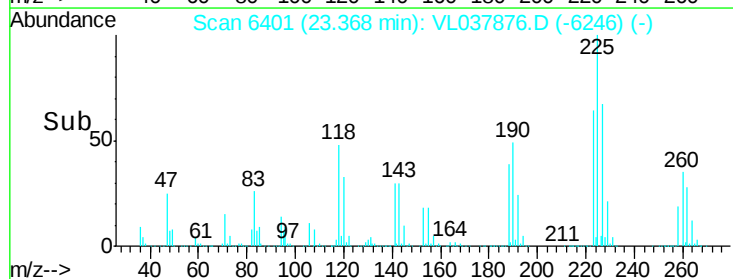
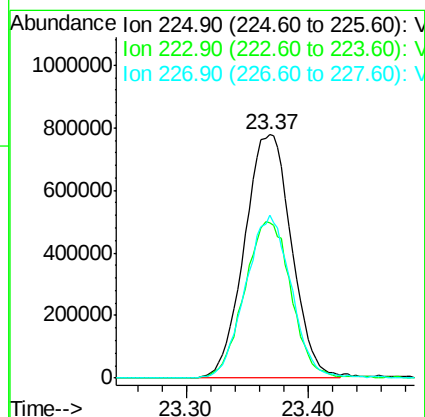
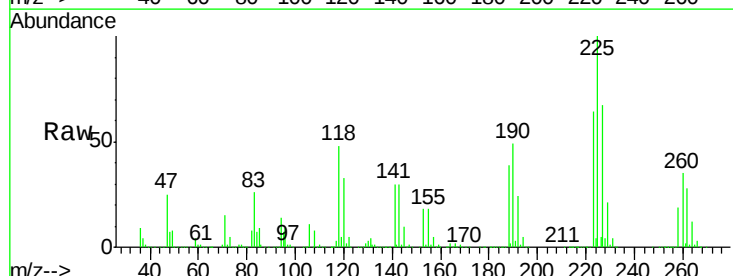
#77  
 1,2-Dichlorobenzene  
 Concen: 12.107 ppbv  
 RT: 17.81 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

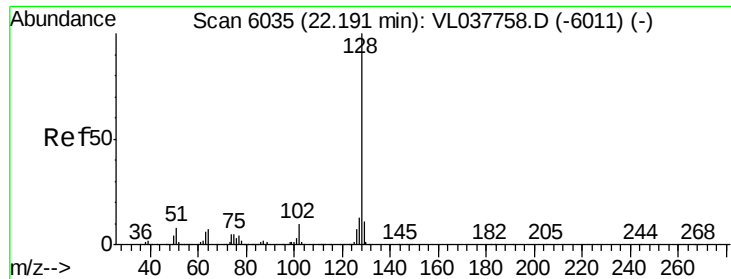
Tgt Ion:146 Resp: 2884716  
 Ion Ratio Lower Upper  
 146 100  
 111 46.6 23.6 70.8  
 148 64.5 32.9 98.6



#78  
 Hexachloro-1,3-Butadiene  
 Concen: 10.646 ppbv  
 RT: 23.37 min Scan# 6401  
 Delta R.T. -0.00 min  
 Lab File: VL037876.D  
 Acq: 19 Oct 2021 12:01

Tgt Ion:225 Resp: 2071290  
 Ion Ratio Lower Upper  
 225 100  
 223 64.3 51.2 76.8  
 227 65.6 51.1 76.7





#79

Naphthalene

Concen: 14.296 ppbv

RT: 22.18 min

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 19 Oct 2021 12:01

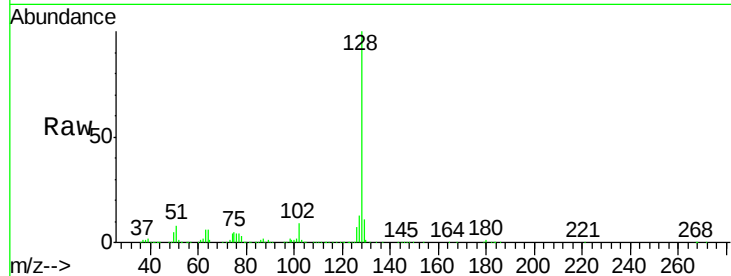
Tgt Ion:128 Resp: 3505273

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

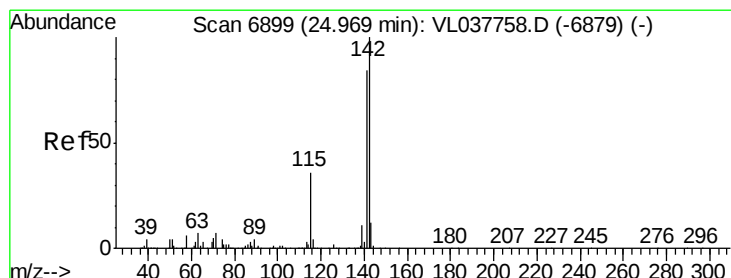
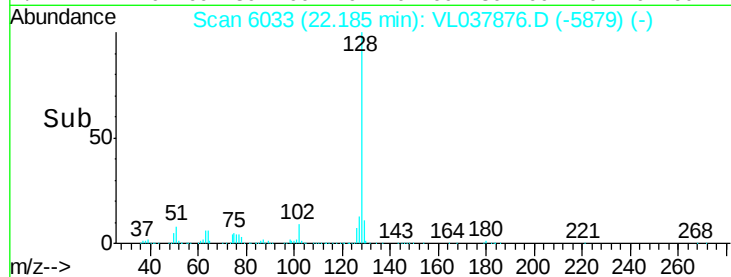
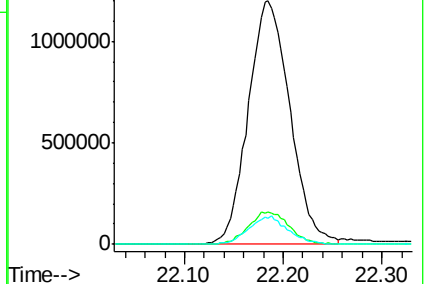
129 10.9 9.1 13.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.083 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL037876.D

Acq: 19 Oct 2021 12:01

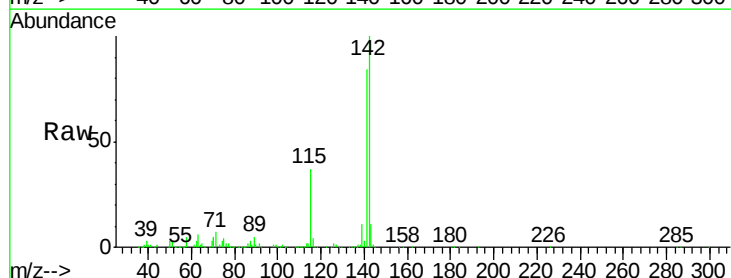
Tgt Ion:142 Resp: 861330

Ion Ratio Lower Upper

142 100

141 82.5 68.6 102.8

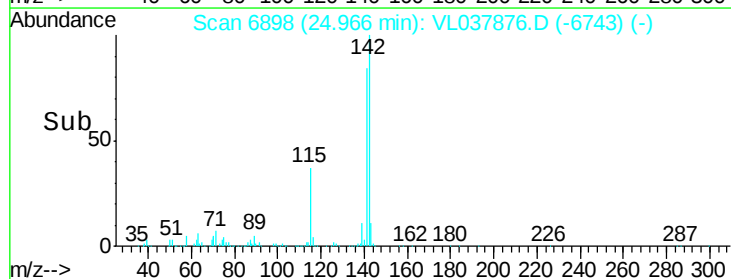
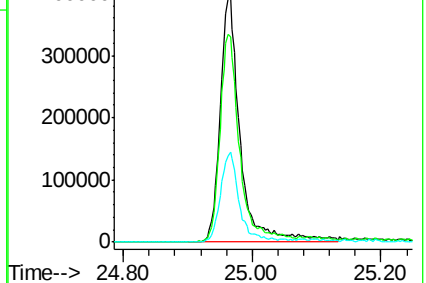
115 34.7 29.0 43.6

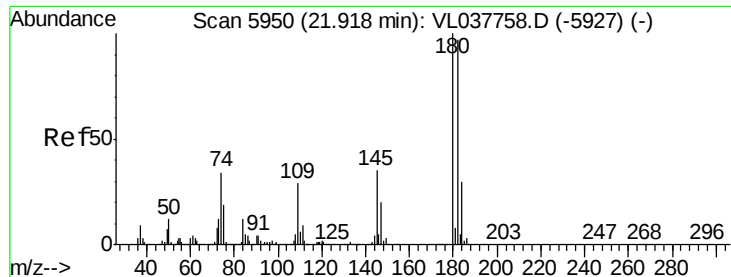


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

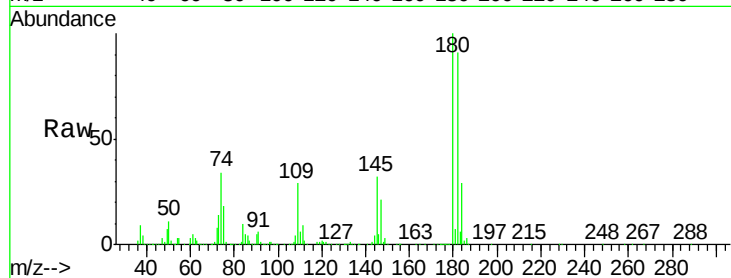
Ion 115.00 (114.70 to 115.70): V





#81  
 1,2,4-Trichlorobenzene  
 Concen: 13.333 ppbv  
 RT: 21.91  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 19 Oct 2021 12:01

Tgt Ion:180 Resp: 2090830  
 Ion Ratio Lower Upper  
 180 100  
 182 96.6 77.6 116.4  
 184 31.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V

