

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\  
 Data File : VL036152.D  
 Acq On : 11 Dec 2020 6:43  
 Operator : SY/AP  
 Sample : L5005-01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 14 22:09:11 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec 07 16:56:49 2020

QLast Update : Mon Dec 07 16:56:49 2020

Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1314888  | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2460575  | 10.00 | ppbv  | -0.04    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2216522  | 10.00 | ppbv  | -0.04    |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 1858212  | 10.56    | ppbv | -0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.60% |

#### Target Compounds

|                                |       |     |         |         | Ovalue    |
|--------------------------------|-------|-----|---------|---------|-----------|
| 2) Dichlorodifluoromethane     | 3.03  | 85  | 44380   | 0.290   | ppbv 92   |
| 3) Chlorodifluoromethane       | 2.97  | 51  | 62092m  | 0.414   | ppbv      |
| 4) Chloromethane               | 3.12  | 50  | 55634   | 0.755   | ppbv 98   |
| 5) Vinyl Chloride              | 3.25  | 62  | 198     | 0.002   | ppbv # 44 |
| 6) Bromomethane                | 3.46  | 94  | 419     | 0.010   | ppbv # 1  |
| 7) Chloroethane                | 3.55  | 64  | 361     | 0.013   | ppbv # 69 |
| 8) Dichlorotetrafluoroethane   | 3.17  | 85  | 1461    | 0.009   | ppbv # 71 |
| 9) Propene                     | 3.01  | 41  | 99964m  | 1.330   | ppbv      |
| 10) Heptane                    | 8.10  | 43  | 387     | 0.002   | ppbv # 29 |
| 11) Trichlorofluoromethane     | 3.93  | 101 | 32194   | 0.179   | ppbv 99   |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47  | 101 | 777     | 0.006   | ppbv # 12 |
| 13) Ethanol                    | 3.60  | 45  | 4725316 | 456.103 | ppbv 85   |
| 14) Bromoethene                | 3.73  | 108 | 71      | 0.001   | ppbv # 1  |
| 15) Acetone                    | 3.83  | 43  | 1180282 | 7.469   | ppbv 96   |
| 17) tert-Butyl alcohol         | 4.28  | 59  | 265     | 0.002   | ppbv # 71 |
| 18) 1,1-Dichloroethene         | 4.29  | 96  | 220     | 0.004   | ppbv # 13 |
| 20) Methylene Chloride         | 4.33  | 84  | 43425   | 0.671   | ppbv # 87 |
| 21) Allyl Chloride             | 4.40  | 41  | 200     | 0.002   | ppbv # 1  |
| 22) trans-1,2-Dichloroethene   | 4.87  | 96  | 154     | 0.003   | ppbv # 1  |
| 23) Vinyl Acetate              | 5.06  | 43  | 773     | 0.004   | ppbv # 1  |
| 24) 1,1-Dichloroethane         | 5.00  | 63  | 328     | 0.002   | ppbv # 88 |
| 27) Carbon Disulfide           | 4.53  | 76  | 957     | 0.007   | ppbv # 59 |
| 28) Methyl tert-Butyl Ether    | 5.03  | 73  | 306     | 0.002   | ppbv # 1  |
| 29) Chloroform                 | 5.27  | 83  | 68      | 0.000   | ppbv 92   |
| 30) Cyclohexane                | 7.11  | 84  | 450     | 0.004   | ppbv # 22 |
| 31) cis-1,2-Dichloroethene     | 5.53  | 61  | 489     | 0.004   | ppbv # 27 |
| 32) 1,1,1-Trichloroethane      | 6.49  | 97  | 289     | 0.002   | ppbv # 80 |
| 35) Carbon Tetrachloride       | 7.00  | 117 | 643     | 0.004   | ppbv # 34 |
| 36) Benzene                    | 6.87  | 78  | 1977    | 0.009   | ppbv # 68 |
| 37) 1,2-Dichloroethane         | 6.29  | 62  | 531     | 0.004   | ppbv # 83 |
| 38) Trichloroethene            | 7.82  | 130 | 505     | 0.006   | ppbv # 35 |
| 40) 1,4-Dioxane                | 7.82  | 88  | 397     | 0.015   | ppbv # 1  |
| 41) Tetrahydrofuran            | 6.03  | 42  | 468     | 0.005   | ppbv # 40 |
| 42) Bromodichloromethane       | 7.77  | 83  | 380     | 0.002   | ppbv # 25 |
| 43) Methyl Methacrylate        | 8.08  | 69  | 148     | 0.002   | ppbv # 19 |
| 44) 2,2,4-Trimethylpentane     | 7.85  | 57  | 300     | 0.001   | ppbv # 1  |
| 45) t-1,3-Dichloropropene      | 9.23  | 75  | 100     | 0.001   | ppbv # 42 |
| 46) cis-1,3-Dichloropropene    | 8.70  | 75  | 78      | 0.001   | ppbv # 1  |
| 47) 1,1,2-Trichloroethane      | 9.47  | 97  | 138     | 0.002   | ppbv # 70 |
| 48) Dibromochloromethane       | 10.46 | 129 | 100     | 0.001   | ppbv 70   |
| 49) Bromoform                  | 12.93 | 173 | 183     | 0.002   | ppbv # 19 |

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec 07 16:56:49 2020

QLast Update : Mon Dec 07 16:56:49 2020

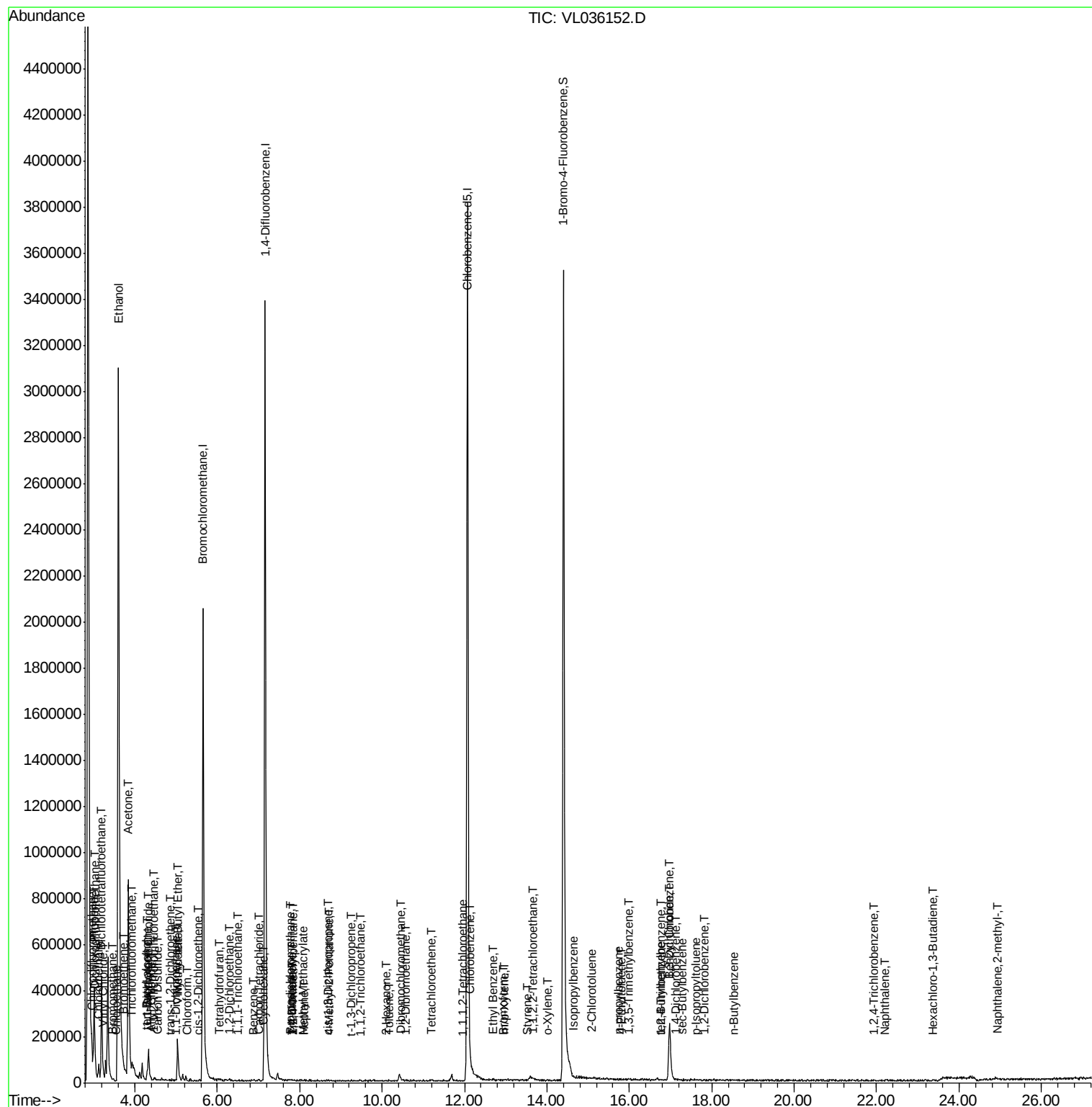
Response via : Initial Calibration

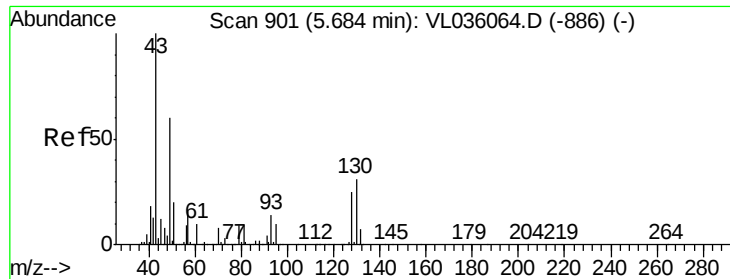
| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| -----                         |       |      |          |       |        |          |
| 50) 4-Methyl-2-Pentanone      | 8.72  | 43   | 626      | 0.003 | ppbv # | 40       |
| 51) 2-Hexanone                | 10.10 | 43   | 42       | 0.000 | ppbv # | 29       |
| 52) Tetrachloroethene         | 11.19 | 164  | 181      | 0.002 | ppbv # | 1        |
| 53) Toluene                   | 10.18 | 91   | 157      | 0.001 | ppbv   | 88       |
| 54) 1,2-Dibromoethane         | 10.58 | 107  | 91       | 0.001 | ppbv # | 2        |
| 56) 1,1,1,2-Tetrachloroethane | 11.97 | 131  | 66       | 0.001 | ppbv # | 1        |
| 57) Chlorobenzene             | 12.13 | 112  | 188      | 0.001 | ppbv # | 1        |
| 58) Ethyl Benzene             | 12.69 | 91   | 563      | 0.002 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.97 | 91   | 682      | 0.003 | ppbv # | 1        |
| 60) o-Xylene                  | 14.02 | 91   | 200      | 0.001 | ppbv   | 92       |
| 61) Styrene                   | 13.52 | 104  | 148      | 0.001 | ppbv # | 25       |
| 62) Isopropylbenzene          | 14.64 | 105  | 298      | 0.001 | ppbv # | 28       |
| 63) 1,1,2,2-Tetrachloroethane | 13.66 | 83   | 255      | 0.002 | ppbv # | 21       |
| 64) n-propylbenzene           | 15.76 | 120  | 80       | 0.001 | ppbv   | 91       |
| 65) tert-Butylbenzene         | 16.76 | 119  | 474      | 0.002 | ppbv # | 65       |
| 66) Benzyl Chloride           | 16.97 | 91   | 355      | 0.005 | ppbv # | 1        |
| 67) sec-Butylbenzene          | 17.27 | 105  | 304      | 0.001 | ppbv # | 60       |
| 69) p-Isopropyltoluene        | 17.62 | 119  | 157      | 0.000 | ppbv # | 46       |
| 70) n-Butylbenzene            | 18.54 | 91   | 181      | 0.001 | ppbv # | 1        |
| 71) 2-Chlorotoluene           | 15.08 | 91   | 106      | 0.000 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.82 | 105  | 277      | 0.001 | ppbv # | 1        |
| 73) 1,3,5-Trimethylbenzene    | 15.98 | 105  | 204      | 0.001 | ppbv # | 32       |
| 74) 1,2,4-Trimethylbenzene    | 16.75 | 105  | 440      | 0.002 | ppbv # | 31       |
| 75) 1,3-Dichlorobenzene       | 16.98 | 146  | 132      | 0.001 | ppbv # | 22       |
| 76) 1,4-Dichlorobenzene       | 17.11 | 146  | 135      | 0.001 | ppbv # | 1        |
| 77) 1,2-Dichlorobenzene       | 17.83 | 146  | 317      | 0.003 | ppbv   | 85       |
| 78) Hexachloro-1,3-Butadiene  | 23.35 | 225  | 159      | 0.002 | ppbv # | 21       |
| 79) Naphthalene               | 22.19 | 128  | 70       | 0.001 | ppbv # | 1        |
| 80) Naphthalene, 2-methyl-    | 24.94 | 142  | 99       | 0.003 | ppbv # | 17       |
| 81) 1,2,4-Trichlorobenzene    | 21.93 | 180  | 283      | 0.003 | ppbv # | 100      |
| -----                         |       |      |          |       |        |          |

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

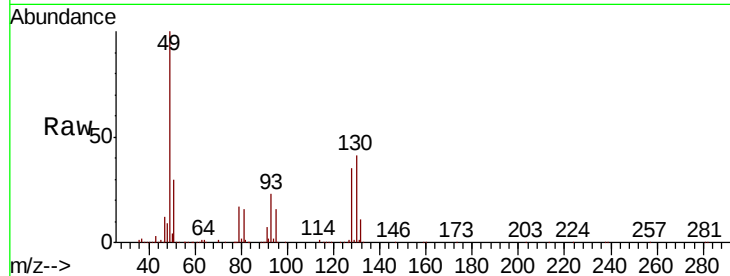
Tot Ion: 49 Resp: 1314888

Ion Ratio Lower Upper

49 100

128 34.7 21.1 63.1

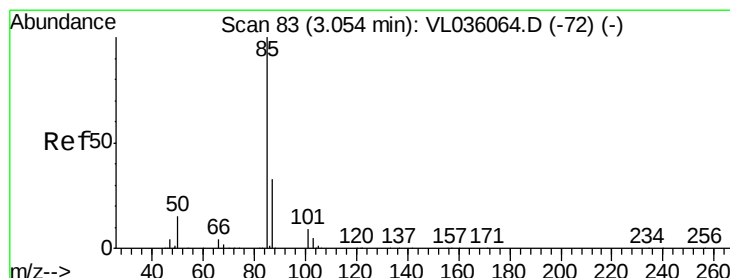
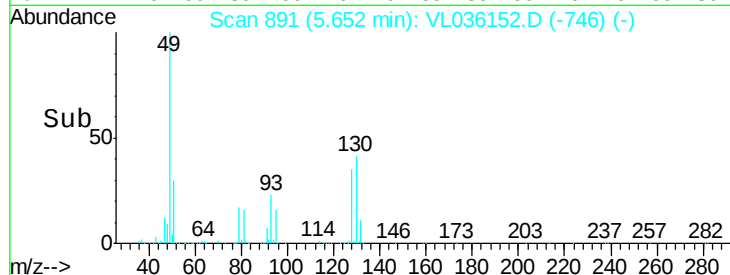
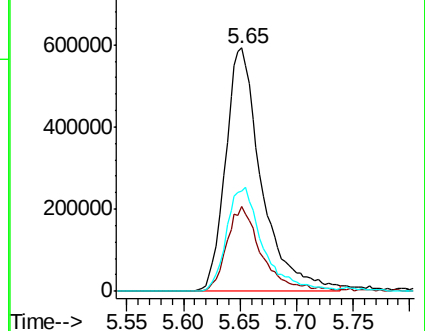
130 44.3 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.290 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036152.D

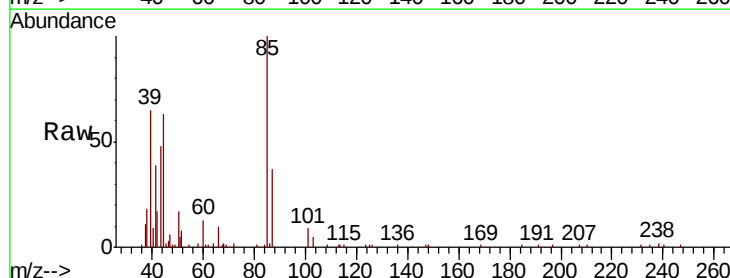
Acq: 11 Dec 2020 6:43

Tgt Ion: 85 Resp: 44380

Ion Ratio Lower Upper

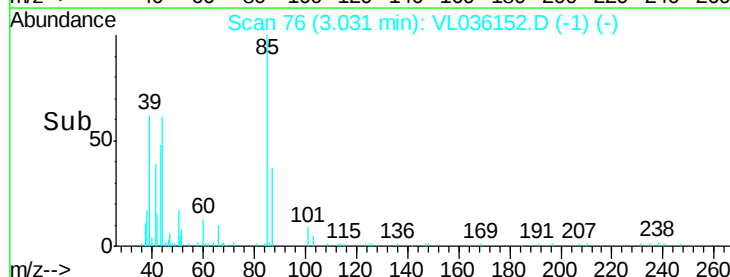
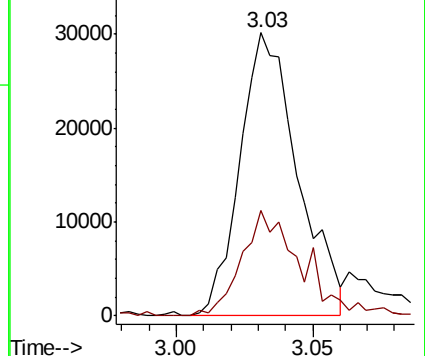
85 100

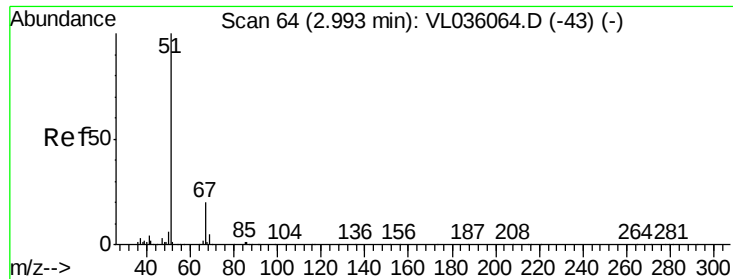
87 37.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.414 ppbv m

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036152.D

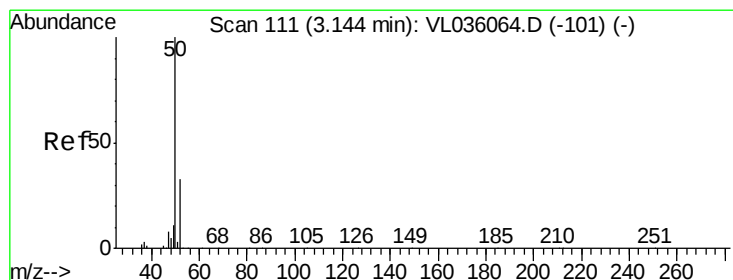
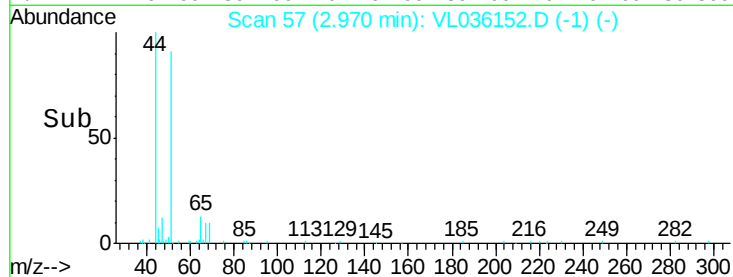
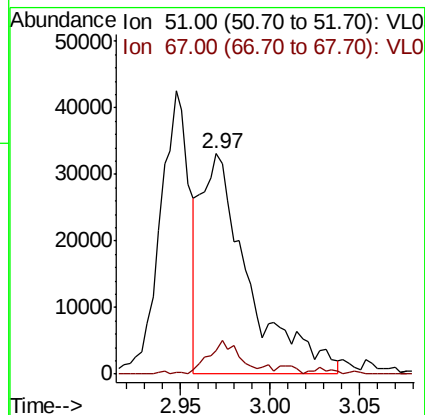
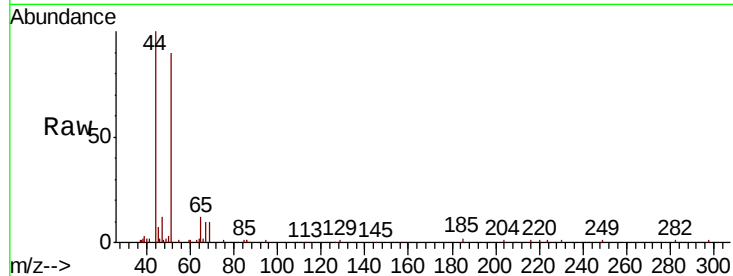
Acq: 11 Dec 2020 6:43

Tot Ion: 51 Resp: 62092

Ion Ratio Lower Upper

51 100

67 10.7 14.3 21.5#



#4

Chloromethane

Concen: 0.755 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036152.D

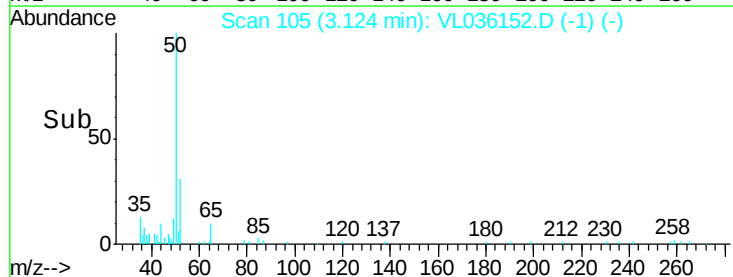
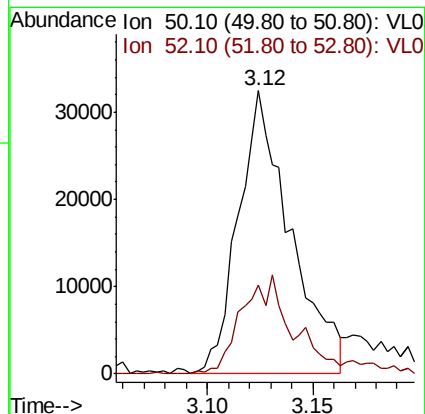
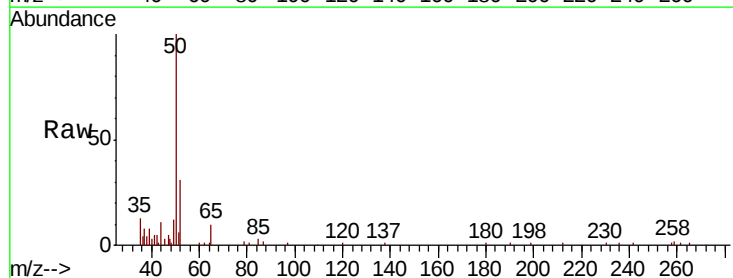
Acq: 11 Dec 2020 6:43

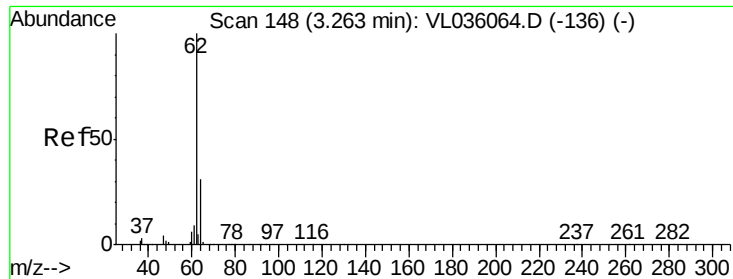
Tgt Ion: 50 Resp: 55634

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.02 min

Lab File: VL036152.D

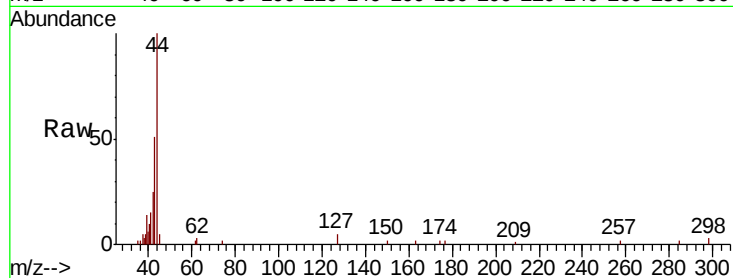
Acq: 11 Dec 2020 6:43

Tot Ion: 62 Resp: 198

Ion Ratio Lower Upper

62 100

64 0.0 24.5 36.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

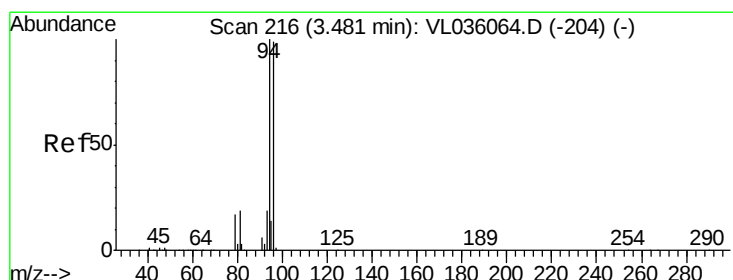
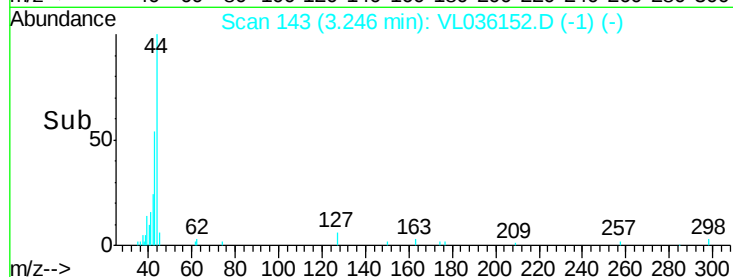
600

400

200

0

Time-->



#6

Bromomethane

Concen: 0.010 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL036152.D

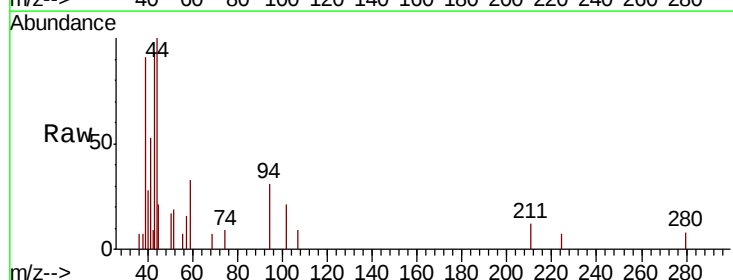
Acq: 11 Dec 2020 6:43

Tgt Ion: 94 Resp: 419

Ion Ratio Lower Upper

94 100

96 0.0 79.4 119.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

800

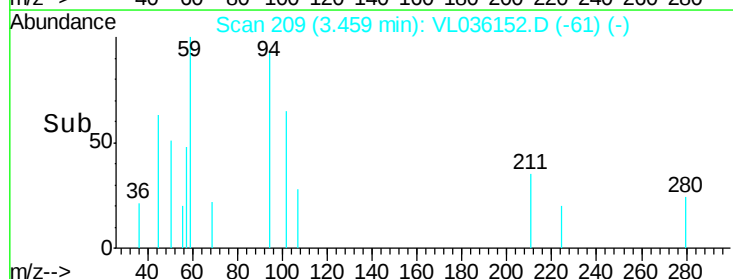
600

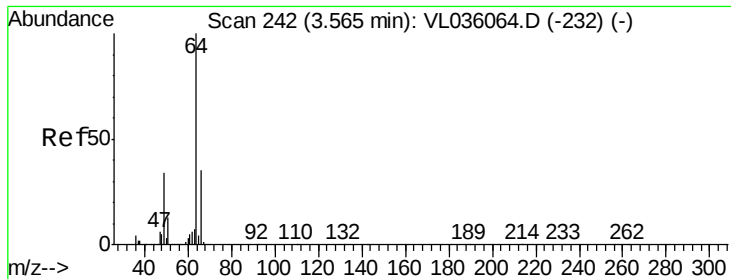
400

200

0

Time-->





#7

Chloroethane

Concen: 0.013 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL036152.D

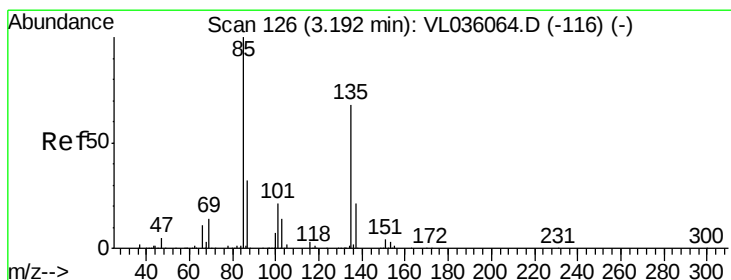
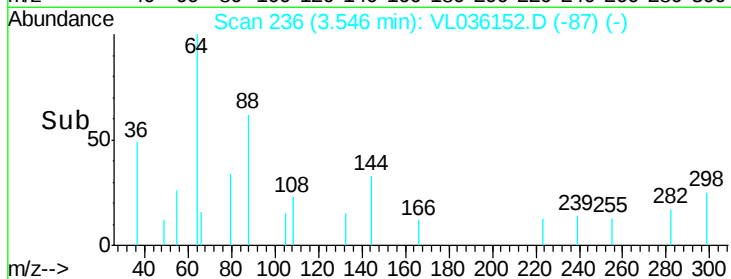
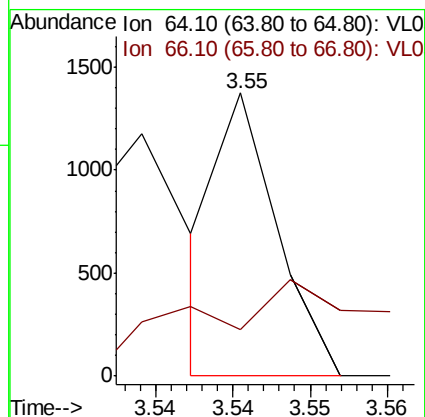
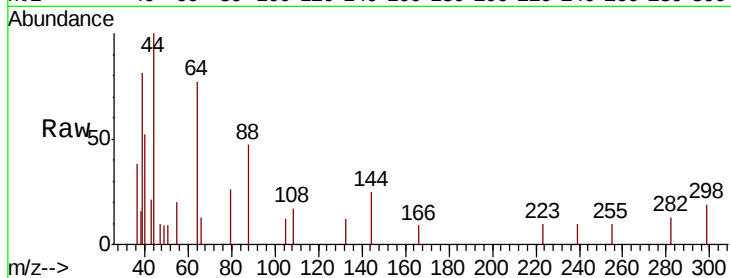
Acq: 11 Dec 2020 6:43

Tot Ion: 64 Resp: 361

Ion Ratio Lower Upper

64 100

66 16.4 27.7 41.5#



#8

Dichlorotetrafluoroethane

Concen: 0.009 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL036152.D

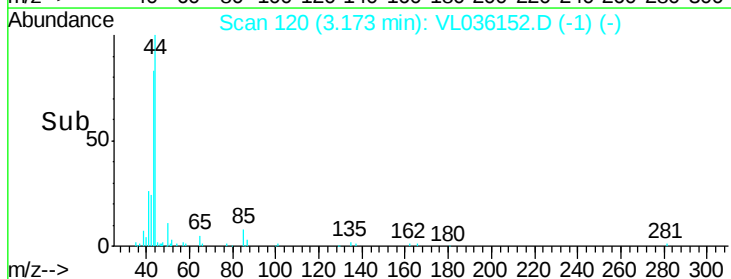
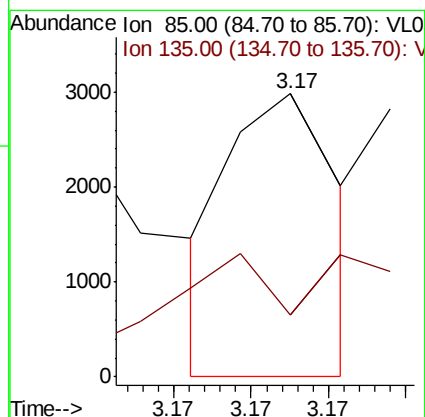
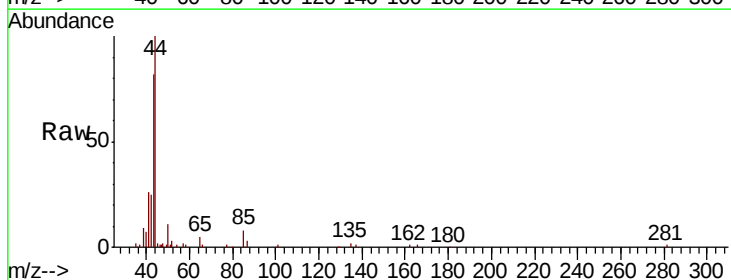
Acq: 11 Dec 2020 6:43

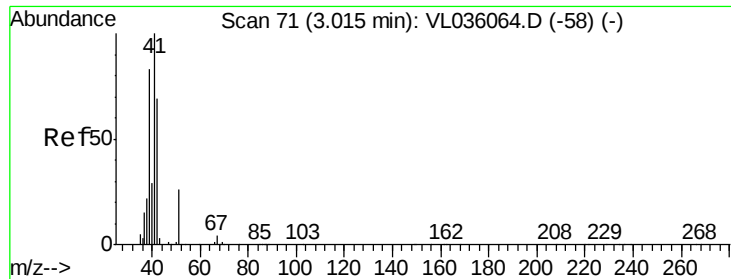
Tgt Ion: 85 Resp: 1461

Ion Ratio Lower Upper

85 100

135 90.5 53.8 80.8#





#9

Propene

Concen: 1.330 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036152.D

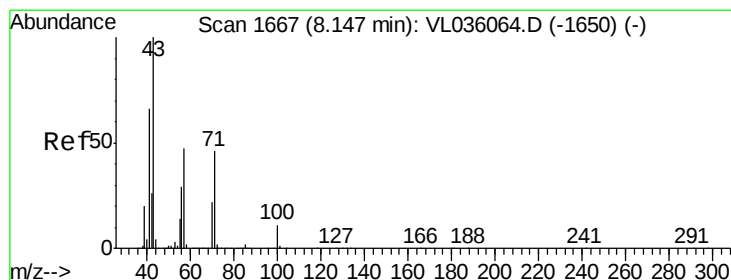
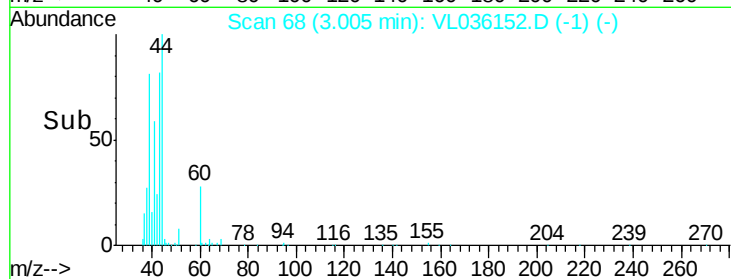
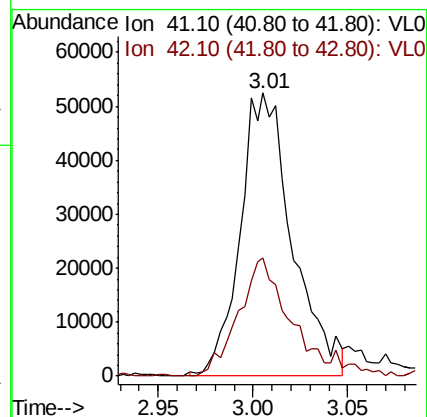
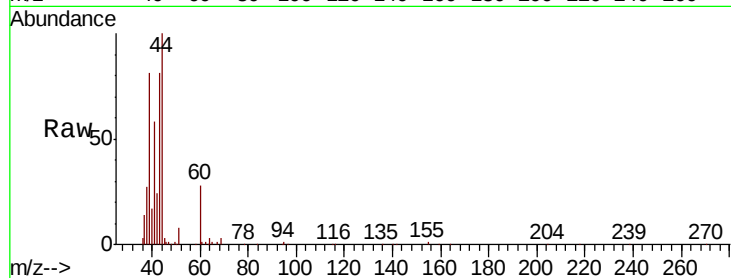
Acq: 11 Dec 2020 6:43

Tot Ion: 41 Resp: 99964

Ion Ratio Lower Upper

41 100

42 43.5 57.0 85.6#



#10

Heptane

Concen: 0.002 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.05 min

Lab File: VL036152.D

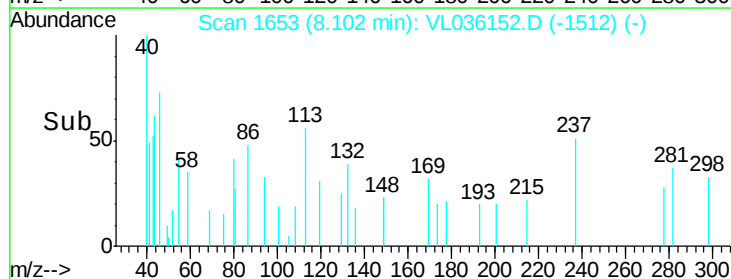
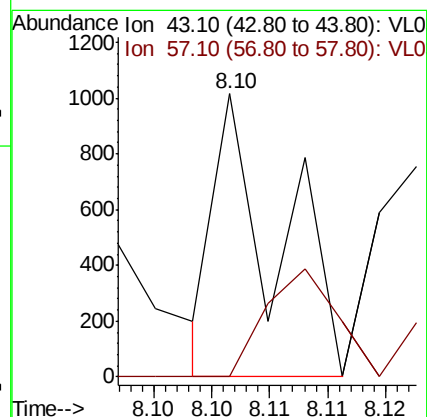
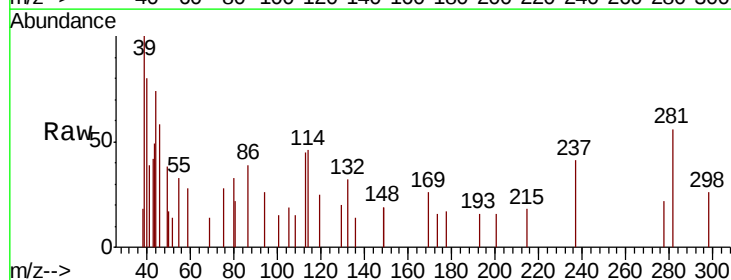
Acq: 11 Dec 2020 6:43

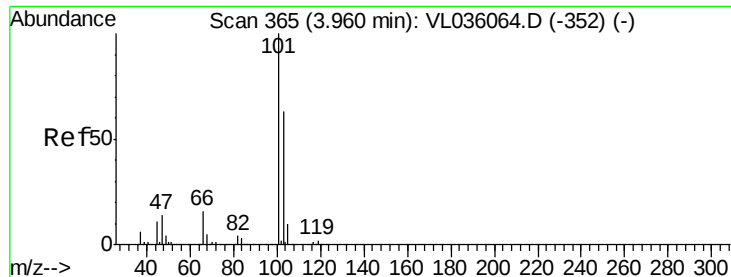
Tgt Ion: 43 Resp: 387

Ion Ratio Lower Upper

43 100

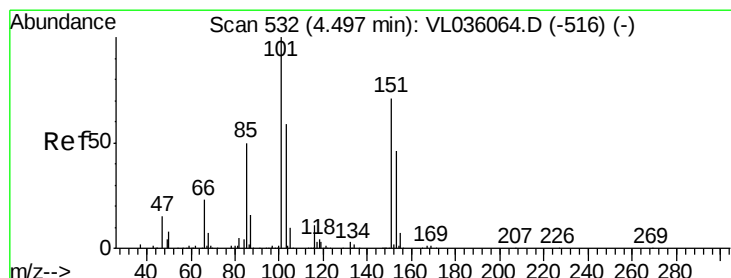
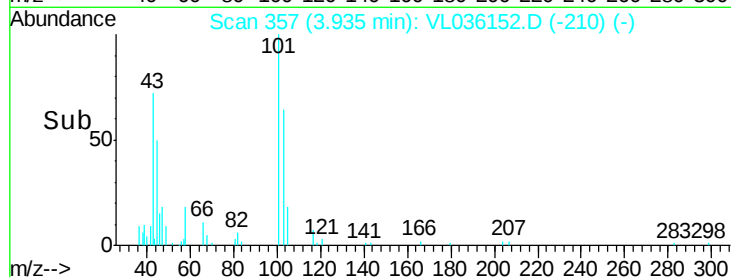
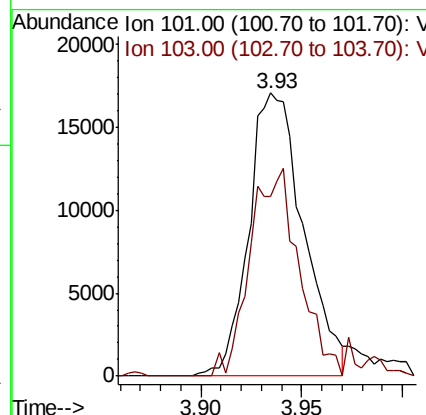
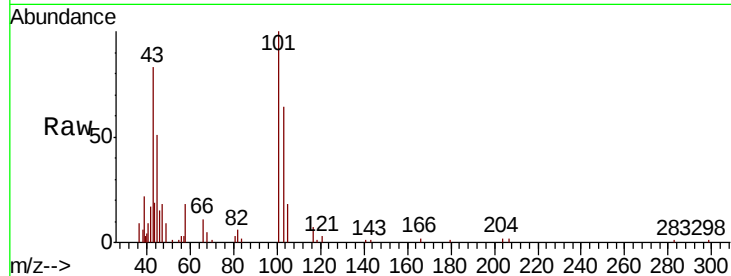
57 0.0 37.9 56.9#





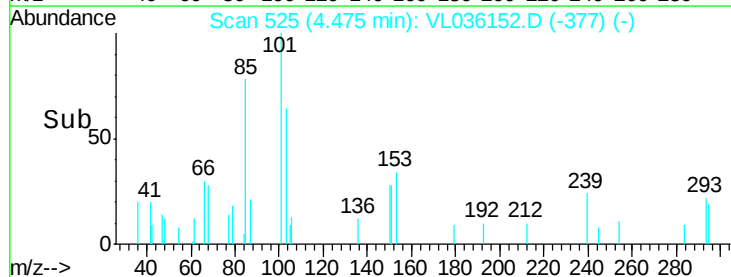
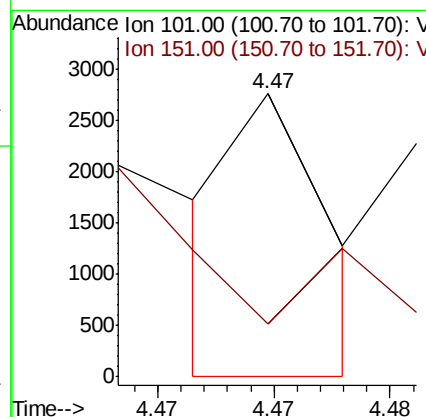
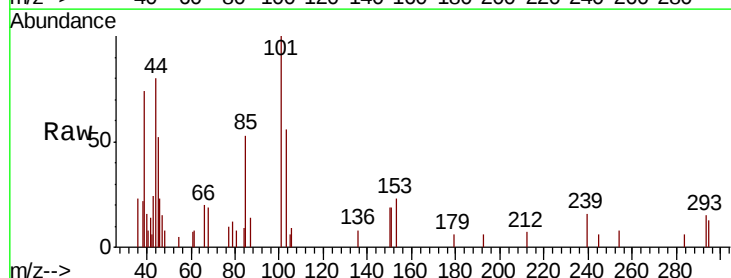
#11  
 Trichlorofluoromethane  
 Concen: 0.179 ppbv  
 RT: 3.93 min Scan# 357  
 Delta R.T. -0.03 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

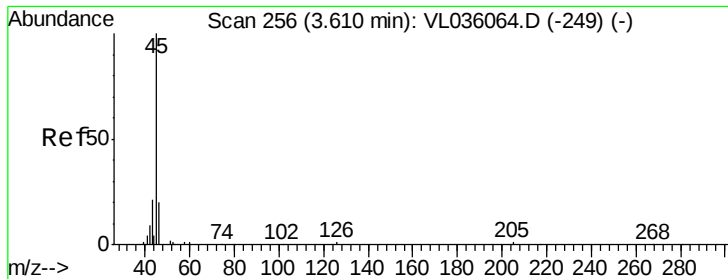
Tot Ion:101 Resp: 32194  
 Ion Ratio Lower Upper  
 101 100  
 103 63.7 50.3 75.5



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.006 ppbv  
 RT: 4.47 min Scan# 525  
 Delta R.T. -0.02 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

Tgt Ion:101 Resp: 777  
 Ion Ratio Lower Upper  
 101 100  
 151 0.0 59.3 88.9#





#13

Ethanol

Concen: 456.103 ppbv

RT: 3.60 min Scan# 252

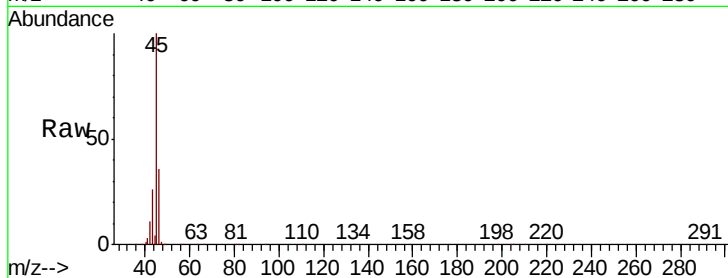
Delta R.T. -0.01 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

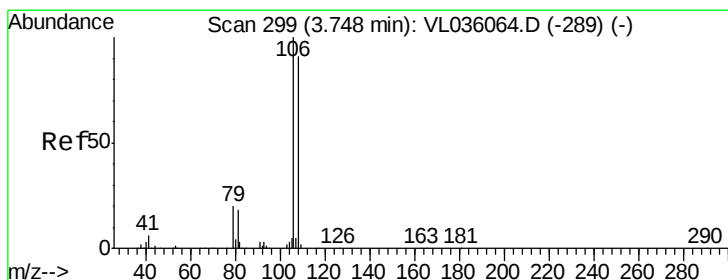
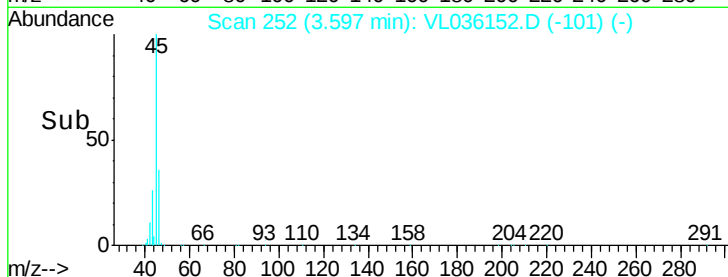
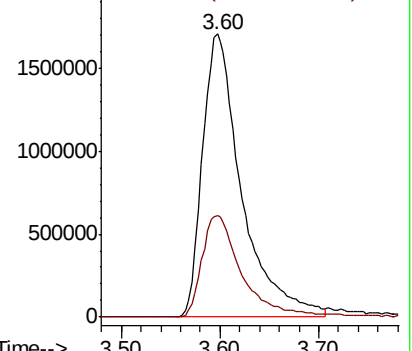
Tot Ion: 45 Resp: 4725316

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 46  | 37.2  | 19.0  | 75.8  |



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.001 ppbv

RT: 3.73 min Scan# 292

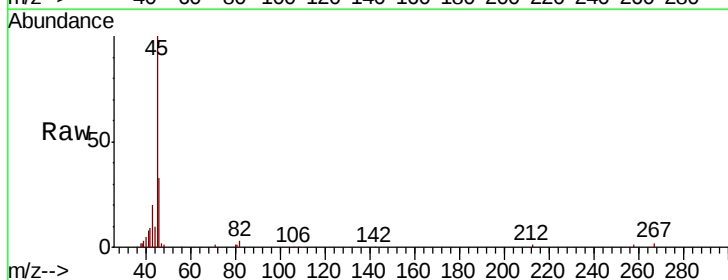
Delta R.T. -0.02 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tgt Ion: 108 Resp: 71

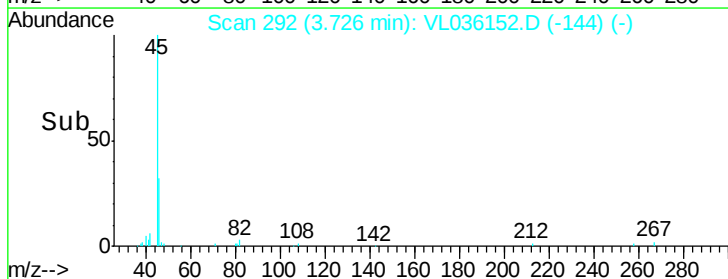
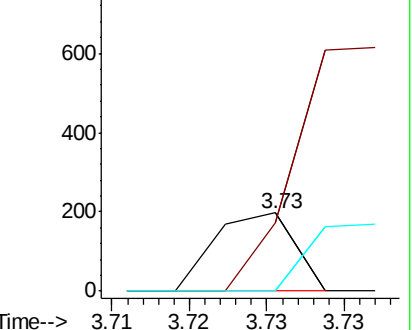
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 108 | 100   |       |        |
| 106 | 643.7 | 91.0  | 136.4# |
| 79  | 0.0   | 19.3  | 28.9#  |

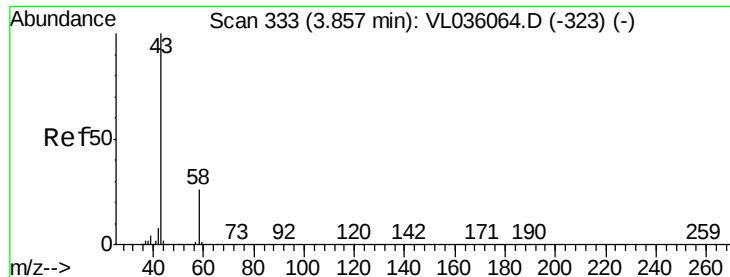


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.469 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036152.D

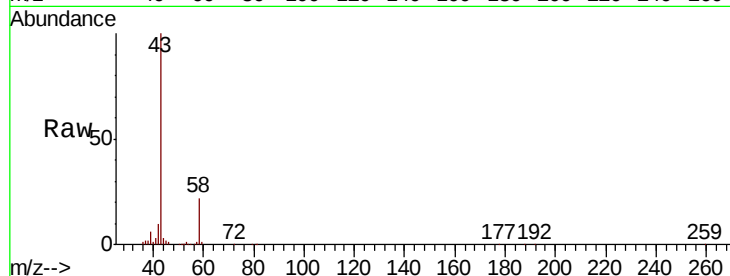
Acq: 11 Dec 2020 6:43

Tot Ion: 43 Resp: 1180282

Ion Ratio Lower Upper

43 100

58 24.2 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

600000

500000

400000

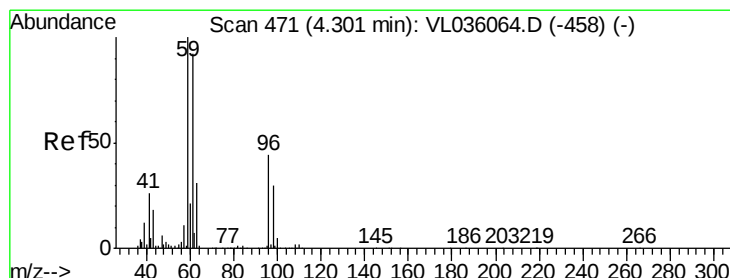
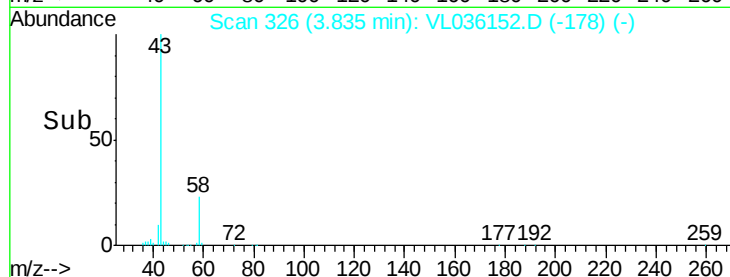
300000

200000

100000

0

Time-->



#17

tert-Butyl alcohol

Concen: 0.002 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL036152.D

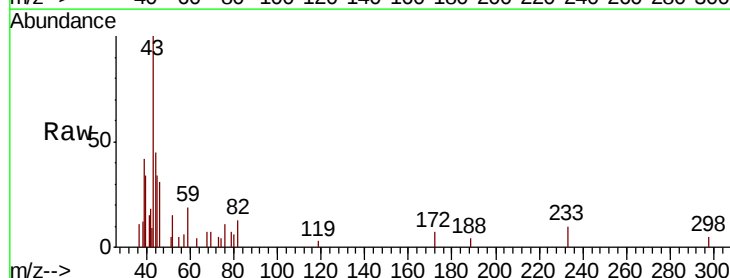
Acq: 11 Dec 2020 6:43

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

1200

1000

800

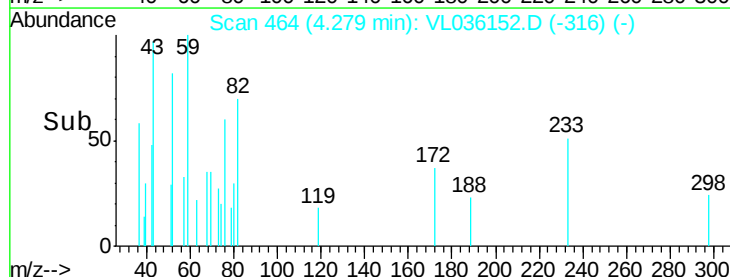
600

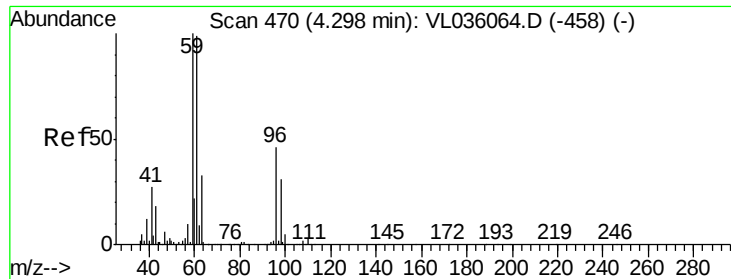
400

200

0

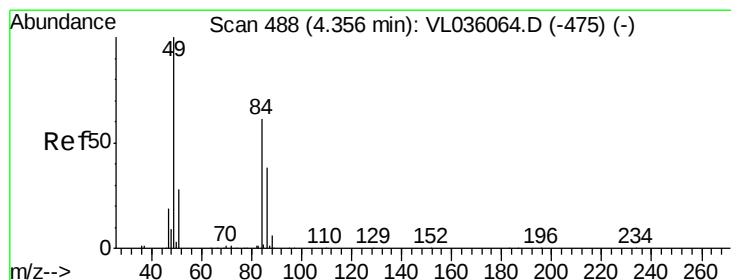
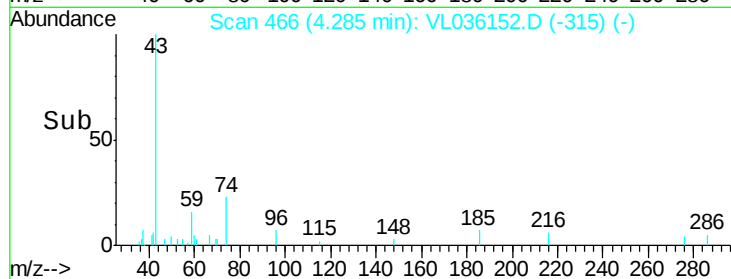
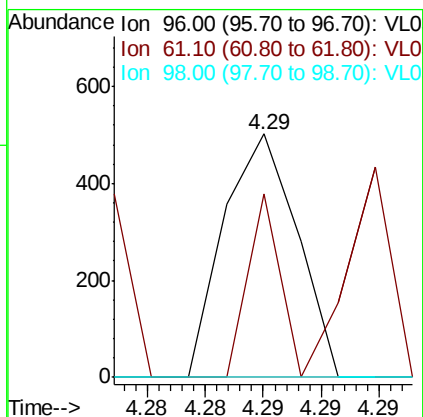
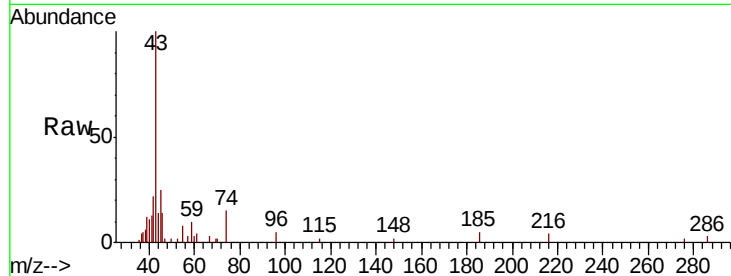
Time-->





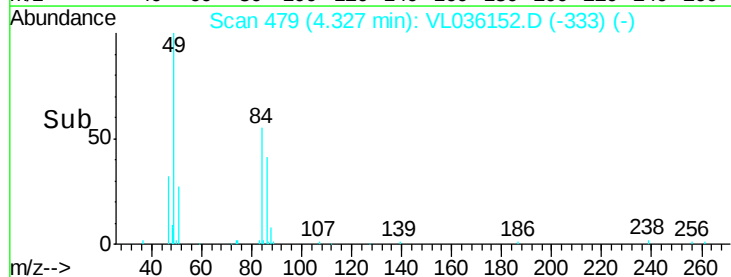
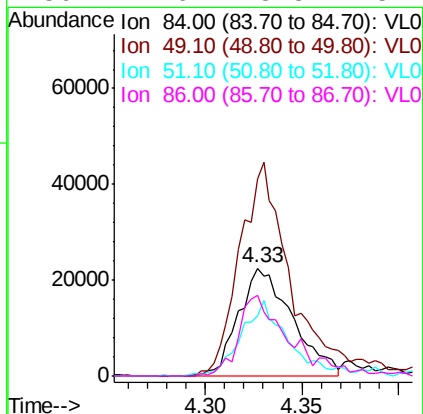
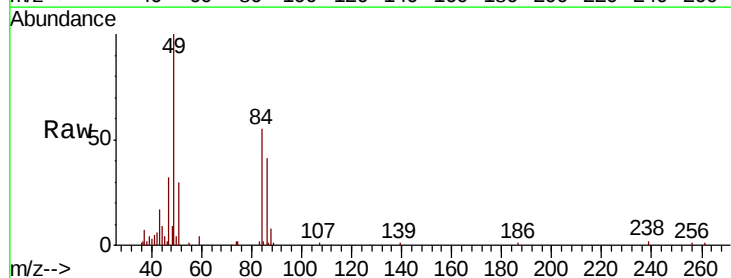
#18  
 1,1-Dichloroethene  
 Concen: 0.004 ppbv  
 RT: 4.29 min Scan# 466  
 Delta R.T. -0.01 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

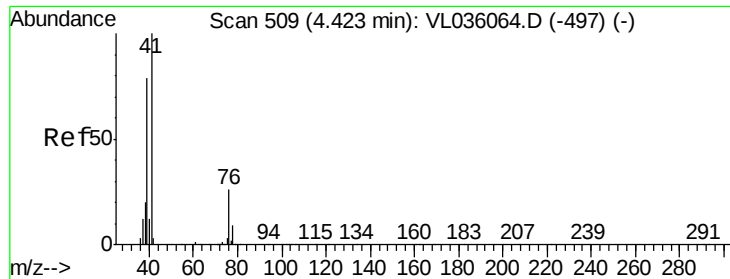
Tot Ion: 96 Resp: 220  
 Ion Ratio Lower Upper  
 96 100  
 61 75.5 171.4 257.2#  
 98 0.0 54.2 81.2#



#20  
 Methylene Chloride  
 Concen: 0.671 ppbv  
 RT: 4.33 min Scan# 479  
 Delta R.T. -0.03 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

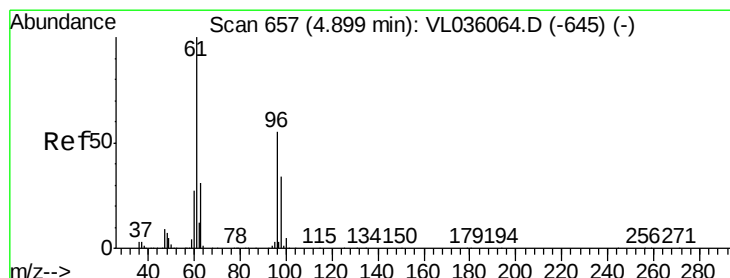
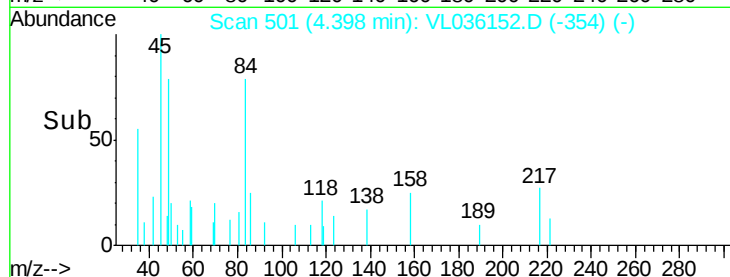
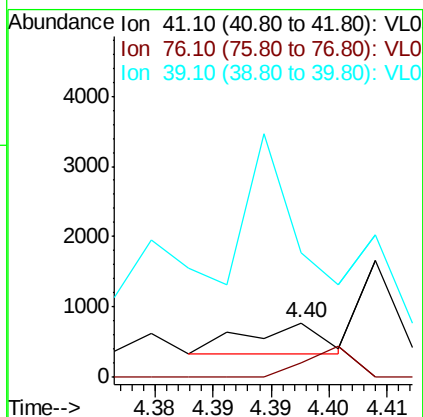
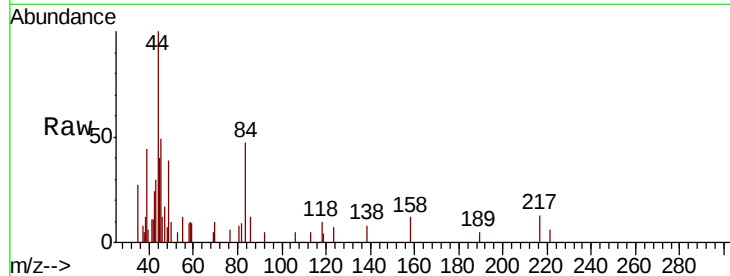
Tgt Ion: 84 Resp: 43425  
 Ion Ratio Lower Upper  
 84 100  
 49 182.8 133.0 199.4  
 51 54.4 38.9 58.3  
 86 74.6 48.8 73.2#





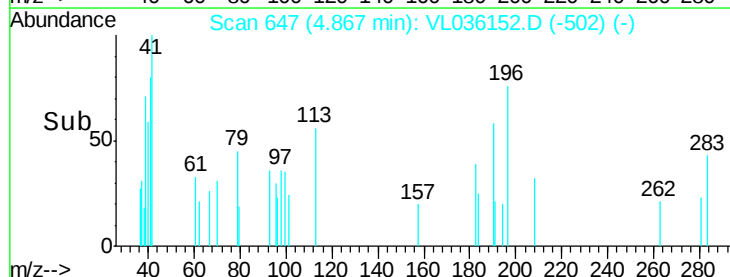
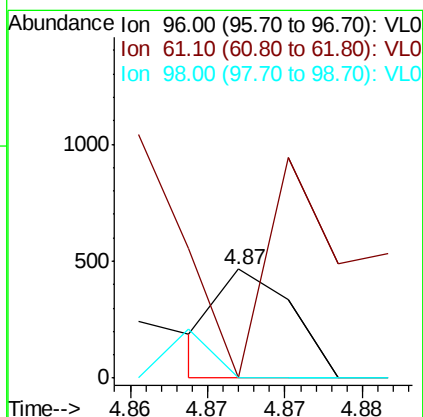
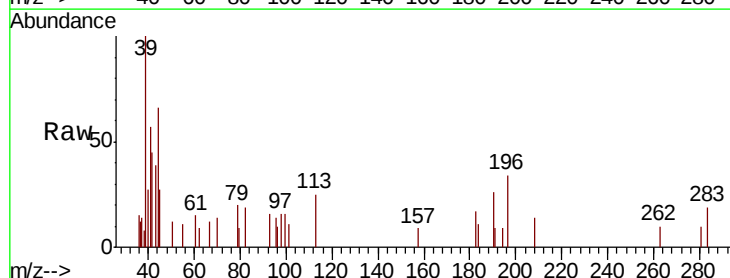
#21  
Allvl Chloride  
Concen: 0.002 ppbv  
RT: 4.40 min Scan# 501  
Delta R.T. -0.03 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

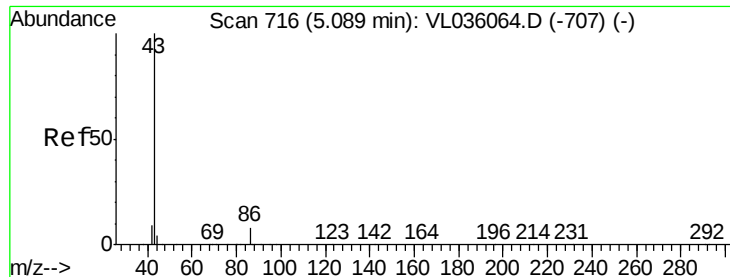
Tot Ion: 41 Resp: 200  
Ion Ratio Lower Upper  
41 100  
76 0.0 21.0 31.4#  
39 2738.0 66.0 99.0#



#22  
trans-1,2-Dichloroethene  
Concen: 0.003 ppbv  
RT: 4.87 min Scan# 647  
Delta R.T. -0.03 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

Tgt Ion: 96 Resp: 154  
Ion Ratio Lower Upper  
96 100  
61 0.0 145.7 218.5#  
98 0.0 49.2 73.8#





#23

Vinyl Acetate

Concen: 0.004 ppbv

RT: 5.06 min Scan# 707

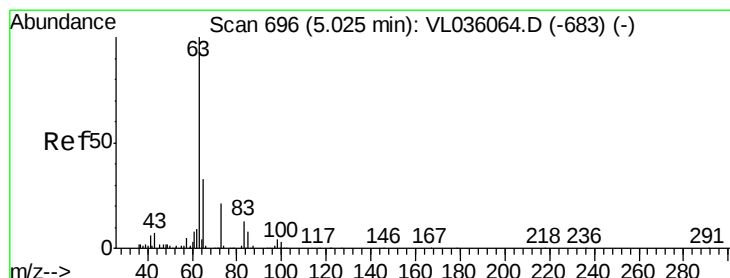
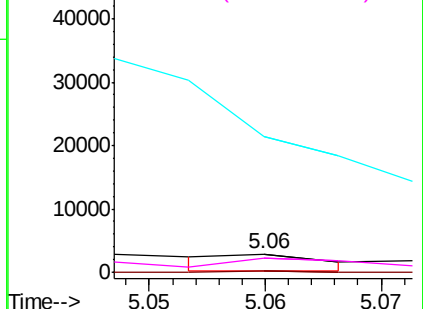
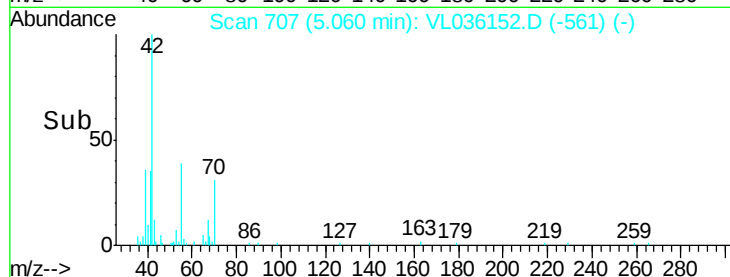
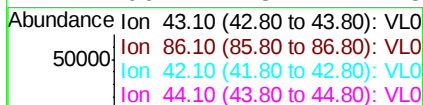
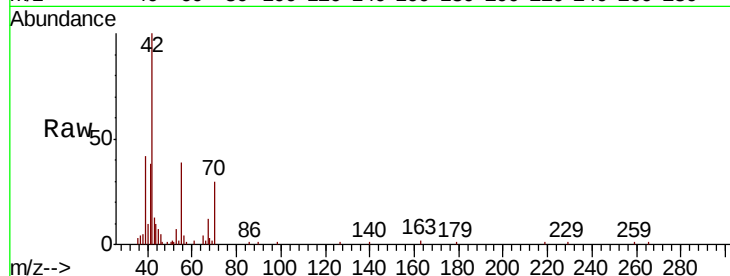
Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tot Ion: 43 Resp: 773

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 18.3  | 5.0   | 7.4#  |
| 42  | 227.5 | 7.8   | 11.6# |
| 44  | 100.2 | 3.2   | 4.8#  |



#24

1,1-Dichloroethane

Concen: 0.002 ppbv

RT: 5.00 min Scan# 687

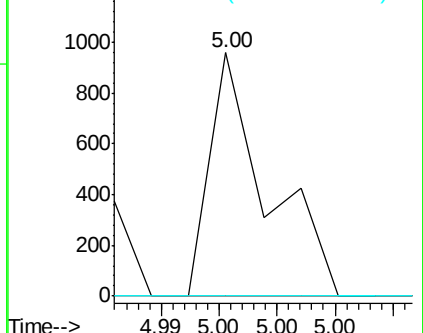
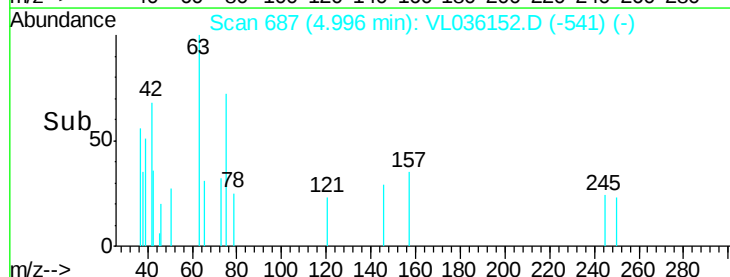
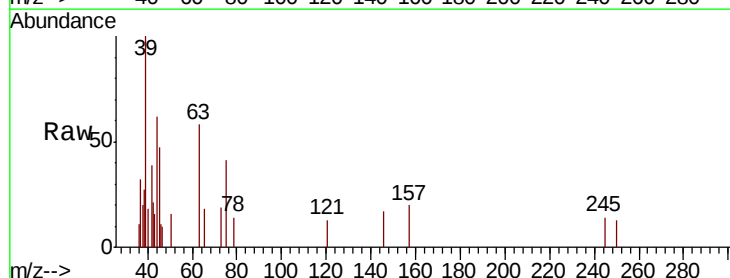
Delta R.T. -0.03 min

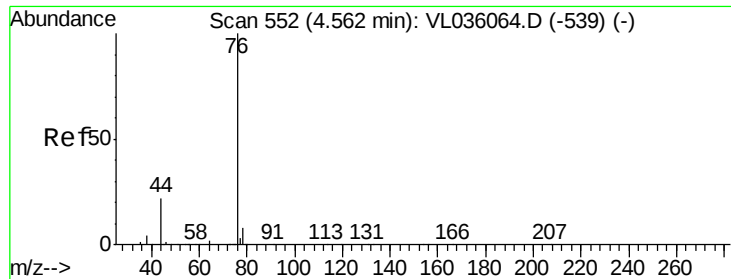
Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tgt Ion: 63 Resp: 328

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 0.0   | 2.2   | 6.6#  |
| 100 | 0.0   | 1.5   | 4.4#  |





#27

Carbon Disulfide

Concen: 0.007 ppbv

RT: 4.53 min Scan# 542

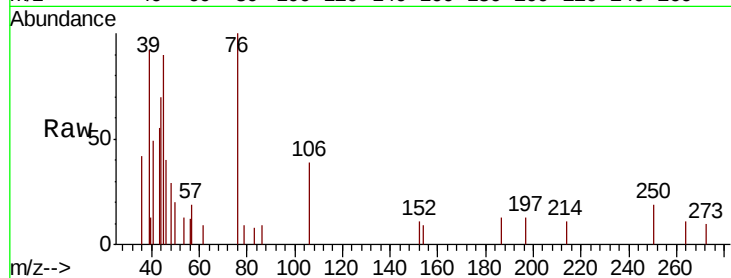
Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tot Ion: 76 Resp: 957

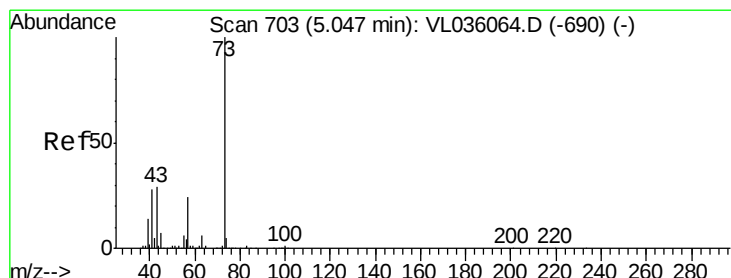
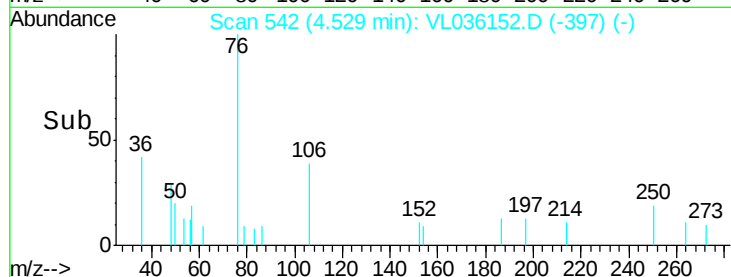
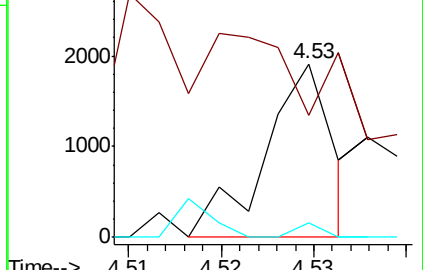
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 0.0   | 17.9  | 26.9# |
| 78  | 0.0   | 7.8   | 11.8# |



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: 0.002 ppbv

RT: 5.03 min Scan# 697

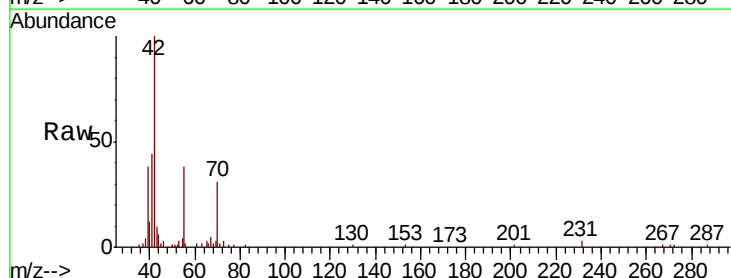
Delta R.T. -0.02 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

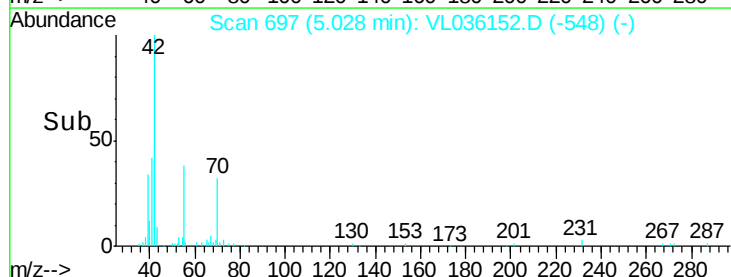
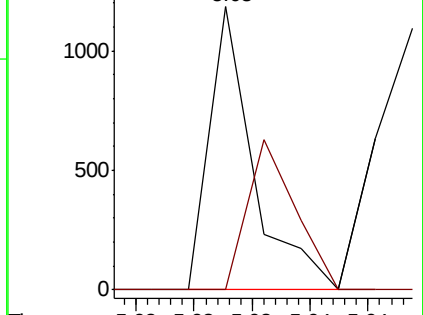
Tgt Ion: 73 Resp: 306

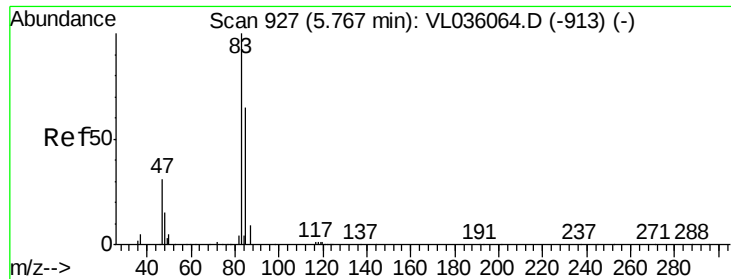
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 79.4  | 19.2  | 28.8# |



Abundance Ion 73.10 (72.80 to 73.80): VL0

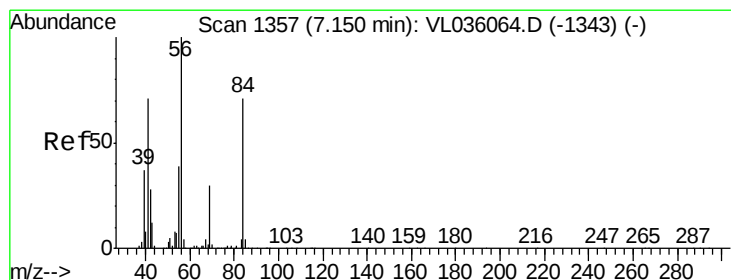
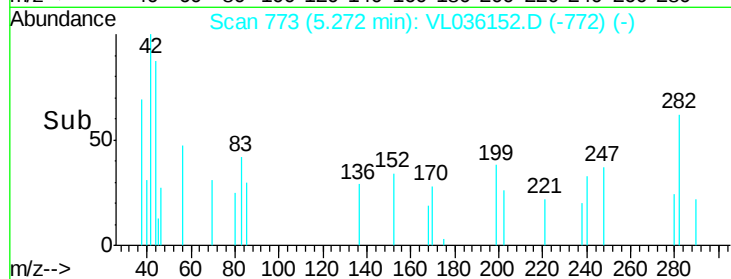
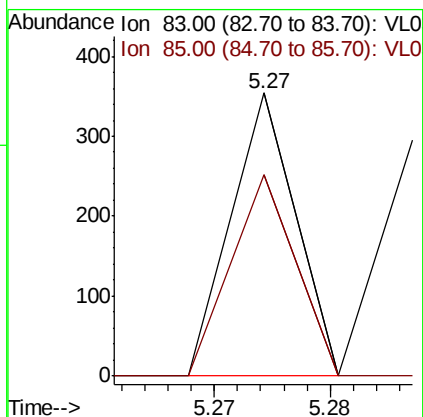
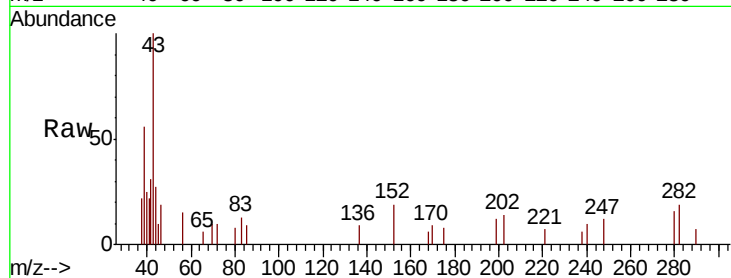
Ion 57.10 (56.80 to 57.80): VL0





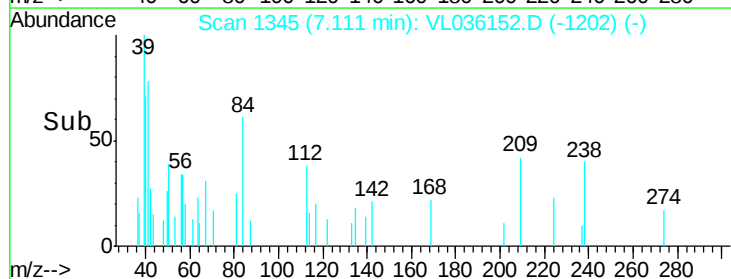
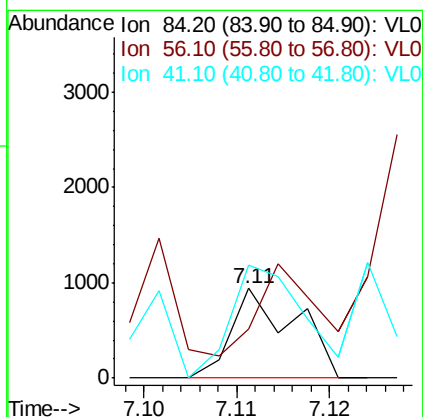
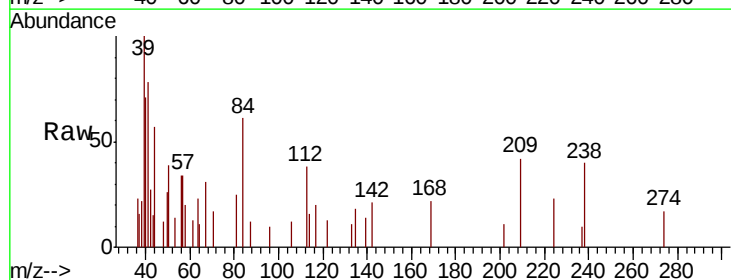
#29  
Chloroform  
Concen: 0.000 ppbv  
RT: 5.27 min Scan# 773  
Delta R.T. -0.50 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

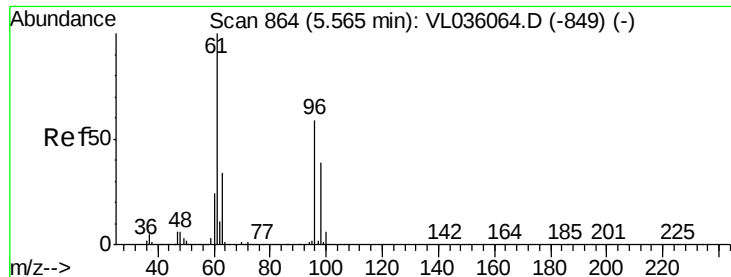
Tot Ion: 83 Resp: 68  
Ion Ratio Lower Upper  
83 100  
85 71.2 51.8 77.6



#30  
Cyclohexane  
Concen: 0.004 ppbv  
RT: 7.11 min Scan# 1345  
Delta R.T. -0.04 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

Tgt Ion: 84 Resp: 450  
Ion Ratio Lower Upper  
84 100  
56 0.0 128.0 192.0#  
41 112.0 81.3 121.9

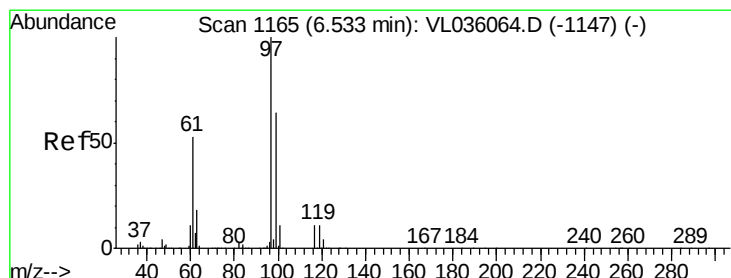
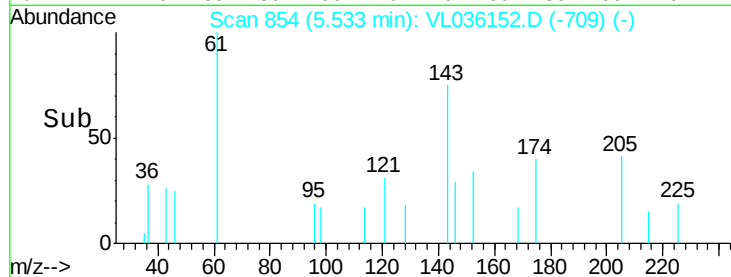
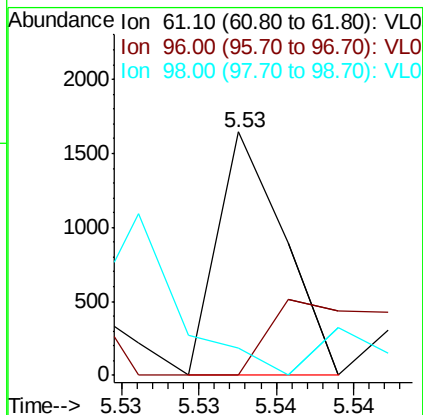
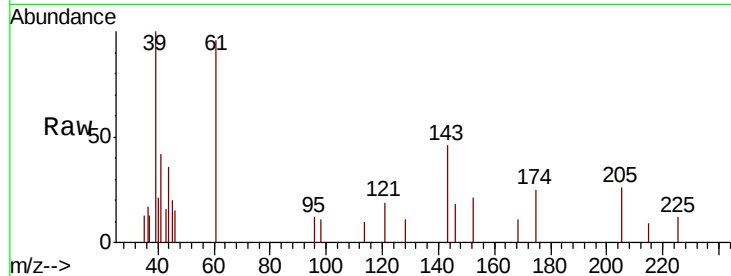




#31

cis-1,2-Dichloroethene  
Concen: 0.004 ppbv  
RT: 5.53 min Scan# 854  
Delta R.T. -0.03 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

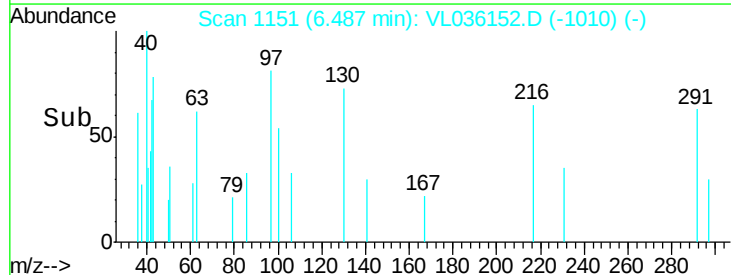
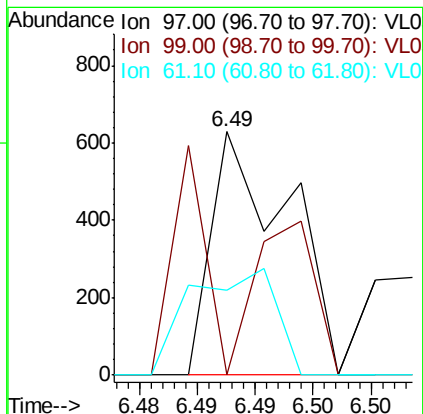
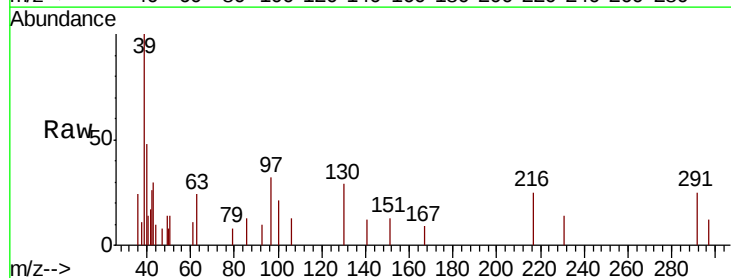
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 61      | 100   |       |       |
| 96      | 0.0   | 47.3  | 70.9# |
| 98      | 0.0   | 31.4  | 47.0# |

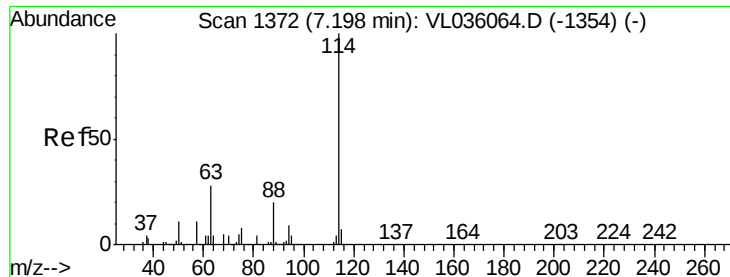


#32

1,1,1-Trichloroethane  
Concen: 0.002 ppbv  
RT: 6.49 min Scan# 1151  
Delta R.T. -0.05 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 89.3  | 52.4  | 78.6# |
| 61      | 48.4  | 43.4  | 65.0  |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

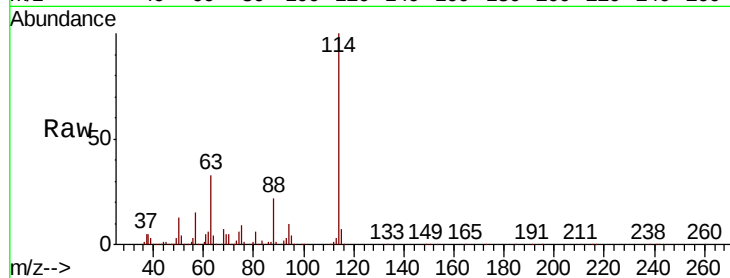
Tot Ion:114 Resp: 2460575

Ion Ratio Lower Upper

114 100

63 33.4 23.6 35.4

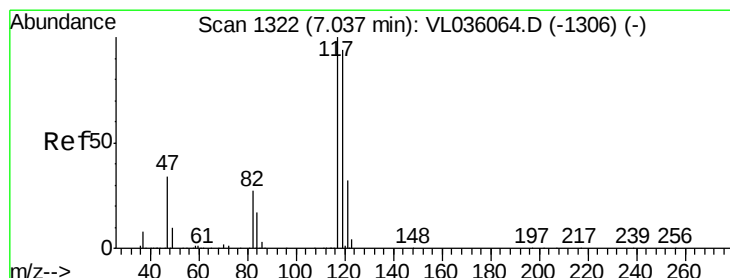
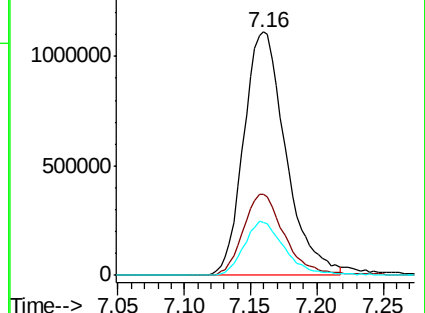
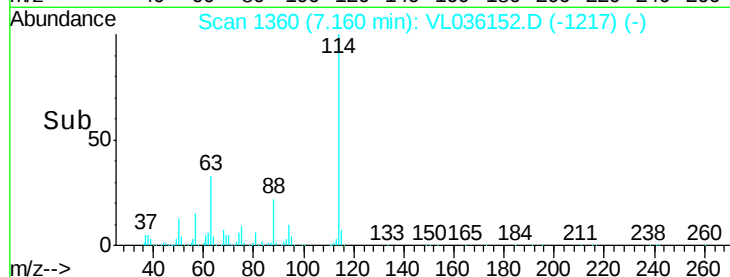
88 21.9 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#35

Carbon Tetrachloride

Concen: 0.004 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

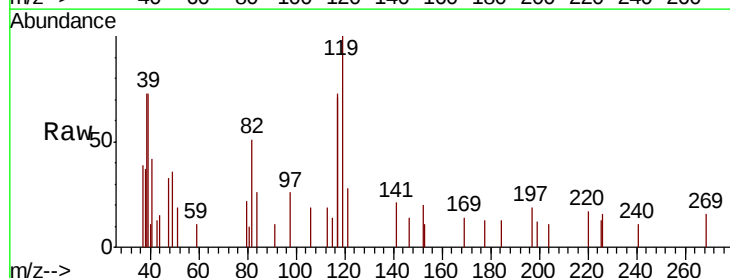
Tgt Ion:117 Resp: 643

Ion Ratio Lower Upper

117 100

119 19.0 75.1 112.7#

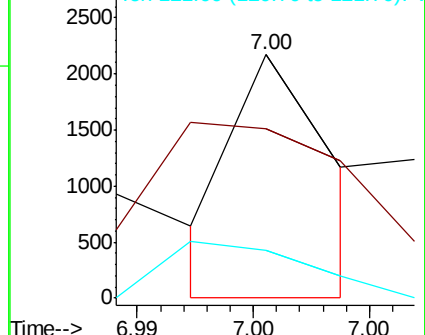
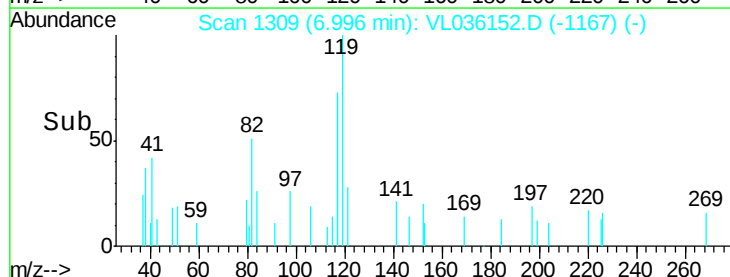
121 14.7 25.6 38.4#

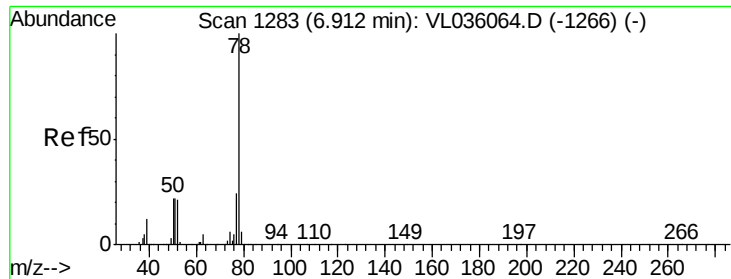


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 0.009 ppbv

RT: 6.87 min Scan# 1270

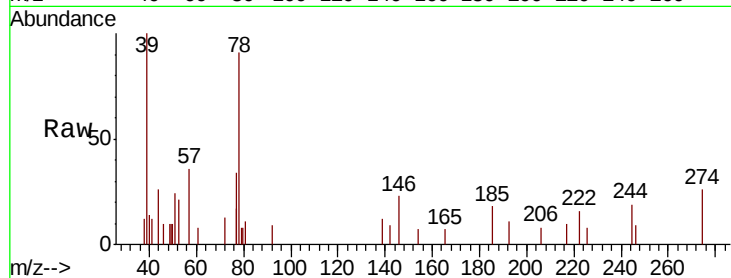
Delta R.T. -0.04 min

Lab File: VL036152.D

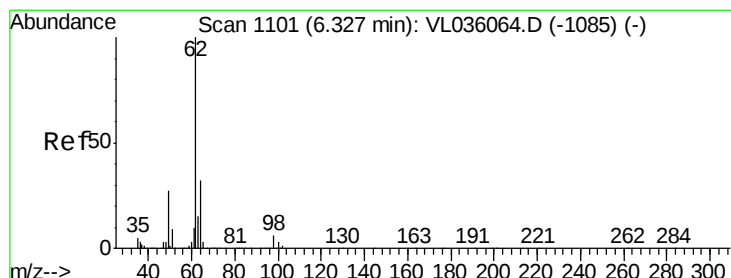
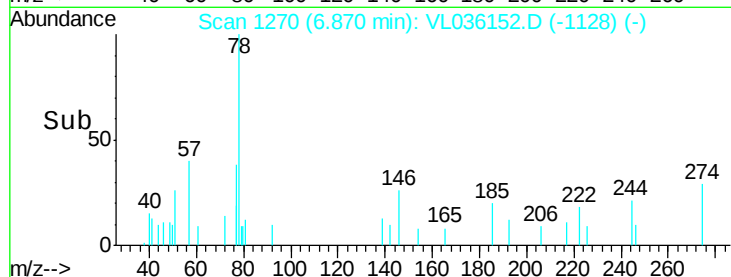
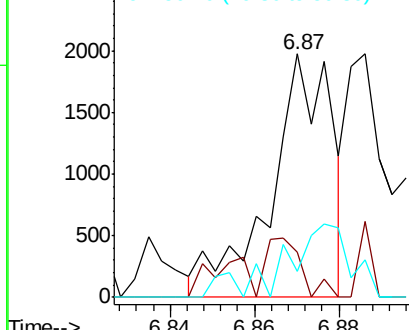
Acq: 11 Dec 2020 6:43

Tot Ion: 78 Resp: 1977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 10.9  | 19.4  | 29.2# |
| 50  | 40.4  | 17.8  | 26.8# |



Abundance Ion 78.10 (77.80 to 78.80): VL0  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.004 ppbv

RT: 6.29 min Scan# 1091

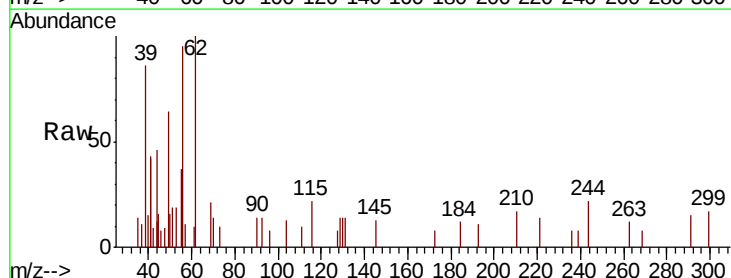
Delta R.T. -0.03 min

Lab File: VL036152.D

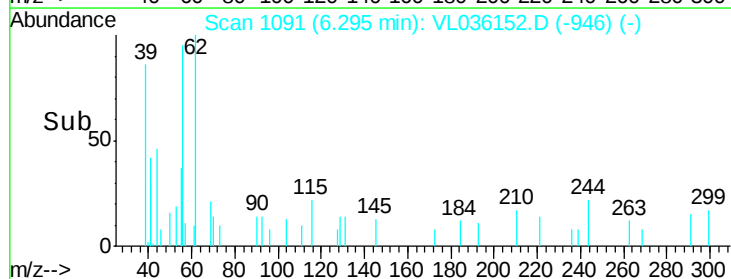
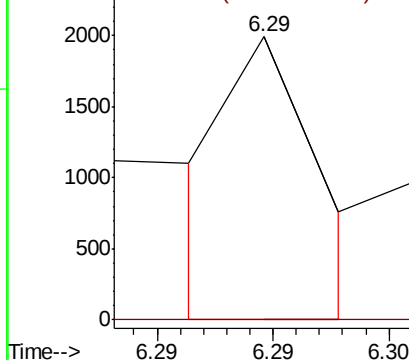
Acq: 11 Dec 2020 6:43

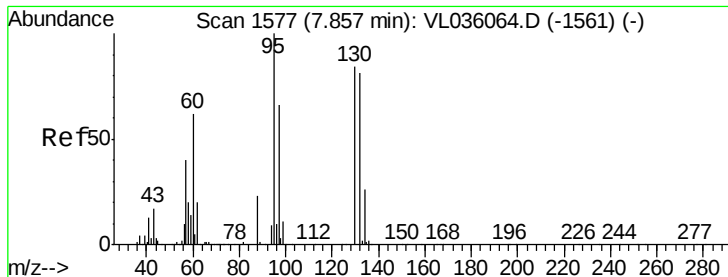
Tgt Ion: 62 Resp: 531

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 0.0   | 4.6   | 7.0#  |



Abundance Ion 62.10 (61.80 to 62.80): VL0  
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.006 ppbv

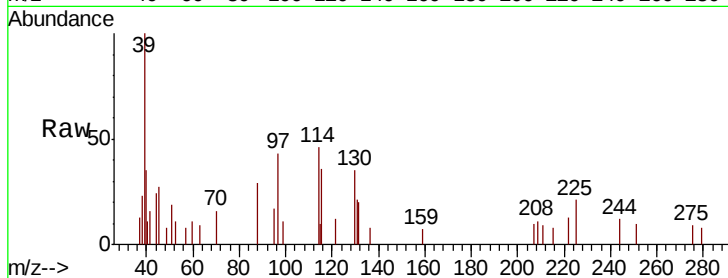
RT: 7.82 min Scan# 1564

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 130   | Resp: | 505    |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 30.7  | 95.2  | 142.8# |
| 132      | 0.0   | 76.9  | 115.3# |
| 97       | 77.2  | 62.3  | 93.5   |

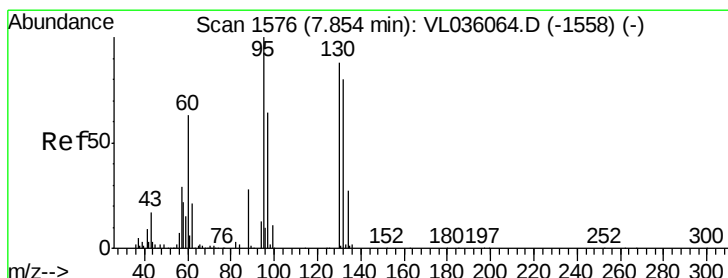
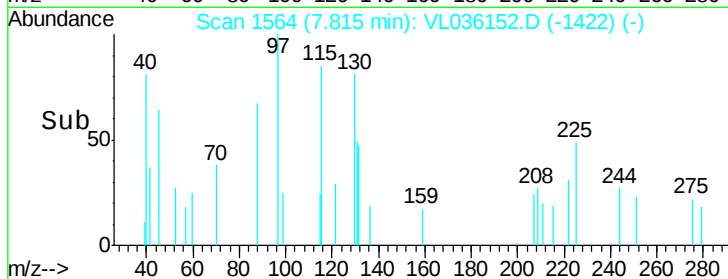
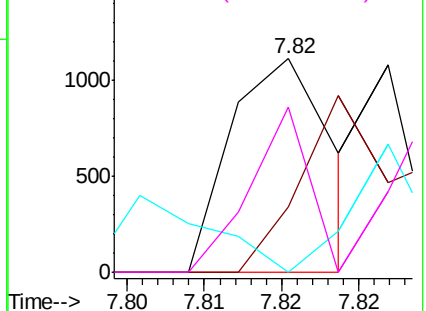


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#40

1,4-Dioxane

Concen: 0.015 ppbv

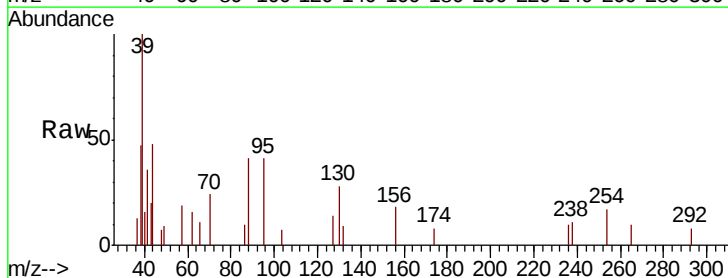
RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 88    | Resp: | 397    |
| Ion      | Ratio | Lower | Upper  |
| 88       | 100   |       |        |
| 58       | 0.0   | 122.6 | 184.0# |
| 43       | 0.0   | 0.0   | 0.0    |
| 57       | 107.1 | 0.0   | 0.0#   |

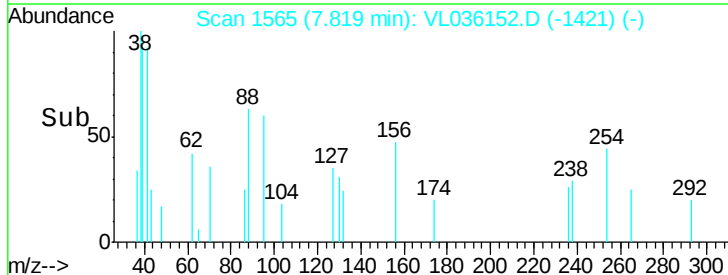
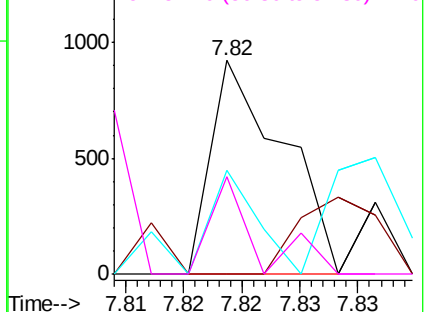


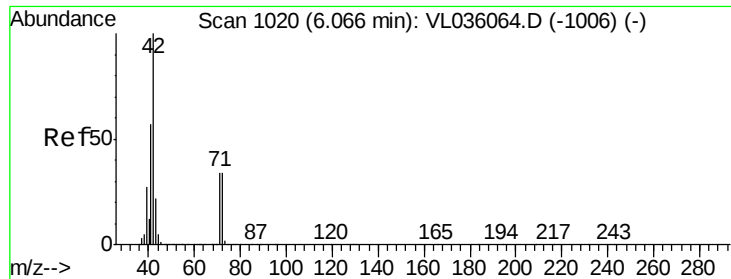
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.005 ppbv

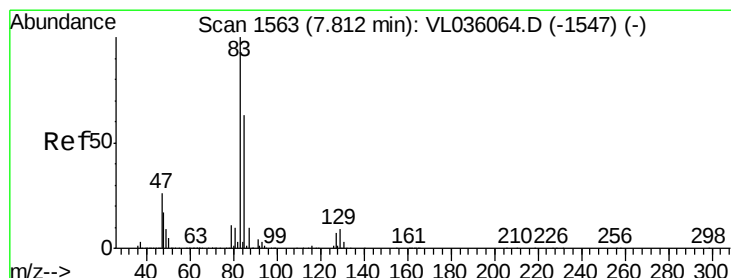
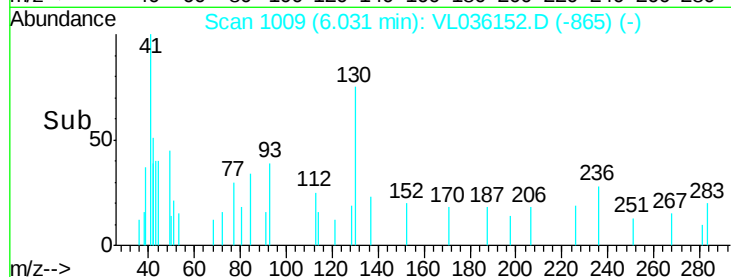
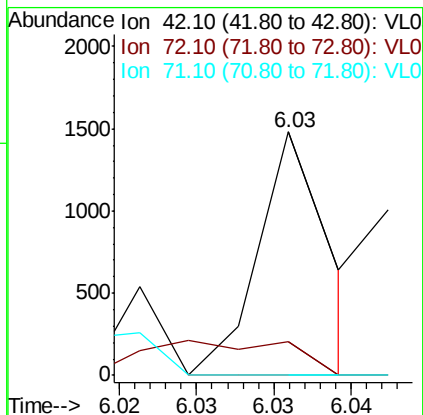
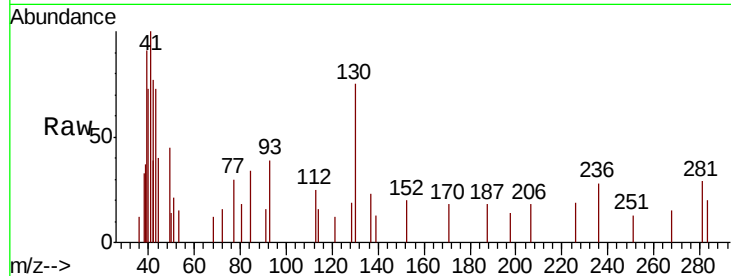
RT: 6.03 min Scan# 1009

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 468   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 0.0   | 28.3  | 42.5# |
| 71       | 0.0   | 27.3  | 40.9# |



#42

Bromodichloromethane

Concen: 0.002 ppbv

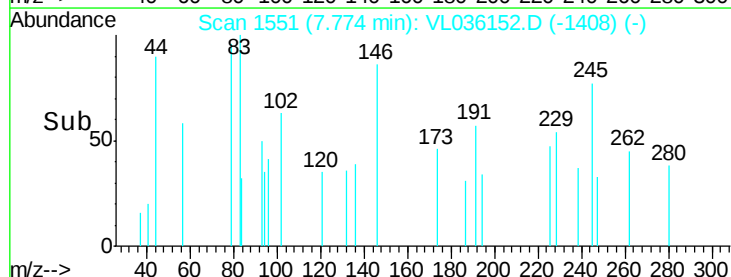
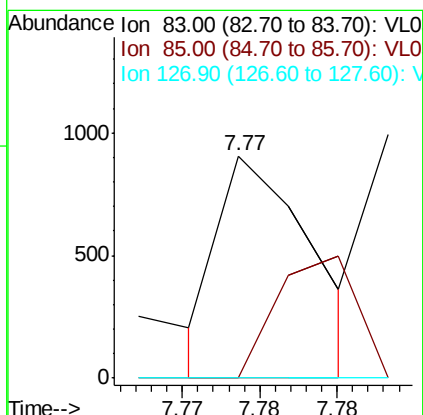
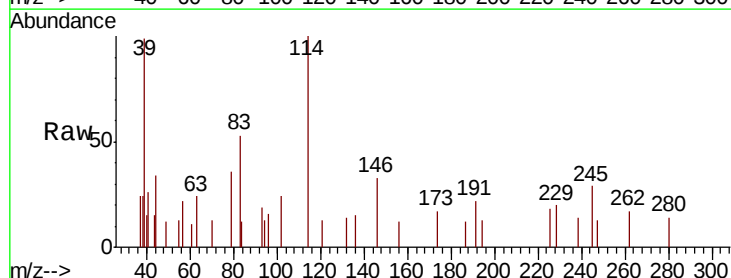
RT: 7.77 min Scan# 1551

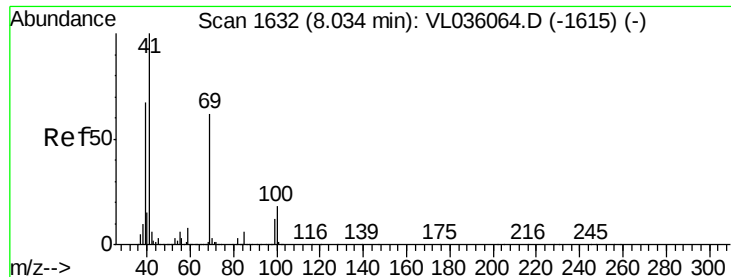
Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 380   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 0.0   | 50.2  | 75.2# |
| 127      | 0.0   | 5.5   | 8.3#  |





#43

Methyl Methacrylate

Concen: 0.002 ppbv

RT: 8.08 min Scan# 1646

Delta R.T. 0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

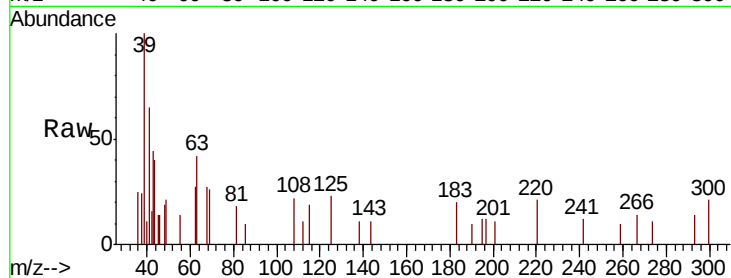
Tot Ion: 69 Resp: 148

Ion Ratio Lower Upper

69 100

41 85.1 133.0 199.6#

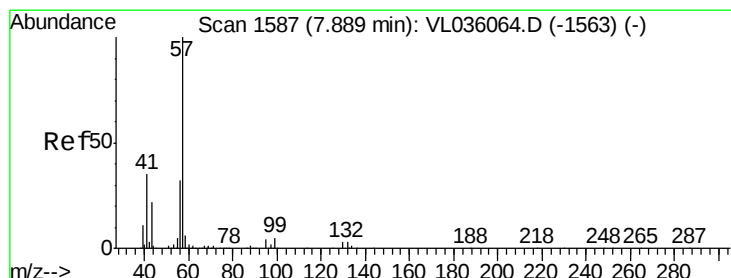
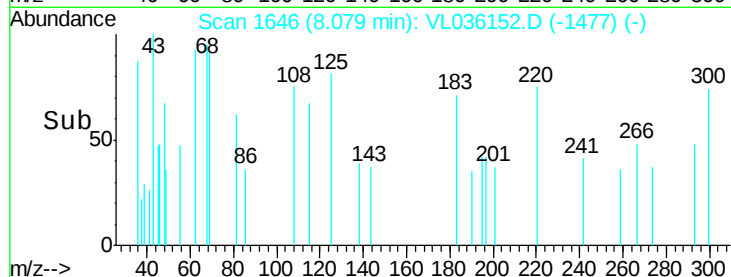
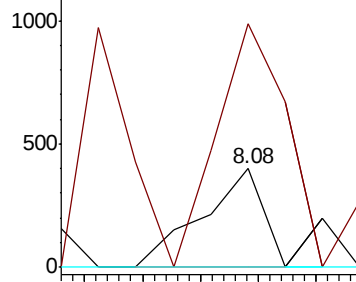
100 136.5 25.4 38.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.001 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

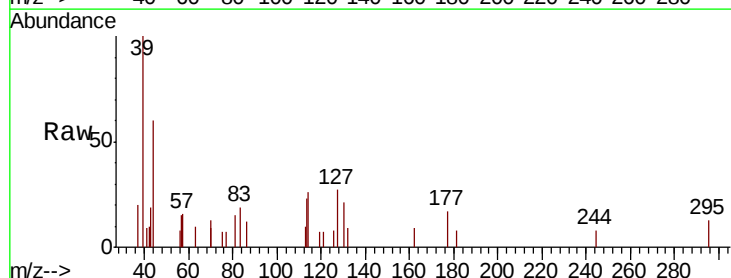
Tgt Ion: 57 Resp: 300

Ion Ratio Lower Upper

57 100

41 695.7 28.9 43.3#

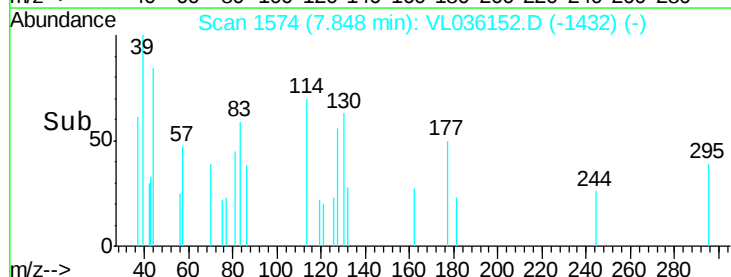
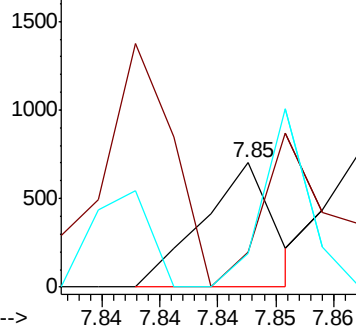
56 259.0 25.3 37.9#

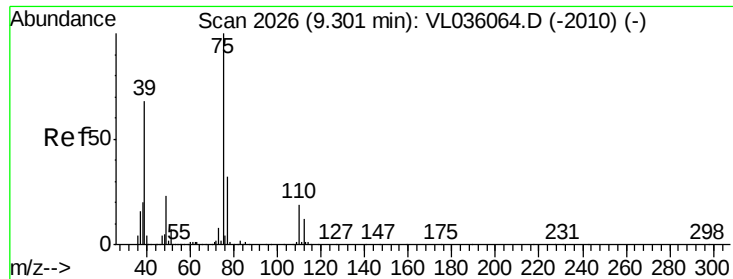


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 9.23 min Scan# 2005

Delta R.T. -0.07 min

Lab File: VL036152.D

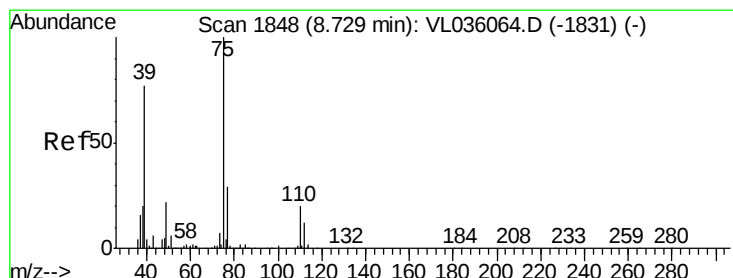
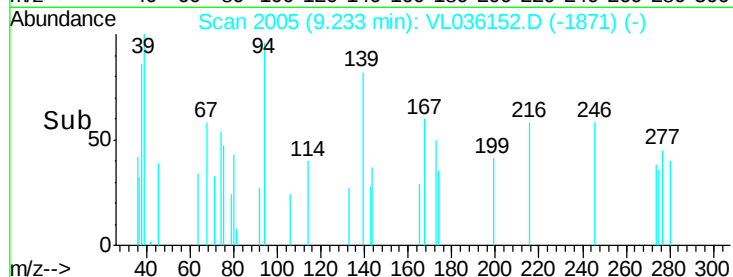
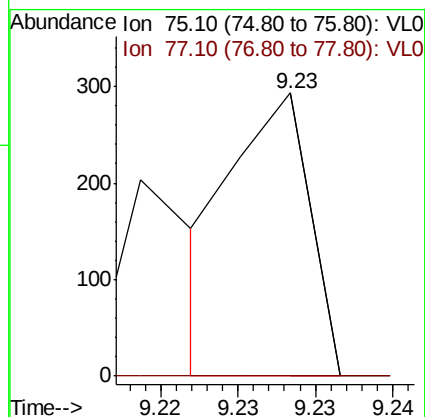
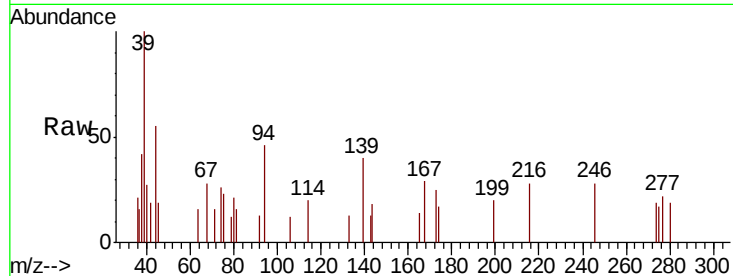
Acq: 11 Dec 2020 6:43

Tot Ion: 75 Resp: 100

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

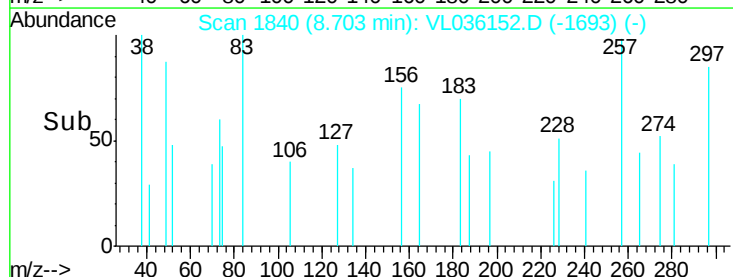
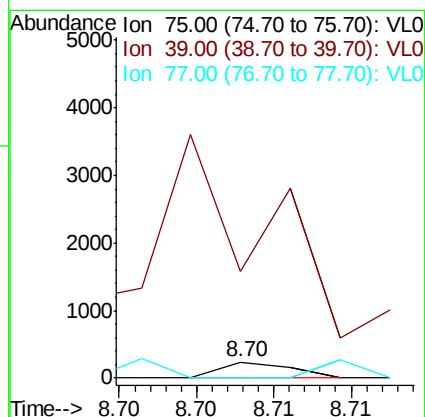
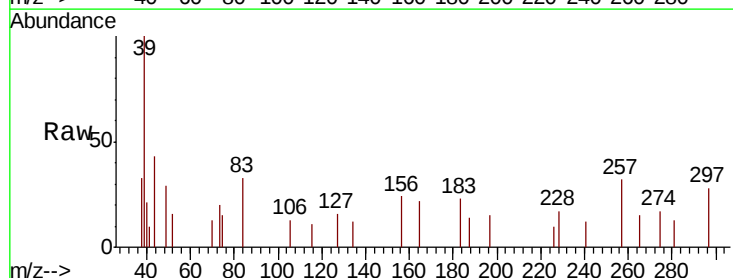
Tgt Ion: 75 Resp: 78

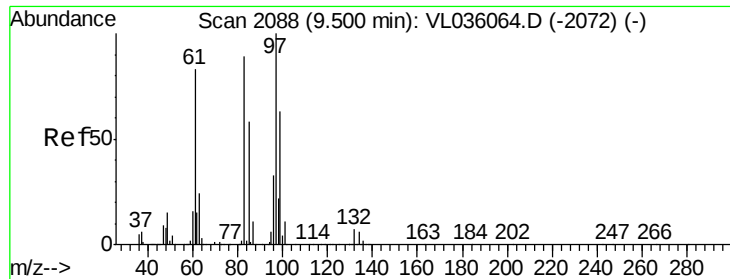
Ion Ratio Lower Upper

75 100

39 406.6 61.6 92.4#

77 0.0 23.0 34.6#





#47

1,1,2-Trichloroethane

Concen: 0.002 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tot Ion: 97 Resp: 138

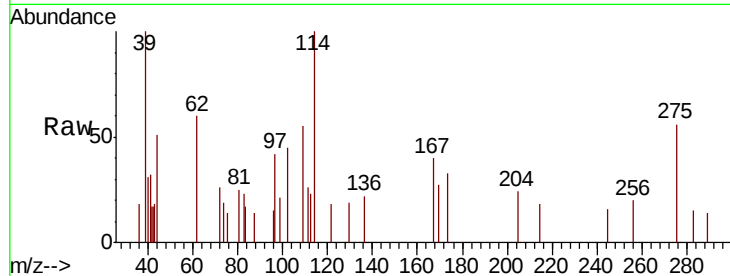
Ion Ratio Lower Upper

97 100

83 96.7 71.4 107.2

85 0.0 46.6 70.0#

99 50.0 50.7 76.1#

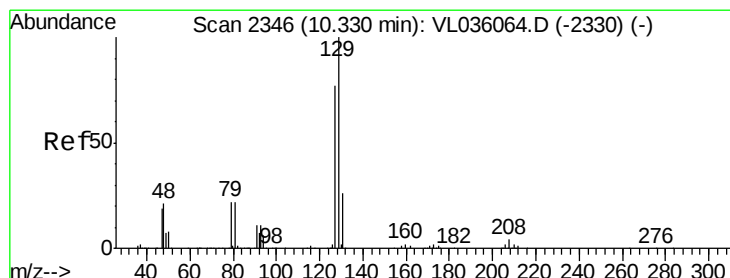
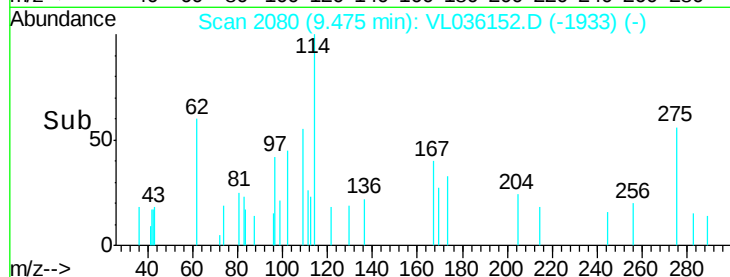
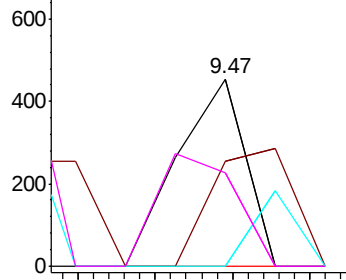


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.001 ppbv

RT: 10.46 min Scan# 2387

Delta R.T. 0.13 min

Lab File: VL036152.D

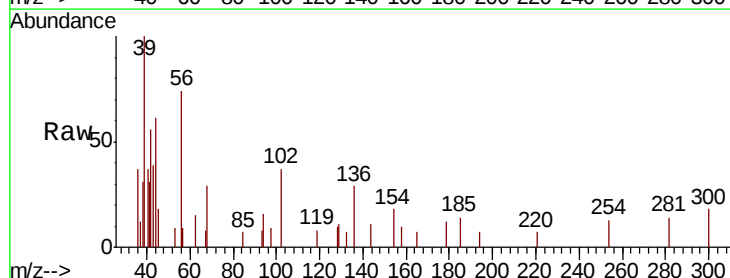
Acq: 11 Dec 2020 6:43

Tgt Ion: 129 Resp: 100

Ion Ratio Lower Upper

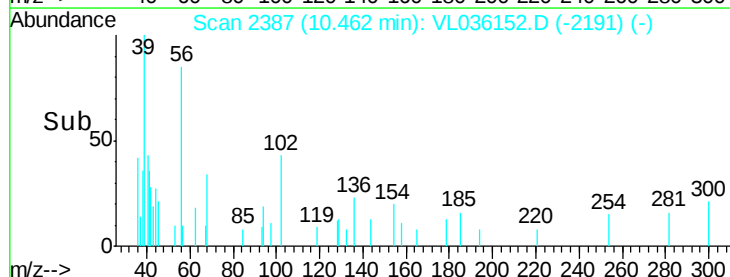
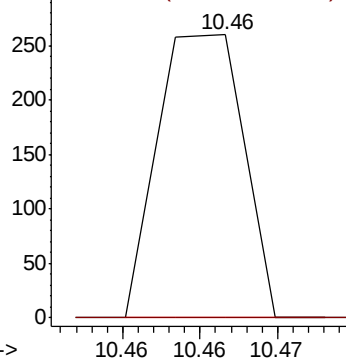
129 100

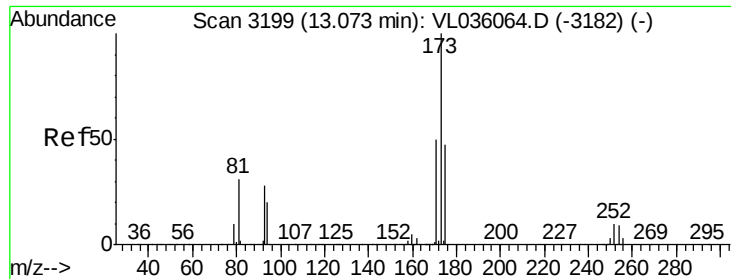
127 52.0 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.002 ppbv

RT: 12.93 min Scan# 3155

Delta R.T. -0.14 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

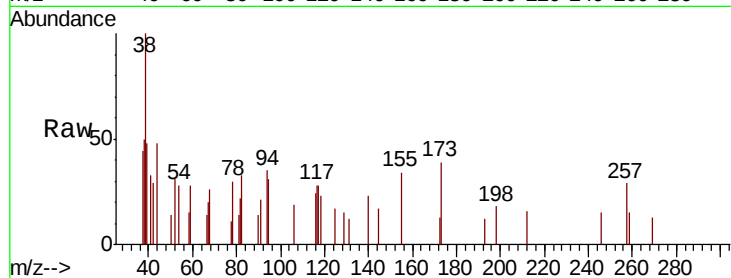
Tot Ion: 173 Resp: 183

Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.6#

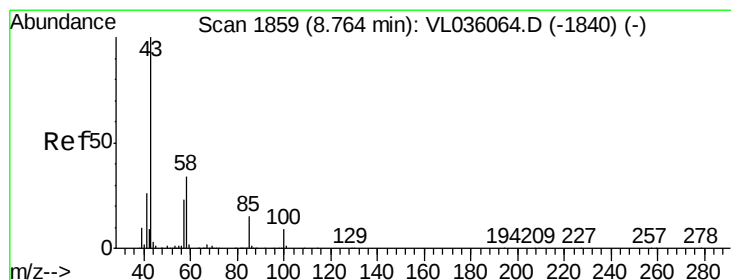
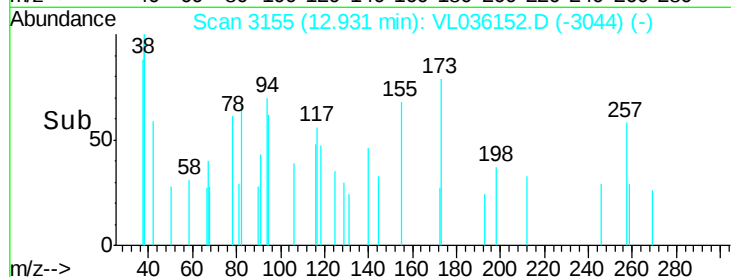
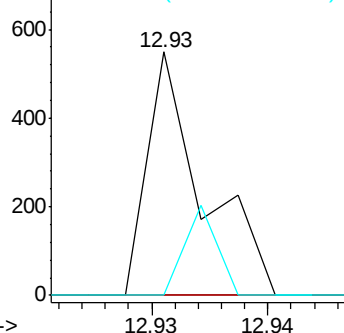
171 116.4 42.5 63.7#



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: 0.003 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.05 min

Lab File: VL036152.D

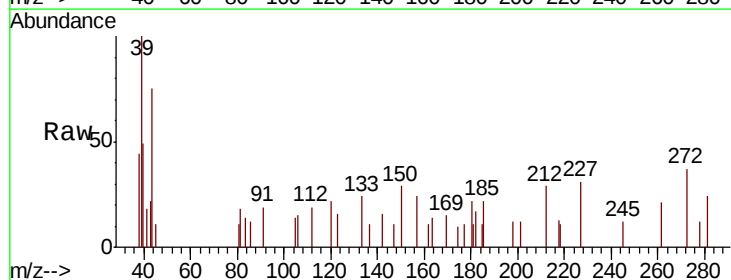
Acq: 11 Dec 2020 6:43

Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

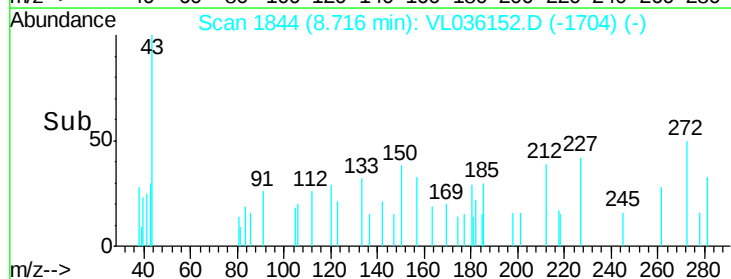
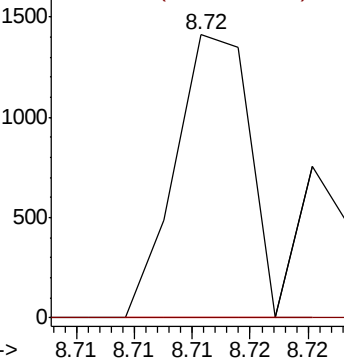
43 100

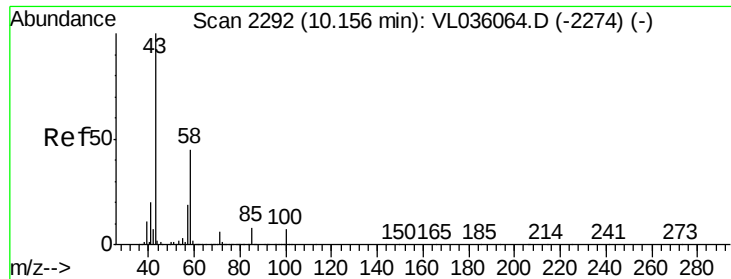
58 0.0 27.4 41.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

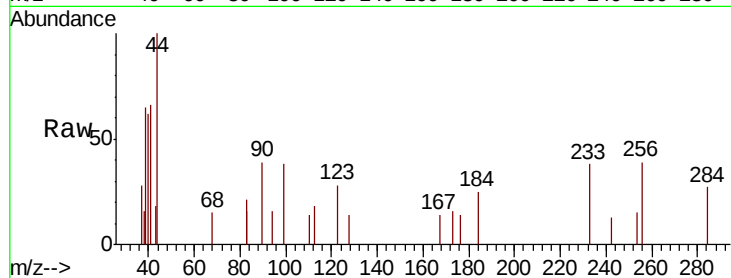
Ion 58.10 (57.80 to 58.80): VL0



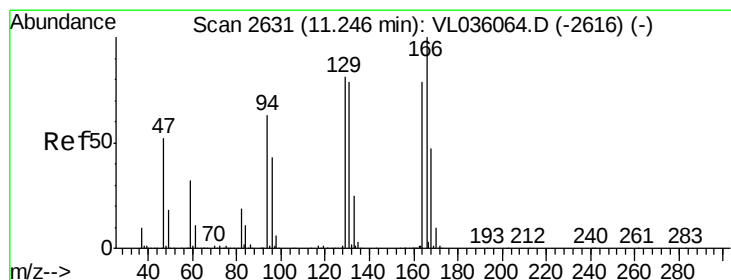
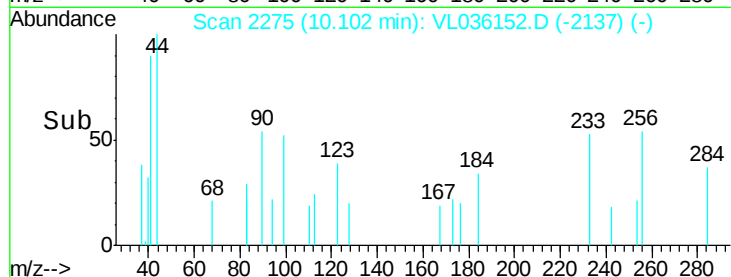
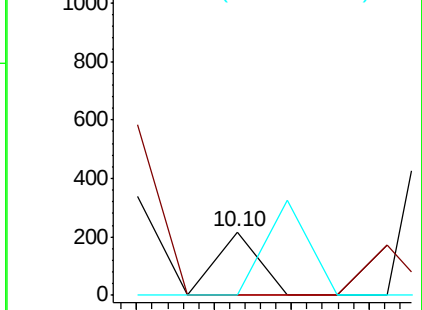


#51  
2-Hexanone  
Concen: 0.000 ppbv  
RT: 10.10 min Scan# 2275  
Delta R.T. -0.05 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

Tot Ion: 43 Resp: 42  
Ion Ratio Lower Upper  
43 100  
58 0.0 38.7 58.1#  
98 150.0 0.1 0.1#

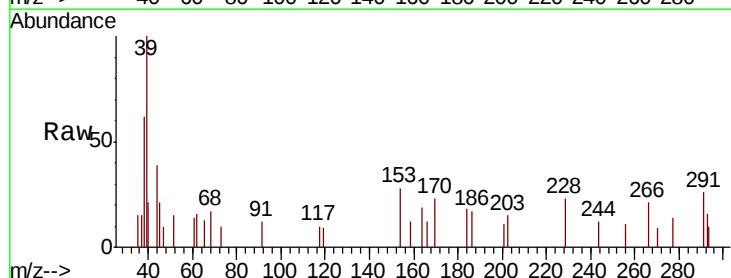


Abundance Ion 43.10 (42.80 to 43.80): VL0  
Ion 58.10 (57.80 to 58.80): VL0  
Ion 98.20 (97.90 to 98.90): VL0

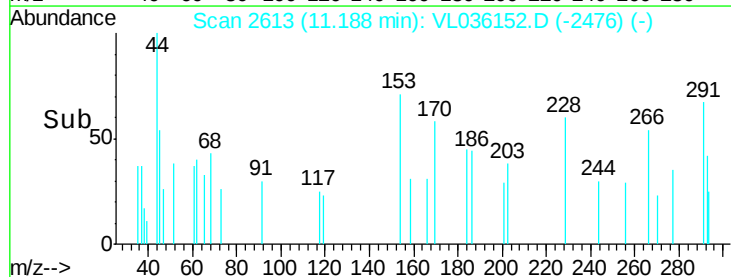
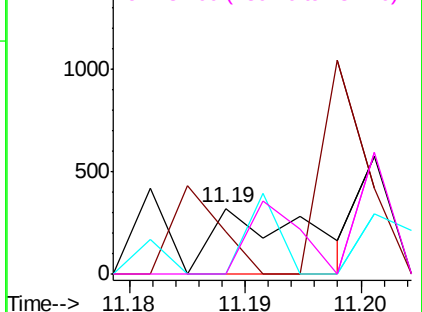


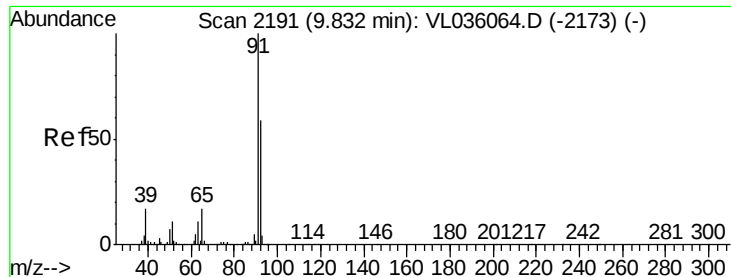
#52  
Tetrachloroethene  
Concen: 0.002 ppbv  
RT: 11.19 min Scan# 2613  
Delta R.T. -0.06 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

Tgt Ion: 164 Resp: 181  
Ion Ratio Lower Upper  
164 100  
166 0.0 101.9 152.9#  
129 0.0 82.1 123.1#  
131 0.0 80.8 121.2#



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 165.90 (165.60 to 166.60): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.001 ppbv

RT: 10.18 min Scan# 2300

Delta R.T. 0.35 min

Lab File: VL036152.D

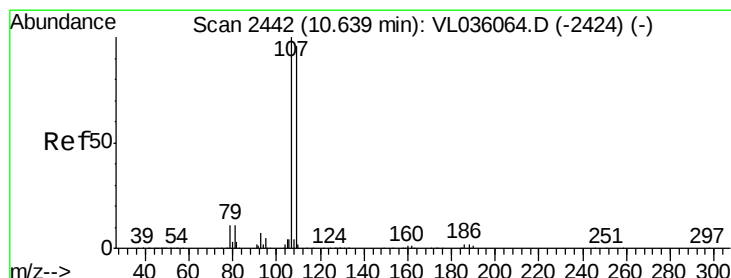
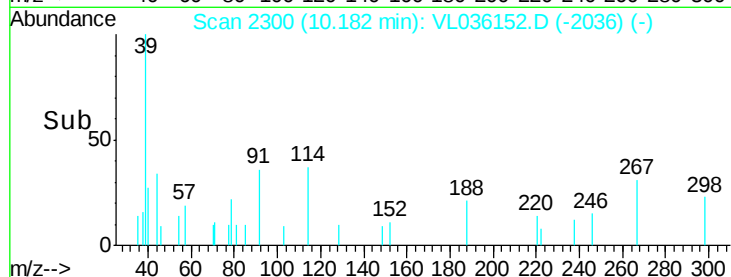
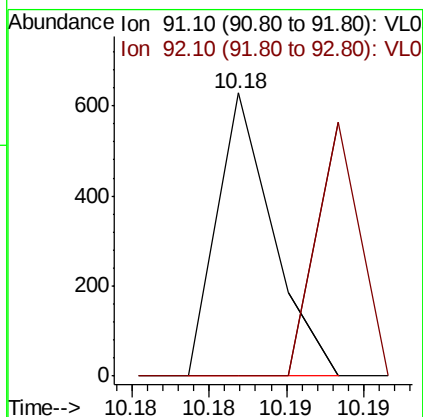
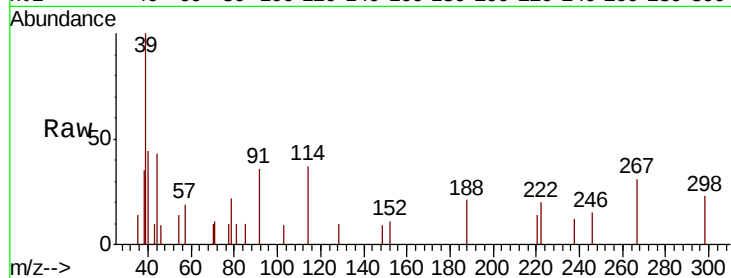
Acq: 11 Dec 2020 6:43

Tot Ion: 91 Resp: 157

Ion Ratio Lower Upper

91 100

92 69.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.05 min

Lab File: VL036152.D

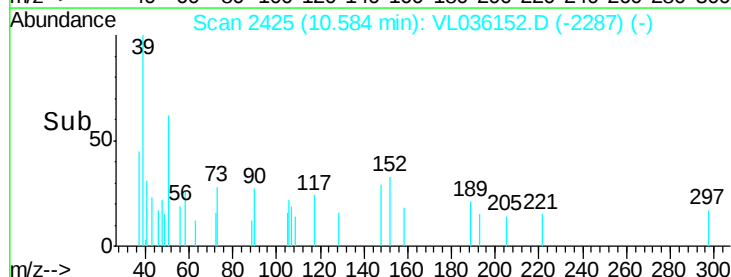
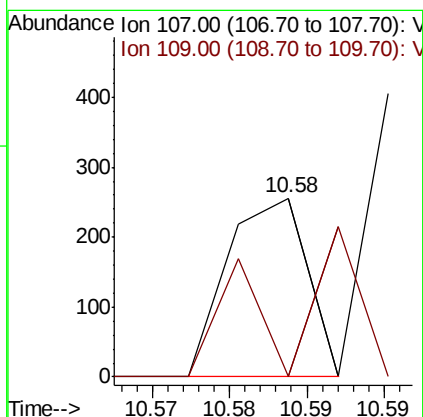
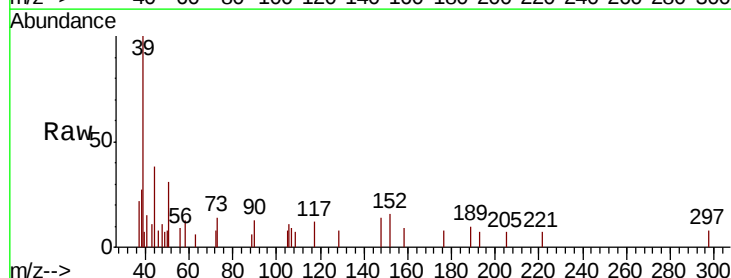
Acq: 11 Dec 2020 6:43

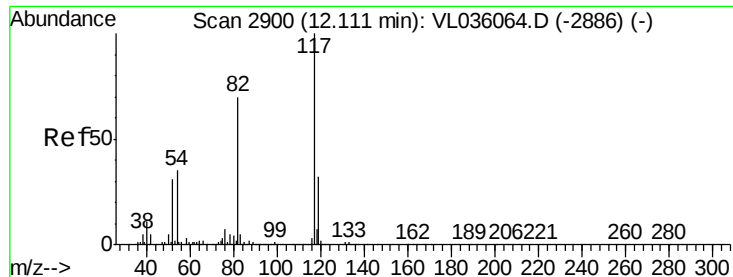
Tgt Ion: 107 Resp: 91

Ion Ratio Lower Upper

107 100

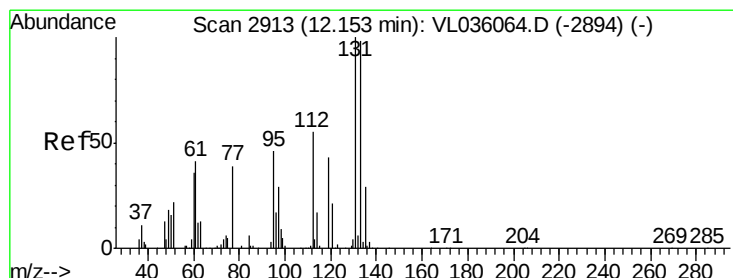
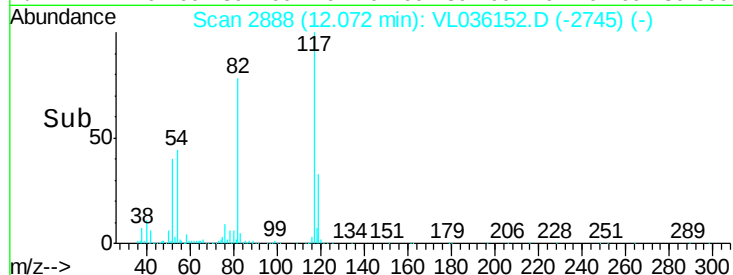
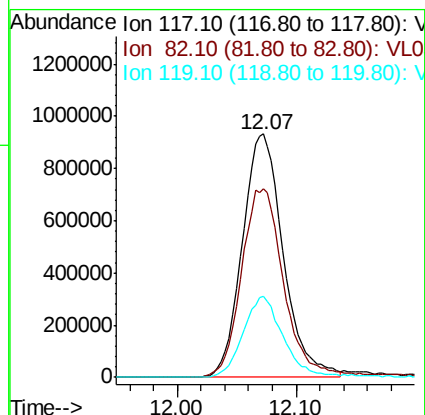
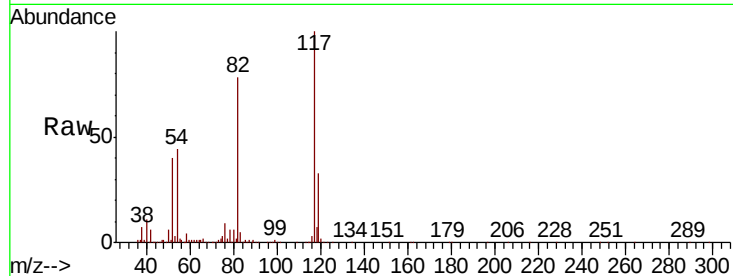
109 0.0 76.6 115.0#





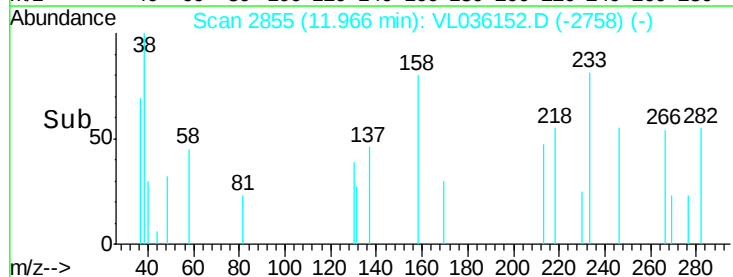
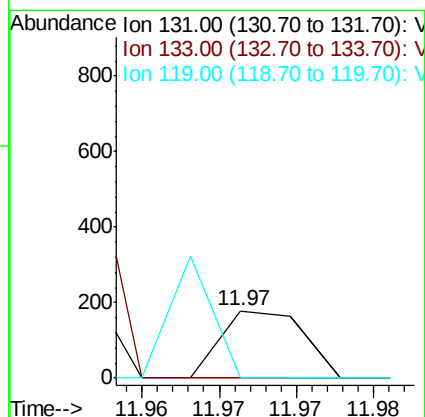
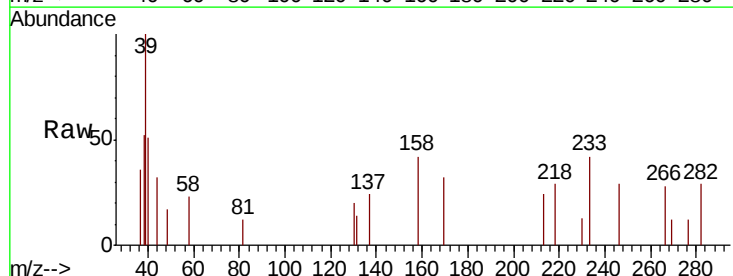
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.07 min Scan# 2888  
Delta R.T. -0.04 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

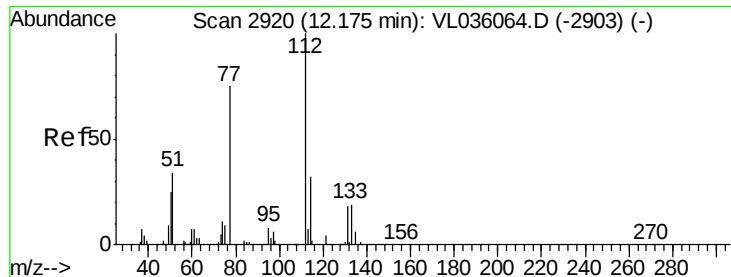
Tot Ion:117 Resp: 2216522  
Ion Ratio Lower Upper  
117 100  
82 81.8 0.0 0.0#  
119 33.5 0.0 0.0#



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.001 ppbv  
RT: 11.97 min Scan# 2855  
Delta R.T. -0.19 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

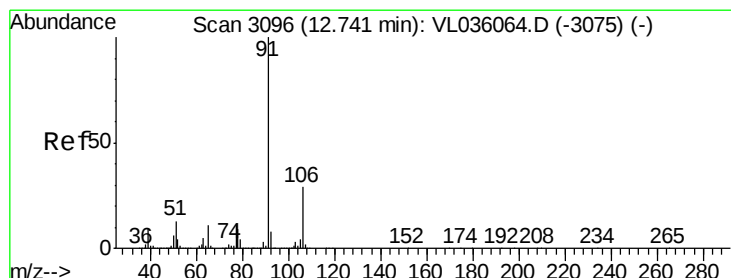
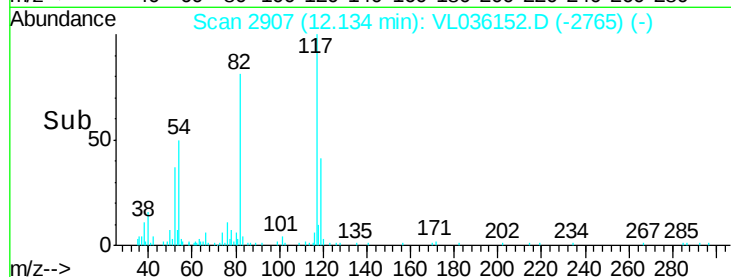
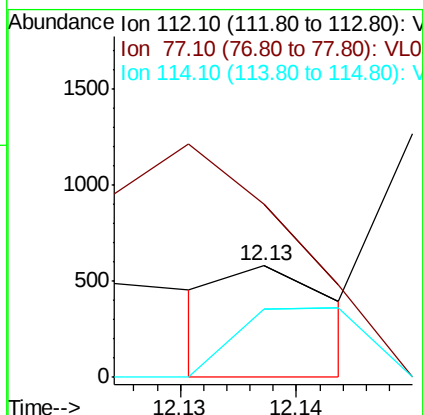
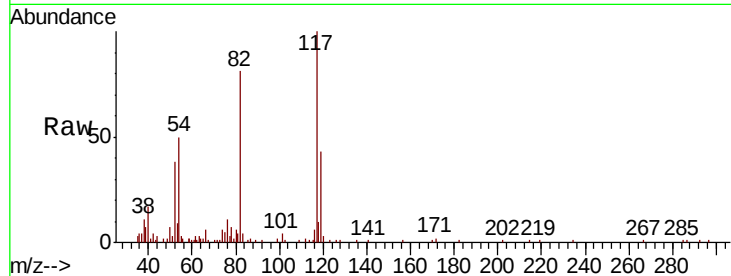
Tgt Ion:131 Resp: 66  
Ion Ratio Lower Upper  
131 100  
133 0.0 77.7 116.5#  
119 1123554.5 51.6 77.4#





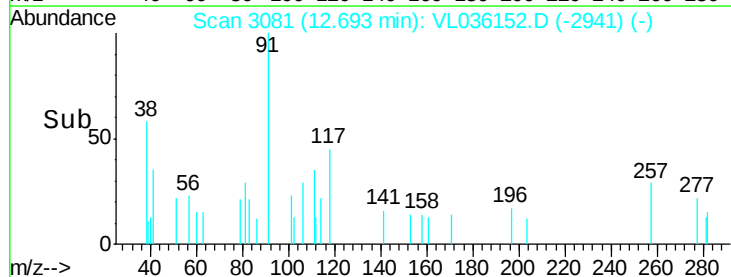
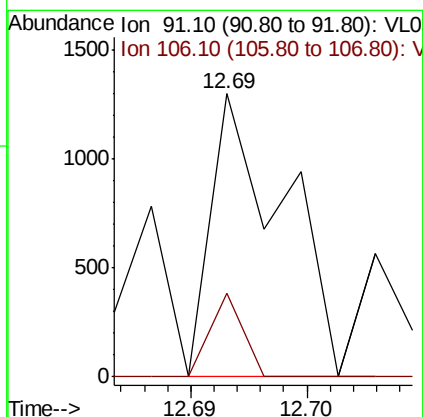
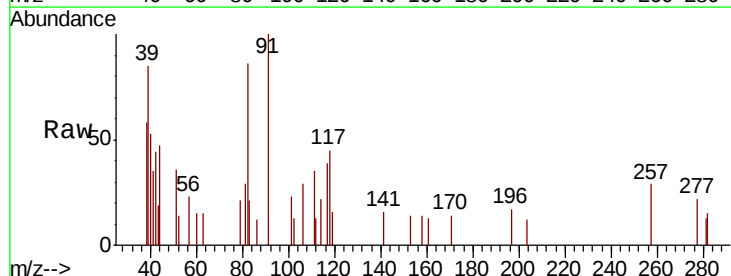
#57  
Chlorobenzene  
Concen: 0.001 ppbv  
RT: 12.13 min Scan# 2907  
Delta R.T. -0.04 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

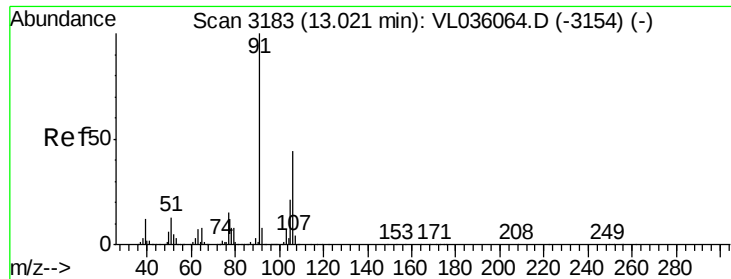
Tot Ion: 112 Resp: 188  
Ion Ratio Lower Upper  
112 100  
77 229.1 60.5 90.7#  
114 194.5 29.2 35.6#



#58  
Ethyl Benzene  
Concen: 0.002 ppbv  
RT: 12.69 min Scan# 3081  
Delta R.T. -0.05 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

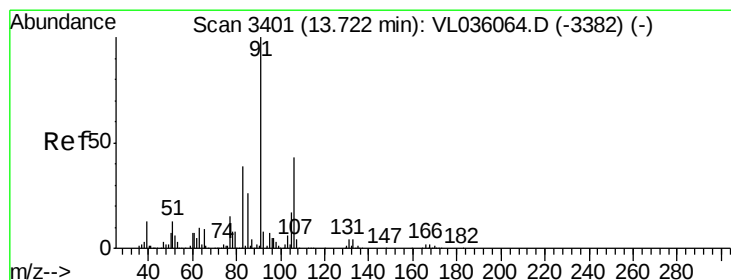
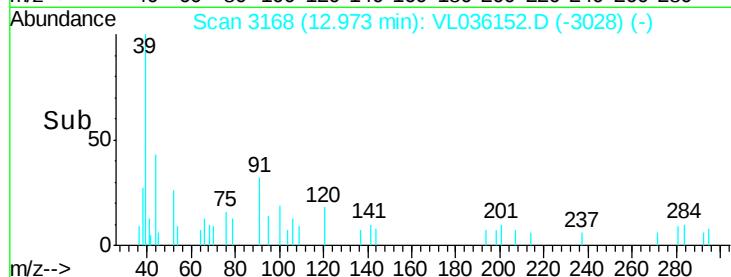
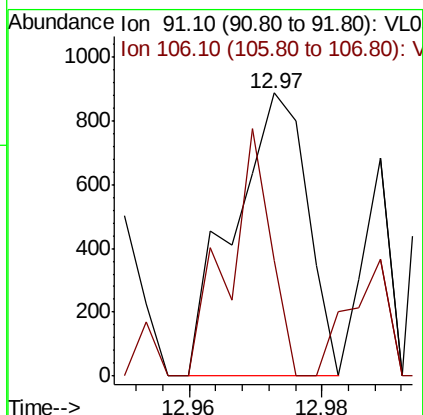
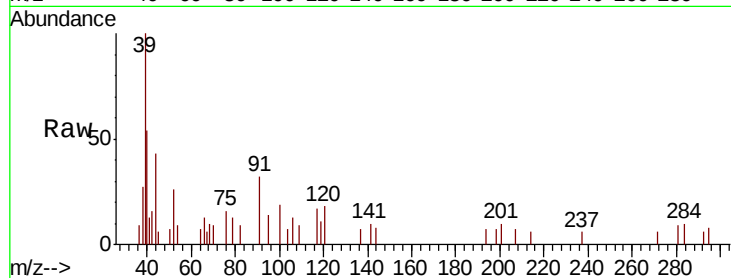
Tgt Ion: 91 Resp: 563  
Ion Ratio Lower Upper  
91 100  
106 29.4 23.0 34.4





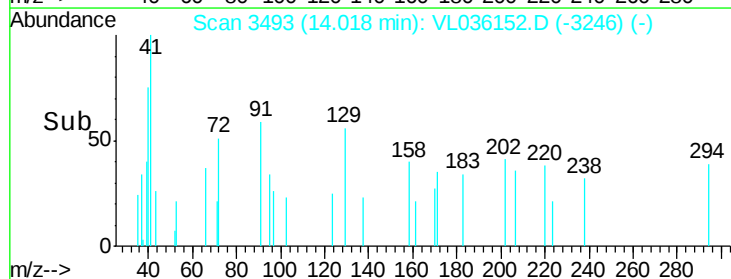
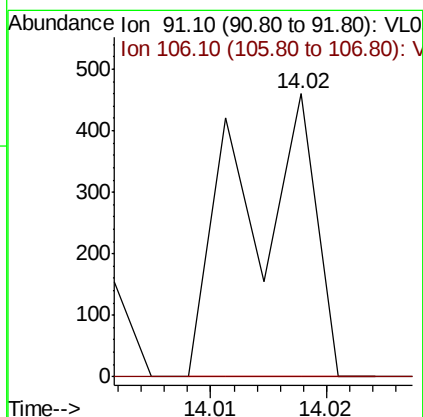
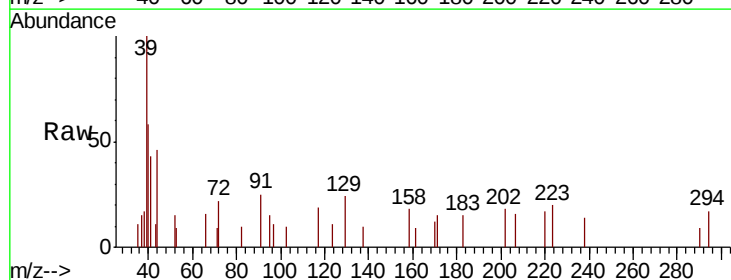
#59  
m/p-Xylene  
Concen: 0.003 ppbv  
RT: 12.97 min Scan# 3168  
Delta R.T. -0.05 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

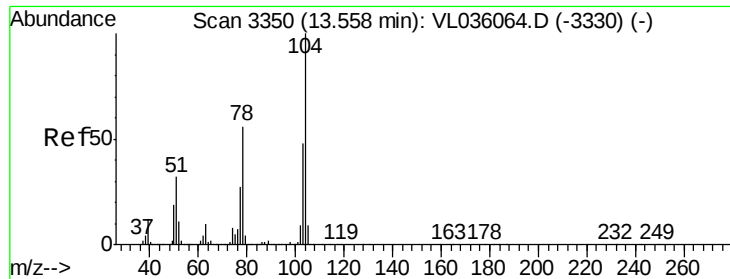
Tot Ion: 91 Resp: 682  
Ion Ratio Lower Upper  
91 100  
106 106.6 33.6 50.4#



#60  
o-Xylene  
Concen: 0.001 ppbv  
RT: 14.02 min Scan# 3493  
Delta R.T. 0.30 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

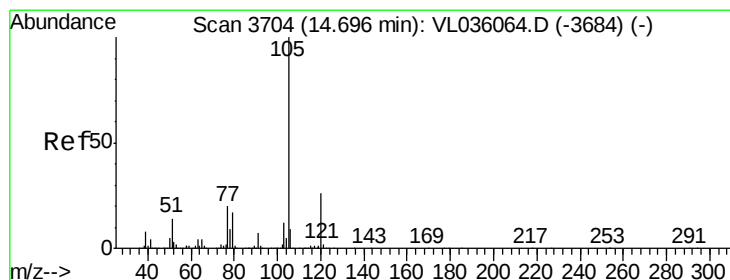
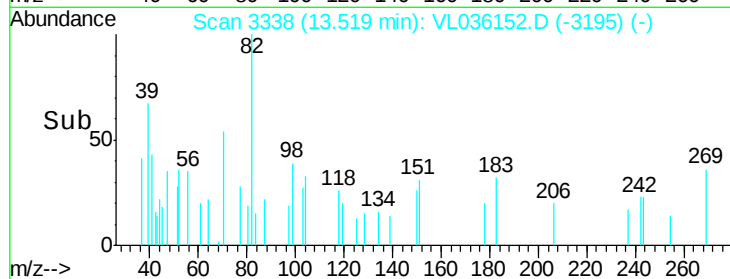
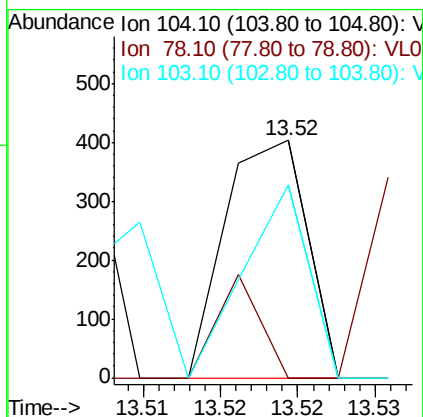
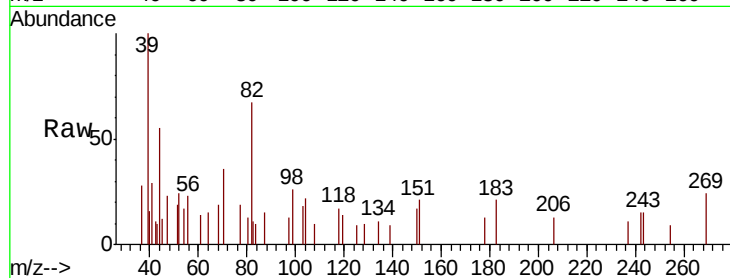
Tgt Ion: 91 Resp: 200  
Ion Ratio Lower Upper  
91 100  
106 38.0 21.6 64.6





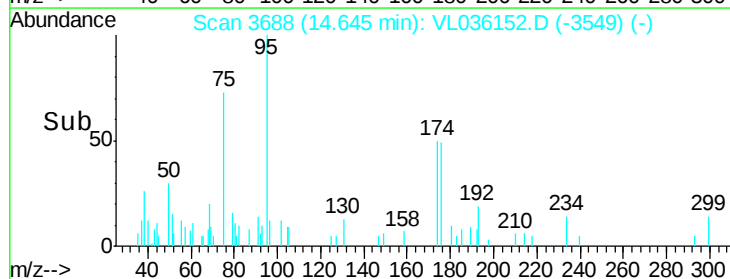
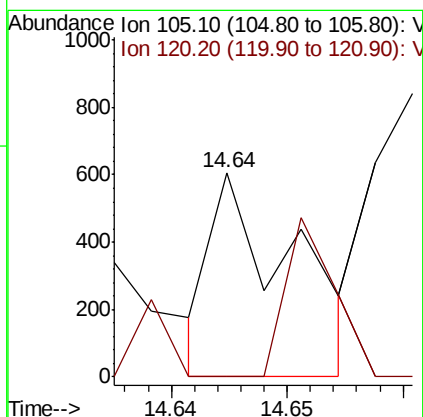
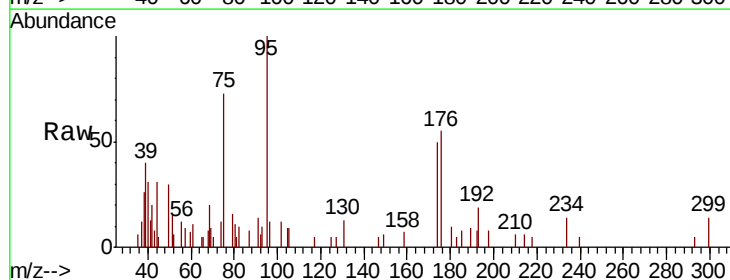
#61  
Stvrene  
Concen: 0.001 ppbv  
RT: 13.52 min Scan# 3338  
Delta R.T. -0.04 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

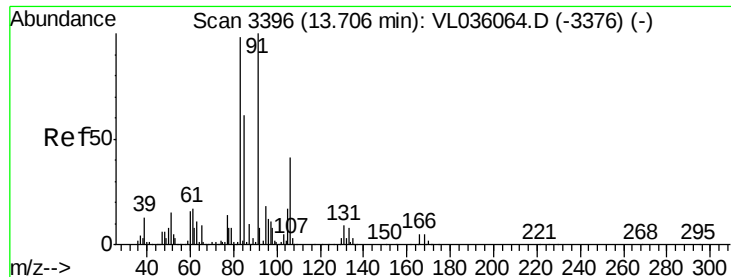
Tot Ion:104 Resp: 148  
Ion Ratio Lower Upper  
104 100  
78 0.0 45.8 68.8#  
103 0.0 38.6 57.8#



#62  
Isopropylbenzene  
Concen: 0.001 ppbv  
RT: 14.64 min Scan# 3688  
Delta R.T. -0.05 min  
Lab File: VL036152.D  
Acq: 11 Dec 2020 6:43

Tgt Ion:105 Resp: 298  
Ion Ratio Lower Upper  
105 100  
120 61.1 20.1 30.1#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.002 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. -0.05 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

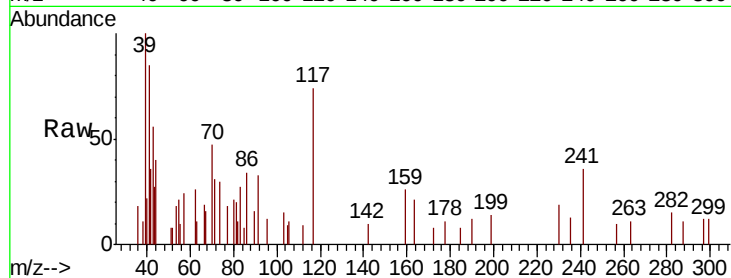
Tot Ion: 83 Resp: 255

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

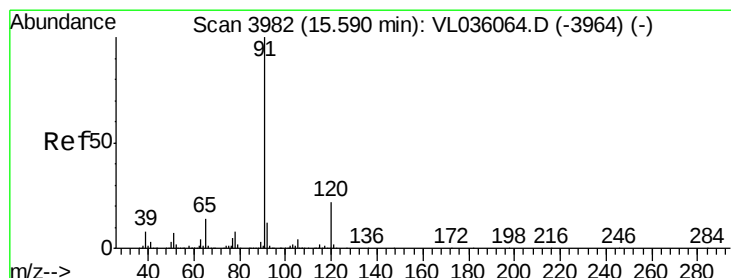
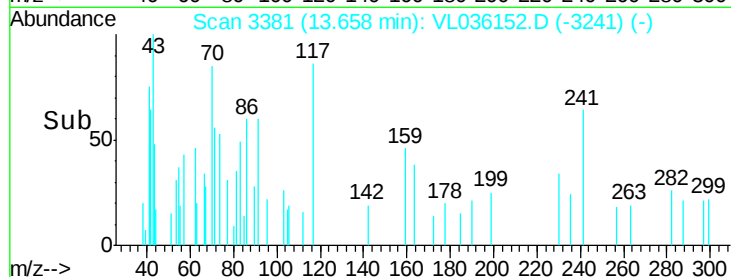
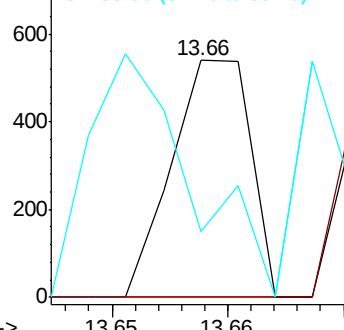
85 132.9 32.5 97.5#



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



#64

n-propylbenzene

Concen: 0.001 ppbv

RT: 15.76 min Scan# 4034

Delta R.T. 0.17 min

Lab File: VL036152.D

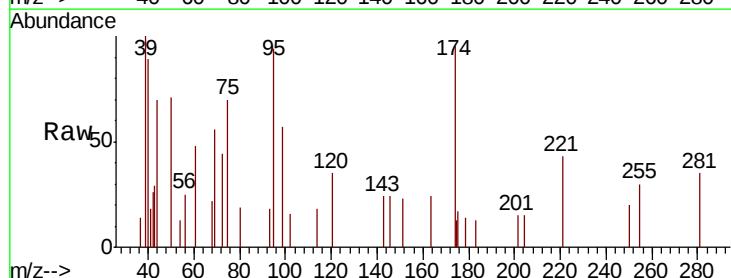
Acq: 11 Dec 2020 6:43

Tgt Ion: 120 Resp: 80

Ion Ratio Lower Upper

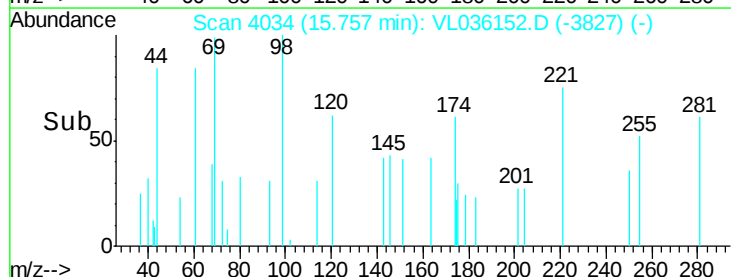
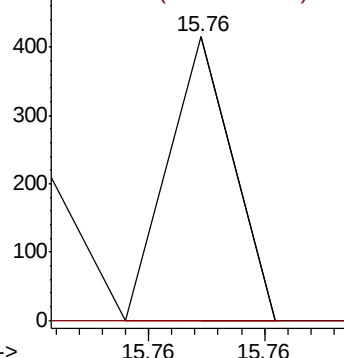
120 100

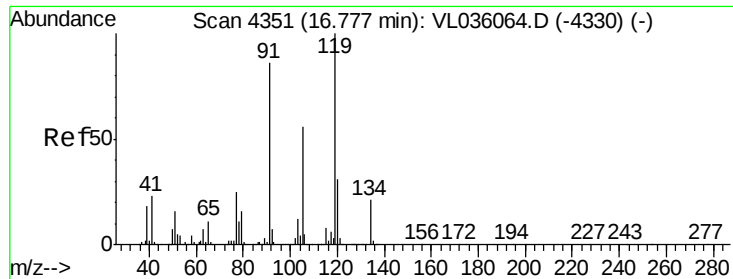
91 461.3 388.9 583.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.002 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

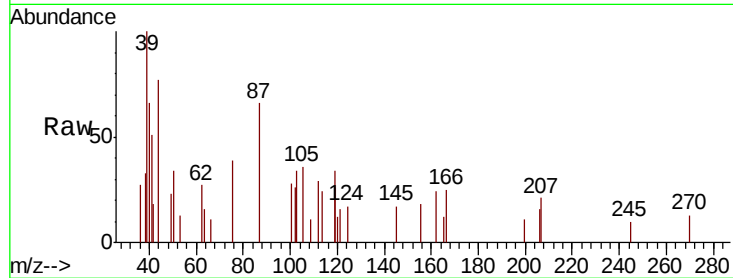
Tot Ion: 119 Resp: 474

Ion Ratio Lower Upper

119 100

91 57.2 70.2 105.2#

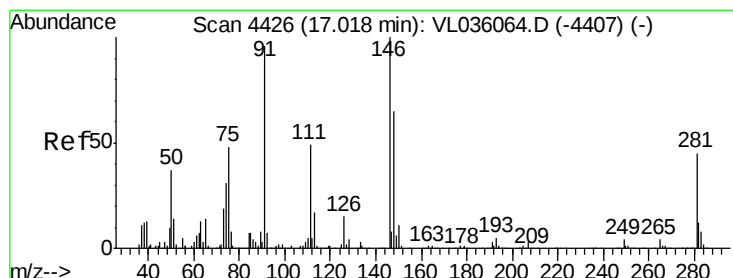
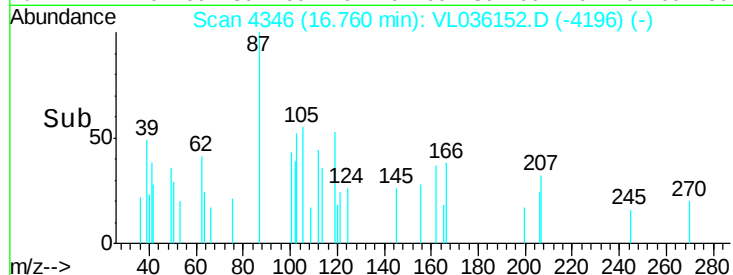
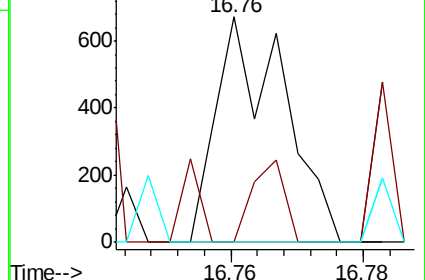
134 0.0 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.005 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.05 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

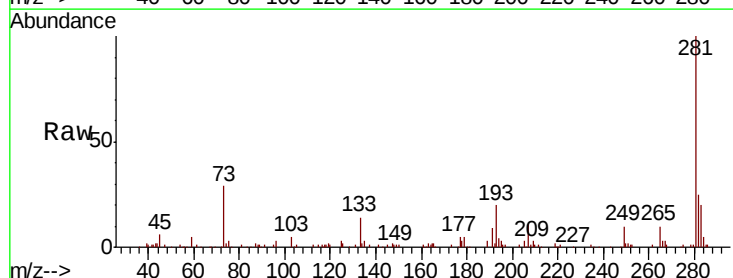
Tgt Ion: 91 Resp: 355

Ion Ratio Lower Upper

91 100

126 262.5 13.5 20.3#

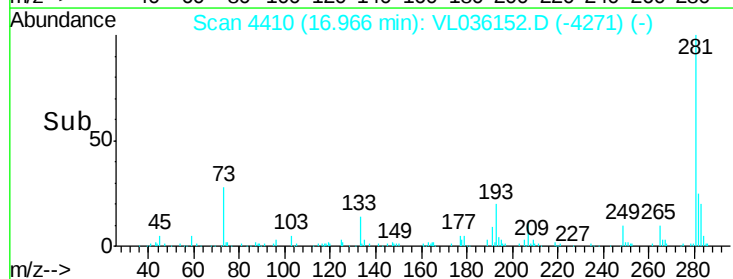
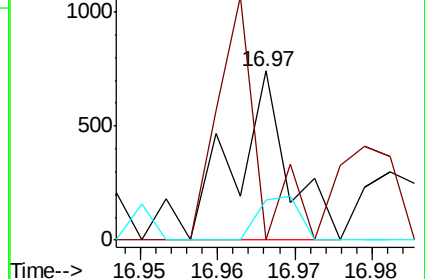
128 28.7 4.4 6.6#

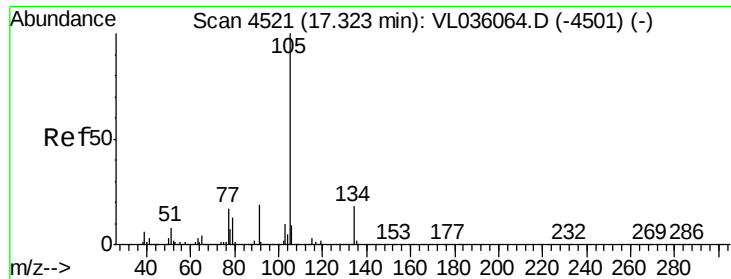


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.001 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.05 min

Lab File: VL036152.D

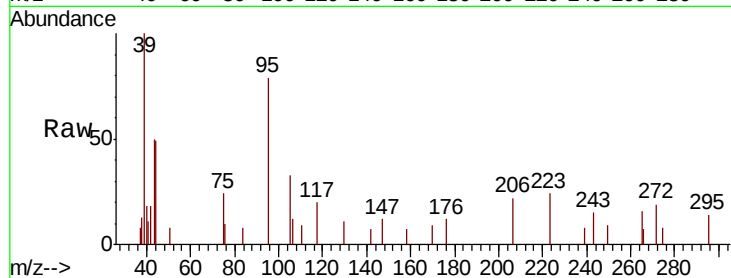
Acq: 11 Dec 2020 6:43

Tot Ion: 105 Resp: 304

Ion Ratio Lower Upper

105 100

134 0.0 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

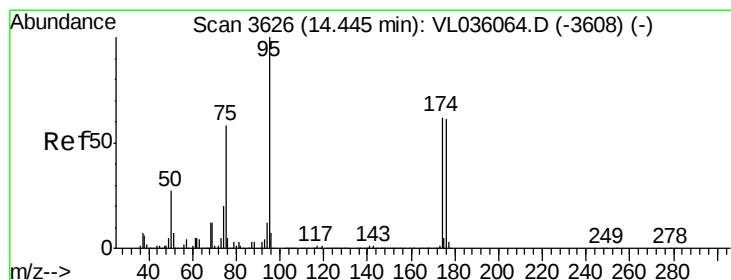
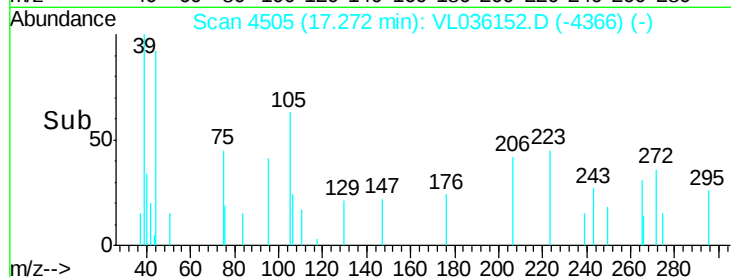
600

400

200

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.558 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

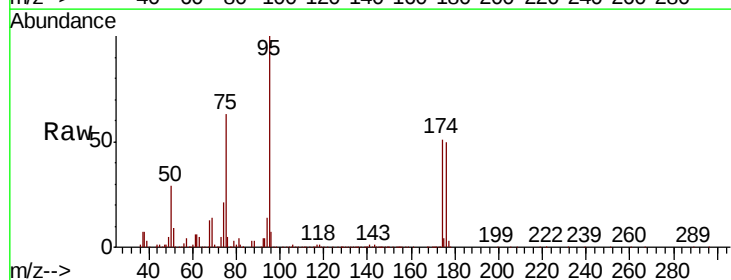
Tgt Ion: 95 Resp: 1858212

Ion Ratio Lower Upper

95 100

174 57.7 50.7 76.1

175 3.9 4.0 6.0#



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

1000000

800000

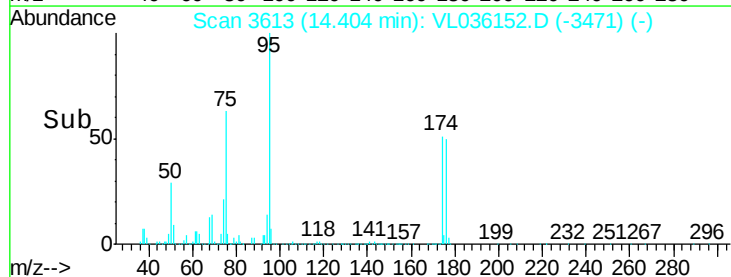
600000

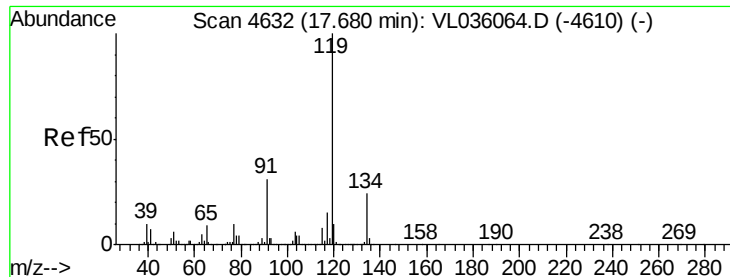
400000

200000

0

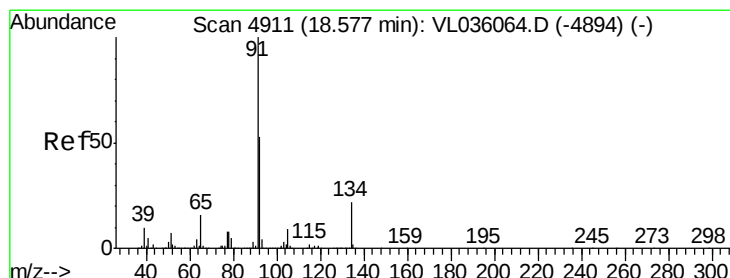
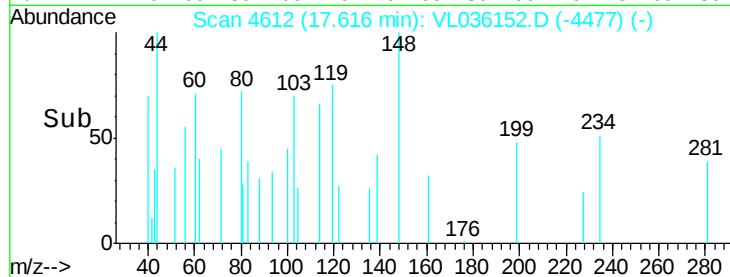
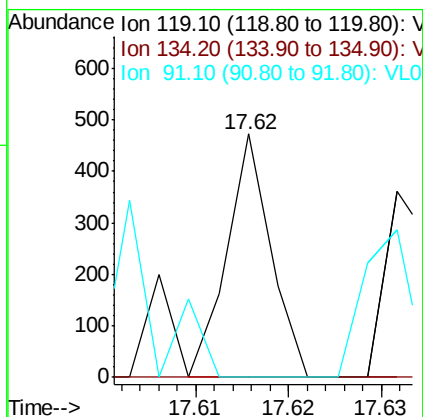
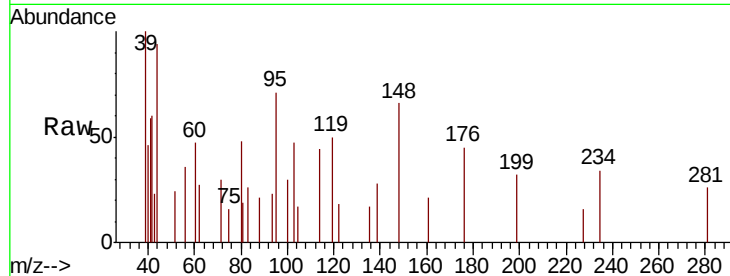
Time-->





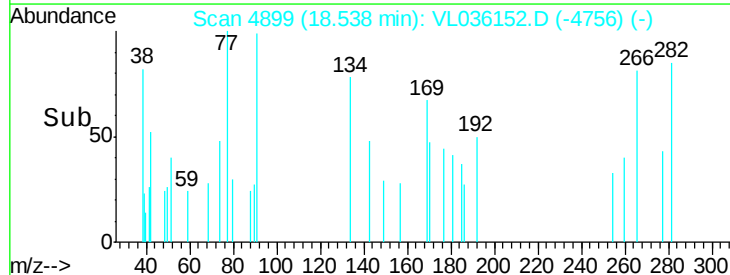
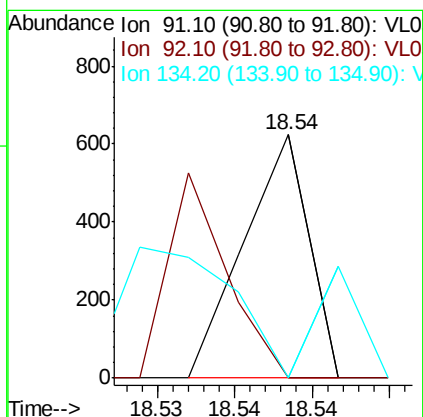
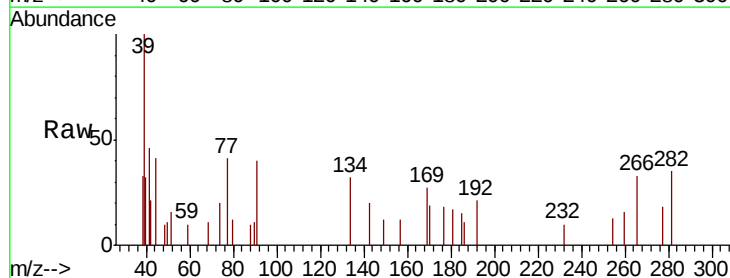
#69  
 p-Isopropyltoluene  
 Concen: 0.000 ppbv  
 RT: 17.62 min Scan# 4612  
 Delta R.T. -0.06 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

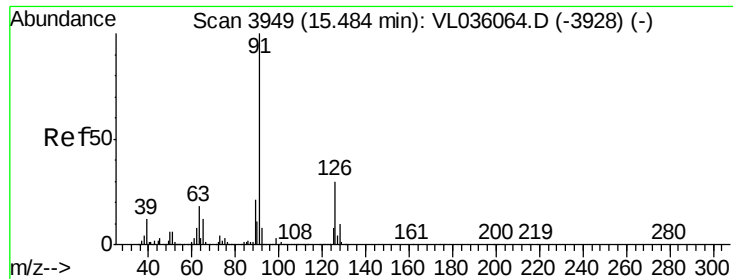
Tot Ion: 119 Resp: 157  
 Ion Ratio Lower Upper  
 119 100  
 134 0.0 19.8 29.6#  
 91 0.0 25.8 38.6#



#70  
 n-Butylbenzene  
 Concen: 0.001 ppbv  
 RT: 18.54 min Scan# 4899  
 Delta R.T. -0.04 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

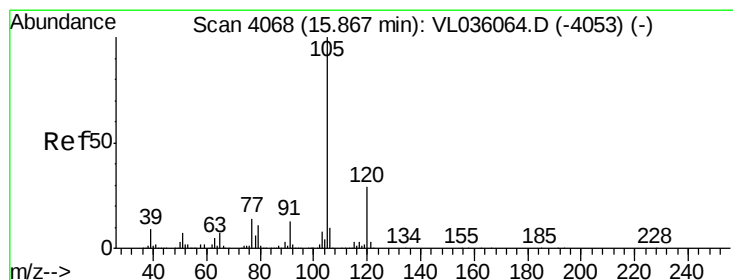
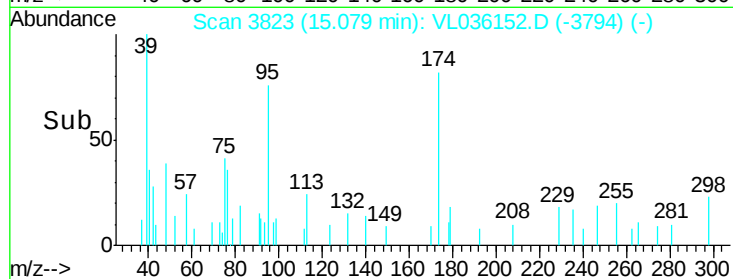
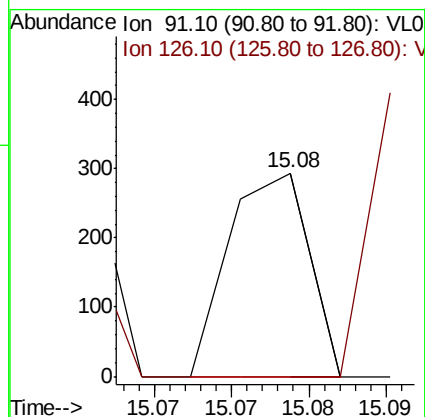
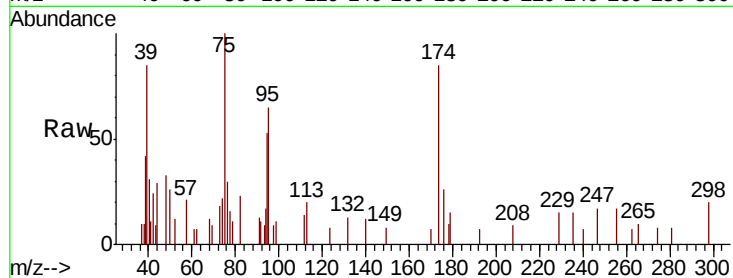
Tgt Ion: 91 Resp: 181  
 Ion Ratio Lower Upper  
 91 100  
 92 0.0 43.3 64.9#  
 134 144.8 17.1 25.7#





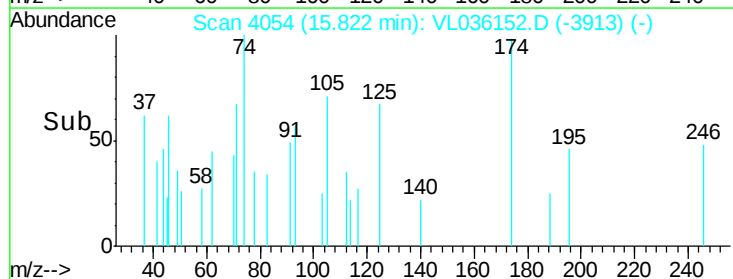
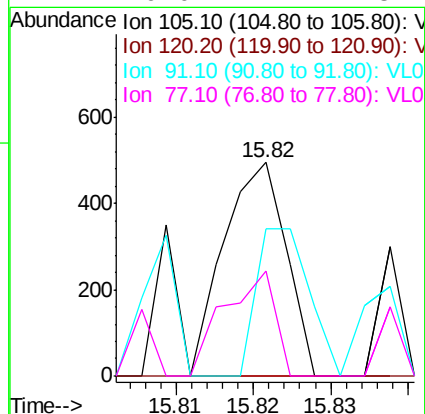
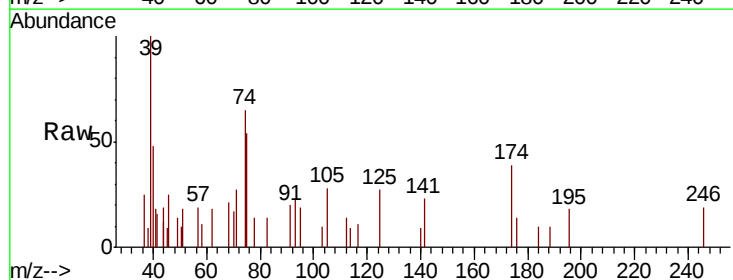
#71  
 2-Chlorotoluene  
 Concen: 0.000 ppbv  
 RT: 15.08 min Scan# 3823  
 Delta R.T. -0.41 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

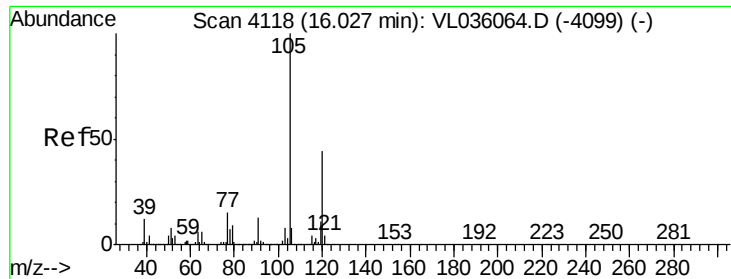
Tot Ion: 91 Resp: 106  
 Ion Ratio Lower Upper  
 91 100  
 126 30.2 11.6 46.4



#72  
 4-Ethyltoluene  
 Concen: 0.001 ppbv  
 RT: 15.82 min Scan# 4054  
 Delta R.T. -0.05 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

Tgt Ion:105 Resp: 277  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 23.6 35.4#  
 91 133.2 11.4 17.0#  
 77 0.0 12.1 18.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.001 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. -0.05 min

Lab File: VL036152.D

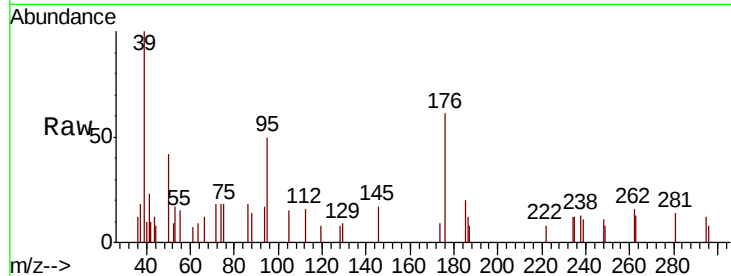
Acq: 11 Dec 2020 6:43

Tot Ion:105 Resp: 204

Ion Ratio Lower Upper

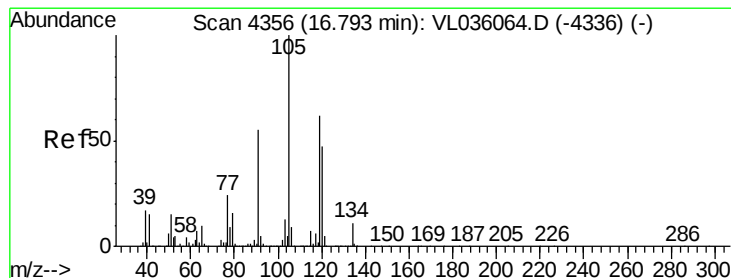
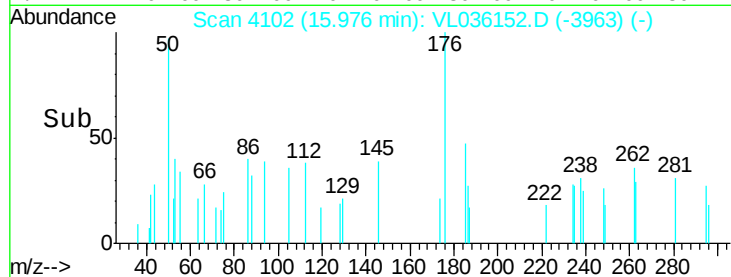
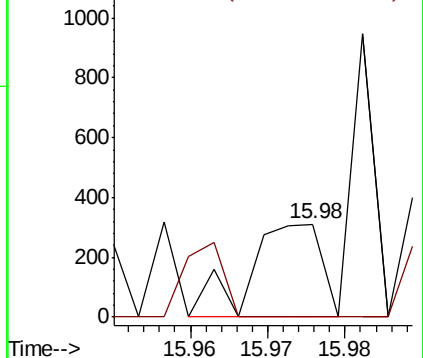
105 100

120 0.0 35.4 53.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.002 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tgt Ion:105 Resp: 440

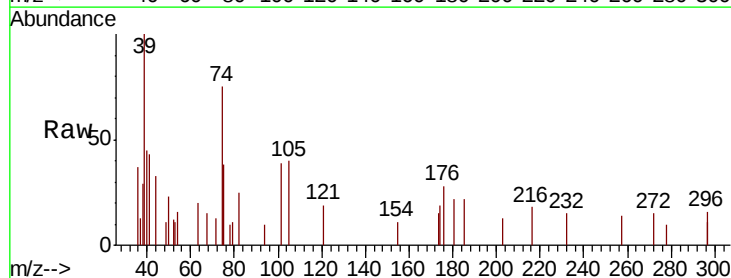
Ion Ratio Lower Upper

105 100

120 0.0 37.4 56.0#

91 0.0 45.6 68.4#

77 0.0 19.4 29.2#

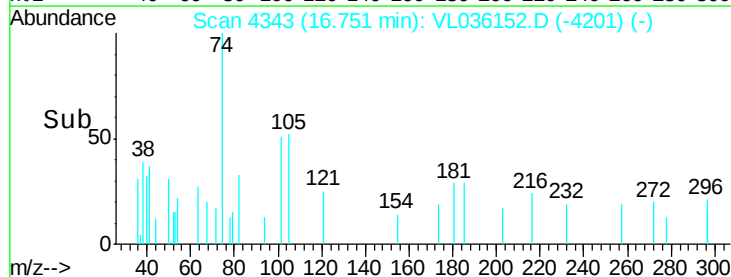
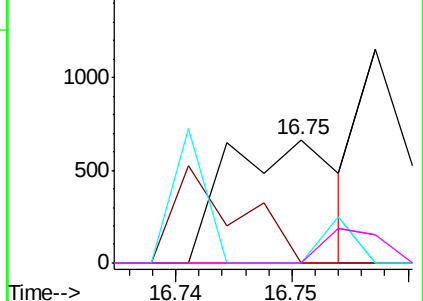


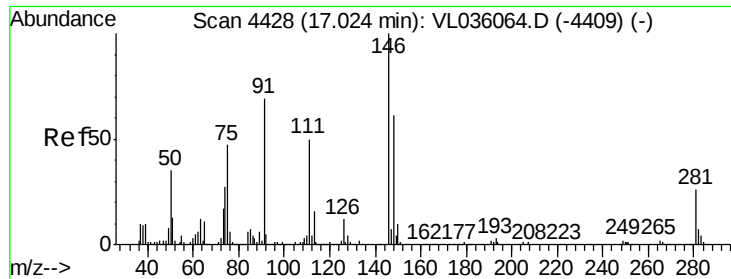
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.001 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.05 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

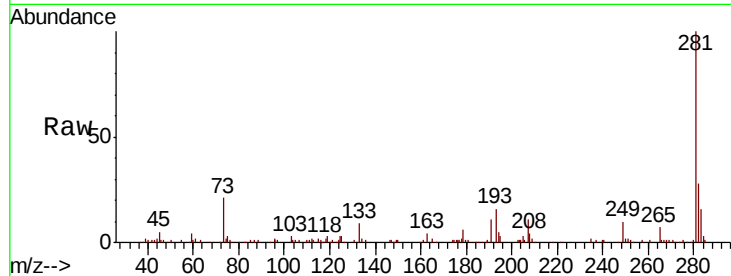
Tot Ion:146 Resp: 132

Ion Ratio Lower Upper

146 100

111 0.0 25.1 75.3#

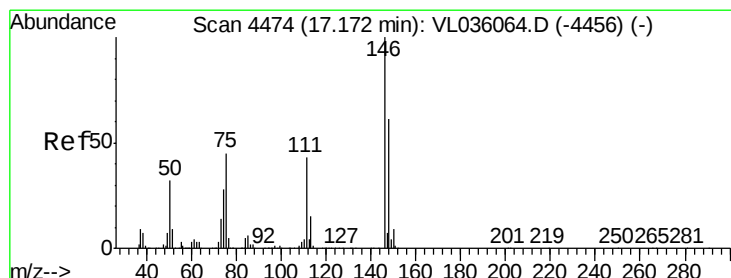
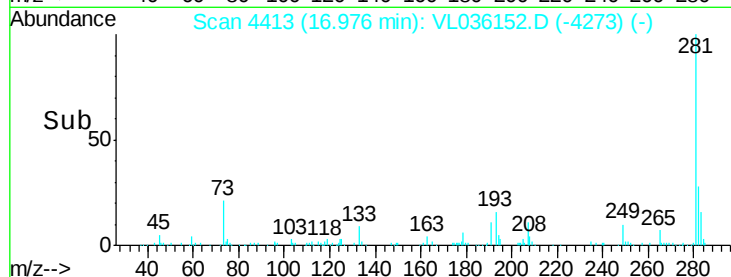
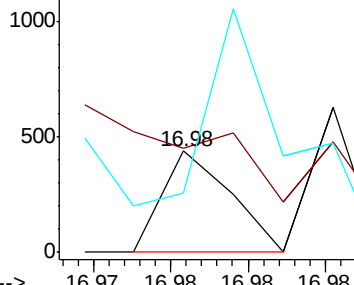
148 0.0 32.9 98.6#



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: 0.001 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.06 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

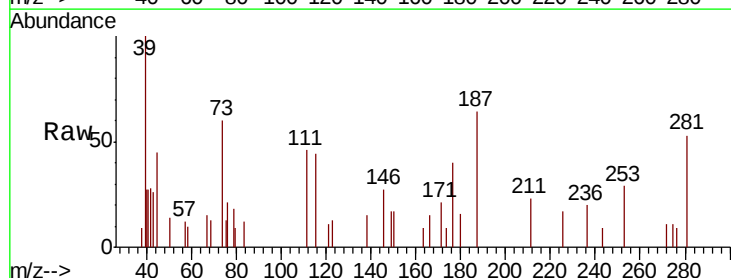
Tgt Ion:146 Resp: 135

Ion Ratio Lower Upper

146 100

111 267.4 24.3 72.8#

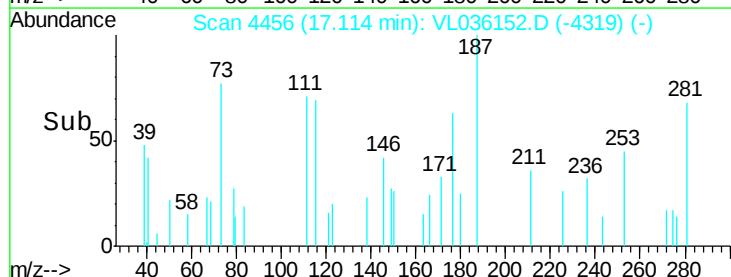
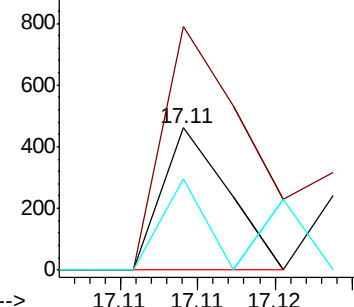
148 0.0 32.8 98.3#

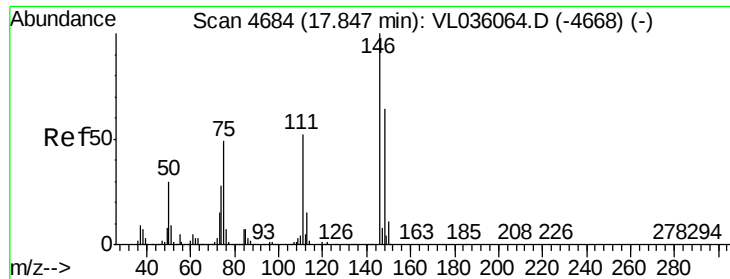


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

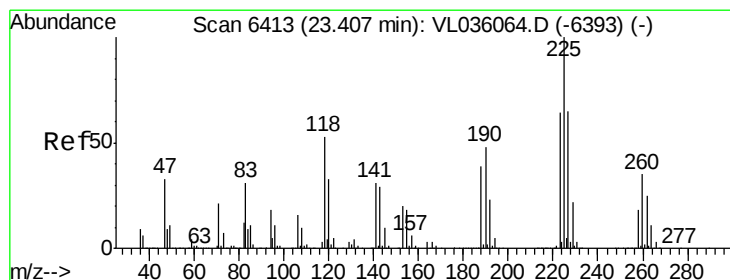
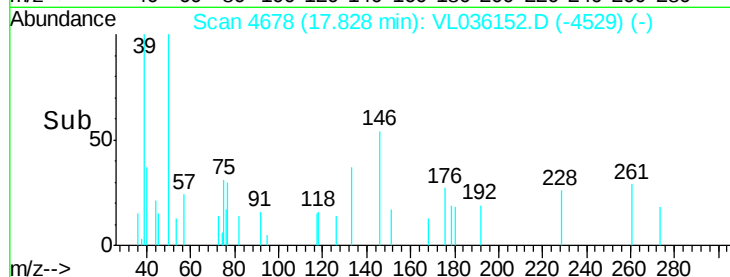
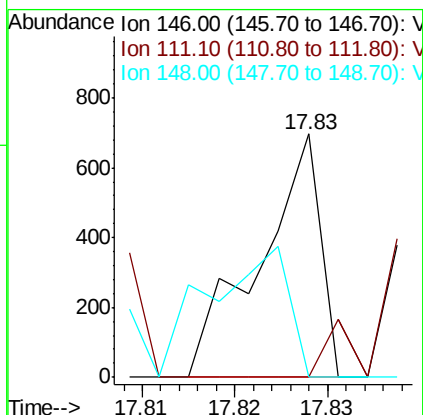
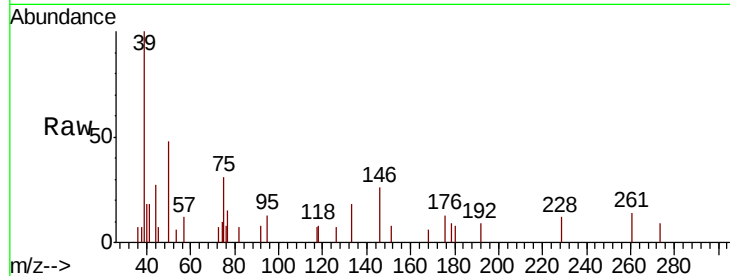
Ion 148.00 (147.70 to 148.70): V





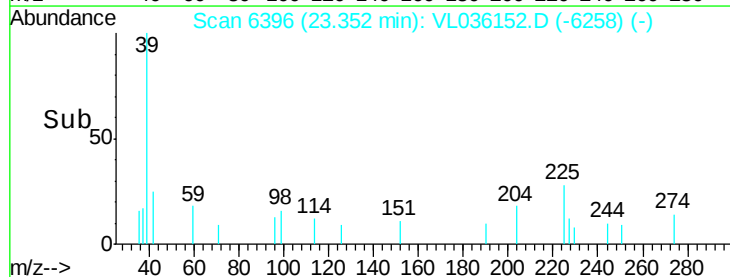
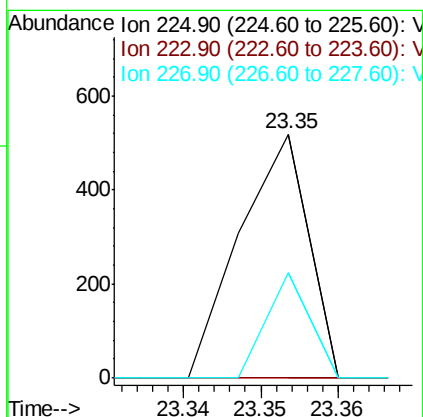
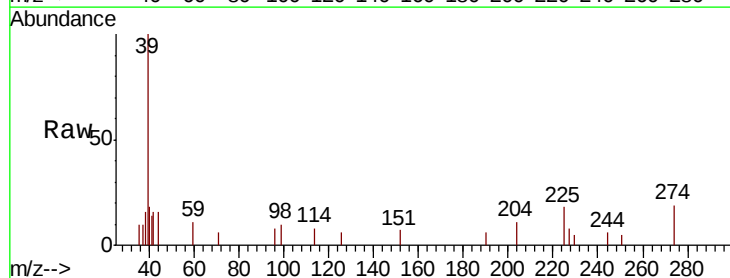
#77  
 1,2-Dichlorobenzene  
 Concen: 0.003 ppbv  
 RT: 17.83 min Scan# 4678  
 Delta R.T. -0.02 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

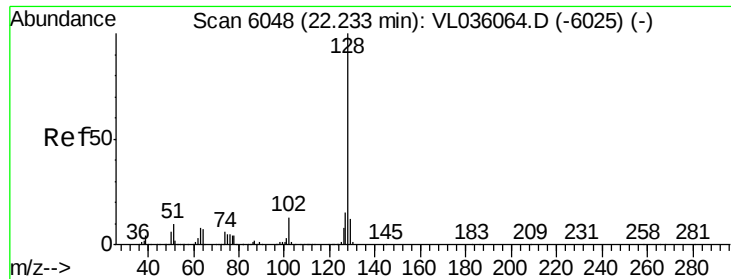
Tot Ion:146 Resp: 317  
 Ion Ratio Lower Upper  
 146 100  
 111 46.7 26.1 78.2  
 148 82.3 33.1 99.5



#78  
 Hexachloro-1,3-Butadiene  
 Concen: 0.002 ppbv  
 RT: 23.35 min Scan# 6396  
 Delta R.T. -0.05 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

Tgt Ion:225 Resp: 159  
 Ion Ratio Lower Upper  
 225 100  
 223 122.6 51.1 76.7#  
 227 0.0 51.7 77.5#





#79

Naphthalene

Concen: 0.001 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

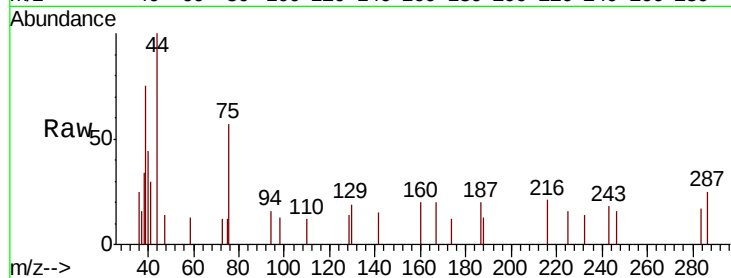
Tot Ion:128 Resp: 70

Ion Ratio Lower Upper

128 100

127 0.0 11.7 17.5#

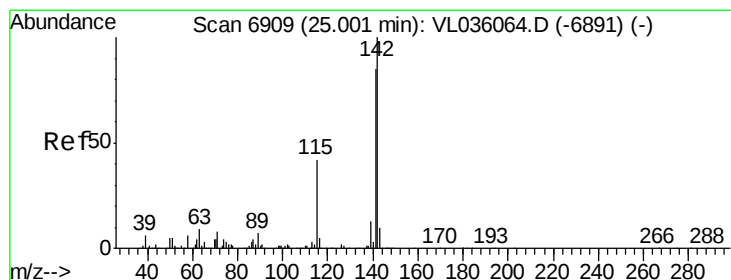
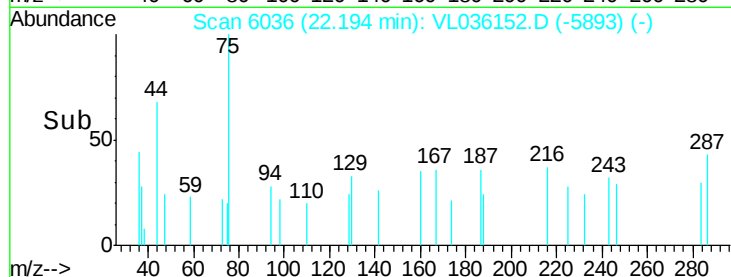
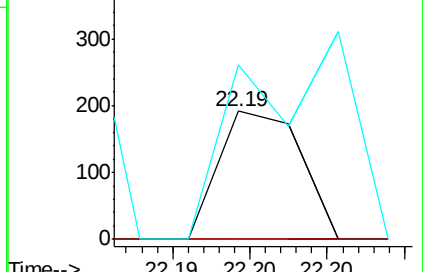
129 136.5 9.3 13.9#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.003 ppbv

RT: 24.94 min Scan# 6891

Delta R.T. -0.06 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

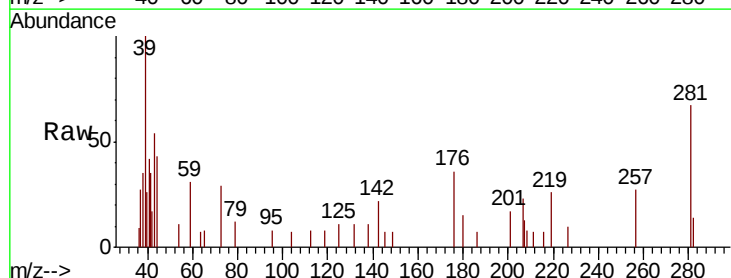
Tgt Ion:142 Resp: 99

Ion Ratio Lower Upper

142 100

141 0.0 64.3 96.5#

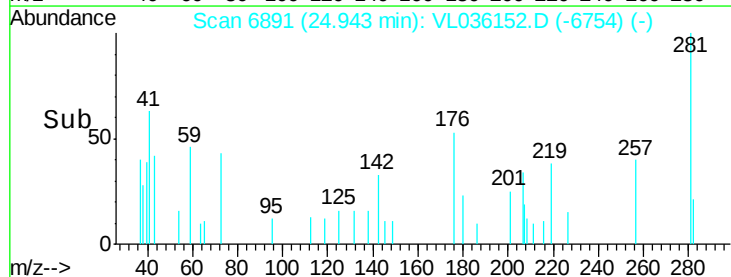
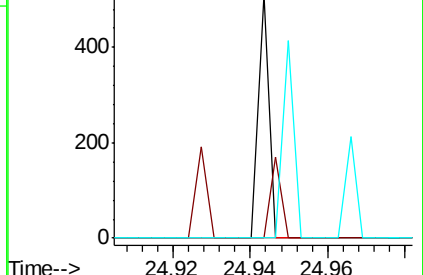
115 0.0 33.9 50.9#

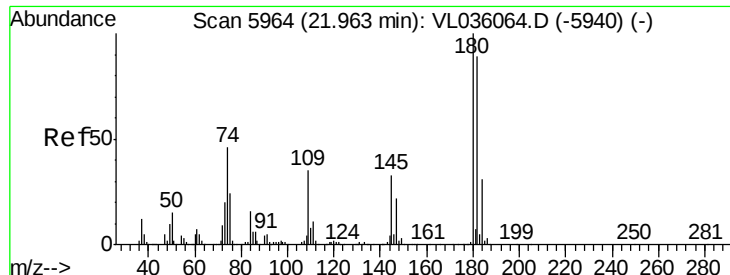


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

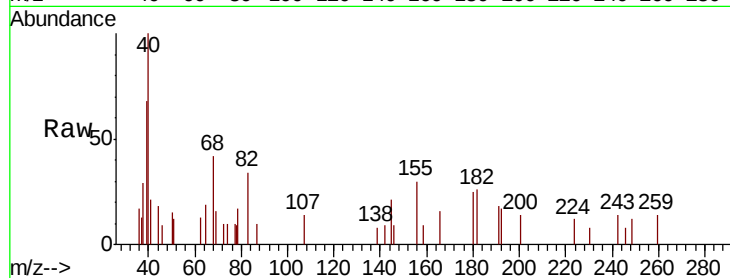
Ion 115.00 (114.70 to 115.70): V





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.003 ppbv  
 RT: 21.93 min Scan# 5954  
 Delta R.T. -0.03 min  
 Lab File: VL036152.D  
 Acq: 11 Dec 2020 6:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 180   | Resp: | 283   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 147.3 | 0.0   | 0.0#  |
| 184      | 46.3  | 0.0   | 0.0#  |



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

