

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110921\  
 Data File : VL037980.D  
 Acq On : 9 Nov 2021 14:31  
 Operator : SY/AP  
 Sample : VL1108ABS01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Nov 10 04:47:24 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Nov 02 05:54:07 2021  
 QLast Update : Tue Nov 02 05:54:07 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1559025  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 4654245  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 4974558  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2914492  | 8.06     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 80.60% |

| Target Compounds               |      |     |         |              | Ovalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 3.05 | 85  | 2192027 | 9.979 ppbv   | 97     |
| 3) Chlorodifluoromethane       | 2.99 | 51  | 2647252 | 9.121 ppbv   | 99     |
| 4) Chloromethane               | 3.14 | 50  | 1012171 | 9.177 ppbv   | 99     |
| 5) Vinyl Chloride              | 3.26 | 62  | 1007368 | 9.476 ppbv   | 96     |
| 6) Bromomethane                | 3.48 | 94  | 558268  | 9.721 ppbv   | 96     |
| 7) Chloroethane                | 3.56 | 64  | 347566  | 9.057 ppbv   | 99     |
| 8) Dichlorotetrafluoroethane   | 3.19 | 85  | 2296015 | 9.074 ppbv   | 99     |
| 9) Propene                     | 3.02 | 41  | 995719  | 9.569 ppbv   | 95     |
| 10) Heptane                    | 8.12 | 43  | 2439746 | 10.078 ppbv  | 100    |
| 11) Trichlorofluoromethane     | 3.95 | 101 | 2036465 | 9.311 ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 1569933 | 9.208 ppbv   | 99     |
| 13) Ethanol                    | 3.61 | 45  | 55407   | 5.278 ppbv # | 56     |
| 14) Bromoethene                | 3.74 | 108 | 714670  | 9.582 ppbv   | 98     |
| 15) Acetone                    | 3.85 | 43  | 1156571 | 8.978 ppbv   | 98     |
| 16) 1,3-Butadiene              | 3.33 | 39  | 968576  | 9.542 ppbv   | 99     |
| 17) tert-Butyl alcohol         | 4.29 | 59  | 1446204 | 10.797 ppbv  | 98     |
| 18) 1,1-Dichloroethene         | 4.29 | 96  | 728585  | 9.285 ppbv   | 96     |
| 19) Isopropyl Alcohol          | 3.97 | 45  | 467607  | 5.676 ppbv   | 100    |
| 20) Methylene Chloride         | 4.34 | 84  | 591886  | 8.369 ppbv   | 95     |
| 21) Allyl Chloride             | 4.41 | 41  | 1191738 | 10.026 ppbv  | 98     |
| 22) trans-1,2-Dichloroethene   | 4.89 | 96  | 745913  | 9.566 ppbv   | 91     |
| 23) Vinyl Acetate              | 5.07 | 43  | 1786832 | 9.212 ppbv   | 98     |
| 24) 1,1-Dichloroethane         | 5.01 | 63  | 1499796 | 9.359 ppbv   | 99     |
| 25) Ethyl Acetate              | 5.68 | 43  | 3764579 | 9.838 ppbv   | 100    |
| 26) Hexane                     | 5.69 | 57  | 1748594 | 9.645 ppbv   | 98     |
| 27) Carbon Disulfide           | 4.55 | 76  | 1872190 | 10.461 ppbv  | 99     |
| 28) Methyl tert-Butyl Ether    | 5.03 | 73  | 1509013 | 9.901 ppbv   | 100    |
| 29) Chloroform                 | 5.75 | 83  | 2499684 | 9.246 ppbv   | 96     |
| 30) Cyclohexane                | 7.13 | 84  | 1498612 | 9.670 ppbv   | 99     |
| 31) cis-1,2-Dichloroethene     | 5.55 | 61  | 1669151 | 10.091 ppbv  | 98     |
| 32) 1,1,1-Trichloroethane      | 6.51 | 97  | 2370434 | 8.920 ppbv   | 99     |
| 34) 2-Butanone                 | 5.24 | 43  | 1550208 | 8.989 ppbv   | 97     |
| 35) Carbon Tetrachloride       | 7.02 | 117 | 2501991 | 8.892 ppbv   | 98     |
| 36) Benzene                    | 6.89 | 78  | 3700933 | 9.764 ppbv   | 98     |
| 37) 1,2-Dichloroethane         | 6.30 | 62  | 1753321 | 9.730 ppbv   | 100    |
| 38) Trichloroethene            | 7.83 | 130 | 1420448 | 9.029 ppbv   | 98     |
| 39) 1,2-Dichloropropane        | 7.61 | 63  | 1407151 | 9.867 ppbv   | 91     |
| 40) 1,4-Dioxane                | 7.83 | 88  | 120579  | 3.210 ppbv # | 1      |
| 41) Tetrahydrofuran            | 6.05 | 42  | 891202  | 10.561 ppbv  | 98     |
| 42) Bromodichloromethane       | 7.79 | 83  | 2613379 | 9.592 ppbv   | 99     |
| 43) Methyl Methacrylate        | 8.01 | 69  | 1315596 | 10.575 ppbv  | 98     |

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 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

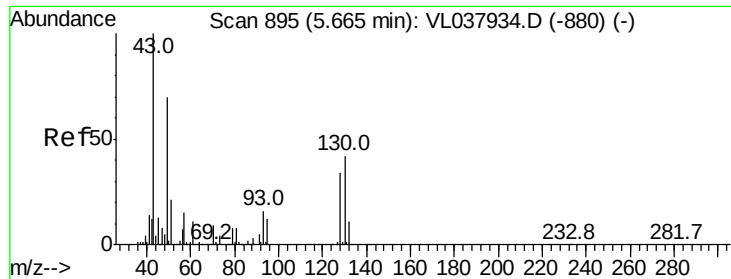
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Nov 10 04:47:24 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Nov 02 05:54:07 2021  
 QLast Update : Tue Nov 02 05:54:07 2021  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.87  | 57   | 6160579  | 9.556  | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 9.28  | 75   | 1051548  | 11.503 | ppbv   | 98       |
| 46) cis-1,3-Dichloropropene   | 8.70  | 75   | 1415237  | 11.260 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 9.47  | 97   | 1453977  | 9.074  | ppbv   | 99       |
| 48) Dibromochloromethane      | 10.30 | 129  | 2262278  | 9.972  | ppbv   | 99       |
| 49) Bromoform                 | 13.03 | 173  | 1770917  | 9.875  | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.74  | 43   | 2310402  | 10.196 | ppbv   | 99       |
| 51) 2-Hexanone                | 10.13 | 43   | 999169   | 10.462 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.22 | 164  | 1298306  | 9.030  | ppbv   | 98       |
| 53) Toluene                   | 9.80  | 91   | 4195640  | 10.325 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.61 | 107  | 2063874  | 9.987  | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 12.12 | 131  | 1560535  | 7.770  | ppbv   | 96       |
| 57) Chlorobenzene             | 12.14 | 112  | 2988798  | 7.527  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.71 | 91   | 5217225  | 8.576  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.99 | 91   | 5235431  | 9.683  | ppbv # | 53       |
| 60) o-Xylene                  | 13.68 | 91   | 4023172  | 7.892  | ppbv   | 100      |
| 61) Styrene                   | 13.52 | 104  | 2224842  | 9.503  | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.66 | 105  | 5516865  | 7.643  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.67 | 83   | 2807609  | 6.399  | ppbv   | 98       |
| 64) n-propylbenzene           | 15.56 | 120  | 1436244  | 7.765  | ppbv   | 94       |
| 65) tert-Butylbenzene         | 16.74 | 119  | 4769292  | 7.476  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.98 | 91   | 263329   | 7.900  | ppbv   | 97       |
| 67) sec-Butylbenzene          | 17.29 | 105  | 6614348  | 7.526  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.64 | 119  | 5466946  | 7.755  | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.54 | 91   | 5290080  | 8.166  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.45 | 91   | 3927085  | 7.765  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.83 | 105  | 4649572  | 7.961  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.99 | 105  | 4247203  | 7.766  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.76 | 105  | 4295459  | 7.497  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.99 | 146  | 2580773  | 7.234  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.13 | 146  | 2433922  | 7.051  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.81 | 146  | 2441618  | 7.289  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.36 | 225  | 1970708  | 6.873  | ppbv   | 99       |
| 79) Naphthalene               | 22.19 | 128  | 3503612  | 10.613 | ppbv   | 98       |
| 80) Naphthalene, 2-methyl-    | 24.96 | 142  | 756482   | 11.771 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.91 | 180  | 1970502  | 9.170  | ppbv   | 99       |

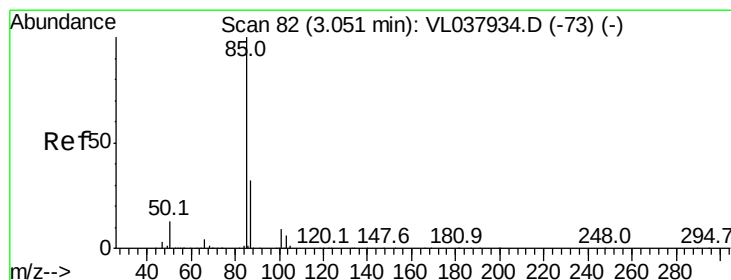
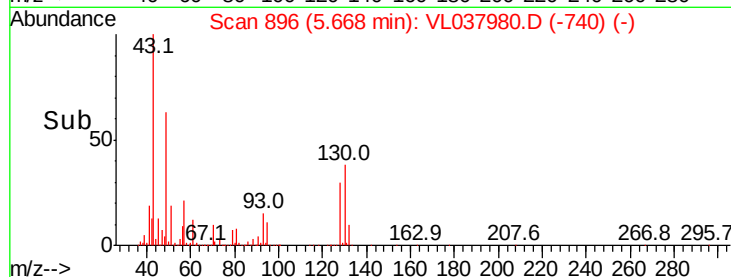
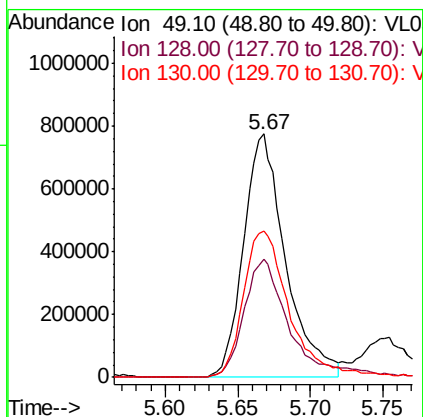
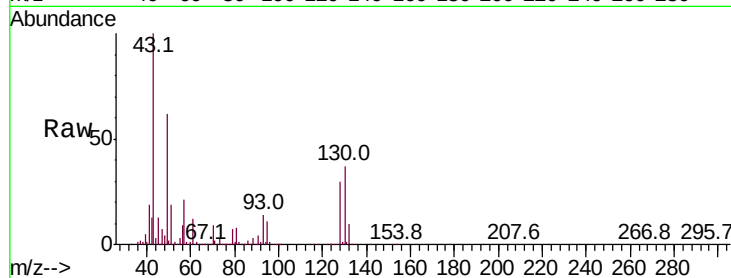
(#) = qualifier out of range (m) = manual integration (+) = signals summed





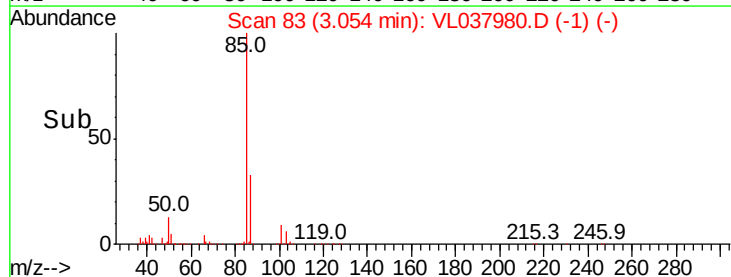
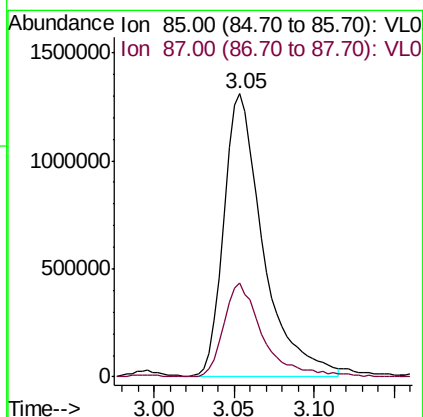
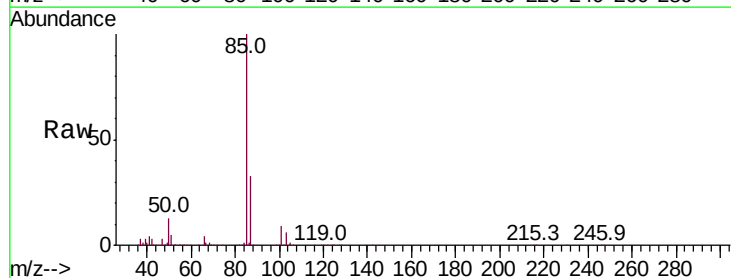
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.67  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 9 Nov 2021 14:31

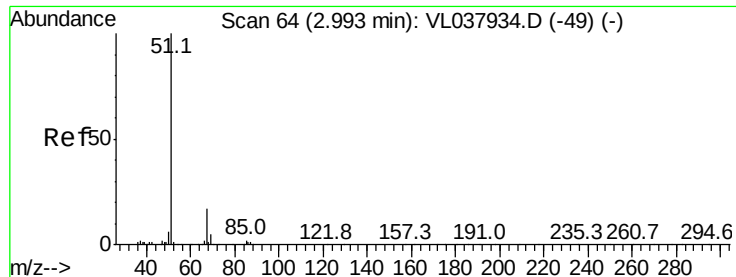
Tot Ion: 49 Resp: 1559025  
 Ion Ratio Lower Upper  
 49 100  
 128 53.5 27.0 81.0  
 130 66.8 33.4 100.2



#2  
 Dichlorodifluoromethane  
 Concen: 9.979 ppbv  
 RT: 3.05 min Scan# 83  
 Delta R.T.: 0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

Tgt Ion: 85 Resp: 2192027  
 Ion Ratio Lower Upper  
 85 100  
 87 33.3 25.3 37.9





#3

Chlorodifluoromethane

Concen: 9.121 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

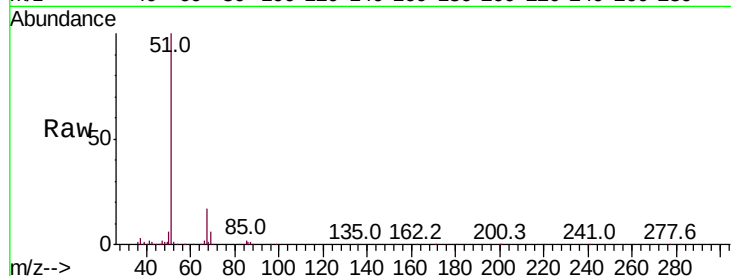
Acq: 9 Nov 2021 14:31

Tot Ion: 51 Resp: 2647252

Ion Ratio Lower Upper

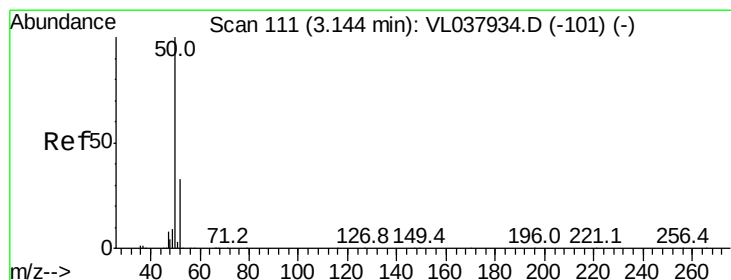
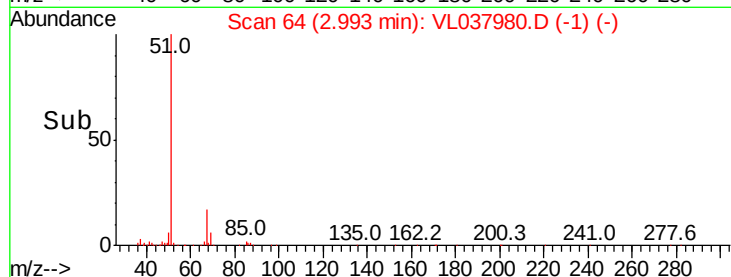
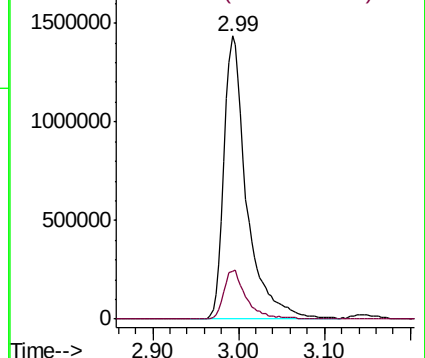
51 100

67 17.2 13.4 20.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.177 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL037980.D

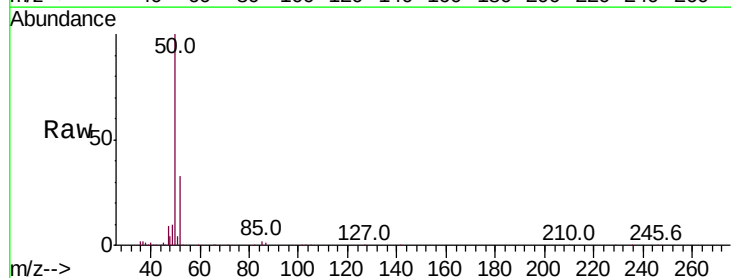
Acq: 9 Nov 2021 14:31

Tgt Ion: 50 Resp: 1012171

Ion Ratio Lower Upper

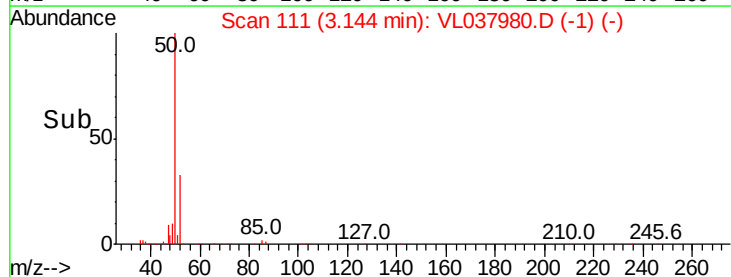
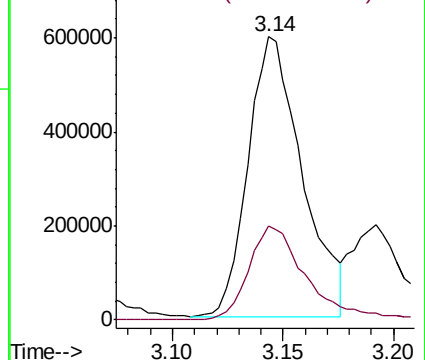
50 100

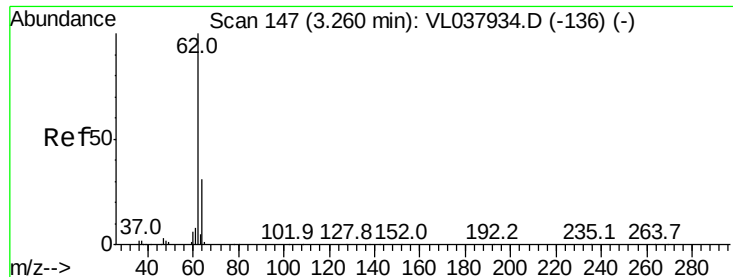
52 33.5 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.476 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

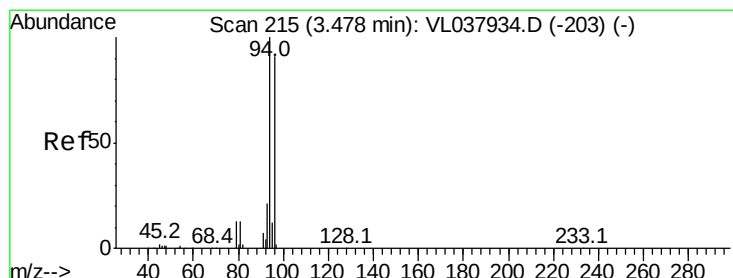
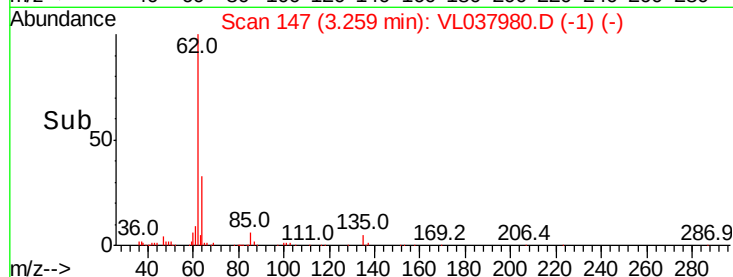
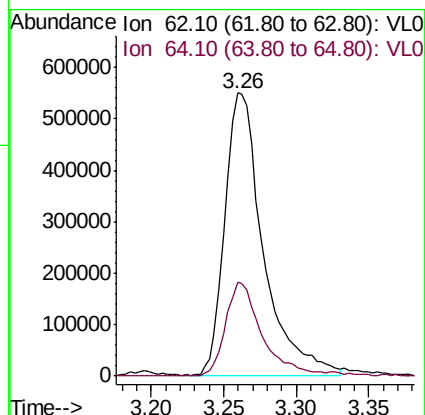
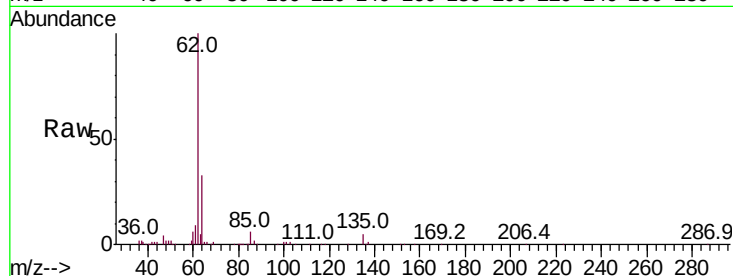
Acq: 9 Nov 2021 14:31

Tot Ion: 62 Resp: 1007368

Ion Ratio Lower Upper

62 100

64 33.3 24.7 37.1



#6

Bromomethane

Concen: 9.721 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL037980.D

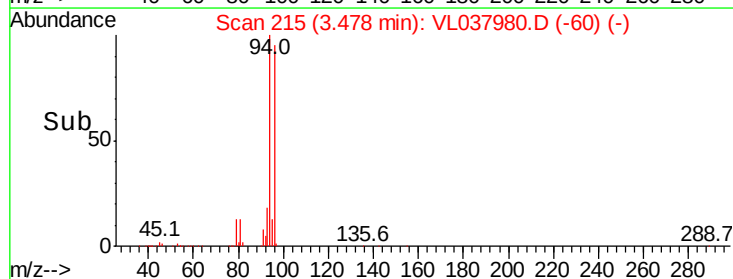
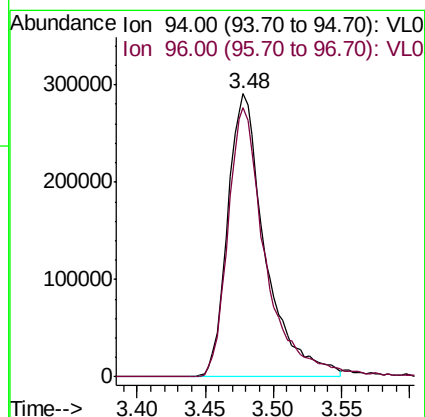
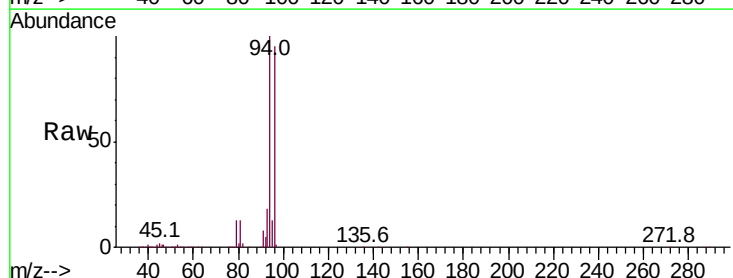
Acq: 9 Nov 2021 14:31

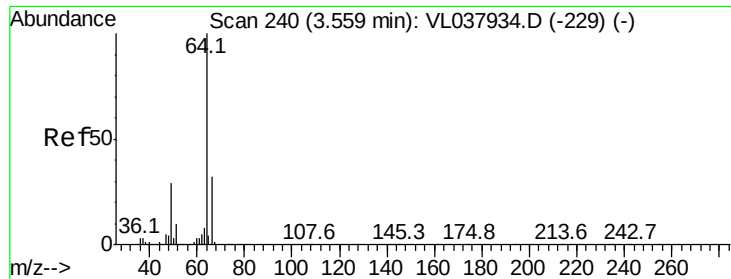
Tgt Ion: 94 Resp: 558268

Ion Ratio Lower Upper

94 100

96 95.1 73.0 109.4





#7

Chloroethane

Concen: 9.057 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

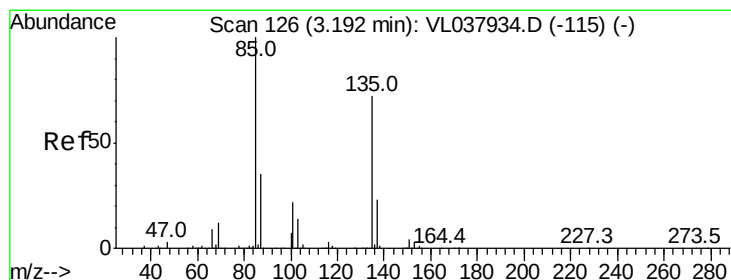
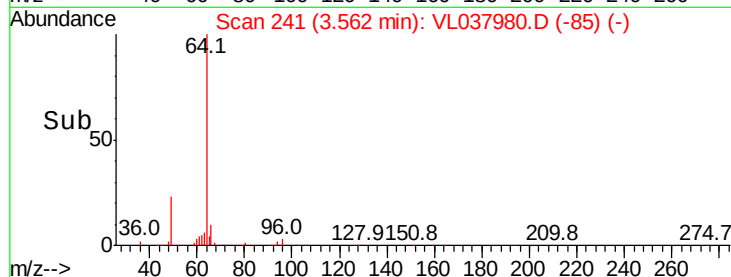
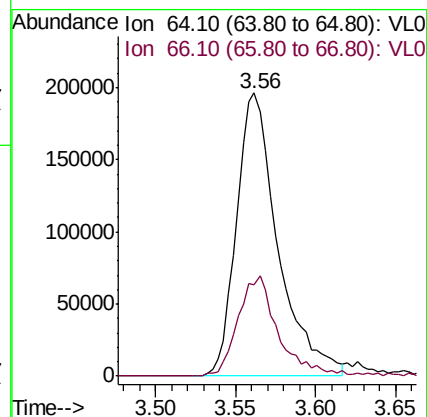
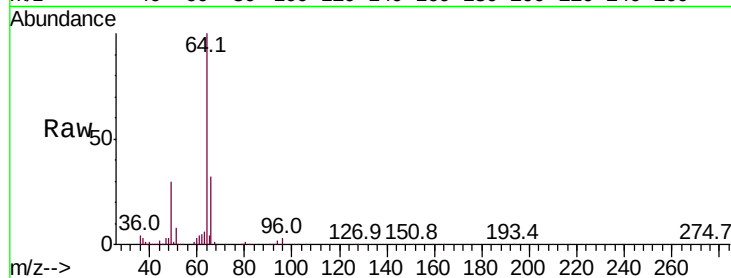
Acq: 9 Nov 2021 14:31

Tot Ion: 64 Resp: 347566

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 9.074 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL037980.D

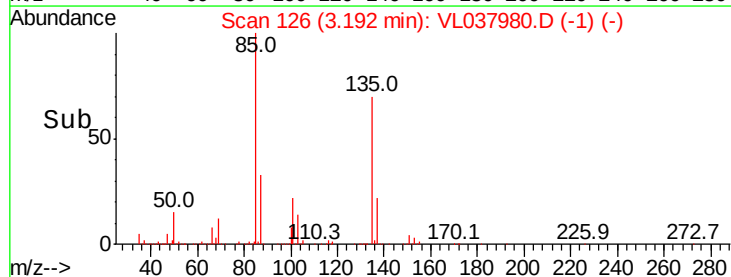
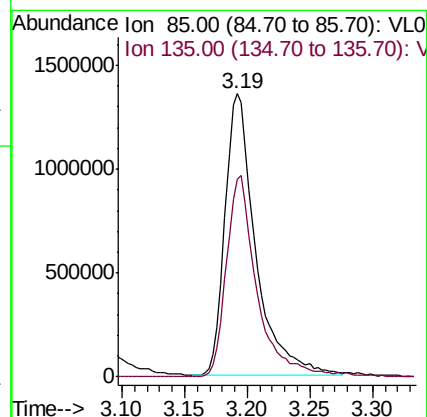
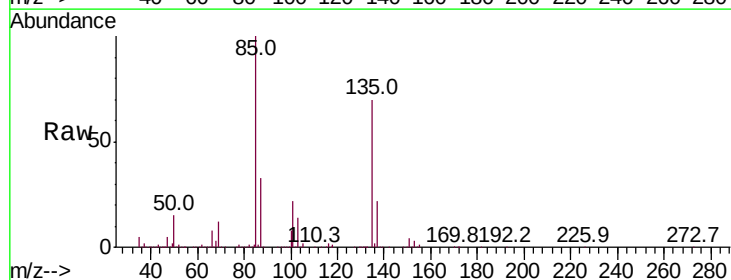
Acq: 9 Nov 2021 14:31

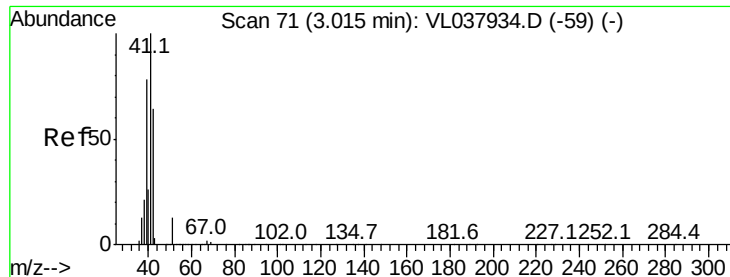
Tgt Ion: 85 Resp: 2296015

Ion Ratio Lower Upper

85 100

135 72.6 58.8 88.2





#9

Propene

Concen: 9.569 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

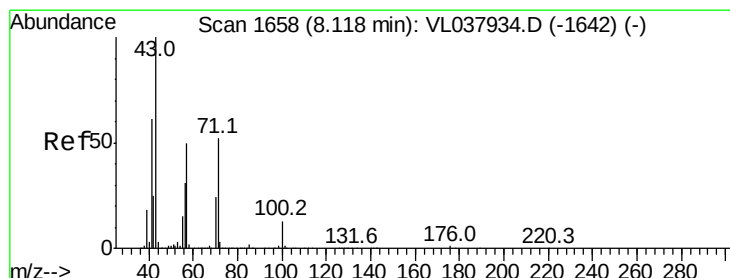
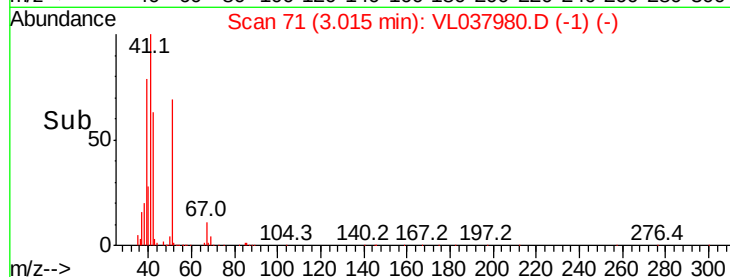
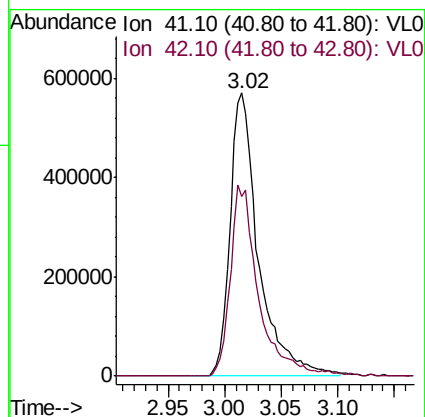
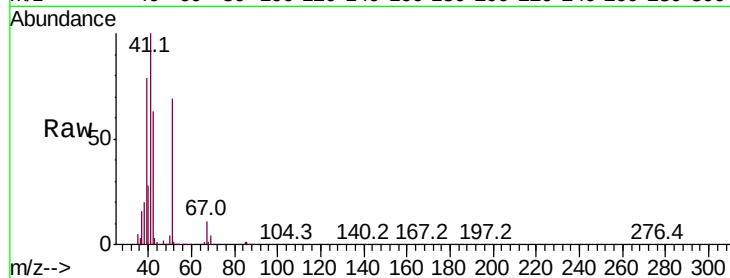
Acq: 9 Nov 2021 14:31

Tot Ion: 41 Resp: 995719

Ion Ratio Lower Upper

41 100

42 67.7 57.6 86.4



#10

Heptane

Concen: 10.078 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL037980.D

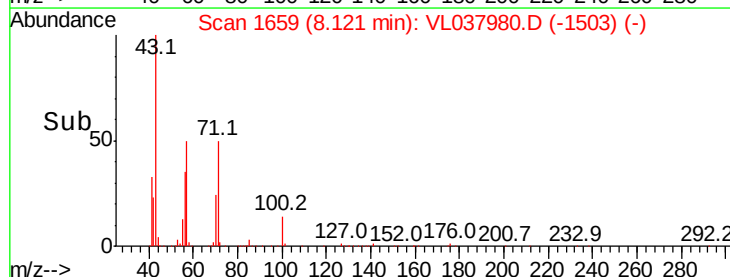
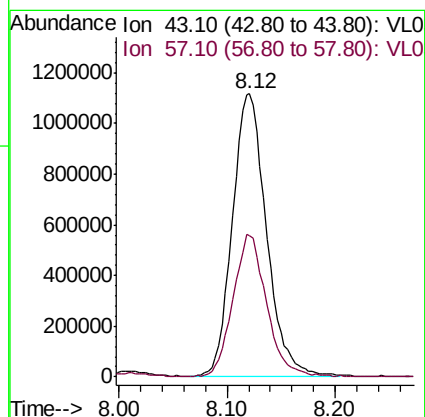
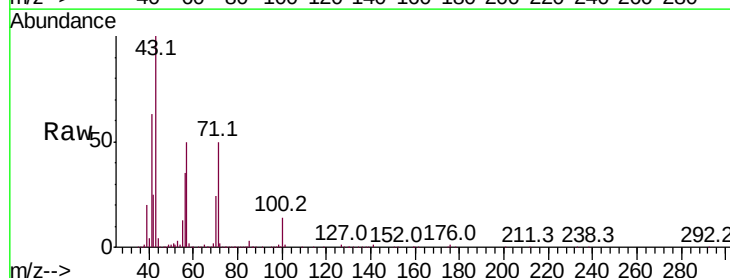
Acq: 9 Nov 2021 14:31

Tgt Ion: 43 Resp: 2439746

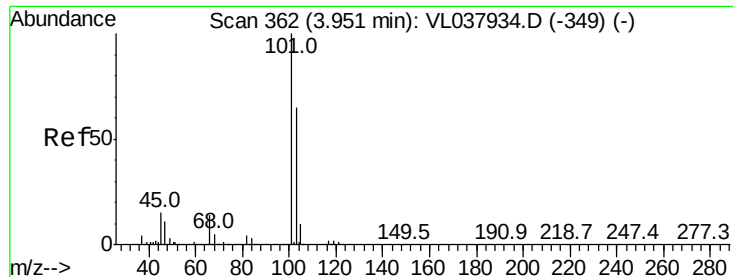
Ion Ratio Lower Upper

43 100

57 50.0 39.8 59.8

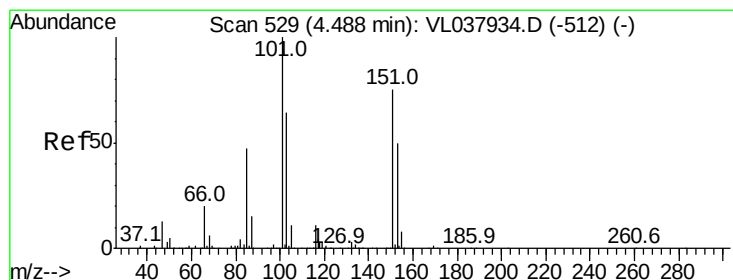
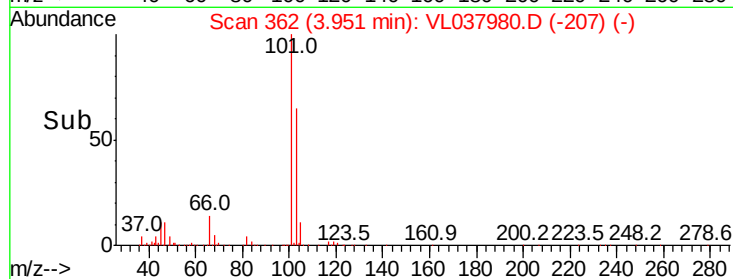
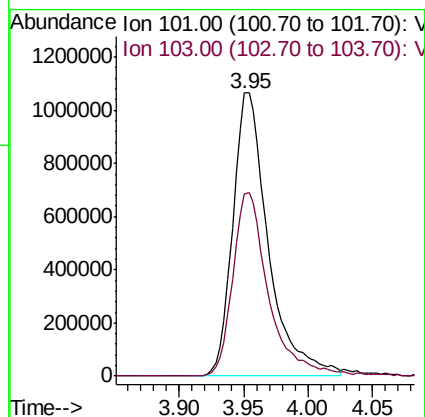
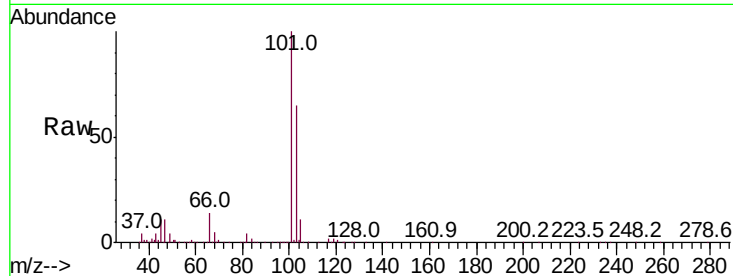






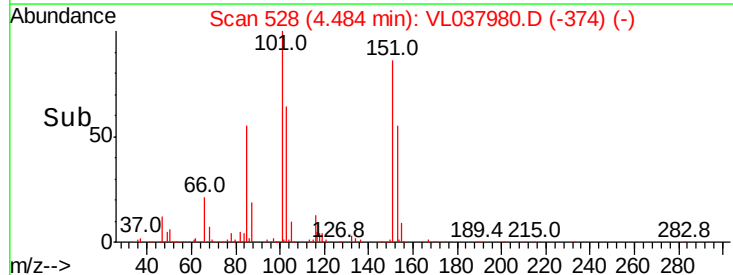
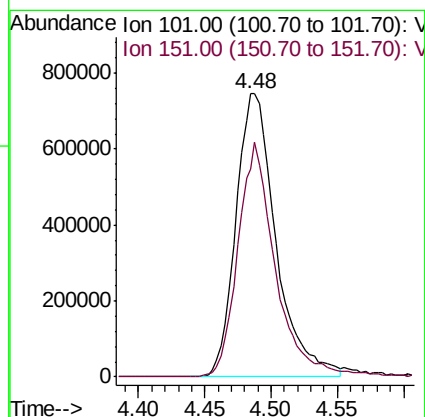
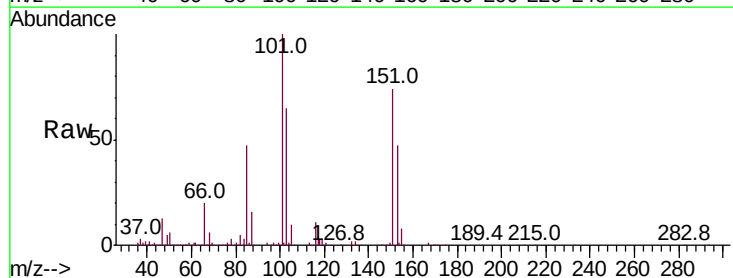
#11  
 Trichlorofluoromethane  
 Concen: 9.311 ppbv  
 RT: 3.95  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 9 Nov 2021 14:31

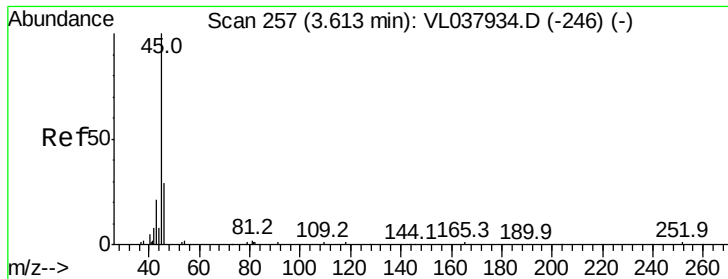
Tot Ion:101 Resp: 2036465  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 52.0 78.0



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.208 ppbv  
 RT: 4.48 min Scan# 528  
 Delta R.T. -0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

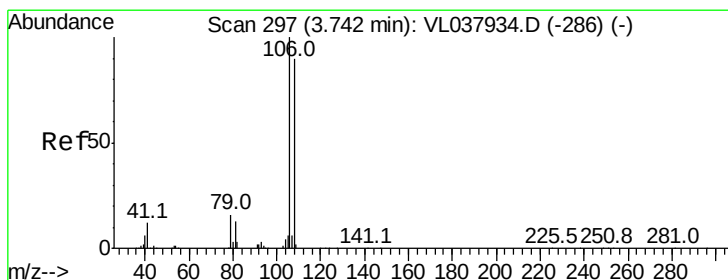
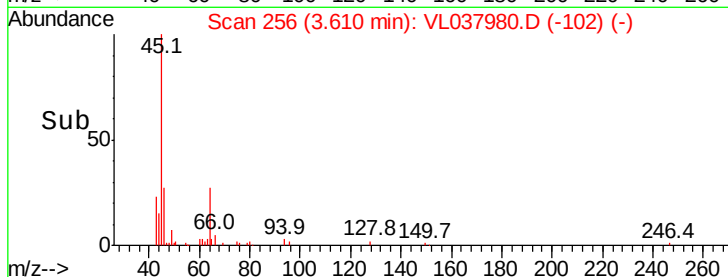
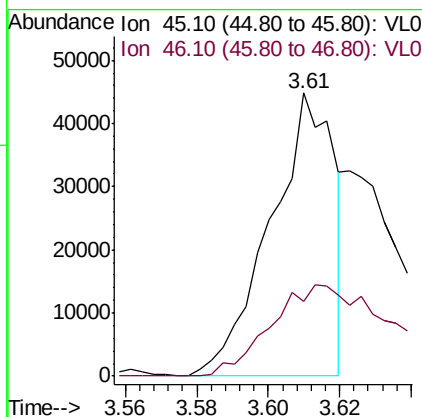
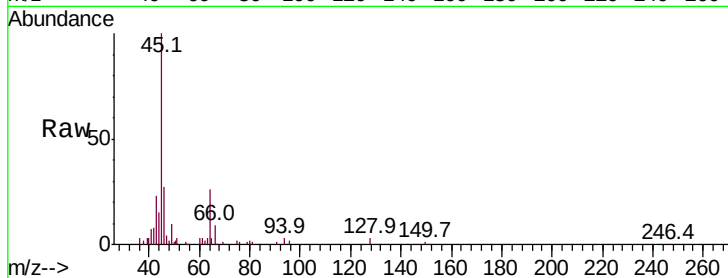
Tgt Ion:101 Resp: 1569933  
 Ion Ratio Lower Upper  
 101 100  
 151 78.2 61.8 92.8





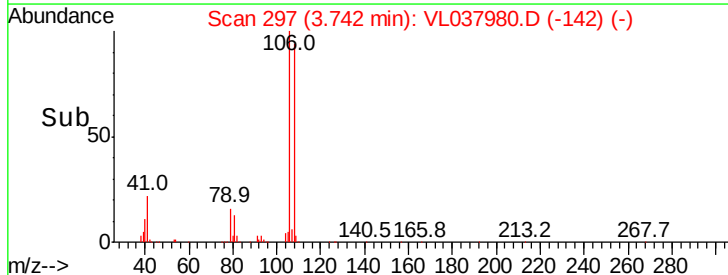
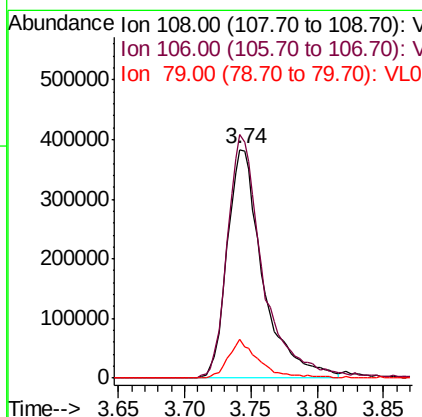
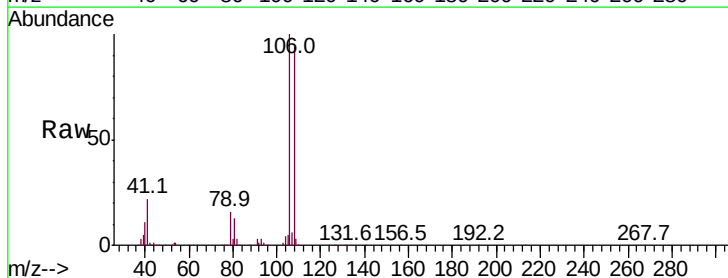
#13  
 Ethanol  
 Concen: 5.278 ppbv  
 RT: 3.61  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 9 Nov 2021 14:31

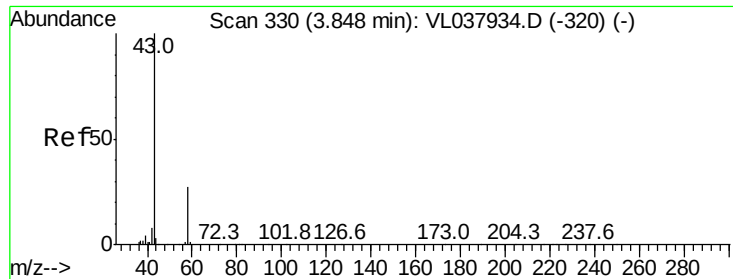
Tot Ion: 45 Resp: 55407  
 Ion Ratio Lower Upper  
 45 100  
 46 71.9 17.4 69.8#



#14  
 Bromoethene  
 Concen: 9.582 ppbv  
 RT: 3.74 min Scan# 297  
 Delta R.T. -0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

Tgt Ion: 108 Resp: 714670  
 Ion Ratio Lower Upper  
 108 100  
 106 107.9 88.4 132.6  
 79 15.5 12.4 18.6





#15

Acetone

Concen: 8.978 ppbv

RT: 3.85 Instrument :

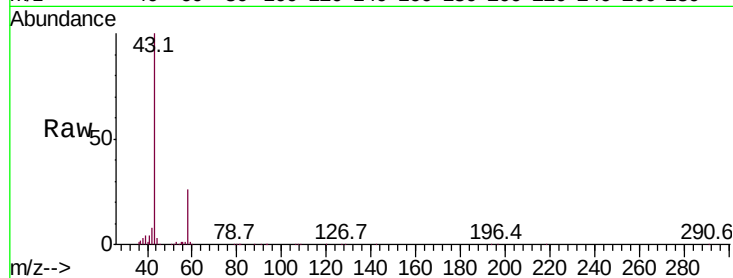
Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 9 Nov 2021 14:31

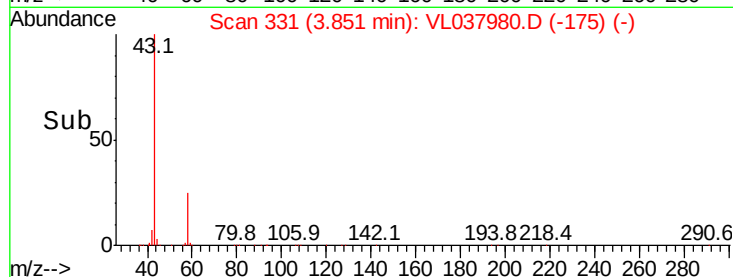
Tot Ion: 43 Resp: 1156571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.9  | 23.3  | 34.9  |

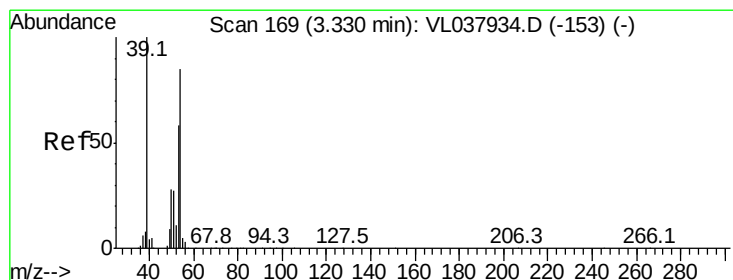


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->



#16

1,3-Butadiene

Concen: 9.542 ppbv

RT: 3.33 min Scan# 170

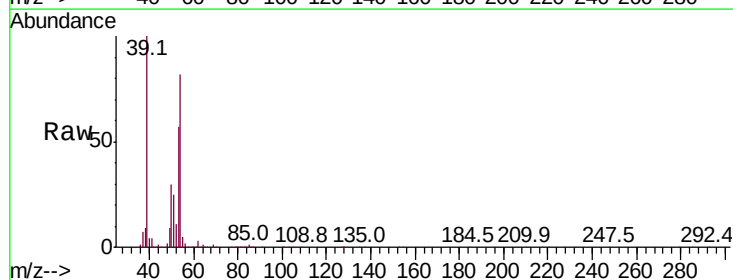
Delta R.T. 0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

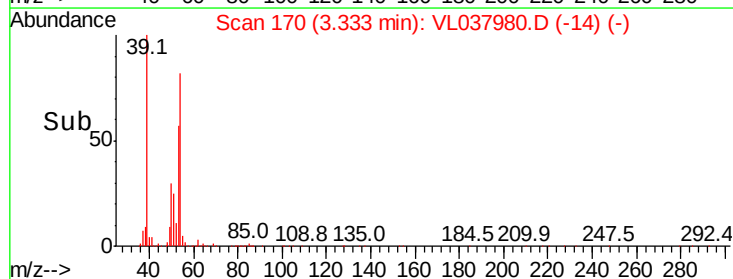
Tgt Ion: 39 Resp: 968576

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 39  | 100   |       |       |
| 54  | 78.8  | 62.6  | 93.8  |

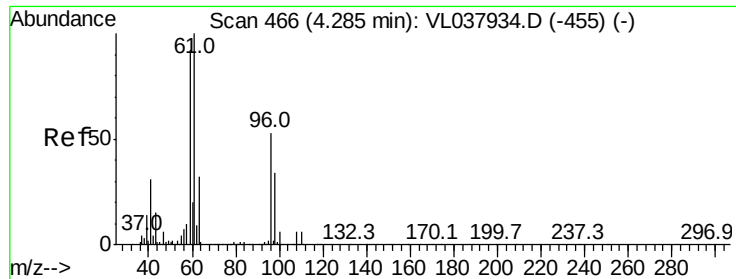


Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



Time-->



#17

tert-Butyl alcohol

Concen: 10.797 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

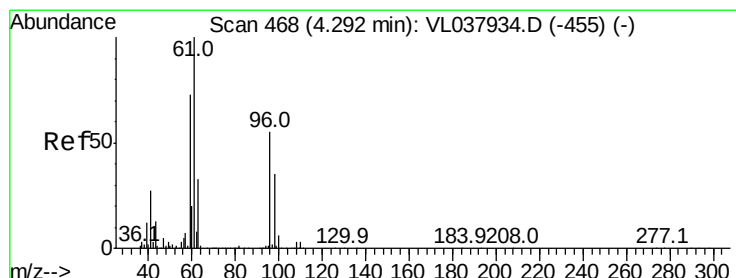
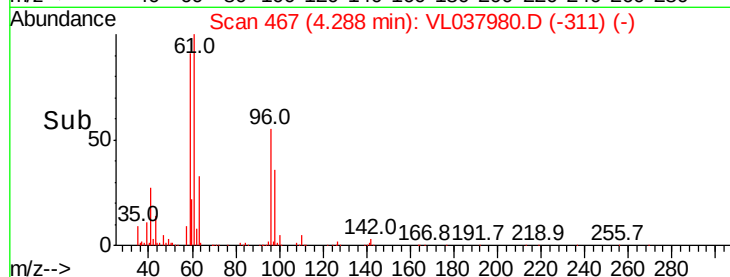
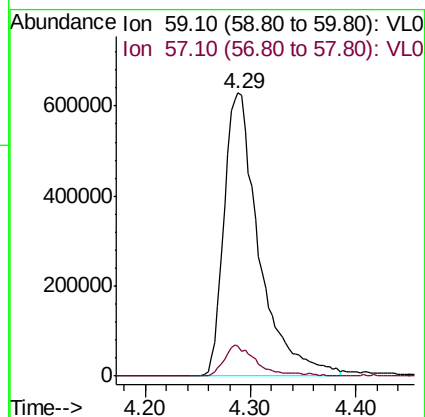
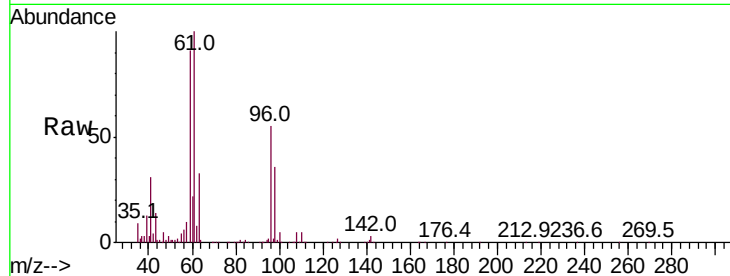
Acq: 9 Nov 2021 14:31

Tot Ion: 59 Resp: 1446204

Ion Ratio Lower Upper

59 100

57 10.4 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.285 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

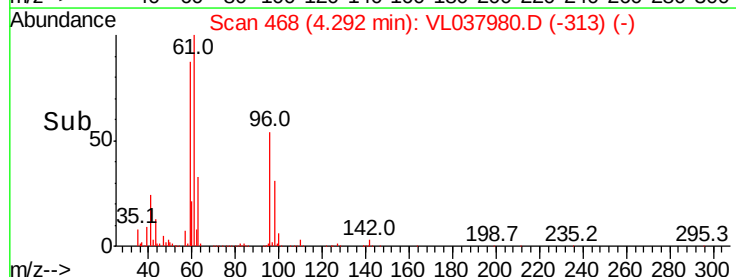
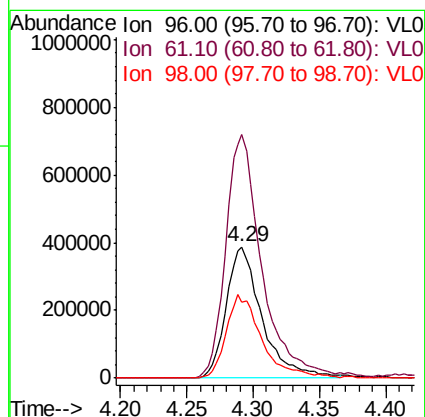
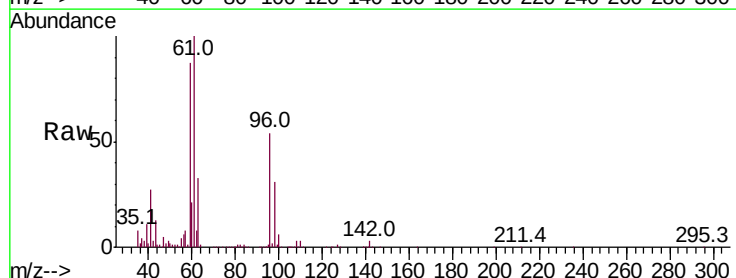
Tgt Ion: 96 Resp: 728585

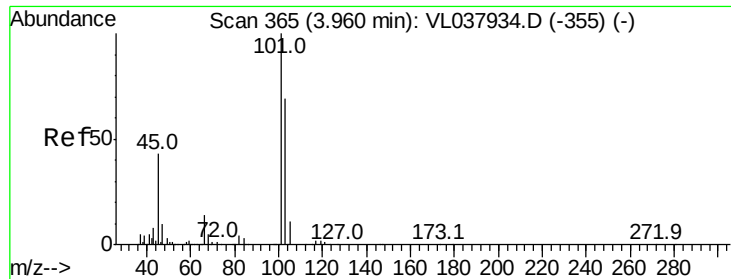
Ion Ratio Lower Upper

96 100

61 185.8 144.3 216.5

98 58.2 50.5 75.7





#19

Isopropyl Alcohol

Concen: 5.676 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

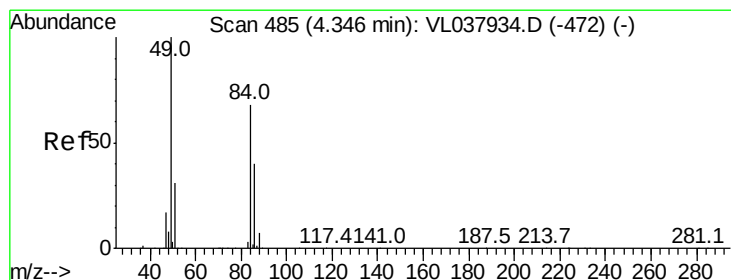
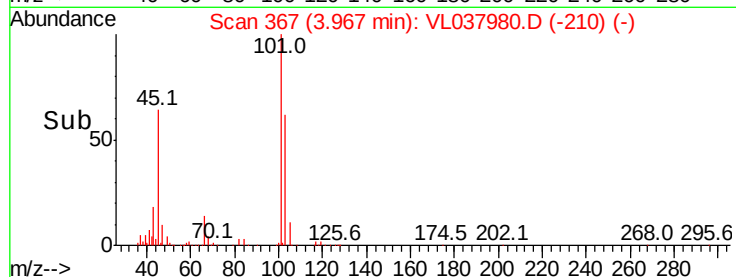
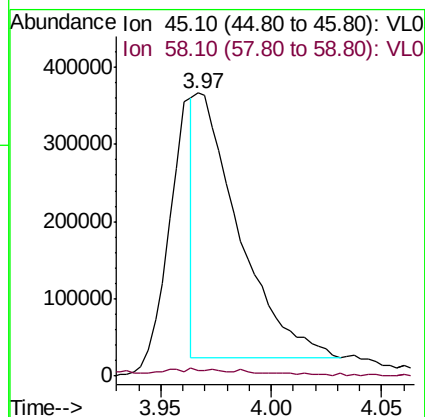
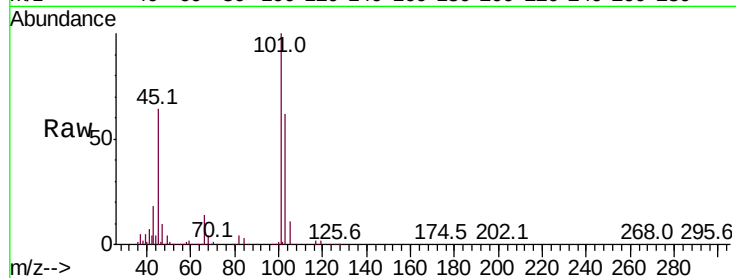
Acq: 9 Nov 2021 14:31

Tot Ion: 45 Resp: 467607

Ion Ratio Lower Upper

45 100

58 4.9 4.0 6.0



#20

Methylene Chloride

Concen: 8.369 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

Tgt Ion: 84 Resp: 591886

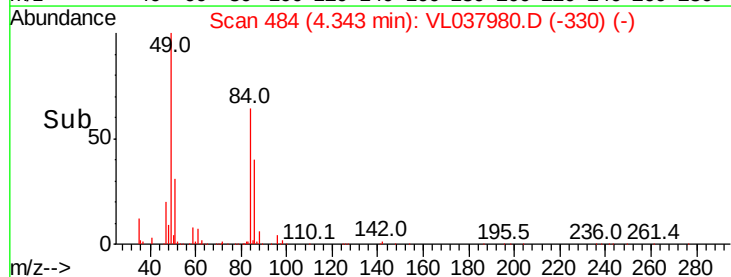
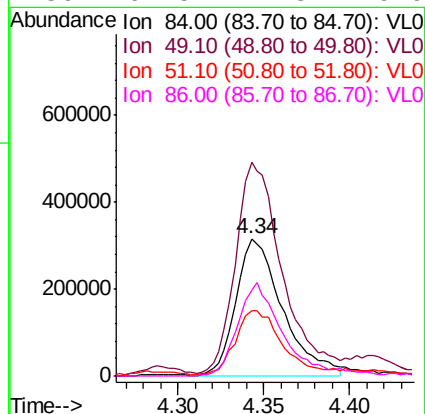
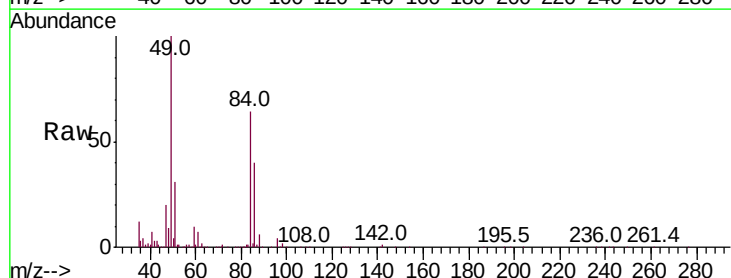
Ion Ratio Lower Upper

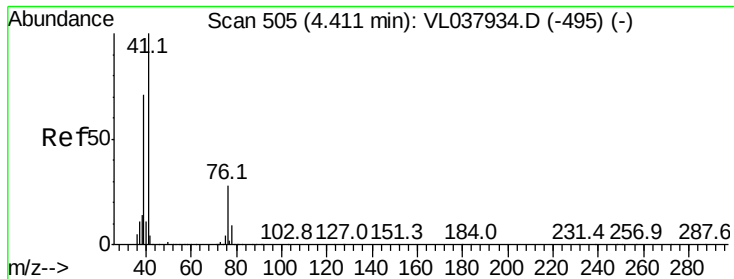
84 100

49 153.5 117.5 176.3

51 46.7 35.9 53.9

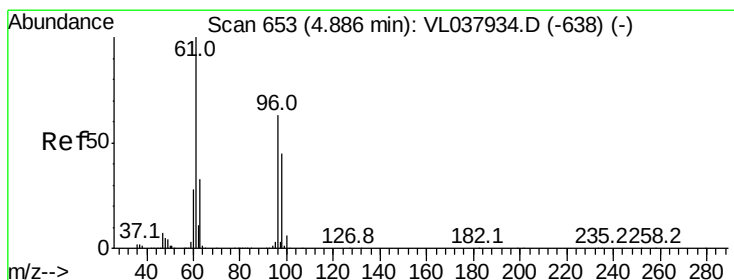
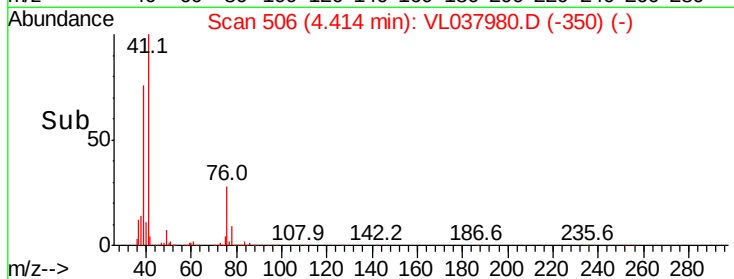
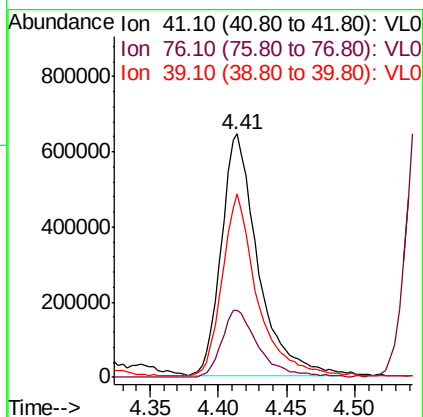
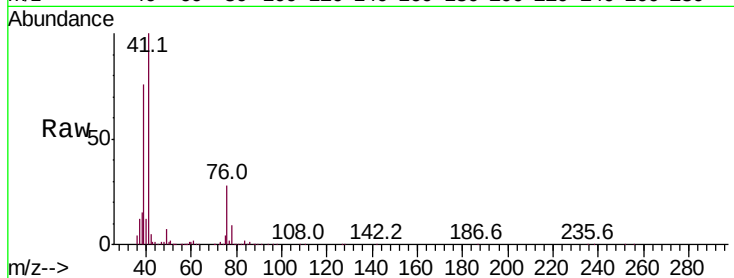
86 62.5 47.3 70.9





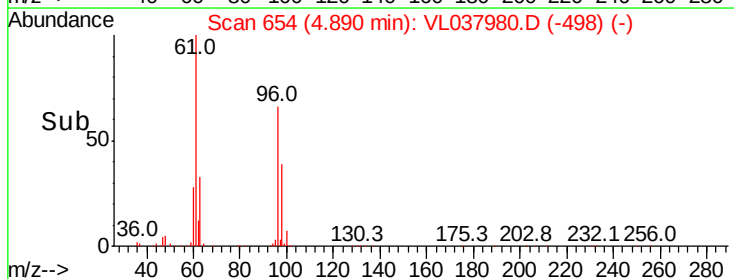
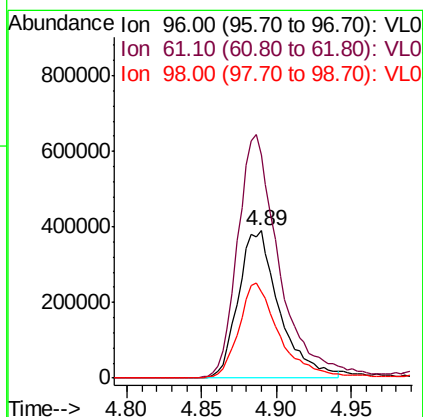
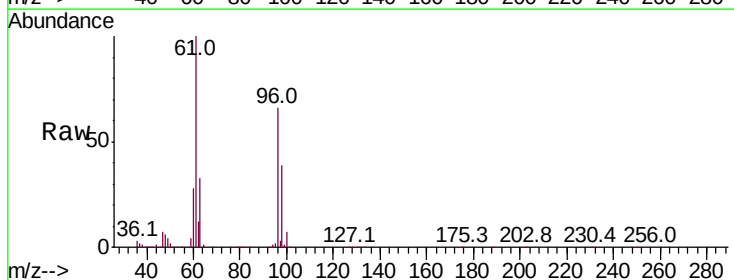
#21  
 Allvl Chloride  
 Concen: 10.026 ppbv  
 RT: 4.41  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 9 Nov 2021 14:31

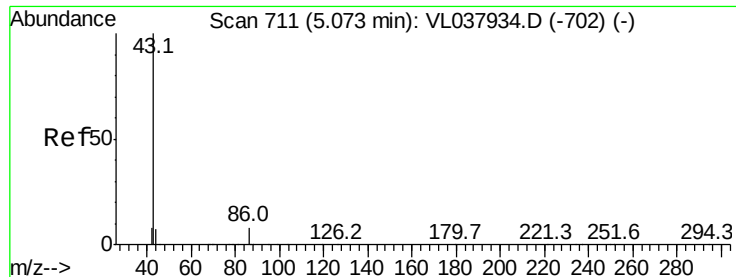
Tot Ion: 41 Resp: 1191738  
 Ion Ratio Lower Upper  
 41 100  
 76 28.5 23.6 35.4  
 39 73.1 59.7 89.5



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.566 ppbv  
 RT: 4.89 min Scan# 654  
 Delta R.T. 0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

Tgt Ion: 96 Resp: 745913  
 Ion Ratio Lower Upper  
 96 100  
 61 151.6 127.8 191.6  
 98 58.4 56.9 85.3





#23

Vinyl Acetate

Concen: 9.212 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 9 Nov 2021 14:31

Tot Ion: 43 Resp: 1786832

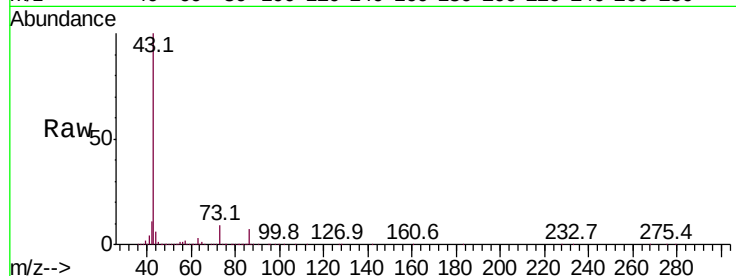
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.3   | 5.5   | 8.3   |
| 42  | 10.6  | 7.4   | 11.2  |
| 44  | 5.4   | 4.7   | 7.1   |

43 100

86 7.3 5.5 8.3

42 10.6 7.4 11.2

44 5.4 4.7 7.1



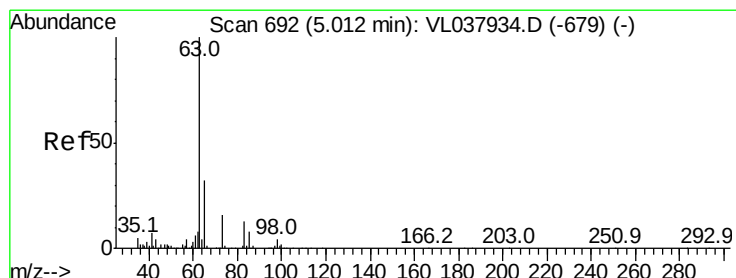
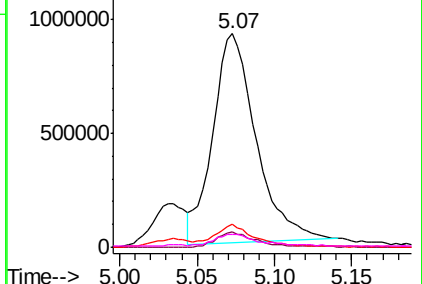
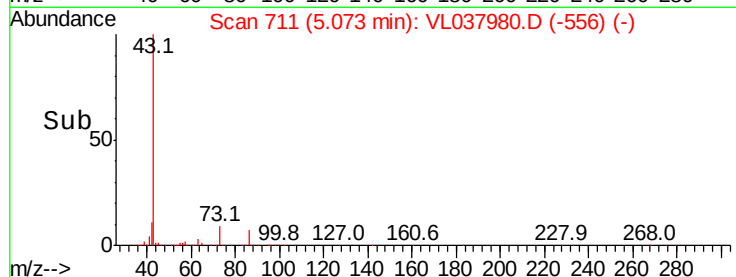
Abundance

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: 9.359 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

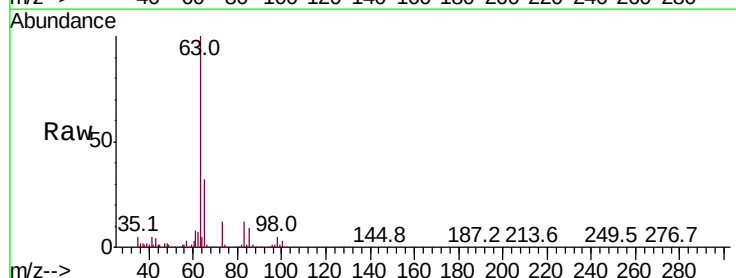
Tgt Ion: 63 Resp: 1499796

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.3   | 2.3   | 6.9   |
| 100 | 3.0   | 1.2   | 3.6   |

63 100

98 4.3 2.3 6.9

100 3.0 1.2 3.6

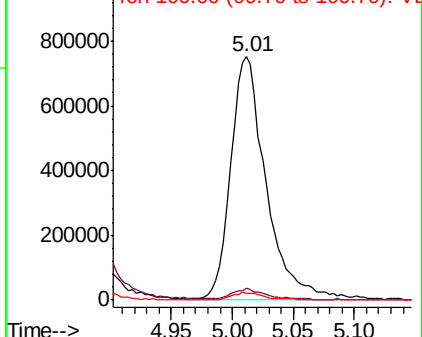
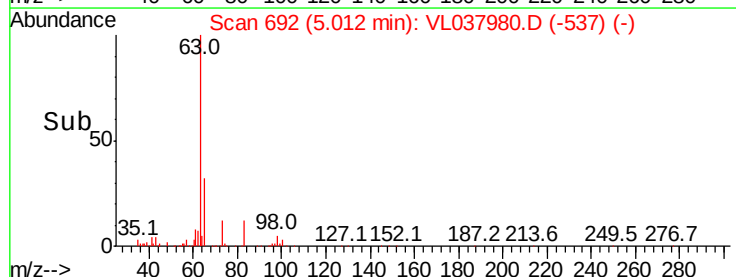


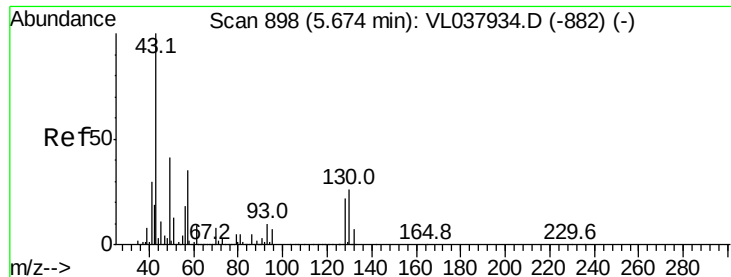
Abundance

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

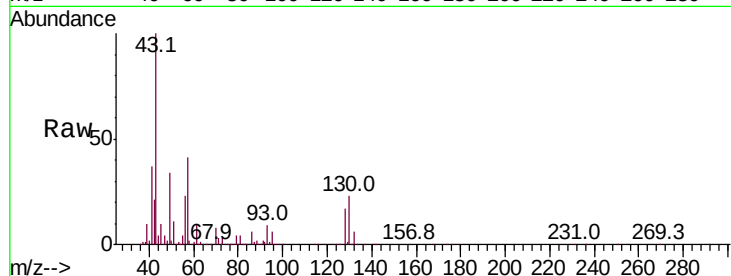




#25  
Ethyl Acetate  
Concen: 9.838 ppbv  
RT: 5.68  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

Tot Ion: 43 Resp: 3764579

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.1  | 8.1   | 12.1  |
| 61  | 10.2  | 8.1   | 12.1  |
| 70  | 7.4   | 5.8   | 8.6   |



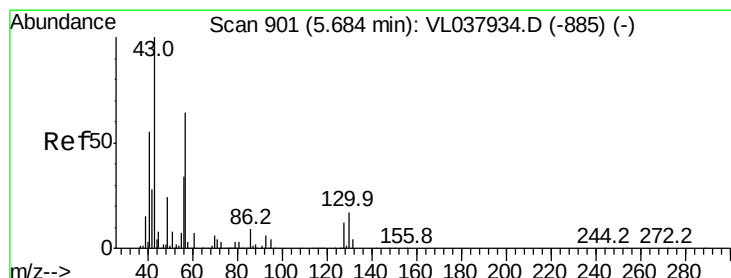
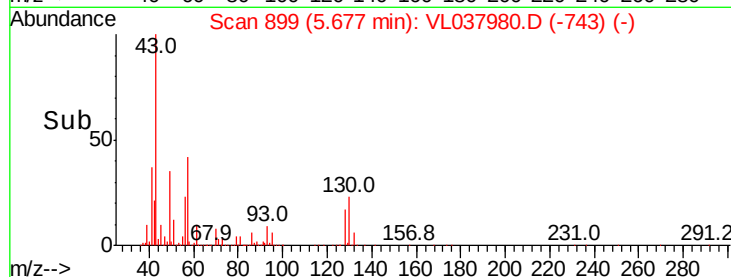
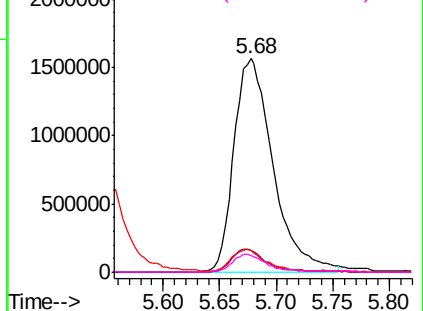
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

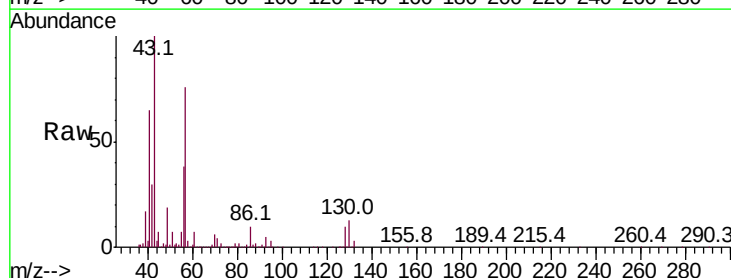
Ion 70.10 (69.80 to 70.80): VL0



#26  
Hexane  
Concen: 9.645 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T.: 0.01 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion: 57 Resp: 1748594

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 89.6  | 71.0  | 106.6 |
| 43  | 219.7 | 173.0 | 259.6 |
| 56  | 54.4  | 43.6  | 65.4  |



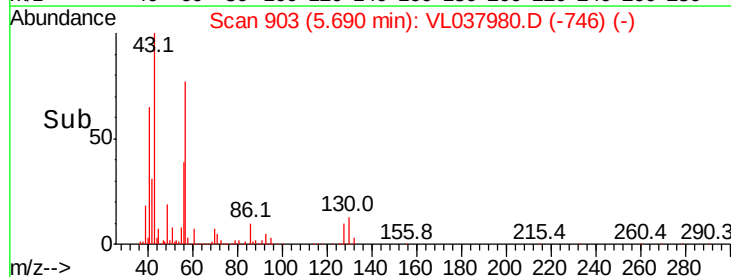
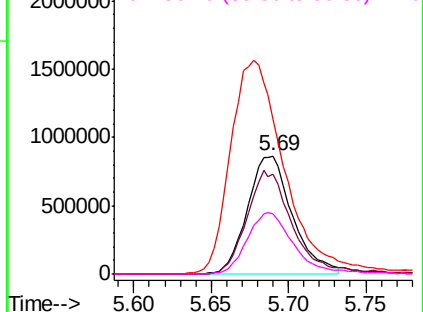
Abundance

Ion 57.10 (56.80 to 57.80): VL0

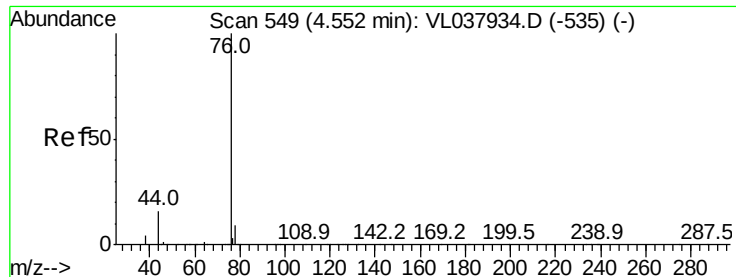
Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0







#27

Carbon Disulfide

Concen: 10.461 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Nov 2021 14:31

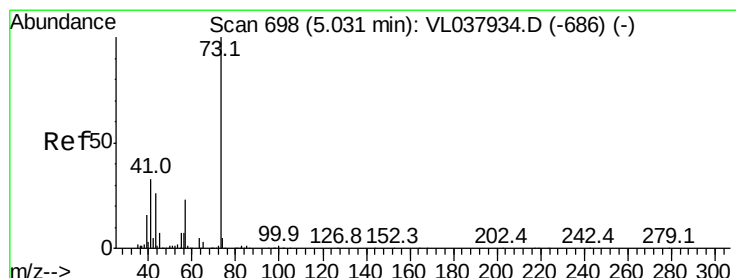
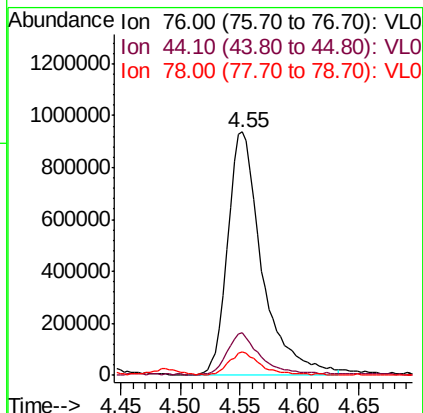
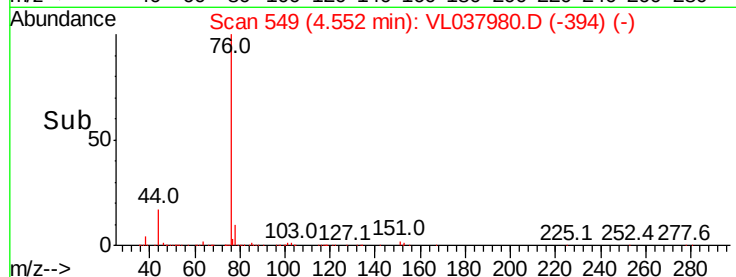
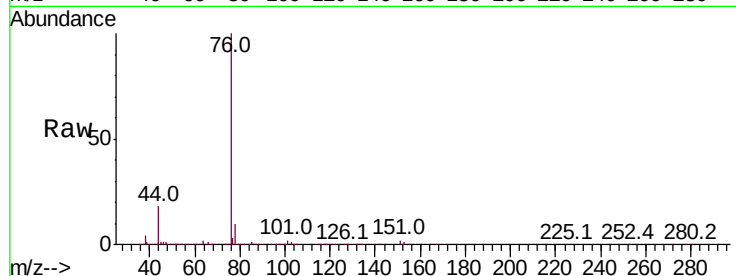
Tot Ion: 76 Resp: 1872190

Ion Ratio Lower Upper

76 100

44 16.9 13.2 19.8

78 9.5 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 9.901 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL037980.D

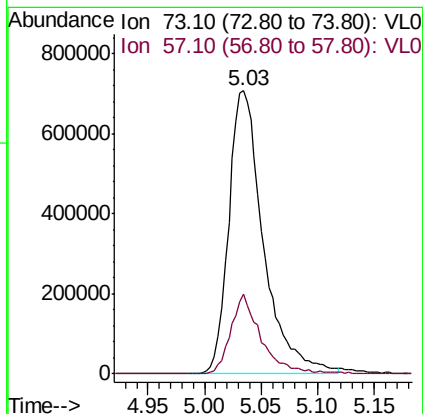
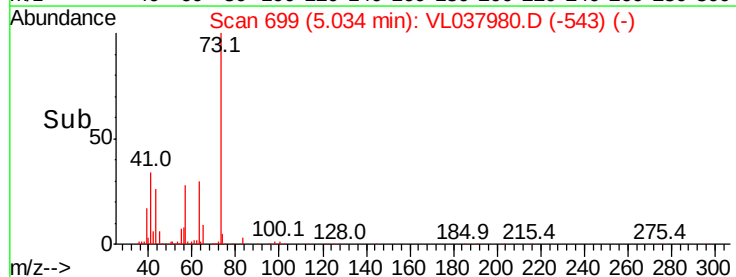
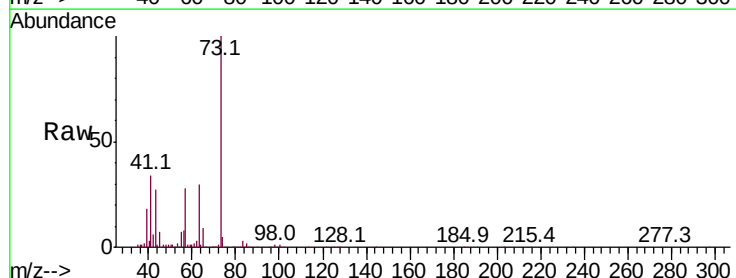
Acq: 9 Nov 2021 14:31

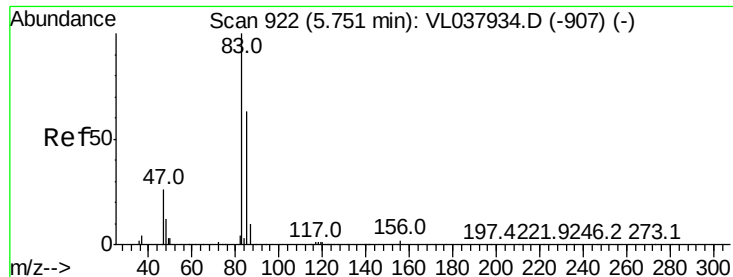
Tgt Ion: 73 Resp: 1509013

Ion Ratio Lower Upper

73 100

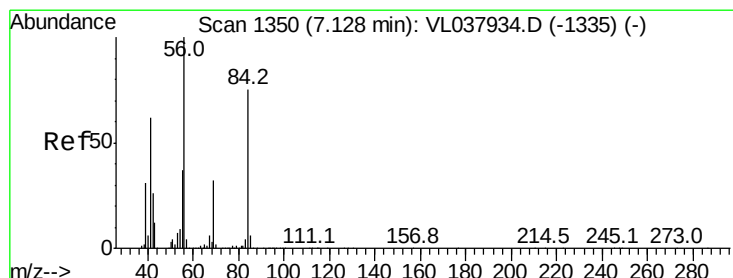
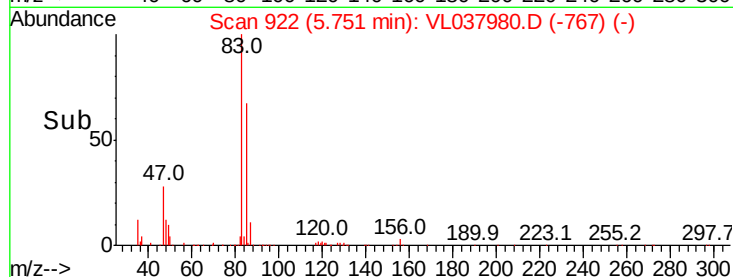
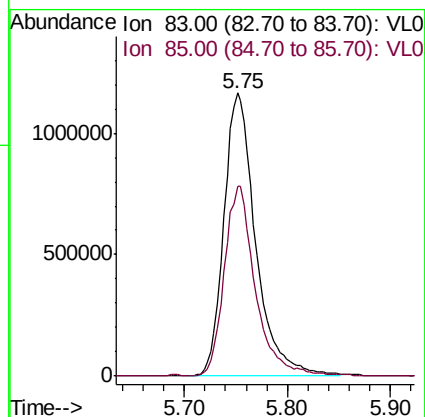
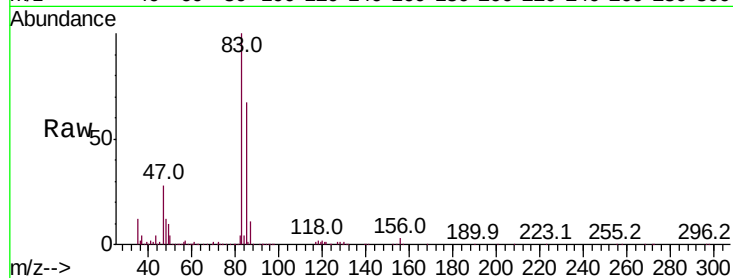
57 25.1 20.1 30.1





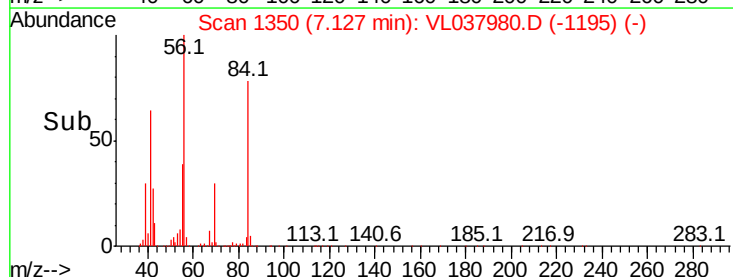
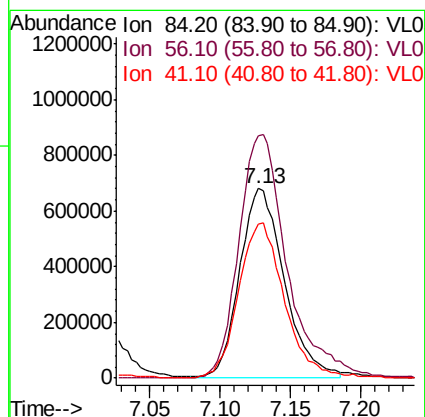
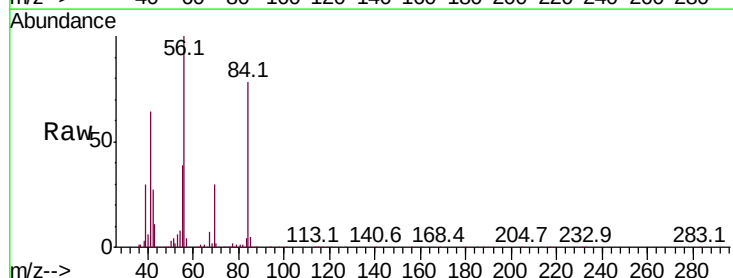
#29  
Chloroform  
Concen: 9.246 ppbv  
RT: 5.75  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 9 Nov 2021 14:31

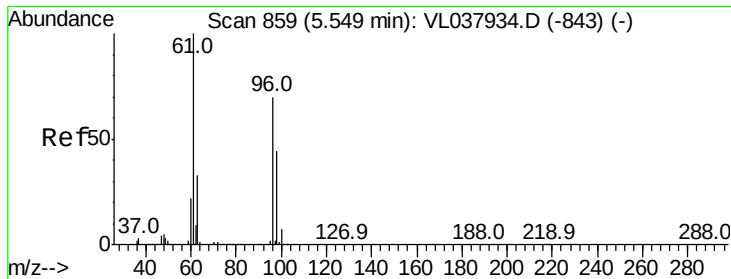
Tot Ion: 83 Resp: 2499684  
Ion Ratio Lower Upper  
83 100  
85 66.7 50.6 76.0



#30  
Cyclohexane  
Concen: 9.670 ppbv  
RT: 7.13 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion: 84 Resp: 1498612  
Ion Ratio Lower Upper  
84 100  
56 141.0 114.0 171.0  
41 85.5 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 10.091 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Nov 2021 14:31

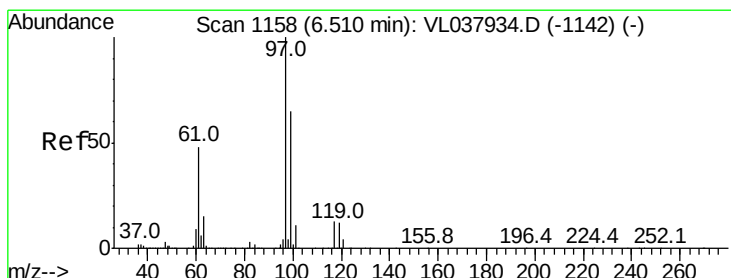
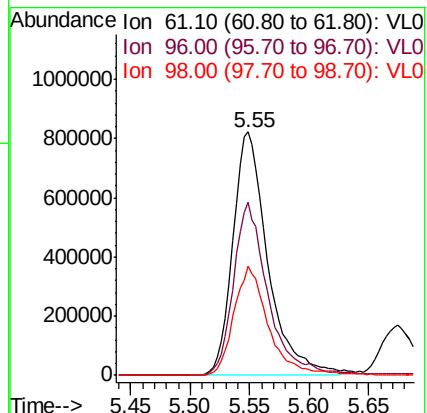
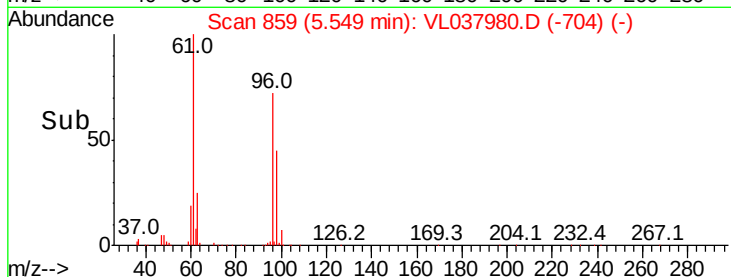
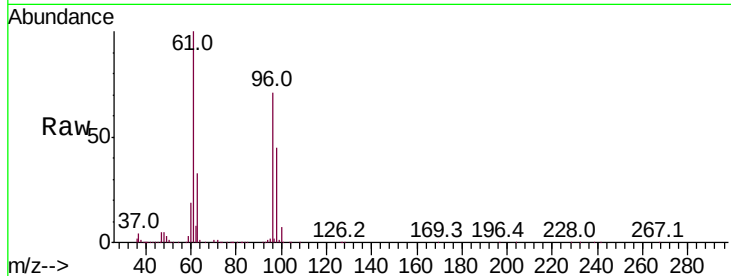
Tot Ion: 61 Resp: 1669151

Ion Ratio Lower Upper

61 100

96 71.3 55.6 83.4

98 45.1 34.9 52.3



#32

1,1,1-Trichloroethane

Concen: 8.920 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

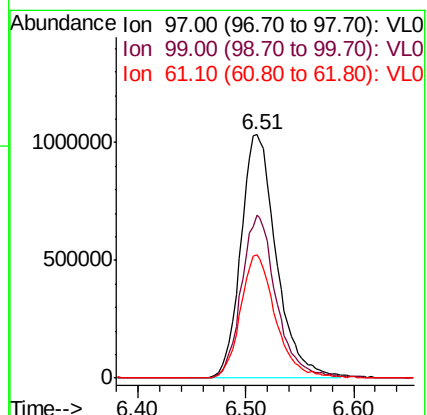
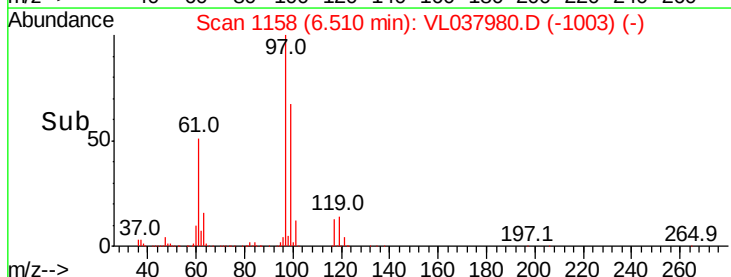
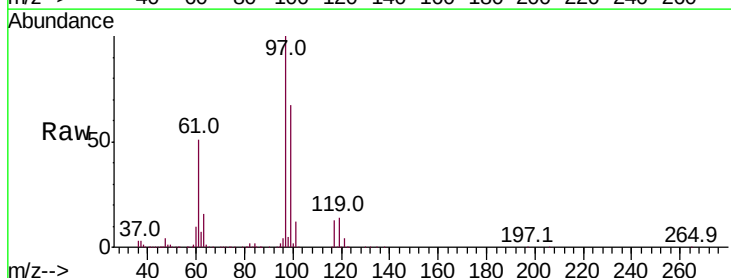
Tgt Ion: 97 Resp: 2370434

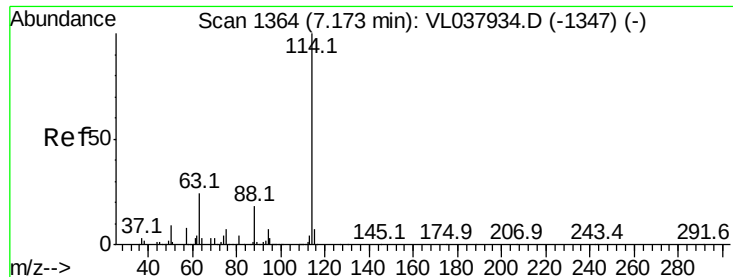
Ion Ratio Lower Upper

97 100

99 66.0 52.2 78.4

61 50.5 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

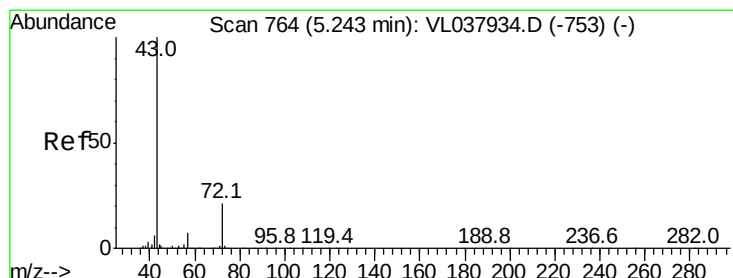
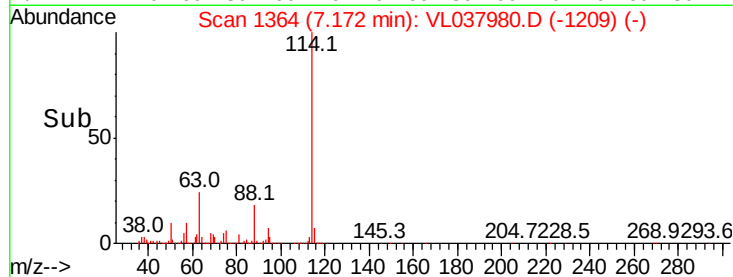
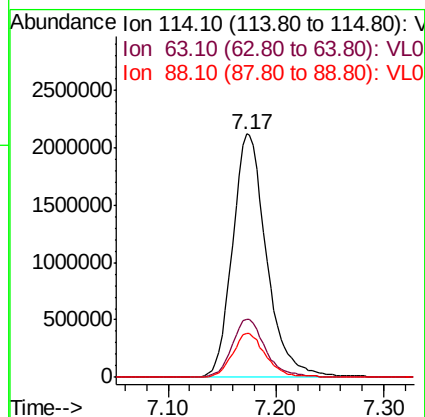
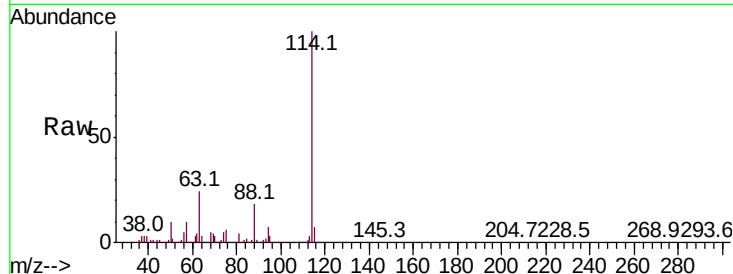
Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 9 Nov 2021 14:31

Tot Ion:114 Resp: 4654245

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.9  | 19.4  | 29.0  |
| 88  | 17.9  | 14.2  | 21.4  |



#34

2-Butanone

Concen: 8.989 ppbv

RT: 5.24 min Scan# 764

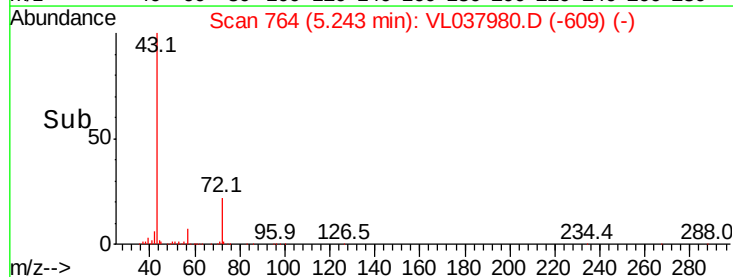
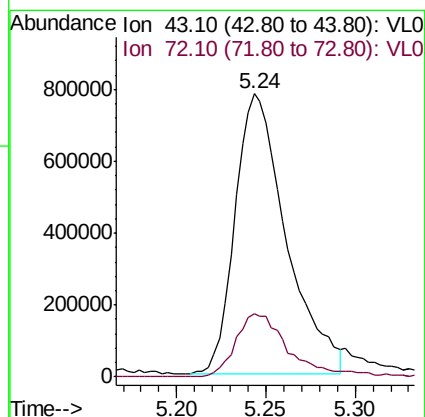
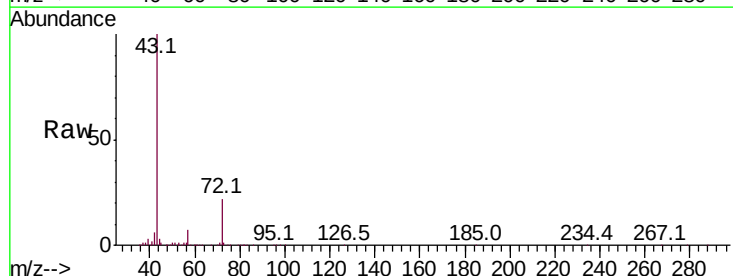
Delta R.T. -0.00 min

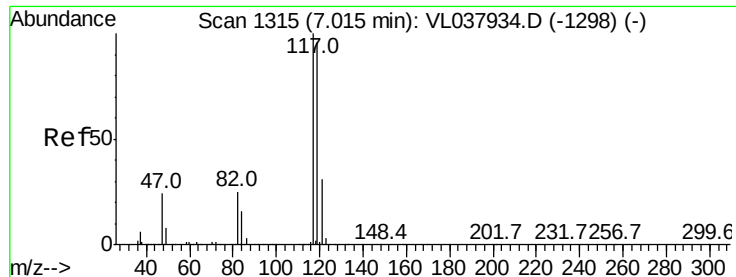
Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

Tgt Ion: 43 Resp: 1550208

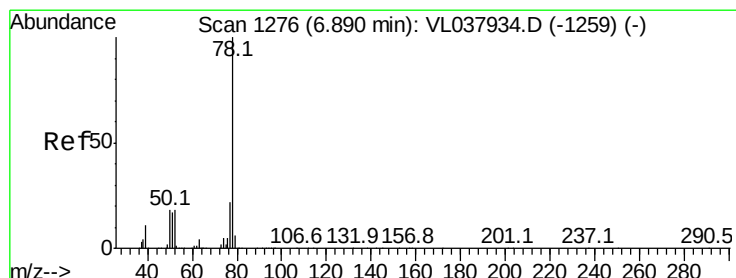
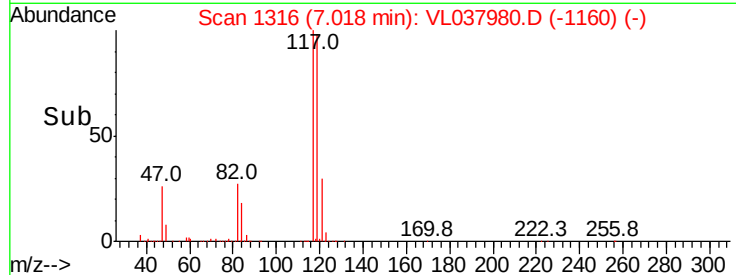
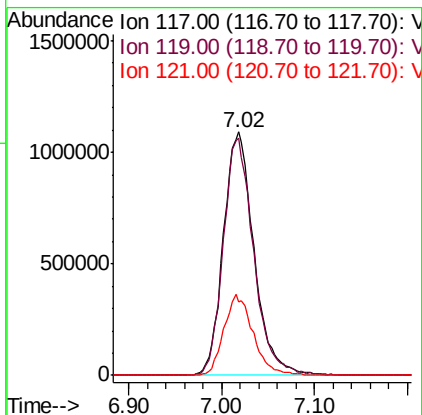
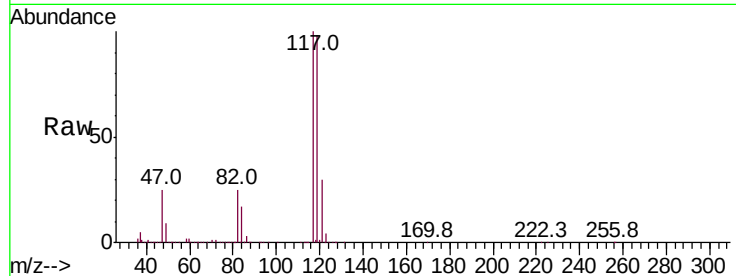
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 24.5  | 18.3  | 27.5  |





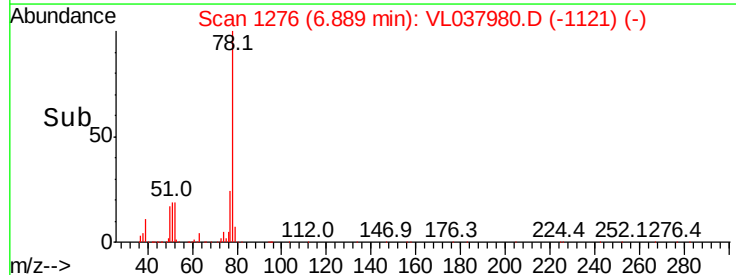
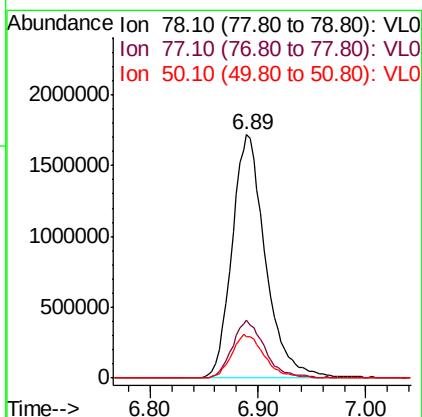
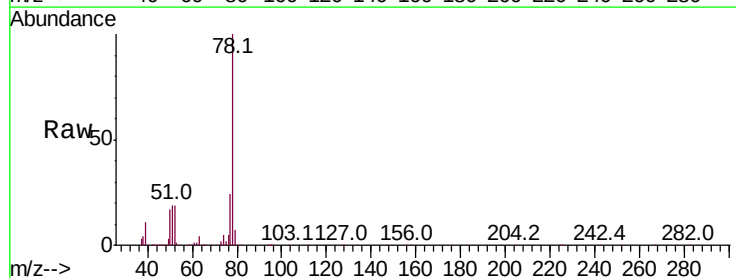
#35  
Carbon Tetrachloride  
Concen: 8.892 ppbv  
RT: 7.02  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

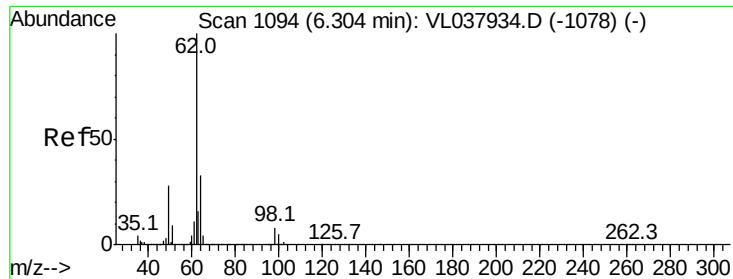
Tot Ion:117 Resp: 2501991  
Ion Ratio Lower Upper  
117 100  
119 97.7 76.6 114.8  
121 30.3 25.1 37.7



#36  
Benzene  
Concen: 9.764 ppbv  
RT: 6.89 min Scan# 1276  
Delta R.T. -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

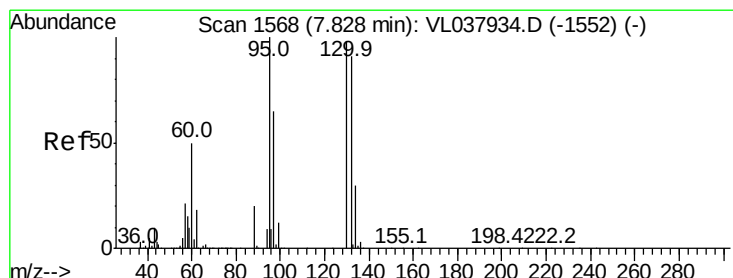
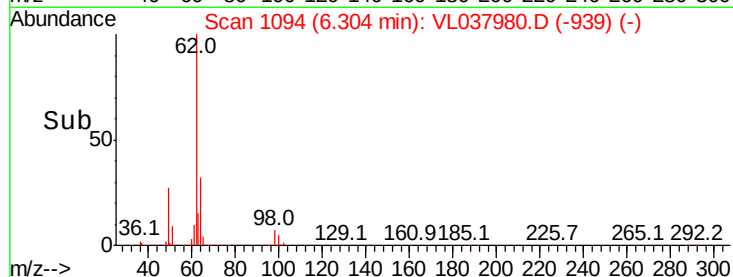
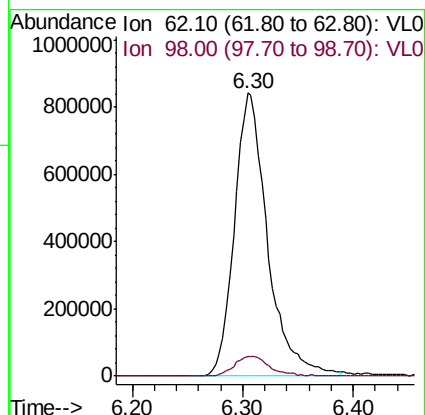
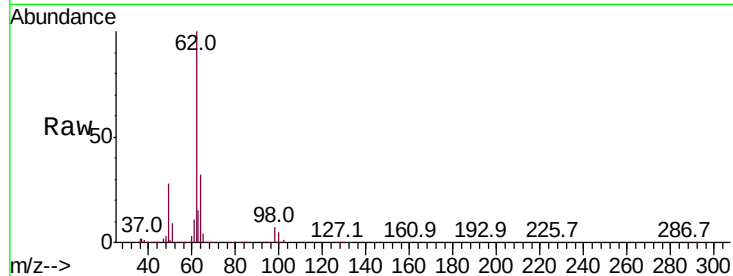
Tgt Ion: 78 Resp: 3700933  
Ion Ratio Lower Upper  
78 100  
77 23.8 17.9 26.9  
50 17.2 14.4 21.6





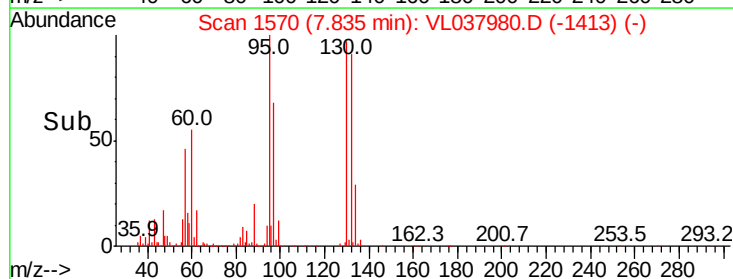
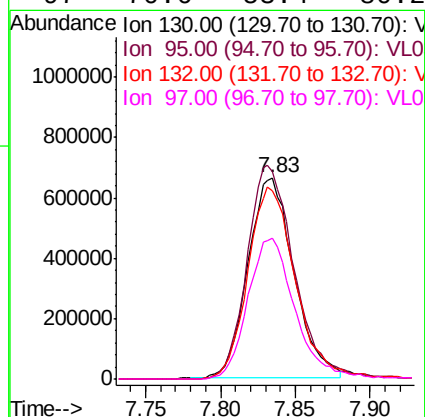
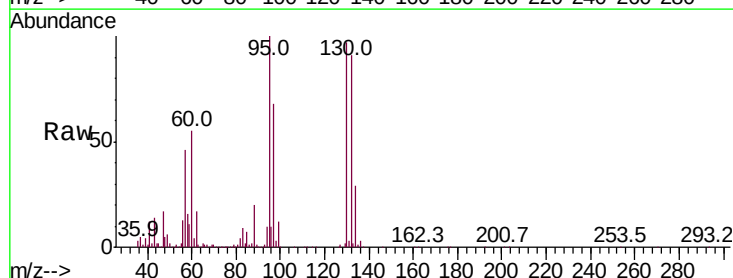
#37  
 1,2-Dichloroethane  
 Concen: 9.730 ppbv  
 RT: 6.30  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 9 Nov 2021 14:31

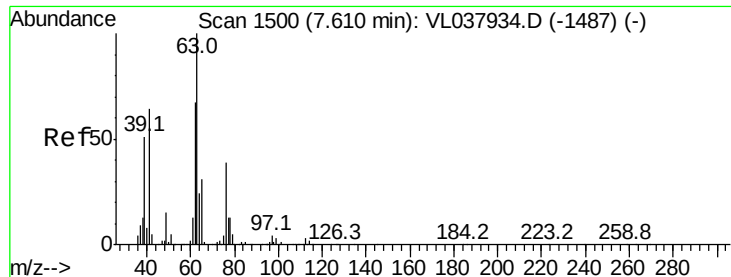
Tot Ion: 62 Resp: 1753321  
 Ion Ratio Lower Upper  
 62 100  
 98 8.0 6.5 9.7



#38  
 Trichloroethene  
 Concen: 9.029 ppbv  
 RT: 7.83 min Scan# 1570  
 Delta R.T. 0.01 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

Tgt Ion: 130 Resp: 1420448  
 Ion Ratio Lower Upper  
 130 100  
 95 103.4 81.8 122.8  
 132 94.1 74.2 111.2  
 97 70.6 53.4 80.2





#39

1,2-Dichloropropane

Concen: 9.867 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 9 Nov 2021 14:31

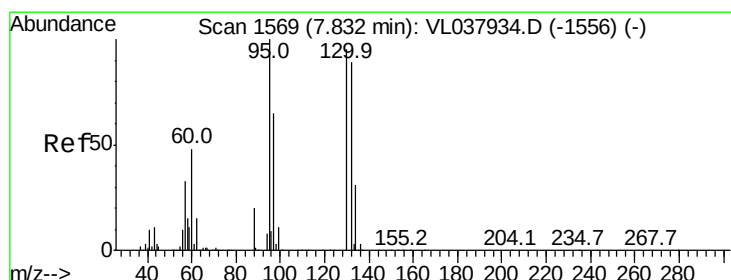
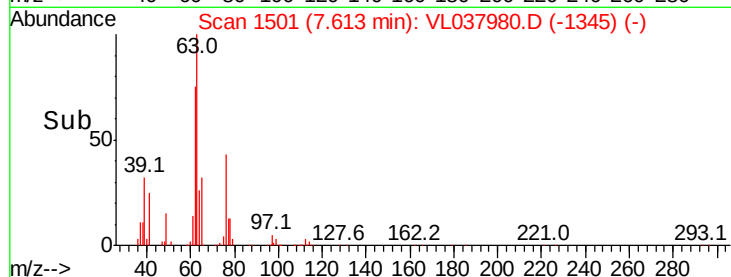
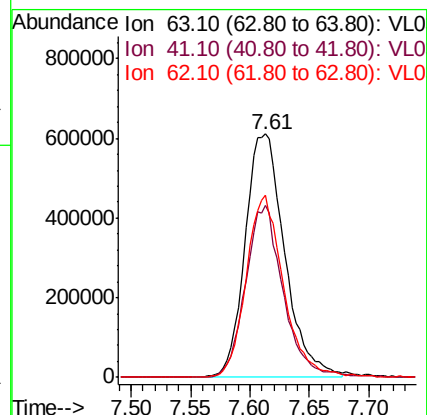
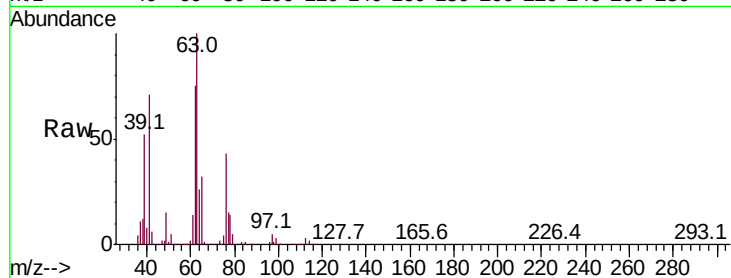
Tot Ion: 63 Resp: 1407151

Ion Ratio Lower Upper

63 100

41 70.7 51.6 77.4

62 74.7 53.5 80.3



#40

1,4-Dioxane

Concen: 3.210 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

Tgt Ion: 88 Resp: 120579

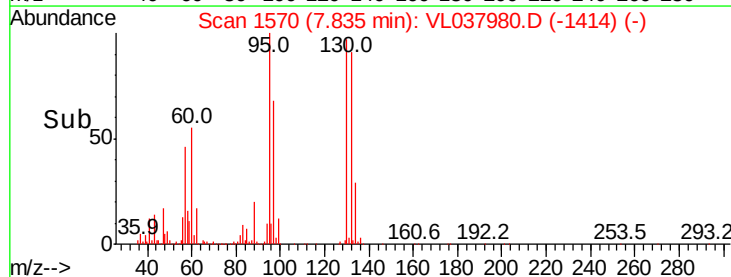
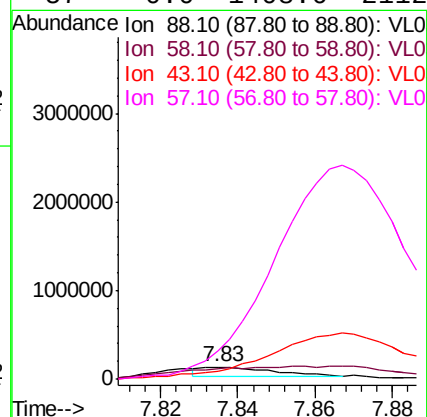
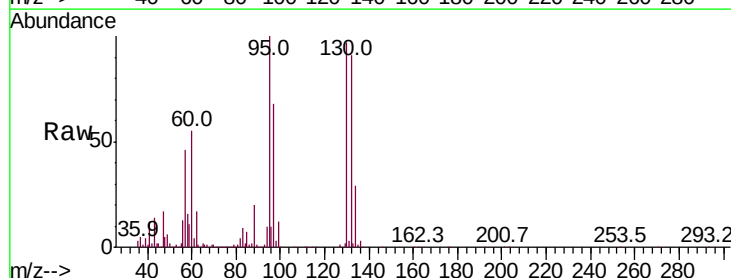
Ion Ratio Lower Upper

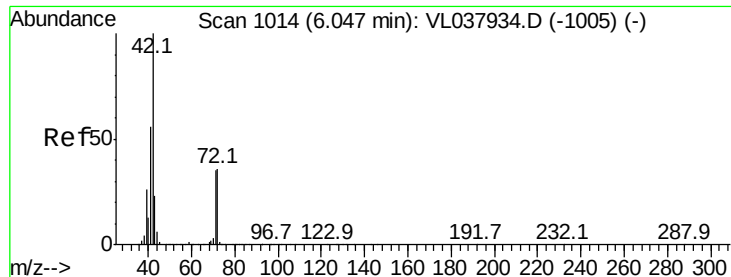
88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

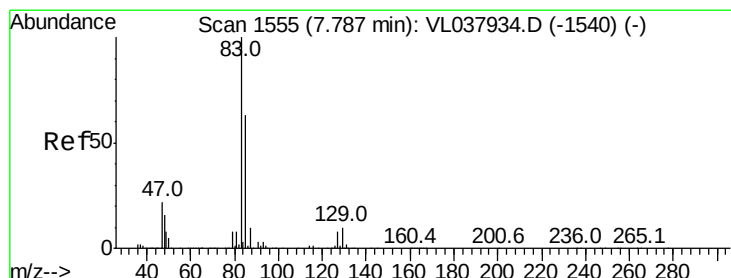
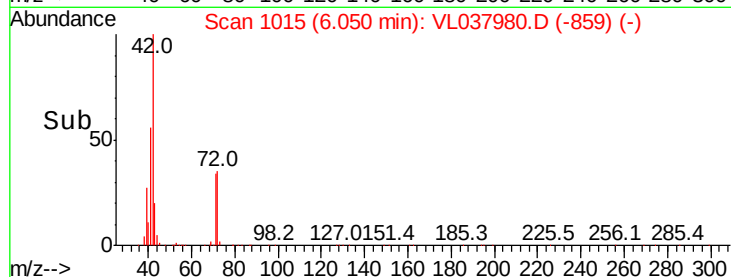
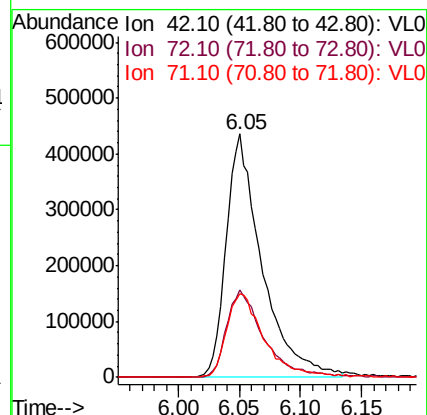
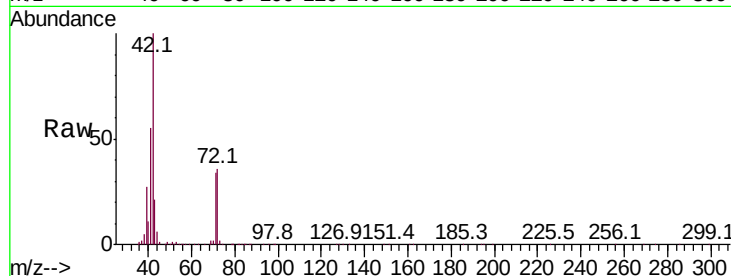
57 0.0 1408.6 2112.8#





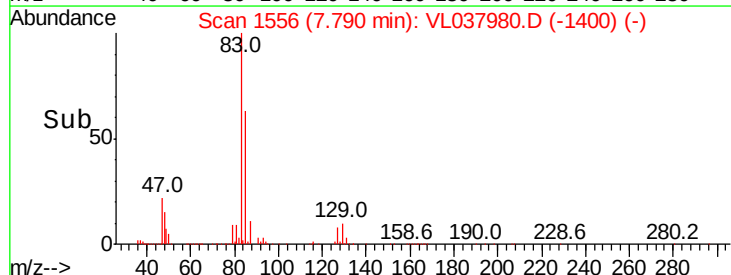
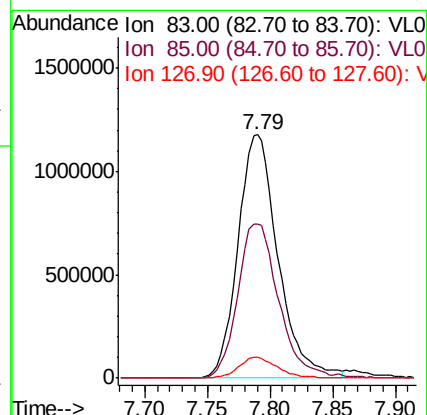
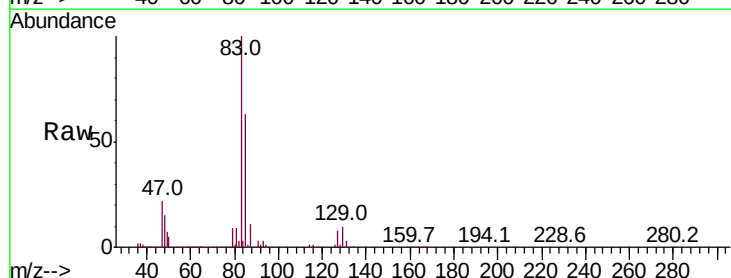
#41  
Tetrahydrofuran  
Concen: 10.561 ppbv  
RT: 6.05  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 891202 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 38.0  | 31.5  | 47.3   |
| 71       | 37.2  | 30.5  | 45.7   |

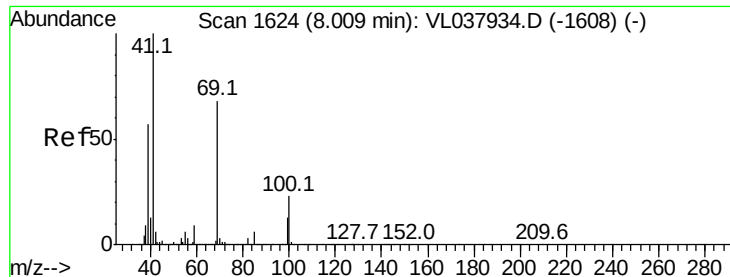


#42  
Bromodichloromethane  
Concen: 9.592 ppbv  
RT: 7.79 min Scan# 1556  
Delta R.T.: 0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 83    | Resp: | 2613379 |
| Ion      | Ratio | Lower | Upper   |
| 83       | 100   |       |         |
| 85       | 63.4  | 50.1  | 75.1    |
| 127      | 8.3   | 6.1   | 9.1     |



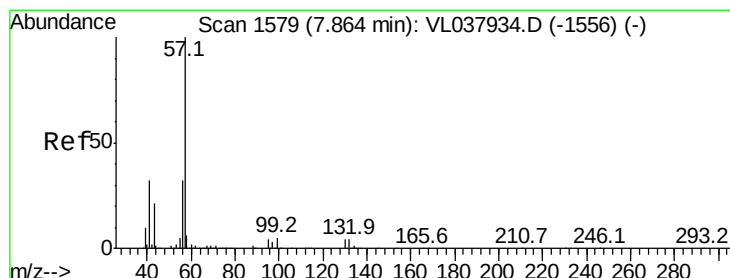
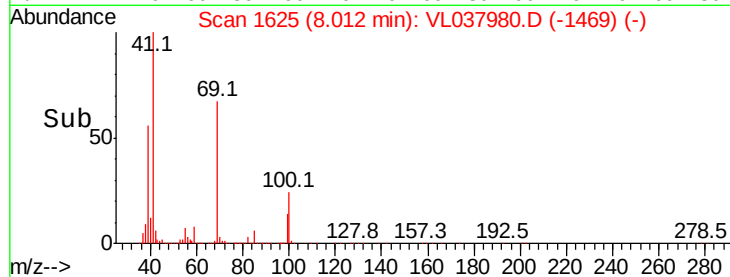
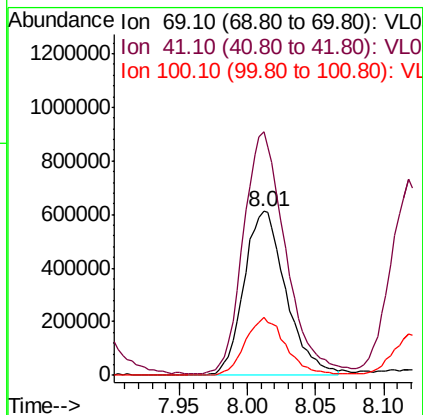
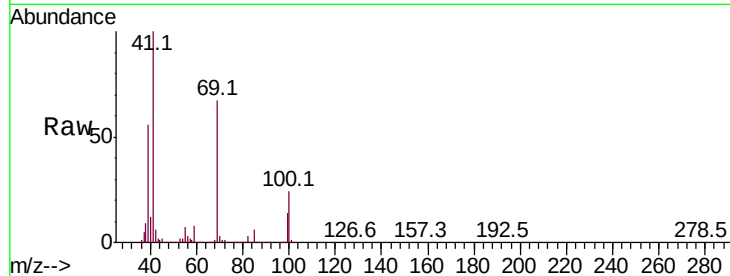




#43  
Methyl Methacrylate  
Concen: 10.575 ppbv  
RT: 8.01  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

Tot Ion: 69 Resp: 1315596  

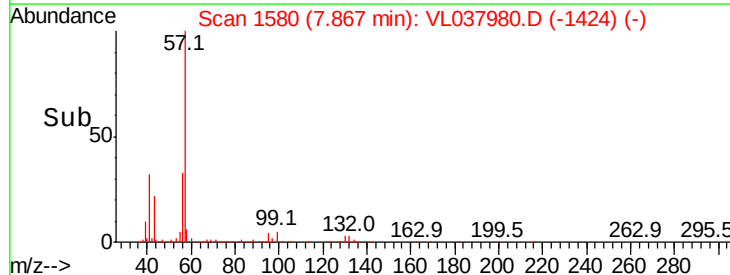
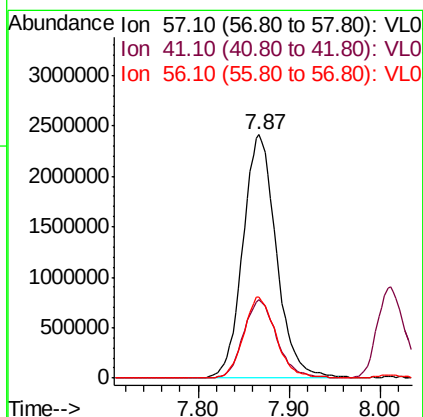
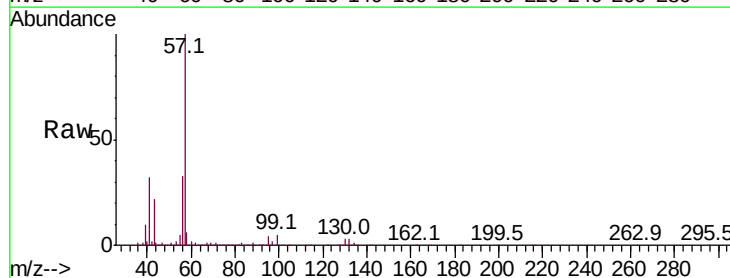
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 149.1 | 117.4 | 176.2 |
| 100 | 34.3  | 27.8  | 41.6  |

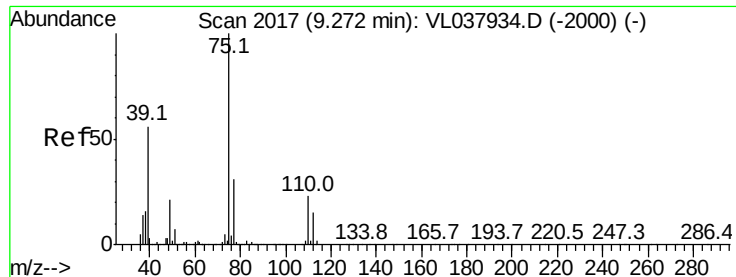


#44  
2,2,4-Trimethylpentane  
Concen: 9.556 ppbv  
RT: 7.87 min Scan# 1580  
Delta R.T.: 0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion: 57 Resp: 6160579  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 31.9  | 25.8  | 38.8  |
| 56  | 32.2  | 25.9  | 38.9  |





#45

t-1,3-Dichloropropene

Concen: 11.503 ppbv

RT: 9.28 Instrument : MSVOA\_1

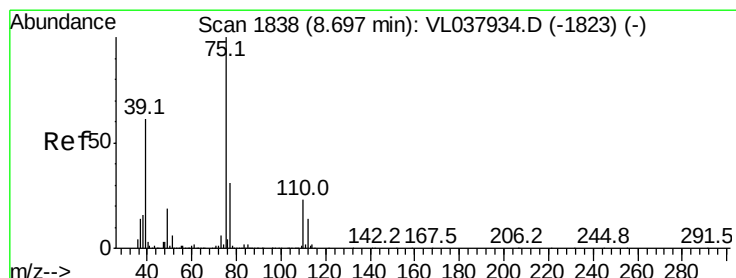
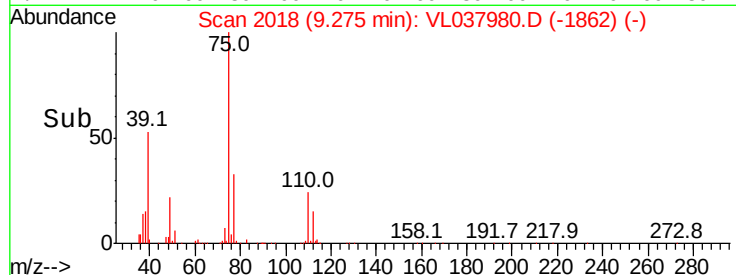
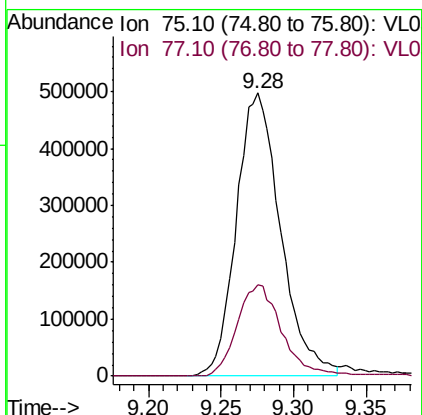
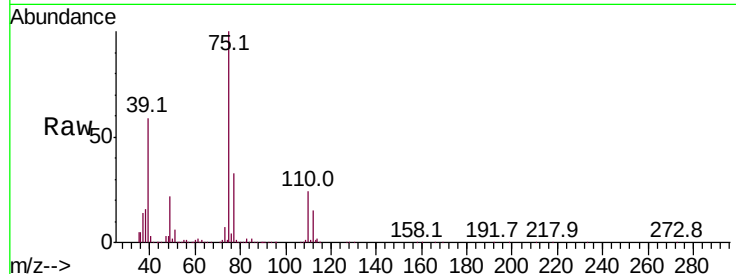
Delta R.T. ClientSampleId :

Lab File:

Acq: 9 Nov 2021 14:31

Tot Ion: 75 Resp: 1051548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.5  | 25.2  | 37.8  |



#46

cis-1,3-Dichloropropene

Concen: 11.260 ppbv

RT: 8.70 min Scan# 1839

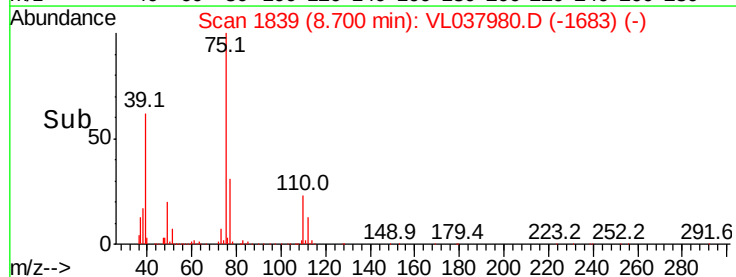
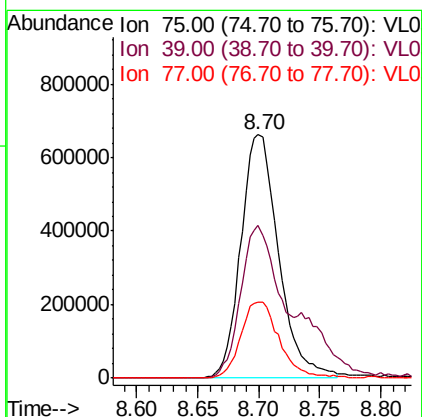
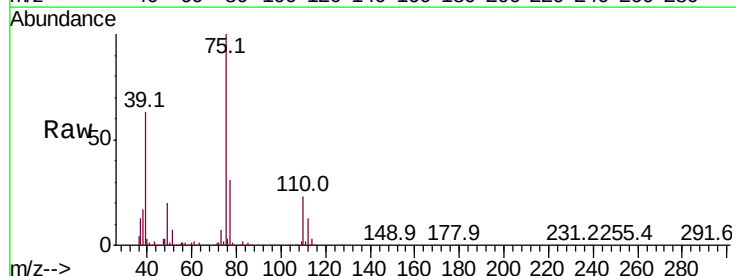
Delta R.T. 0.00 min

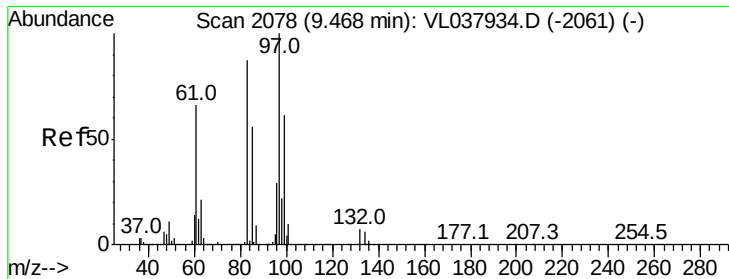
Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

Tgt Ion: 75 Resp: 1415237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 39  | 62.7  | 48.8  | 73.2  |
| 77  | 31.3  | 24.6  | 36.8  |





#47

1,1,2-Trichloroethane

Concen: 9.074 ppbv

RT: 9.47 Instrument:

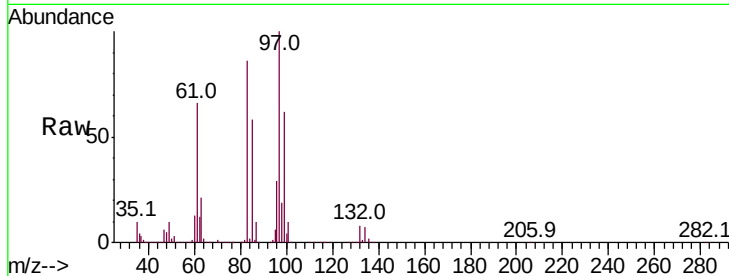
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Nov 2021 14:31

Tot Ion: 97 Resp: 1453977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.3  | 69.4  | 104.2 |
| 85  | 57.7  | 45.0  | 67.6  |
| 99  | 62.0  | 48.7  | 73.1  |

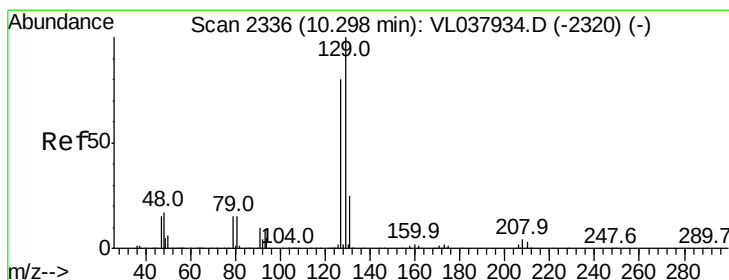
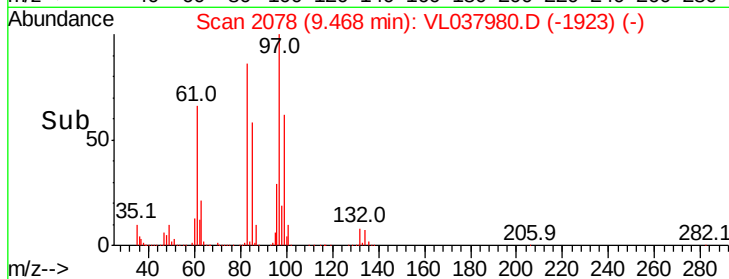
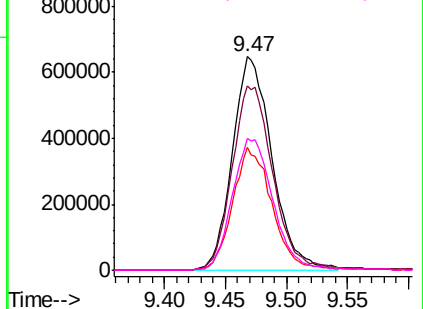


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.972 ppbv

RT: 10.30 min Scan# 2337

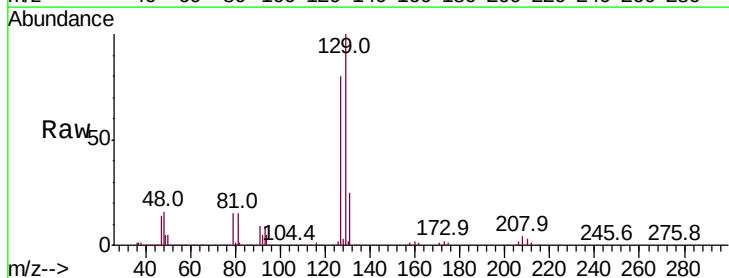
Delta R.T. 0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

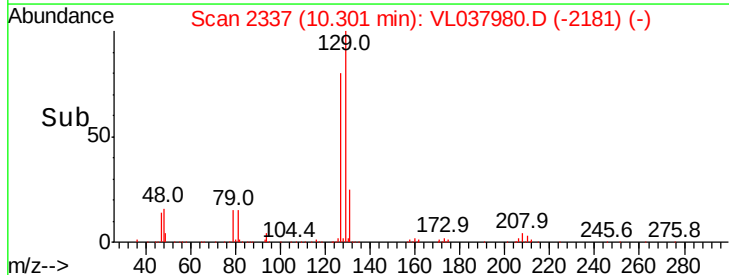
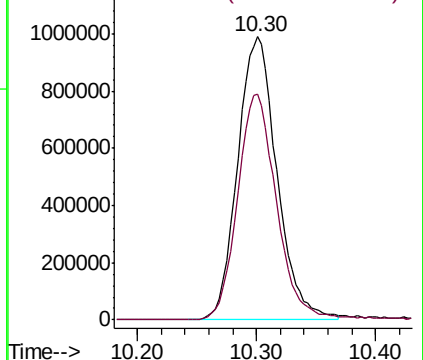
Tgt Ion: 129 Resp: 2262278

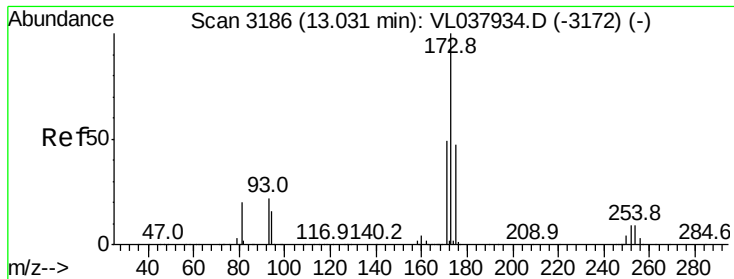
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 80.0  | 40.3  | 120.9 |



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.875 ppbv

RT: 13.03

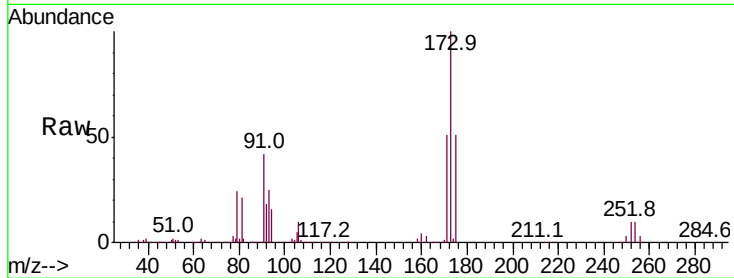
Delta R.T. MSVOA\_L

Lab File:

Acq: 9 Nov 2021 14:31

Tot Ion:173 Resp: 1770917

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 50.8  | 39.5  | 59.3  |
| 171 | 54.3  | 43.6  | 65.4  |

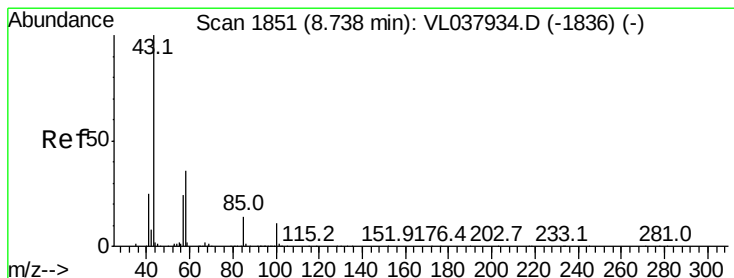
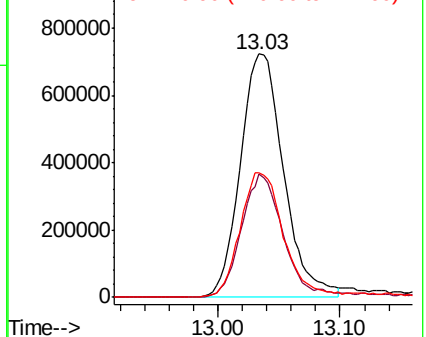
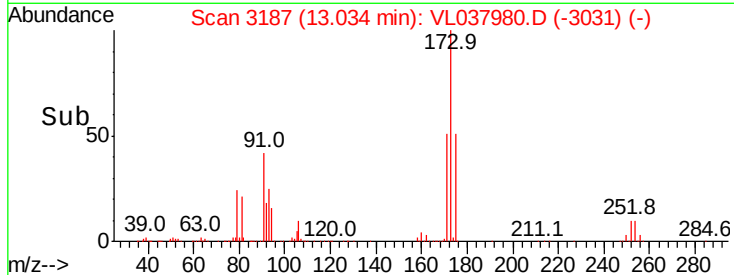


Abundance

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: 10.196 ppbv

RT: 8.74 min Scan# 1851

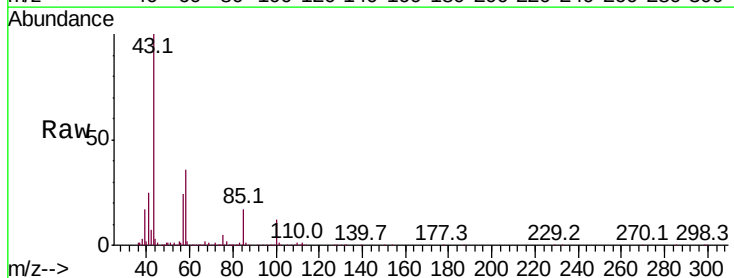
Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

Tgt Ion: 43 Resp: 2310402

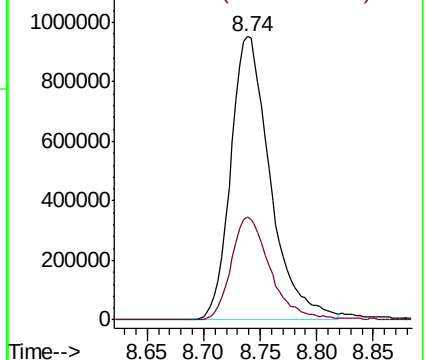
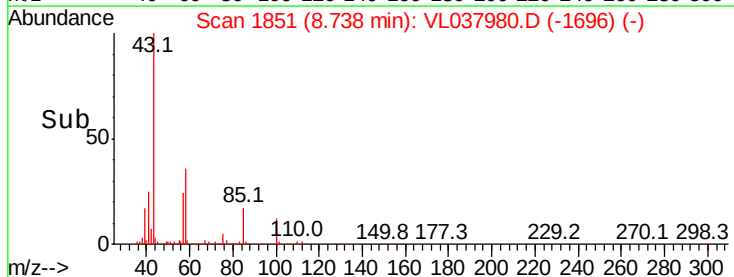
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 36.6  | 28.8  | 43.2  |

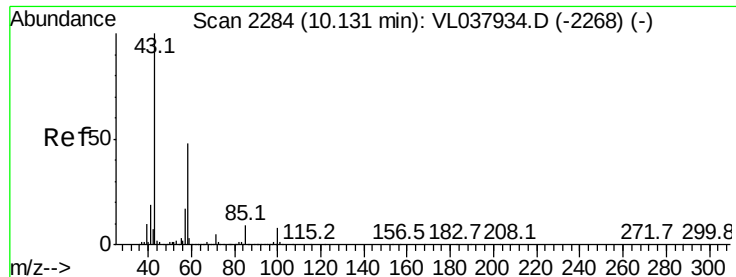


Abundance

Ion 43.10 (42.80 to 43.80): VL0

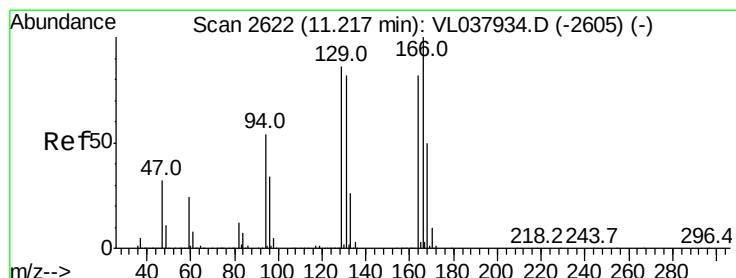
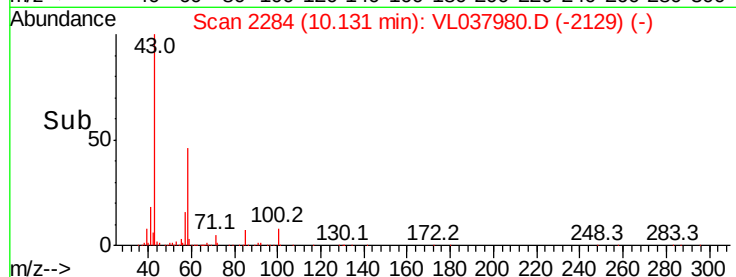
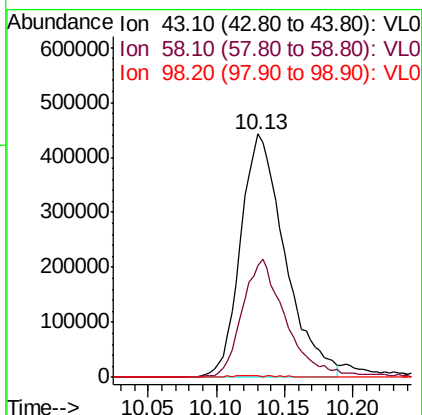
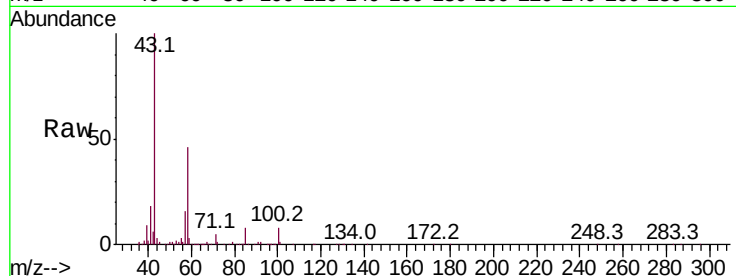
Ion 58.10 (57.80 to 58.80): VL0





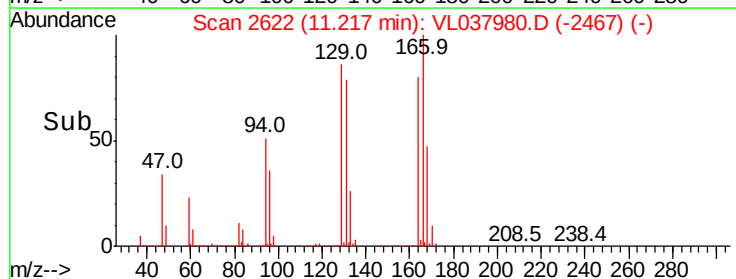
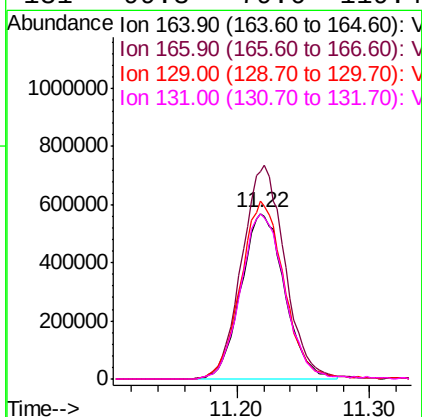
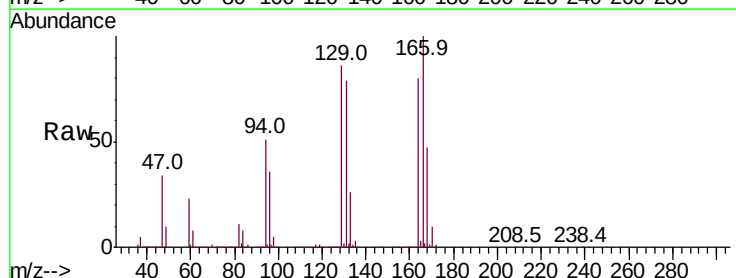
#51  
2-Hexanone  
Concen: 10.462 ppbv  
RT: 10.13 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 9 Nov 2021 14:31

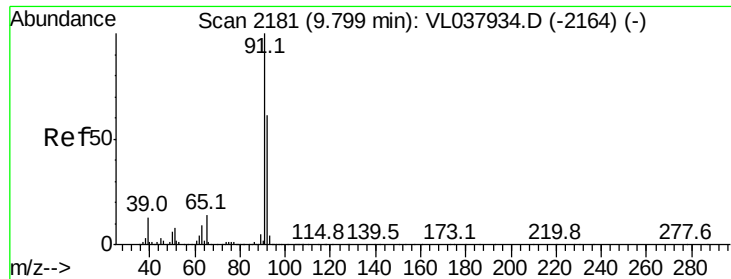
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 48.9  | 38.6  | 57.8  |
| 98      | 0.8   | 1.0   | 1.4#  |



#52  
Tetrachloroethene  
Concen: 9.030 ppbv  
RT: 11.22 min Scan# 2622  
Delta R.T. -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.2 | 97.6  | 146.4 |
| 129     | 107.2 | 84.2  | 126.2 |
| 131     | 99.3  | 79.6  | 119.4 |





#53

Toluene

Concen: 10.325 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

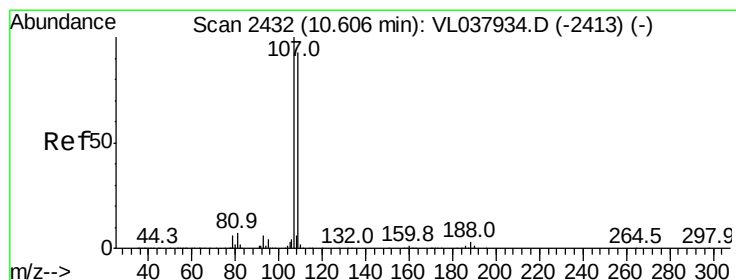
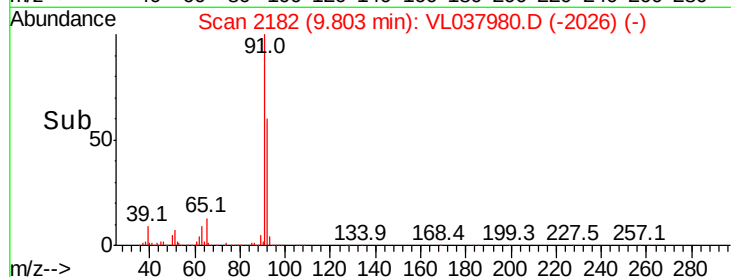
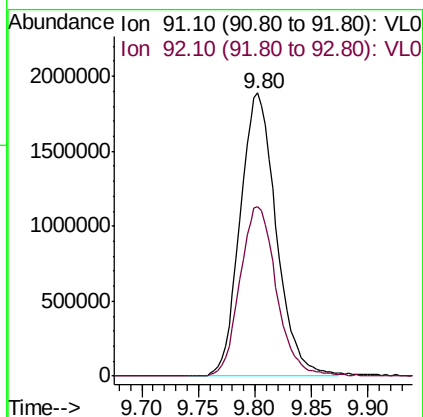
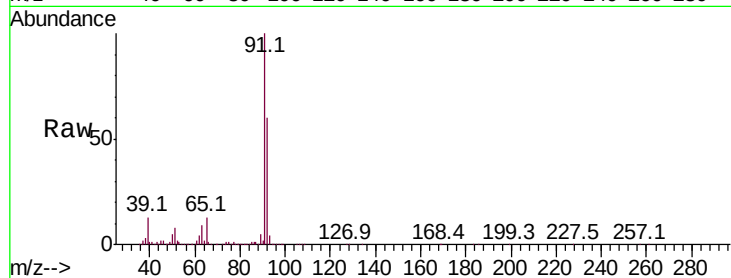
Acq: 9 Nov 2021 14:31

Tot Ion: 91 Resp: 4195640

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.987 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL037980.D

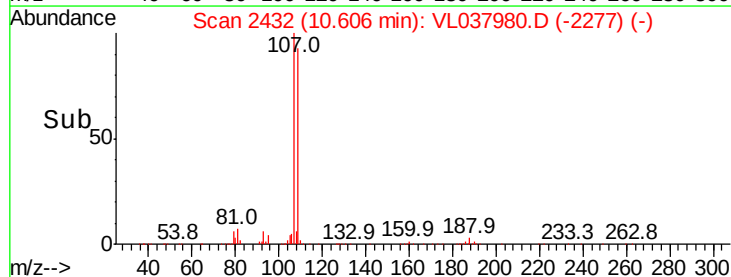
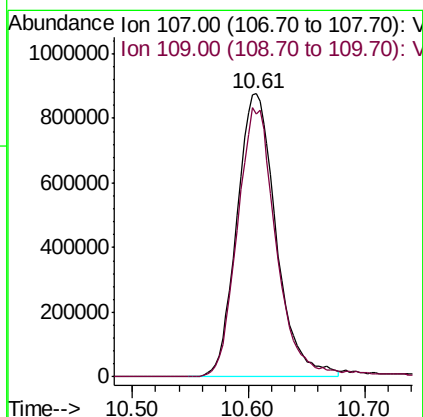
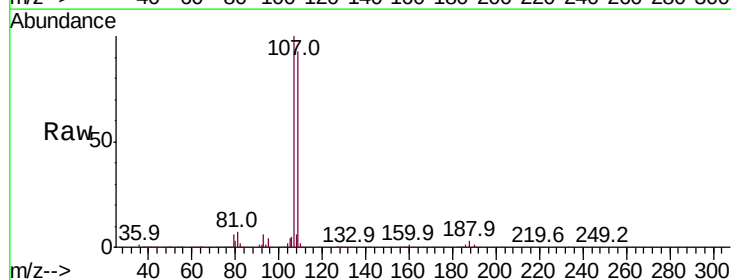
Acq: 9 Nov 2021 14:31

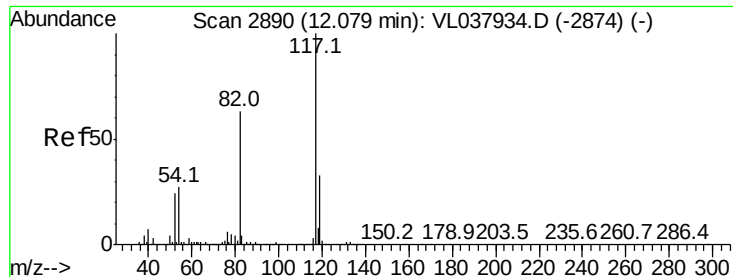
Tgt Ion: 107 Resp: 2063874

Ion Ratio Lower Upper

107 100

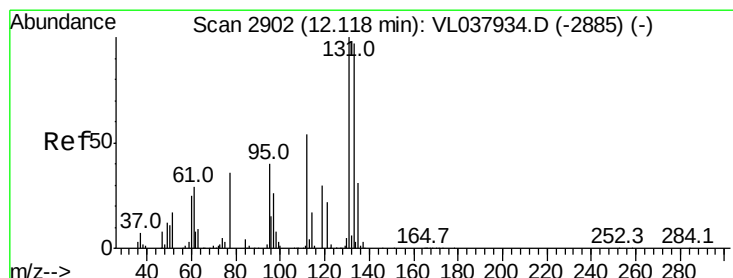
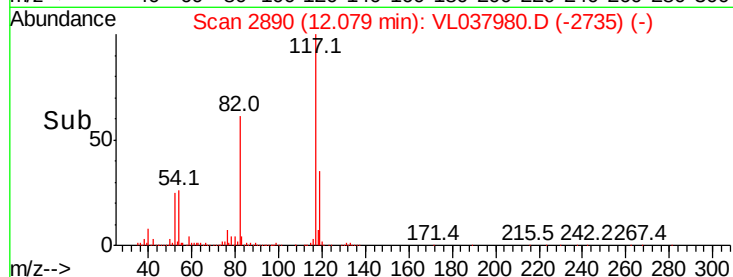
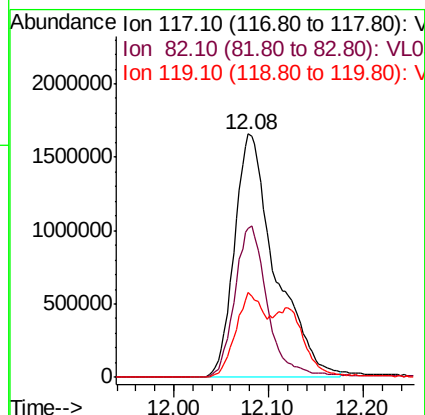
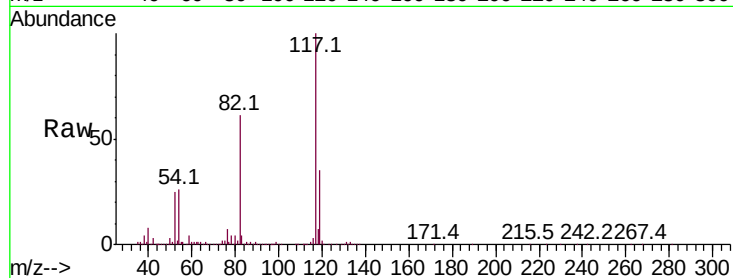
109 92.6 74.5 111.7





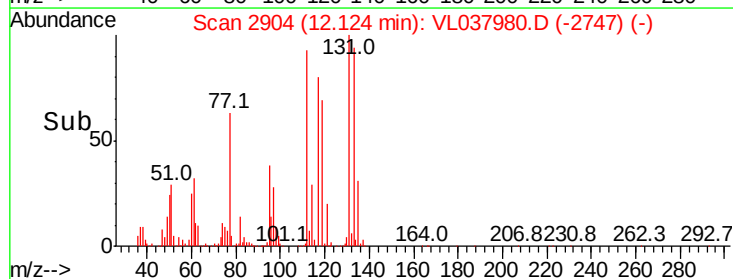
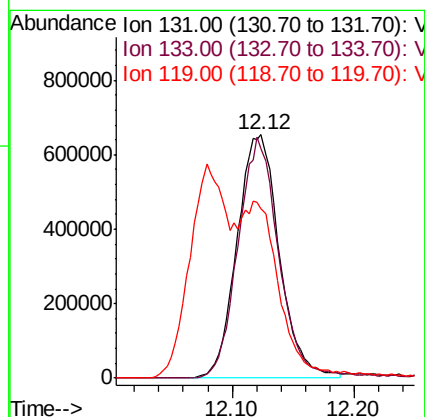
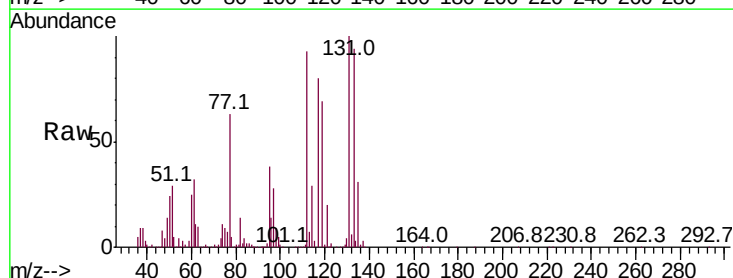
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

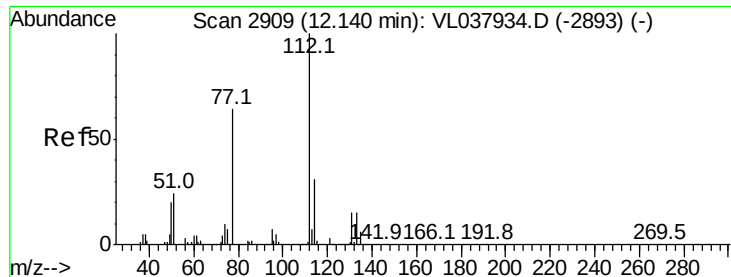
Tot Ion:117 Resp: 4974558  
Ion Ratio Lower Upper  
117 100  
82 51.2 51.0 76.6  
119 23.5 26.9 40.3#



#56  
1,1,1,2-Tetrachloroethane  
Concen: 7.770 ppbv  
RT: 12.12 min Scan# 2904  
Delta R.T. 0.01 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion:131 Resp: 1560535  
Ion Ratio Lower Upper  
131 100  
133 96.7 79.6 119.4  
119 151.2 125.4 188.2

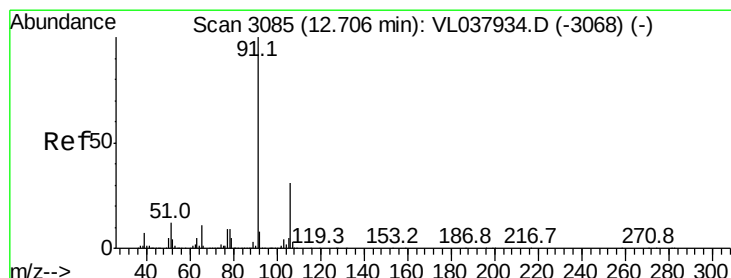
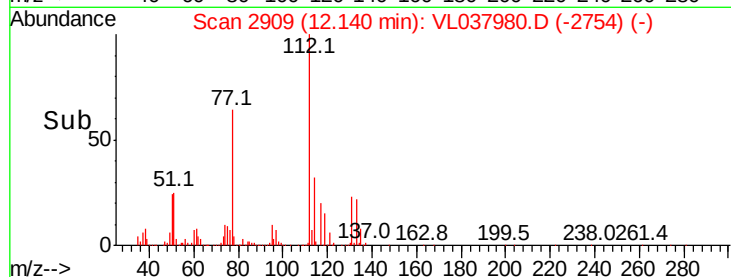
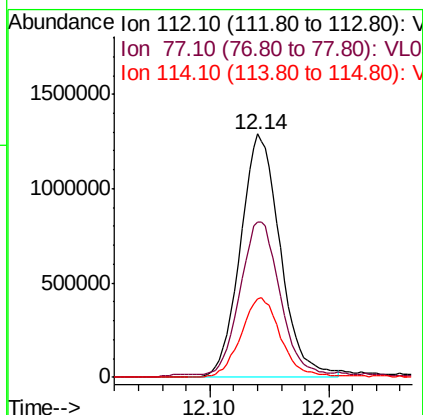
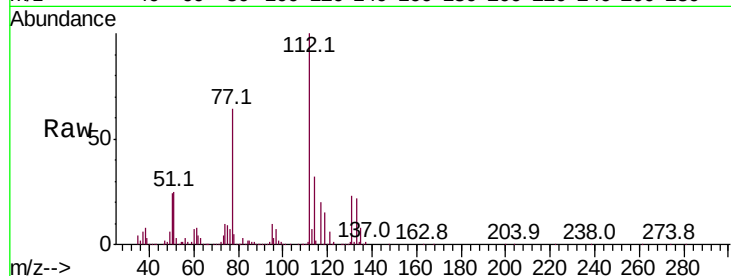




#57  
Chlorobenzene  
Concen: 7.527 ppbv  
RT: 12.14 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

Tot Ion: 112 Resp: 2988798

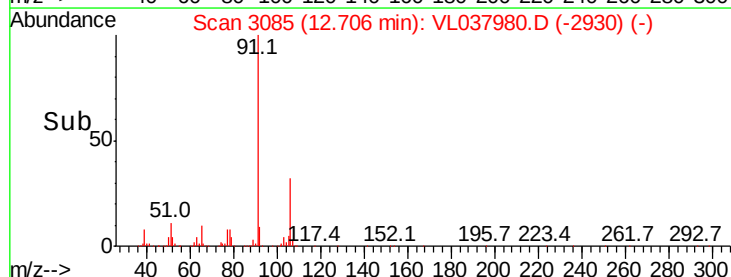
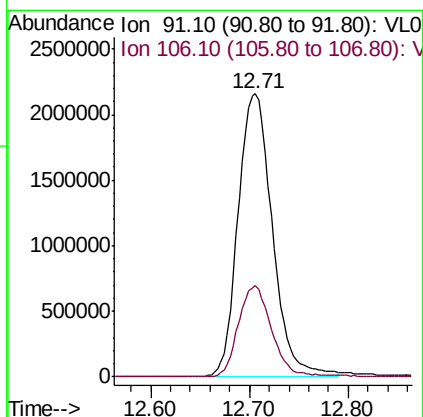
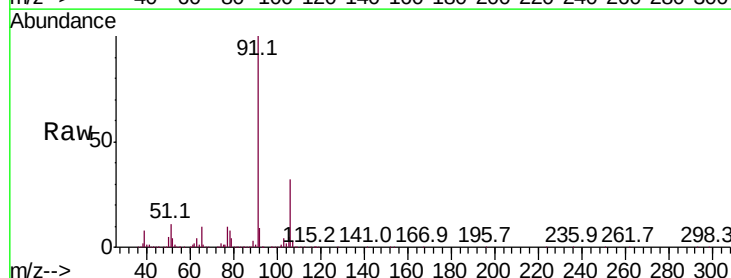
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 77  | 62.7  | 51.1  | 76.7  |
| 114 | 31.9  | 27.9  | 34.1  |



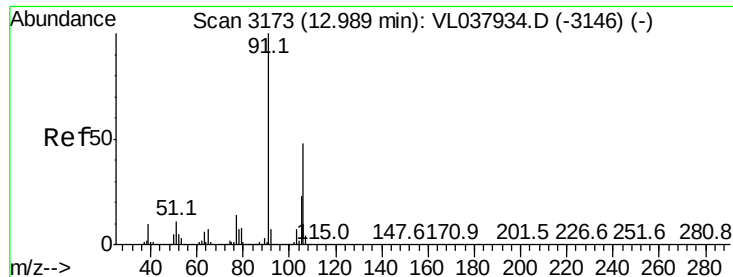
#58  
Ethyl Benzene  
Concen: 8.576 ppbv  
RT: 12.71 min Scan# 3085  
Delta R.T.: -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion: 91 Resp: 5217225

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 32.3  | 25.1  | 37.7  |

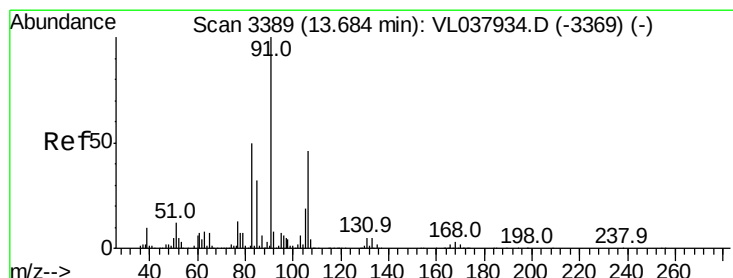
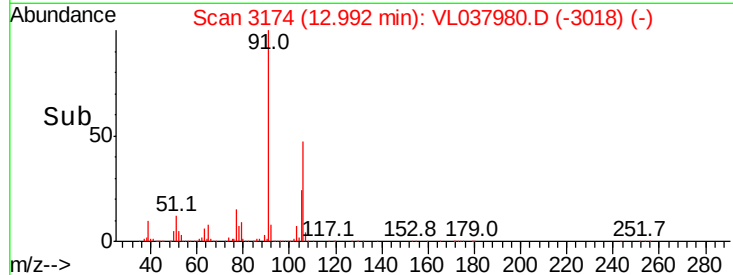
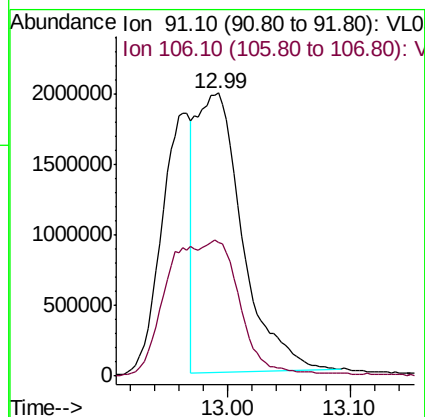
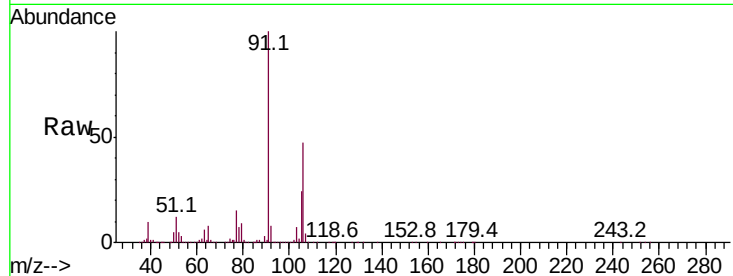






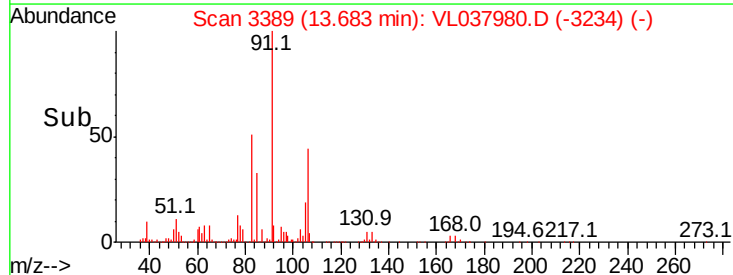
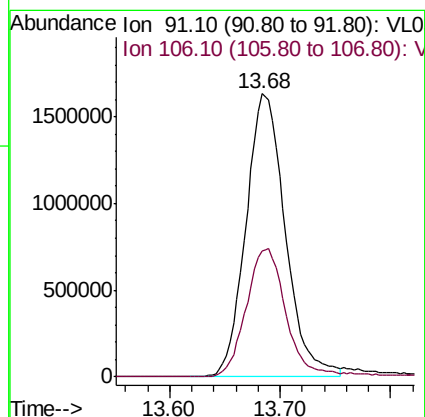
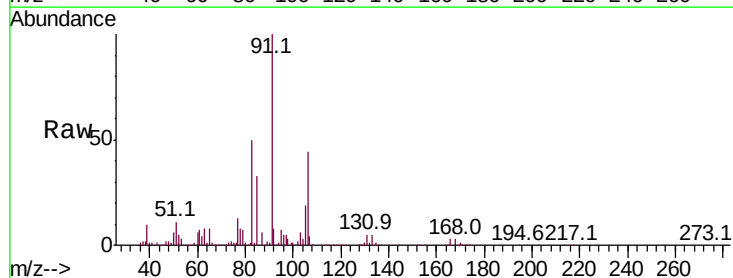
#59  
m/p-Xylene  
Concen: 9.683 ppbv  
RT: 12.99  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

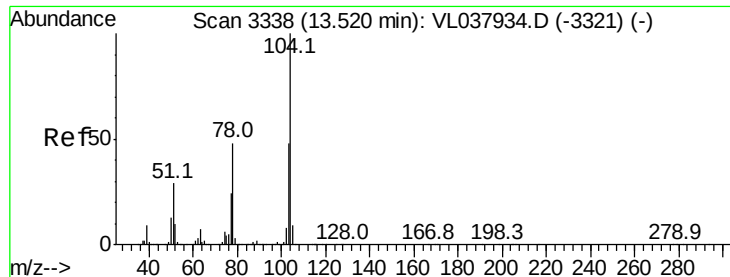
Tot Ion: 91 Resp: 5235431  
Ion Ratio Lower Upper  
91 100  
106 77.8 37.1 55.7#



#60  
o-Xylene  
Concen: 7.892 ppbv  
RT: 13.68 min Scan# 3389  
Delta R.T. -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion: 91 Resp: 4023172  
Ion Ratio Lower Upper  
91 100  
106 47.0 23.5 70.6

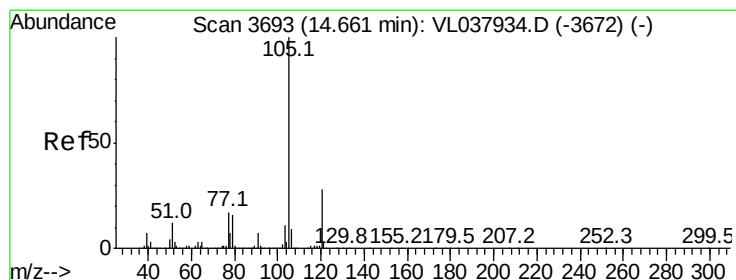
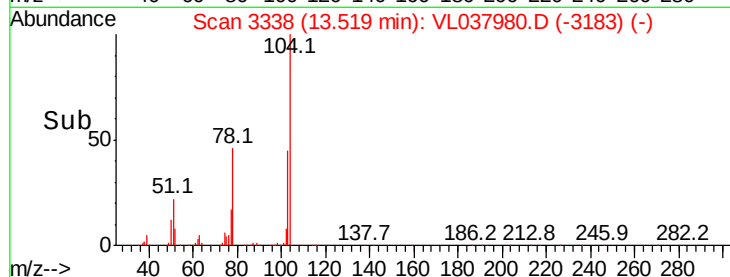
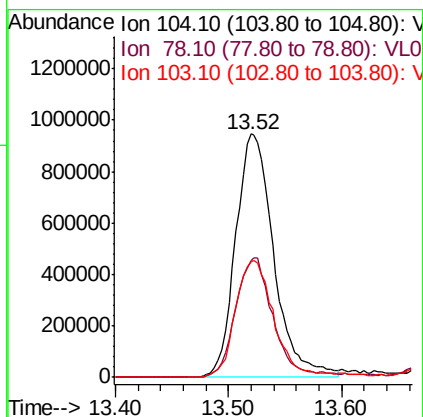
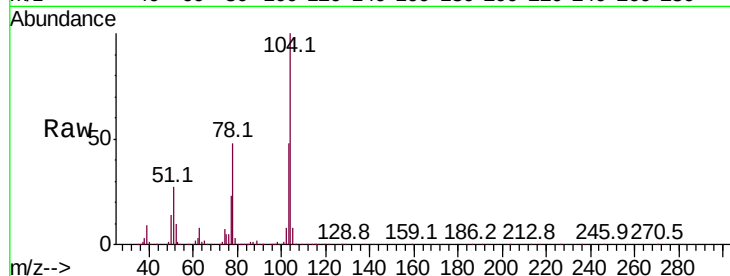




#61  
Stvrene  
Concen: 9.503 ppbv  
RT: 13.52 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

Tot Ion:104 Resp: 2224842

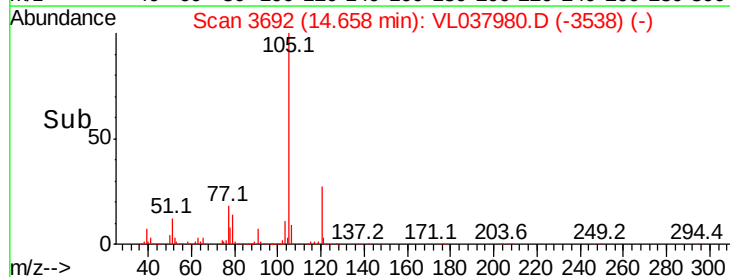
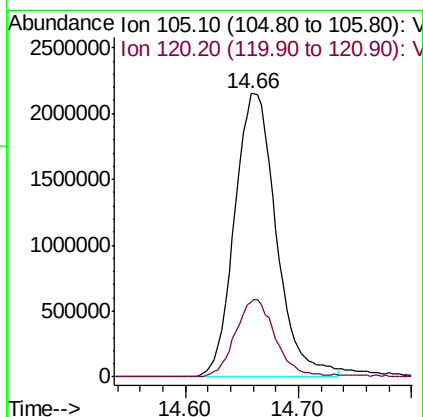
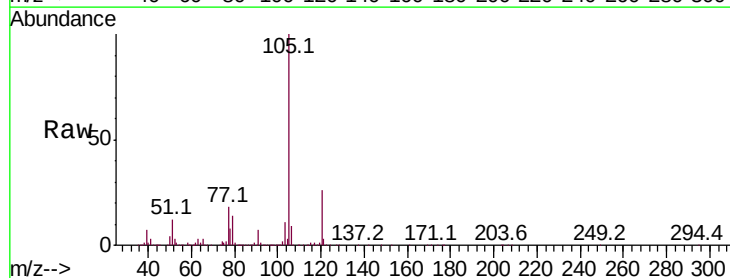
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 49.5  | 39.3  | 58.9  |
| 103 | 49.4  | 39.6  | 59.4  |

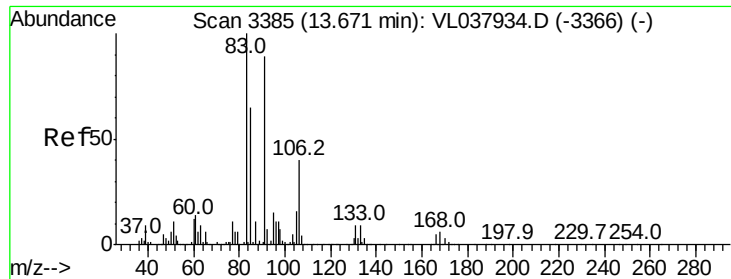


#62  
Isopropylbenzene  
Concen: 7.643 ppbv  
RT: 14.66 min Scan# 3692  
Delta R.T.: -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

Tgt Ion:105 Resp: 5516865

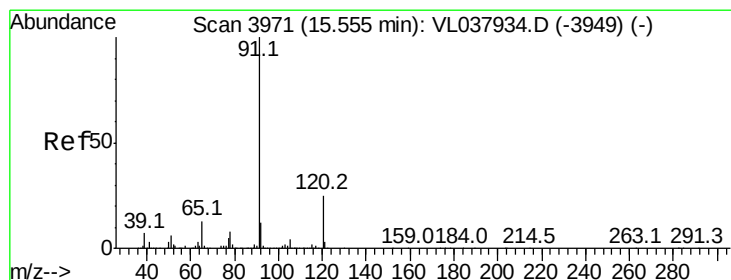
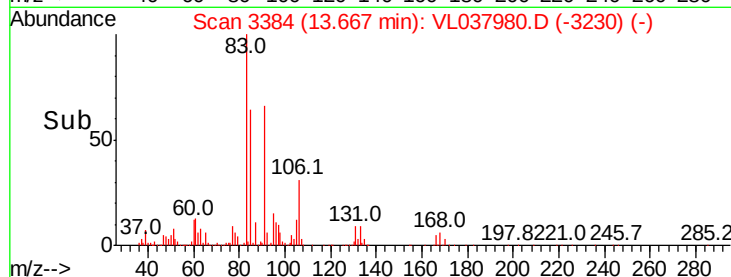
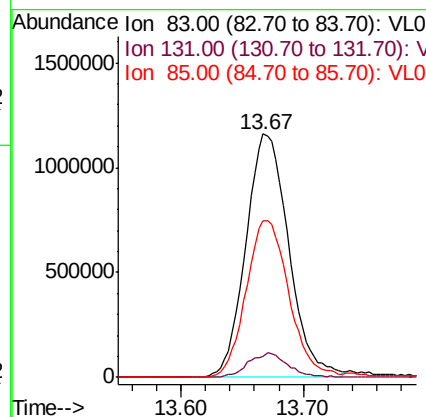
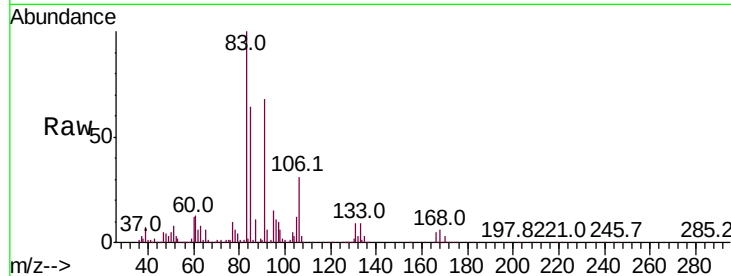
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 27.1  | 21.8  | 32.6  |





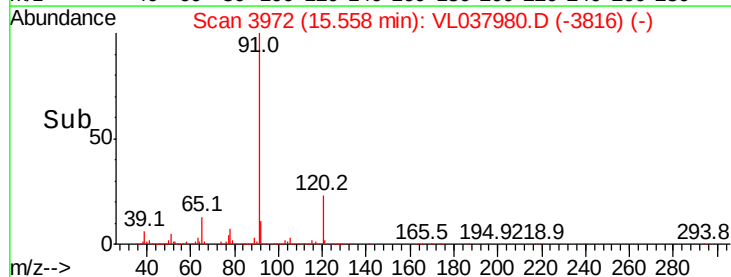
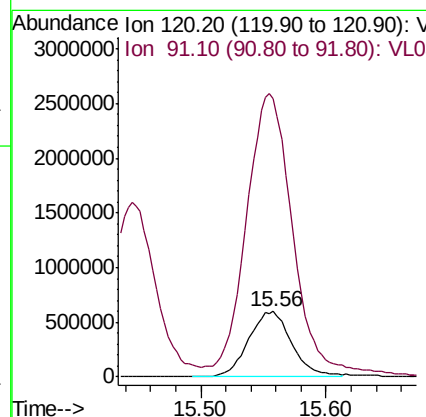
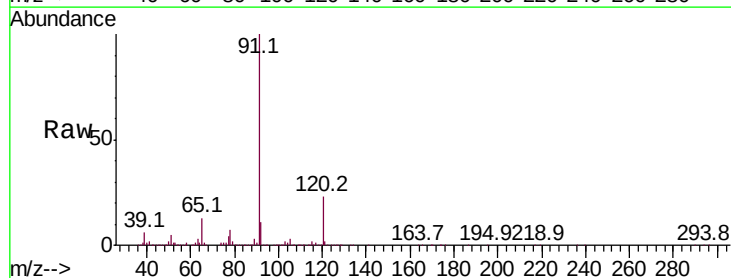
#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 6.399 ppbv  
 RT: 13.67 min  
 Delta R.T. 0.00 min  
 Lab File: VL037934.D  
 Acq: 9 Nov 2021 14:31

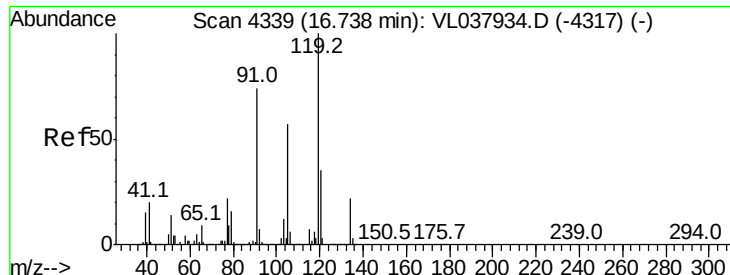
Tot Ion: 83 Resp: 2807609  
 Ion Ratio Lower Upper  
 83 100  
 131 9.5 4.8 14.4  
 85 66.7 32.5 97.5



#64  
 n-propylbenzene  
 Concen: 7.765 ppbv  
 RT: 15.56 min Scan# 3972  
 Delta R.T. 0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

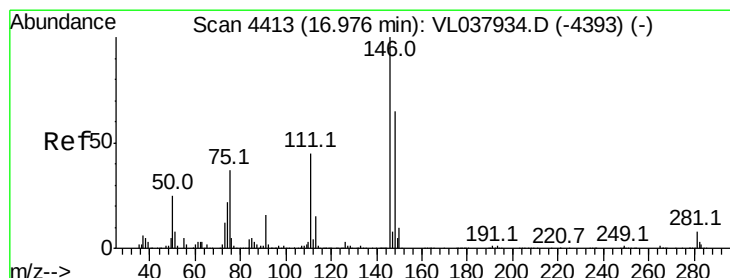
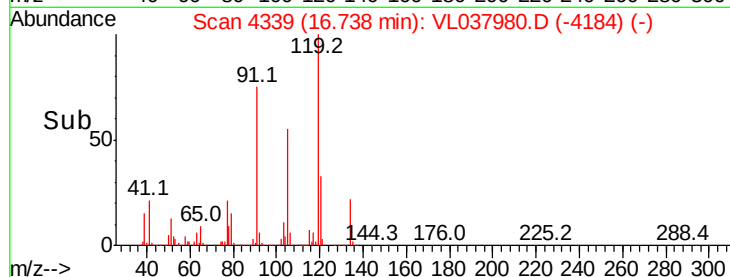
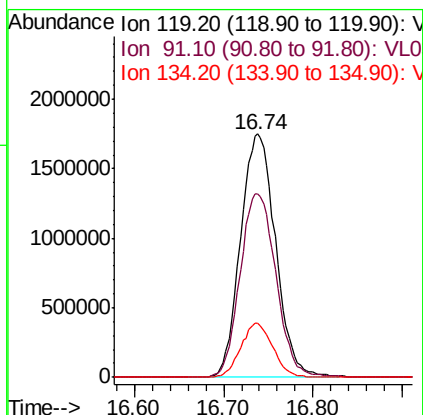
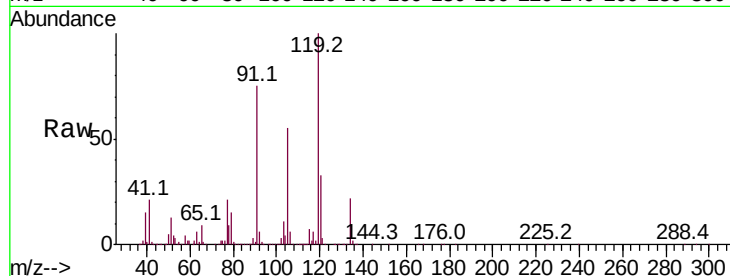
Tgt Ion: 120 Resp: 1436244  
 Ion Ratio Lower Upper  
 120 100  
 91 469.9 363.3 544.9





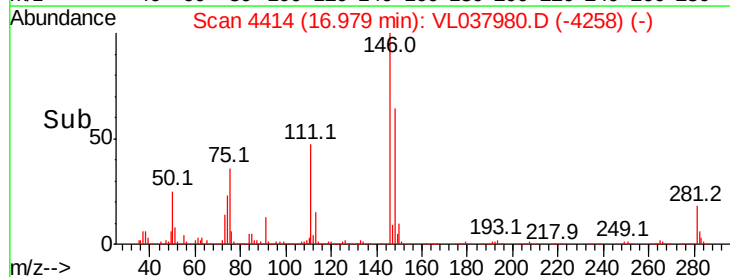
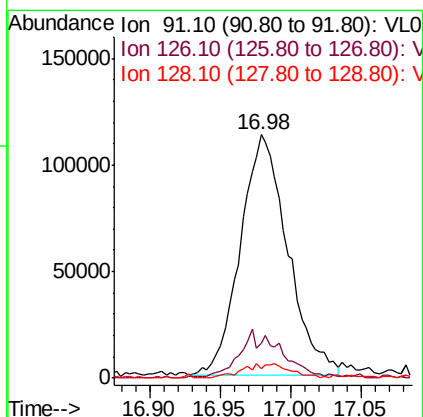
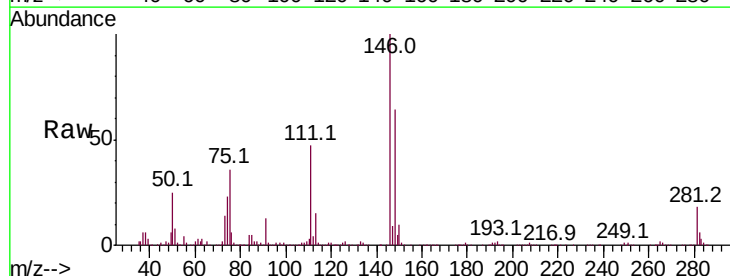
#65  
tert-Butylbenzene  
Concen: 7.476 ppbv  
RT: 16.74 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

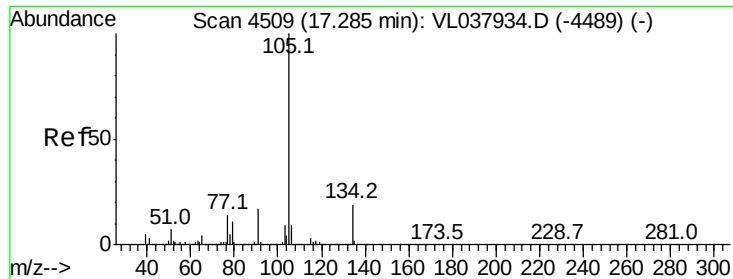
Tot Ion: 119 Resp: 4769292  
Ion Ratio Lower Upper  
119 100  
91 77.3 61.8 92.6  
134 20.4 16.6 25.0



#66  
Benzyl Chloride  
Concen: 7.900 ppbv  
RT: 16.98 min Scan# 4414  
Delta R.T.: 0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

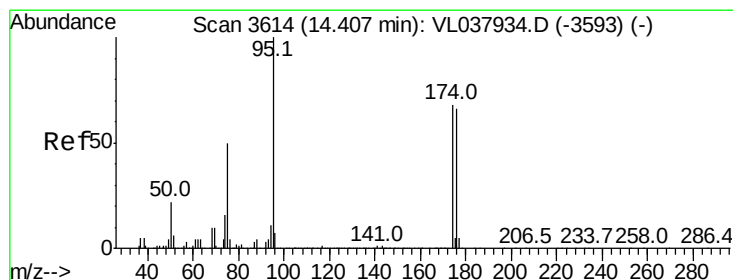
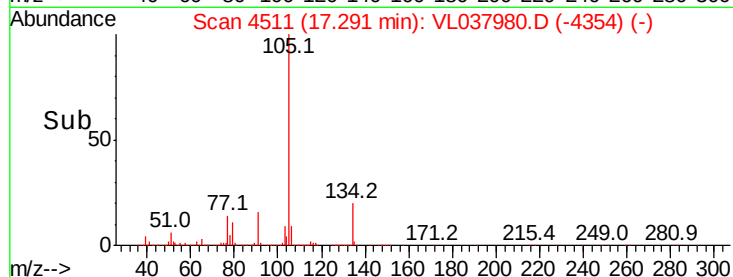
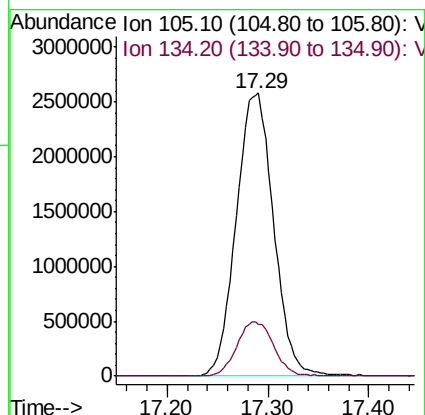
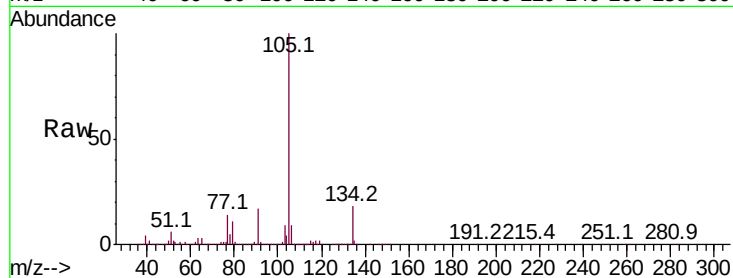
Tgt Ion: 91 Resp: 263329  
Ion Ratio Lower Upper  
91 100  
126 18.7 13.8 20.6  
128 5.6 5.1 7.7





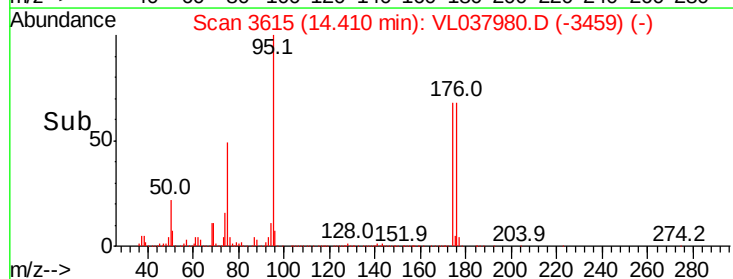
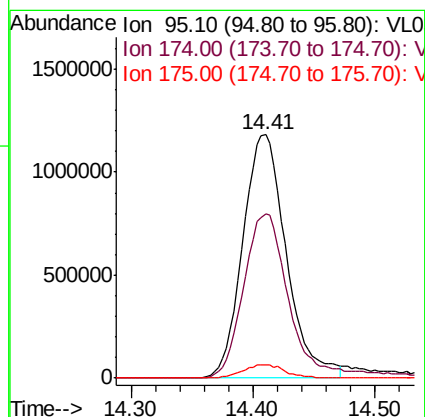
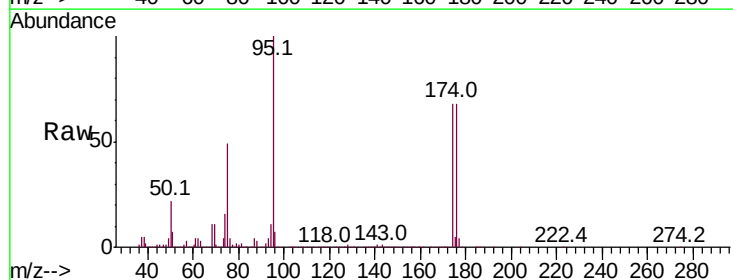
#67  
 sec-Butylbenzene  
 Concen: 7.526 ppbv  
 RT: 17.29 min  
 Delta R.T.: MSVOA\_1  
 Lab File: ClientSampleId :  
 Acq: 9 Nov 2021 14:31

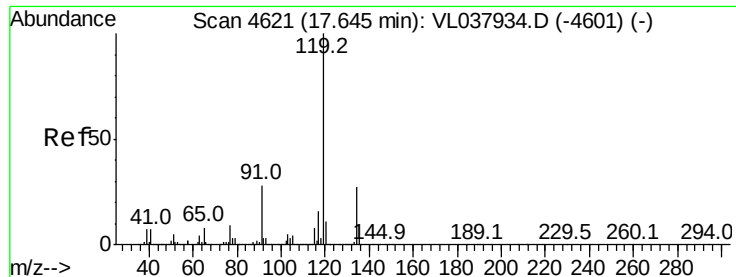
Tot Ion: 105 Resp: 6614348  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 15.4 23.0



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 8.060 ppbv  
 RT: 14.41 min Scan# 3615  
 Delta R.T.: 0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

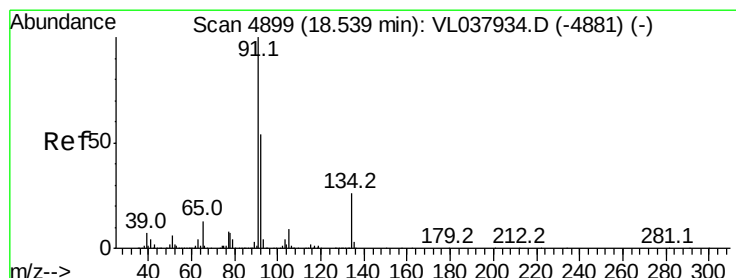
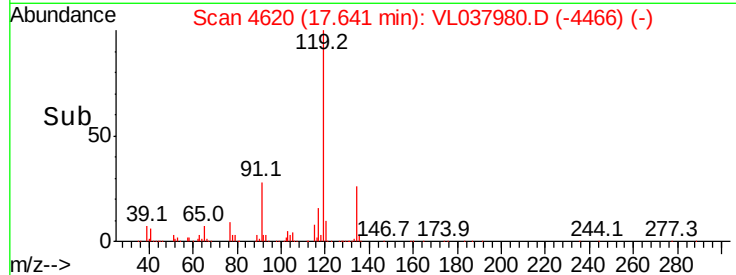
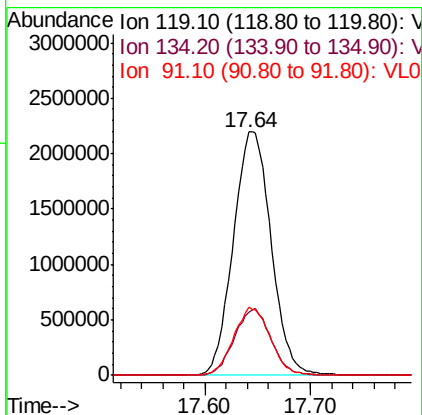
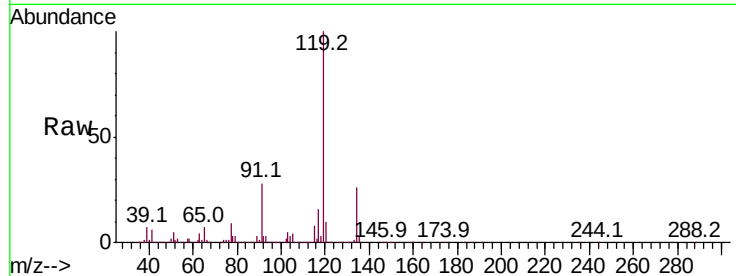
Tgt Ion: 95 Resp: 2914492  
 Ion Ratio Lower Upper  
 95 100  
 174 72.7 58.3 87.5  
 175 5.8 4.6 6.8





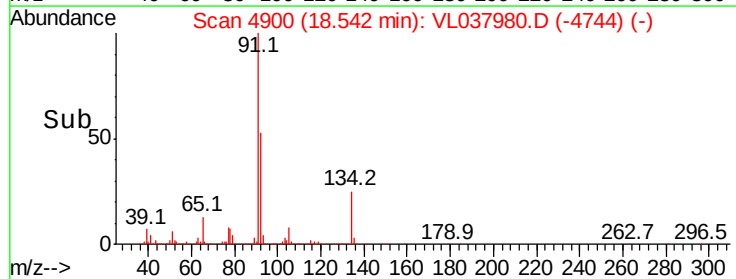
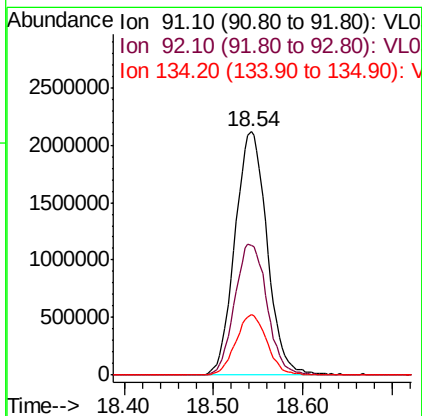
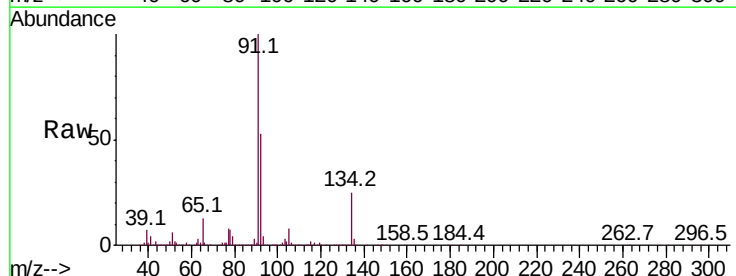
#69  
 p-Isopropyltoluene  
 Concen: 7.755 ppbv  
 RT: 17.64 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 9 Nov 2021 14:31

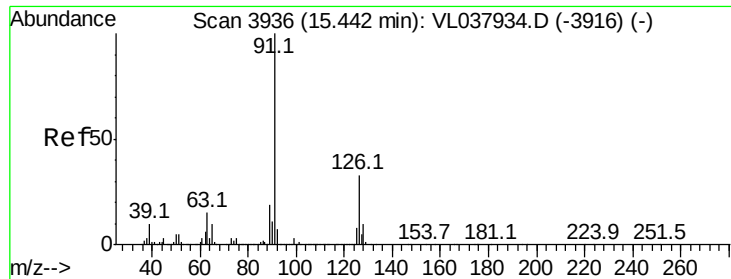
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 119   | Resp: | 5466946 |
| Ion      | Ratio | Lower | Upper   |
| 119      | 100   |       |         |
| 134      | 26.5  | 21.0  | 31.4    |
| 91       | 27.2  | 21.8  | 32.8    |



#70  
 n-Butylbenzene  
 Concen: 8.166 ppbv  
 RT: 18.54 min Scan# 4900  
 Delta R.T.: 0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

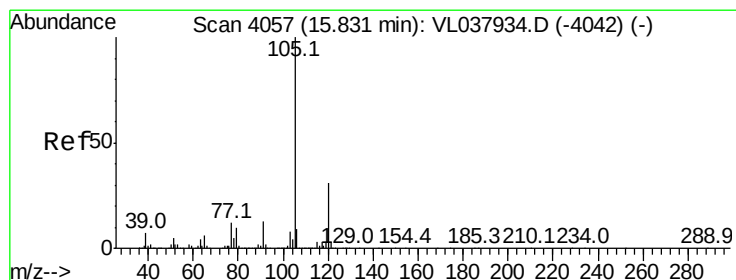
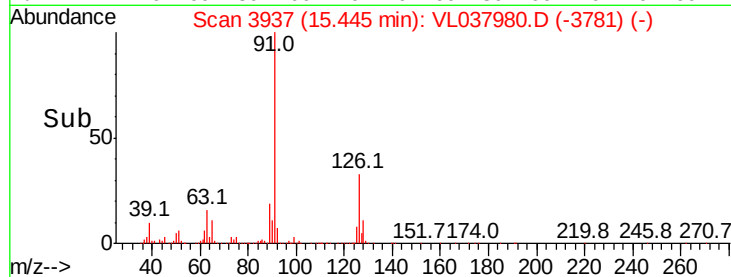
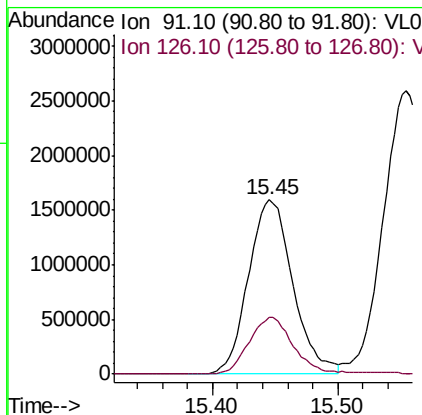
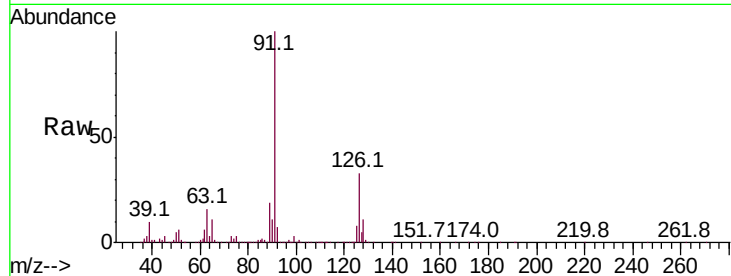
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 5290080 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 92       | 54.4  | 43.6  | 65.4    |
| 134      | 24.3  | 19.8  | 29.6    |





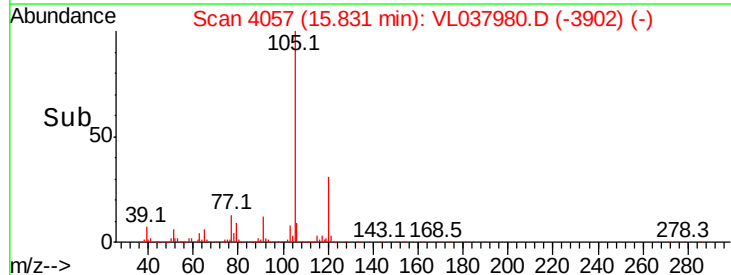
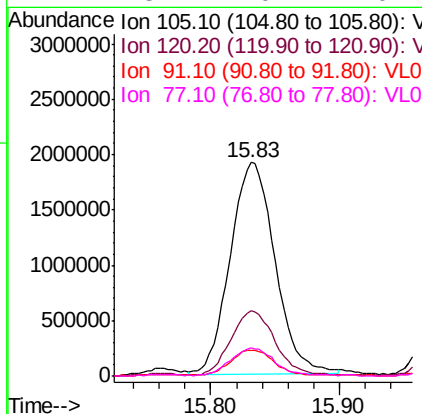
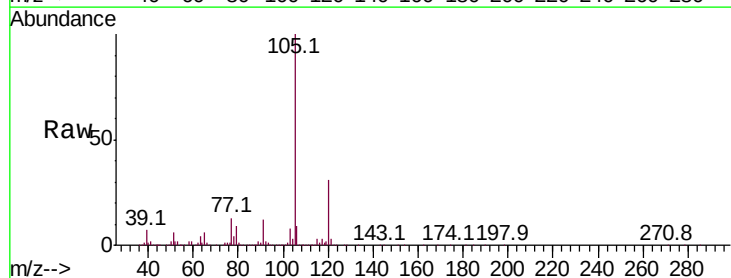
#71  
 2-Chlorotoluene  
 Concen: 7.765 ppbv  
 RT: 15.45 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 9 Nov 2021 14:31

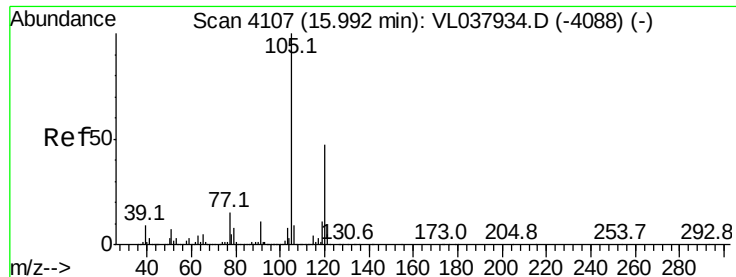
Tot Ion: 91 Resp: 3927085  
 Ion Ratio Lower Upper  
 91 100  
 126 33.8 13.3 53.3



#72  
 4-Ethyltoluene  
 Concen: 7.961 ppbv  
 RT: 15.83 min Scan# 4057  
 Delta R.T. -0.00 min  
 Lab File: VL037980.D  
 Acq: 9 Nov 2021 14:31

Tgt Ion: 105 Resp: 4649572  
 Ion Ratio Lower Upper  
 105 100  
 120 30.7 25.3 37.9  
 91 11.7 9.9 14.9  
 77 13.1 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 7.766 ppbv

RT: 15.99

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

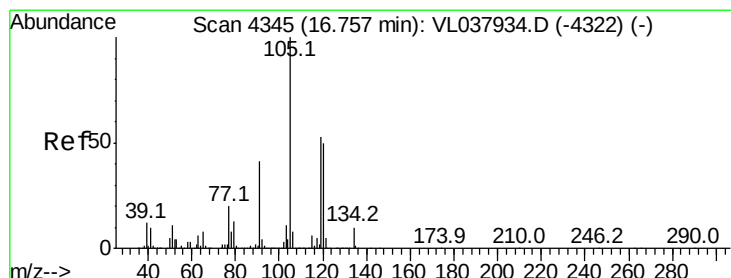
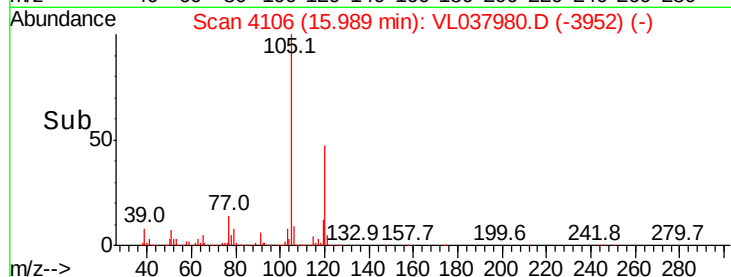
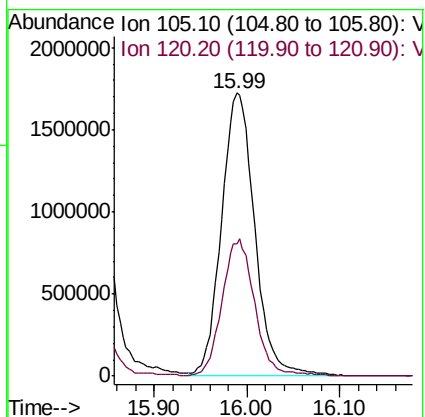
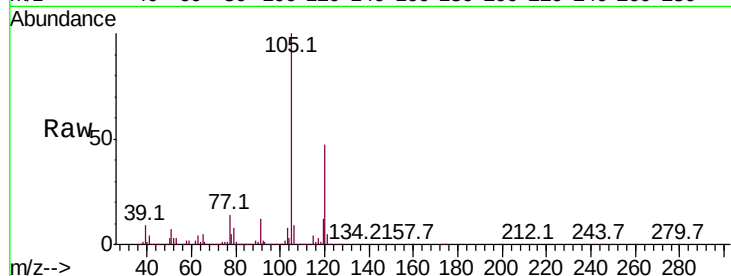
Acq: 9 Nov 2021 14:31

Tot Ion:105 Resp: 4247203

Ion Ratio Lower Upper

105 100

120 46.8 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.497 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

Tgt Ion:105 Resp: 4295459

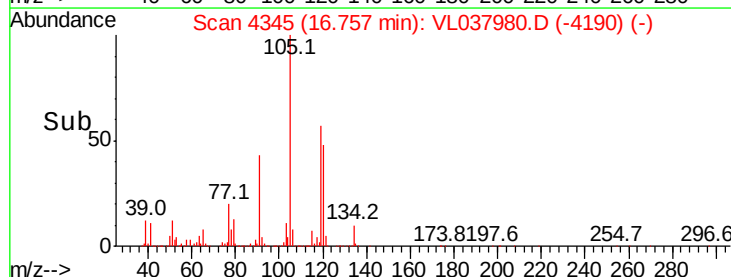
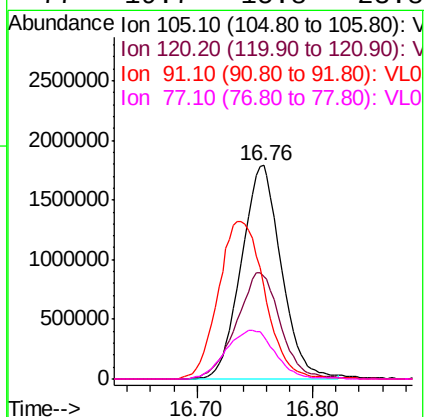
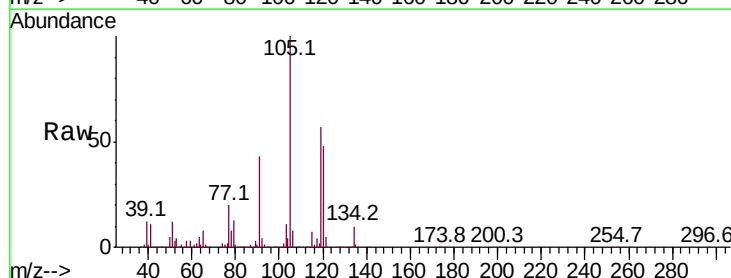
Ion Ratio Lower Upper

105 100

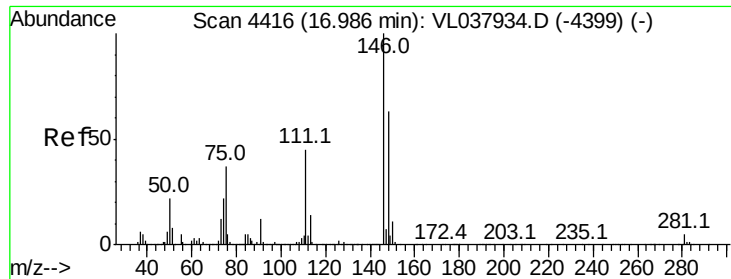
120 47.8 40.0 60.0

91 42.7 32.6 49.0

77 19.7 15.8 23.8







#75

1,3-Dichlorobenzene

Concen: 7.234 ppbv

RT: 16.99

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 9 Nov 2021 14:31

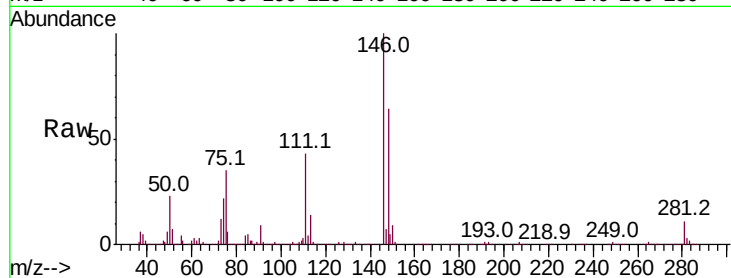
Tot Ion:146 Resp: 2580773

Ion Ratio Lower Upper

146 100

111 45.6 22.7 68.1

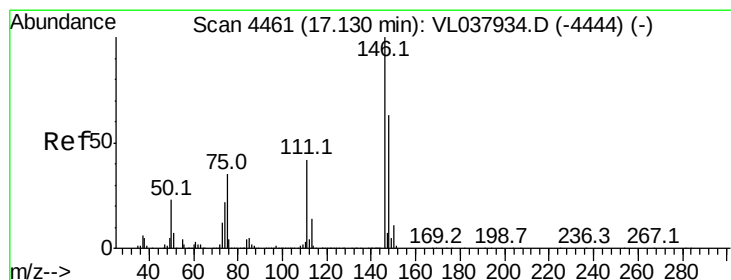
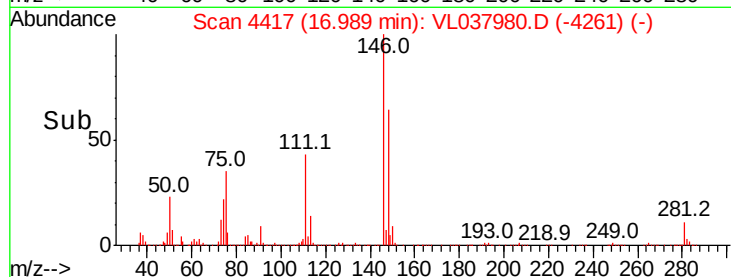
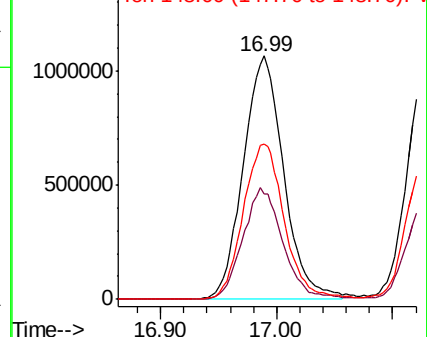
148 65.2 32.4 97.0



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: 7.051 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

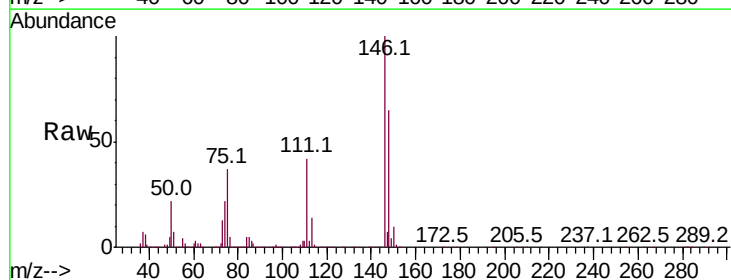
Tgt Ion:146 Resp: 2433922

Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.1

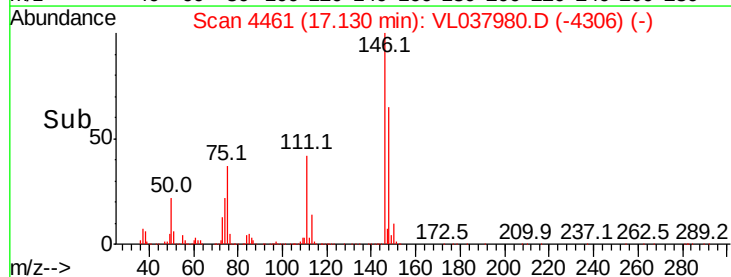
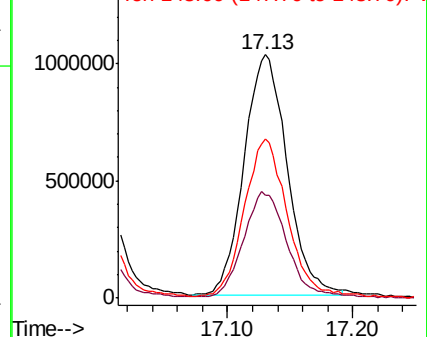
148 67.7 33.5 100.4

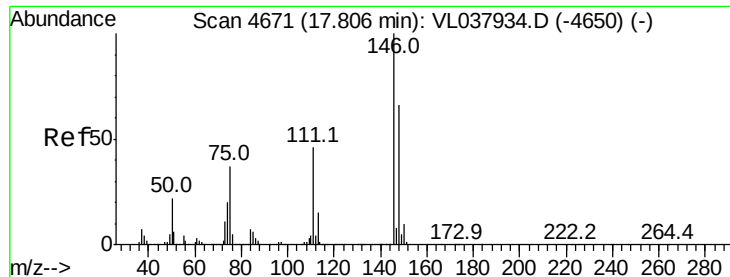


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.289 ppbv

RT: 17.81

Delta R.T. MSVOA\_L

Lab File:

Acq: 9 Nov 2021 14:31

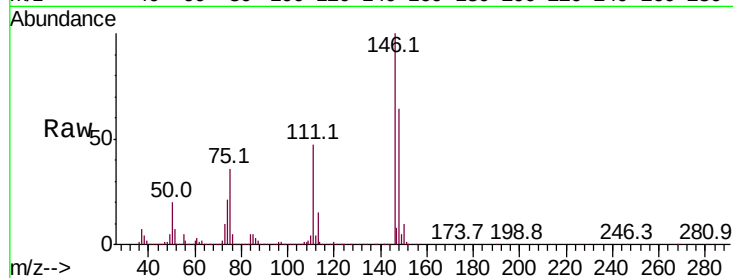
Tot Ion:146 Resp: 2441618

Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.2

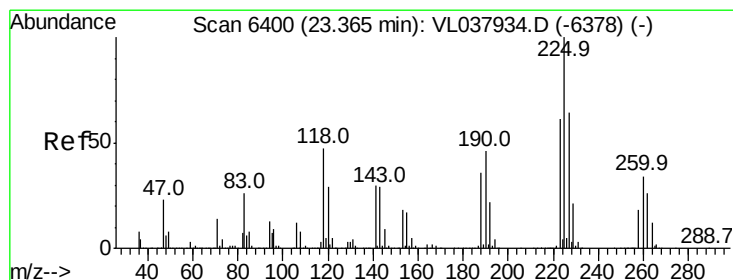
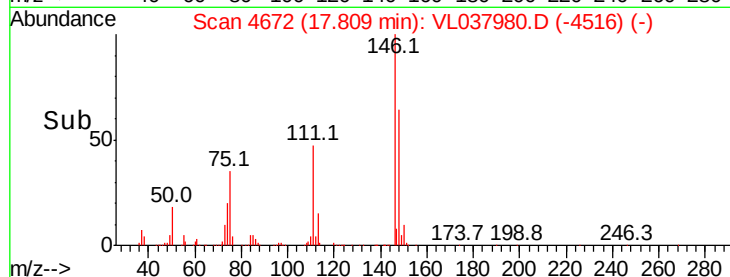
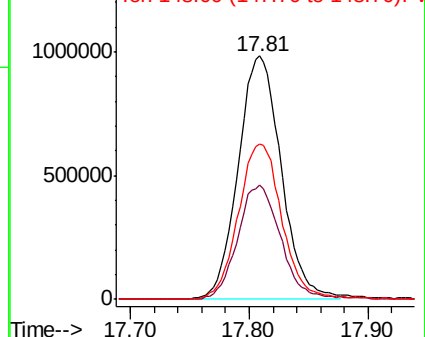
148 65.4 32.6 97.7



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.873 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. -0.00 min

Lab File: VL037980.D

Acq: 9 Nov 2021 14:31

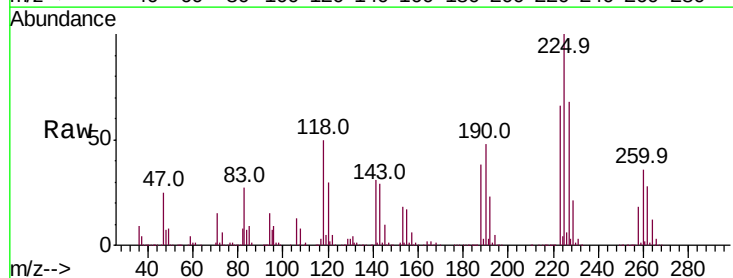
Tgt Ion:225 Resp: 1970708

Ion Ratio Lower Upper

225 100

223 64.4 50.0 75.0

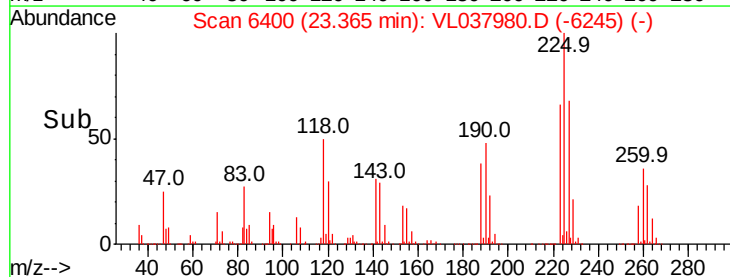
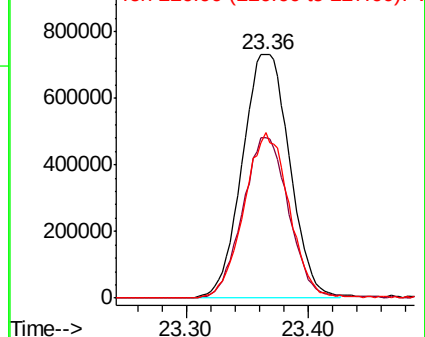
227 64.6 51.5 77.3

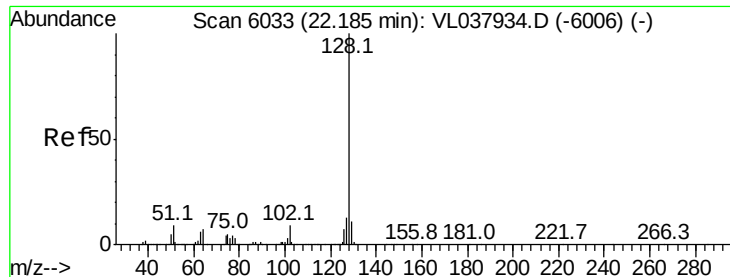


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

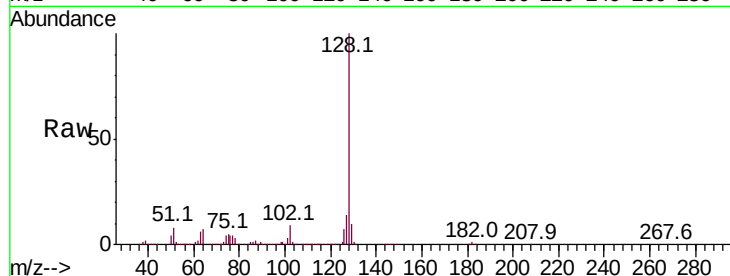




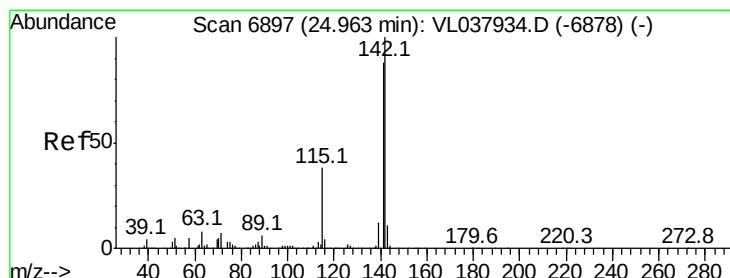
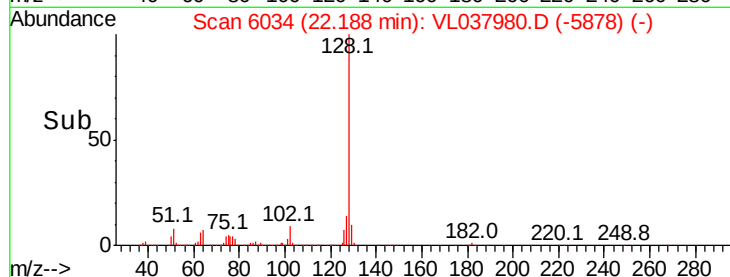
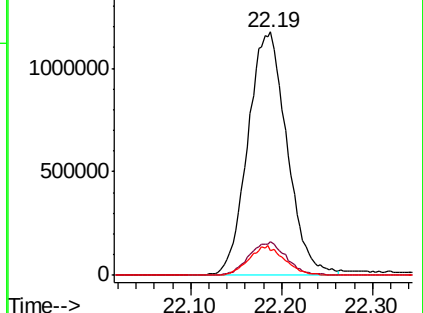
#79  
Naphthalene  
Concen: 10.613 ppbv  
RT: 22.19 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 9 Nov 2021 14:31

Tot Ion:128 Resp: 3503612

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.8  | 10.2  | 15.2  |
| 129 | 10.4  | 9.0   | 13.4  |



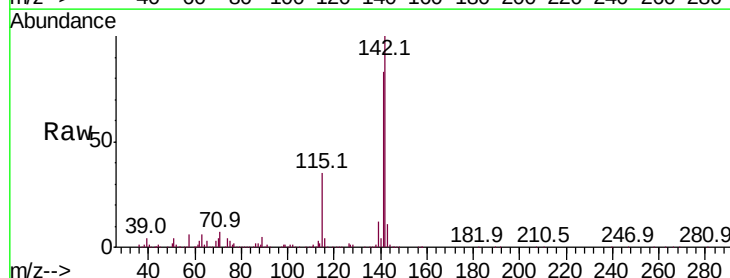
Abundance Ion 128.10 (127.80 to 128.80): V  
Ion 127.10 (126.80 to 127.80): V  
Ion 129.10 (128.80 to 129.80): V



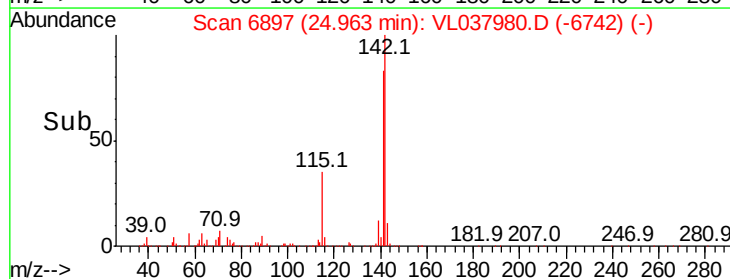
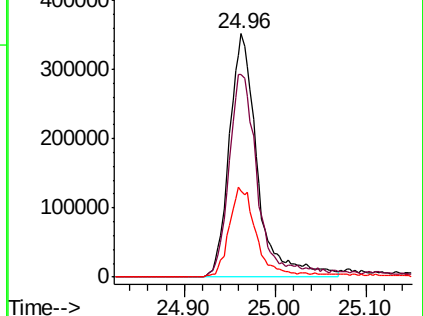
#80  
Naphthalene, 2-methyl-  
Concen: 11.771 ppbv  
RT: 24.96 min Scan# 6897  
Delta R.T. -0.00 min  
Lab File: VL037980.D  
Acq: 9 Nov 2021 14:31

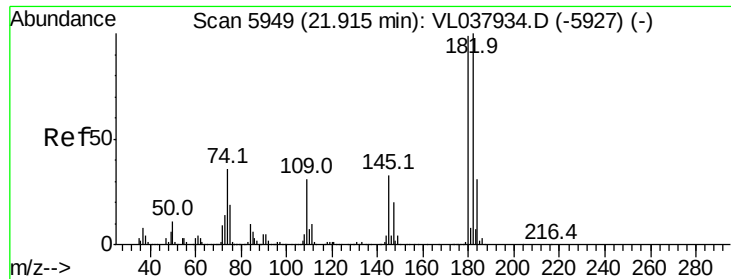
Tgt Ion:142 Resp: 756482

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 85.0  | 66.4  | 99.6  |
| 115 | 36.3  | 29.0  | 43.4  |



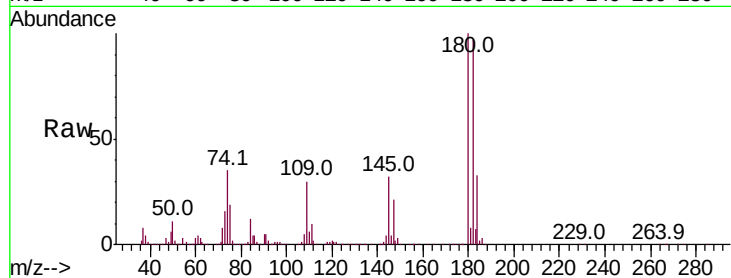
Abundance Ion 142.00 (141.70 to 142.70): V  
Ion 141.00 (140.70 to 141.70): V  
Ion 115.00 (114.70 to 115.70): V





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.170 ppbv  
 RT: 21.91  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 9 Nov 2021 14:31

Tot Ion:180 Resp: 1970502  
 Ion Ratio Lower Upper  
 180 100  
 182 97.7 79.3 118.9  
 184 31.3 25.3 37.9



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

