

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\  
 Data File : VL037064.D  
 Acq On : 1 Jun 2021 9:40  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jun 02 02:58:17 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1466062  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 4415669  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 5221748  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 3276342  | 8.35     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 83.50% |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.03 | 85   | 2152952  | 8.657  | ppbv   | 99     |
| 3) Chlorodifluoromethane       | 2.97 | 51   | 2711873  | 10.097 | ppbv   | 95     |
| 4) Chloromethane               | 3.12 | 50   | 953951   | 10.438 | ppbv   | 99     |
| 5) Vinyl Chloride              | 3.24 | 62   | 1001853  | 10.028 | ppbv   | 99     |
| 6) Bromomethane                | 3.46 | 94   | 572355   | 10.873 | ppbv   | 100    |
| 7) Chloroethane                | 3.54 | 64   | 368281   | 11.353 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane   | 3.17 | 85   | 2524689  | 10.812 | ppbv   | 96     |
| 9) Propene                     | 3.00 | 41   | 888532   | 9.239  | ppbv   | 99     |
| 10) Heptane                    | 8.10 | 43   | 2262377  | 9.439  | ppbv   | 100    |
| 11) Trichlorofluoromethane     | 3.93 | 101  | 2695584  | 11.709 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47 | 101  | 1846898  | 11.263 | ppbv   | 96     |
| 13) Ethanol                    | 3.60 | 45   | 64163    | 5.000  | ppbv # | 39     |
| 14) Bromoethene                | 3.73 | 108  | 819014   | 11.340 | ppbv   | 99     |
| 15) Acetone                    | 3.84 | 43   | 1329850  | 8.856  | ppbv   | 97     |
| 16) 1,3-Butadiene              | 3.31 | 39   | 999860   | 10.717 | ppbv   | 96     |
| 17) tert-Butyl alcohol         | 4.27 | 59   | 1499011  | 10.898 | ppbv   | 99     |
| 18) 1,1-Dichloroethene         | 4.27 | 96   | 819582   | 10.809 | ppbv   | 99     |
| 19) Isopropyl Alcohol          | 3.95 | 45   | 894561   | 11.082 | ppbv # | 34     |
| 20) Methylene Chloride         | 4.33 | 84   | 700645   | 8.704  | ppbv   | 99     |
| 21) Allyl Chloride             | 4.39 | 41   | 1240227  | 10.948 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene   | 4.87 | 96   | 826704   | 11.376 | ppbv   | 99     |
| 23) Vinyl Acetate              | 5.06 | 43   | 2341698  | 9.825  | ppbv   | 98     |
| 24) 1,1-Dichloroethane         | 4.99 | 63   | 1786837  | 10.415 | ppbv   | 99     |
| 25) Ethyl Acetate              | 5.66 | 43   | 3484453  | 9.657  | ppbv   | 100    |
| 26) Hexane                     | 5.67 | 57   | 1681197  | 9.120  | ppbv   | 97     |
| 27) Carbon Disulfide           | 4.53 | 76   | 2009044  | 10.814 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether    | 5.02 | 73   | 2171726  | 9.829  | ppbv   | 99     |
| 29) Chloroform                 | 5.73 | 83   | 2809933  | 10.790 | ppbv   | 97     |
| 30) Cyclohexane                | 7.11 | 84   | 1514101  | 9.666  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene     | 5.53 | 61   | 1690570  | 10.229 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane      | 6.49 | 97   | 2943788  | 10.527 | ppbv   | 99     |
| 34) 2-Butanone                 | 5.23 | 43   | 1627987  | 10.125 | ppbv   | 98     |
| 35) Carbon Tetrachloride       | 7.00 | 117  | 3144635  | 10.718 | ppbv   | 99     |
| 36) Benzene                    | 6.87 | 78   | 3566689  | 9.377  | ppbv   | 99     |
| 37) 1,2-Dichloroethane         | 6.29 | 62   | 2080966  | 11.036 | ppbv   | 99     |
| 38) Trichloroethene            | 7.81 | 130  | 1490590  | 9.161  | ppbv   | 99     |
| 39) 1,2-Dichloropropane        | 7.59 | 63   | 1373809  | 9.376  | ppbv   | 96     |
| 40) 1,4-Dioxane                | 7.82 | 88   | 338593   | 9.787  | ppbv # | 100    |
| 41) Tetrahydrofuran            | 6.03 | 42   | 804556   | 8.786  | ppbv   | 97     |
| 42) Bromodichloromethane       | 7.77 | 83   | 3037491  | 10.647 | ppbv   | 97     |
| 43) Methyl Methacrylate        | 8.00 | 69   | 1318019  | 10.054 | ppbv   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\  
 Data File : VL037064.D  
 Acq On : 1 Jun 2021 9:40  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

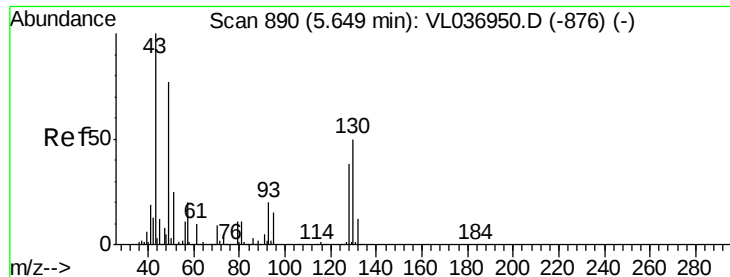
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jun 02 02:58:17 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.85  | 57   | 5874505  | 9.003  | ppbv   | 98       |
| 45) t-1,3-Dichloropropene     | 9.26  | 75   | 1045903  | 10.443 | ppbv   | 100      |
| 46) cis-1,3-Dichloropropene   | 8.68  | 75   | 1359413  | 10.091 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 9.45  | 97   | 1533544  | 10.000 | ppbv   | 99       |
| 48) Dibromochloromethane      | 10.28 | 129  | 2802420  | 11.286 | ppbv   | 100      |
| 49) Bromoform                 | 13.02 | 173  | 2342395  | 11.423 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.72  | 43   | 2542238  | 9.582  | ppbv   | 99       |
| 51) 2-Hexanone                | 10.12 | 43   | 1363855  | 9.724  | ppbv # | 96       |
| 52) Tetrachloroethene         | 11.20 | 164  | 1479086  | 9.779  | ppbv   | 96       |
| 53) Toluene                   | 9.78  | 91   | 4305492  | 9.514  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.59 | 107  | 2297421  | 10.538 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 12.10 | 131  | 1893140  | 8.616  | ppbv # | 56       |
| 57) Chlorobenzene             | 12.12 | 112  | 3264529  | 8.063  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.69 | 91   | 5743317  | 7.793  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.97 | 91   | 5434824  | 8.921  | ppbv # | 47       |
| 60) o-Xylene                  | 13.67 | 91   | 4623226  | 7.957  | ppbv   | 99       |
| 61) Styrene                   | 13.50 | 104  | 2697242  | 8.240  | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.64 | 105  | 6527758  | 7.817  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.65 | 83   | 3160732  | 7.284  | ppbv   | 99       |
| 64) n-propylbenzene           | 15.54 | 120  | 1790561  | 8.311  | ppbv   | 99       |
| 65) tert-Butylbenzene         | 16.72 | 119  | 6014215  | 7.982  | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.97 | 91   | 151386   | 3.621  | ppbv # | 61       |
| 67) sec-Butylbenzene          | 17.27 | 105  | 8059464  | 7.841  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.63 | 119  | 7174223  | 8.118  | ppbv   | 99       |
| 70) n-Butylbenzene            | 18.53 | 91   | 6912098  | 8.233  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.43 | 91   | 4831853  | 8.012  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.82 | 105  | 5716737  | 8.290  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.98 | 105  | 5271378  | 8.140  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.74 | 105  | 5473116  | 8.174  | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 16.98 | 146  | 3448790  | 8.435  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 17.11 | 146  | 3383359  | 8.184  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.79 | 146  | 3364760  | 8.213  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.36 | 225  | 2436169  | 7.395  | ppbv   | 100      |
| 79) Naphthalene               | 22.17 | 128  | 4809331  | 9.154  | ppbv   | 99       |
| 80) Naphthalene, 2-methyl-    | 24.96 | 142  | 864546   | 7.568  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.91 | 180  | 1206248  | 3.766  | ppbv # | 5        |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

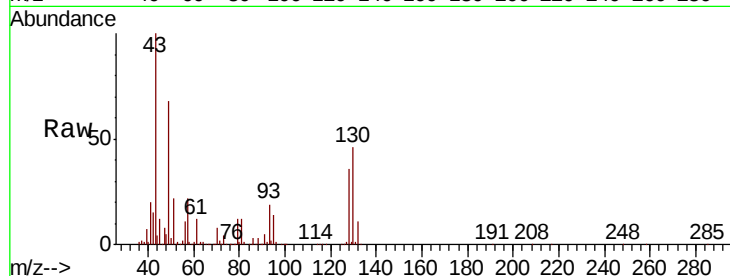
Tot Ion: 49 Resp: 1466062

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 59.3  | 26.9  | 80.7  |
| 130 | 73.3  | 33.8  | 101.4 |

49 100

128 59.3 26.9 80.7

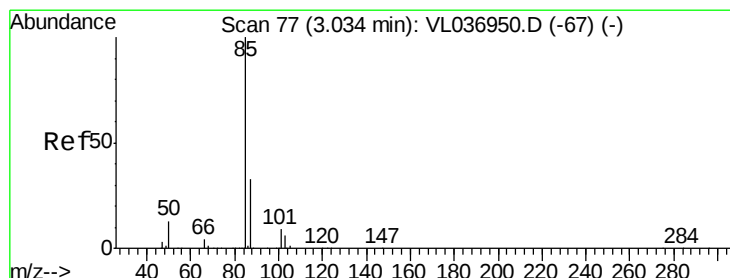
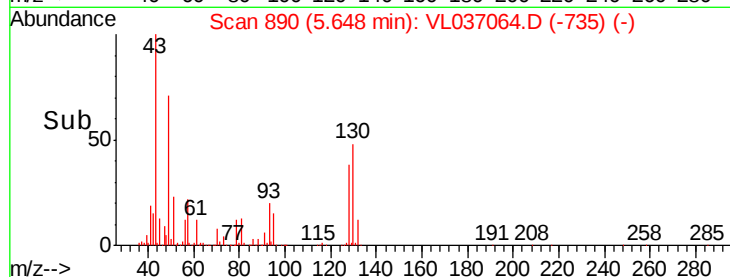
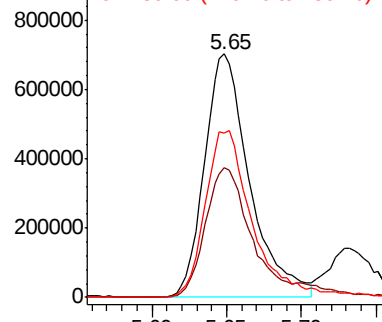
130 73.3 33.8 101.4



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: 8.657 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037064.D

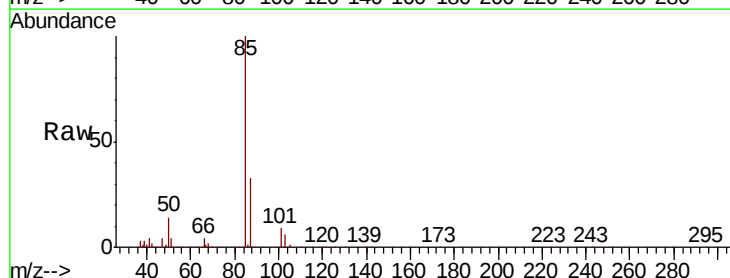
Acq: 1 Jun 2021 9:40

Tgt Ion: 85 Resp: 2152952

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 32.6  | 26.6  | 39.8  |

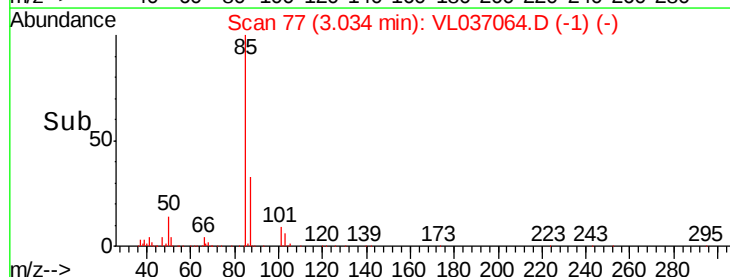
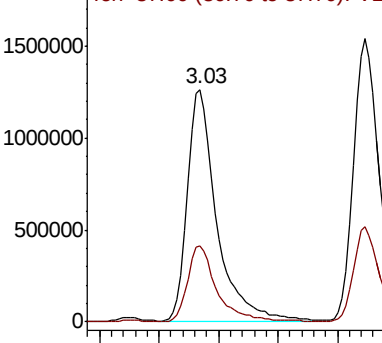
85 100

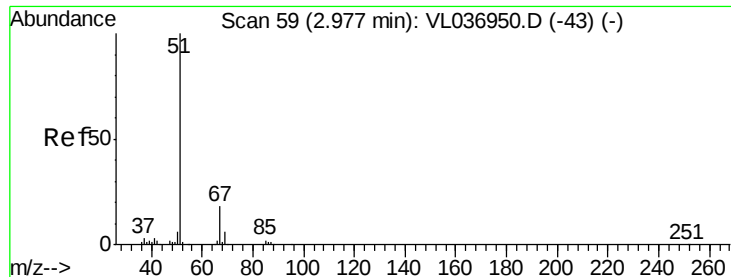
87 32.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.097 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

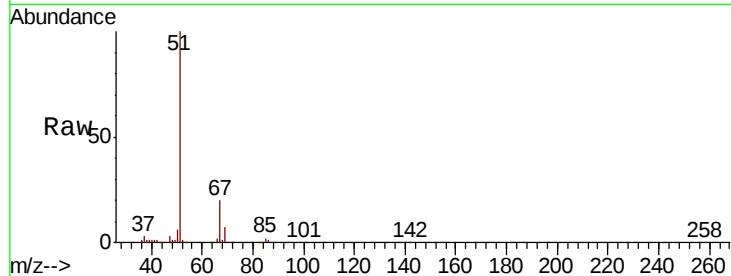
Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 51 Resp: 2711873

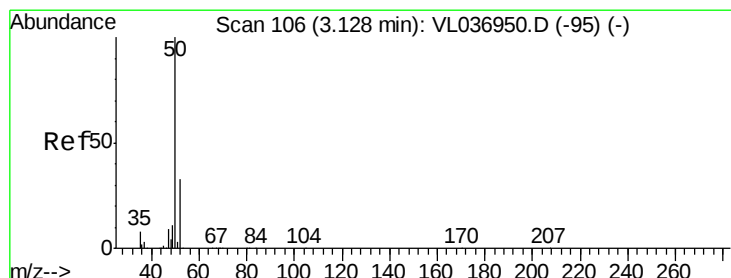
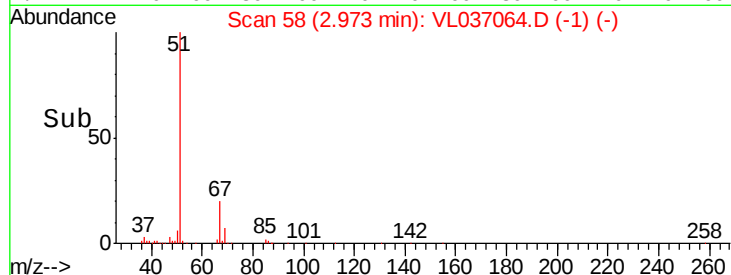
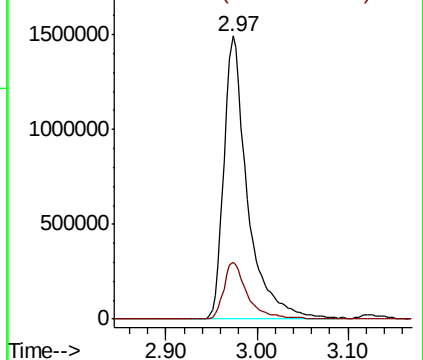
Ion Ratio Lower Upper

51 100

67 20.3 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0  
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.438 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037064.D

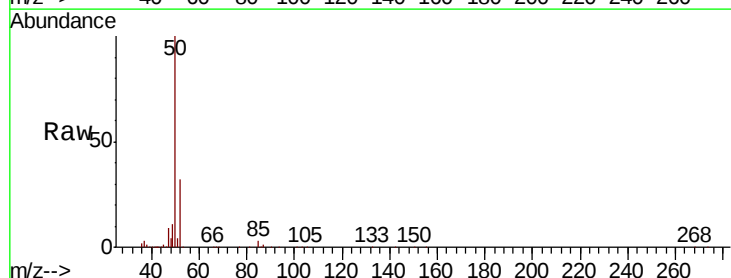
Acq: 1 Jun 2021 9:40

Tgt Ion: 50 Resp: 953951

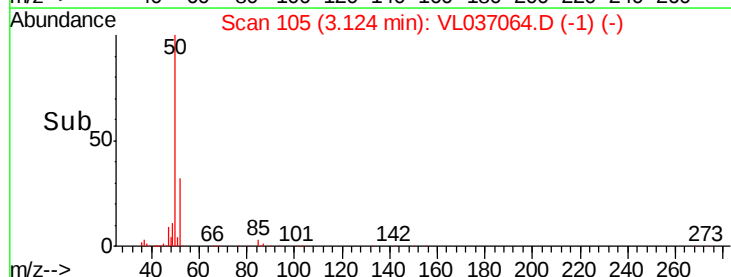
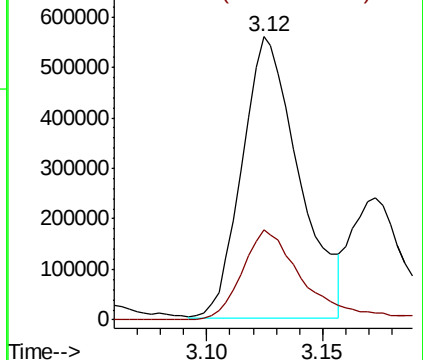
Ion Ratio Lower Upper

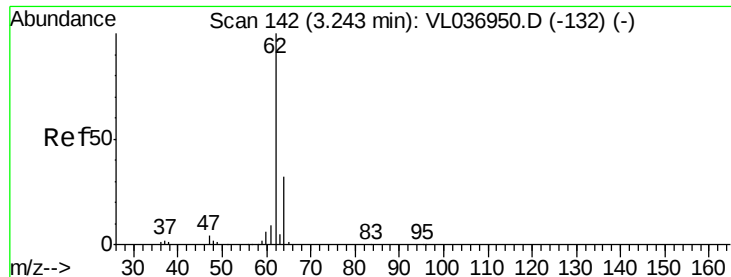
50 100

52 32.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0  
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.028 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

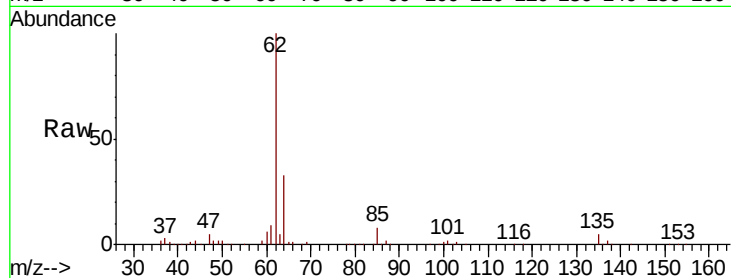
ClientSampleId :

Tot Ion: 62 Resp: 1001853

Ion Ratio Lower Upper

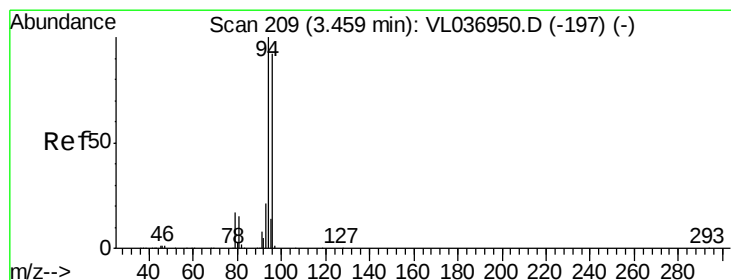
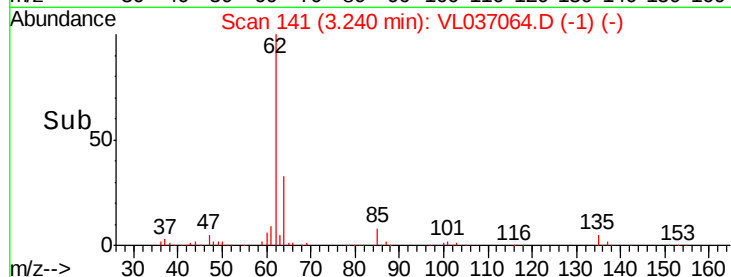
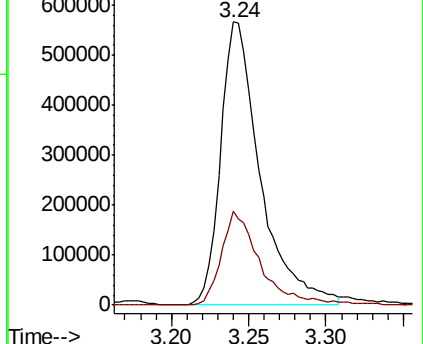
62 100

64 33.1 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.873 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037064.D

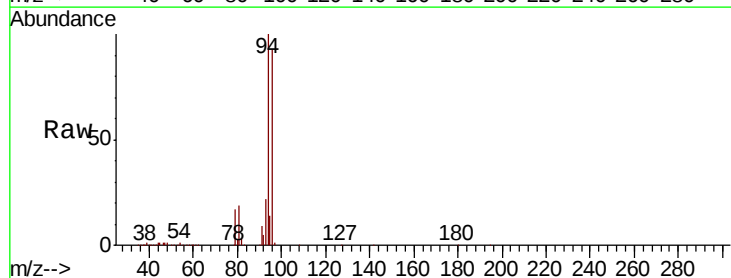
Acq: 1 Jun 2021 9:40

Tgt Ion: 94 Resp: 572355

Ion Ratio Lower Upper

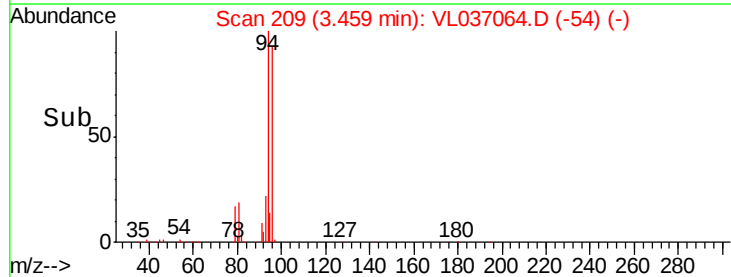
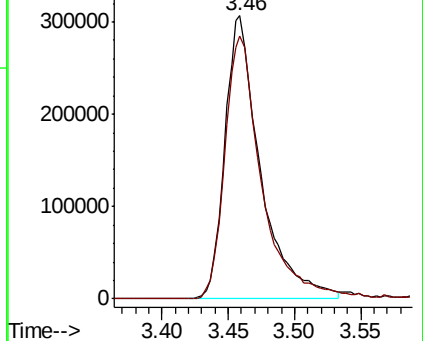
94 100

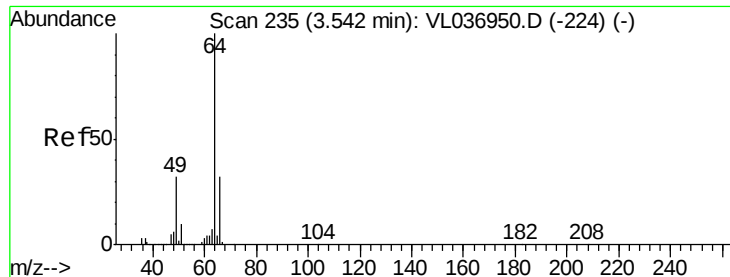
96 92.7 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.353 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

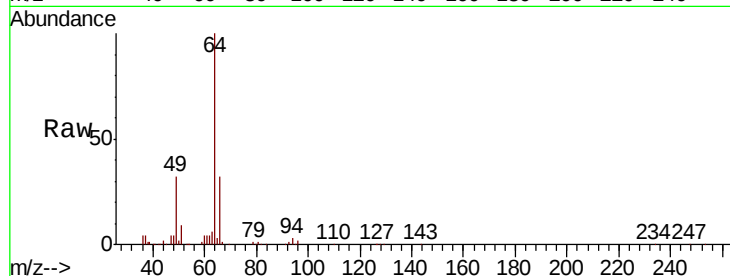
ClientSampleId :

Tot Ion: 64 Resp: 368281

Ion Ratio Lower Upper

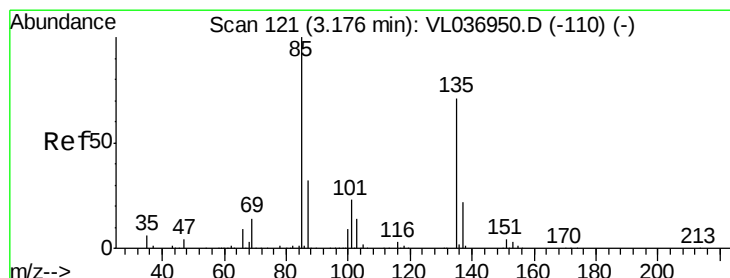
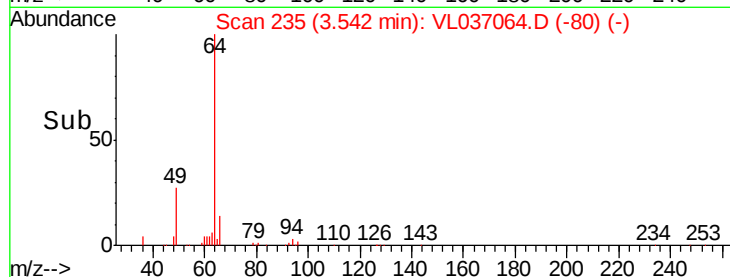
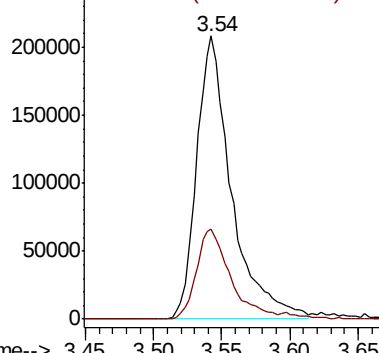
64 100

66 31.8 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.812 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037064.D

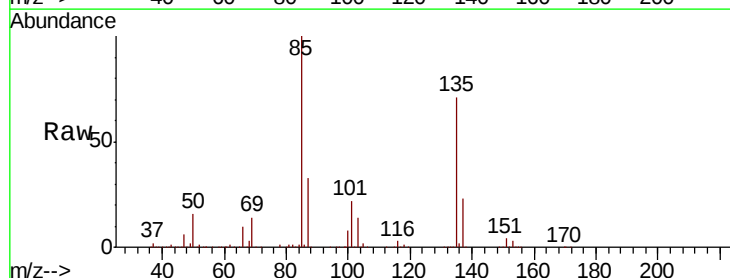
Acq: 1 Jun 2021 9:40

Tgt Ion: 85 Resp: 2524689

Ion Ratio Lower Upper

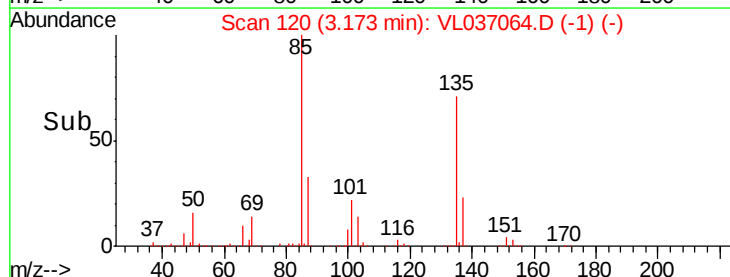
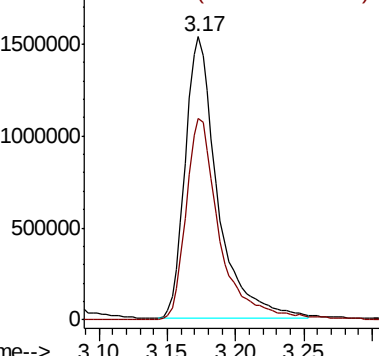
85 100

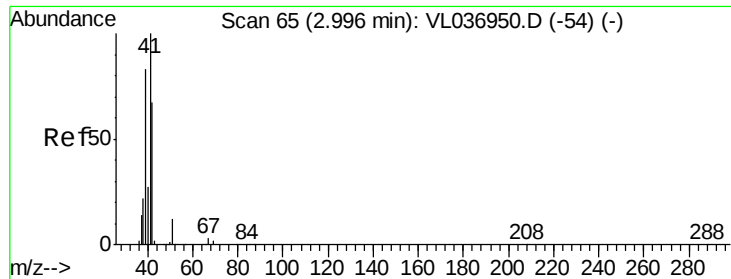
135 75.3 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.239 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

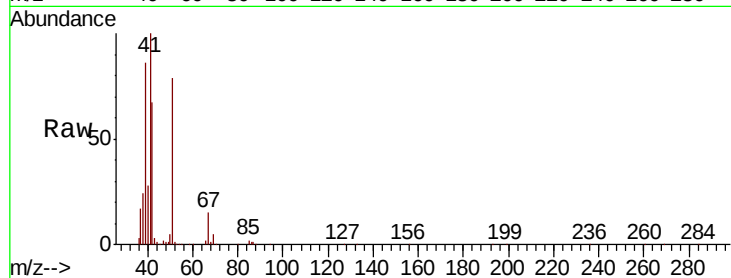
ClientSampleId :

Tot Ion: 41 Resp: 888532

Ion Ratio Lower Upper

41 100

42 68.3 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

500000

400000

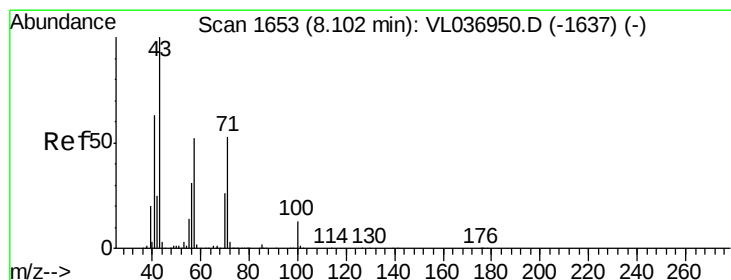
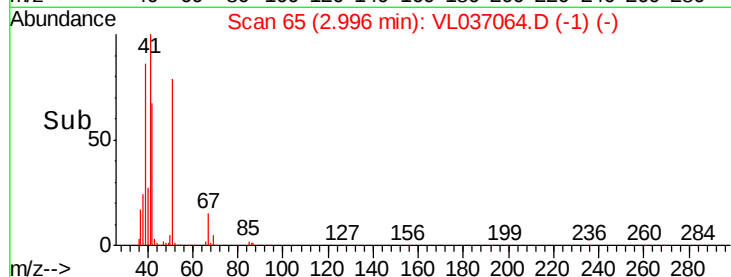
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.439 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL037064.D

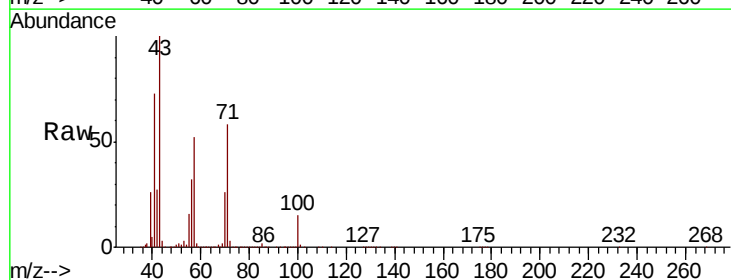
Acq: 1 Jun 2021 9:40

Tgt Ion: 43 Resp: 2262377

Ion Ratio Lower Upper

43 100

57 51.0 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

1200000

1000000

800000

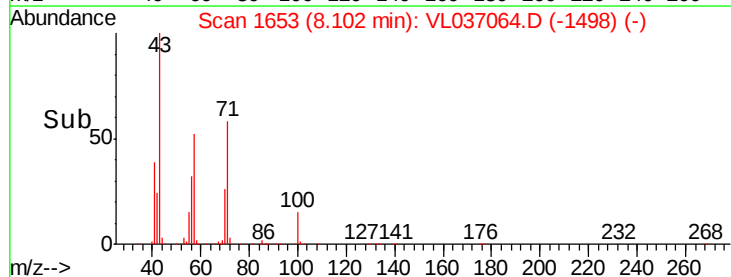
600000

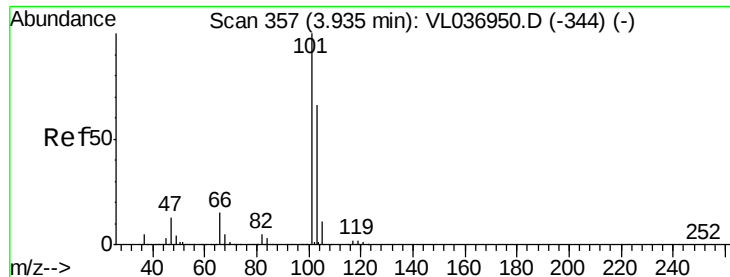
400000

200000

0

Time-->

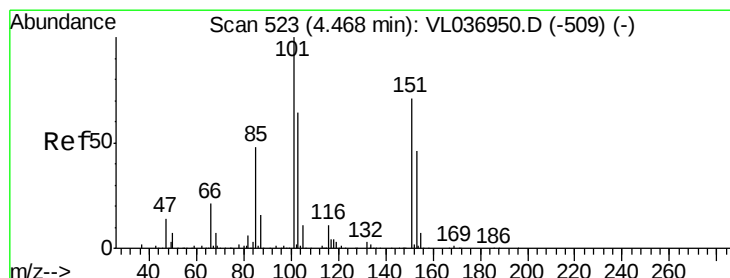
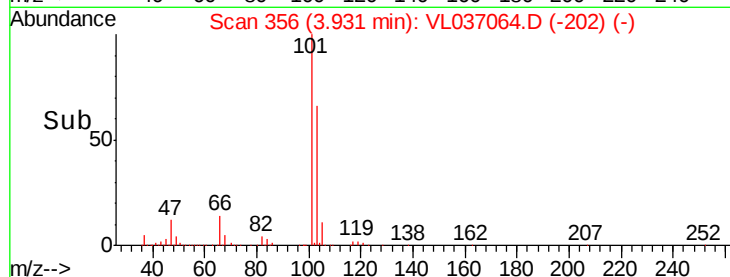
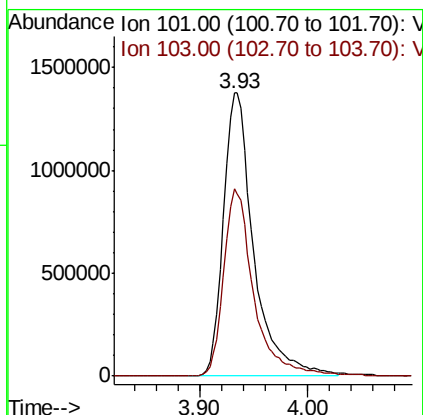
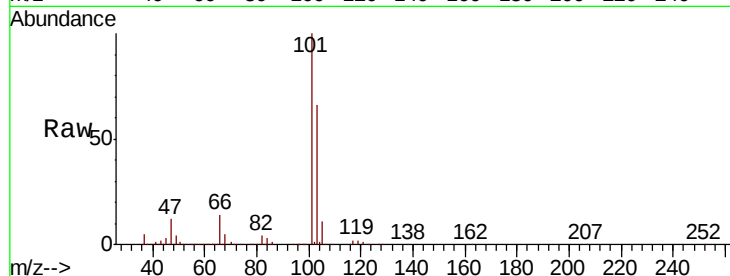




#11  
 Trichlorofluoromethane  
 Concen: 11.709 ppbv  
 RT: 3.93 min Scan# 356  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

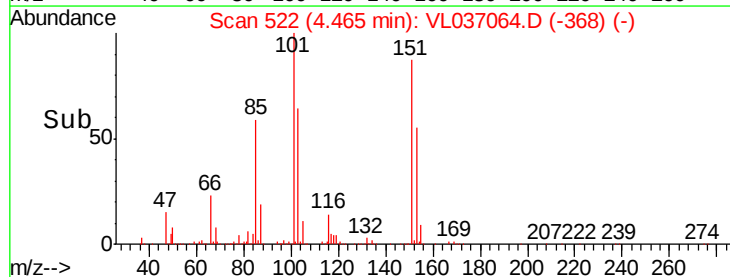
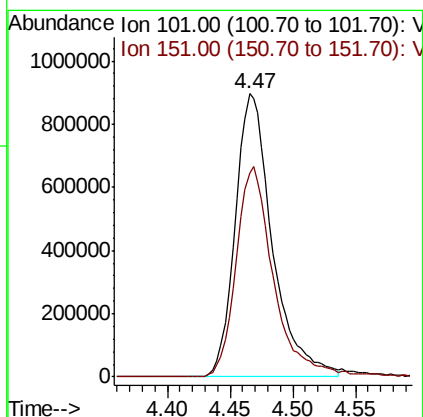
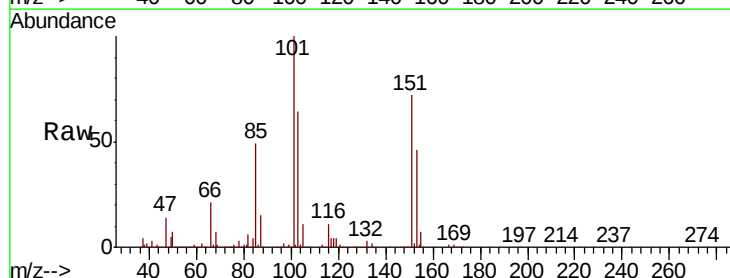
Instrument :  
 MSVOA\_L  
 ClientSampleId :

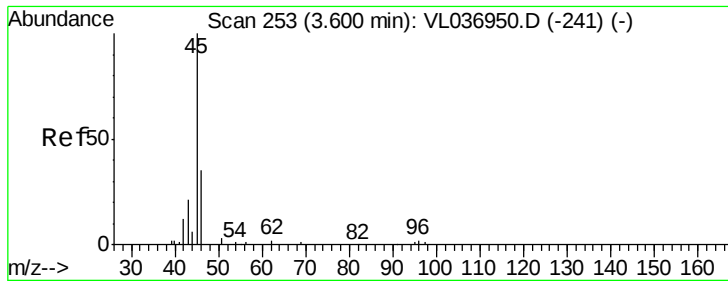
Tot Ion:101 Resp: 2695584  
 Ion Ratio Lower Upper  
 101 100  
 103 66.2 52.6 79.0



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 11.263 ppbv  
 RT: 4.47 min Scan# 522  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion:101 Resp: 1846898  
 Ion Ratio Lower Upper  
 101 100  
 151 75.7 57.7 86.5





#13

Ethanol

Concen: 5.000 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

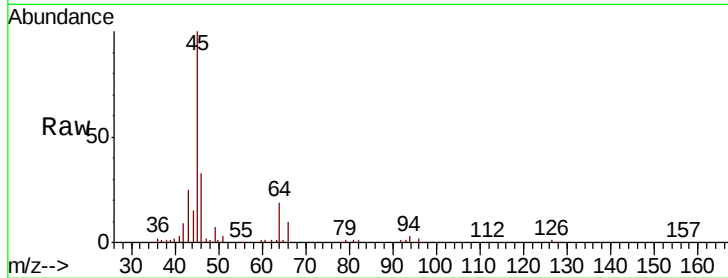
ClientSampleId :

Tot Ion: 45 Resp: 64163

Ion Ratio Lower Upper

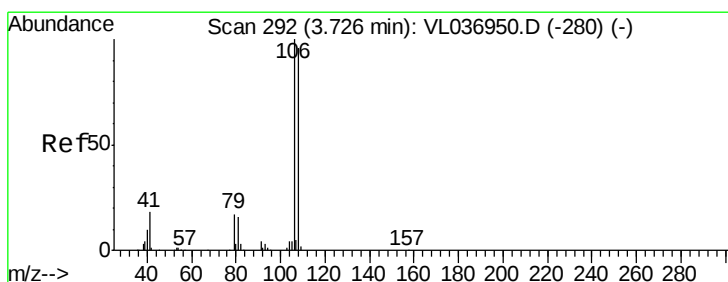
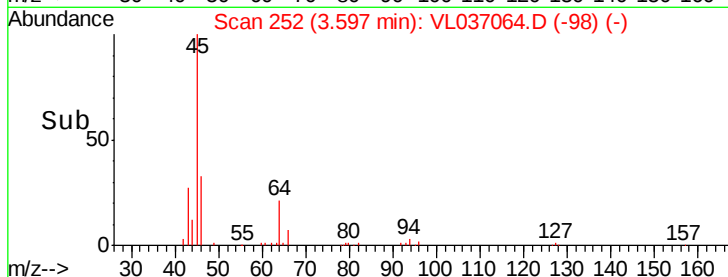
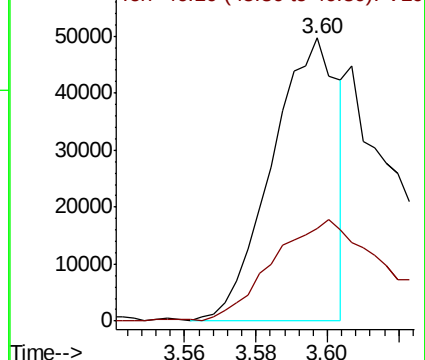
45 100

46 79.0 16.3 65.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 11.340 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

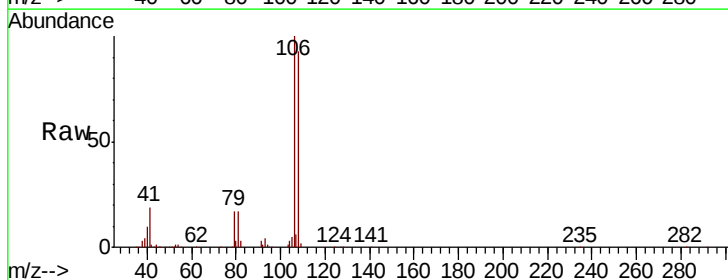
Tgt Ion: 108 Resp: 819014

Ion Ratio Lower Upper

108 100

106 107.4 86.5 129.7

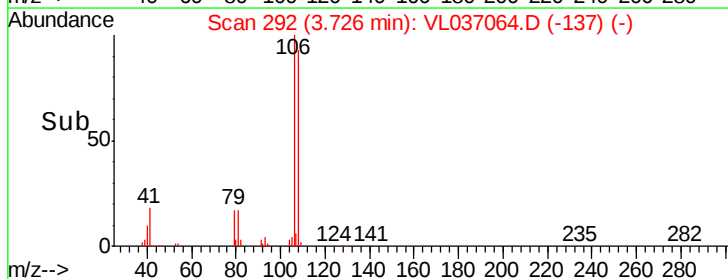
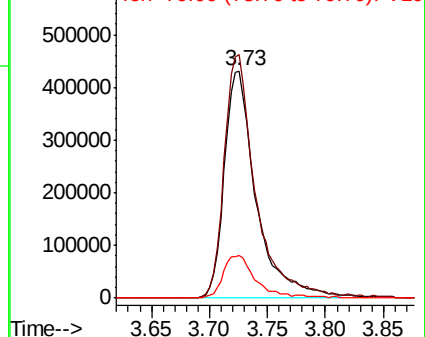
79 19.5 15.0 22.4

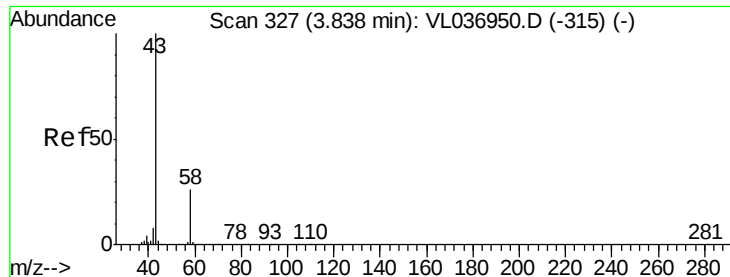


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.856 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

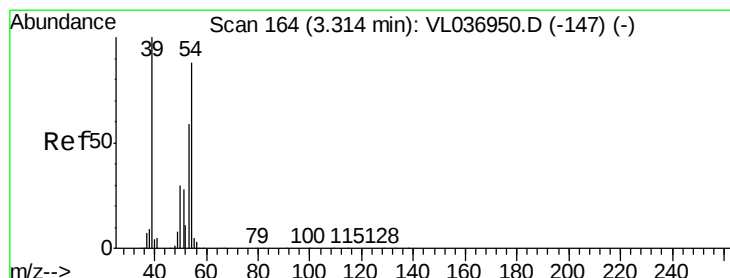
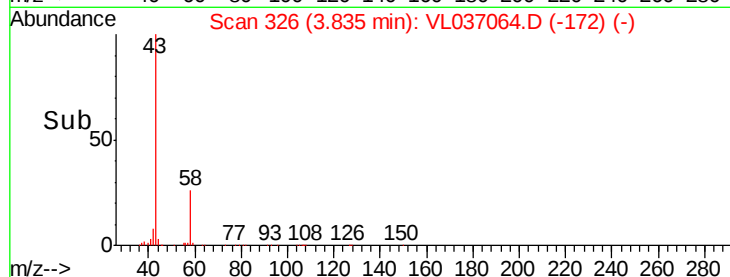
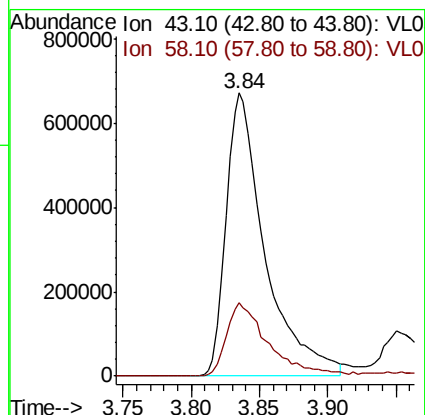
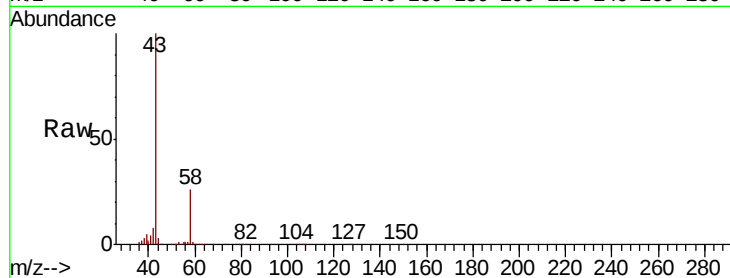
ClientSampleId :

Tot Ion: 43 Resp: 1329850

Ion Ratio Lower Upper

43 100

58 28.4 24.0 36.0



#16

1,3-Butadiene

Concen: 10.717 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL037064.D

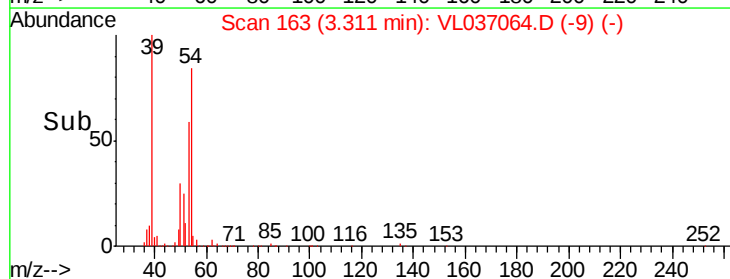
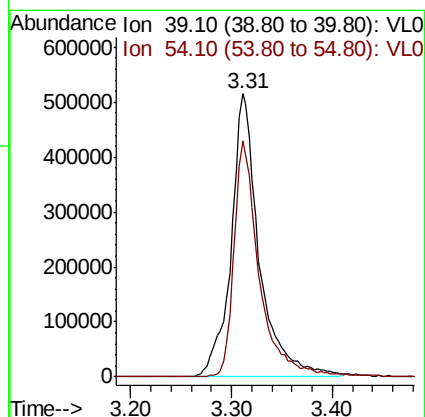
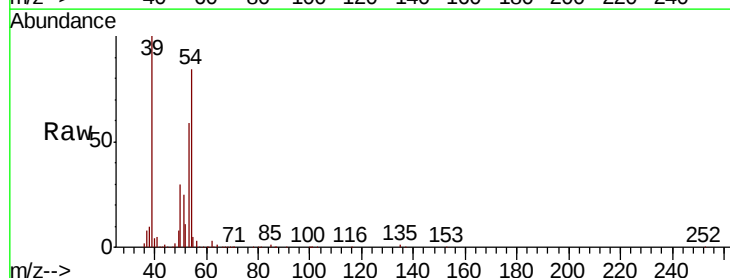
Acq: 1 Jun 2021 9:40

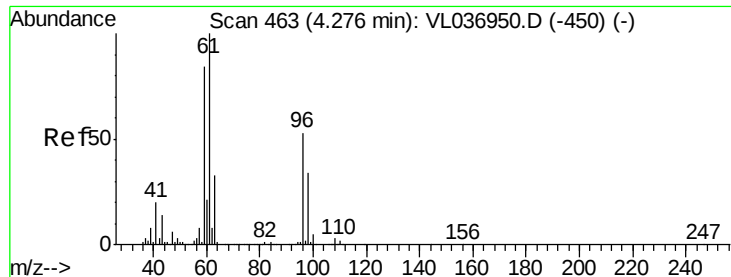
Tgt Ion: 39 Resp: 999860

Ion Ratio Lower Upper

39 100

54 75.8 63.2 94.8

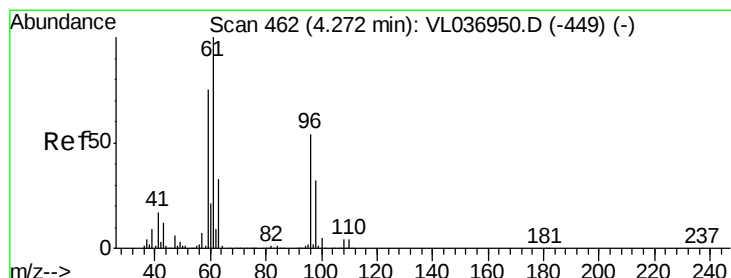
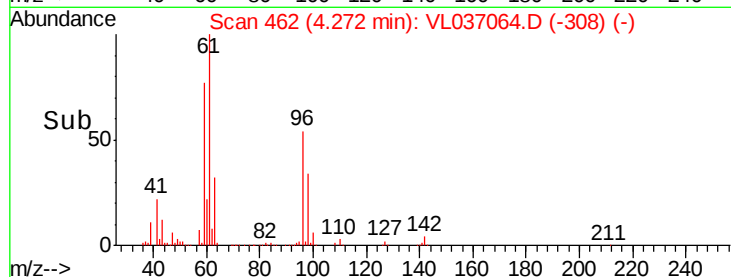
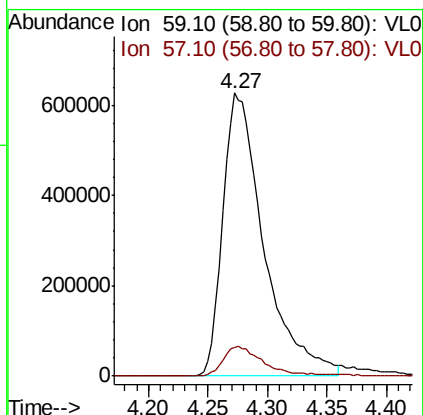
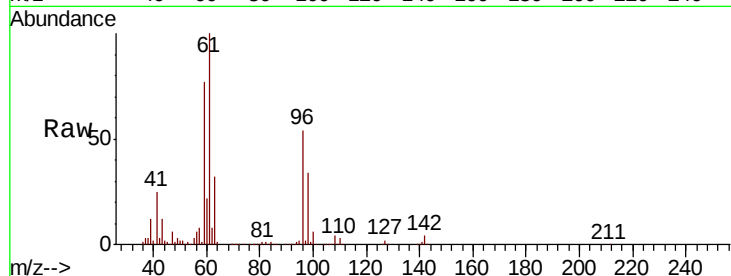




#17  
tert-Butyl alcohol  
Concen: 10.898 ppbv  
RT: 4.27 min Scan# 462  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

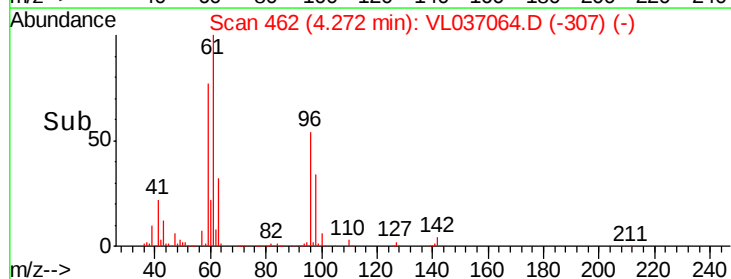
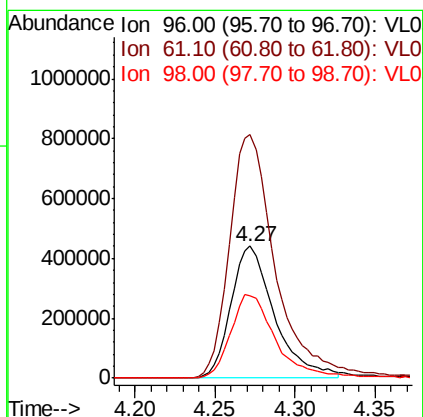
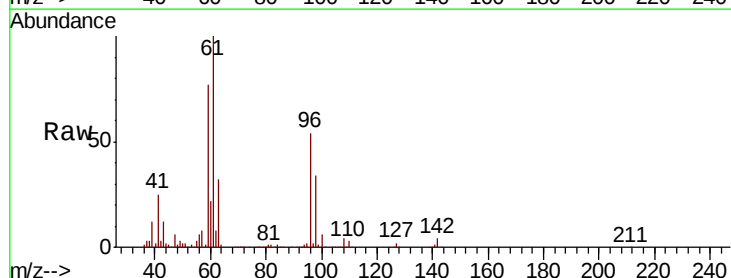
Instrument :  
MSVOA\_L  
ClientSampleId :

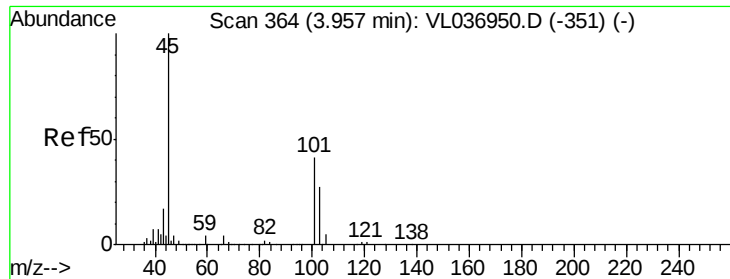
Tot Ion: 59 Resp: 1499011  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.3 12.5



#18  
1,1-Dichloroethene  
Concen: 10.809 ppbv  
RT: 4.27 min Scan# 462  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 96 Resp: 819582  
Ion Ratio Lower Upper  
96 100  
61 184.3 148.2 222.4  
98 62.3 47.8 71.6



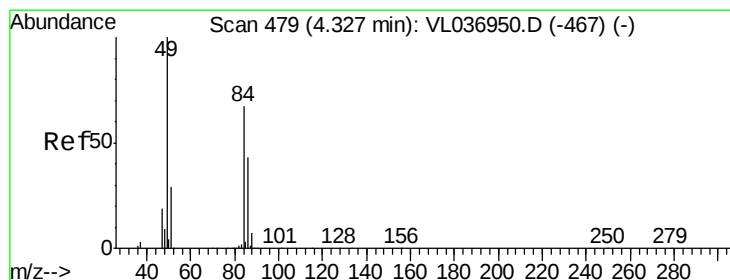
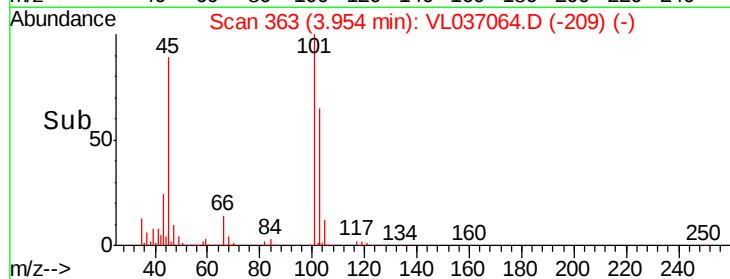
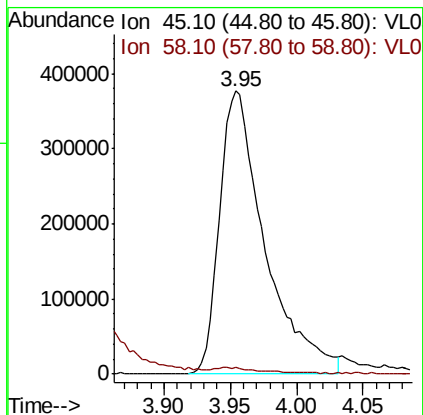
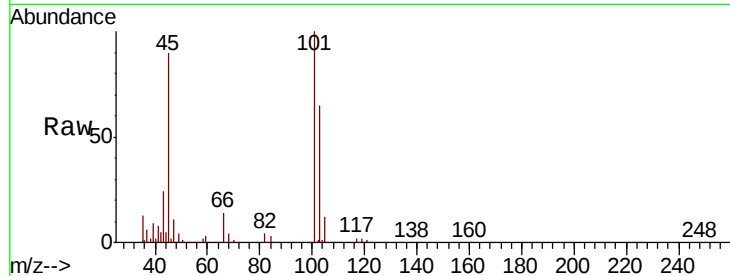


#19

Isopropyl Alcohol  
 Concen: 11.082 ppbv  
 RT: 3.95 min Scan# 363  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Instrument :  
 MSVOA\_L  
 ClientSampleId :

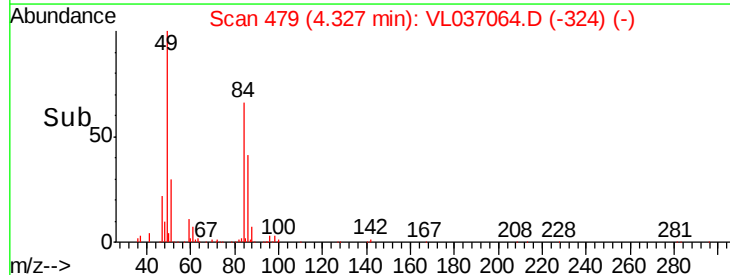
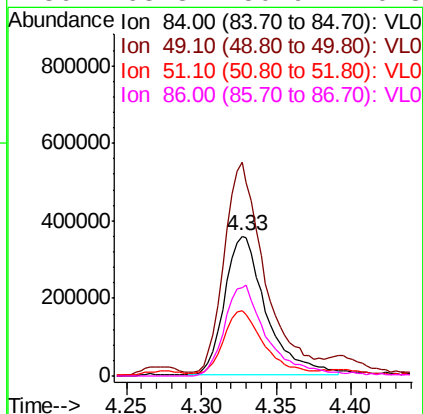
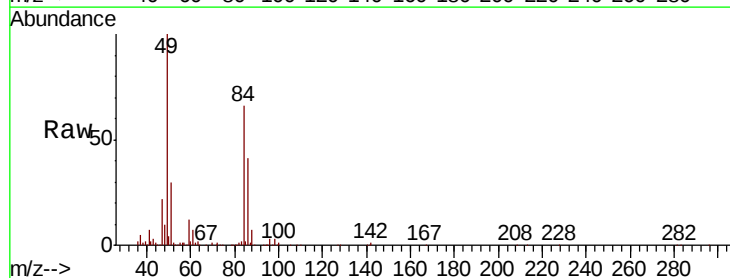
Tot Ion: 45 Resp: 894561  
 Ion Ratio Lower Upper  
 45 100  
 58 2.4 37.2 55.8#

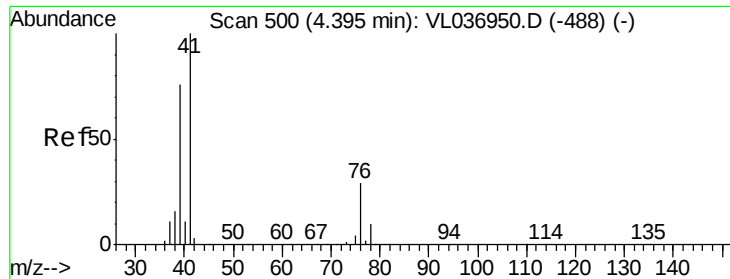


#20

Methylene Chloride  
 Concen: 8.704 ppbv  
 RT: 4.33 min Scan# 479  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion: 84 Resp: 700645  
 Ion Ratio Lower Upper  
 84 100  
 49 150.8 119.8 179.6  
 51 44.5 35.1 52.7  
 86 63.3 50.9 76.3

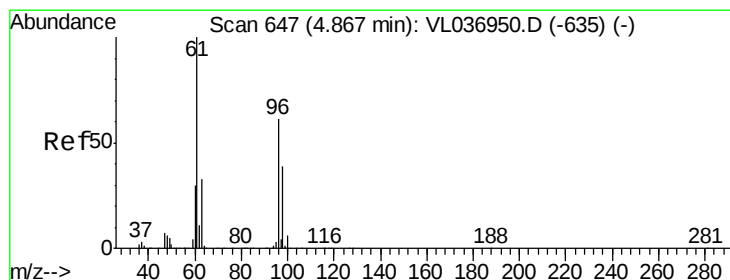
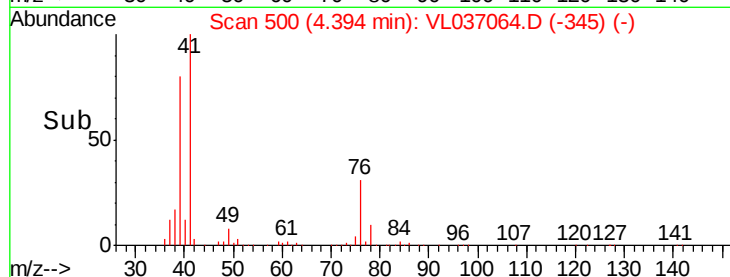
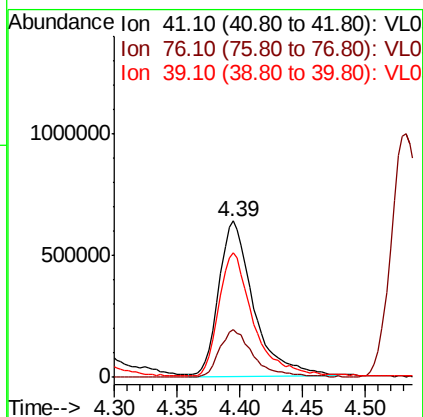
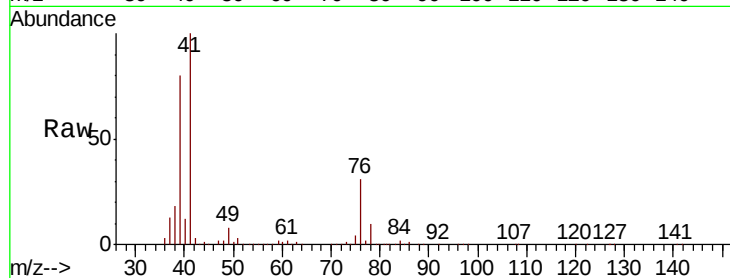




#21  
Allvl Chloride  
Concen: 10.948 ppbv  
RT: 4.39 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

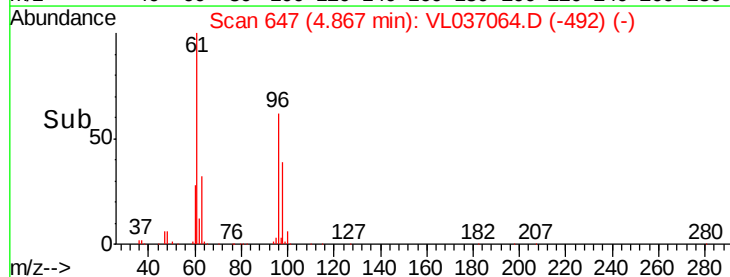
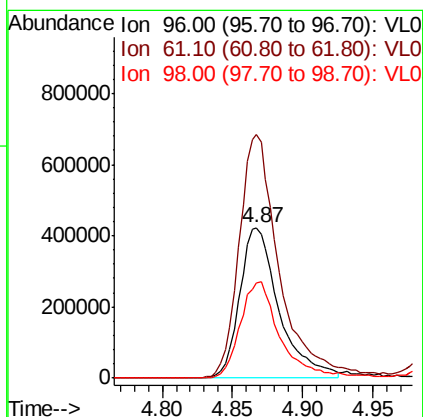
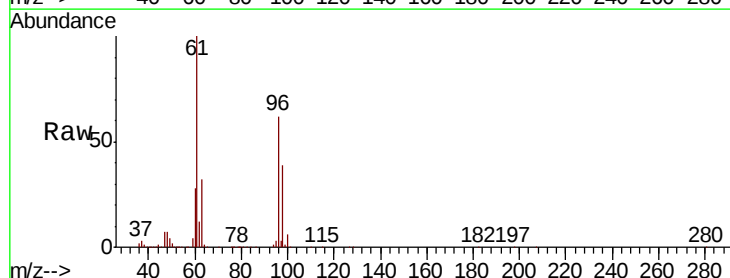
Instrument :  
MSVOA\_L  
ClientSampleId :

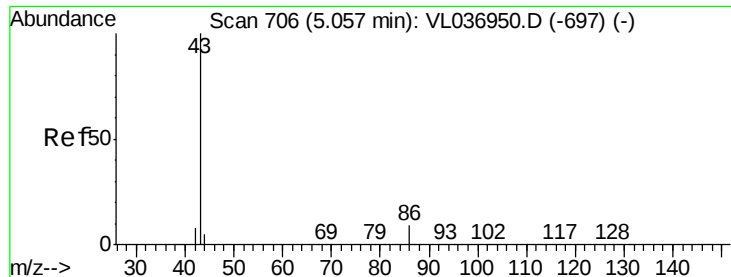
Tot Ion: 41 Resp: 1240227  
Ion Ratio Lower Upper  
41 100  
76 30.4 24.9 37.3  
39 79.3 63.7 95.5



#22  
trans-1,2-Dichloroethene  
Concen: 11.376 ppbv  
RT: 4.87 min Scan# 647  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 96 Resp: 826704  
Ion Ratio Lower Upper  
96 100  
61 161.7 130.6 196.0  
98 62.9 50.8 76.2





#23

Vinyl Acetate

Concen: 9.825 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion: 43 Resp: 2341698

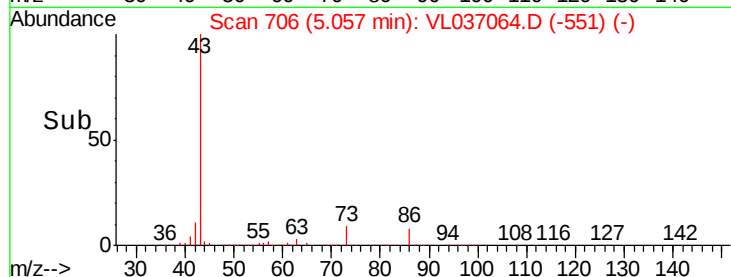
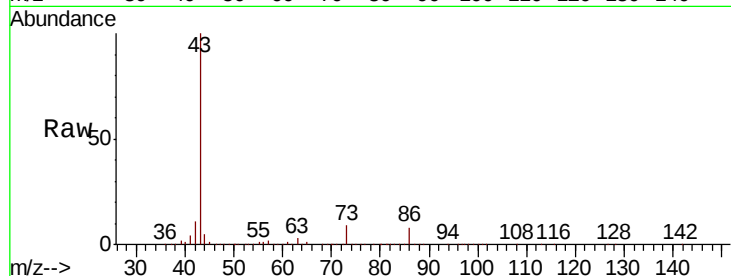
Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

42 10.7 7.4 11.2

44 4.5 3.3 4.9

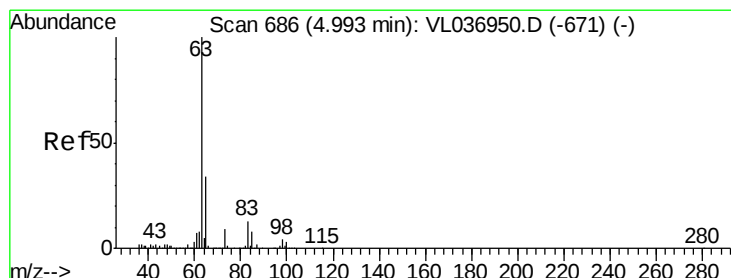
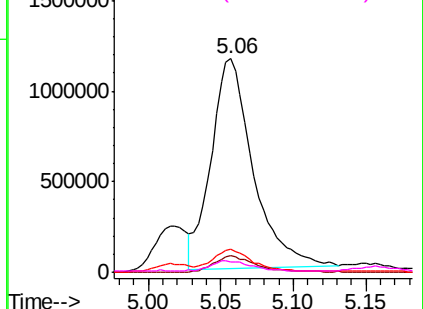


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.415 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

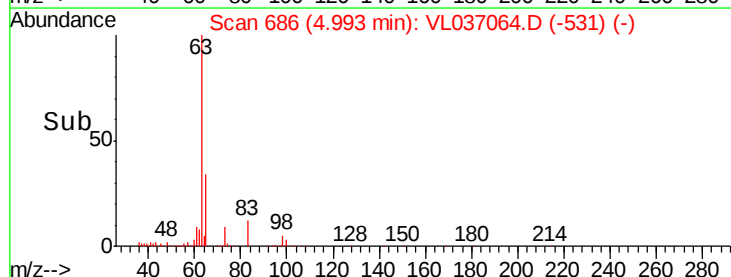
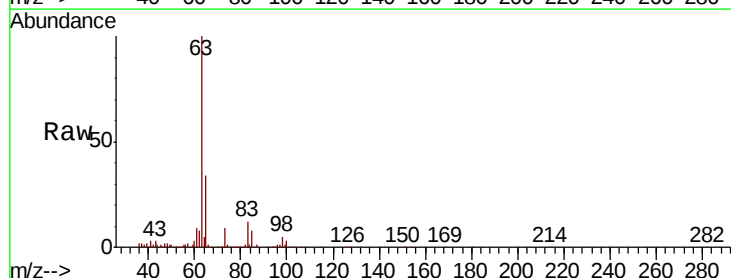
Tgt Ion: 63 Resp: 1786837

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

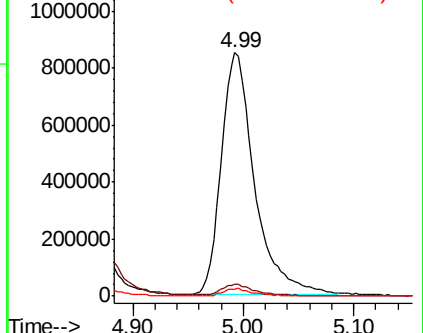
100 2.9 1.4 4.0

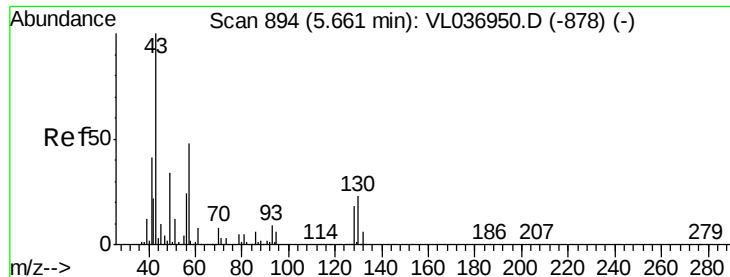


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



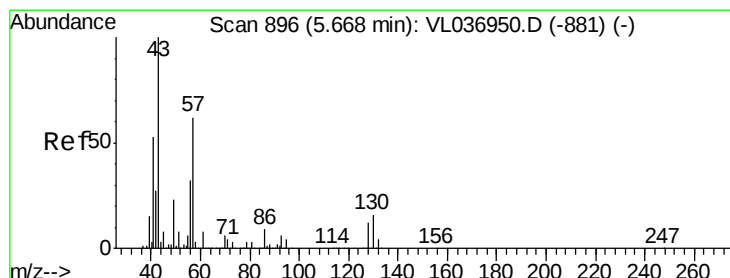
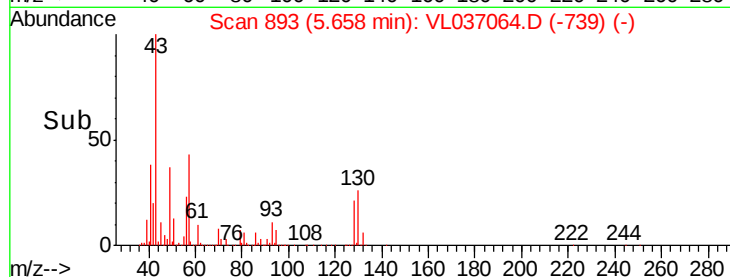
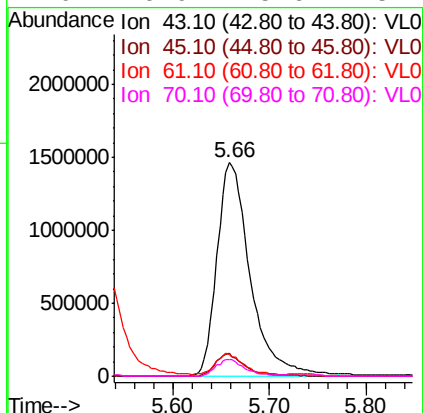
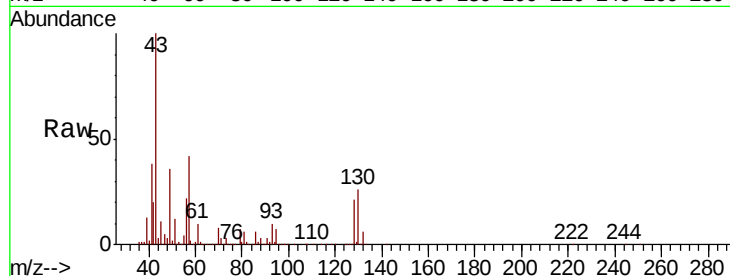


#25  
Ethyl Acetate  
Concen: 9.657 ppbv  
RT: 5.66 min Scan# 893  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 43 Resp: 3484453

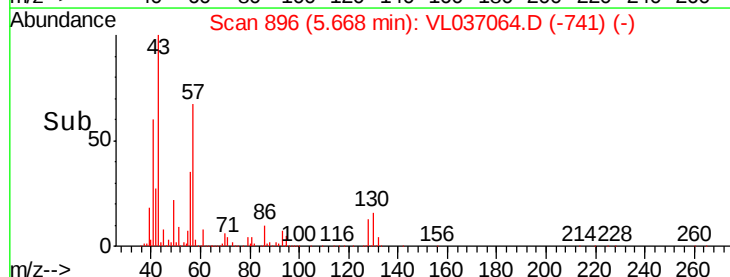
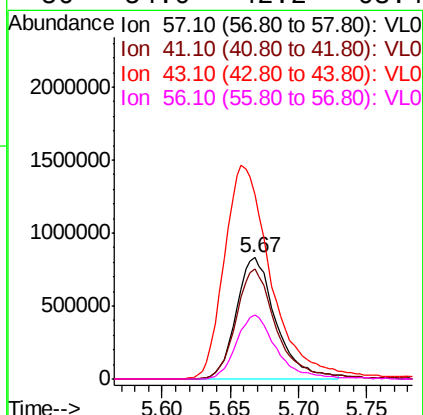
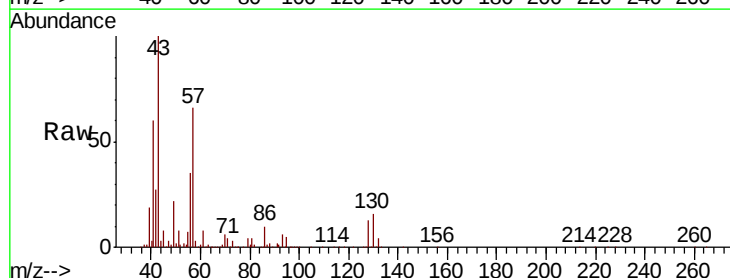
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.8   | 7.8   | 11.8  |
| 61  | 10.1  | 7.8   | 11.8  |
| 70  | 6.9   | 5.6   | 8.4   |

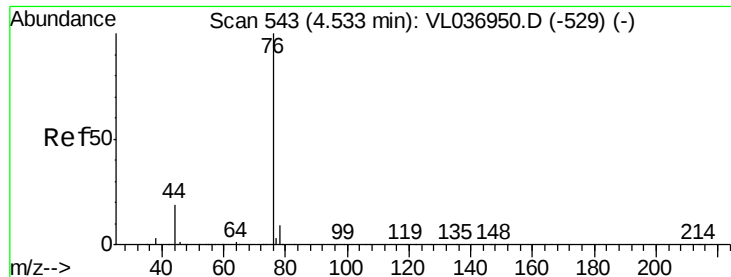


#26  
Hexane  
Concen: 9.120 ppbv  
RT: 5.67 min Scan# 896  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 57 Resp: 1681197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 93.3  | 70.5  | 105.7 |
| 43  | 209.7 | 165.8 | 248.8 |
| 56  | 54.0  | 42.2  | 63.4  |

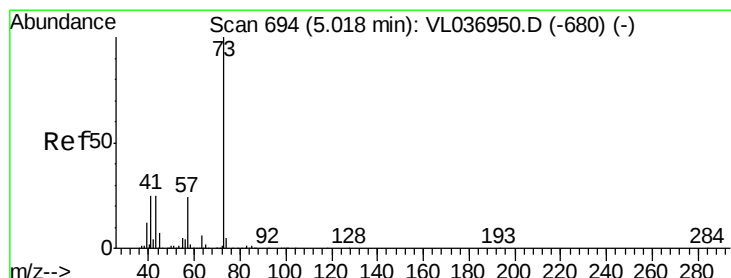
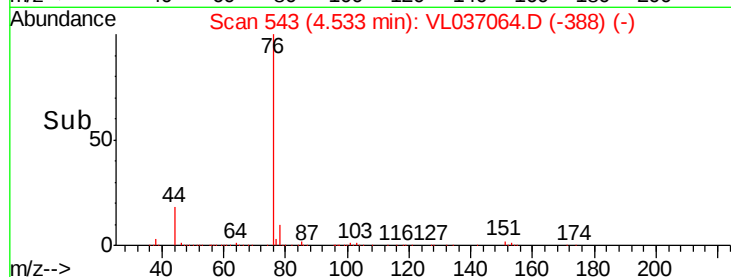
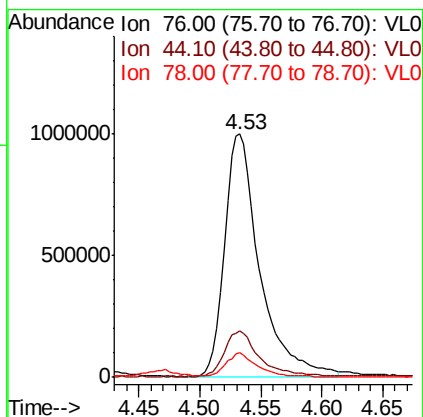
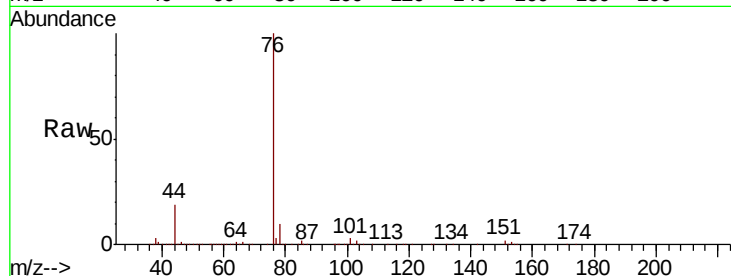




#27  
Carbon Disulfide  
Concen: 10.814 ppbv  
RT: 4.53 min Scan# 543  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

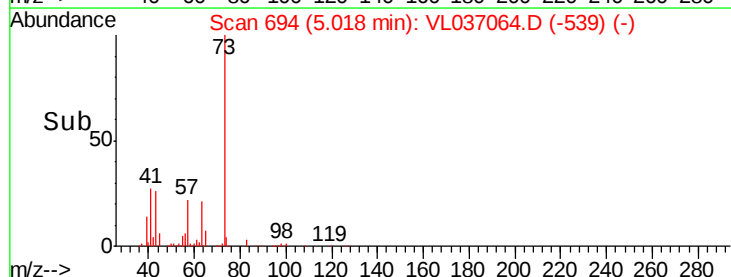
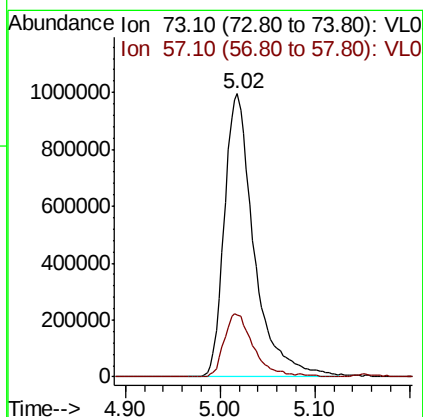
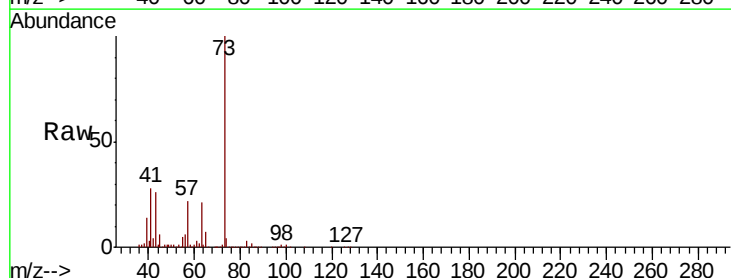
Instrument :  
MSVOA\_L  
ClientSampled :

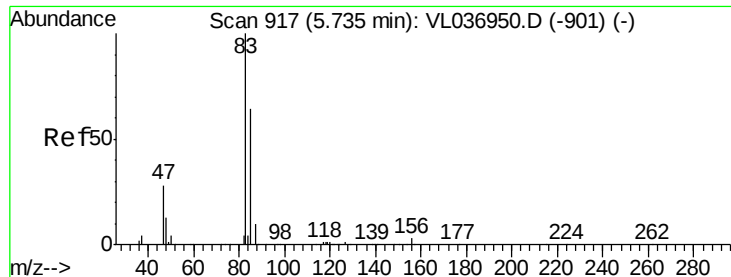
Tot Ion: 76 Resp: 2009044  
Ion Ratio Lower Upper  
76 100  
44 18.8 15.5 23.3  
78 9.5 7.8 11.6



#28  
Methyl tert-Butyl Ether  
Concen: 9.829 ppbv  
RT: 5.02 min Scan# 694  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 73 Resp: 2171726  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.3 27.5





#29

Chloroform

Concen: 10.790 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

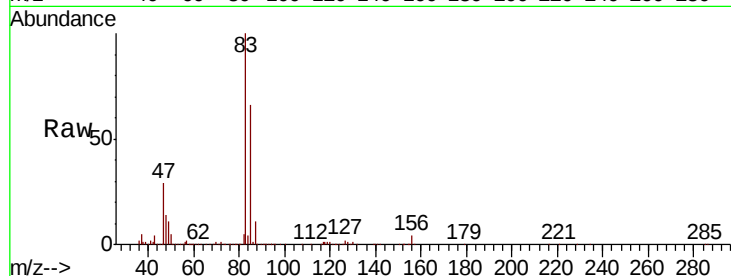
ClientSampled :

Tot Ion: 83 Resp: 2809933

Ion Ratio Lower Upper

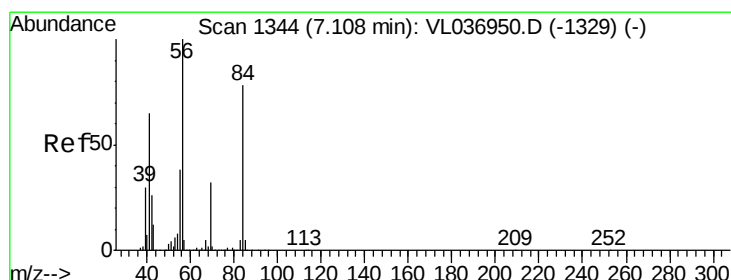
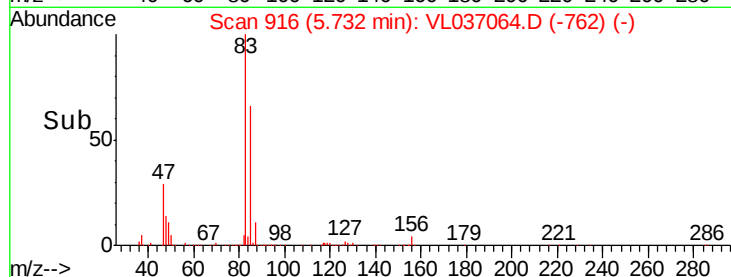
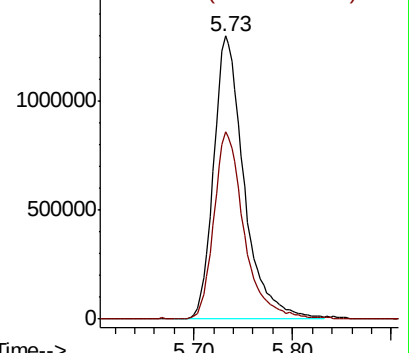
83 100

85 65.9 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.666 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

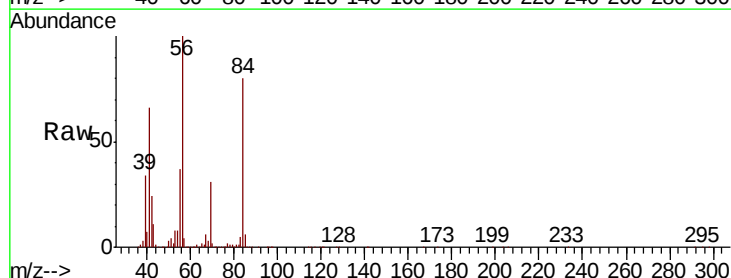
Tgt Ion: 84 Resp: 1514101

Ion Ratio Lower Upper

84 100

56 132.8 107.9 161.9

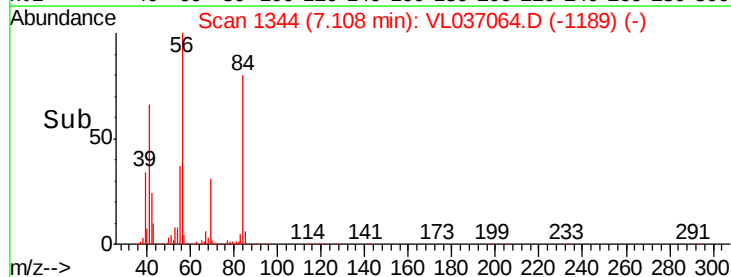
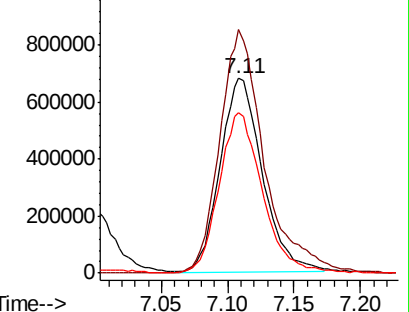
41 84.4 65.5 98.3

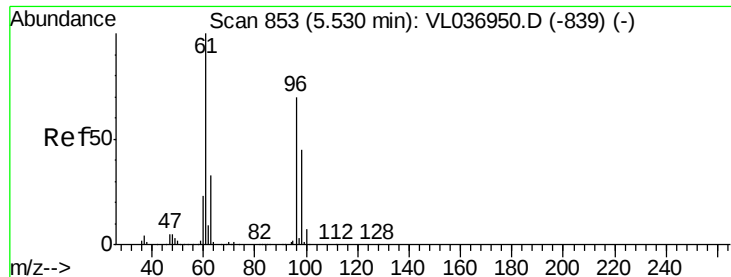


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



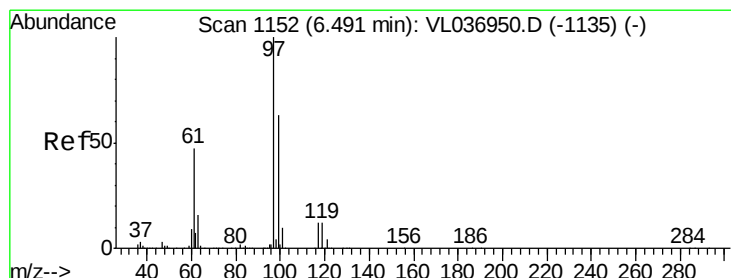
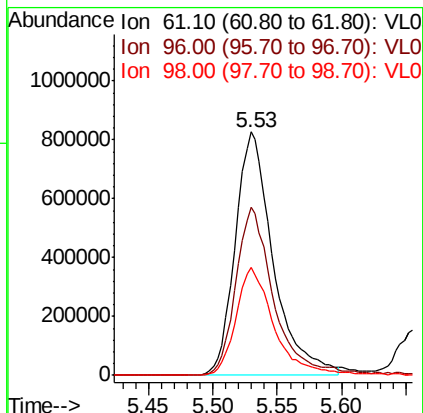
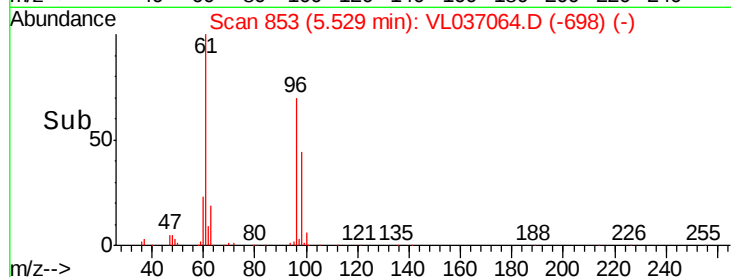
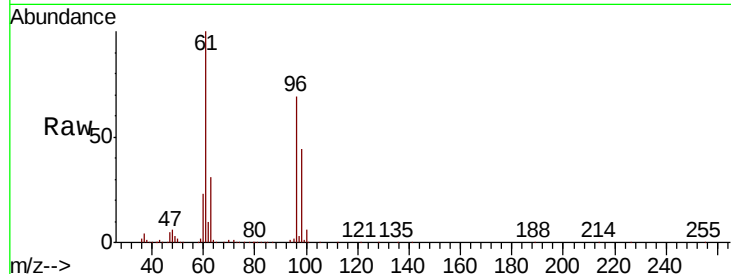


#31

cis-1,2-Dichloroethene  
 Concen: 10.229 ppbv  
 RT: 5.53 min Scan# 853  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Instrument :  
 MSVOA\_L  
 ClientSampleId :

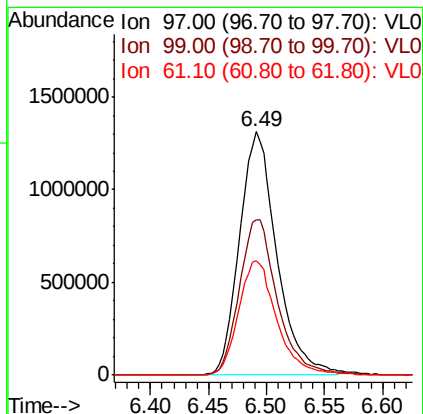
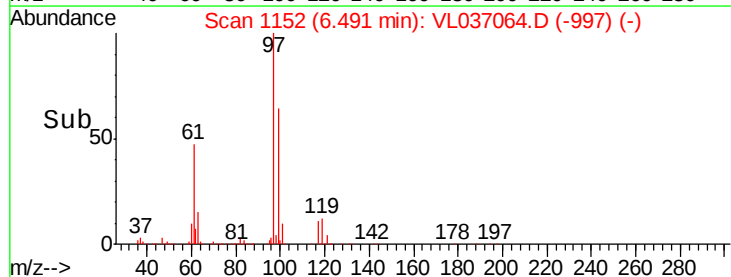
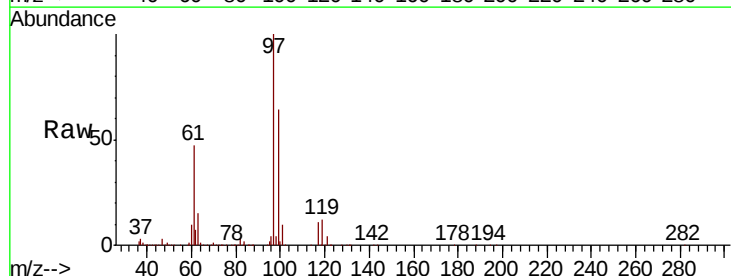
Tot Ion: 61 Resp: 1690570  
 Ion Ratio Lower Upper  
 61 100  
 96 69.0 55.9 83.9  
 98 44.2 35.6 53.4

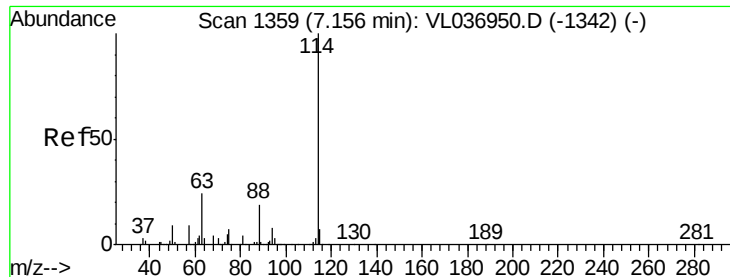


#32

1,1,1-Trichloroethane  
 Concen: 10.527 ppbv  
 RT: 6.49 min Scan# 1152  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion: 97 Resp: 2943788  
 Ion Ratio Lower Upper  
 97 100  
 99 65.3 51.9 77.9  
 61 48.4 37.6 56.4

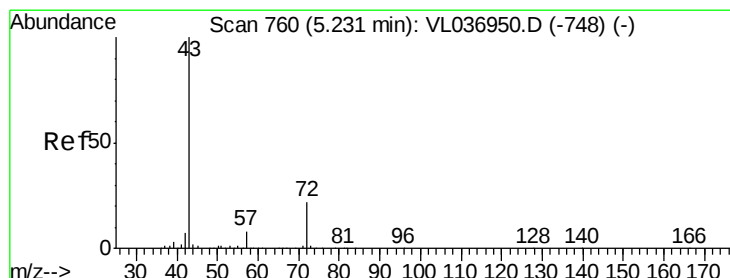
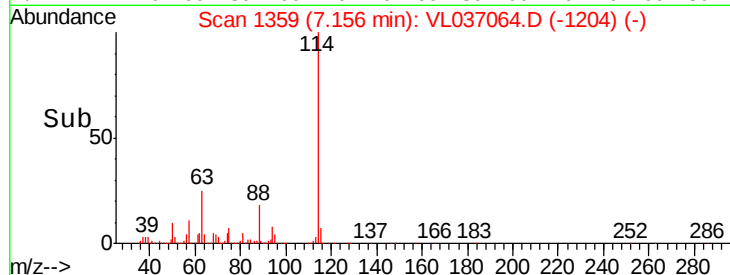
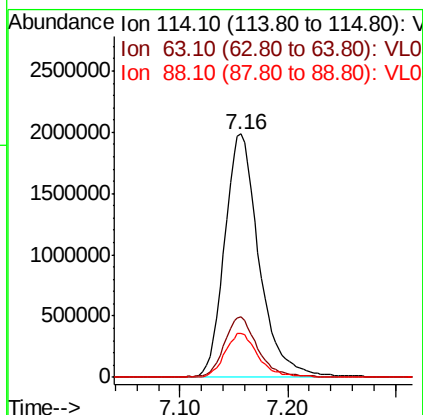
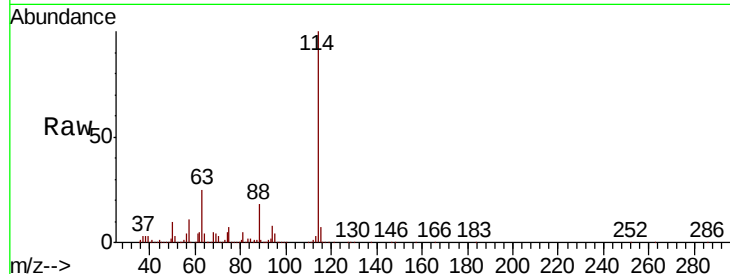




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.16 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

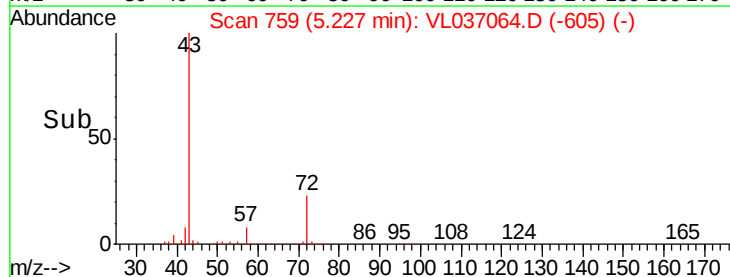
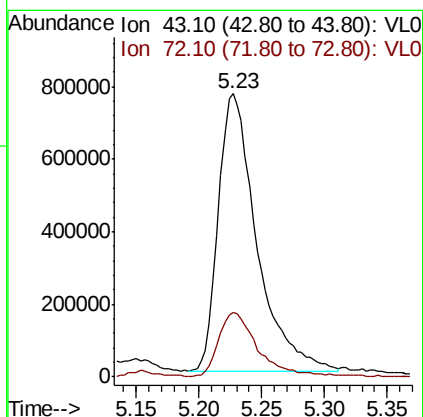
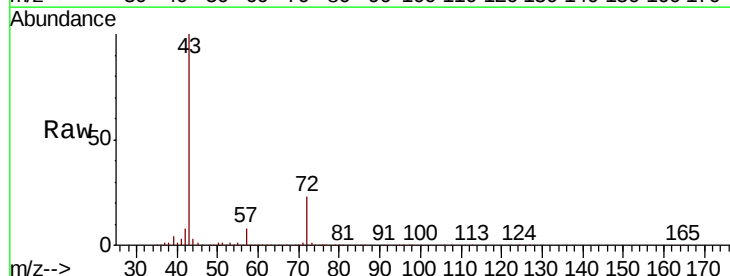
Instrument :  
 MSVOA\_L  
 ClientSampleId :

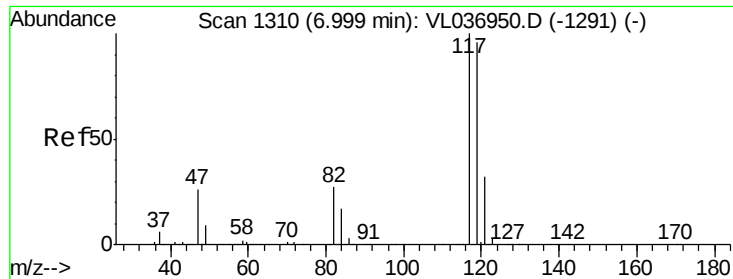
Tot Ion:114 Resp: 4415669  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 19.6 29.4  
 88 17.8 14.6 21.8



#34  
 2-Butanone  
 Concen: 10.125 ppbv  
 RT: 5.23 min Scan# 759  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion: 43 Resp: 1627987  
 Ion Ratio Lower Upper  
 43 100  
 72 24.6 19.0 28.4

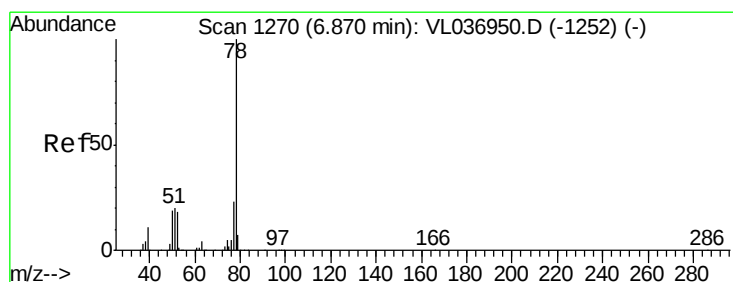
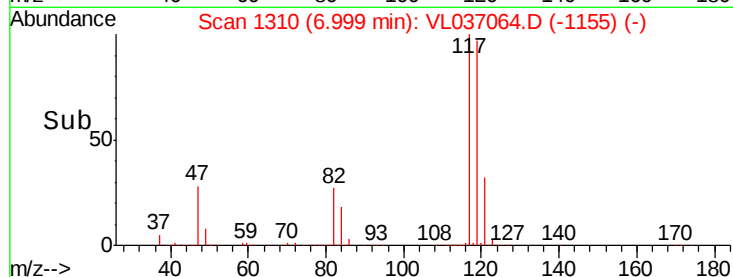
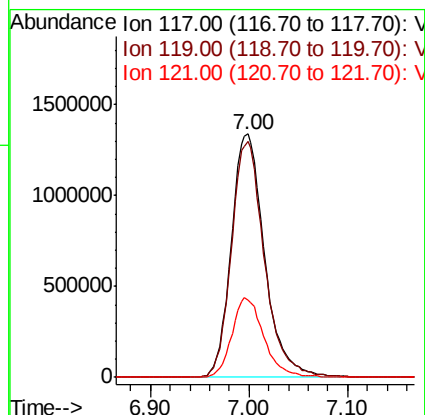
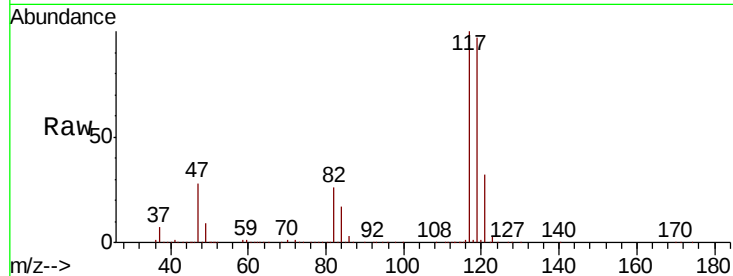




#35  
Carbon Tetrachloride  
Concen: 10.718 ppbv  
RT: 7.00 min Scan# 1310  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

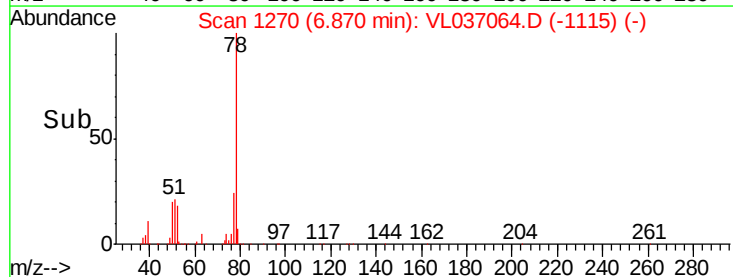
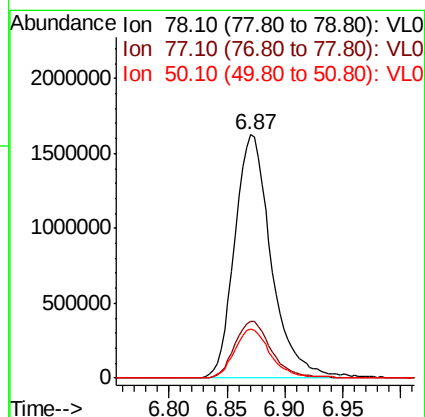
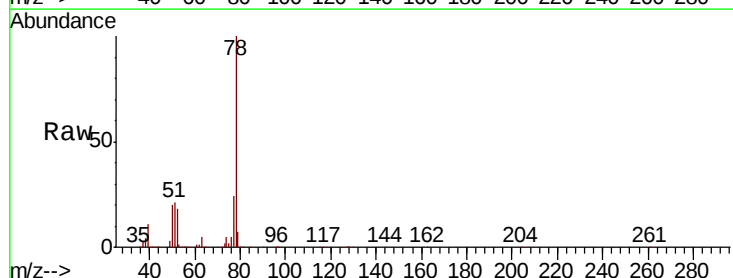
Instrument :  
MSVOA\_L  
ClientSampleId :

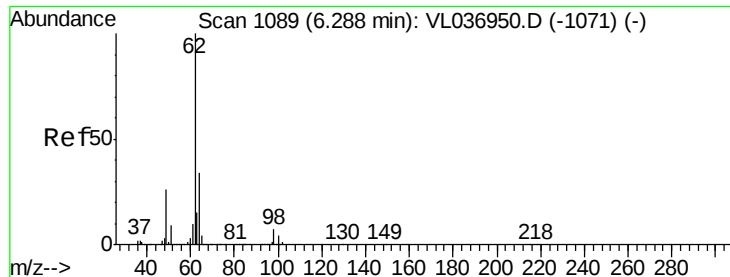
Tot Ion:117 Resp: 3144635  
Ion Ratio Lower Upper  
117 100  
119 96.9 76.6 114.8  
121 31.8 25.8 38.6



#36  
Benzene  
Concen: 9.377 ppbv  
RT: 6.87 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 78 Resp: 3566689  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.6 28.0  
50 19.9 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.036 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

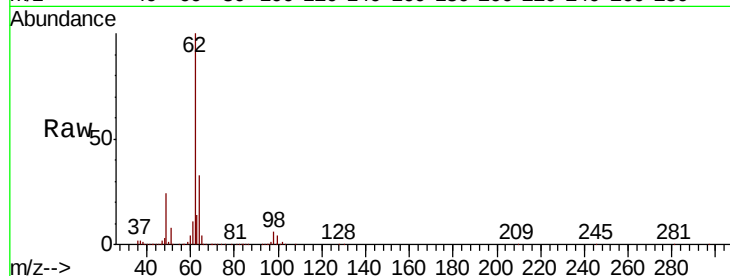
Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 62 Resp: 2080966

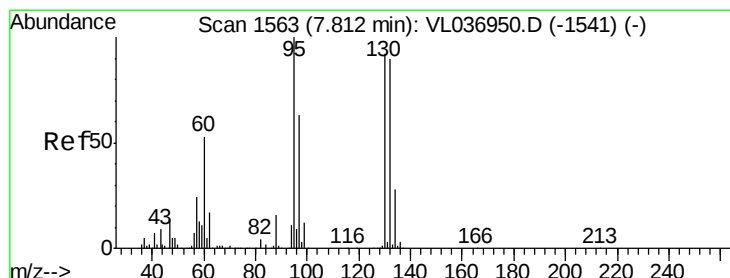
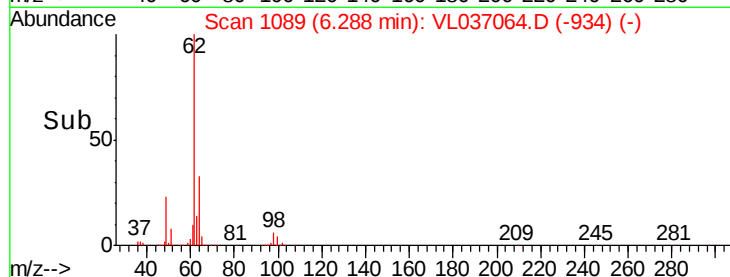
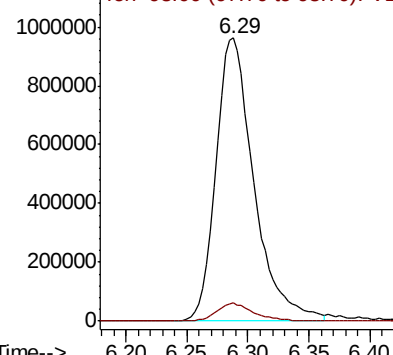
Ion Ratio Lower Upper

62 100

98 6.6 5.5 8.3



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



#38

Trichloroethene

Concen: 9.161 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Tgt Ion:130 Resp: 1490590

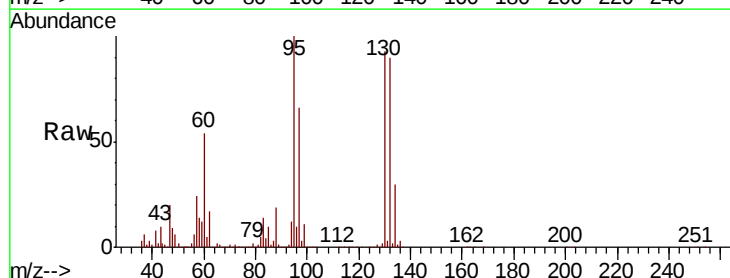
Ion Ratio Lower Upper

130 100

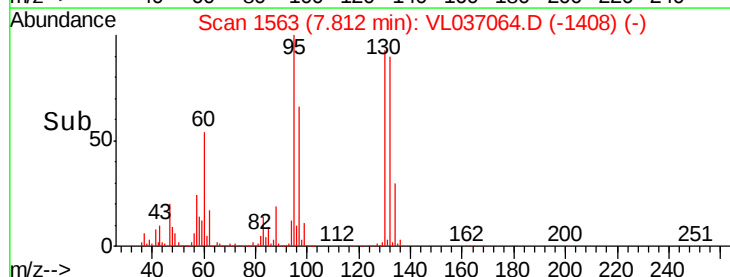
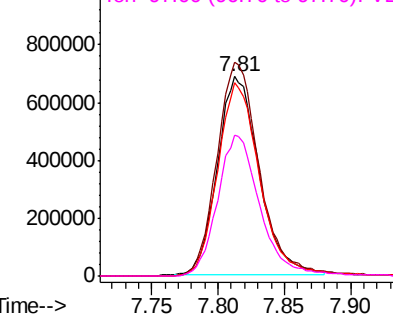
95 108.0 86.9 130.3

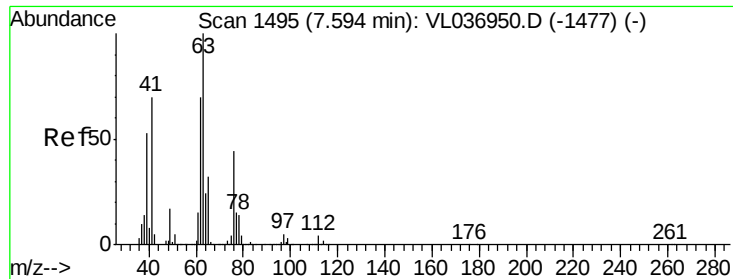
132 97.6 78.4 117.6

97 71.1 55.0 82.6



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

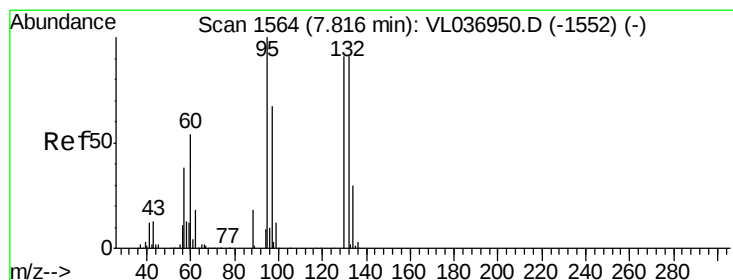
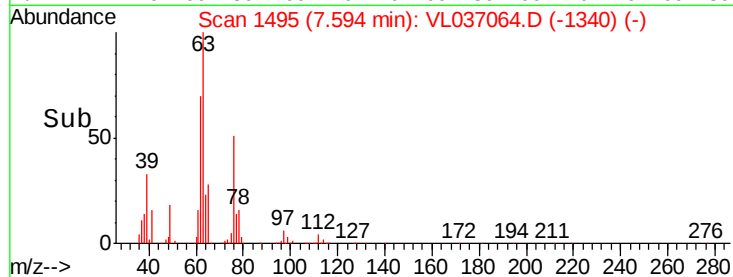
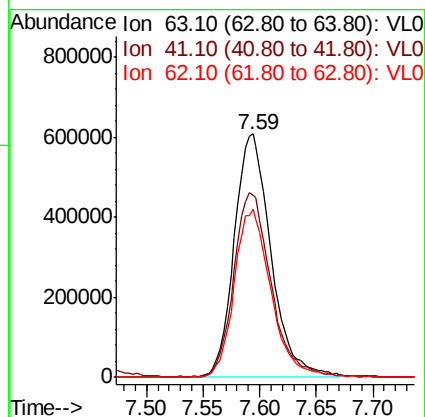
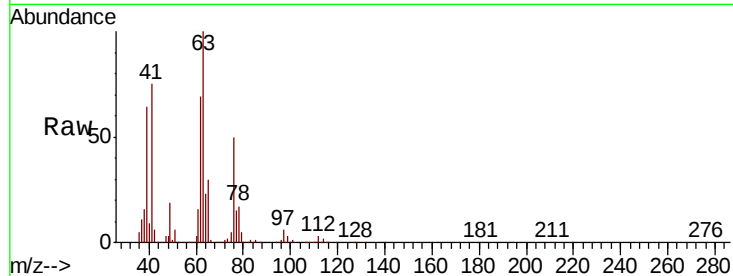




#39  
 1,2-Dichloropropane  
 Concen: 9.376 ppbv  
 RT: 7.59 min Scan# 1495  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

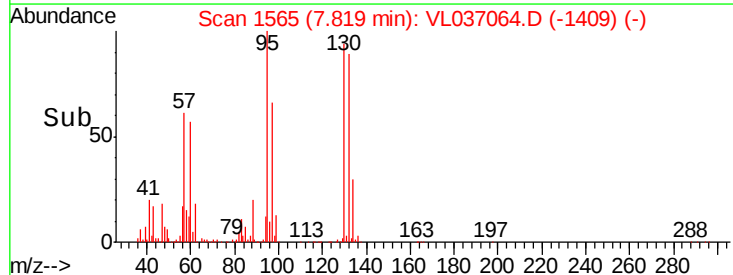
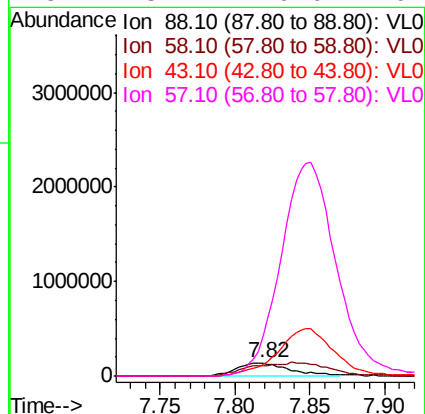
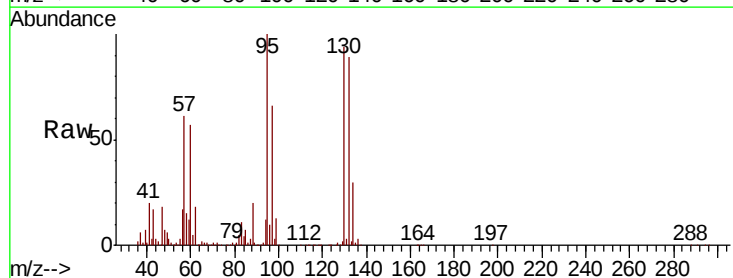
Instrument :  
 MSVOA\_L  
 ClientSampleId :

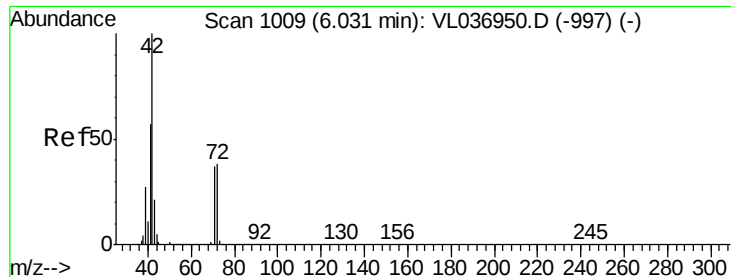
Tot Ion: 63 Resp: 1373809  
 Ion Ratio Lower Upper  
 63 100  
 41 74.6 55.7 83.5  
 62 69.2 56.2 84.4



#40  
 1,4-Dioxane  
 Concen: 9.787 ppbv  
 RT: 7.82 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion: 88 Resp: 338593  
 Ion Ratio Lower Upper  
 88 100  
 58 156.5 0.0 0.0#  
 43 392.9 0.0 0.0#  
 57 1737.7 0.0 0.0#

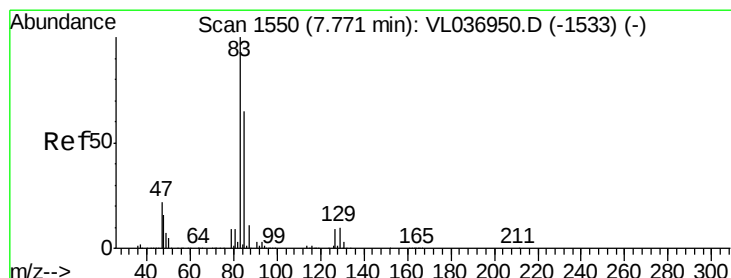
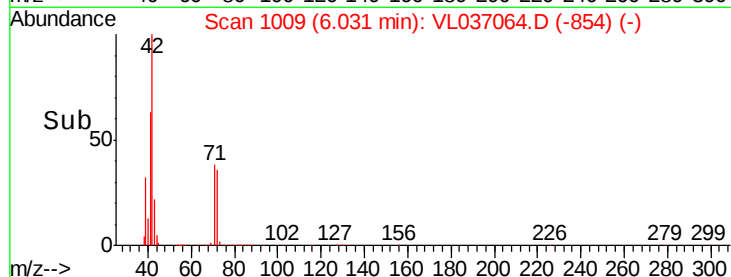
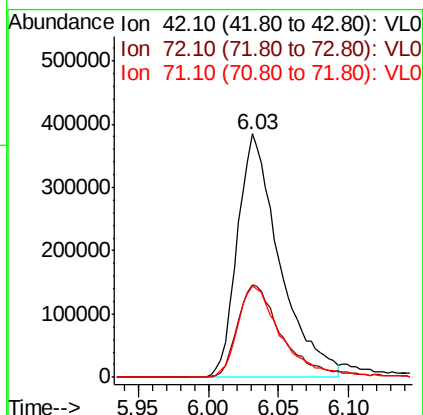
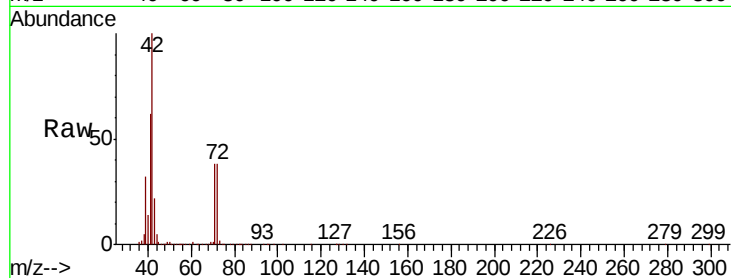




#41  
Tetrahydrofuran  
Concen: 8.786 ppbv  
RT: 6.03 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

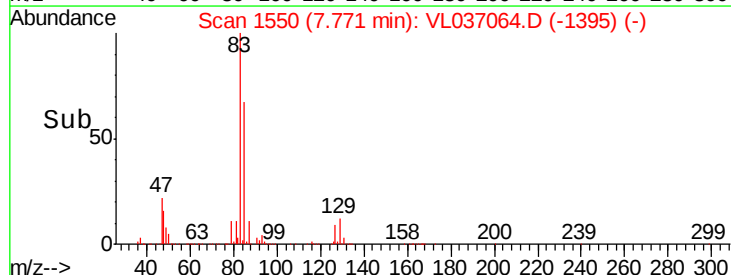
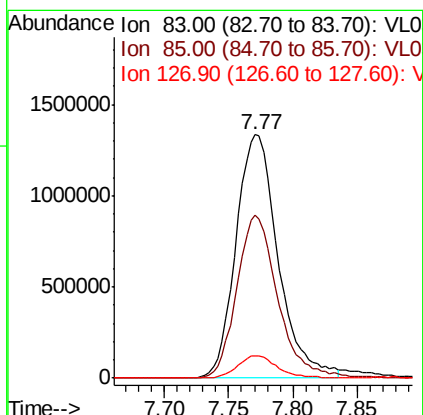
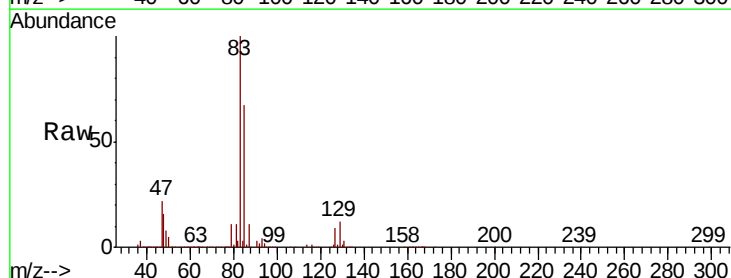
Instrument :  
MSVOA\_L  
ClientSampled :

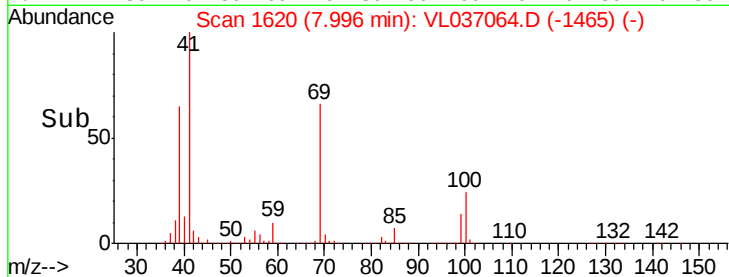
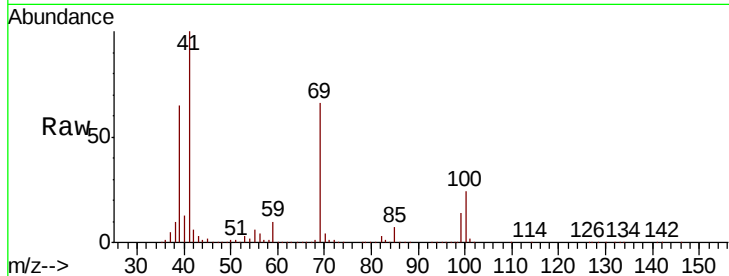
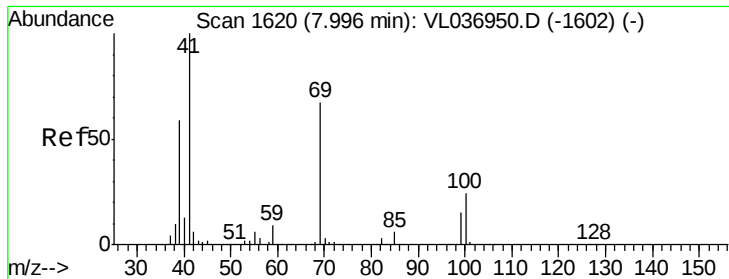
Tot Ion: 42 Resp: 804556  
Ion Ratio Lower Upper  
42 100  
72 40.9 31.4 47.2  
71 40.1 30.4 45.6



#42  
Bromodichloromethane  
Concen: 10.647 ppbv  
RT: 7.77 min Scan# 1550  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 83 Resp: 3037491  
Ion Ratio Lower Upper  
83 100  
85 67.0 51.7 77.5  
127 9.1 6.9 10.3





#43

Methyl Methacrylate

Concen: 10.054 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.00 min

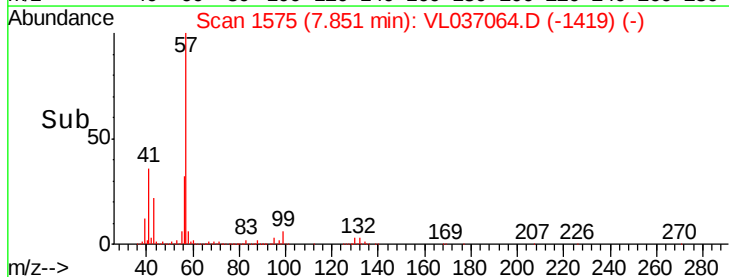
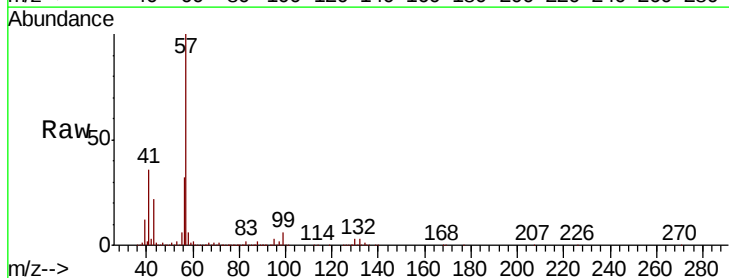
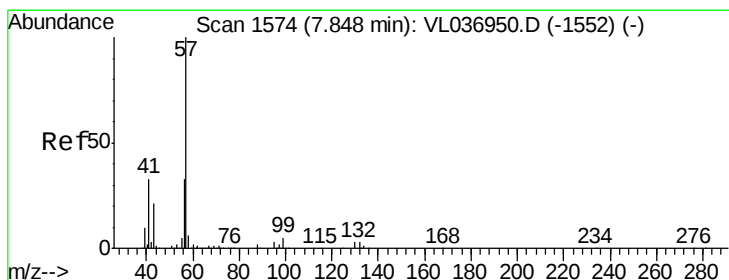
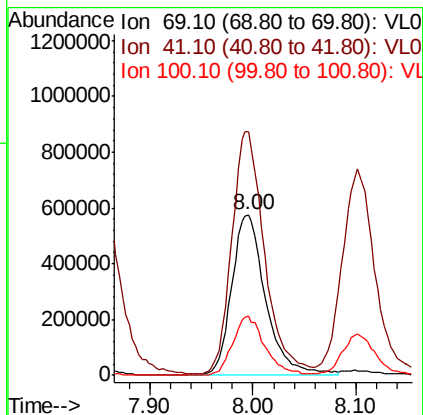
Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 69 Resp: 1318019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 146.5 | 118.6 | 178.0 |
| 100 | 35.0  | 28.2  | 42.4  |



#44

2,2,4-Trimethylpentane

Concen: 9.003 ppbv

RT: 7.85 min Scan# 1575

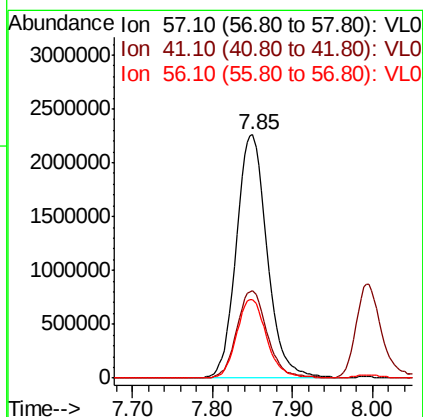
Delta R.T. 0.00 min

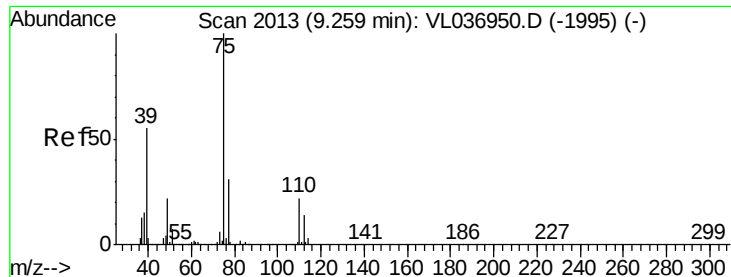
Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Tgt Ion: 57 Resp: 5874505

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 35.3  | 27.0  | 40.4  |
| 56  | 31.5  | 25.4  | 38.2  |

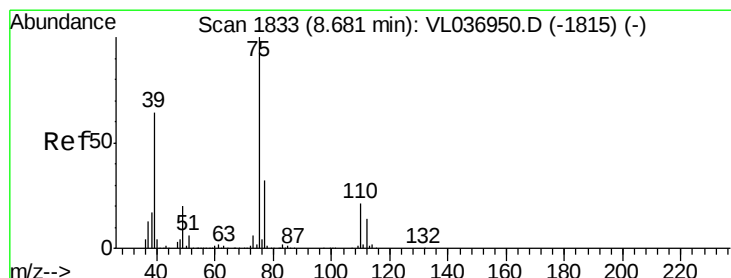
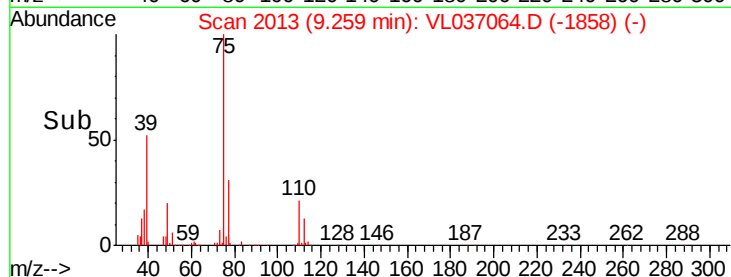
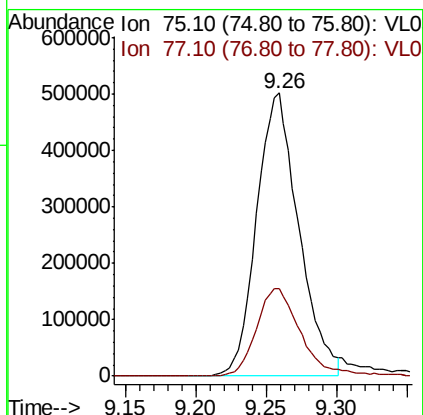
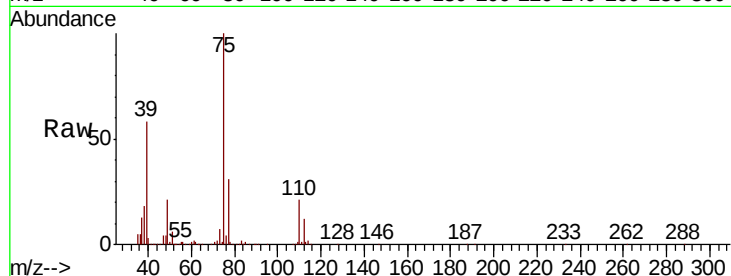




#45  
t-1,3-Dichloropropene  
Concen: 10.443 ppbv  
RT: 9.26 min Scan# 2013  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

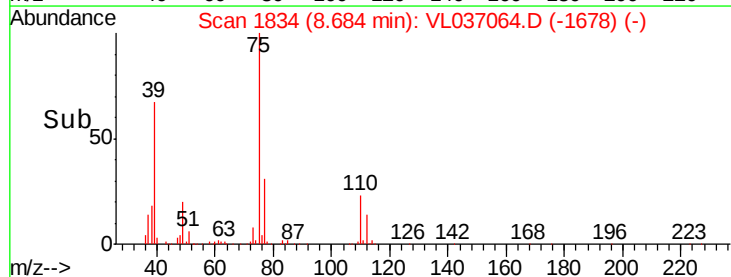
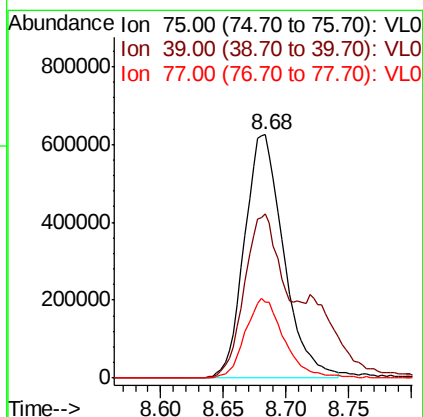
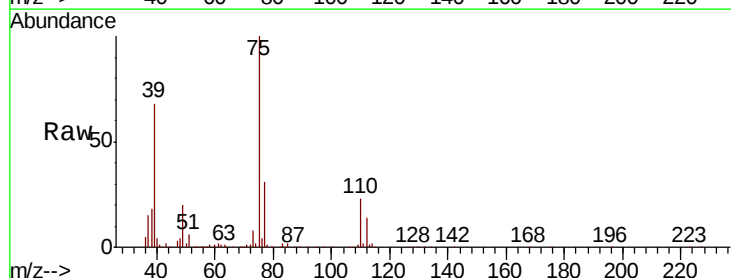
Instrument :  
MSVOA\_L  
ClientSampled :

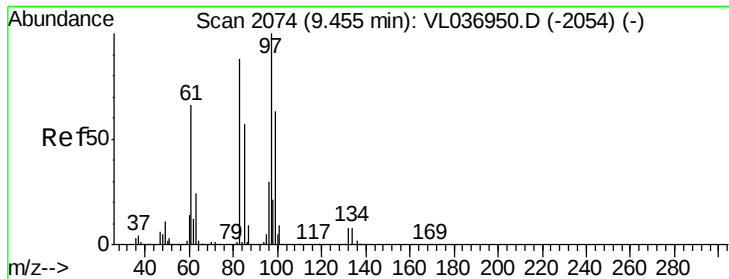
Tot Ion: 75 Resp: 1045903  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.4 36.6



#46  
cis-1,3-Dichloropropene  
Concen: 10.091 ppbv  
RT: 8.68 min Scan# 1834  
Delta R.T. 0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 75 Resp: 1359413  
Ion Ratio Lower Upper  
75 100  
39 67.5 51.5 77.3  
77 31.3 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.000 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. -0.00 min

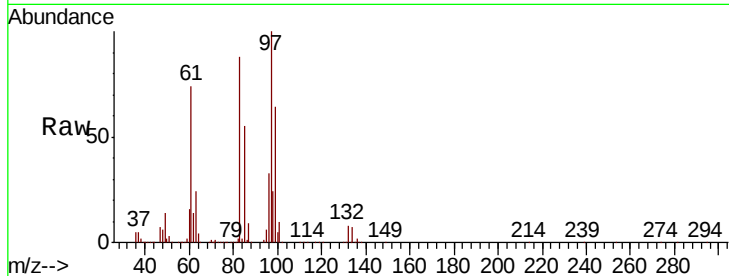
Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 97 Resp: 1533544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.6  | 70.4  | 105.6 |
| 85  | 55.2  | 45.5  | 68.3  |
| 99  | 64.2  | 50.2  | 75.2  |



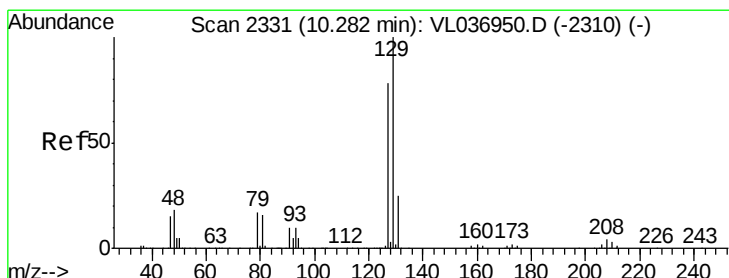
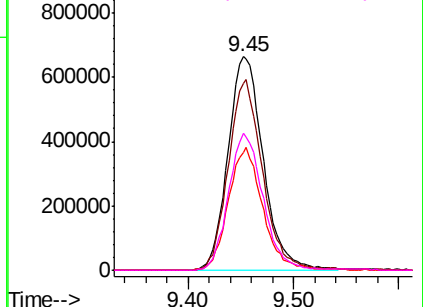
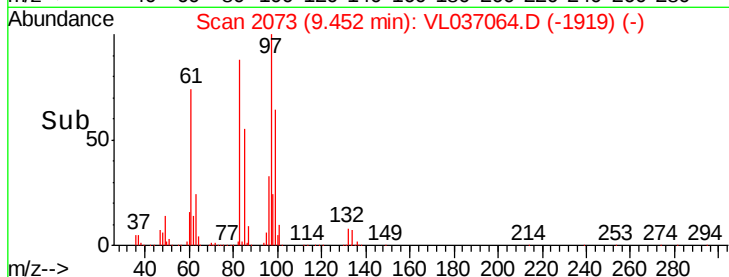
Abundance

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: 11.286 ppbv

RT: 10.28 min Scan# 2332

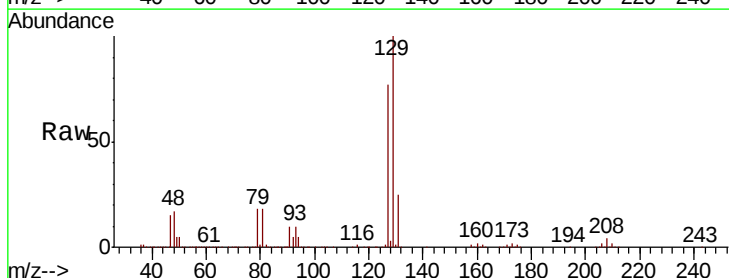
Delta R.T. 0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Tgt Ion: 129 Resp: 2802420

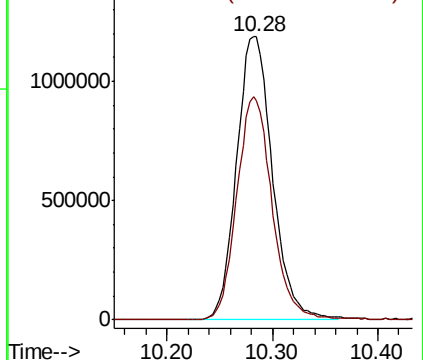
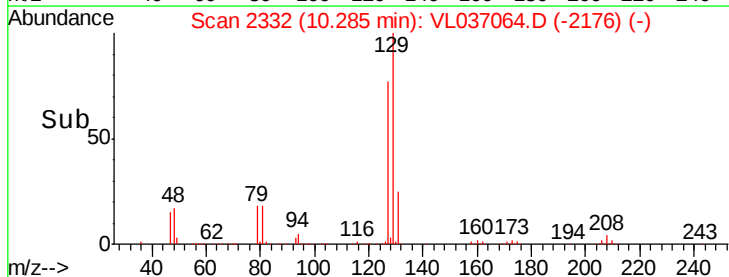
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.3  | 39.3  | 117.8 |

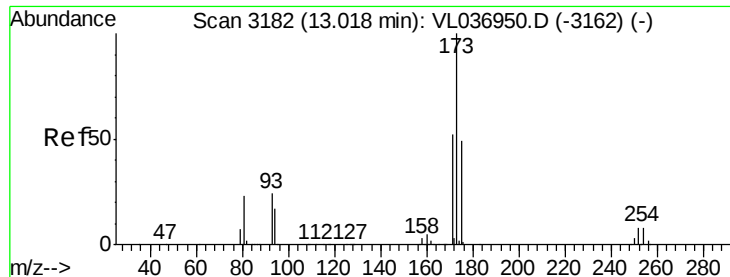


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.423 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

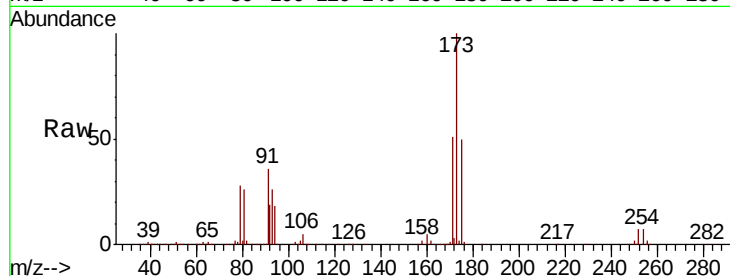
Tot Ion:173 Resp: 2342395

Ion Ratio Lower Upper

173 100

175 50.1 40.4 60.6

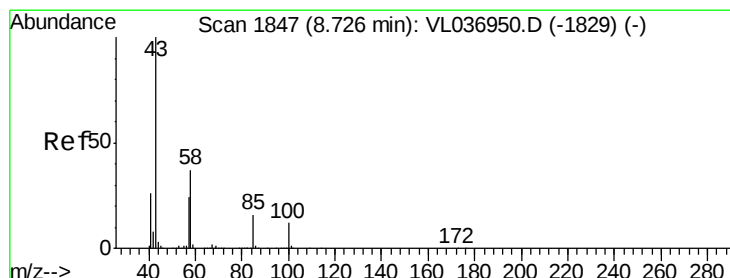
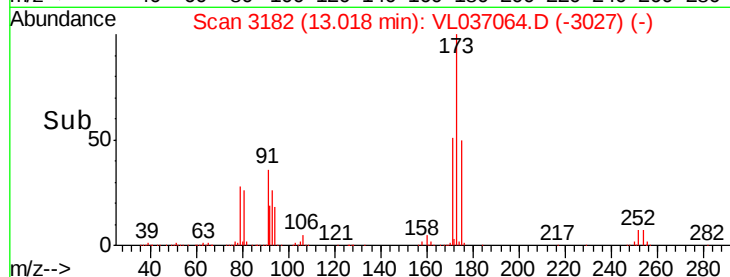
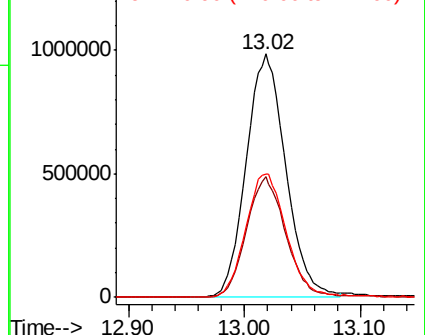
171 53.0 42.6 64.0



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: 9.582 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL037064.D

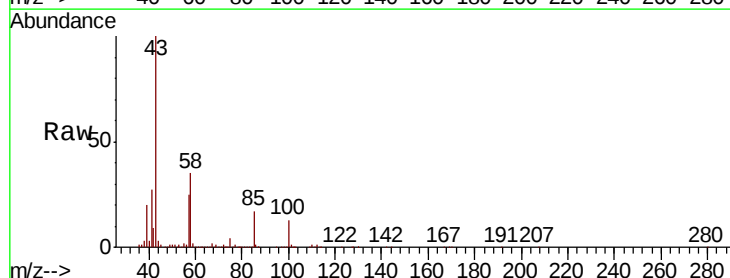
Acq: 1 Jun 2021 9:40

Tgt Ion: 43 Resp: 2542238

Ion Ratio Lower Upper

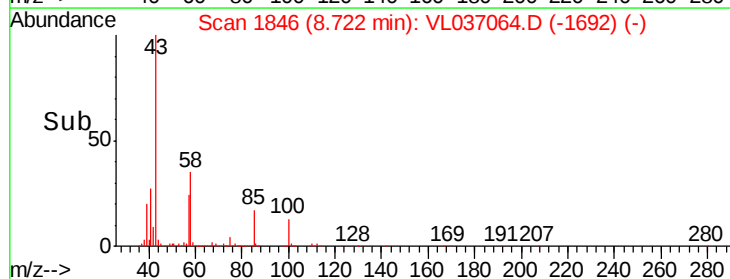
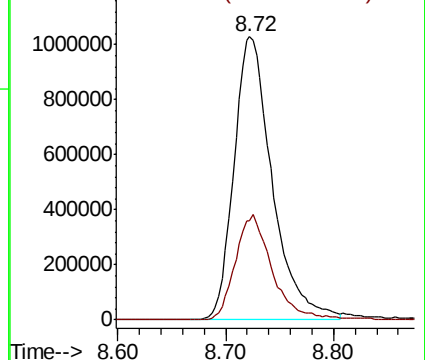
43 100

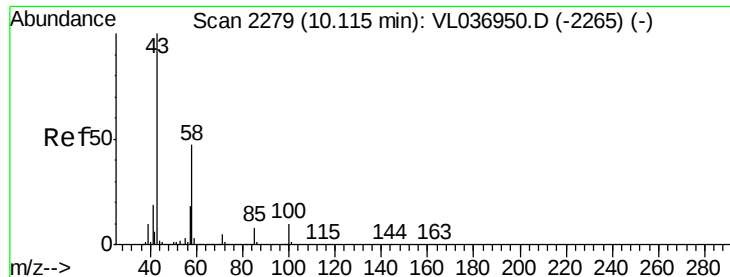
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

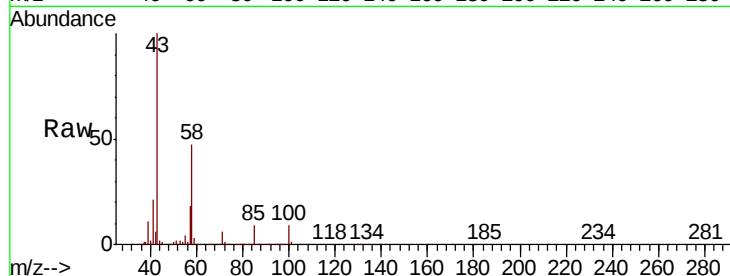




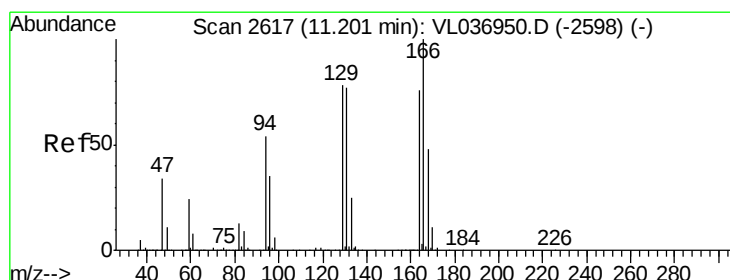
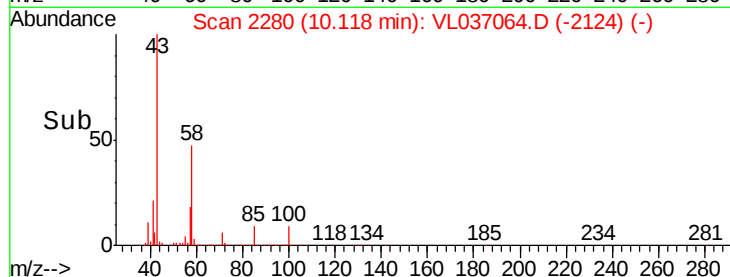
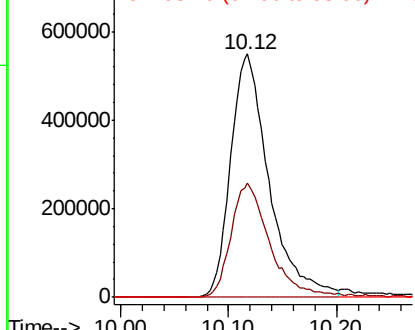
#51  
2-Hexanone  
Concen: 9.724 ppbv  
RT: 10.12 min Scan# 2280  
Delta R.T. 0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 43 Resp: 1363855  
Ion Ratio Lower Upper  
43 100  
58 48.4 41.1 61.7  
98 0.2 0.1 0.1#

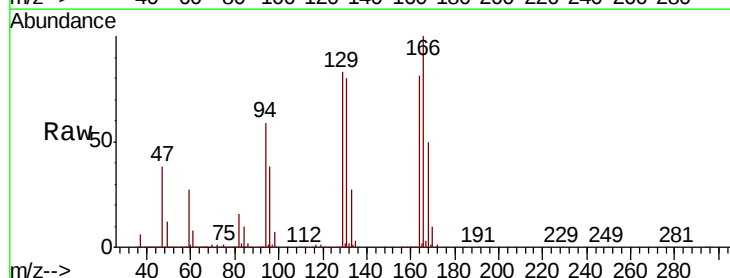


Abundance Ion 43.10 (42.80 to 43.80): VL0  
Ion 58.10 (57.80 to 58.80): VL0  
Ion 98.20 (97.90 to 98.90): VL0

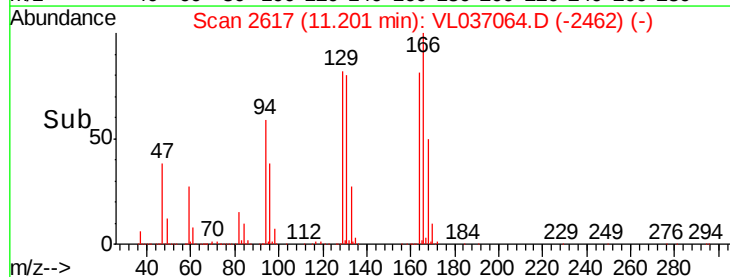
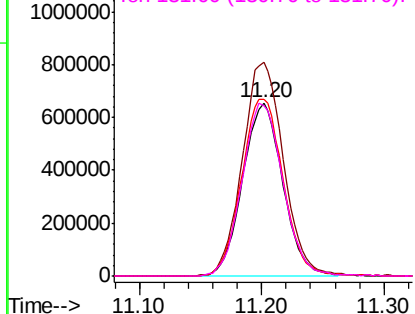


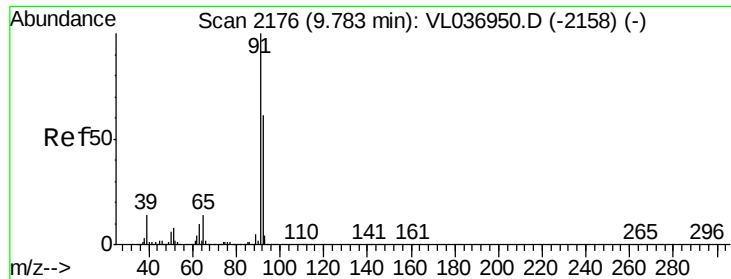
#52  
Tetrachloroethene  
Concen: 9.779 ppbv  
RT: 11.20 min Scan# 2617  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 164 Resp: 1479086  
Ion Ratio Lower Upper  
164 100  
166 123.4 105.5 158.3  
129 101.8 81.8 122.8  
131 98.5 81.2 121.8



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: 9.514 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

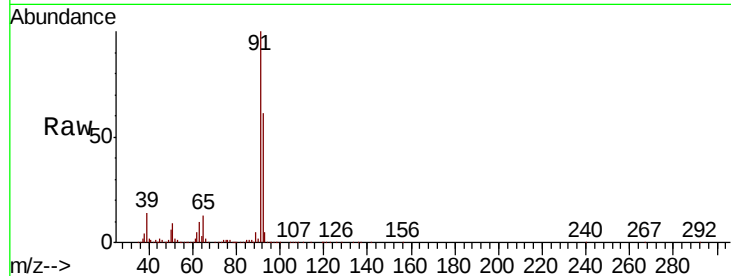
ClientSampled :

Tot Ion: 91 Resp: 4305492

Ion Ratio Lower Upper

91 100

92 61.1 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.78

2000000

1500000

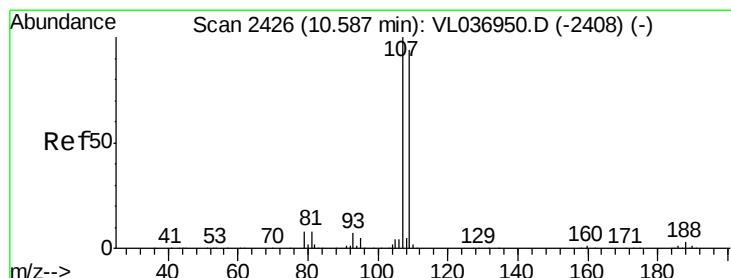
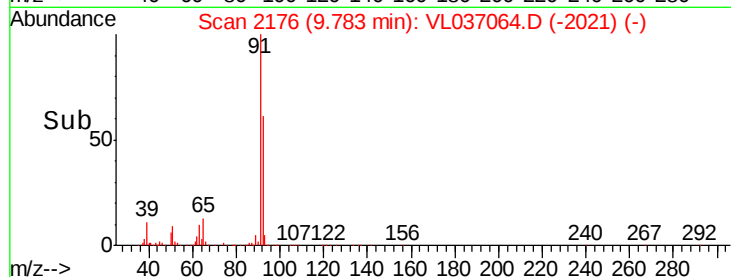
1000000

500000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 10.538 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037064.D

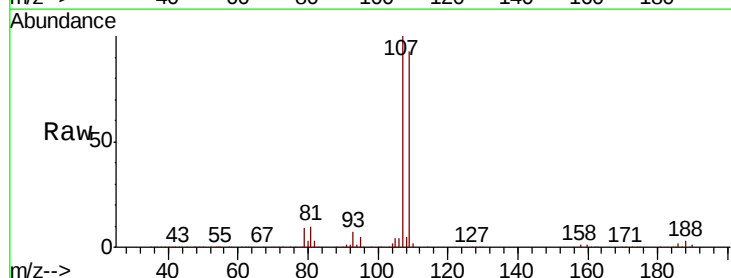
Acq: 1 Jun 2021 9:40

Tgt Ion: 107 Resp: 2297421

Ion Ratio Lower Upper

107 100

109 93.2 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

1000000

800000

600000

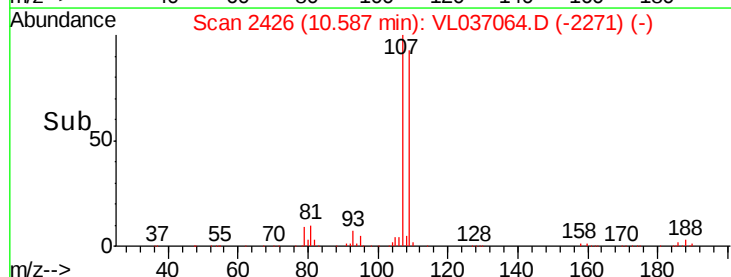
400000

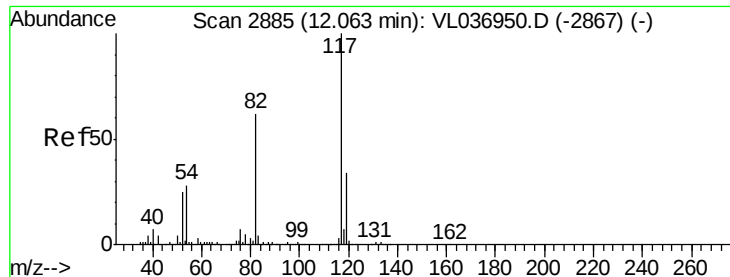
200000

0

10.50 10.60 10.70

Time-->





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

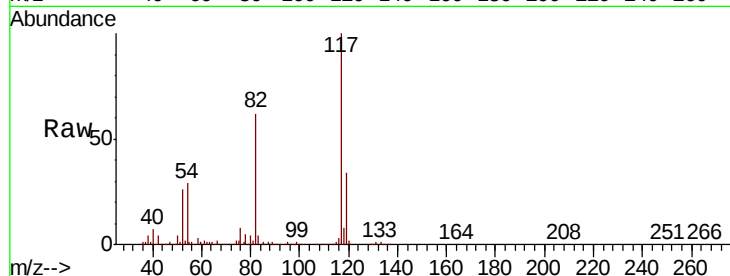
Tot Ion:117 Resp: 5221748

Ion Ratio Lower Upper

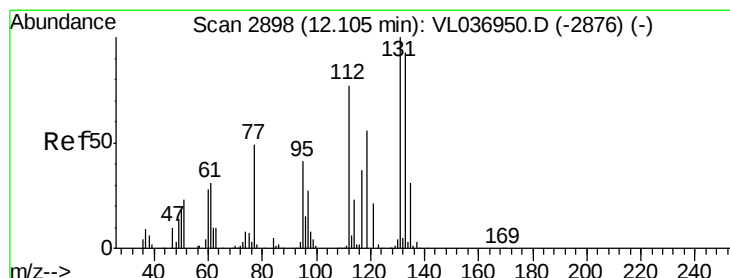
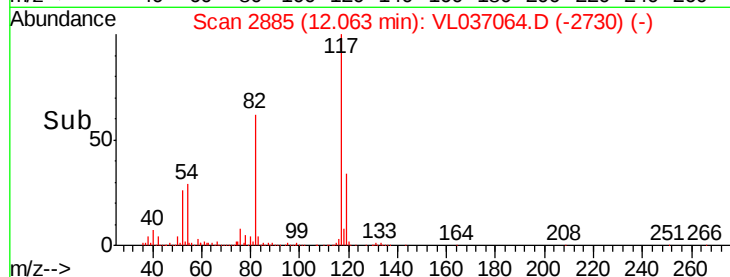
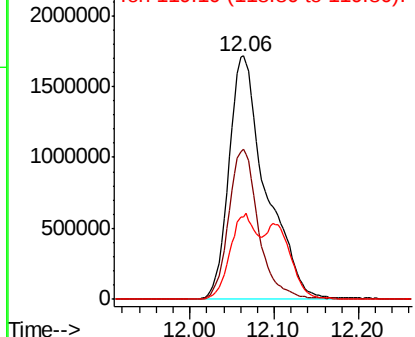
117 100

82 50.3 52.6 79.0#

119 24.8 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.616 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

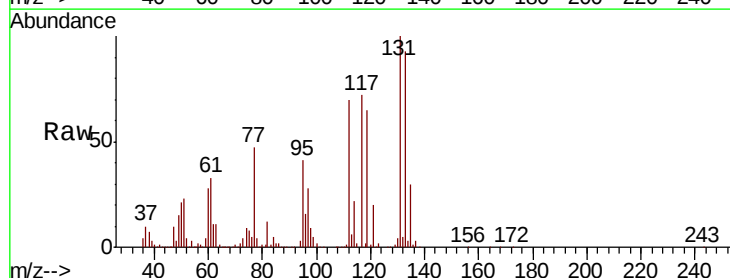
Tgt Ion:131 Resp: 1893140

Ion Ratio Lower Upper

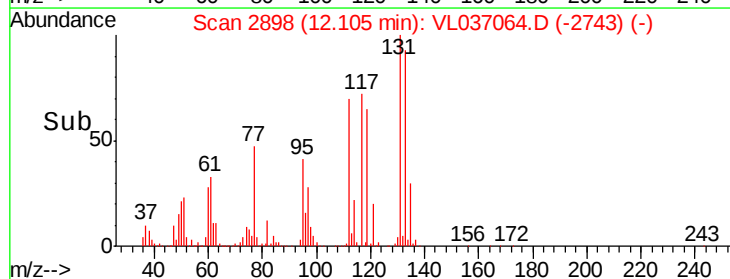
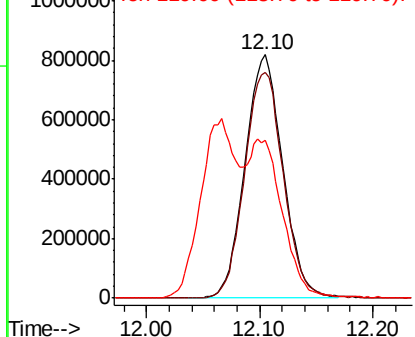
131 100

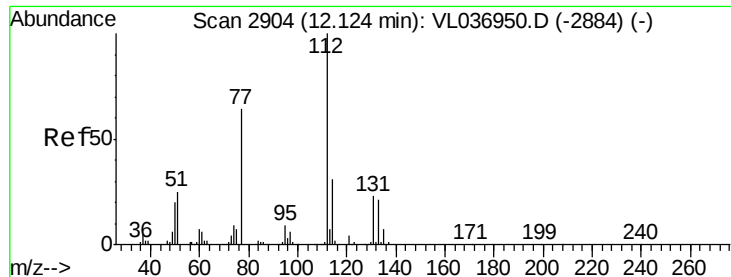
133 96.4 76.9 115.3

119 59.2 120.2 180.4#



Abundance Ion 131.00 (130.70 to 131.70): V  
Ion 133.00 (132.70 to 133.70): V  
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.063 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

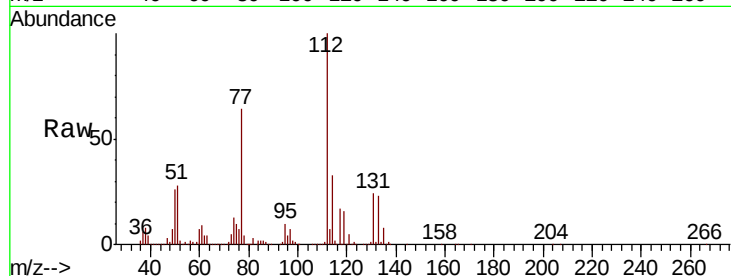
Tot Ion:112 Resp: 3264529

Ion Ratio Lower Upper

112 100

77 63.3 51.0 76.6

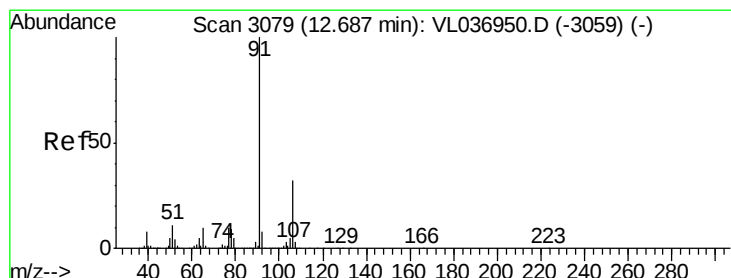
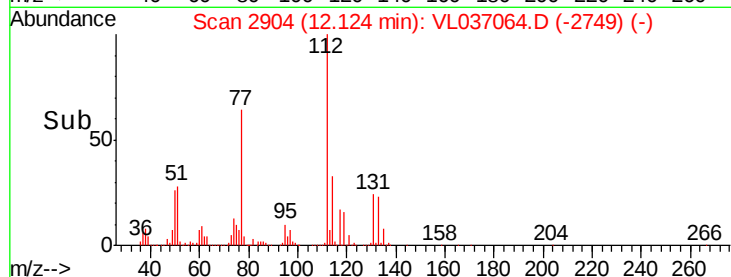
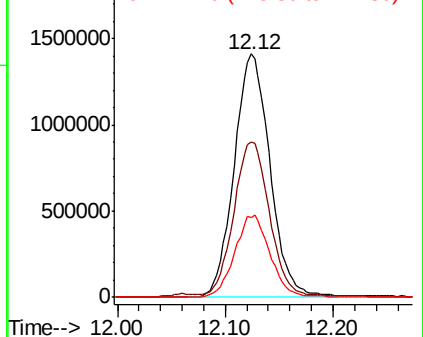
114 32.8 28.3 34.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.793 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL037064.D

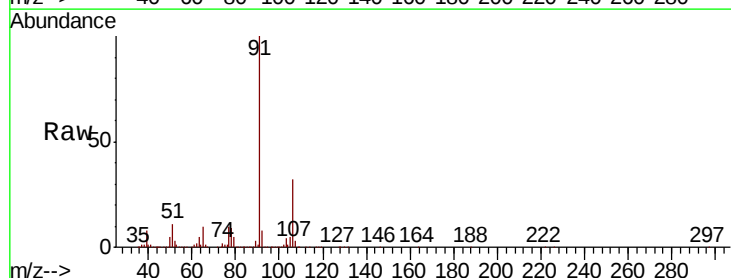
Acq: 1 Jun 2021 9:40

Tgt Ion: 91 Resp: 5743317

Ion Ratio Lower Upper

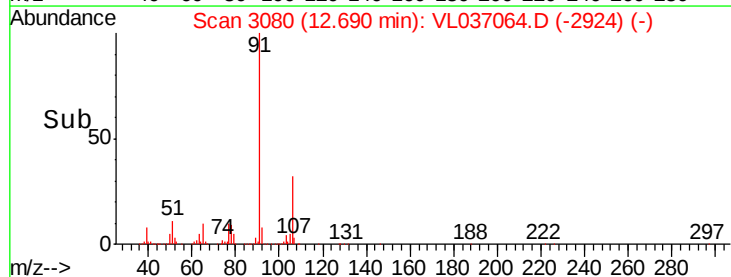
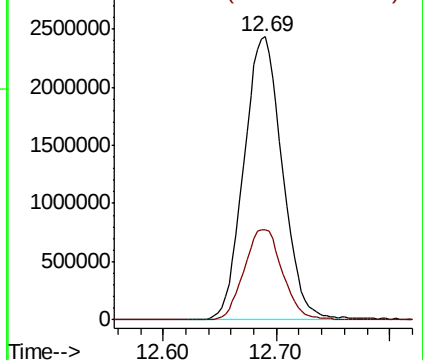
91 100

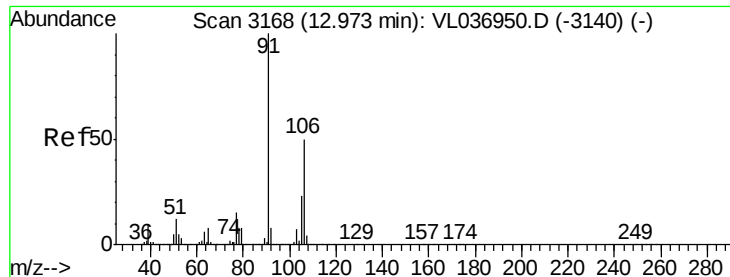
106 31.8 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

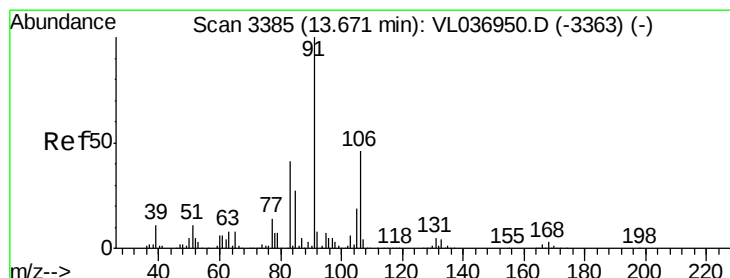
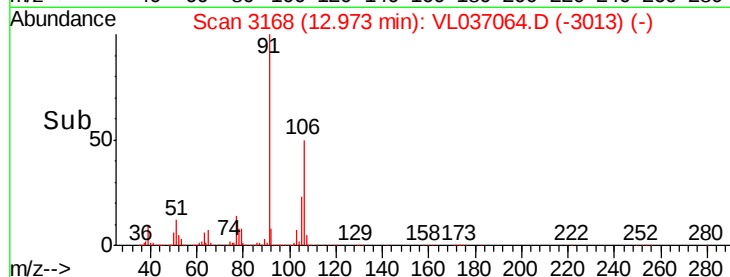
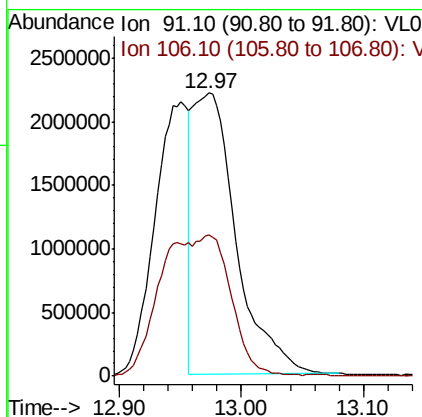
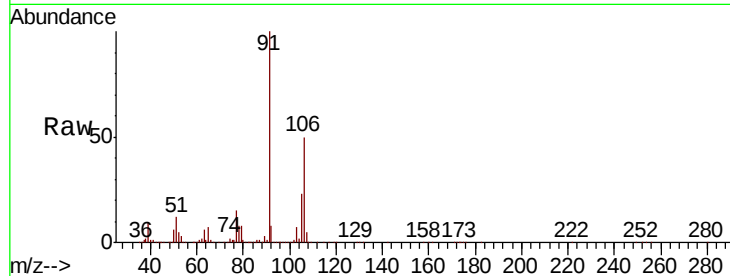




#59  
m/p-Xylene  
Concen: 8.921 ppbv  
RT: 12.97 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

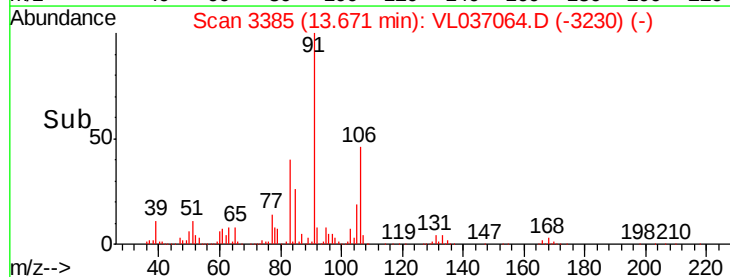
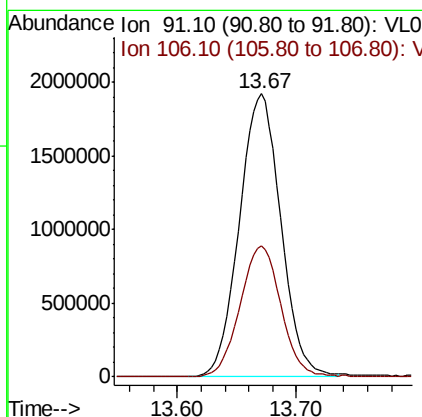
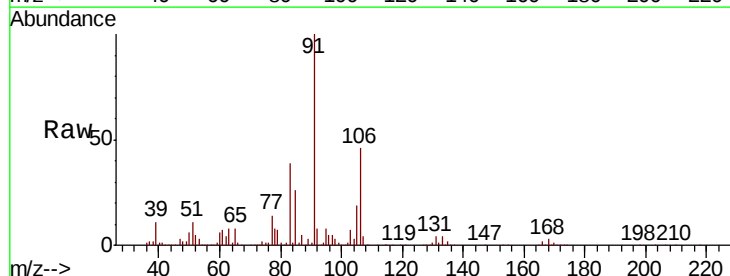
Instrument :  
MSVOA\_L  
ClientSampled :

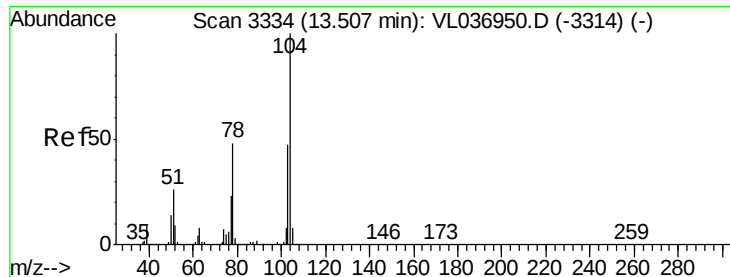
Tot Ion: 91 Resp: 5434824  
Ion Ratio Lower Upper  
91 100  
106 82.2 37.4 56.2#



#60  
o-Xylene  
Concen: 7.957 ppbv  
RT: 13.67 min Scan# 3385  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 91 Resp: 4623226  
Ion Ratio Lower Upper  
91 100  
106 46.1 23.4 70.3





#61

Stvrene

Concen: 8.240 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

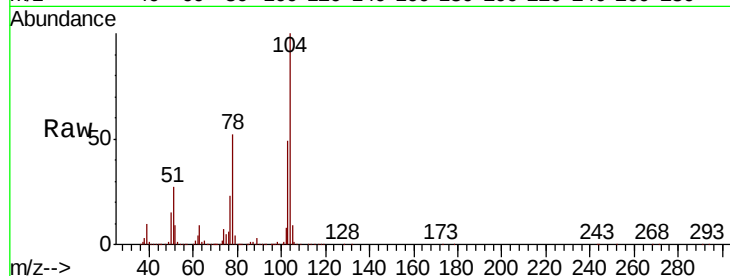
Tot Ion:104 Resp: 2697242

Ion Ratio Lower Upper

104 100

78 51.0 39.0 58.6

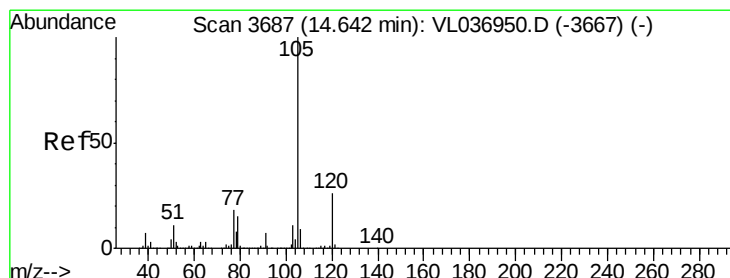
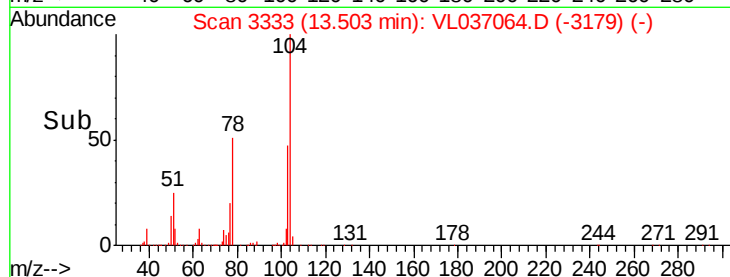
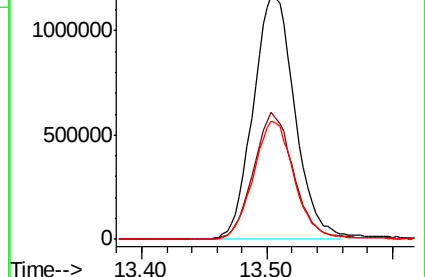
103 48.1 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.817 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037064.D

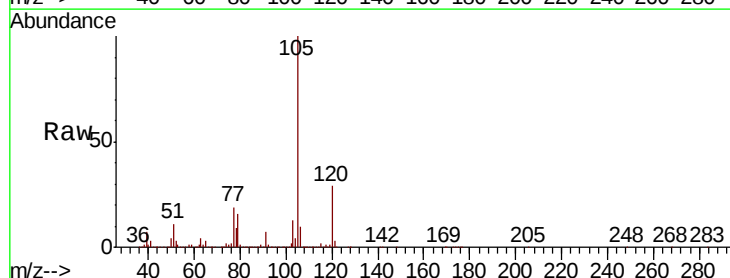
Acq: 1 Jun 2021 9:40

Tgt Ion:105 Resp: 6527758

Ion Ratio Lower Upper

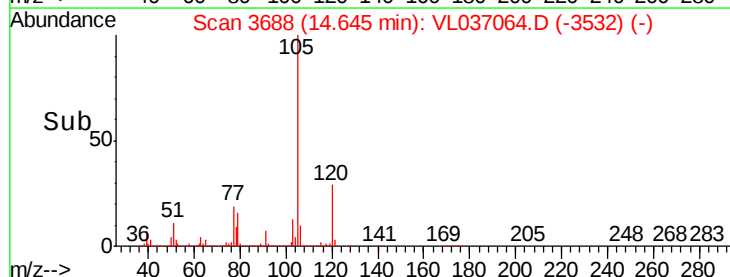
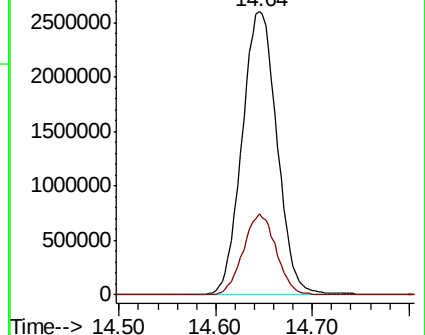
105 100

120 27.3 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.284 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

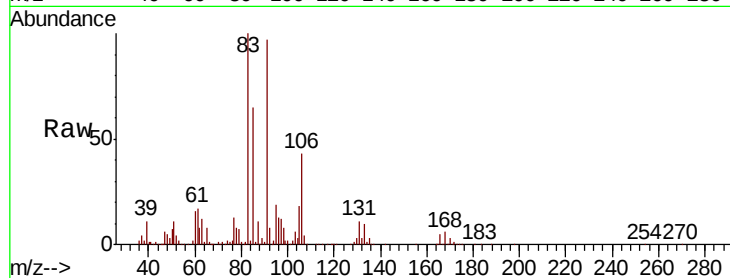
Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion: 83 Resp: 3160732

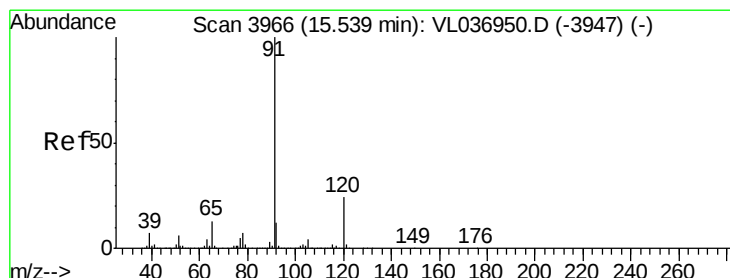
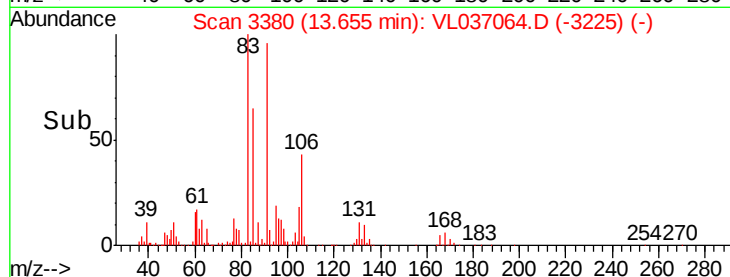
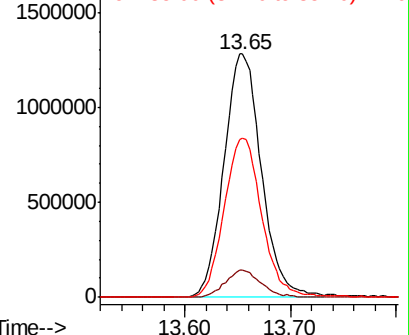
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.9  | 5.0   | 15.0  |
| 85  | 65.9  | 32.9  | 98.6  |



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.311 ppbv

RT: 15.54 min Scan# 3967

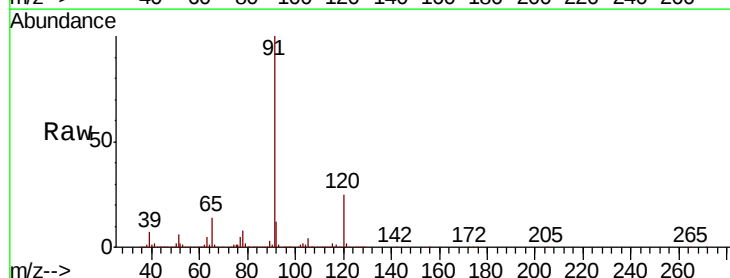
Delta R.T. 0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

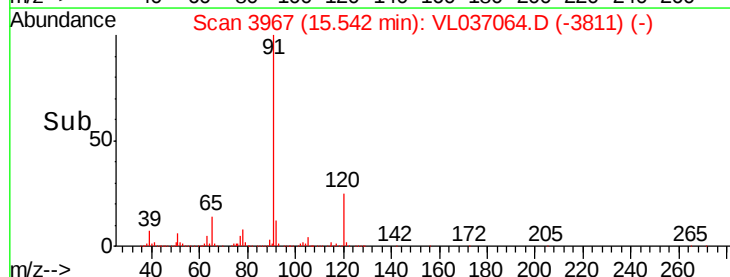
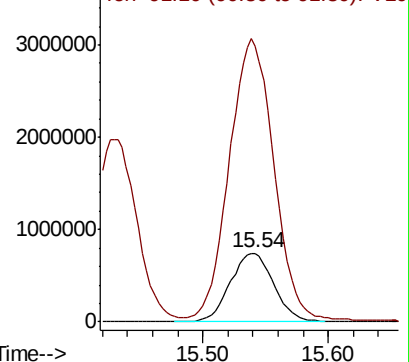
Tgt Ion:120 Resp: 1790561

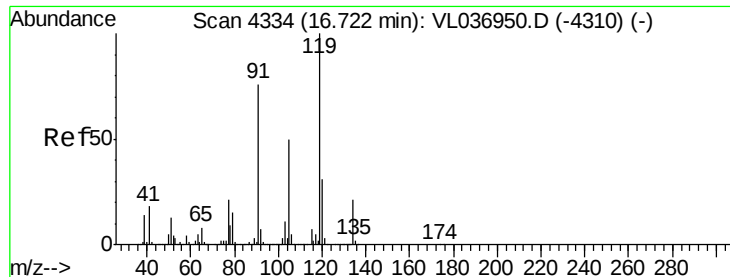
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 120 | 100   |       |       |
| 91  | 428.2 | 343.8 | 515.6 |



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

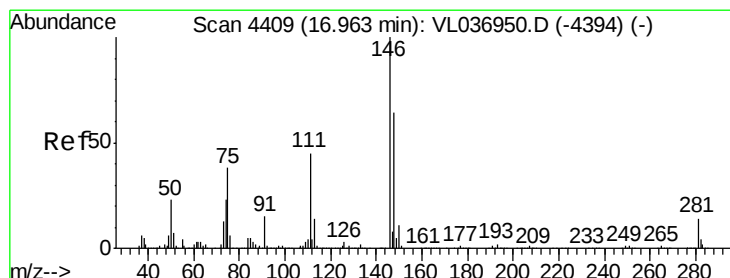
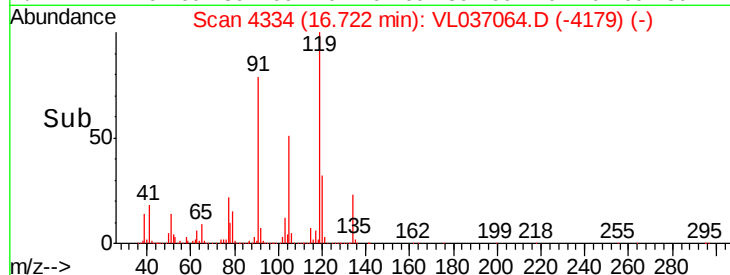
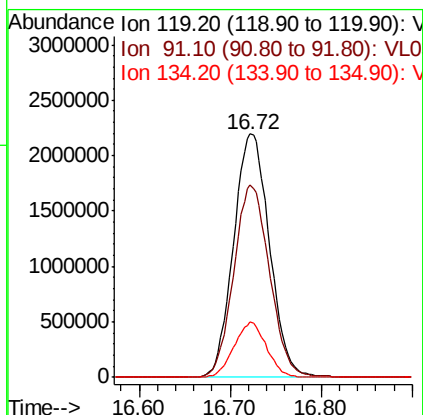
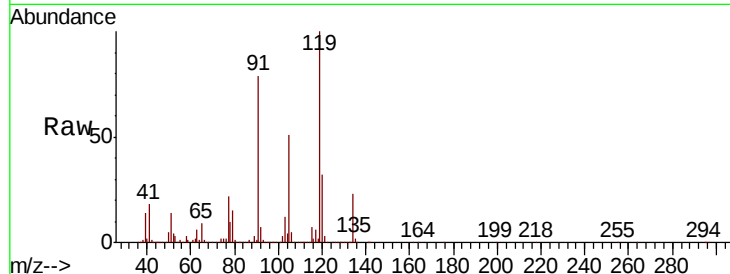




#65  
tert-Butylbenzene  
Concen: 7.982 ppbv  
RT: 16.72 min Scan# 4334  
Delta R.T. -0.00 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

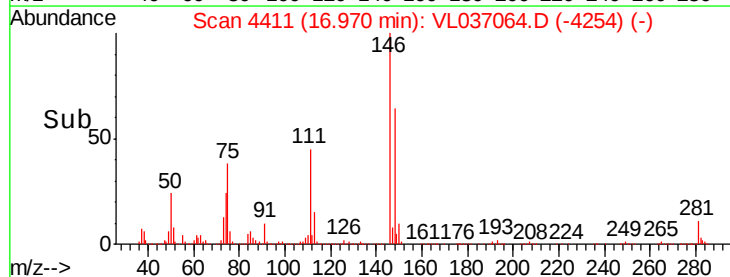
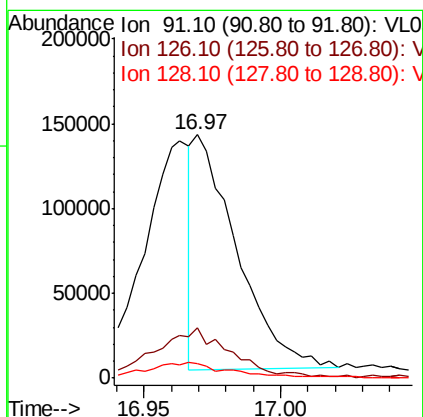
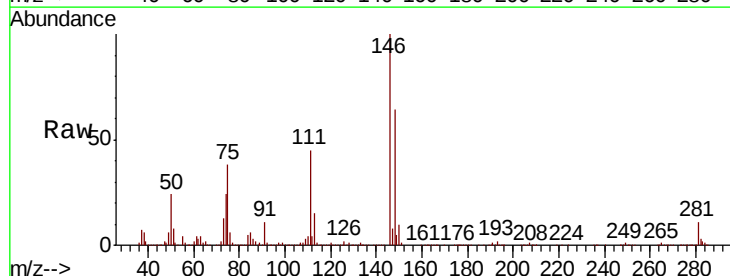
Instrument :  
MSVOA\_L  
ClientSampleId :

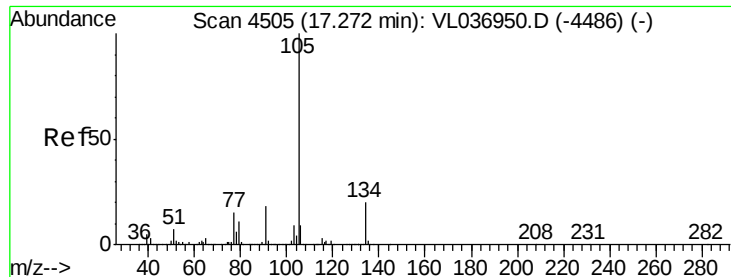
Tot Ion:119 Resp: 6014215  
Ion Ratio Lower Upper  
119 100  
91 79.0 61.9 92.9  
134 20.5 16.2 24.4



#66  
Benzyl Chloride  
Concen: 3.621 ppbv  
RT: 16.97 min Scan# 4411  
Delta R.T. 0.01 min  
Lab File: VL037064.D  
Acq: 1 Jun 2021 9:40

Tgt Ion: 91 Resp: 151386  
Ion Ratio Lower Upper  
91 100  
126 41.3 16.5 24.7#  
128 14.1 5.5 8.3#





#67

sec-Butylbenzene

Concen: 7.841 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

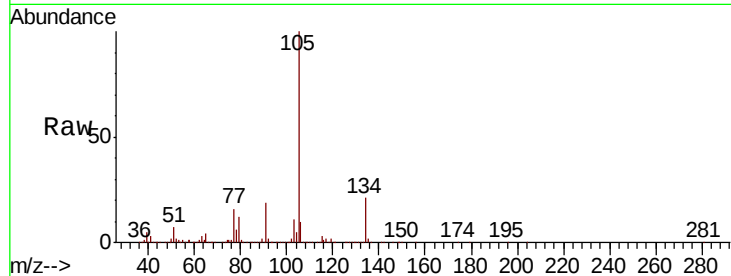
ClientSampleId :

Tot Ion:105 Resp: 8059464

Ion Ratio Lower Upper

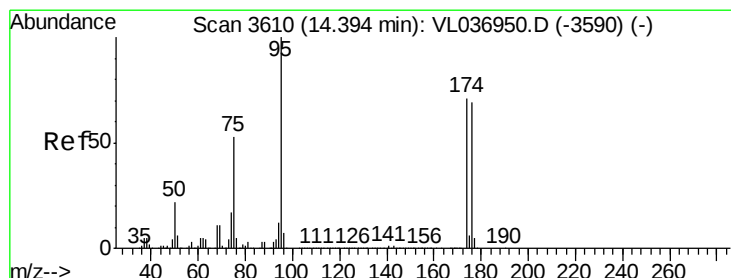
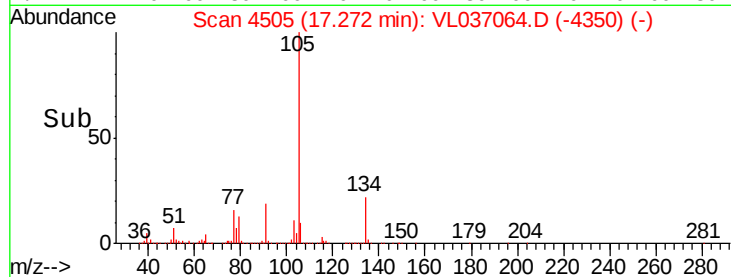
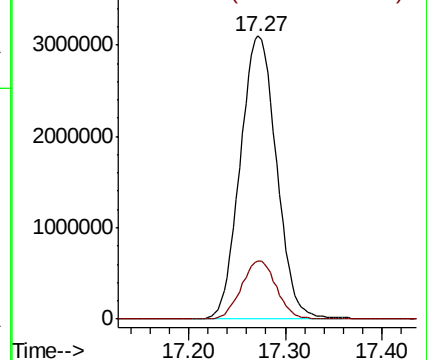
105 100

134 19.9 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.352 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

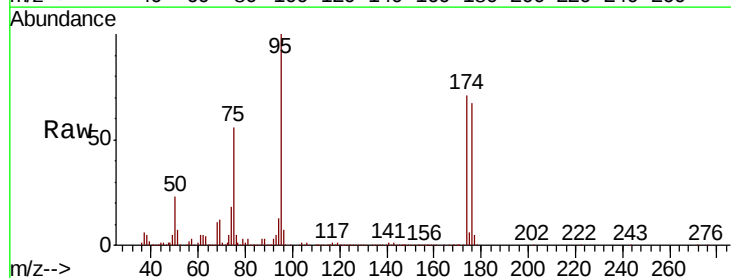
Tgt Ion: 95 Resp: 3276342

Ion Ratio Lower Upper

95 100

174 71.6 58.4 87.6

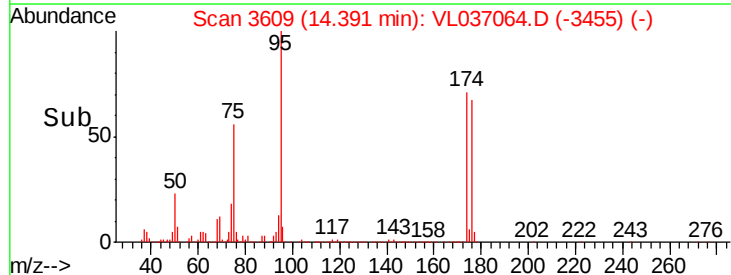
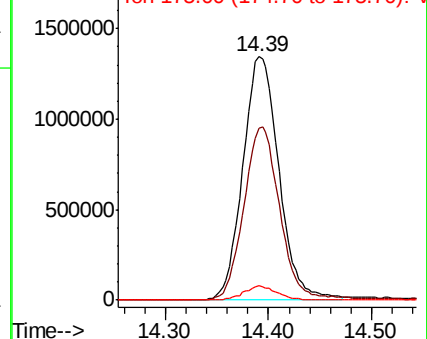
175 5.5 4.4 6.6

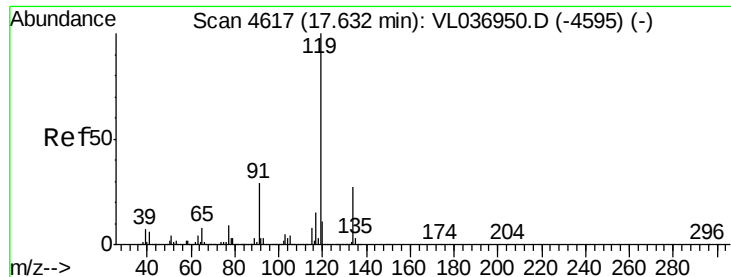


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

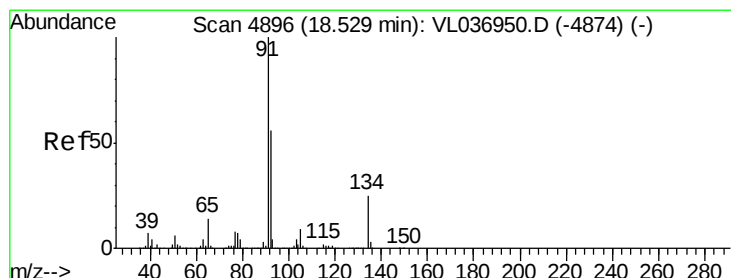
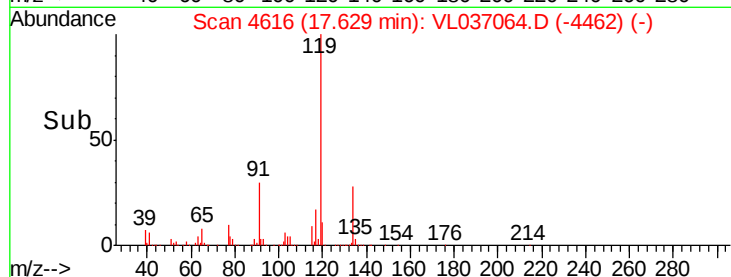
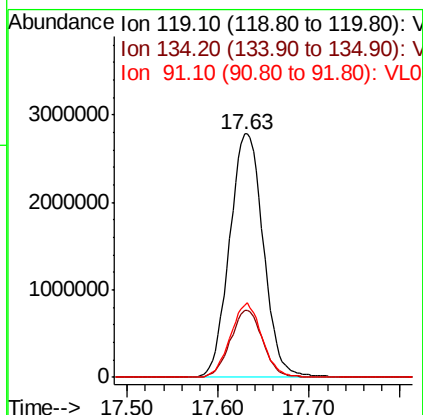
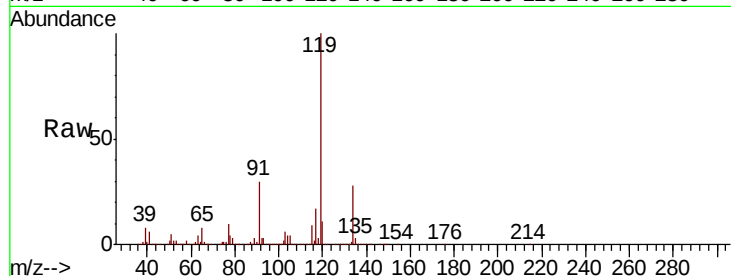




#69  
 p-Isopropyltoluene  
 Concen: 8.118 ppbv  
 RT: 17.63 min Scan# 4616  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

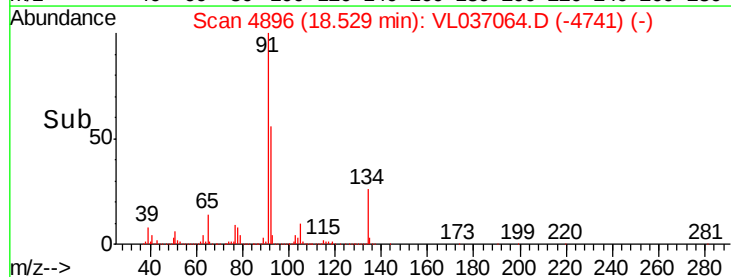
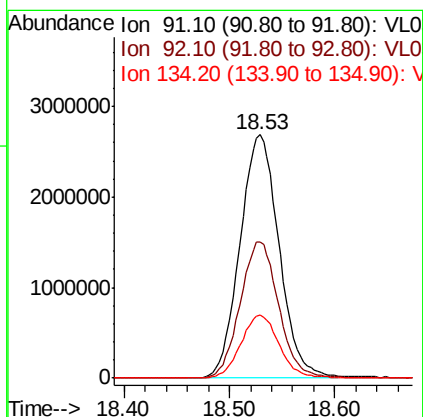
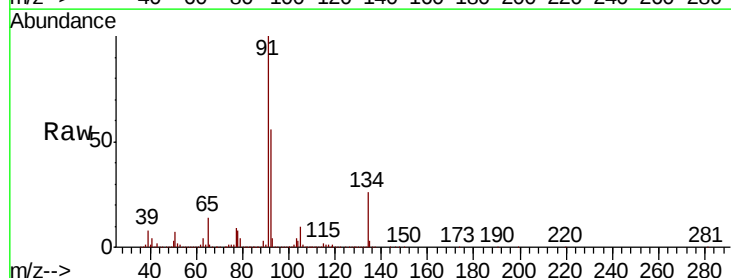
Instrument :  
 MSVOA\_L  
 ClientSampled :

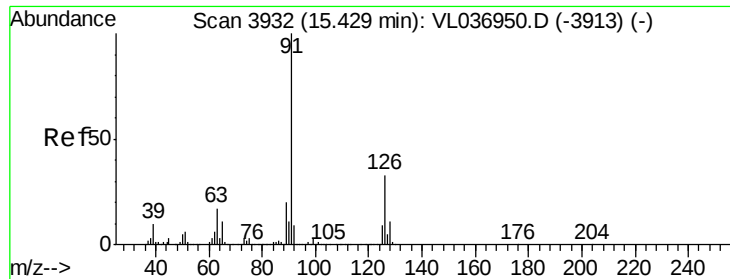
Tot Ion:119 Resp: 7174223  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 21.2 31.8  
 91 28.6 22.2 33.4



#70  
 n-Butylbenzene  
 Concen: 8.233 ppbv  
 RT: 18.53 min Scan# 4896  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion: 91 Resp: 6912098  
 Ion Ratio Lower Upper  
 91 100  
 92 55.4 44.6 66.8  
 134 25.5 20.2 30.2

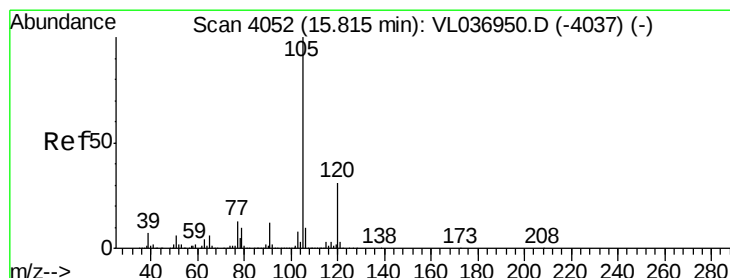
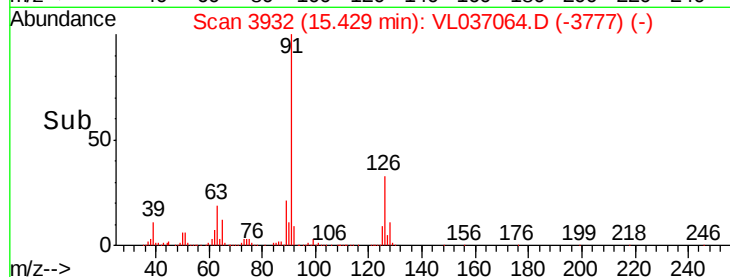
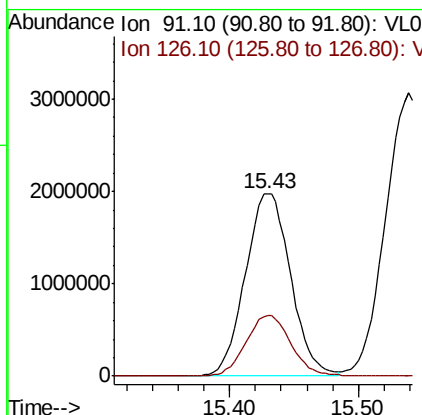
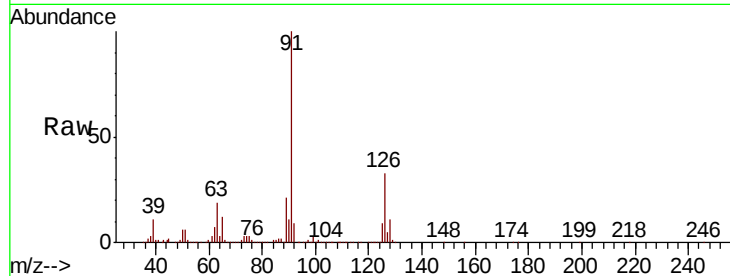




#71  
 2-Chlorotoluene  
 Concen: 8.012 ppbv  
 RT: 15.43 min Scan# 3932  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

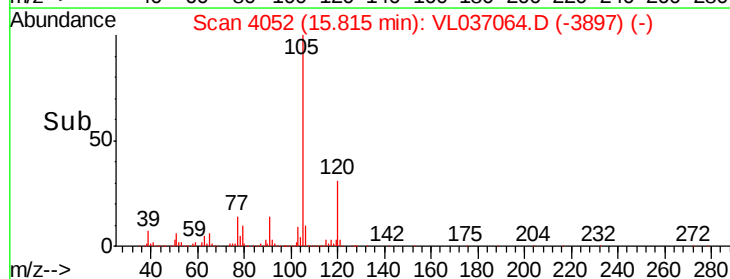
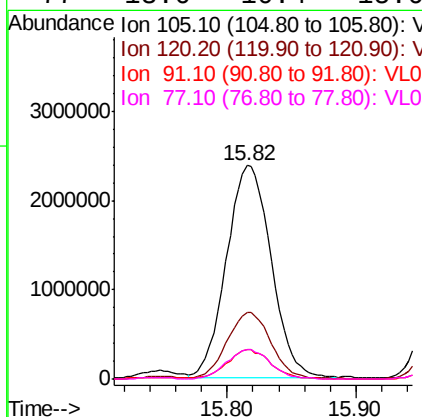
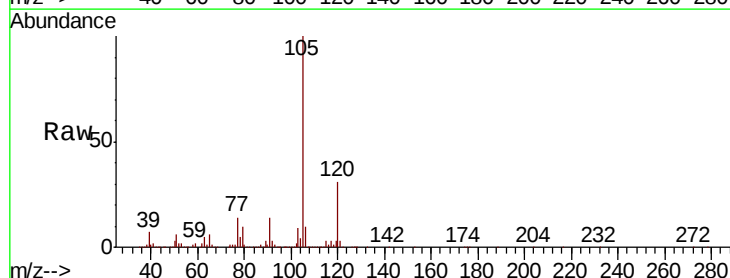
Instrument :  
 MSVOA\_L  
 ClientSampleId :

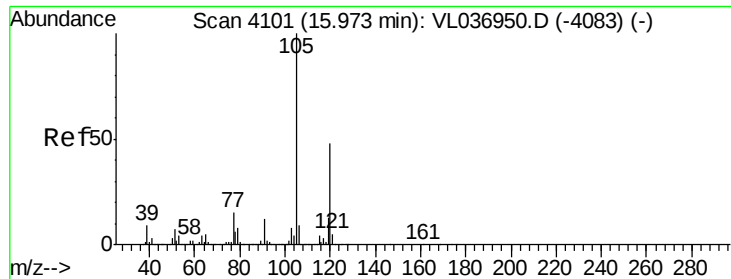
Tot Ion: 91 Resp: 4831853  
 Ion Ratio Lower Upper  
 91 100  
 126 33.4 13.1 52.5



#72  
 4-Ethyltoluene  
 Concen: 8.290 ppbv  
 RT: 15.82 min Scan# 4052  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion: 105 Resp: 5716737  
 Ion Ratio Lower Upper  
 105 100  
 120 31.1 24.6 37.0  
 91 13.2 9.8 14.6  
 77 13.6 10.4 15.6

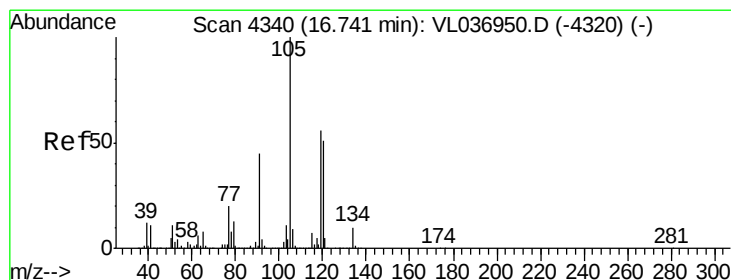
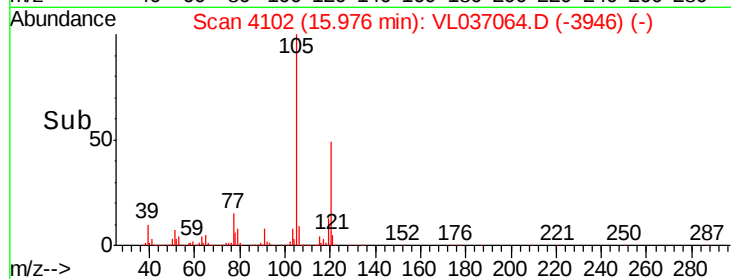
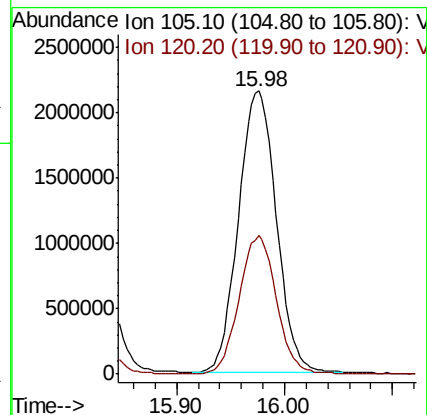
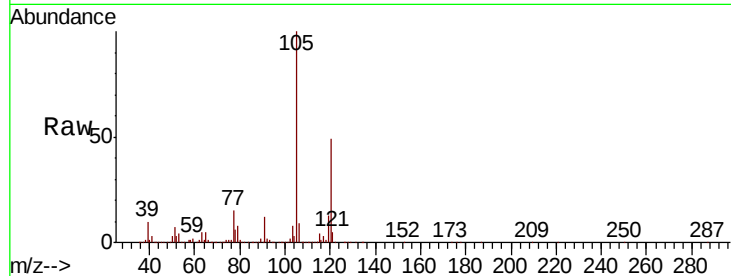




#73  
 1,3,5-Trimethylbenzene  
 Concen: 8.140 ppbv  
 RT: 15.98 min Scan# 4102  
 Delta R.T. 0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

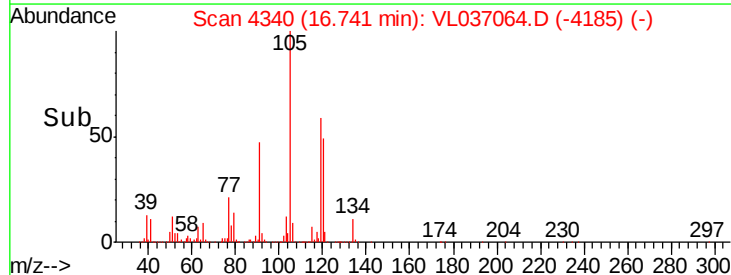
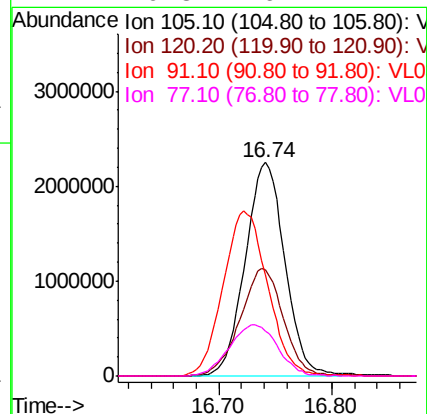
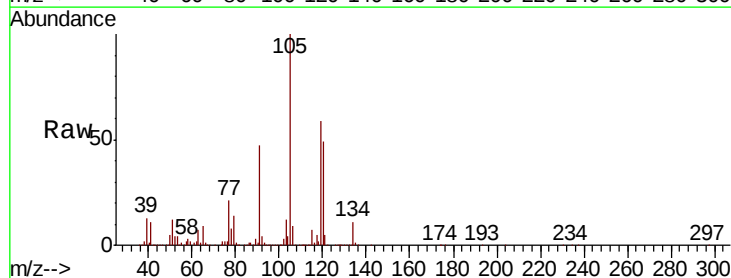
Instrument :  
 MSVOA\_L  
 ClientSampleId :

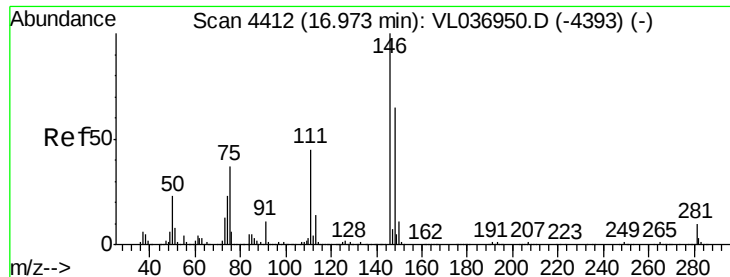
Tot Ion:105 Resp: 5271378  
 Ion Ratio Lower Upper  
 105 100  
 120 49.1 38.6 58.0



#74  
 1,2,4-Trimethylbenzene  
 Concen: 8.174 ppbv  
 RT: 16.74 min Scan# 4340  
 Delta R.T. -0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Tgt Ion:105 Resp: 5473116  
 Ion Ratio Lower Upper  
 105 100  
 120 49.2 40.6 61.0  
 91 46.7 37.4 56.0  
 77 20.8 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 8.435 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

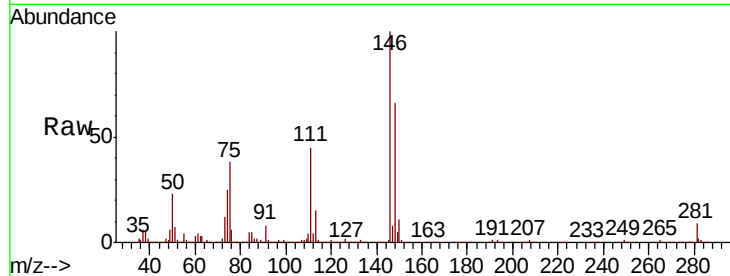
Tot Ion:146 Resp: 3448790

Ion Ratio Lower Upper

146 100

111 44.8 22.2 66.6

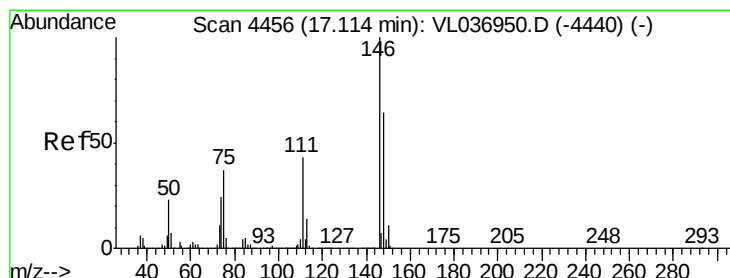
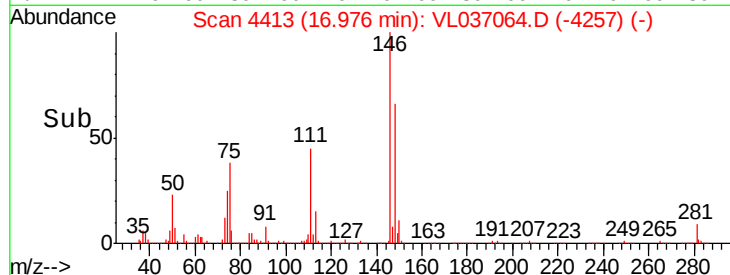
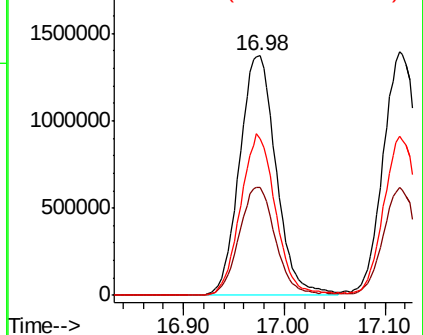
148 64.4 32.3 96.8



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: 8.184 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

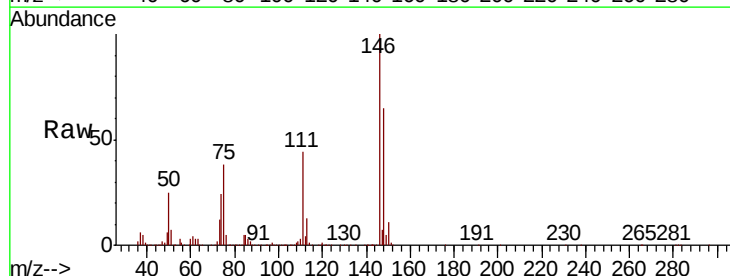
Tgt Ion:146 Resp: 3383359

Ion Ratio Lower Upper

146 100

111 44.3 22.6 67.7

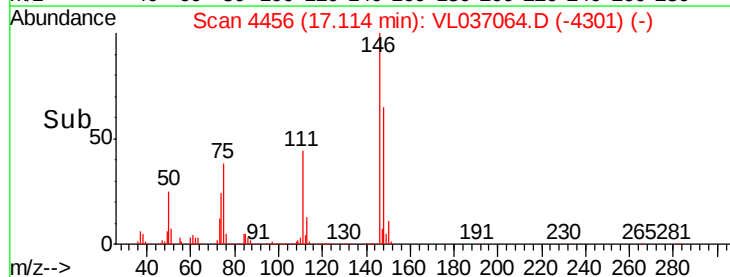
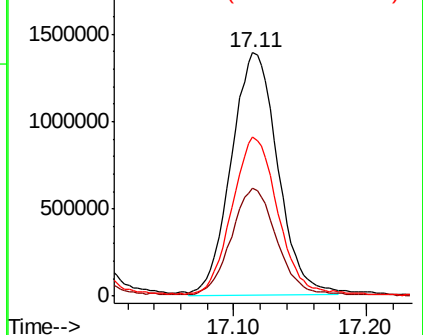
148 65.9 33.5 100.5

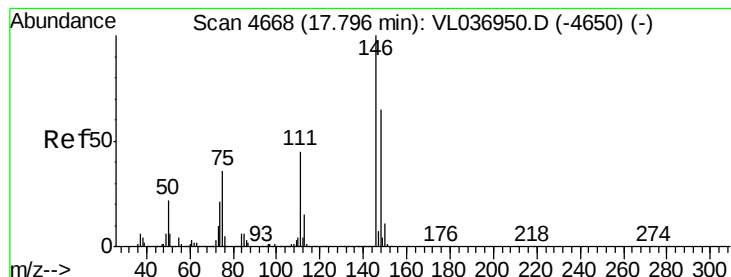


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.213 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Instrument :

MSVOA\_L

ClientSampleId :

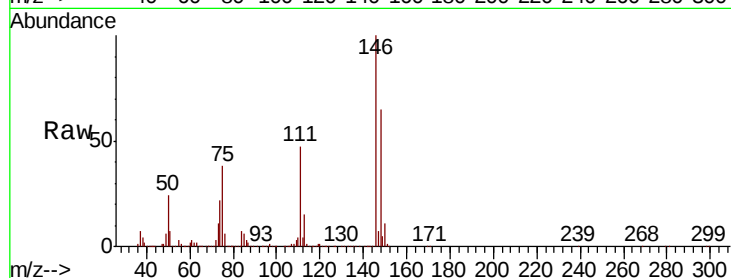
Tot Ion:146 Resp: 3364760

Ion Ratio Lower Upper

146 100

111 46.6 23.1 69.2

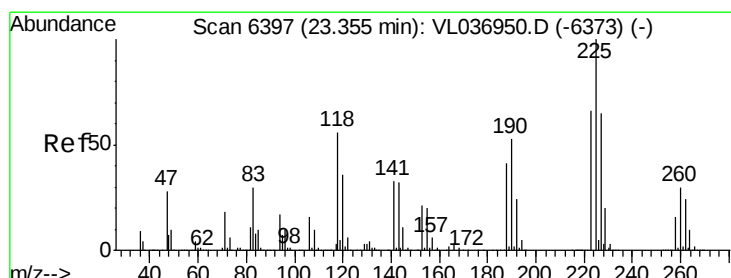
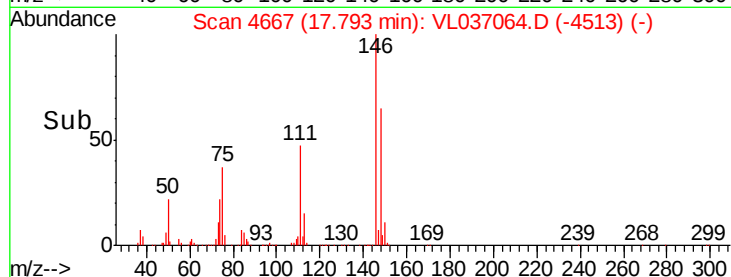
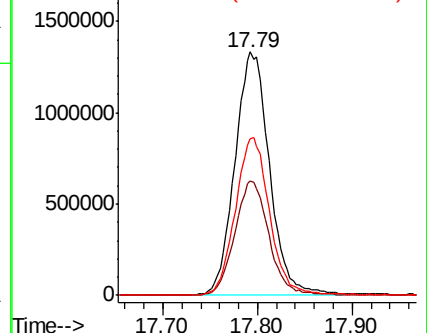
148 64.3 32.5 97.4



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.395 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

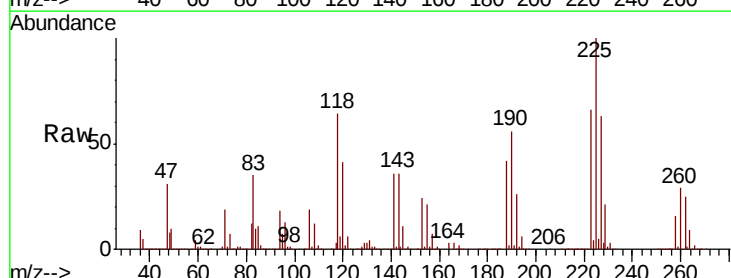
Tgt Ion:225 Resp: 2436169

Ion Ratio Lower Upper

225 100

223 64.4 51.9 77.9

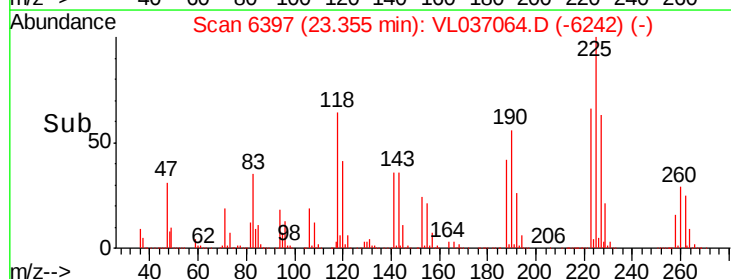
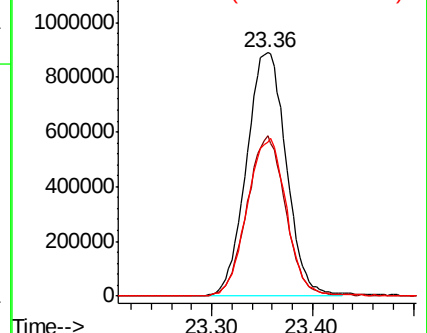
227 64.6 51.8 77.6

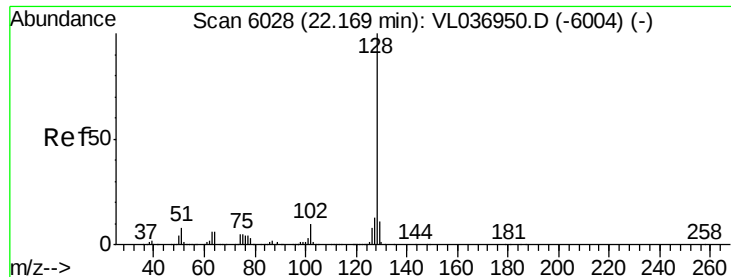


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.154 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

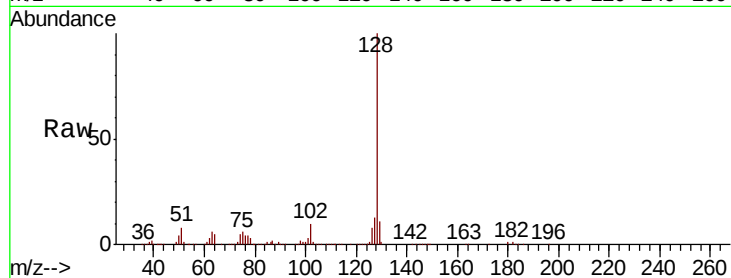
Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion:128 Resp: 4809331

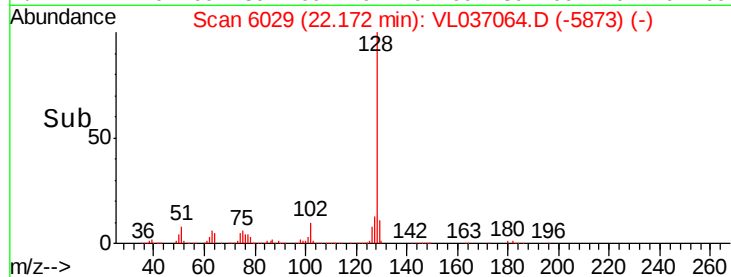
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.3  | 10.4  | 15.6  |
| 129 | 11.0  | 9.0   | 13.6  |



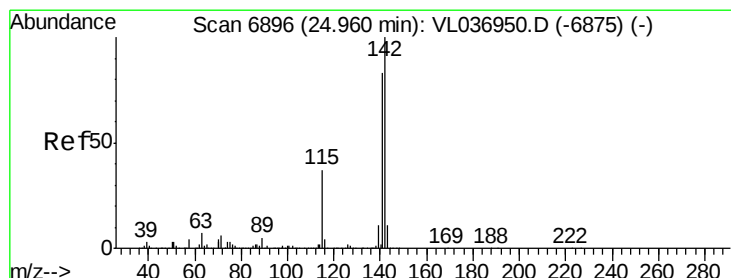
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 7.568 ppbv

RT: 24.96 min Scan# 6895

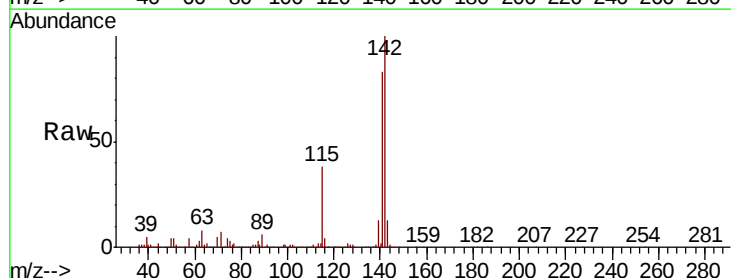
Delta R.T. -0.00 min

Lab File: VL037064.D

Acq: 1 Jun 2021 9:40

Tgt Ion:142 Resp: 864546

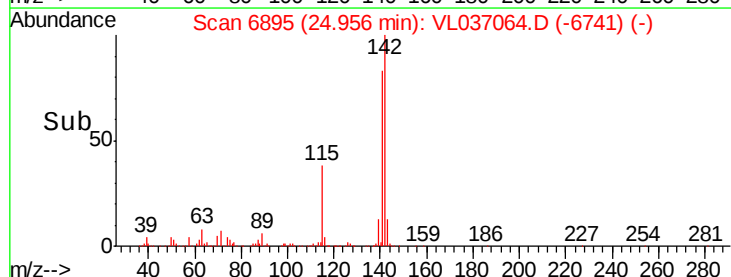
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 85.1  | 69.3  | 103.9 |
| 115 | 35.8  | 29.1  | 43.7  |



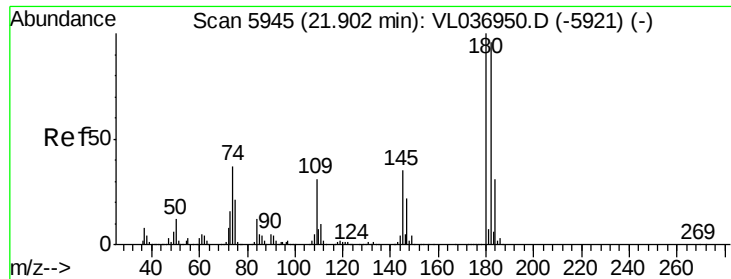
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->



#81  
 1,2,4-Trichlorobenzene  
 Concen: 3.766 ppbv  
 RT: 21.91 min Scan# 5946  
 Delta R.T. 0.00 min  
 Lab File: VL037064.D  
 Acq: 1 Jun 2021 9:40

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tot Ion:180 Resp: 1206248  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 81.7 122.5#  
 184 72.3 24.9 37.3#

