

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\  
 Data File : VL039159.D  
 Acq On : 3 Jun 2022 18:45  
 Operator : SY/AP  
 Sample : VL0603SBS01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 VL0603ABS01

Quant Time: Jun 04 00:16:34 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022  
 QLast Update : Wed Jun 01 01:22:18 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1284574  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 3290444  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 3965179  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2581008  | 7.87     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 78.70% |

## Target Compounds

|                                |      |     |         |        | Ovalue     |
|--------------------------------|------|-----|---------|--------|------------|
| 2) Dichlorodifluoromethane     | 3.06 | 85  | 1810663 | 8.025  | ppbv 100   |
| 3) Chlorodifluoromethane       | 3.00 | 51  | 1579979 | 9.667  | ppbv 98    |
| 4) Chloromethane               | 3.15 | 50  | 853884  | 10.171 | ppbv 99    |
| 5) Vinyl Chloride              | 3.27 | 62  | 813749  | 10.368 | ppbv 97    |
| 6) Bromomethane                | 3.48 | 94  | 404466  | 10.476 | ppbv 96    |
| 7) Chloroethane                | 3.57 | 64  | 287609  | 10.517 | ppbv 99    |
| 8) Dichlorotetrafluoroethane   | 3.20 | 85  | 1972753 | 9.567  | ppbv 96    |
| 9) Propene                     | 3.02 | 41  | 730069  | 10.244 | ppbv 98    |
| 10) Heptane                    | 8.14 | 43  | 1758455 | 10.577 | ppbv 99    |
| 11) Trichlorofluoromethane     | 3.96 | 101 | 1976225 | 9.676  | ppbv 99    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.50 | 101 | 1339851 | 9.920  | ppbv 100   |
| 13) Ethanol                    | 3.62 | 45  | 23586   | 6.068  | ppbv # 100 |
| 14) Bromoethene                | 3.75 | 108 | 622598  | 10.254 | ppbv 99    |
| 15) Acetone                    | 3.86 | 43  | 1309431 | 9.786  | ppbv 100   |
| 16) 1,3-Butadiene              | 3.34 | 39  | 745175  | 10.359 | ppbv 99    |
| 17) tert-Butyl alcohol         | 4.29 | 59  | 1209403 | 11.652 | ppbv 97    |
| 18) 1,1-Dichloroethene         | 4.30 | 96  | 622218  | 10.270 | ppbv 92    |
| 19) Isopropyl Alcohol          | 3.97 | 45  | 702486  | 11.193 | ppbv # 98  |
| 20) Methylene Chloride         | 4.36 | 84  | 489515  | 8.681  | ppbv 98    |
| 21) Allyl Chloride             | 4.42 | 41  | 884260  | 9.796  | ppbv 97    |
| 22) trans-1,2-Dichloroethene   | 4.90 | 96  | 605300  | 10.383 | ppbv 99    |
| 23) Vinyl Acetate              | 5.08 | 43  | 1202402 | 10.860 | ppbv 98    |
| 24) 1,1-Dichloroethane         | 5.02 | 63  | 1329840 | 8.767  | ppbv 98    |
| 25) Ethyl Acetate              | 5.69 | 43  | 3089348 | 10.243 | ppbv 100   |
| 26) Hexane                     | 5.70 | 57  | 1348608 | 10.175 | ppbv 99    |
| 27) Carbon Disulfide           | 4.56 | 76  | 1418995 | 10.330 | ppbv 99    |
| 28) Methyl tert-Butyl Ether    | 5.04 | 73  | 1365014 | 9.329  | ppbv 100   |
| 29) Chloroform                 | 5.76 | 83  | 2237712 | 10.034 | ppbv 100   |
| 30) Cyclohexane                | 7.14 | 84  | 1149468 | 10.324 | ppbv 98    |
| 31) cis-1,2-Dichloroethene     | 5.56 | 61  | 1413148 | 10.457 | ppbv 97    |
| 32) 1,1,1-Trichloroethane      | 6.53 | 97  | 2252342 | 10.321 | ppbv 99    |
| 34) 2-Butanone                 | 5.25 | 43  | 1880007 | 10.517 | ppbv 98    |
| 35) Carbon Tetrachloride       | 7.03 | 117 | 2336545 | 9.729  | ppbv 99    |
| 36) Benzene                    | 6.91 | 78  | 2750913 | 10.298 | ppbv 99    |
| 37) 1,2-Dichloroethane         | 6.32 | 62  | 1758787 | 10.004 | ppbv 100   |
| 38) Trichloroethene            | 7.85 | 130 | 1353067 | 11.027 | ppbv 98    |
| 39) 1,2-Dichloropropane        | 7.63 | 63  | 1086930 | 10.229 | ppbv 98    |
| 40) 1,4-Dioxane                | 7.84 | 88  | 292119  | 8.351  | ppbv # 1   |
| 41) Tetrahydrofuran            | 6.06 | 42  | 1141113 | 10.614 | ppbv 99    |
| 42) Bromodichloromethane       | 7.80 | 83  | 2506224 | 10.272 | ppbv 98    |
| 43) Methyl Methacrylate        | 8.03 | 69  | 1152761 | 11.078 | ppbv 98    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\  
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 Sample : VL0603SBS01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

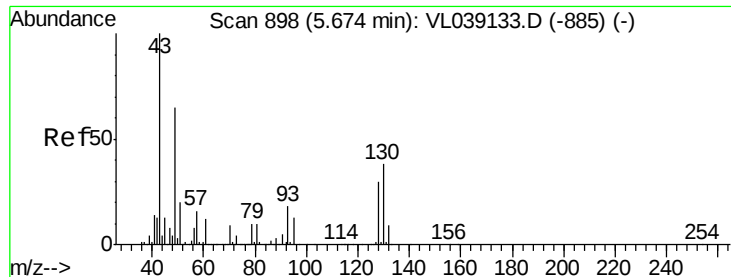
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0603ABS01

Quant Time: Jun 04 00:16:34 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jun 01 01:22:18 2022  
 QLast Update : Wed Jun 01 01:22:18 2022  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.88  | 57   | 4635208  | 9.919  | ppbv   | 100      |
| 45) t-1,3-Dichloropropene     | 9.29  | 75   | 1300978  | 12.005 | ppbv   | 99       |
| 46) cis-1,3-Dichloropropene   | 8.72  | 75   | 1607992  | 11.232 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 9.49  | 97   | 1154729  | 10.417 | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.32 | 129  | 2066783  | 10.442 | ppbv   | 99       |
| 49) Bromoform                 | 13.05 | 173  | 1669843  | 10.123 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.75  | 43   | 2870032  | 10.726 | ppbv   | 99       |
| 51) 2-Hexanone                | 10.14 | 43   | 2276589  | 10.934 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.24 | 164  | 1038536  | 9.957  | ppbv   | 95       |
| 53) Toluene                   | 9.82  | 91   | 3236547  | 10.522 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.62 | 107  | 1608648  | 10.799 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 12.14 | 131  | 1424607  | 7.593  | ppbv   | 99       |
| 57) Chlorobenzene             | 12.16 | 112  | 2394881  | 8.027  | ppbv   | 96       |
| 58) Ethyl Benzene             | 12.73 | 91   | 4389083  | 8.036  | ppbv   | 99       |
| 59) m/p-Xylene                | 13.01 | 91   | 4435161  | 9.221  | ppbv # | 51       |
| 60) o-Xylene                  | 13.70 | 91   | 3591737  | 7.947  | ppbv   | 100      |
| 61) Styrene                   | 13.54 | 104  | 2111640  | 8.725  | ppbv   | 97       |
| 62) Isopropylbenzene          | 14.68 | 105  | 5206081  | 7.750  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.69 | 83   | 1861882  | 7.339  | ppbv   | 100      |
| 64) n-propylbenzene           | 15.57 | 120  | 1329321  | 8.050  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.76 | 119  | 4655208  | 7.579  | ppbv   | 99       |
| 66) Benzyl Chloride           | 17.00 | 91   | 703392   | 8.807  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 17.30 | 105  | 6503122  | 7.759  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.66 | 119  | 5472533  | 7.739  | ppbv   | 99       |
| 70) n-Butylbenzene            | 18.56 | 91   | 5788845  | 7.976  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.46 | 91   | 3926491  | 7.665  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.85 | 105  | 4319939  | 8.156  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 16.01 | 105  | 3868149  | 8.096  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.77 | 105  | 4087829  | 7.667  | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 17.01 | 146  | 2425950  | 8.039  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.15 | 146  | 2355178  | 7.822  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.82 | 146  | 2341442  | 7.698  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.38 | 225  | 1993868  | 7.169  | ppbv   | 100      |
| 79) Naphthalene               | 22.20 | 128  | 3891594  | 9.482  | ppbv   | 99       |
| 80) Naphthalene, 2-methyl-    | 24.97 | 142  | 1696245  | 11.124 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.93 | 180  | 2168367  | 8.340  | ppbv # | 100      |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA\_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0603ABS01

Acq: 3 Jun 2022 18:45

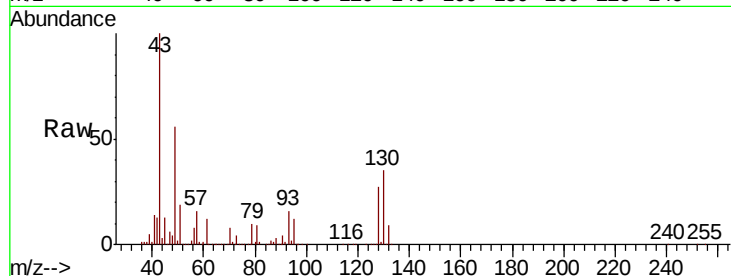
Tot Ion: 49 Resp: 1284574

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 51.4  | 24.7  | 74.1  |
| 130 | 65.5  | 31.4  | 94.0  |

49 100

128 51.4 24.7 74.1

130 65.5 31.4 94.0



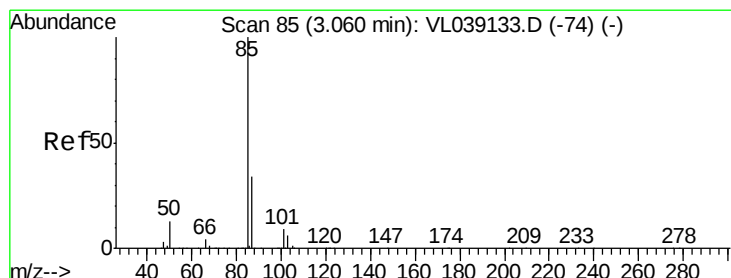
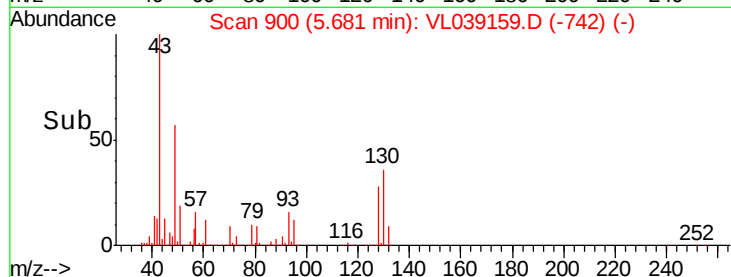
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 8.025 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL039159.D

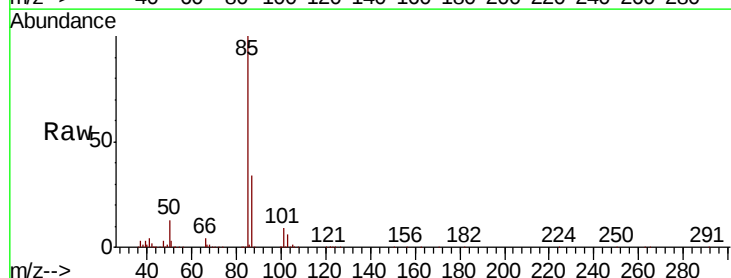
Acq: 3 Jun 2022 18:45

Tgt Ion: 85 Resp: 1810663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 33.6  | 26.9  | 40.3  |

85 100

87 33.6 26.9 40.3

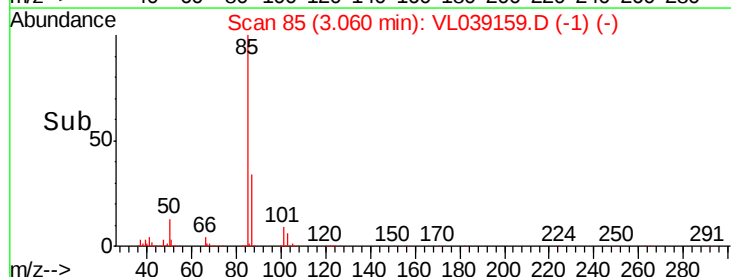


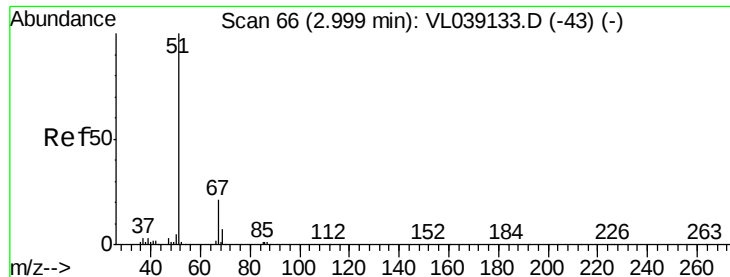
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.06

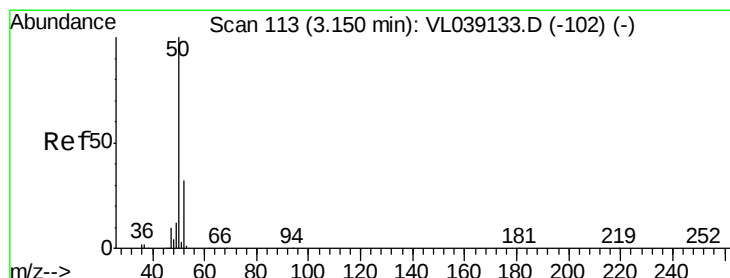
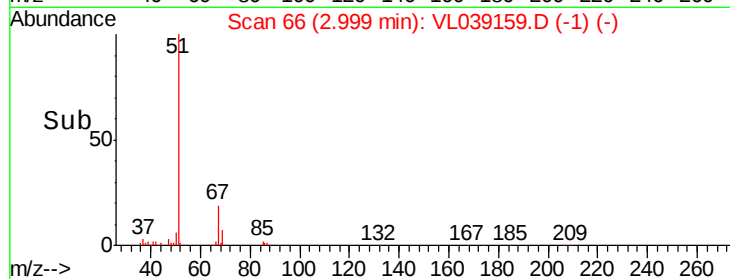
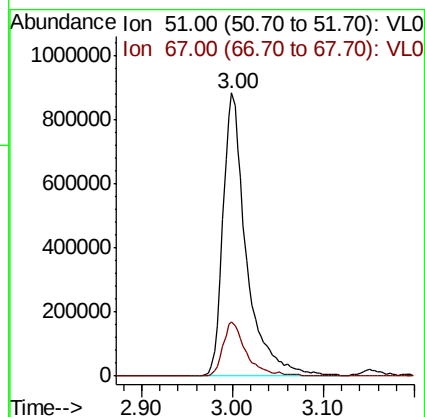
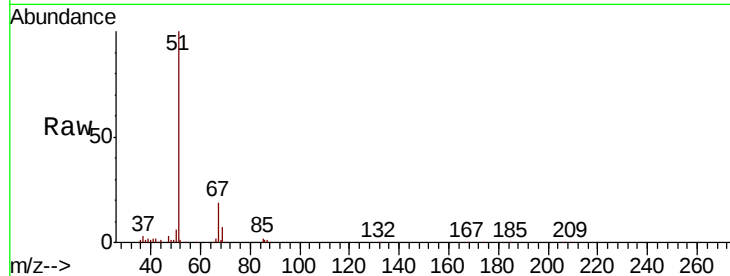
Time-->





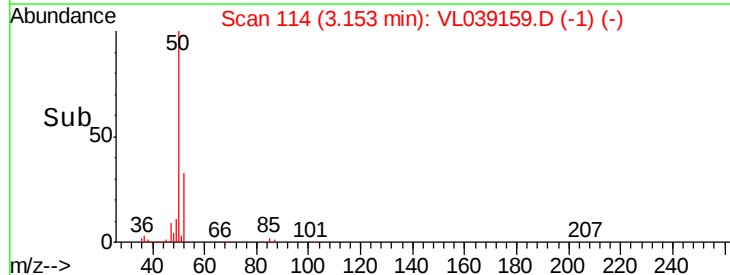
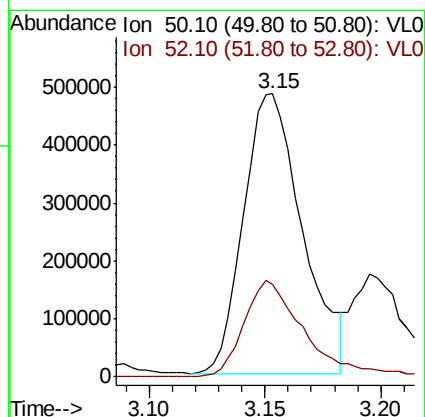
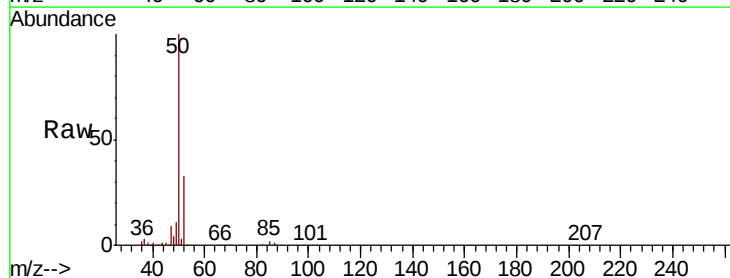
#3  
 Chlorodifluoromethane  
 Concen: 9.667 ppbv  
 RT: 3.00  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VL0603ABS01  
 Acq: 3 Jun 2022 18:45

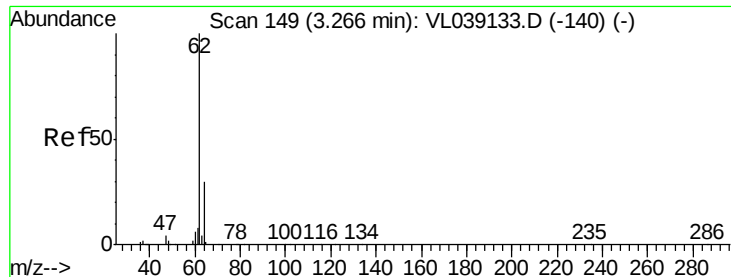
Tot Ion: 51 Resp: 1579979  
 Ion Ratio Lower Upper  
 51 100  
 67 19.4 16.2 24.4



#4  
 Chloromethane  
 Concen: 10.171 ppbv  
 RT: 3.15 min Scan# 114  
 Delta R.T. 0.00 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion: 50 Resp: 853884  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 25.9 38.9





#5

Vinyl Chloride

Concen: 10.368 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

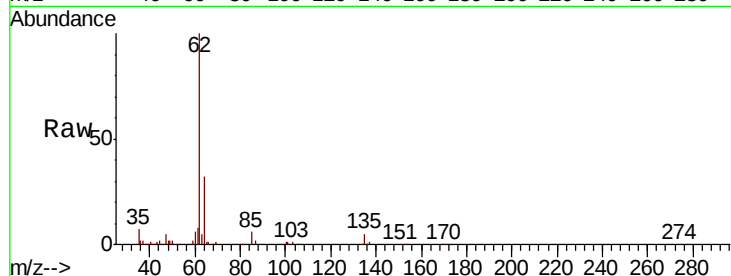
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 62 Resp: 813749

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

400000

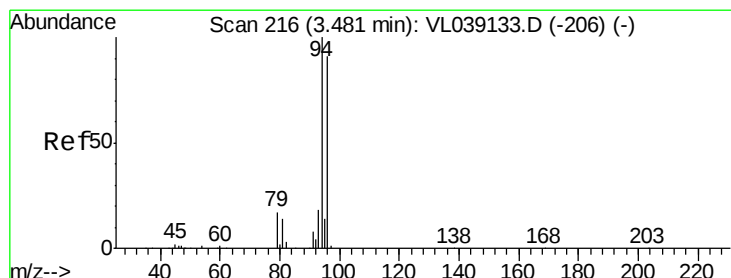
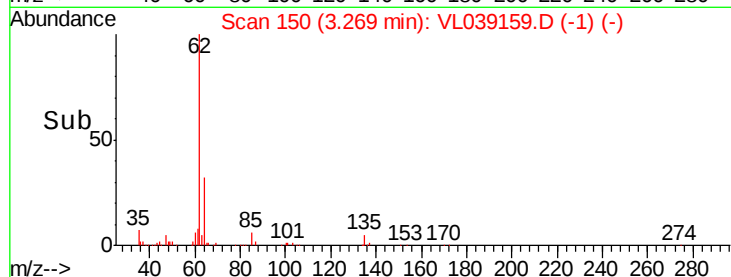
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.476 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL039159.D

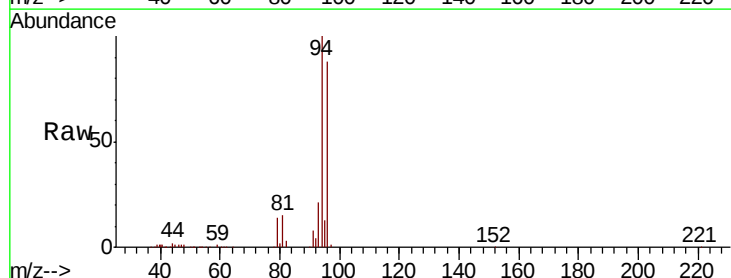
Acq: 3 Jun 2022 18:45

Tgt Ion: 94 Resp: 404466

Ion Ratio Lower Upper

94 100

96 87.7 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

250000

200000

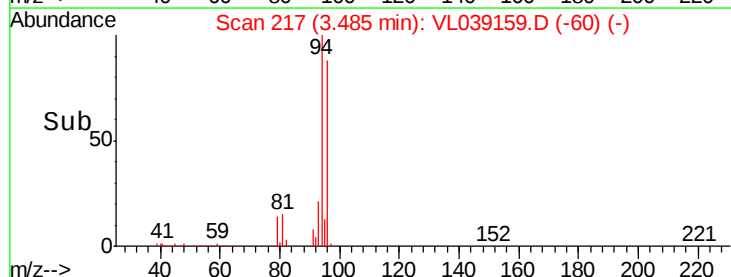
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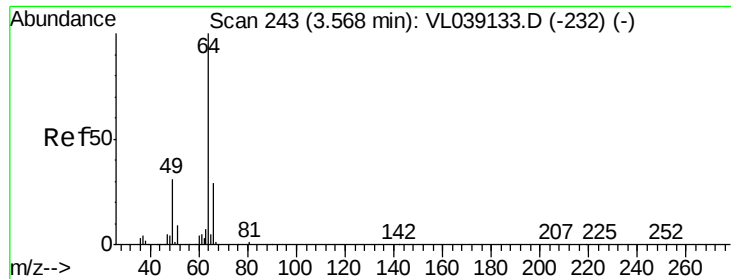
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.517 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

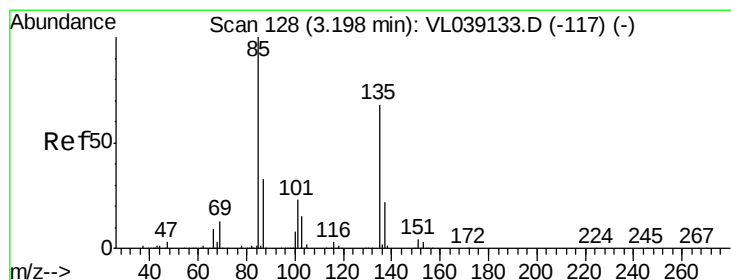
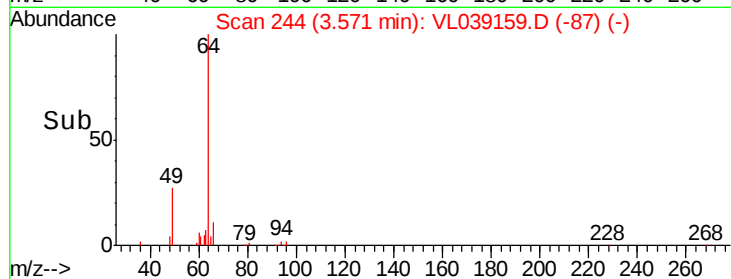
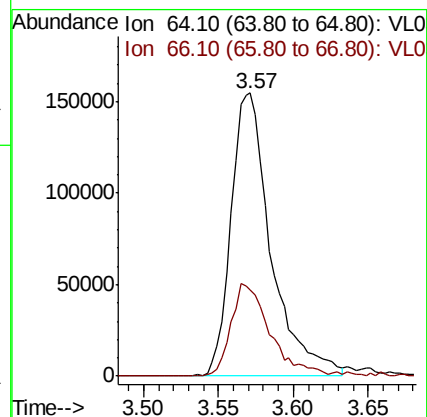
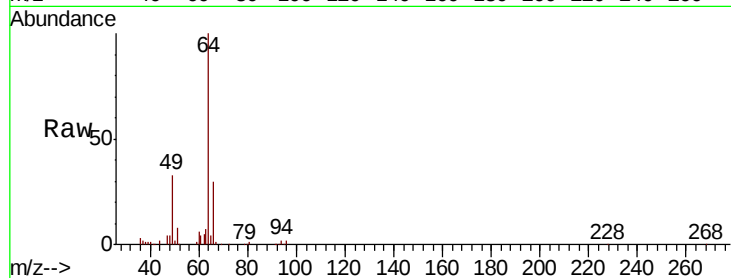
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 64 Resp: 287609

Ion Ratio Lower Upper

64 100

66 30.3 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 9.567 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL039159.D

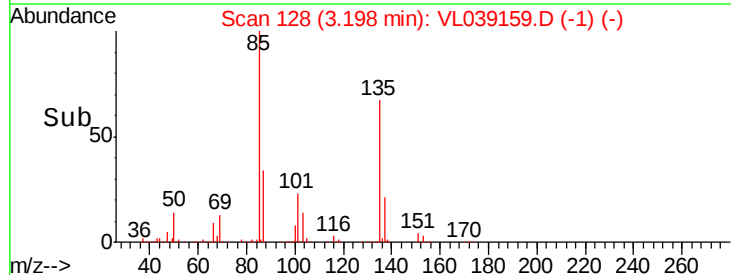
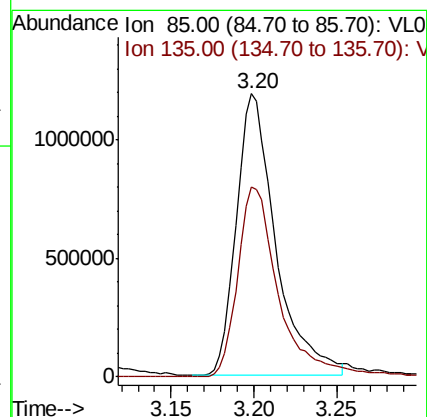
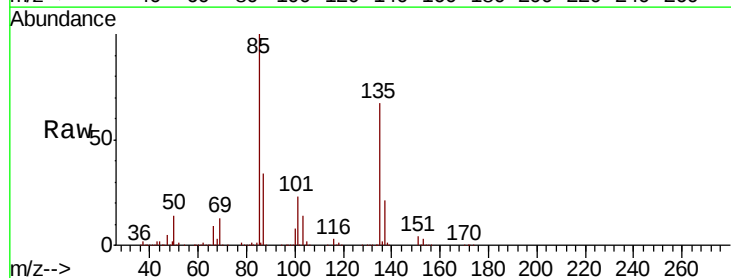
Acq: 3 Jun 2022 18:45

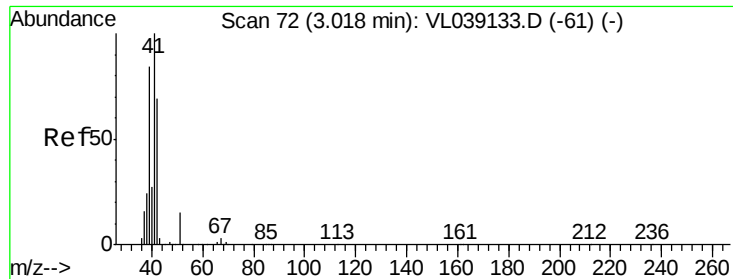
Tgt Ion: 85 Resp: 1972753

Ion Ratio Lower Upper

85 100

135 71.6 55.0 82.4





#9

Propene

Concen: 10.244 ppbv

RT: 3.02 Instrument: MSVOA\_1

Delta R.T. 0.01 min

Lab File: VL0603ABS01 ClientSampleId:

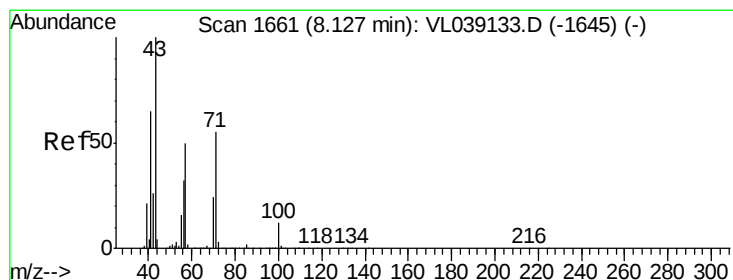
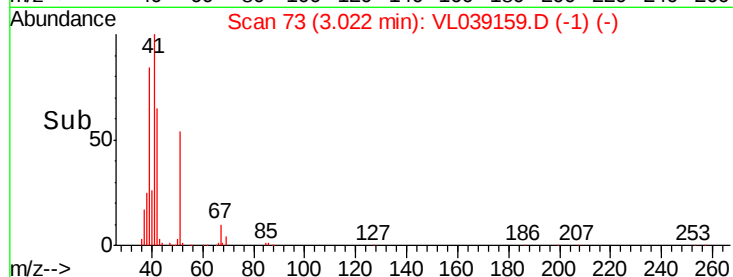
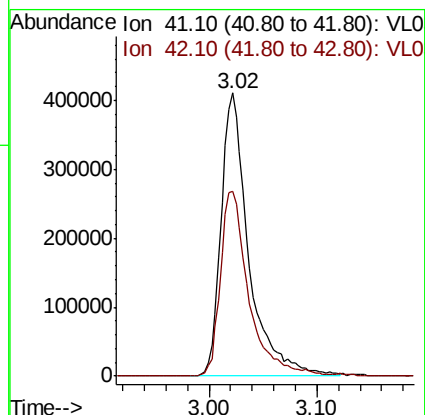
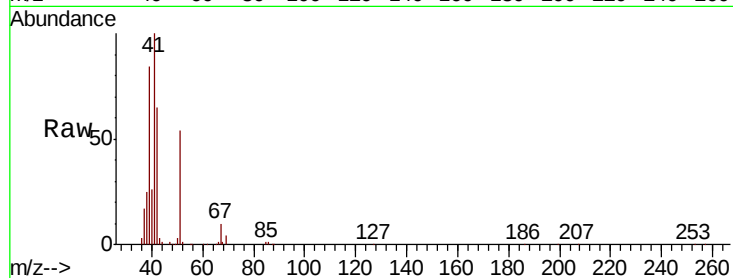
Acq: 3 Jun 2022 18:45

Tot Ion: 41 Resp: 730069

Ion Ratio Lower Upper

41 100

42 67.8 55.4 83.2



#10

Heptane

Concen: 10.577 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL039159.D

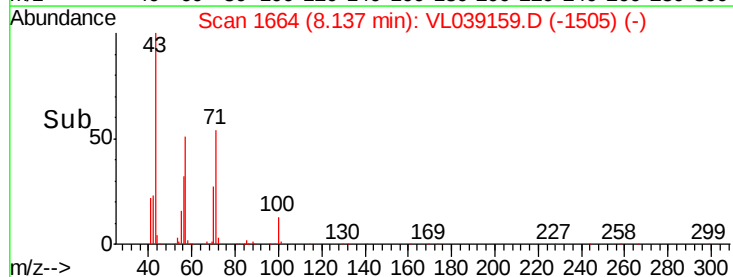
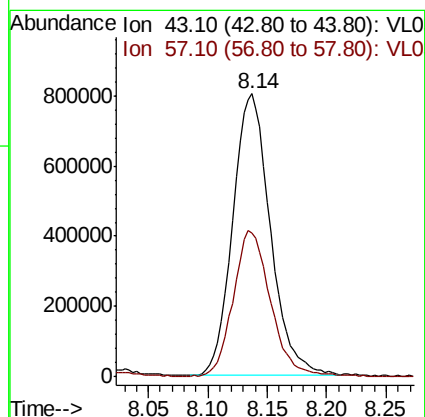
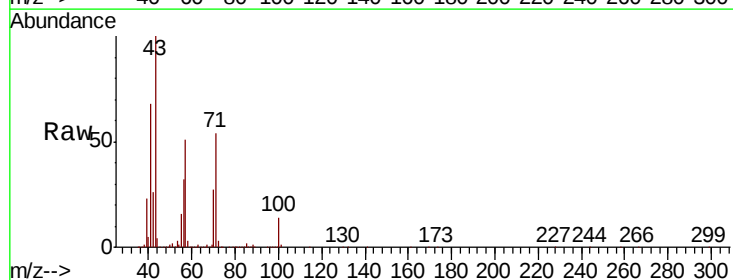
Acq: 3 Jun 2022 18:45

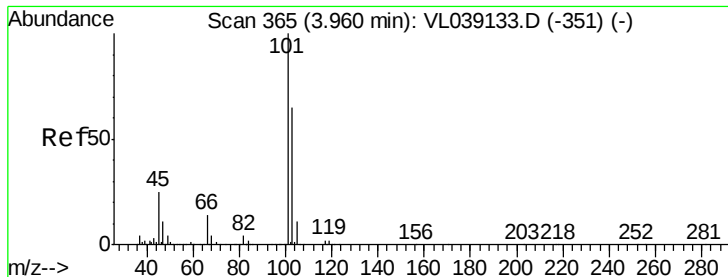
Tgt Ion: 43 Resp: 1758455

Ion Ratio Lower Upper

43 100

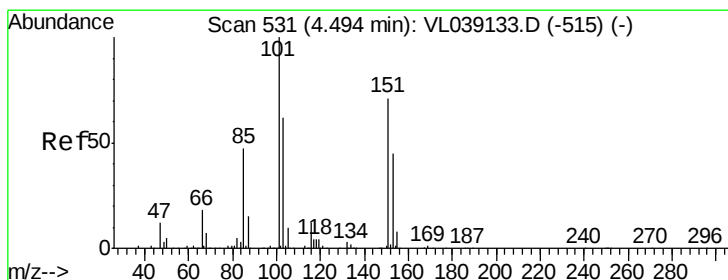
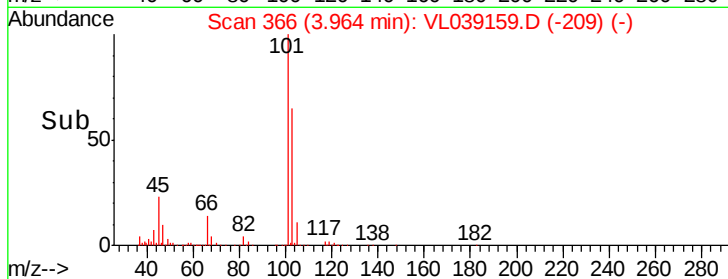
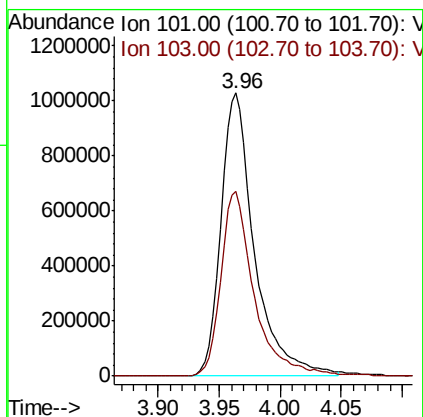
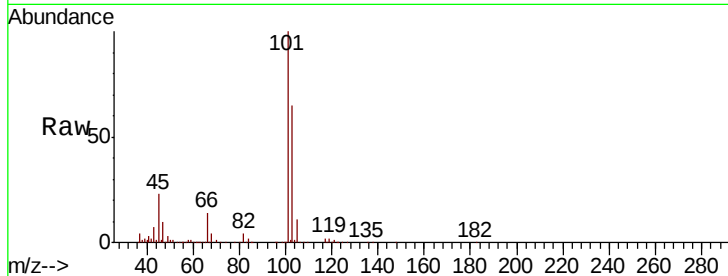
57 51.3 41.4 62.2





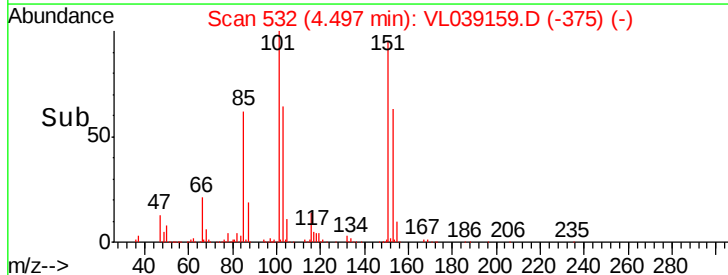
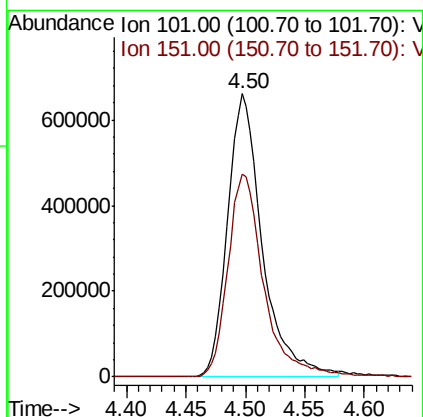
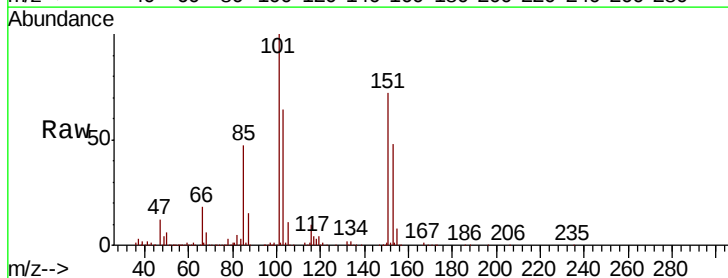
#11  
 Trichlorofluoromethane  
 Concen: 9.676 ppbv  
 RT: 3.96  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

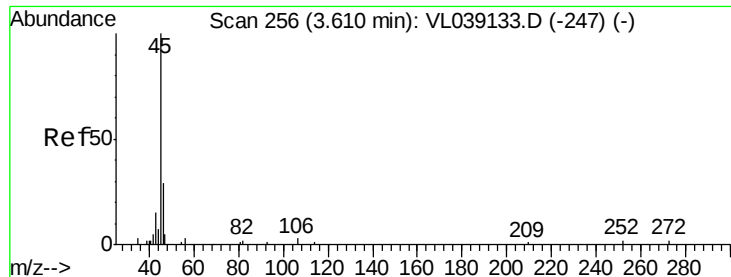
Tot Ion:101 Resp: 1976225  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 51.7 77.5



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.920 ppbv  
 RT: 4.50 min Scan# 532  
 Delta R.T. 0.00 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

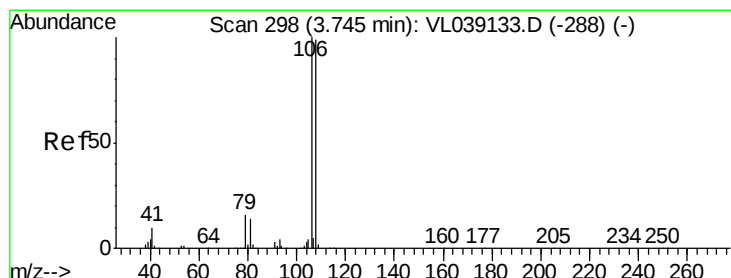
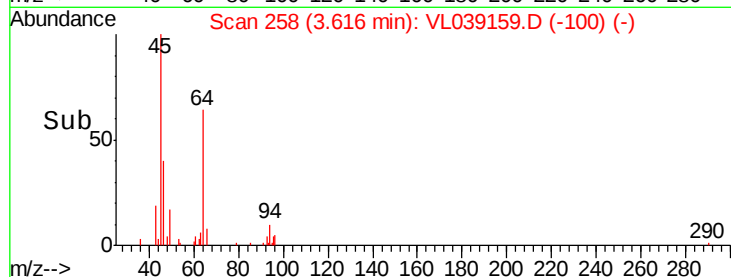
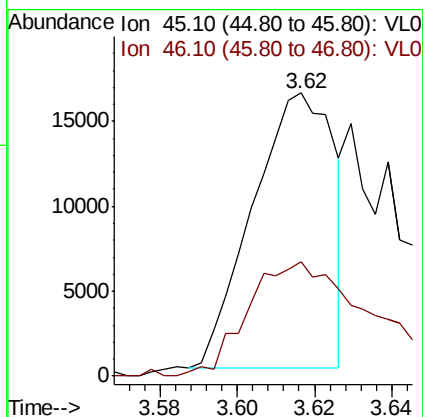
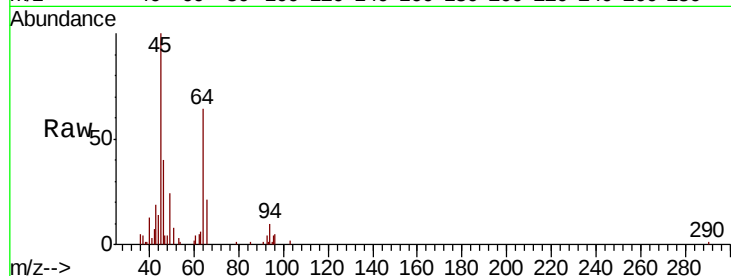
Tgt Ion:101 Resp: 1339851  
 Ion Ratio Lower Upper  
 101 100  
 151 74.5 59.4 89.0





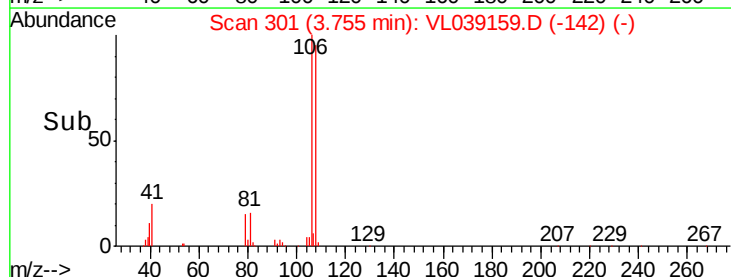
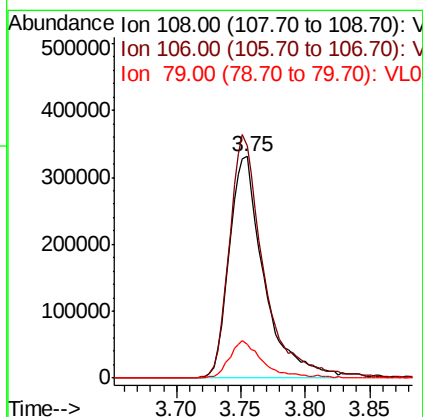
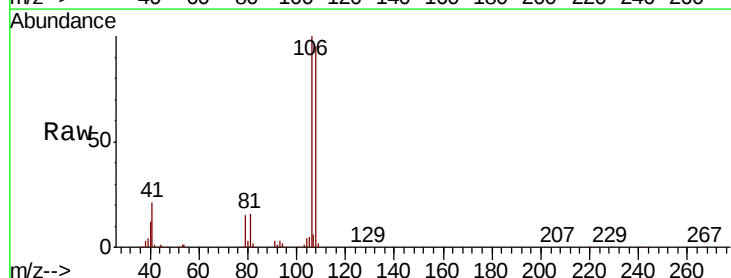
#13  
 Ethanol  
 Concen: 6.068 ppbv  
 RT: 3.62  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VL0603ABS01  
 Acq: 3 Jun 2022 18:45

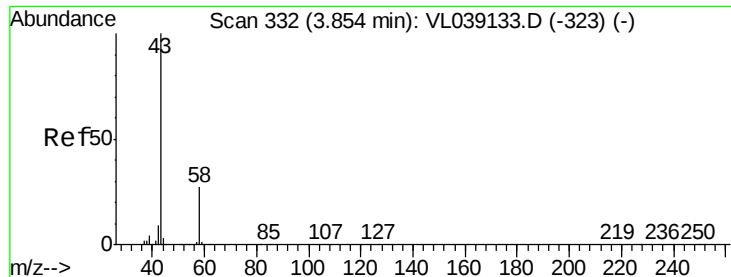
Tot Ion: 45 Resp: 23586  
 Ion Ratio Lower Upper  
 45 100  
 46 85.7 0.0 0.0#



#14  
 Bromoethene  
 Concen: 10.254 ppbv  
 RT: 3.75 min Scan# 301  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion: 108 Resp: 622598  
 Ion Ratio Lower Upper  
 108 100  
 106 109.0 88.4 132.6  
 79 16.9 13.4 20.2





#15

Acetone

Concen: 9.786 ppbv

RT: 3.86 Instrument: MSVOA\_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0603ABS01

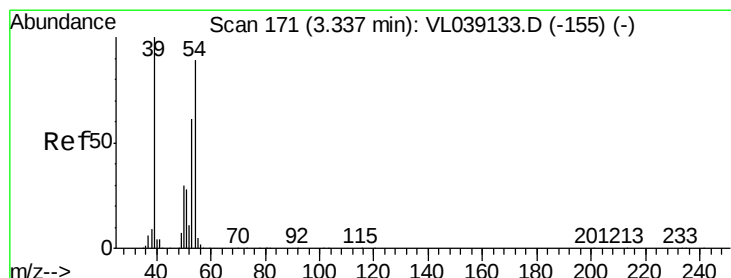
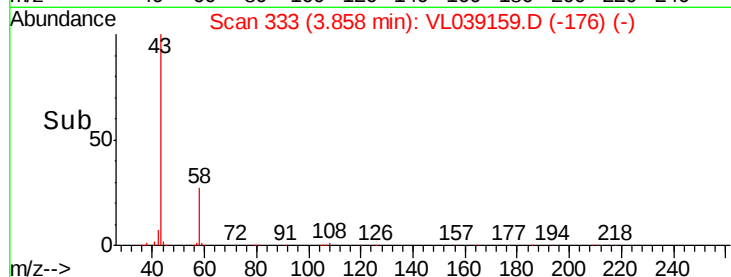
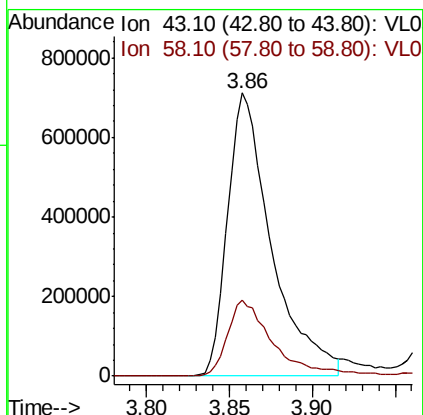
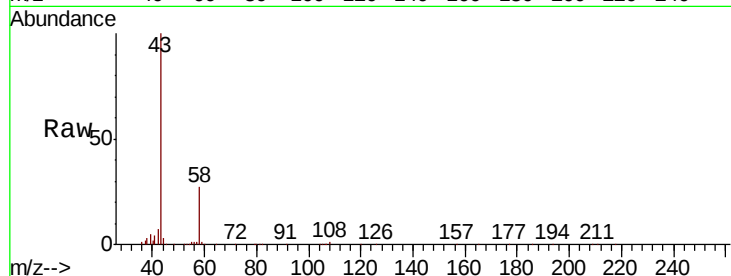
Acq: 3 Jun 2022 18:45

Tot Ion: 43 Resp: 1309431

Ion Ratio Lower Upper

43 100

58 28.3 22.5 33.7



#16

1,3-Butadiene

Concen: 10.359 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.00 min

Lab File: VL039159.D

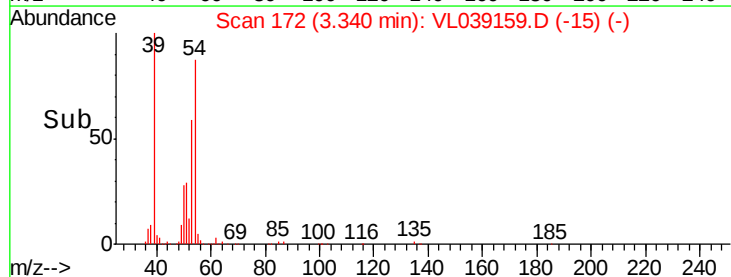
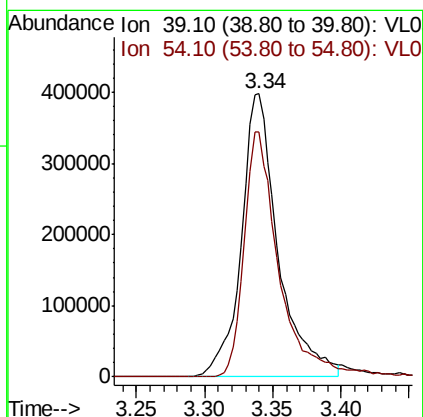
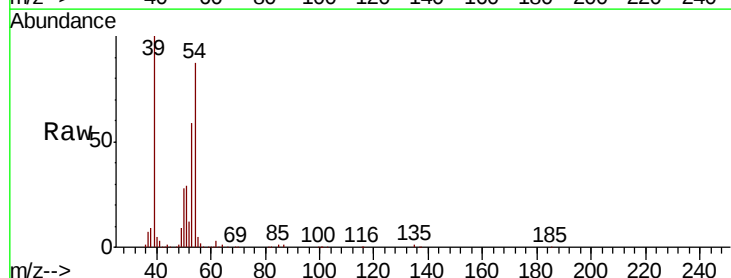
Acq: 3 Jun 2022 18:45

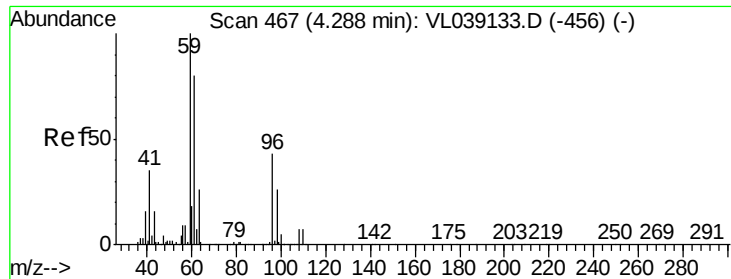
Tgt Ion: 39 Resp: 745175

Ion Ratio Lower Upper

39 100

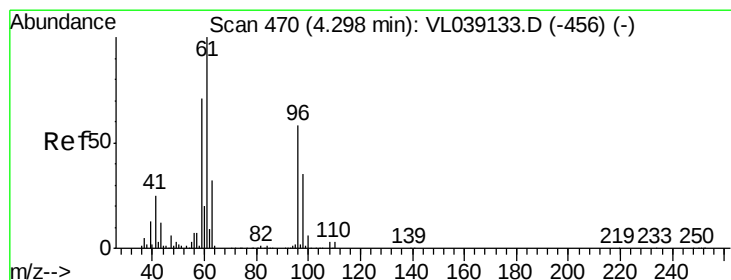
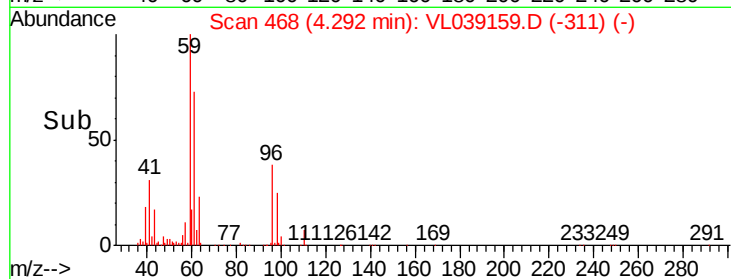
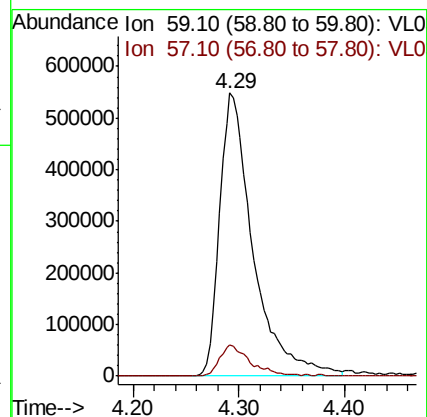
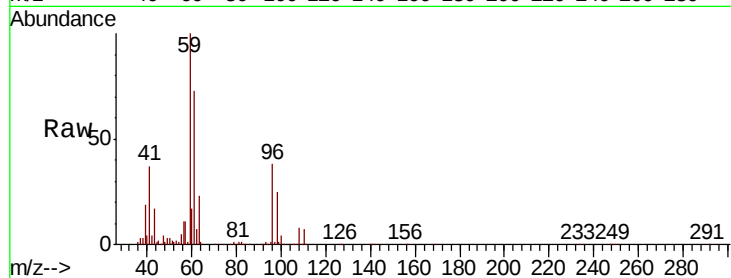
54 82.7 65.8 98.6





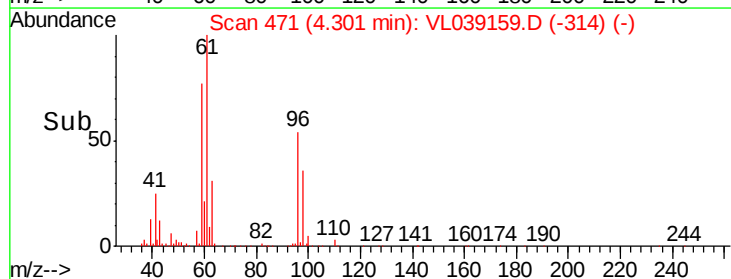
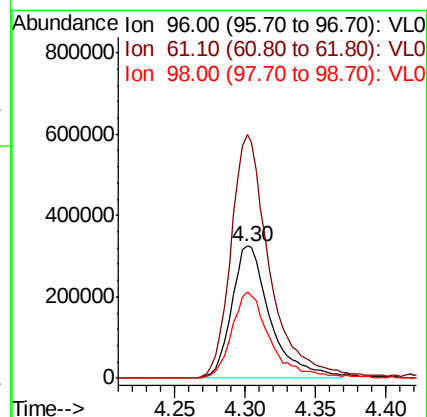
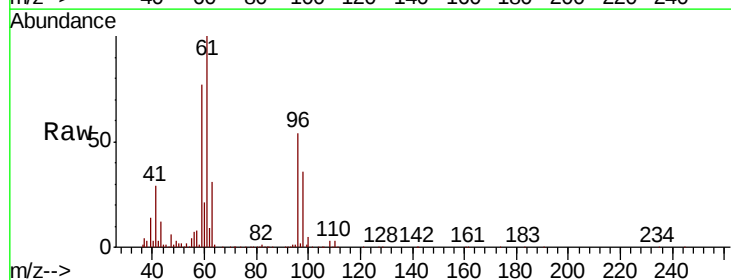
#17  
tert-Butyl alcohol  
Concen: 11.652 ppbv  
RT: 4.29  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL0603ABS01  
Acq: 3 Jun 2022 18:45

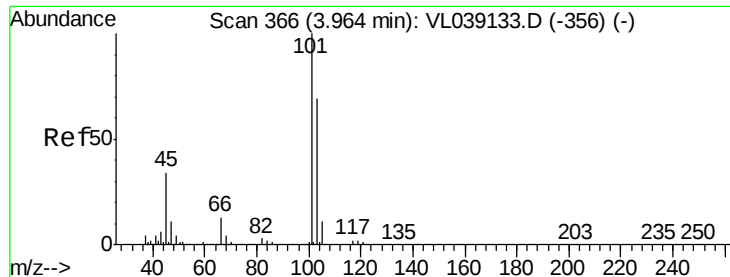
Tot Ion: 59 Resp: 1209403  
Ion Ratio Lower Upper  
59 100  
57 10.4 9.1 13.7



#18  
1,1-Dichloroethene  
Concen: 10.270 ppbv  
RT: 4.30 min Scan# 471  
Delta R.T.: 0.00 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

Tgt Ion: 96 Resp: 622218  
Ion Ratio Lower Upper  
96 100  
61 184.2 138.4 207.6  
98 65.6 47.8 71.8





#19

Isopropyl Alcohol

Concen: 11.193 ppbv

RT: 3.97 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId :

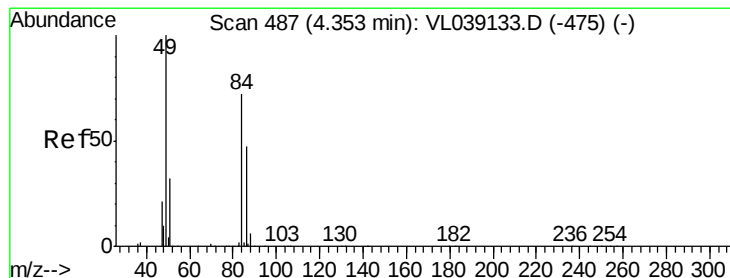
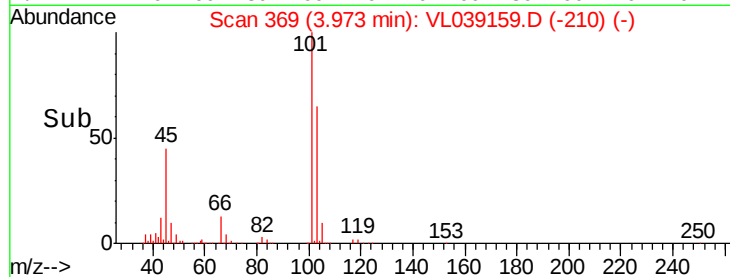
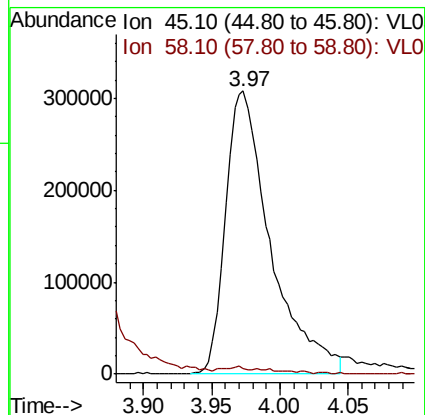
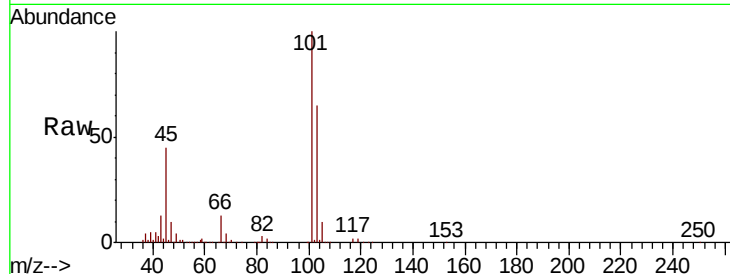
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 45 Resp: 702486

Ion Ratio Lower Upper

45 100

58 2.9 1.8 2.8#



#20

Methylene Chloride

Concen: 8.681 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

Tgt Ion: 84 Resp: 489515

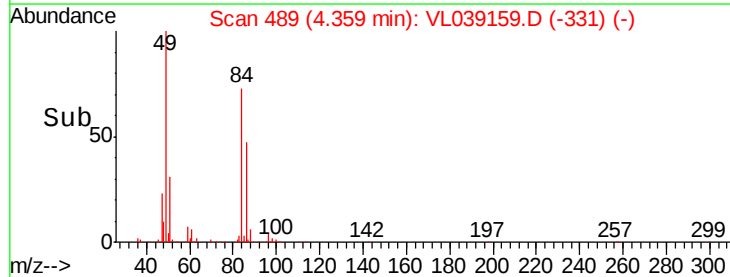
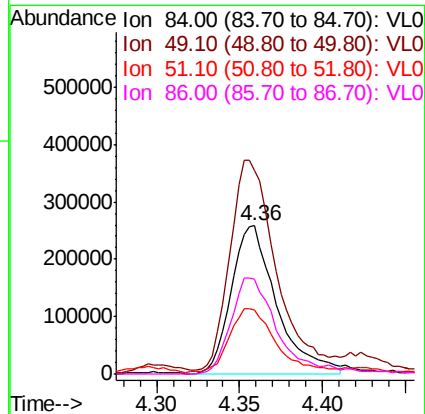
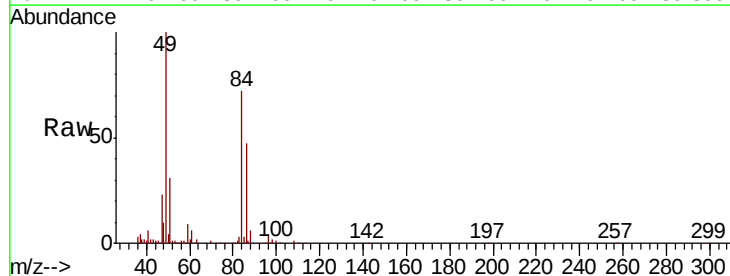
Ion Ratio Lower Upper

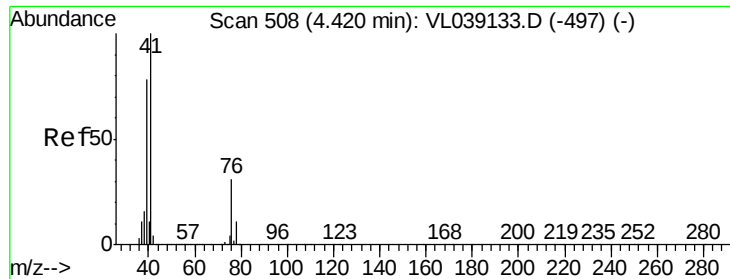
84 100

49 135.8 111.1 166.7

51 42.2 35.3 52.9

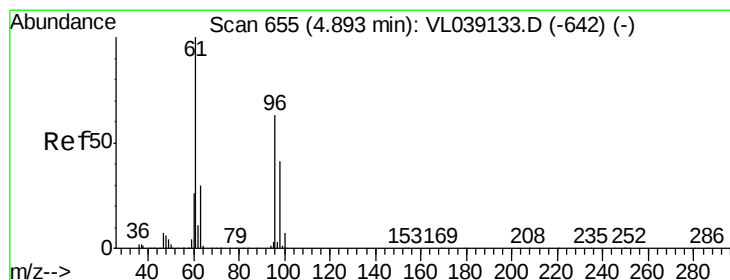
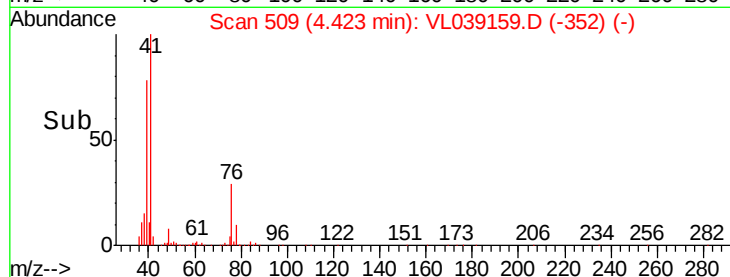
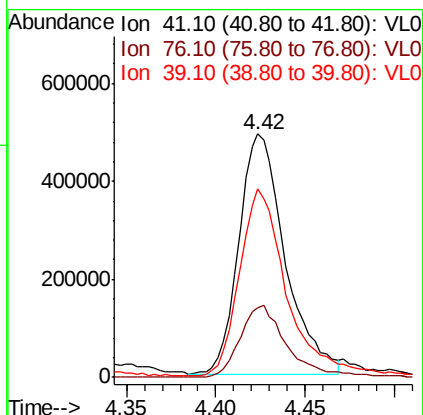
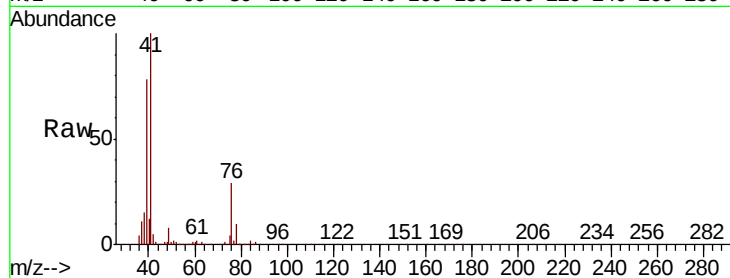
86 64.1 51.9 77.9





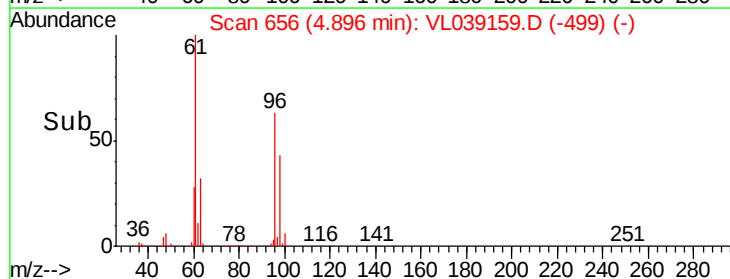
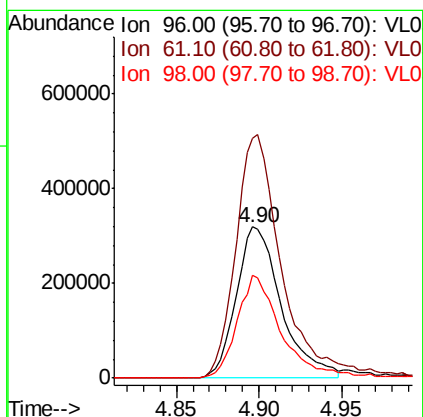
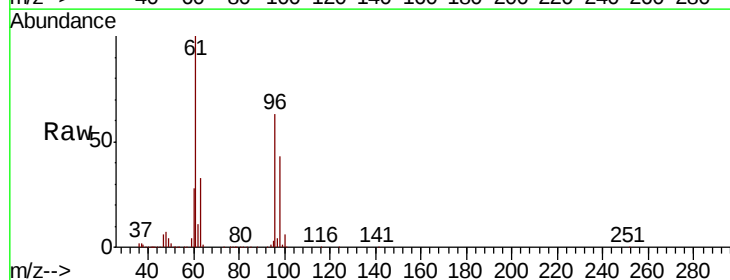
#21  
 Allvl Chloride  
 Concen: 9.796 ppbv  
 RT: 4.42  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

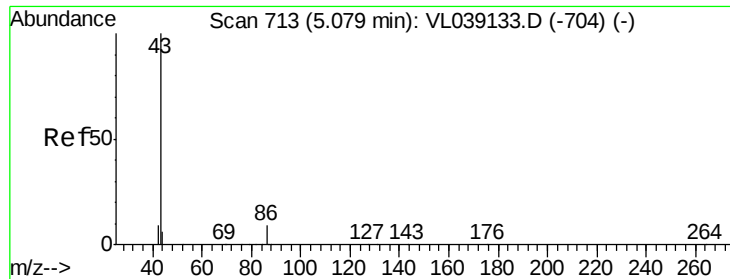
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 884260 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 76       | 30.9  | 24.2  | 36.2   |
| 39       | 81.4  | 62.2  | 93.2   |



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.383 ppbv  
 RT: 4.90 min Scan# 656  
 Delta R.T. 0.00 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 605300 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 158.8 | 126.6 | 190.0  |
| 98       | 67.8  | 52.5  | 78.7   |





#23

Vinyl Acetate

Concen: 10.860 ppbv

RT: 5.08 Instrument:

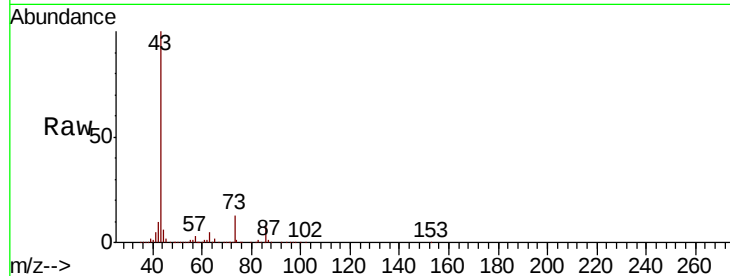
Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

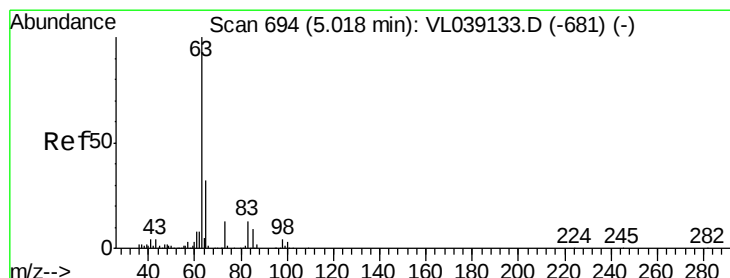
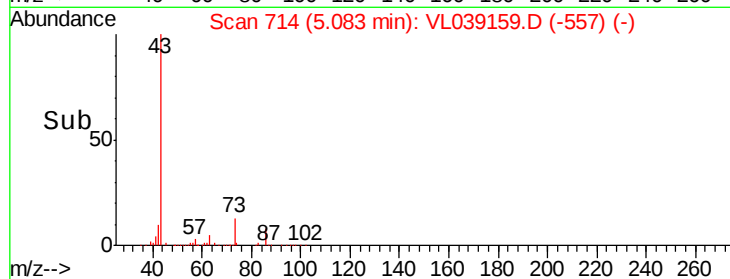
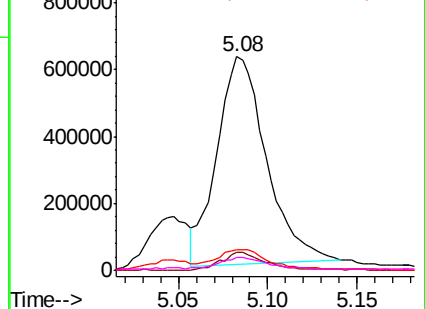
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 43 Resp: 1202402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 8.4   | 6.0   | 9.0   |
| 42  | 9.5   | 8.2   | 12.4  |
| 44  | 5.2   | 4.3   | 6.5   |



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: 8.767 ppbv

RT: 5.02 min Scan# 695

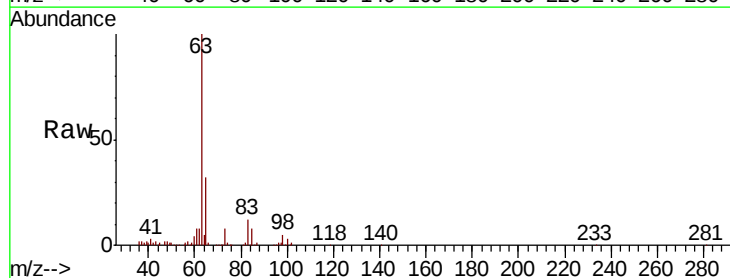
Delta R.T. 0.00 min

Lab File: VL039159.D

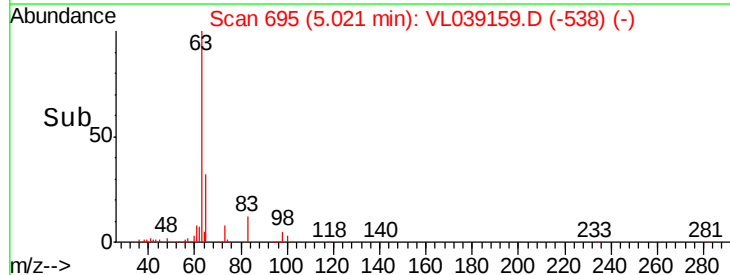
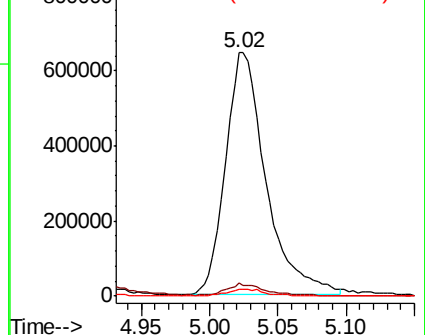
Acq: 3 Jun 2022 18:45

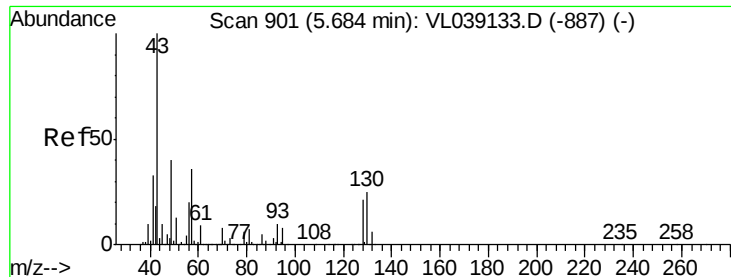
Tgt Ion: 63 Resp: 1329840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 5.0   | 2.1   | 6.2   |
| 100 | 2.5   | 1.5   | 4.5   |



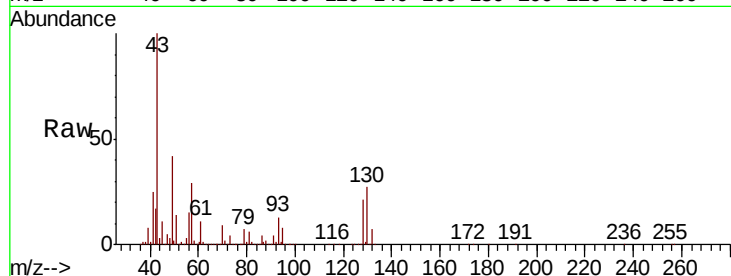
Abundance Ion 63.10 (62.80 to 63.80): VL0  
Ion 98.00 (97.70 to 98.70): VL0  
Ion 100.00 (99.70 to 100.70): VL0





#25  
Ethyl Acetate  
Concen: 10.243 ppbv  
RT: 5.69 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL0603ABS01  
Acq: 3 Jun 2022 18:45

| Tot Ion: | 43    | Resp: | 3089348 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 45       | 10.2  | 8.2   | 12.2    |
| 61       | 10.2  | 8.4   | 12.6    |
| 70       | 7.0   | 5.6   | 8.4     |



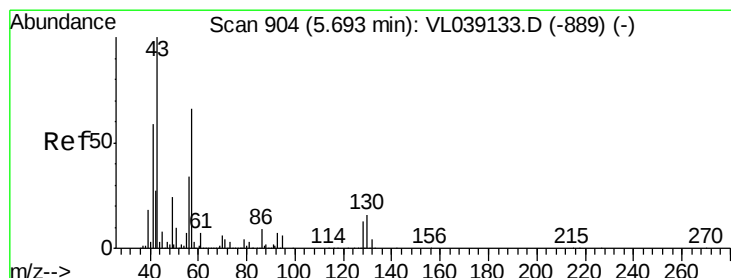
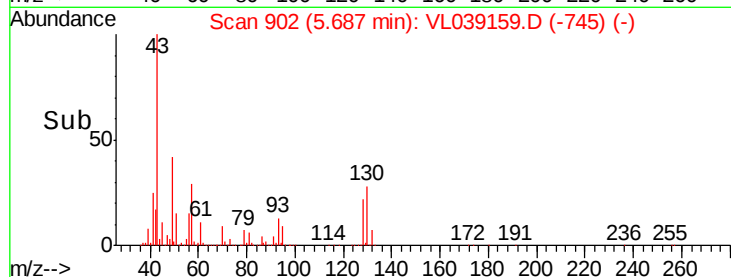
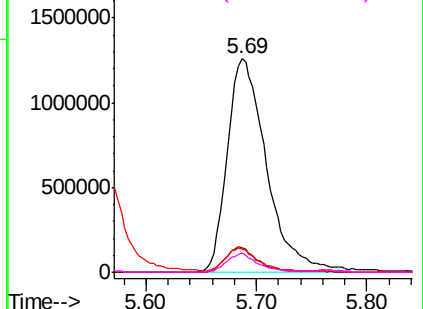
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

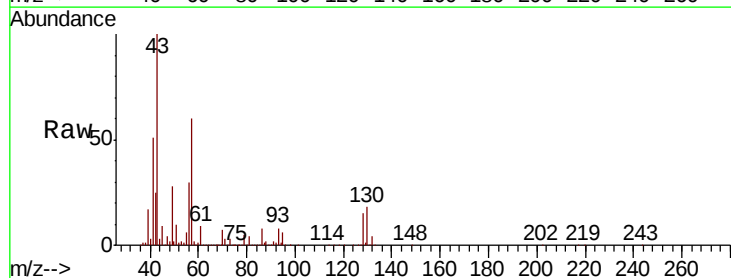
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26  
Hexane  
Concen: 10.175 ppbv  
RT: 5.70 min Scan# 905  
Delta R.T.: 0.00 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

| Tgt Ion: | 57    | Resp: | 1348608 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 57       | 100   |       |         |
| 41       | 90.0  | 72.4  | 108.6   |
| 43       | 233.0 | 187.0 | 280.6   |
| 56       | 53.0  | 41.8  | 62.6    |



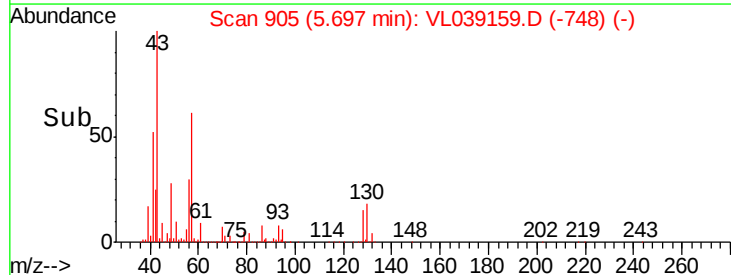
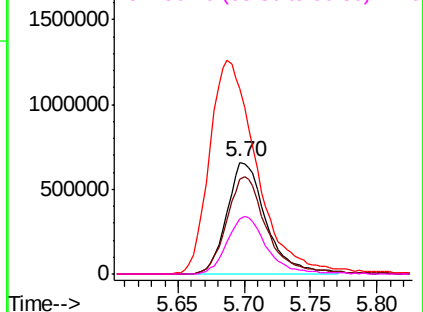
Abundance

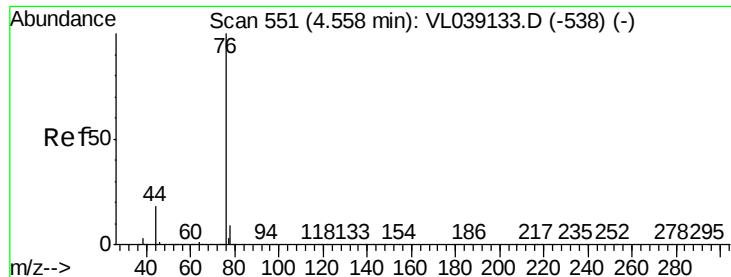
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.330 ppbv

RT: 4.56 Instrument: MSVOA\_1

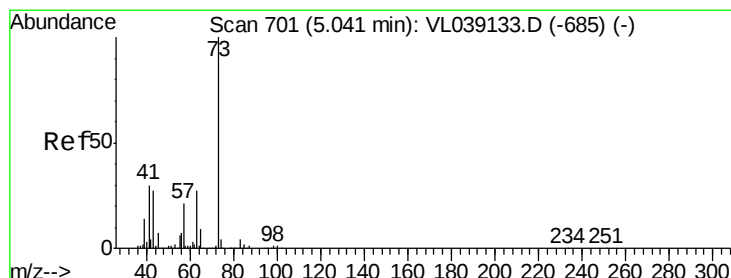
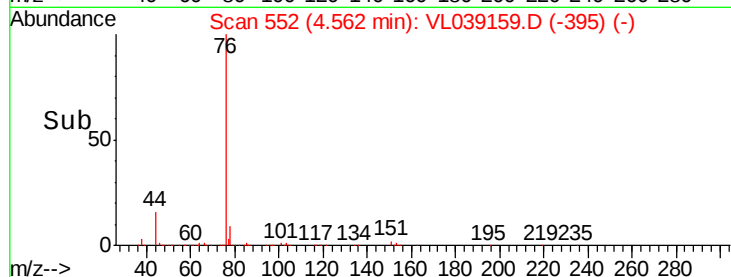
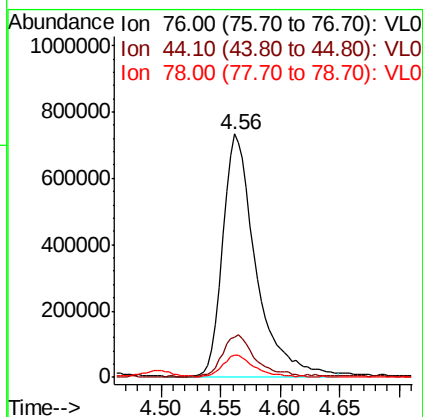
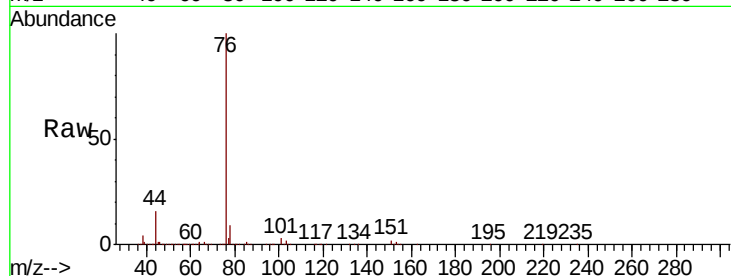
Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0603ABS01

Acq: 3 Jun 2022 18:45

Tot Ion: 76 Resp: 1418995

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 17.5  | 14.4  | 21.6  |
| 78  | 9.2   | 7.7   | 11.5  |



#28

Methyl tert-Butyl Ether

Concen: 9.329 ppbv

RT: 5.04 min Scan# 702

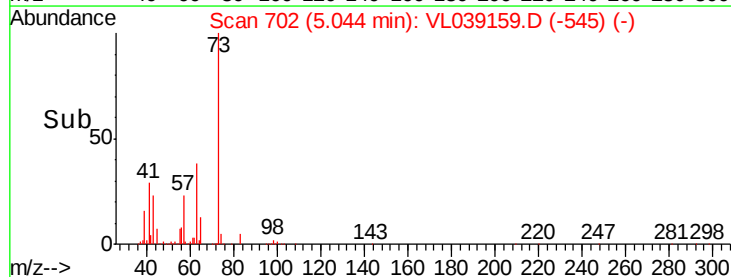
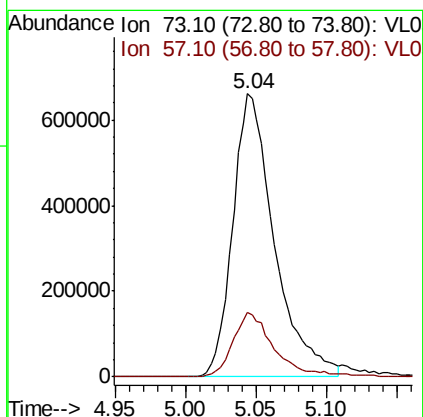
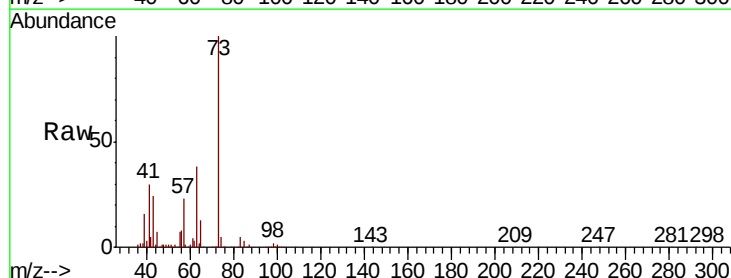
Delta R.T. 0.00 min

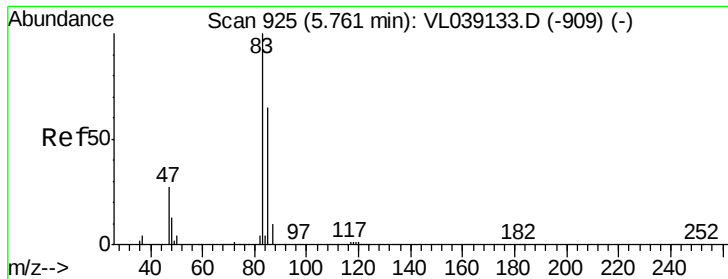
Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

Tgt Ion: 73 Resp: 1365014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 23.1  | 18.6  | 27.8  |





#29

Chloroform

Concen: 10.034 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

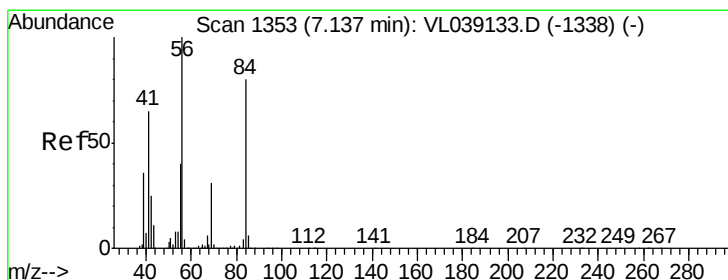
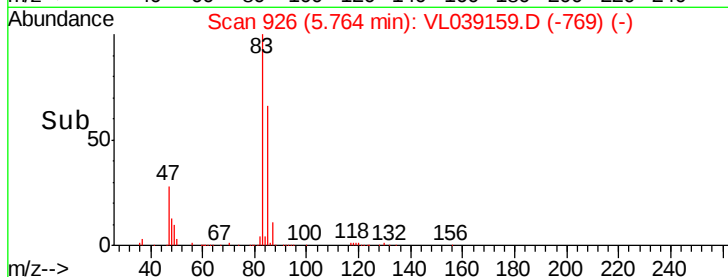
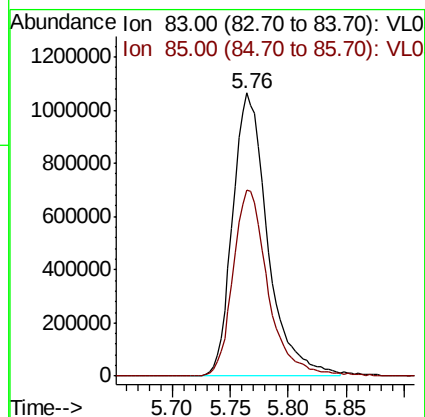
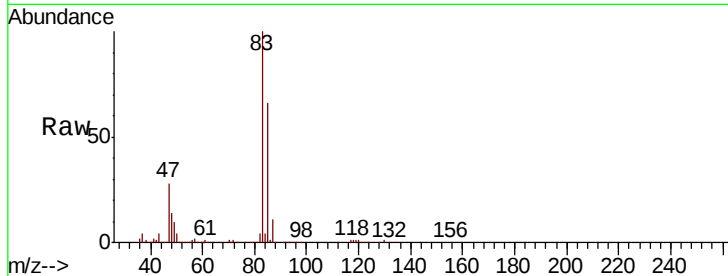
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 83 Resp: 2237712

Ion Ratio Lower Upper

83 100

85 65.8 52.4 78.6



#30

Cyclohexane

Concen: 10.324 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

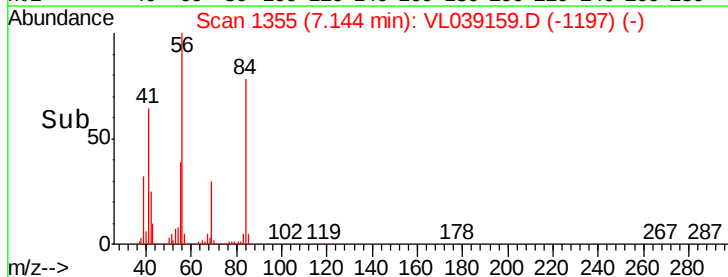
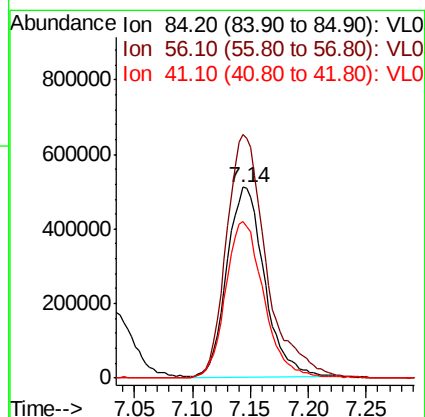
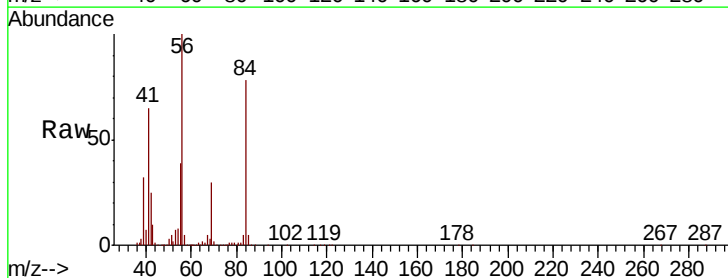
Tgt Ion: 84 Resp: 1149468

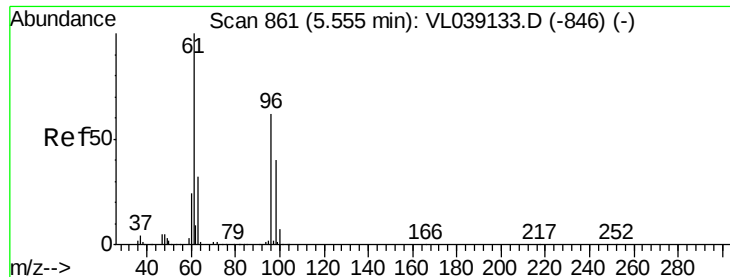
Ion Ratio Lower Upper

84 100

56 136.5 110.6 165.8

41 84.0 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 10.457 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 3 Jun 2022 18:45 VL0603ABS01

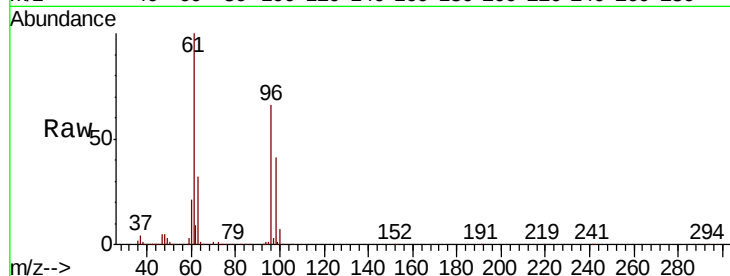
Tot Ion: 61 Resp: 1413148

Ion Ratio Lower Upper

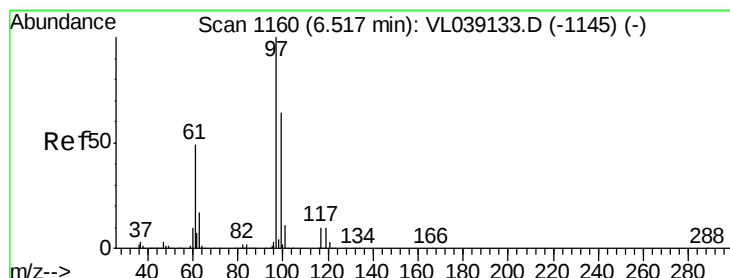
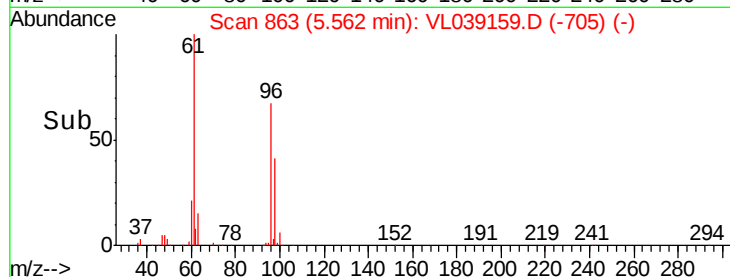
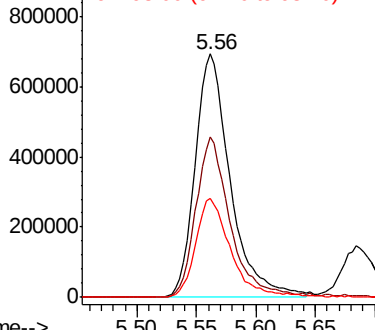
61 100

96 65.5 49.9 74.9

98 40.8 32.0 48.0



Abundance Ion 61.10 (60.80 to 61.80): VL0  
Ion 96.00 (95.70 to 96.70): VL0  
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.321 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

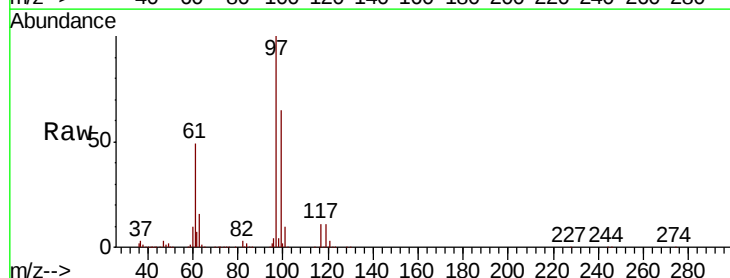
Tgt Ion: 97 Resp: 2252342

Ion Ratio Lower Upper

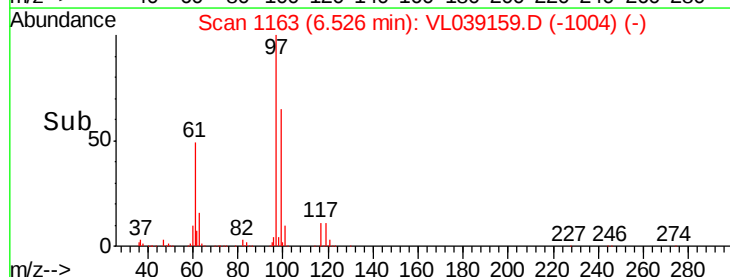
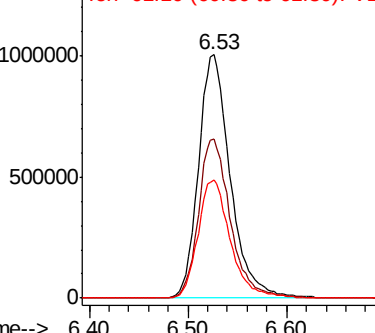
97 100

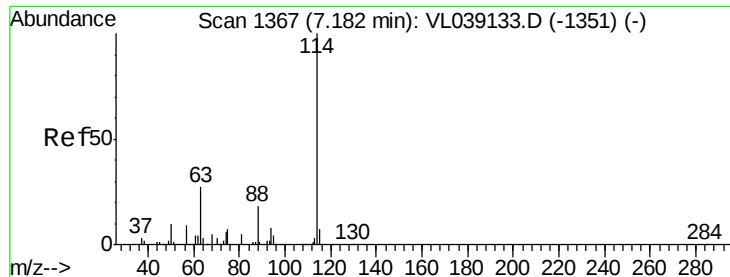
99 65.7 52.1 78.1

61 49.8 40.0 60.0



Abundance Ion 97.00 (96.70 to 97.70): VL0  
Ion 99.00 (98.70 to 99.70): VL0  
Ion 61.10 (60.80 to 61.80): VL0

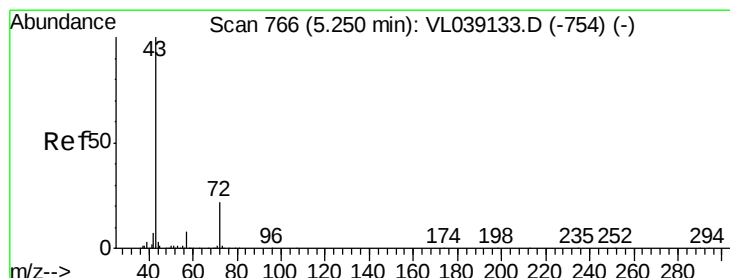
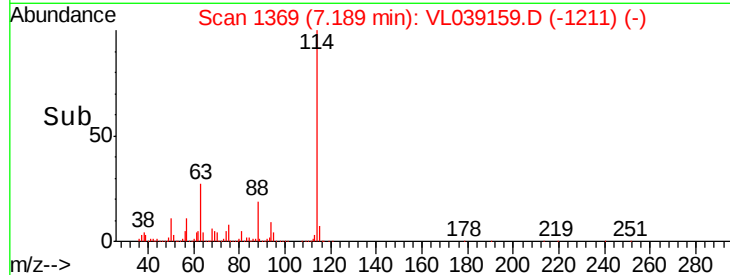
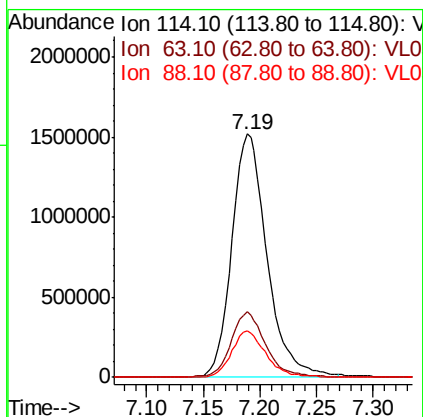
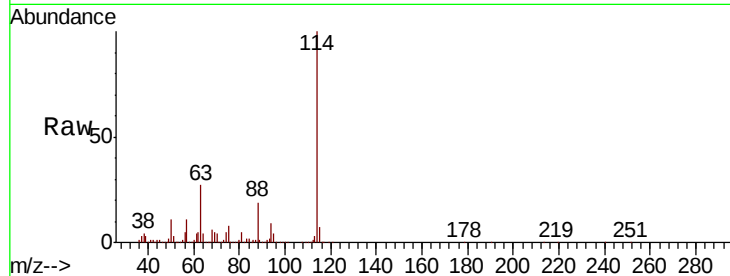




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VL0603ABS01  
 Acq: 3 Jun 2022 18:45

Tot Ion:114 Resp: 3290444

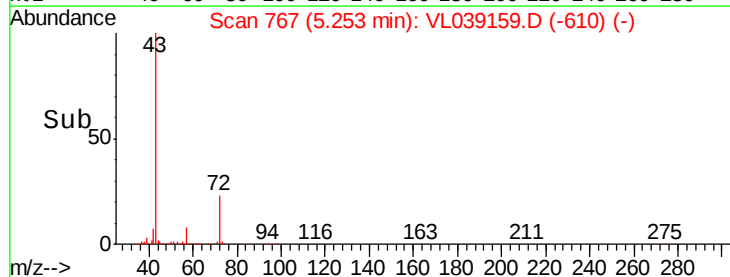
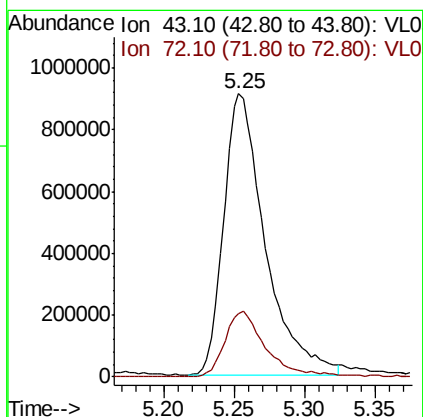
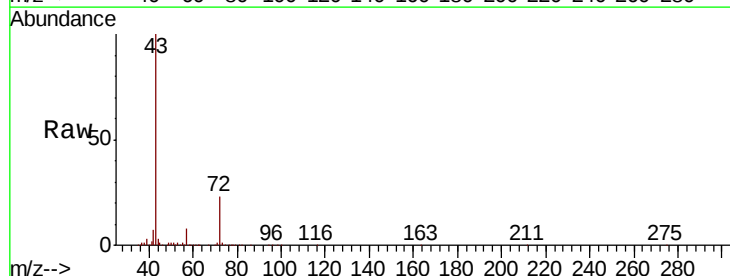
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 26.9  | 21.7  | 32.5  |
| 88  | 18.9  | 14.8  | 22.2  |

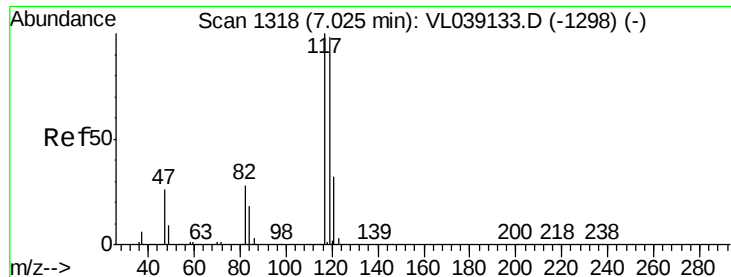


#34  
 2-Butanone  
 Concen: 10.517 ppbv  
 RT: 5.25 min Scan# 767  
 Delta R.T.: 0.00 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion: 43 Resp: 1880007

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 23.4  | 18.2  | 27.2  |

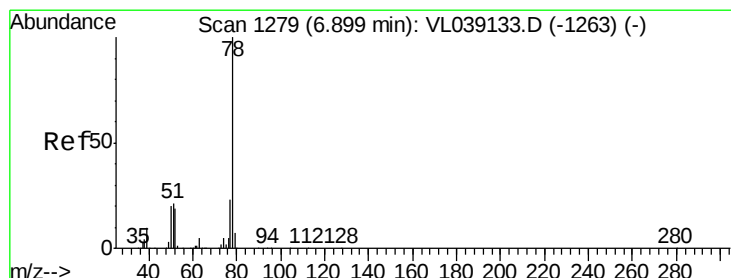
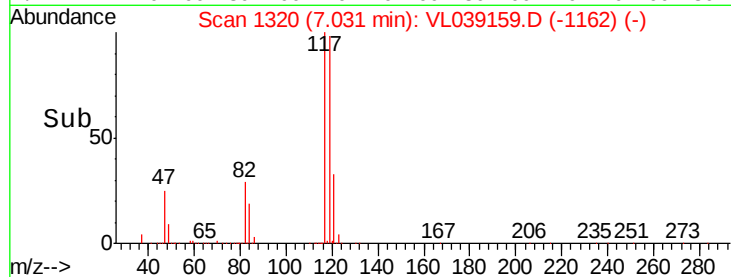
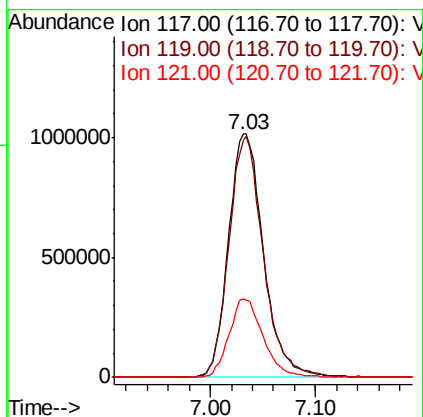
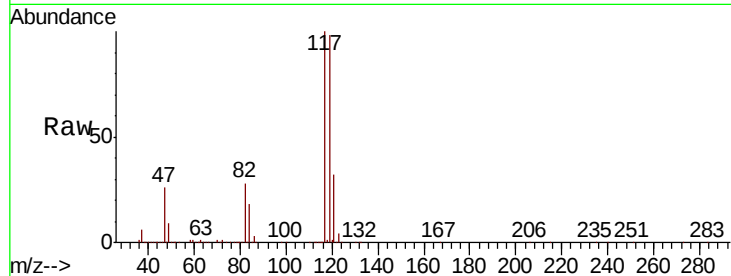




#35  
 Carbon Tetrachloride  
 Concen: 9.729 ppbv  
 RT: 7.03  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

Tot Ion: 117 Resp: 2336545

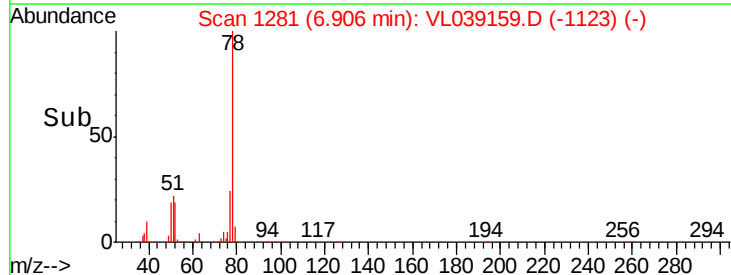
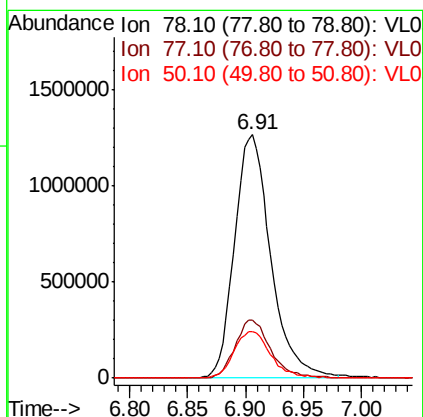
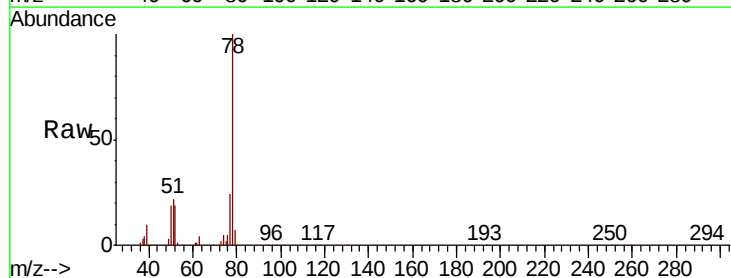
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 97.6  | 78.6  | 118.0 |
| 121 | 32.4  | 25.4  | 38.0  |

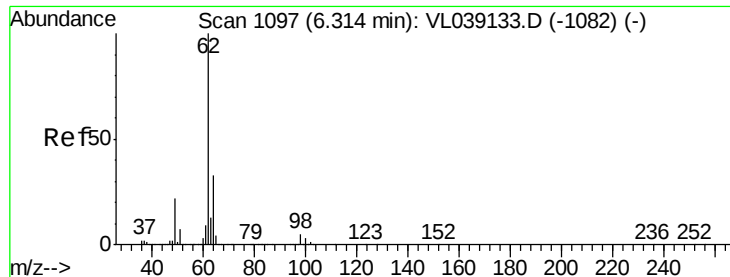


#36  
 Benzene  
 Concen: 10.298 ppbv  
 RT: 6.91 min Scan# 1281  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion: 78 Resp: 2750913

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 23.6  | 18.6  | 27.8  |
| 50  | 19.0  | 15.8  | 23.8  |





#37

1,2-Dichloroethane

Concen: 10.004 ppbv

RT: 6.32 Instrument: MSVOA\_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VL0603ABS01

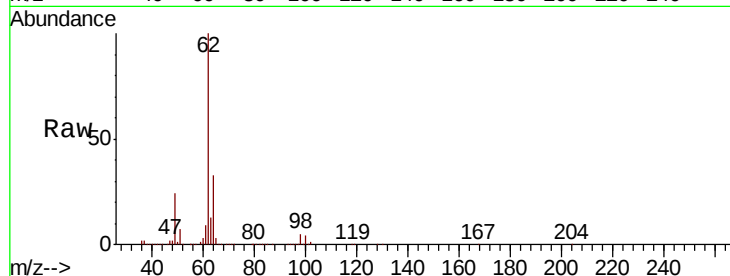
Acq: 3 Jun 2022 18:45

Tot Ion: 62 Resp: 1758787

Ion Ratio Lower Upper

62 100

98 5.4 4.3 6.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

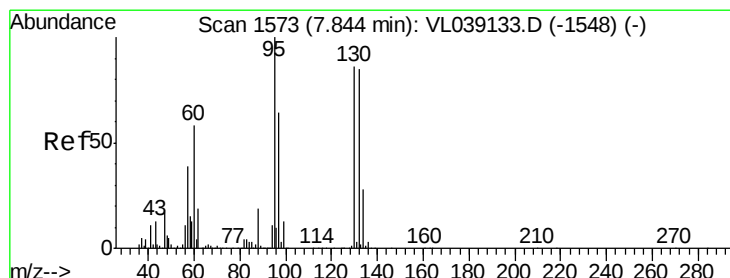
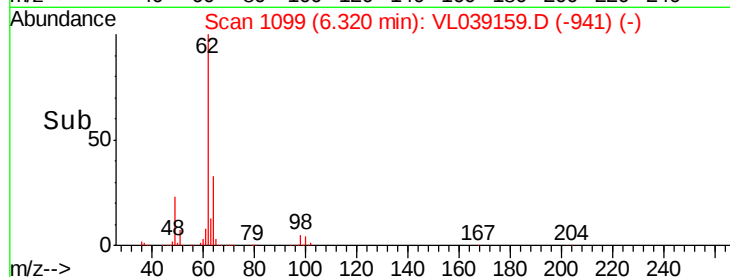
400000

200000

0

6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 11.027 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

Tgt Ion:130 Resp: 1353067

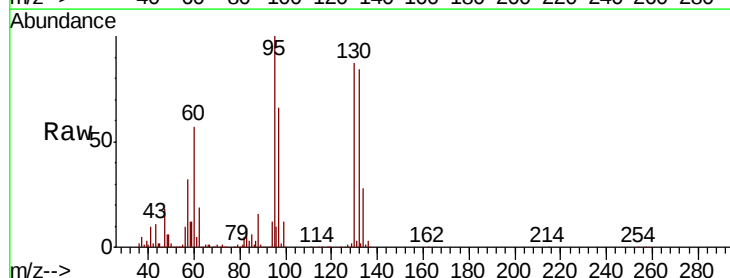
Ion Ratio Lower Upper

130 100

95 114.7 93.3 139.9

132 96.9 79.0 118.4

97 75.5 59.4 89.2



Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

600000

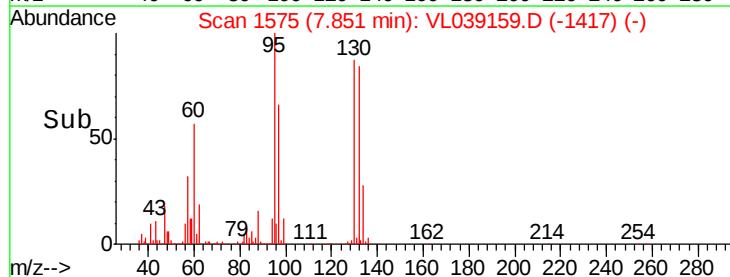
400000

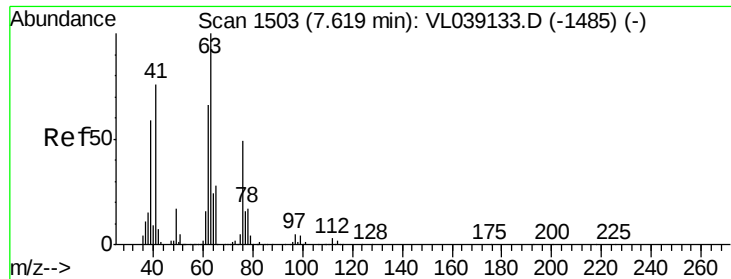
200000

0

7.75 7.80 7.85 7.90 7.95

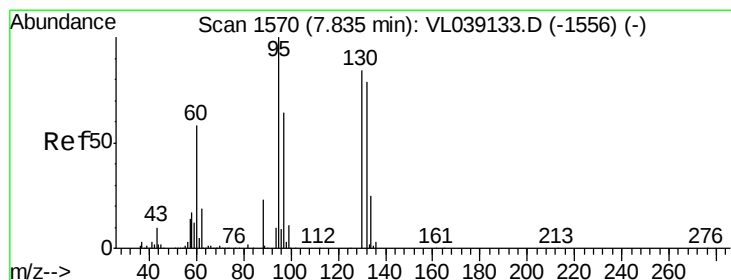
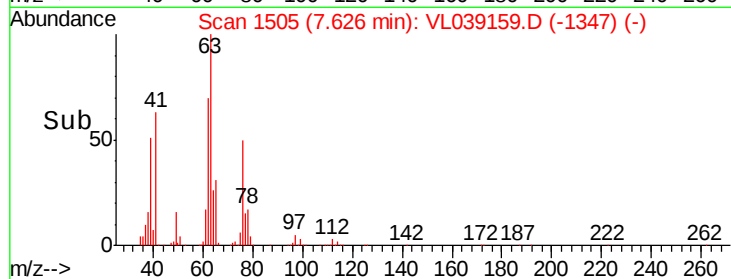
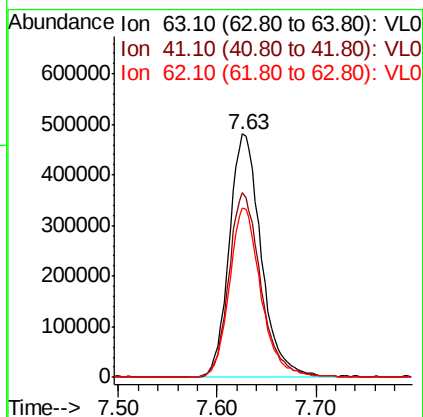
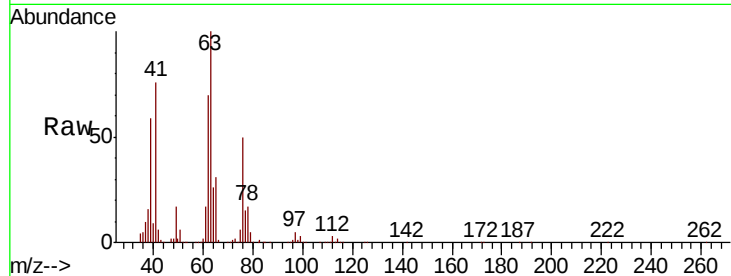
Time-->





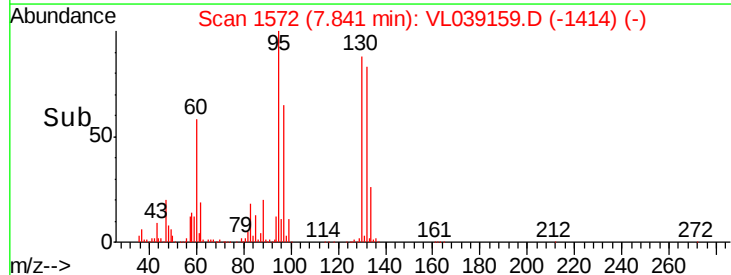
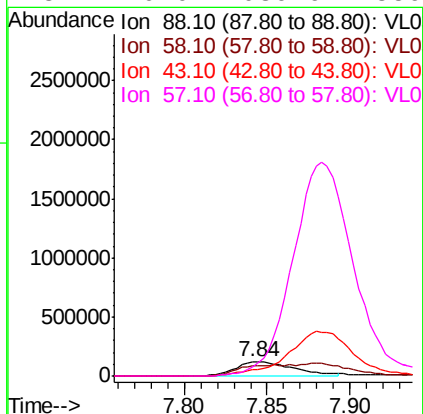
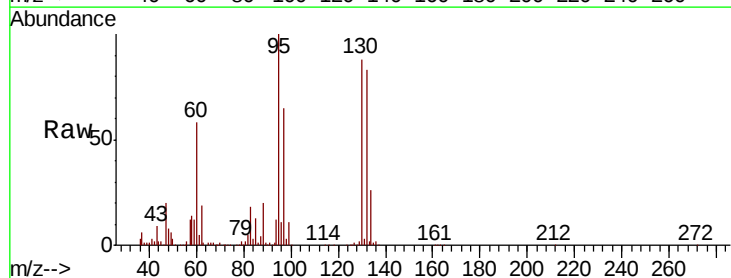
#39  
 1,2-Dichloropropane  
 Concen: 10.229 ppbv  
 RT: 7.63  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VL0603ABS01  
 Acq: 3 Jun 2022 18:45

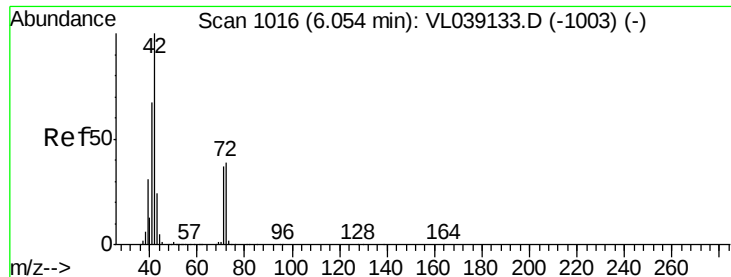
Tot Ion: 63 Resp: 1086930  
 Ion Ratio Lower Upper  
 63 100  
 41 76.0 60.8 91.2  
 62 69.7 52.9 79.3



#40  
 1,4-Dioxane  
 Concen: 8.351 ppbv  
 RT: 7.84 min Scan# 1572  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion: 88 Resp: 292119  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 111.2 166.8#  
 43 0.0 234.2 351.4#  
 57 0.0 1039.9 1559.9#





#41

Tetrahydrofuran

Concen: 10.614 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 18:45 VL0603ABS01

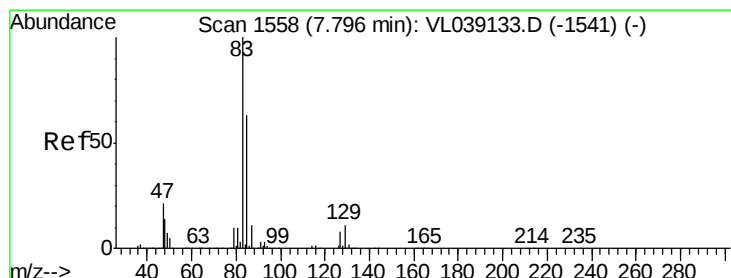
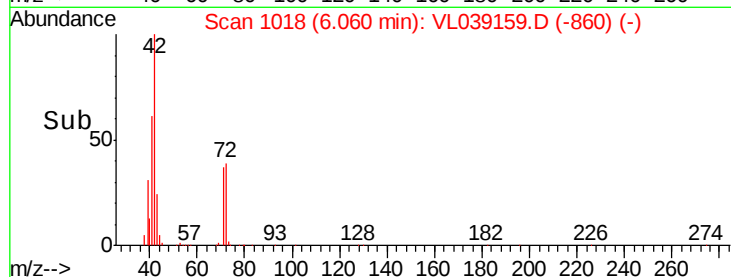
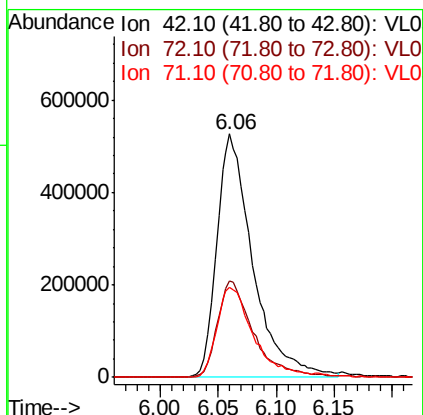
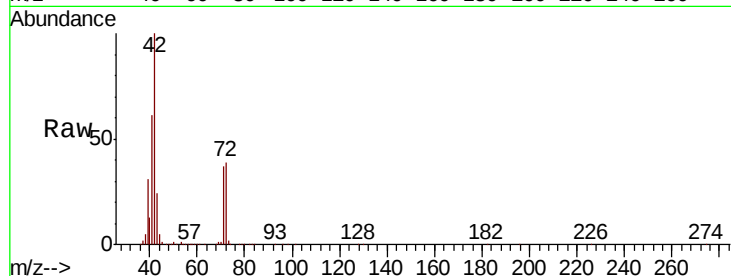
Tot Ion: 42 Resp: 1141113

Ion Ratio Lower Upper

42 100

72 40.3 32.0 48.0

71 38.5 31.1 46.7



#42

Bromodichloromethane

Concen: 10.272 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

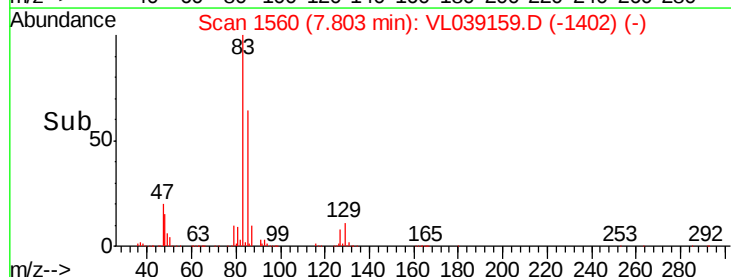
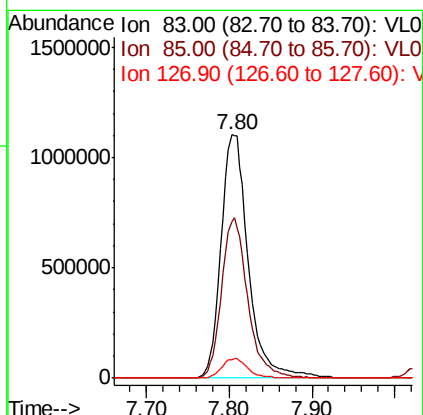
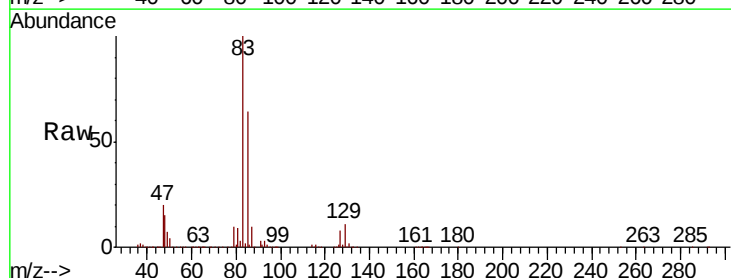
Tgt Ion: 83 Resp: 2506224

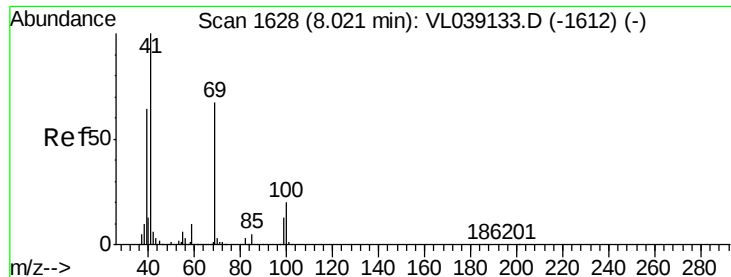
Ion Ratio Lower Upper

83 100

85 64.1 50.2 75.4

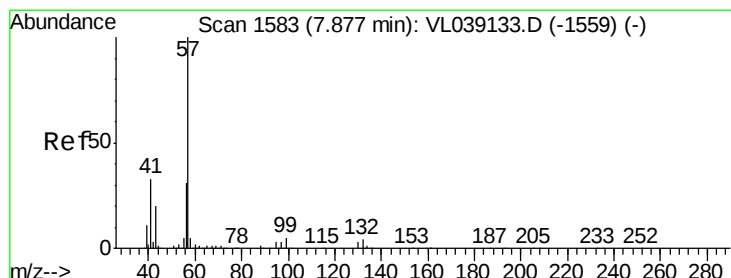
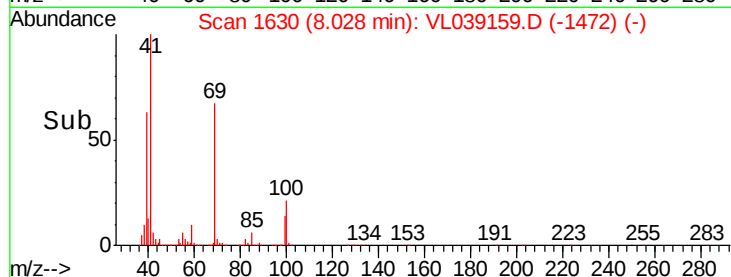
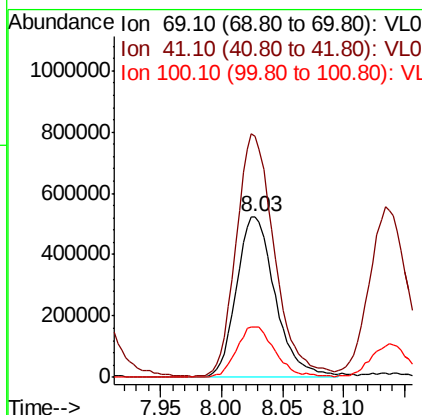
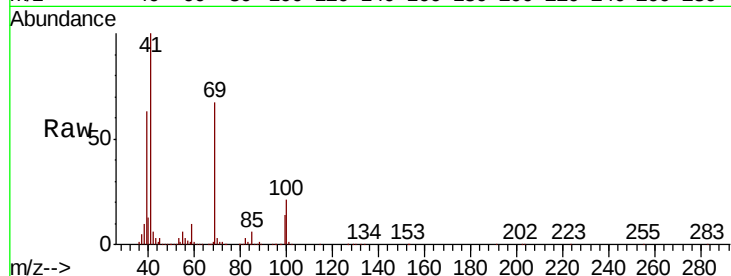
127 7.6 6.6 9.8





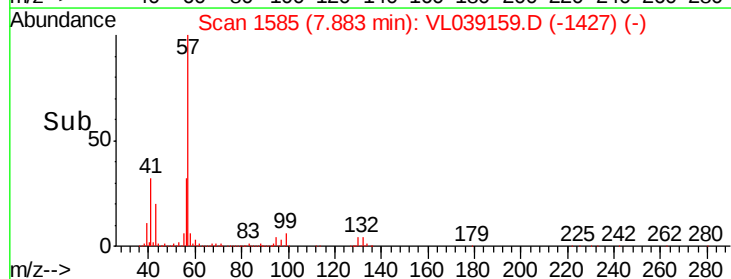
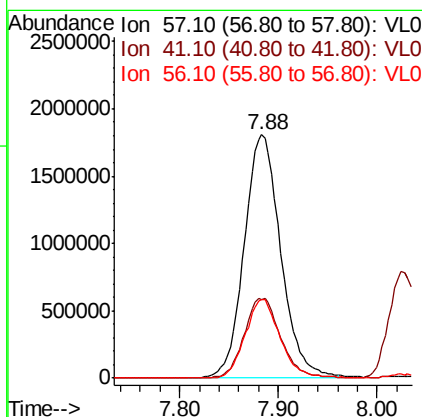
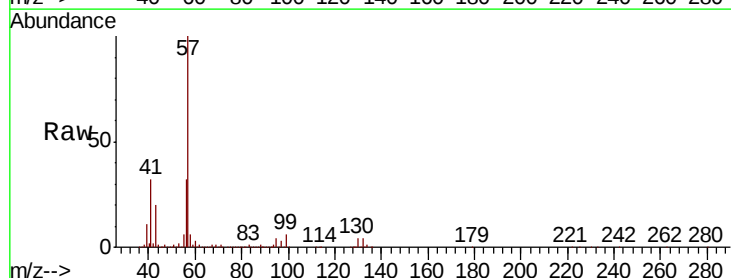
#43  
Methvl Methacrylate  
Concen: 11.078 ppbv  
RT: 8.03  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL0603ABS01  
Acq: 3 Jun 2022 18:45

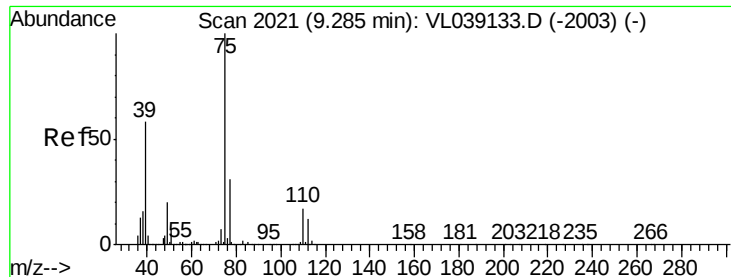
Tot Ion: 69 Resp: 1152761  
Ion Ratio Lower Upper  
69 100  
41 149.9 121.9 182.9  
100 31.6 24.1 36.1



#44  
2,2,4-Trimethylpentane  
Concen: 9.919 ppbv  
RT: 7.88 min Scan# 1585  
Delta R.T. 0.01 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

Tgt Ion: 57 Resp: 4635208  
Ion Ratio Lower Upper  
57 100  
41 32.6 26.2 39.4  
56 31.1 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 12.005 ppbv

RT: 9.29 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

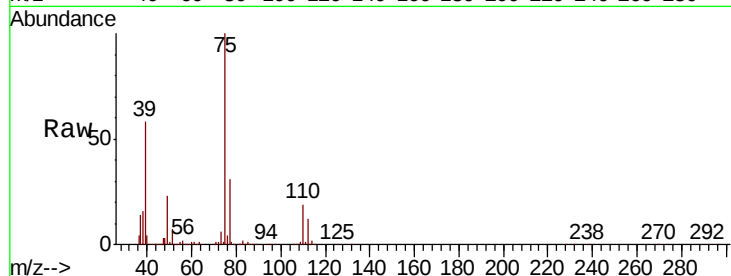
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 75 Resp: 1300978

Ion Ratio Lower Upper

75 100

77 31.1 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

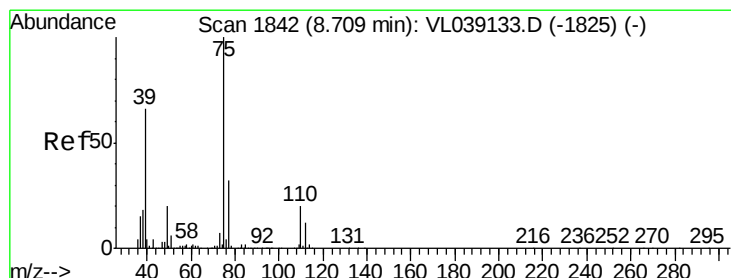
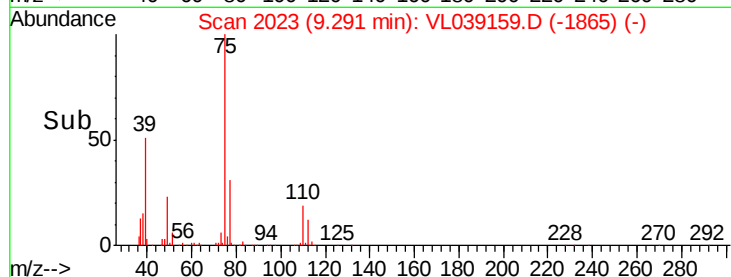
400000

200000

0

9.20 9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.232 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

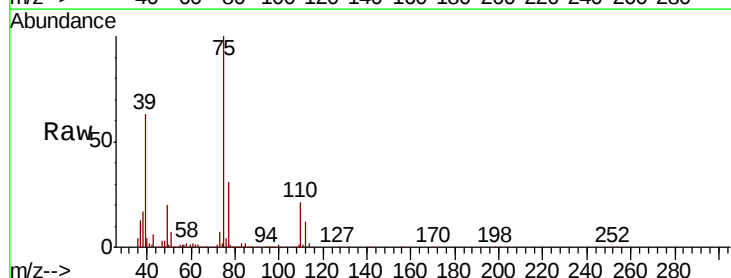
Tgt Ion: 75 Resp: 1607992

Ion Ratio Lower Upper

75 100

39 62.7 52.4 78.6

77 31.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

600000

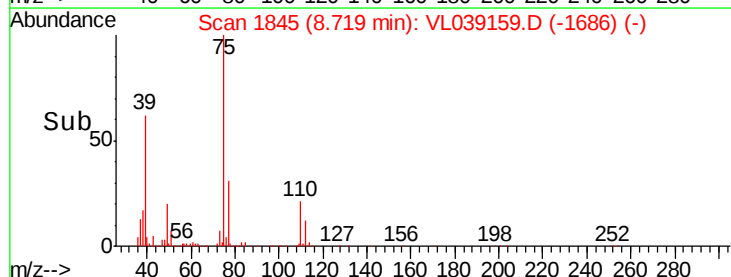
400000

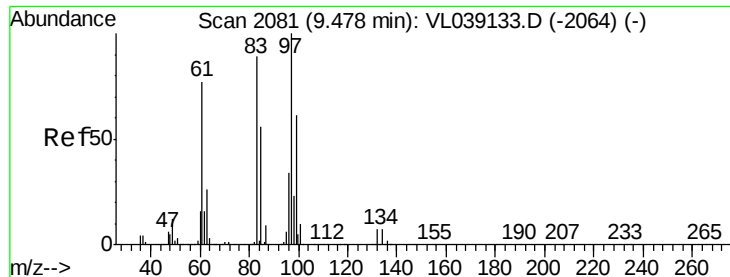
200000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.417 ppbv

RT: 9.49 Instrument:

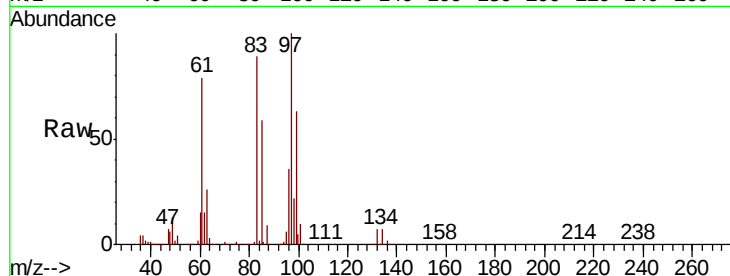
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

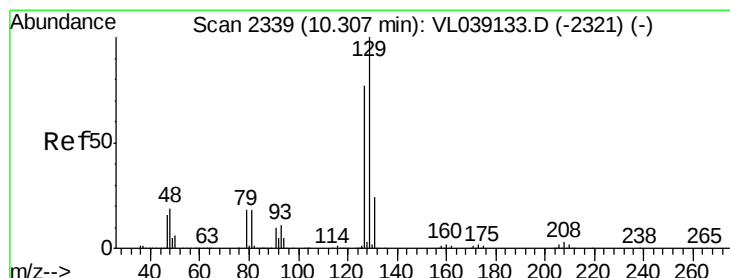
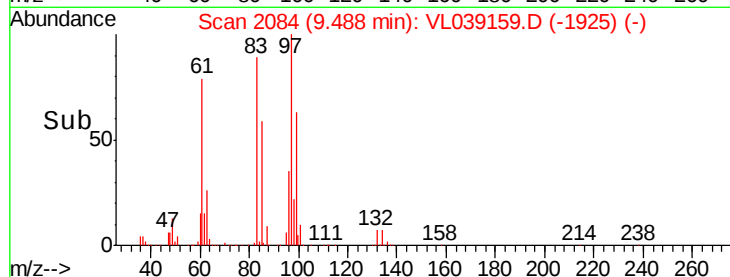
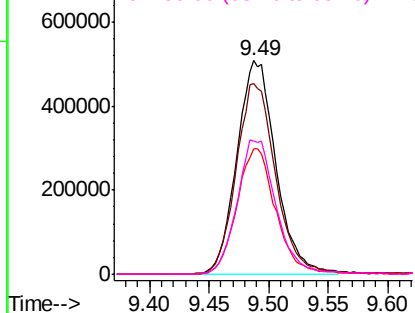
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 97 Resp: 1154729

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 89.4  | 71.6  | 107.4 |
| 85  | 58.8  | 44.8  | 67.2  |
| 99  | 62.5  | 49.0  | 73.4  |



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: 10.442 ppbv

RT: 10.32 min Scan# 2342

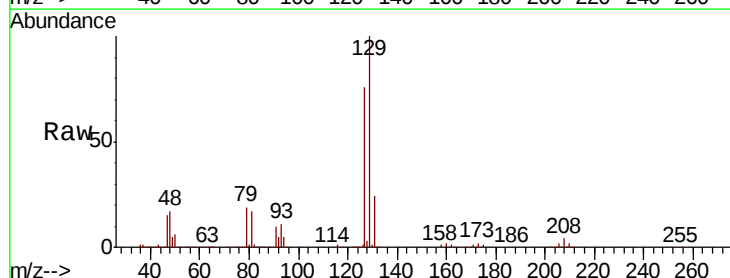
Delta R.T. 0.01 min

Lab File: VL039159.D

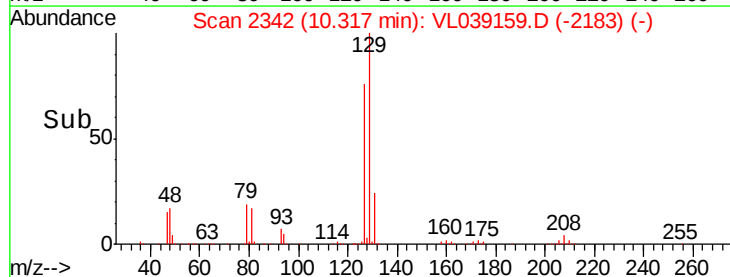
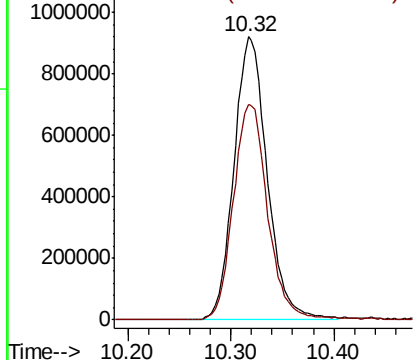
Acq: 3 Jun 2022 18:45

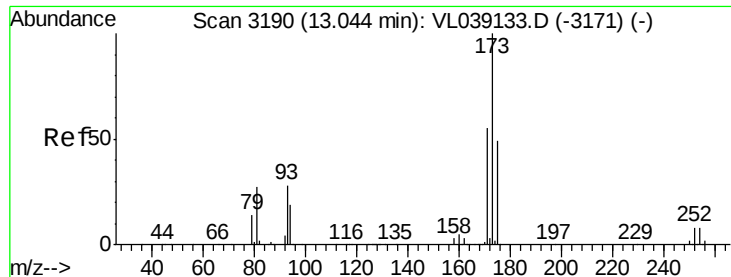
Tgt Ion: 129 Resp: 2066783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.1  | 40.0  | 119.9 |



Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.123 ppbv

RT: 13.05

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 3 Jun 2022 18:45

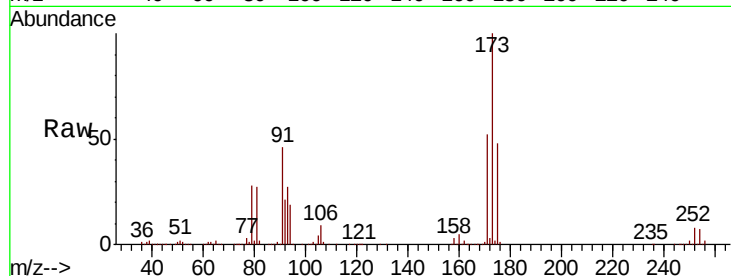
Tot Ion:173 Resp: 1669843

Ion Ratio Lower Upper

173 100

175 51.2 40.2 60.2

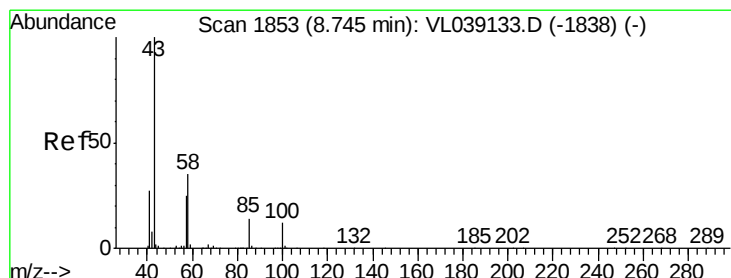
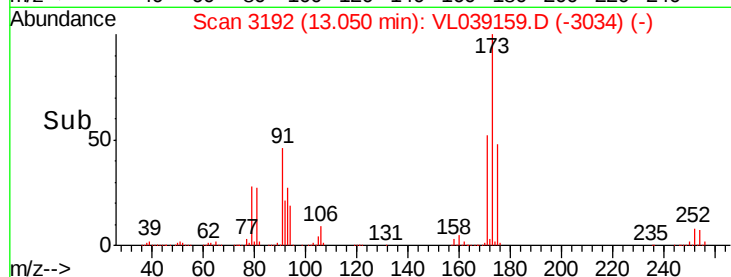
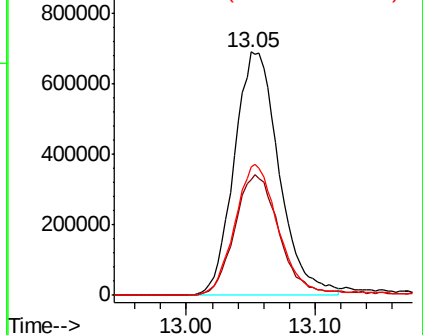
171 53.8 43.9 65.9



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: 10.726 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL039159.D

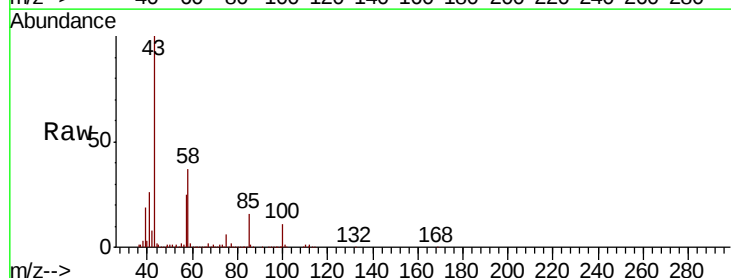
Acq: 3 Jun 2022 18:45

Tgt Ion: 43 Resp: 2870032

Ion Ratio Lower Upper

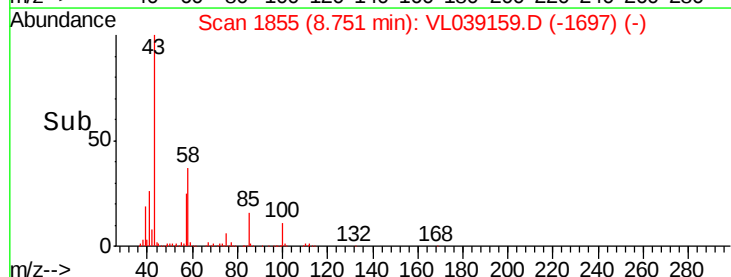
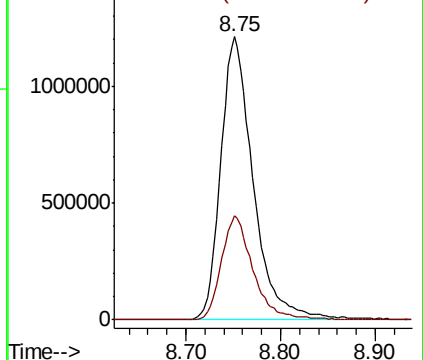
43 100

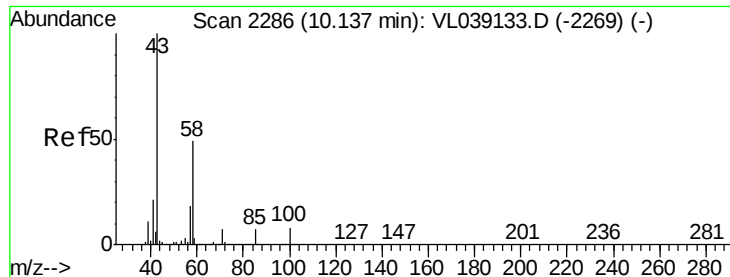
58 36.3 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

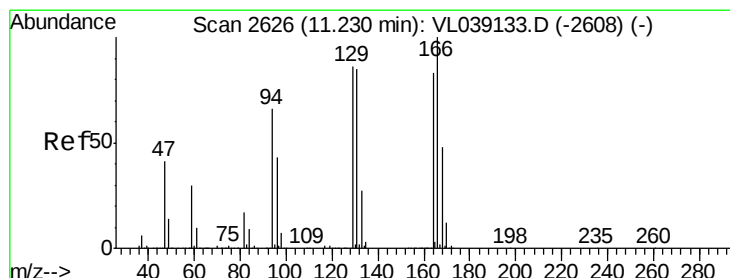
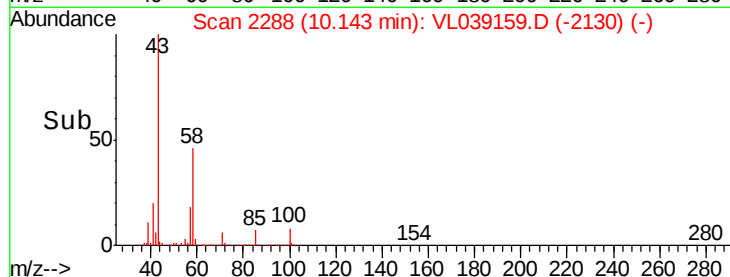
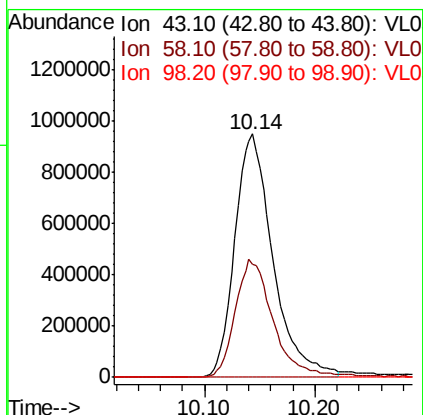
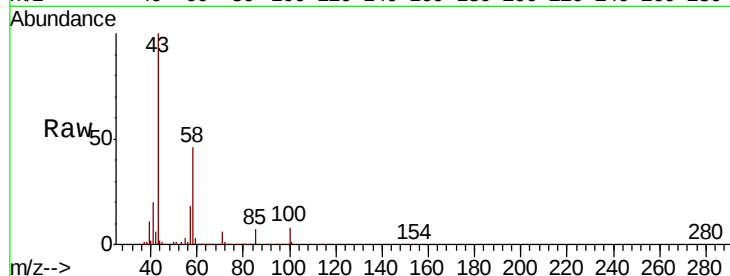
Ion 58.10 (57.80 to 58.80): VL0





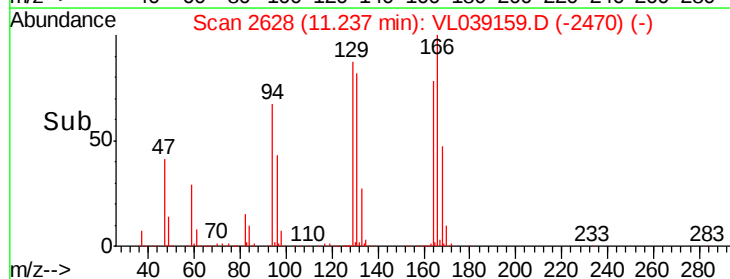
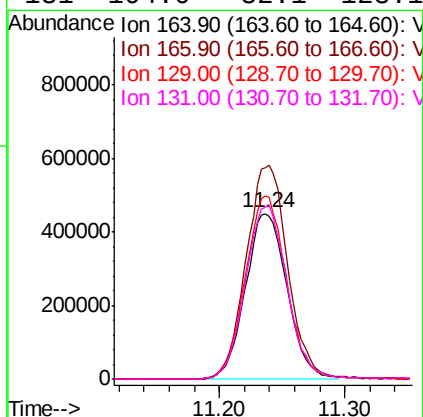
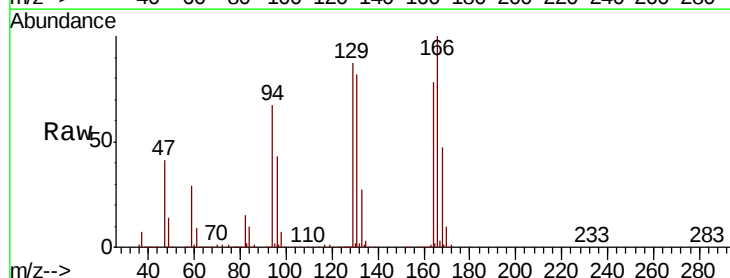
#51  
2-Hexanone  
Concen: 10.934 ppbv  
RT: 10.14 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampled :  
Acq: 3 Jun 2022 18:45

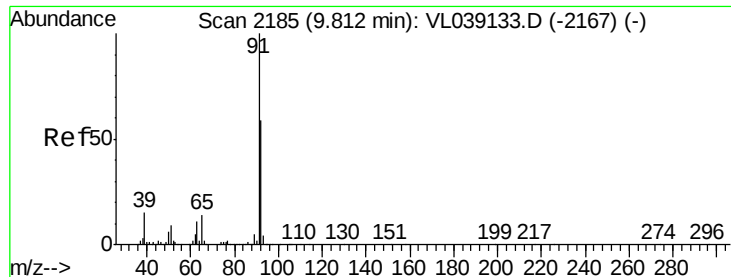
Tot Ion: 43 Resp: 2276589  
Ion Ratio Lower Upper  
43 100  
58 49.3 40.0 60.0  
98 0.1 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 9.957 ppbv  
RT: 11.24 min Scan# 2628  
Delta R.T. 0.01 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

Tgt Ion:164 Resp: 1038536  
Ion Ratio Lower Upper  
164 100  
166 127.5 96.3 144.5  
129 111.0 82.5 123.7  
131 104.0 82.1 123.1





#53

Toluene

Concen: 10.522 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

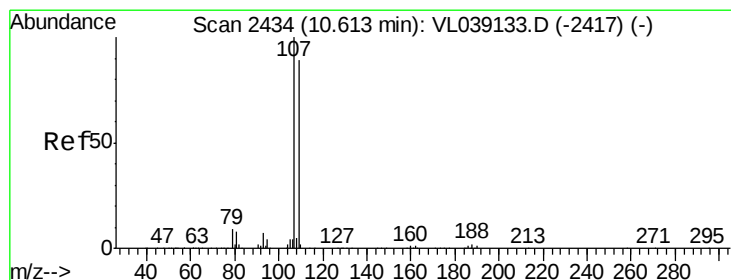
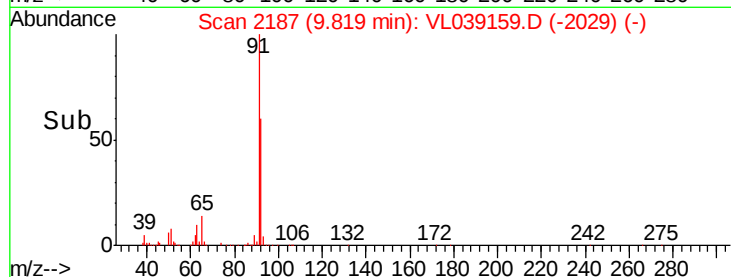
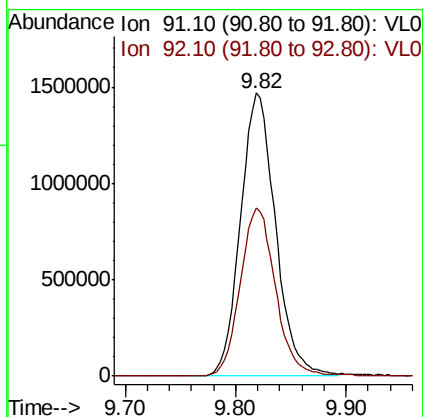
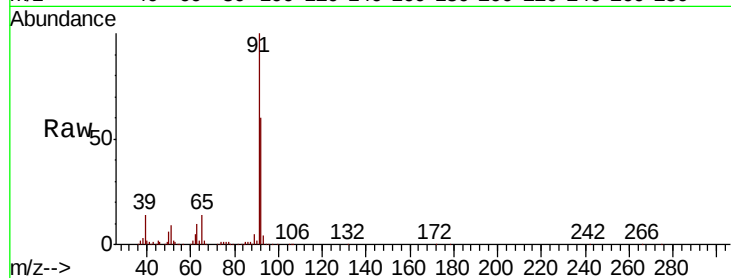
Acq: 3 Jun 2022 18:45 VL0603ABS01

Tot Ion: 91 Resp: 3236547

Ion Ratio Lower Upper

91 100

92 59.8 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.799 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.01 min

Lab File: VL039159.D

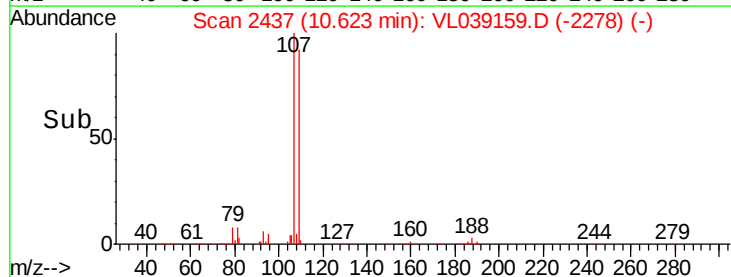
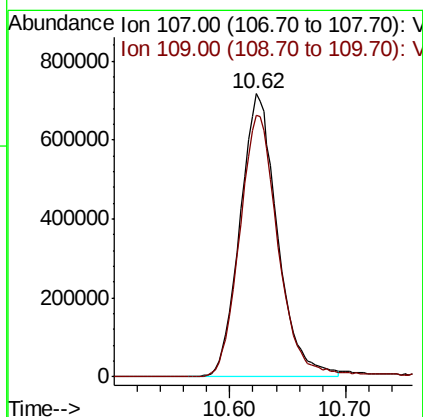
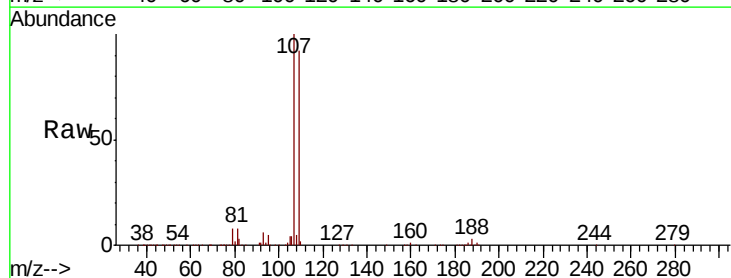
Acq: 3 Jun 2022 18:45

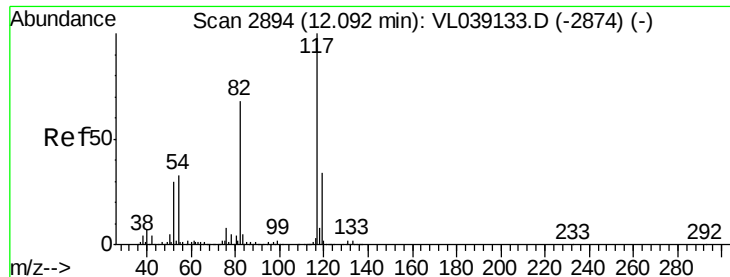
Tgt Ion: 107 Resp: 1608648

Ion Ratio Lower Upper

107 100

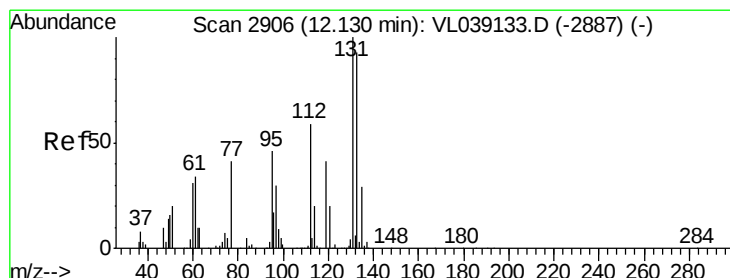
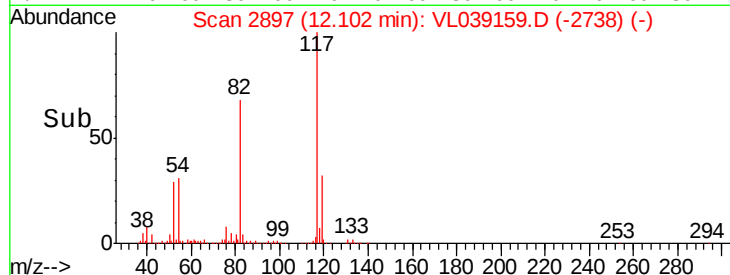
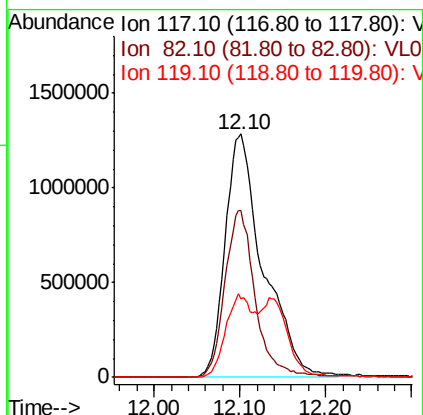
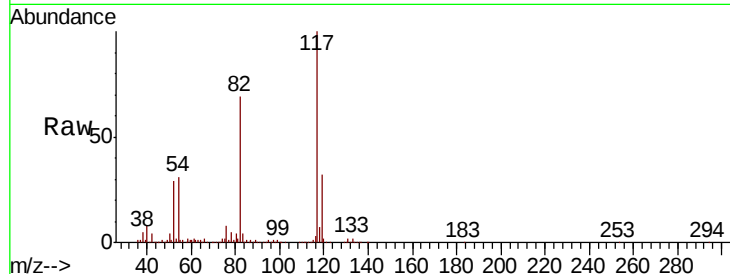
109 92.3 71.4 107.0





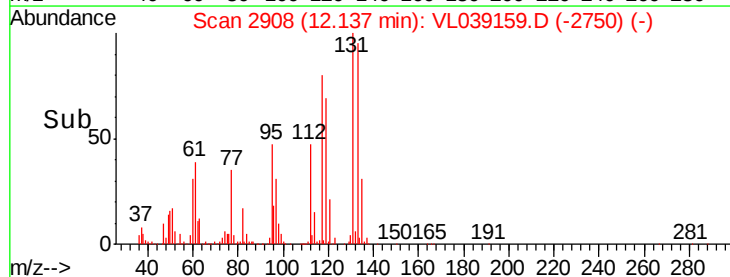
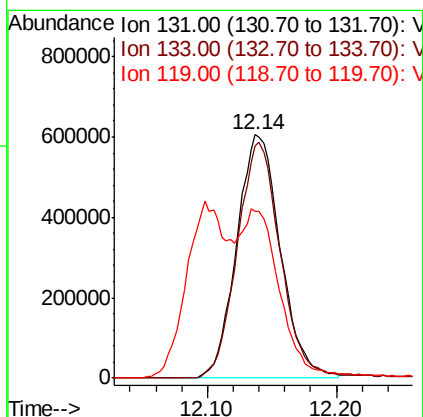
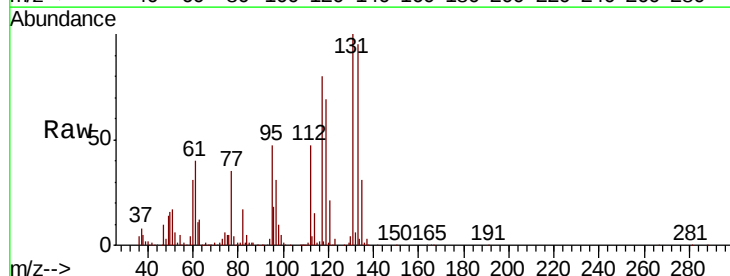
#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.10 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

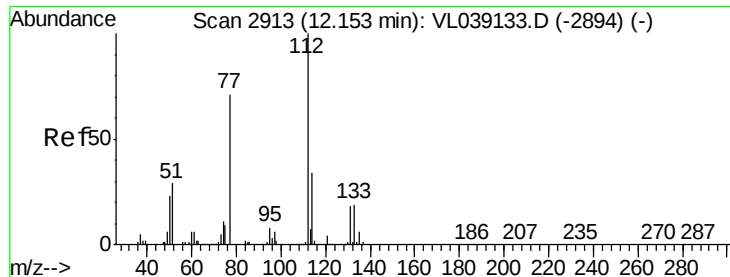
Tot Ion:117 Resp: 3965179  
 Ion Ratio Lower Upper  
 117 100  
 82 54.8 55.1 82.7#  
 119 21.9 24.7 37.1#



#56  
 1,1,1,2-Tetrachloroethane  
 Concen: 7.593 ppbv  
 RT: 12.14 min Scan# 2908  
 Delta R.T.: 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion:131 Resp: 1424607  
 Ion Ratio Lower Upper  
 131 100  
 133 97.7 78.6 117.8  
 119 63.2 51.7 77.5

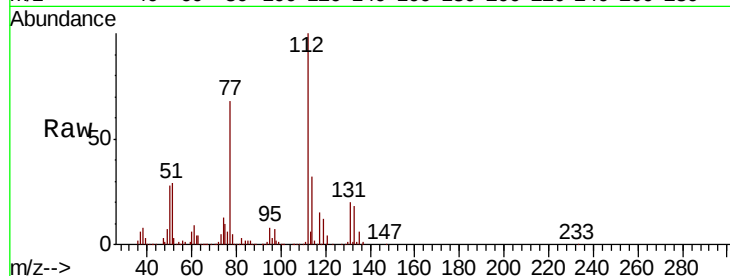




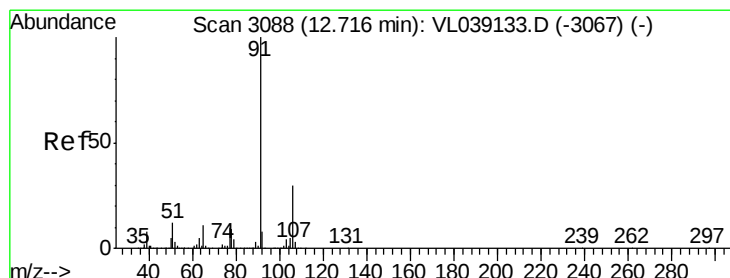
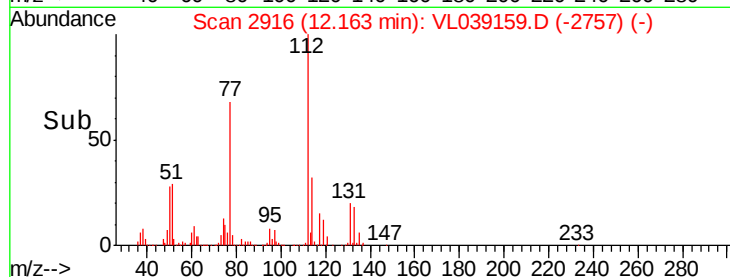
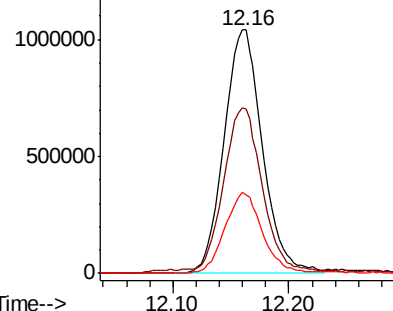
#57  
Chlorobenzene  
Concen: 8.027 ppbv  
RT: 12.16 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId : VL0603ABS01  
Acq: 3 Jun 2022 18:45

Tot Ion: 112 Resp: 2394881

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 77  | 66.3  | 56.5  | 84.7  |
| 114 | 32.0  | 30.3  | 37.1  |



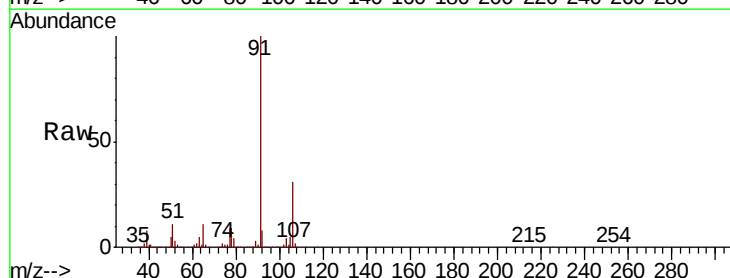
Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 114.10 (113.80 to 114.80): V



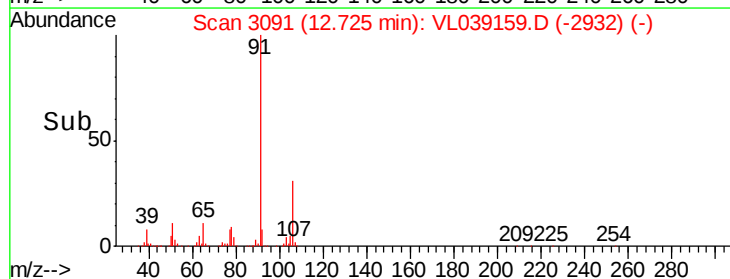
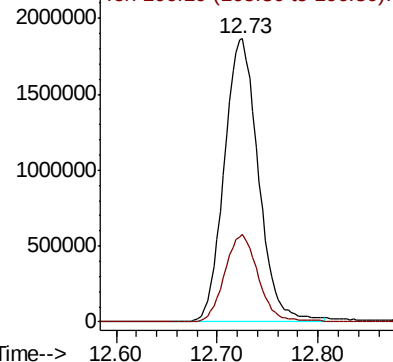
#58  
Ethyl Benzene  
Concen: 8.036 ppbv  
RT: 12.73 min Scan# 3091  
Delta R.T. 0.01 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

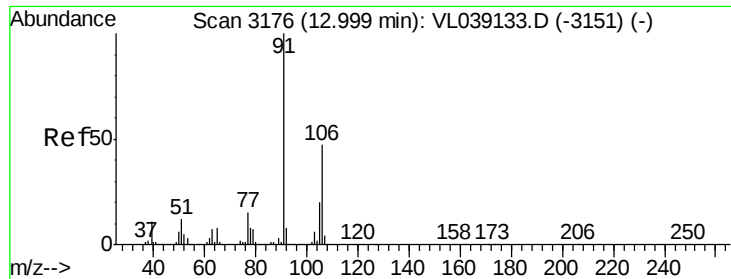
Tgt Ion: 91 Resp: 4389083

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 30.9  | 24.2  | 36.4  |



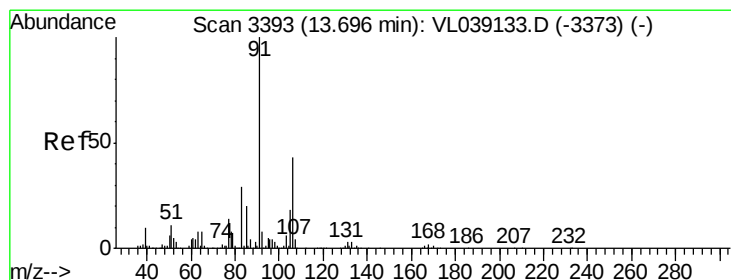
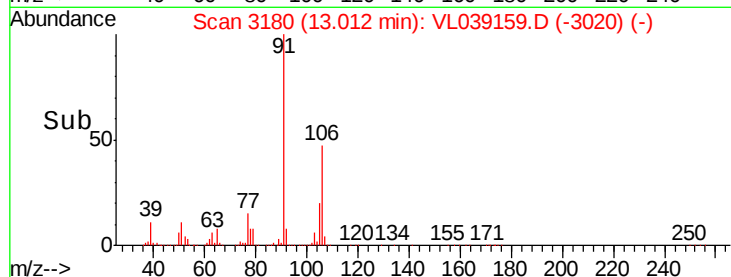
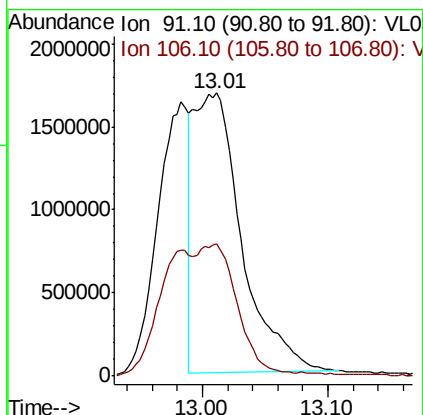
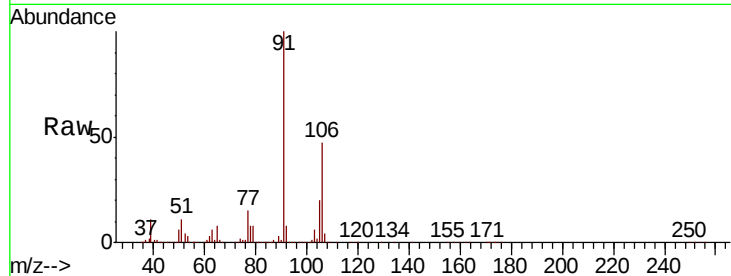
Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 106.10 (105.80 to 106.80): V





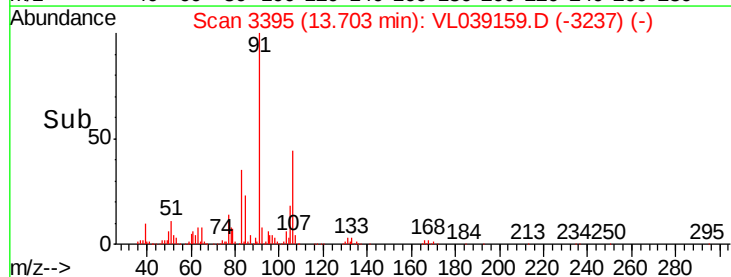
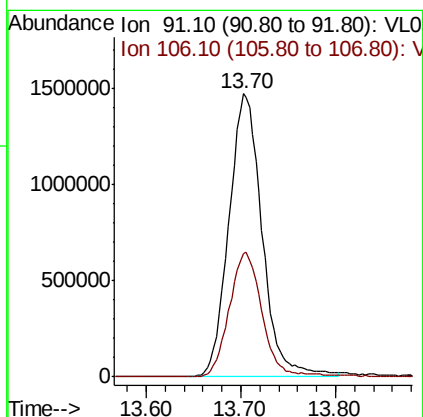
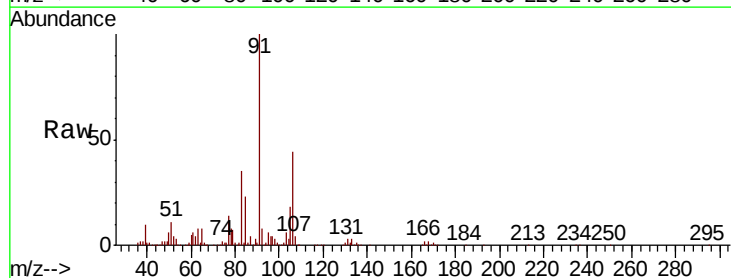
#59  
m/p-Xylene  
Concen: 9.221 ppbv  
RT: 13.01 min  
Delta R.T. 0.01 min  
Lab File: VL0603ABS01  
Acq: 3 Jun 2022 18:45

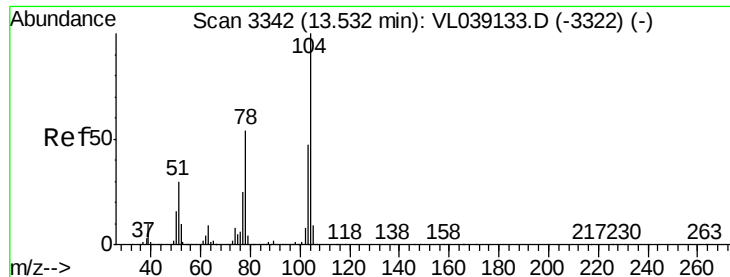
Tot Ion: 91 Resp: 4435161  
Ion Ratio Lower Upper  
91 100  
106 74.1 34.3 51.5#



#60  
o-Xylene  
Concen: 7.947 ppbv  
RT: 13.70 min Scan# 3395  
Delta R.T. 0.01 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

Tgt Ion: 91 Resp: 3591737  
Ion Ratio Lower Upper  
91 100  
106 44.3 22.3 66.9

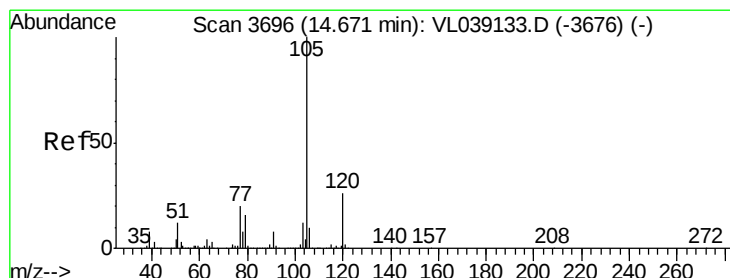
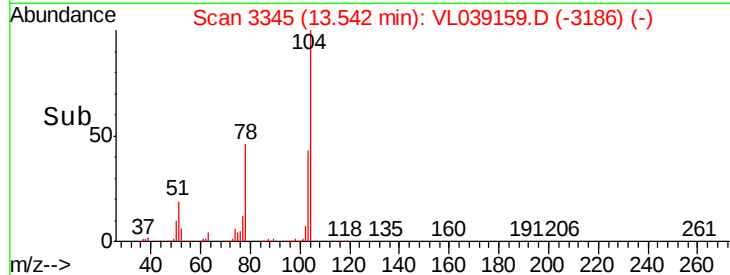
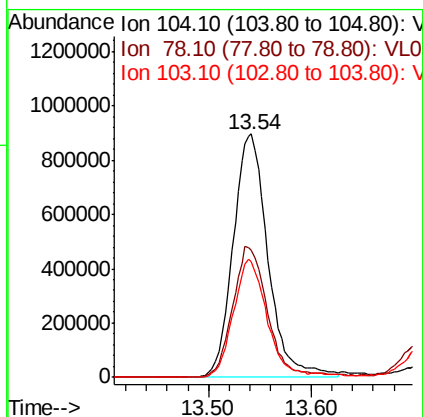
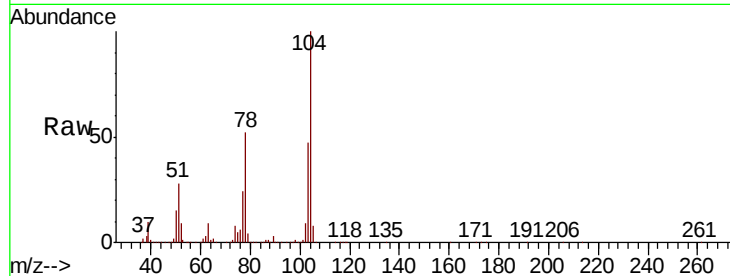




#61  
Stvrene  
Concen: 8.725 ppbv  
RT: 13.54 min  
Delta R.T. 0.01 min  
Lab File: VL0603ABS01  
Acq: 3 Jun 2022 18:45

Tot Ion:104 Resp: 2111640

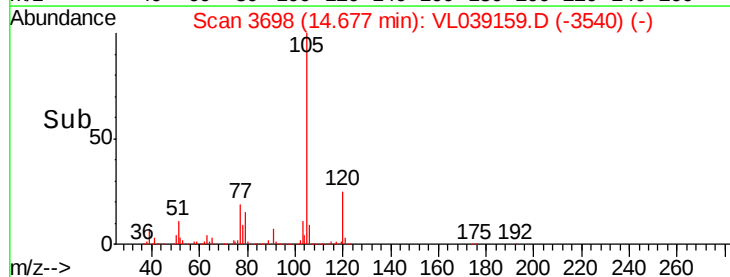
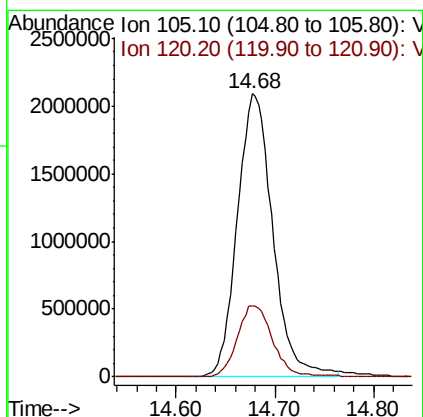
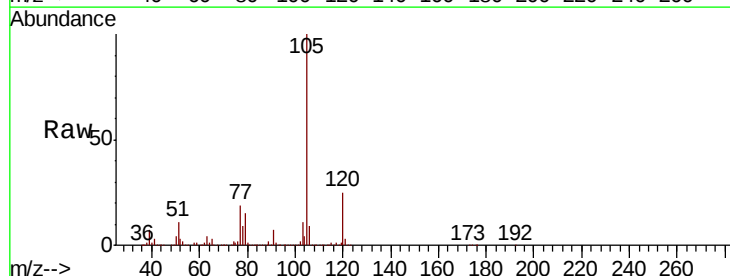
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 54.4  | 45.7  | 68.5  |
| 103 | 47.9  | 39.6  | 59.4  |

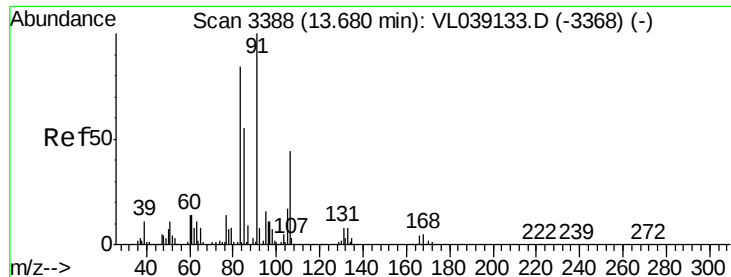


#62  
Isopropylbenzene  
Concen: 7.750 ppbv  
RT: 14.68 min Scan# 3698  
Delta R.T. 0.01 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

Tgt Ion:105 Resp: 5206081

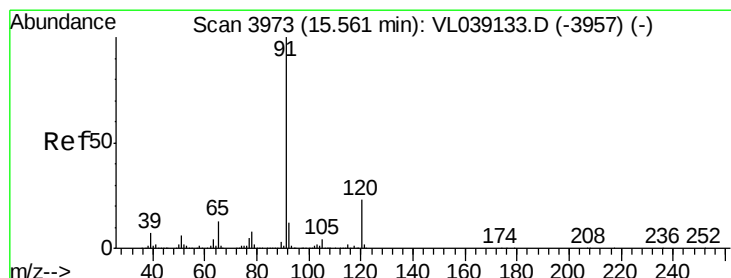
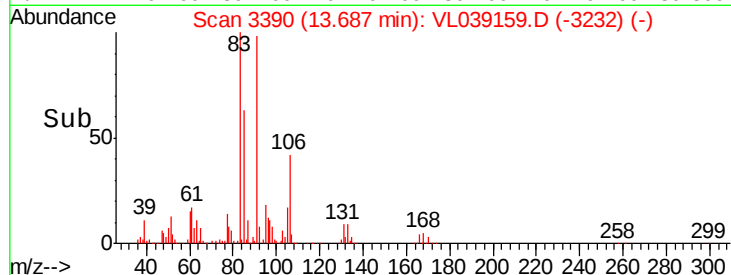
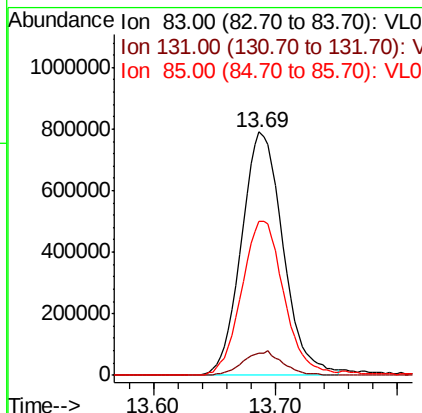
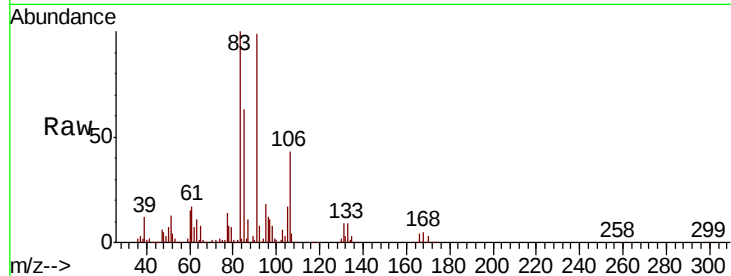
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 25.6  | 20.3  | 30.5  |





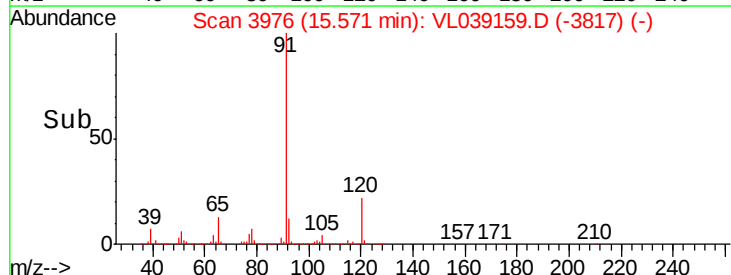
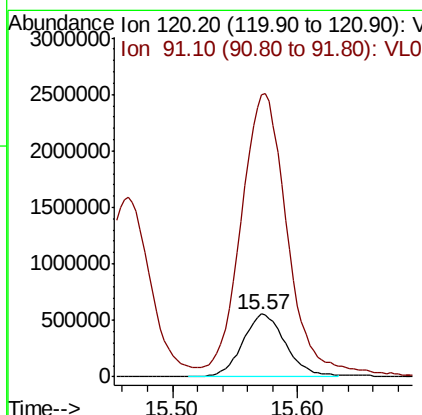
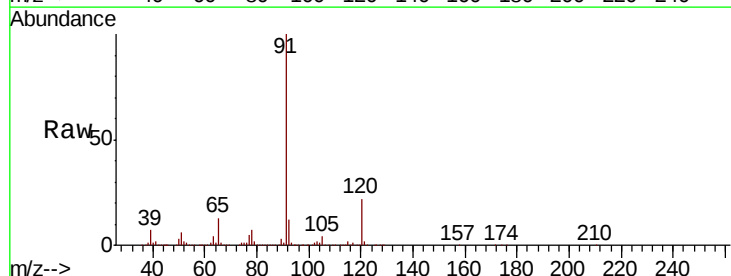
#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 7.339 ppbv  
 RT: 13.69  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VL0603ABS01  
 Acq: 3 Jun 2022 18:45

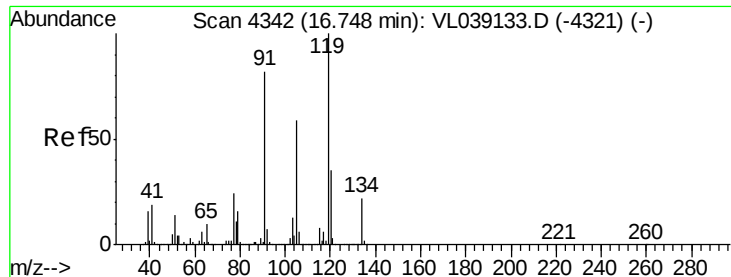
Tot Ion: 83 Resp: 1861882  
 Ion Ratio Lower Upper  
 83 100  
 131 9.5 4.8 14.3  
 85 66.2 33.0 99.0



#64  
 n-propylbenzene  
 Concen: 8.050 ppbv  
 RT: 15.57 min Scan# 3976  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

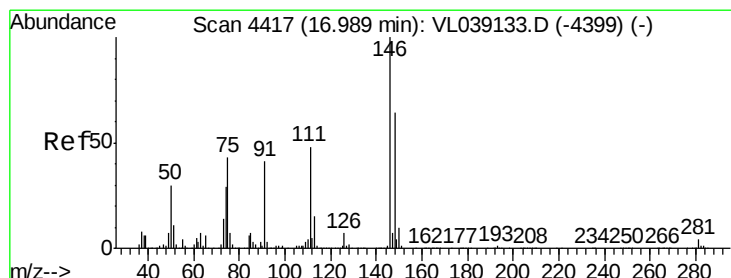
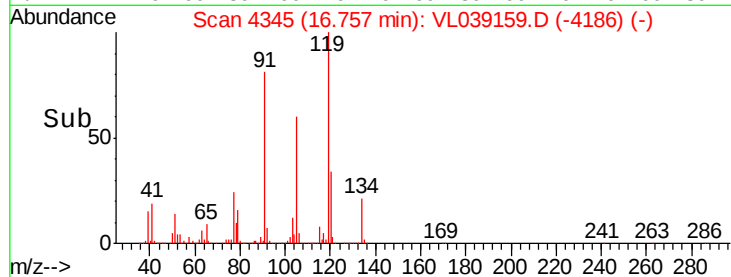
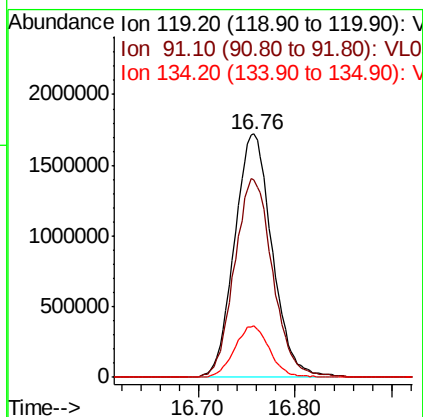
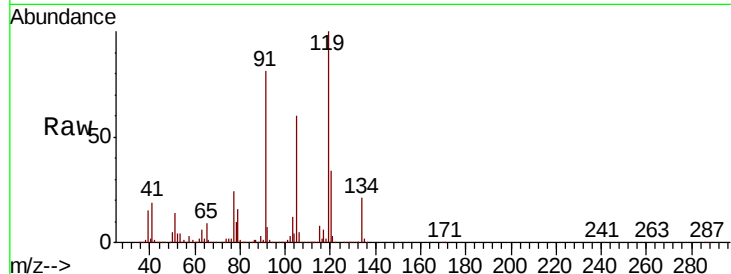
Tgt Ion:120 Resp: 1329321  
 Ion Ratio Lower Upper  
 120 100  
 91 492.3 388.4 582.6





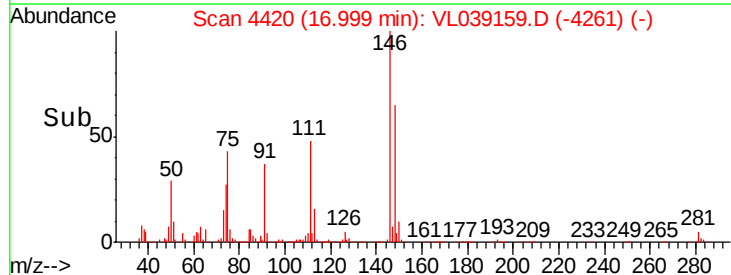
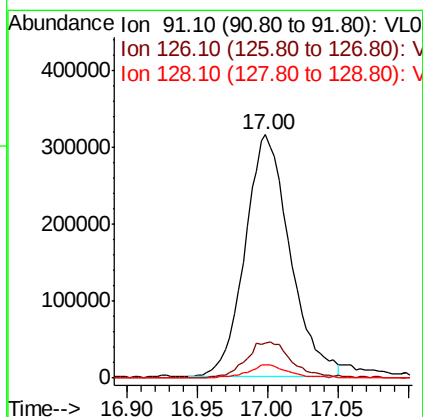
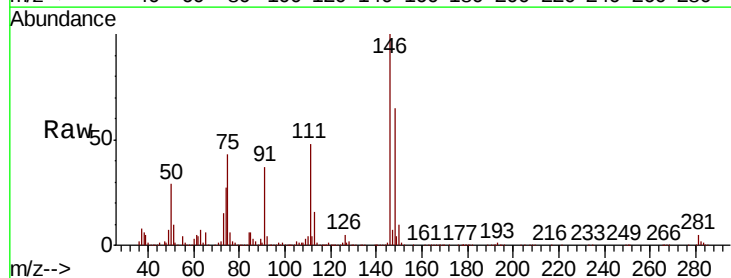
#65  
 tert-Butylbenzene  
 Concen: 7.579 ppbv  
 RT: 16.76 min  
 Delta R.T. MSVOA\_1  
 Lab File: ClientSampleId :  
 VL0603ABS01  
 Acq: 3 Jun 2022 18:45

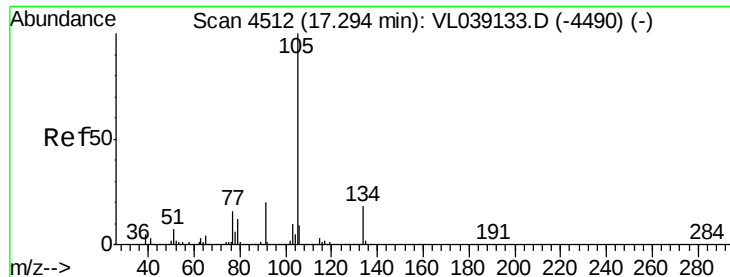
Tot Ion: 119 Resp: 4655208  
 Ion Ratio Lower Upper  
 119 100  
 91 83.2 67.1 100.7  
 134 19.8 15.8 23.8



#66  
 Benzyl Chloride  
 Concen: 8.807 ppbv  
 RT: 17.00 min Scan# 4420  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

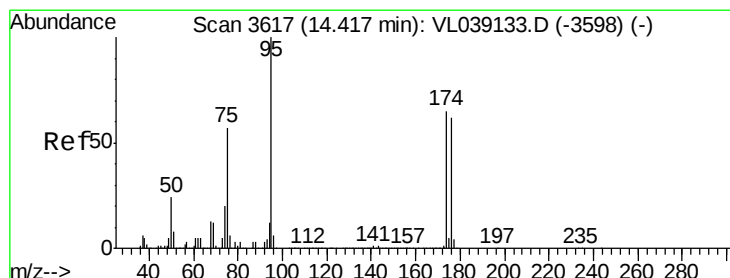
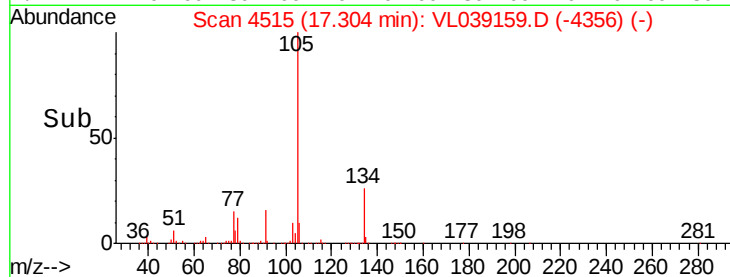
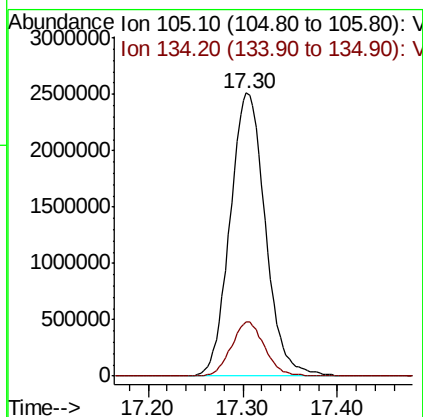
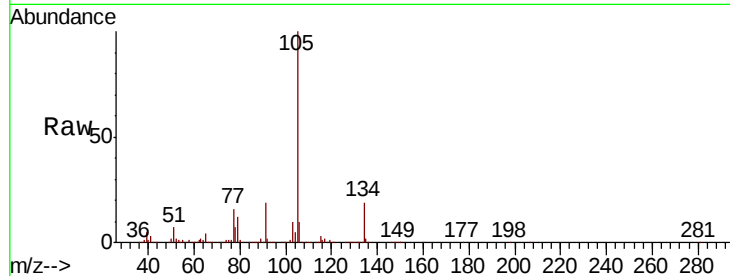
Tgt Ion: 91 Resp: 703392  
 Ion Ratio Lower Upper  
 91 100  
 126 15.6 13.4 20.0  
 128 5.2 4.1 6.1





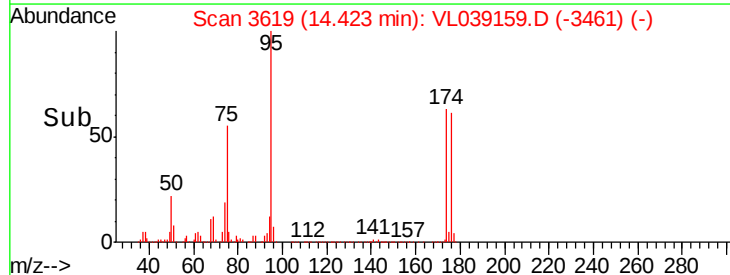
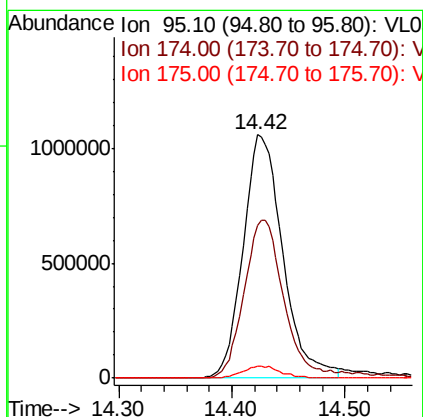
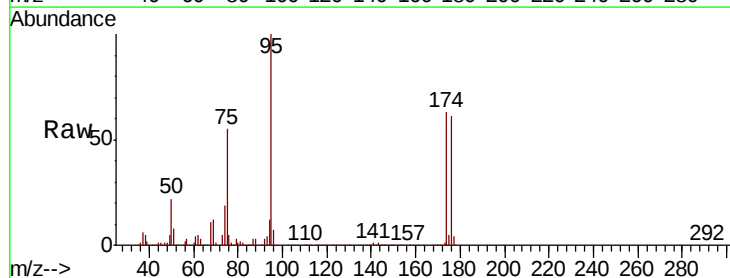
#67  
 sec-Butylbenzene  
 Concen: 7.759 ppbv  
 RT: 17.30 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

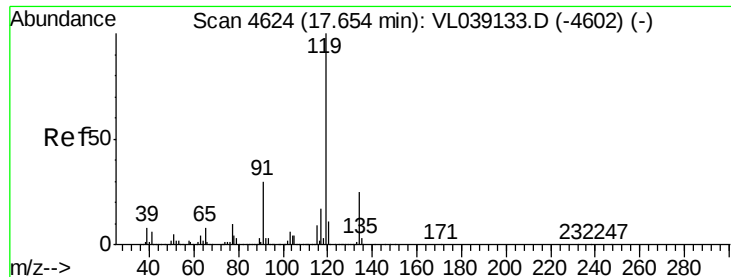
Tot Ion: 105 Resp: 6503122  
 Ion Ratio Lower Upper  
 105 100  
 134 18.3 14.4 21.6



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 7.873 ppbv  
 RT: 14.42 min Scan# 3619  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

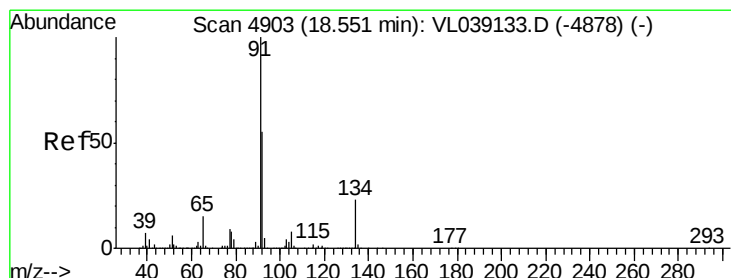
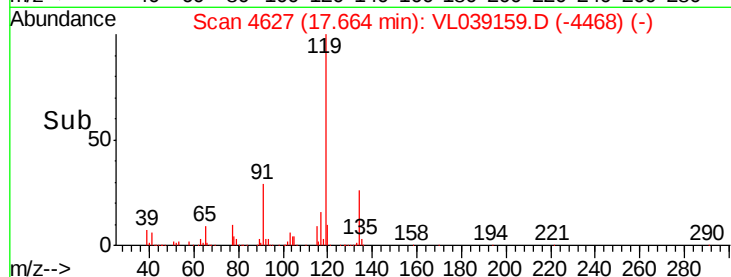
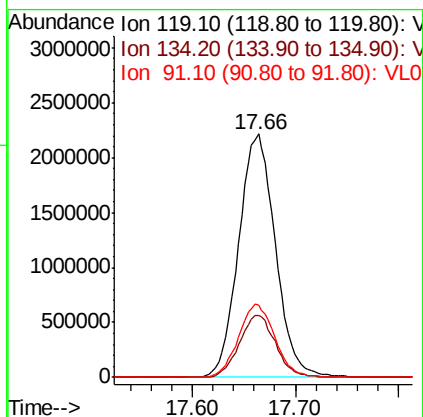
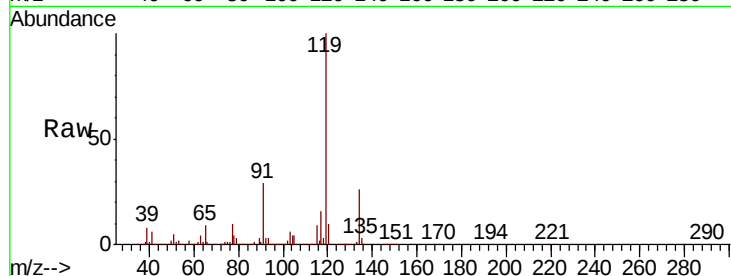
Tgt Ion: 95 Resp: 2581008  
 Ion Ratio Lower Upper  
 95 100  
 174 67.9 53.8 80.8  
 175 5.0 4.1 6.1





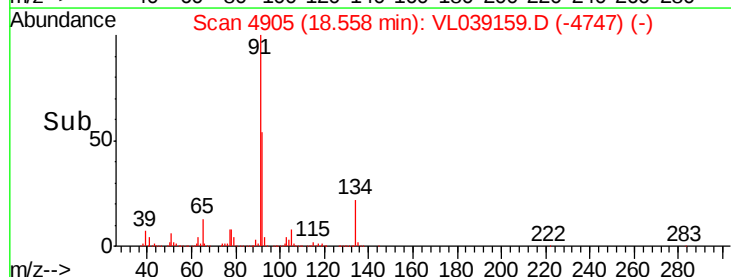
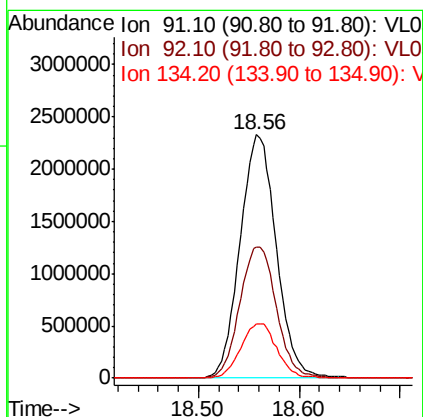
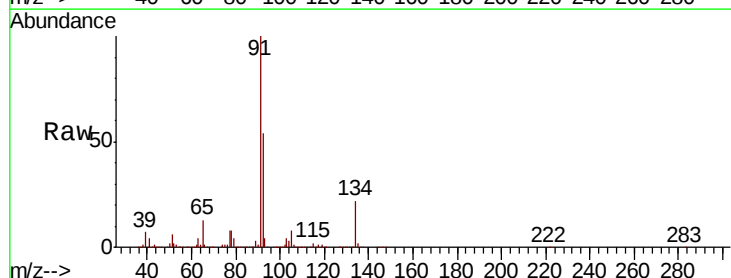
#69  
 p-Isopropyltoluene  
 Concen: 7.739 ppbv  
 RT: 17.66 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

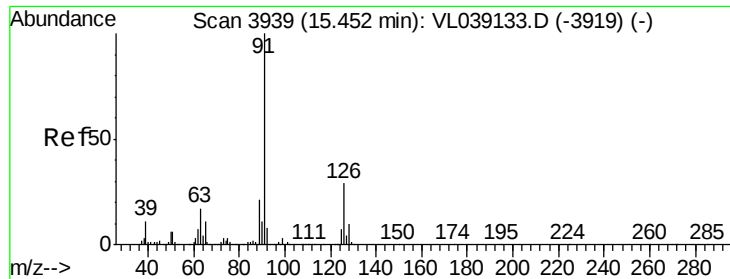
| Tot Ion: | 119   | Resp: | 5472533 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 119      | 100   |       |         |
| 134      | 25.2  | 20.4  | 30.6    |
| 91       | 29.8  | 24.2  | 36.4    |



#70  
 n-Butylbenzene  
 Concen: 7.976 ppbv  
 RT: 18.56 min Scan# 4905  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

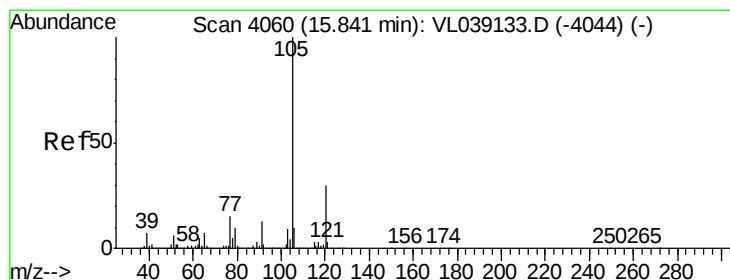
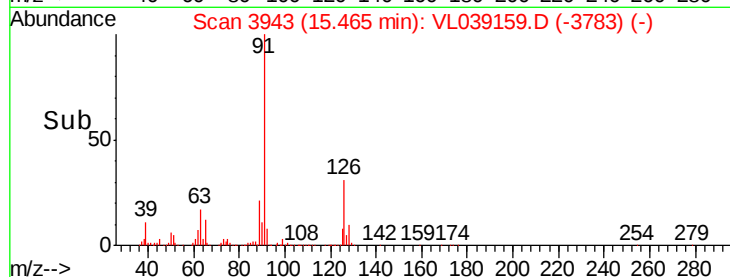
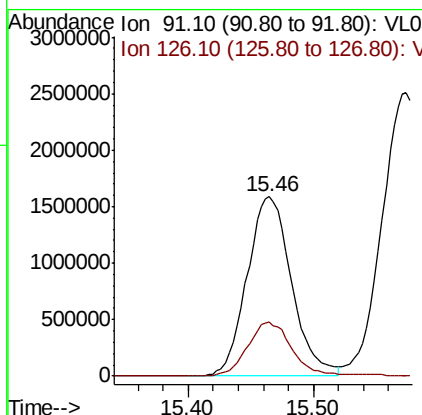
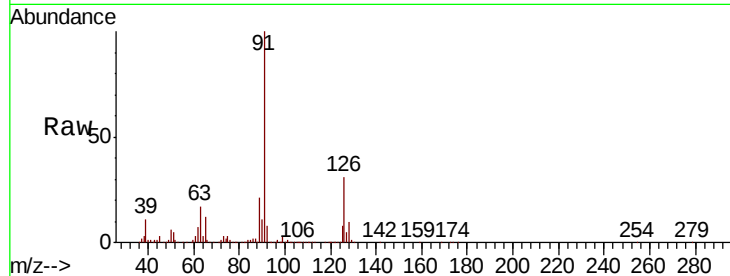
| Tgt Ion: | 91    | Resp: | 5788845 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 92       | 54.8  | 43.6  | 65.4    |
| 134      | 22.5  | 17.7  | 26.5    |





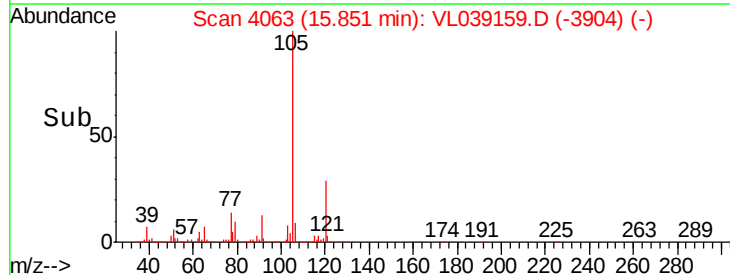
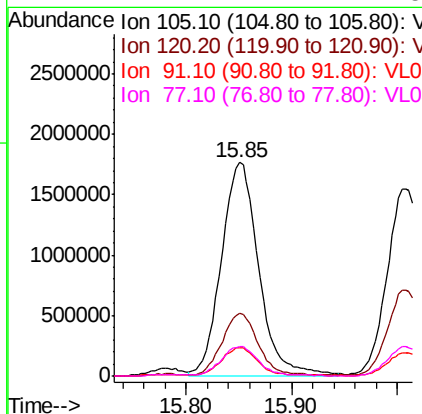
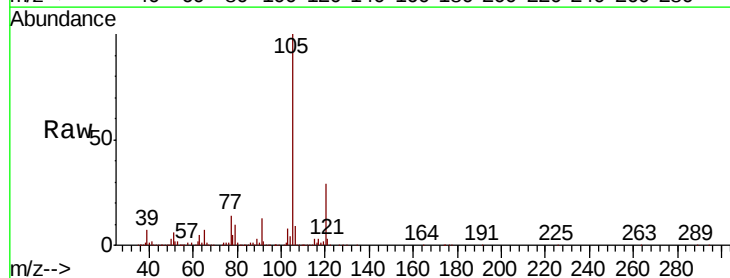
#71  
 2-Chlorotoluene  
 Concen: 7.665 ppbv  
 RT: 15.46  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

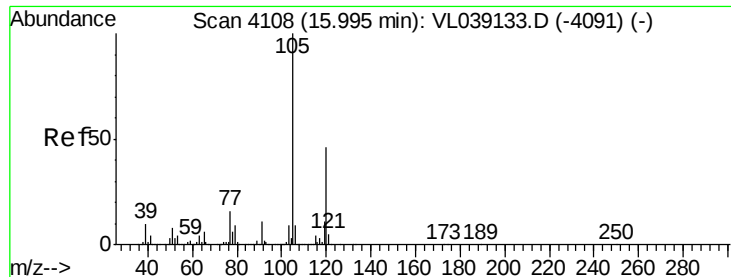
Tot Ion: 91 Resp: 3926491  
 Ion Ratio Lower Upper  
 91 100  
 126 31.1 12.2 48.6



#72  
 4-Ethyltoluene  
 Concen: 8.156 ppbv  
 RT: 15.85 min Scan# 4063  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion:105 Resp: 4319939  
 Ion Ratio Lower Upper  
 105 100  
 120 29.1 23.9 35.9  
 91 12.7 10.6 16.0  
 77 14.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.096 ppbv

RT: 16.01 min

Delta R.T. 0.01 min

Lab File: VL0603ABS01

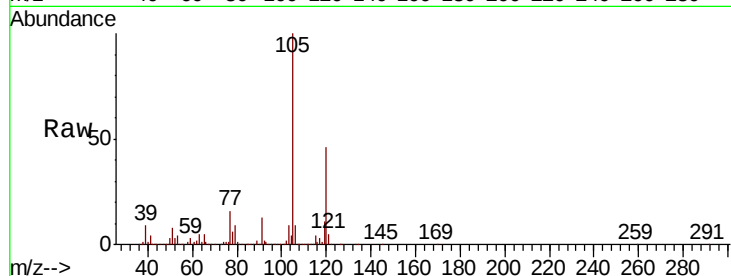
Acq: 3 Jun 2022 18:45

Tot Ion:105 Resp: 3868149

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.01

1500000

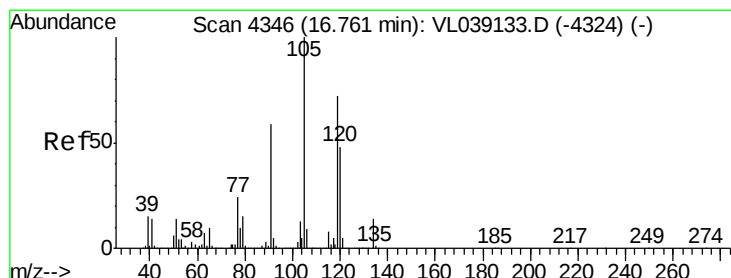
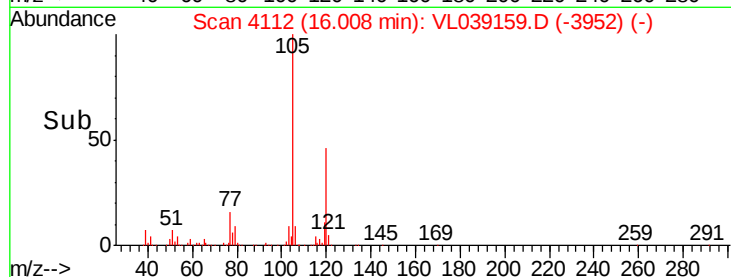
1000000

500000

0

Time-->

15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.667 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

Tgt Ion:105 Resp: 4087829

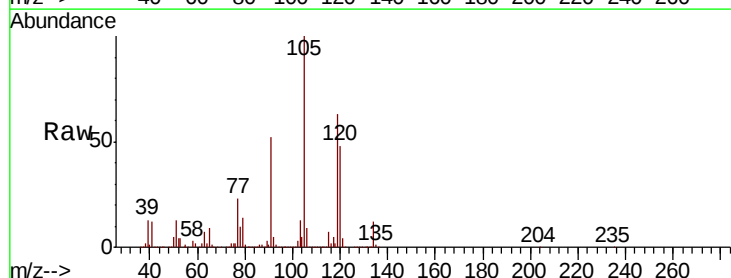
Ion Ratio Lower Upper

105 100

120 48.2 38.1 57.1

91 52.2 47.4 71.0

77 23.2 19.5 29.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

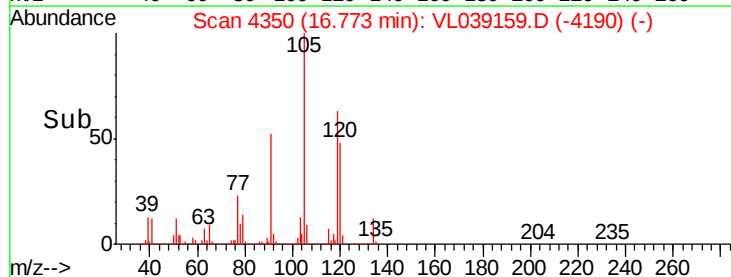
1000000

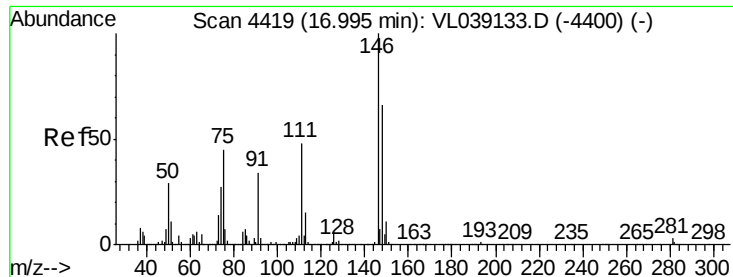
500000

0

Time-->

16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 8.039 ppbv

RT: 17.01

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 18:45

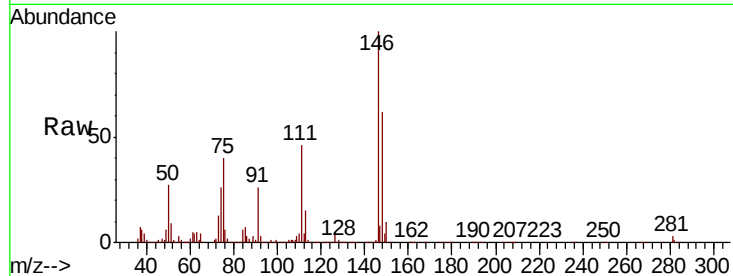
Tot Ion:146 Resp: 2425950

Ion Ratio Lower Upper

146 100

111 46.6 23.8 71.4

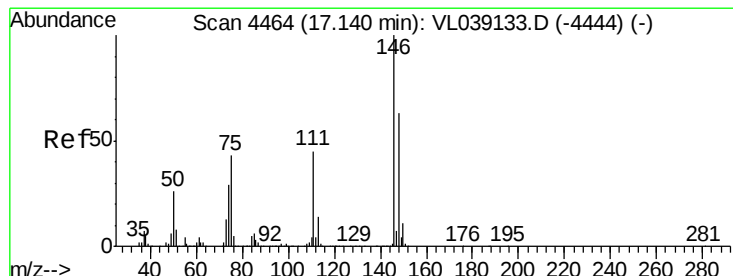
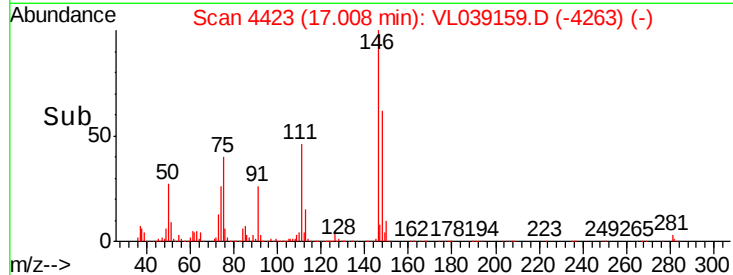
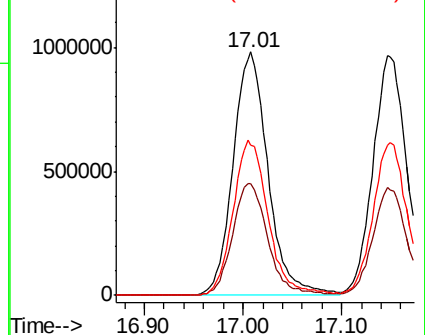
148 64.2 32.4 97.0



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: 7.822 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.01 min

Lab File: VL039159.D

Acq: 3 Jun 2022 18:45

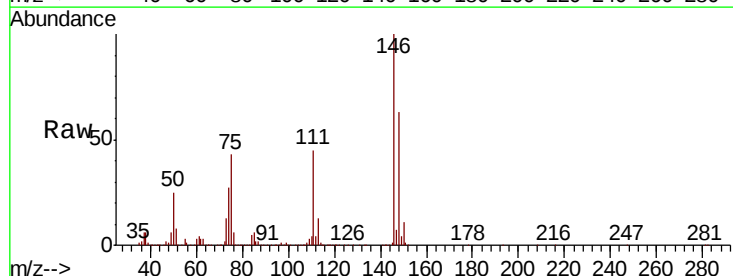
Tgt Ion:146 Resp: 2355178

Ion Ratio Lower Upper

146 100

111 46.0 23.6 71.0

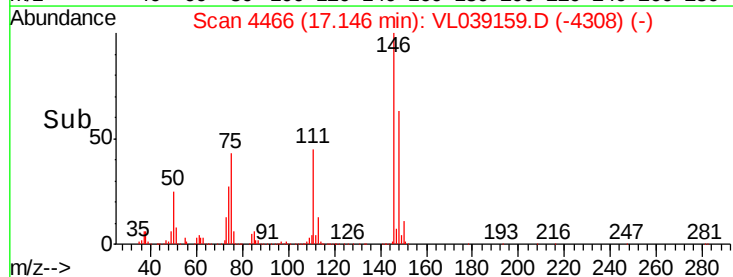
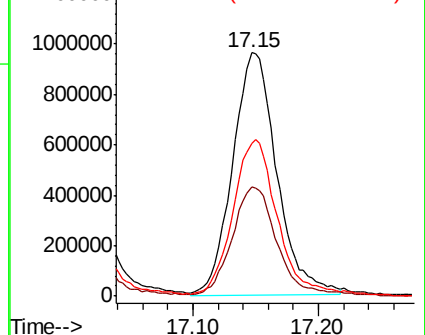
148 65.7 33.7 101.0

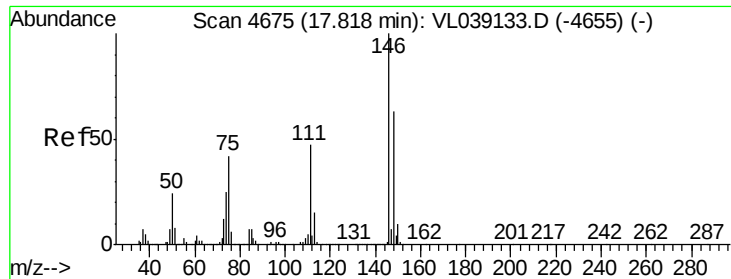


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

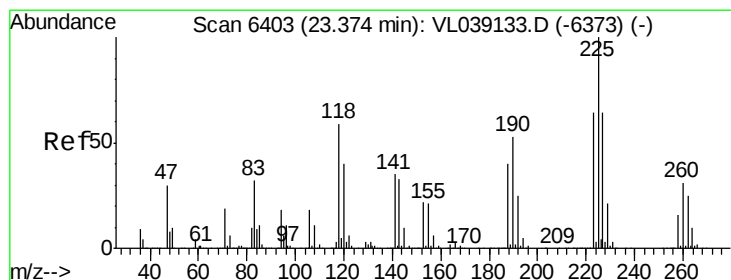
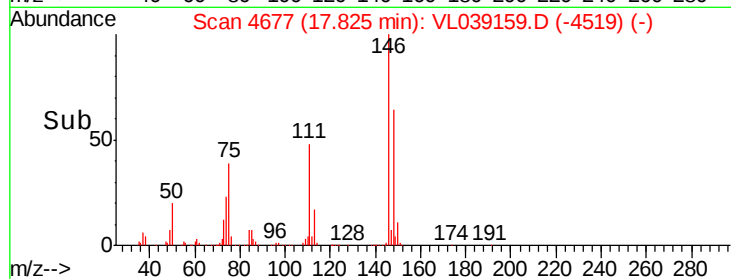
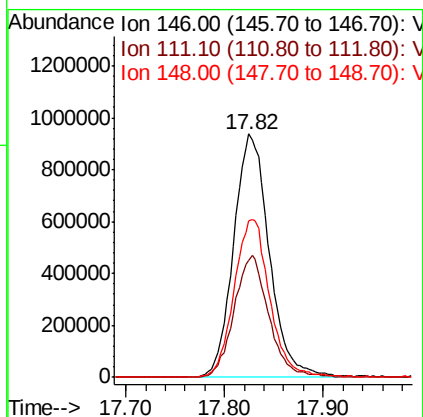
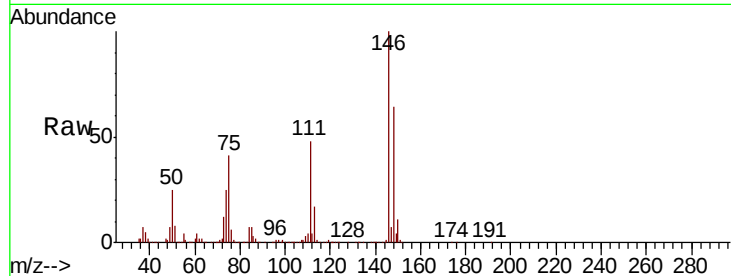




#77  
 1,2-Dichlorobenzene  
 Concen: 7.698 ppbv  
 RT: 17.82 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

Tot Ion:146 Resp: 2341442

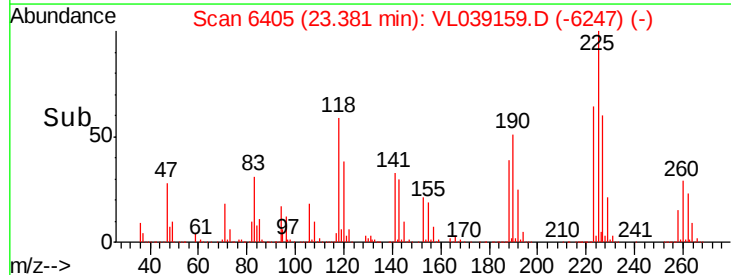
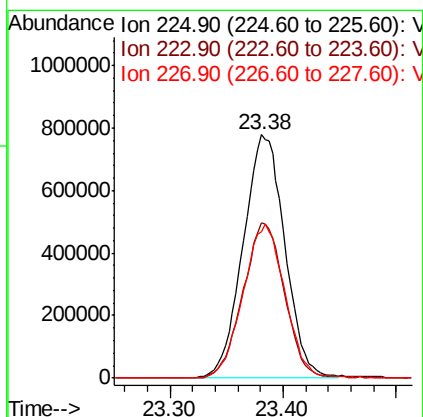
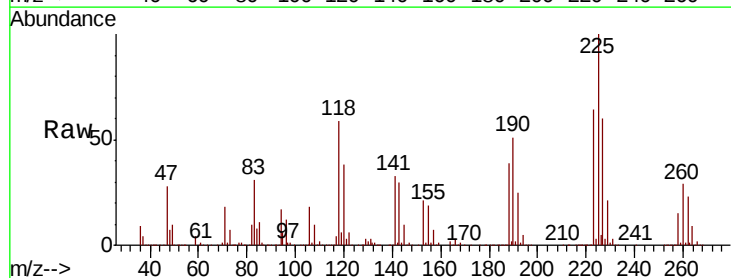
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 49.2  | 24.4  | 73.4  |
| 148 | 65.1  | 32.1  | 96.5  |

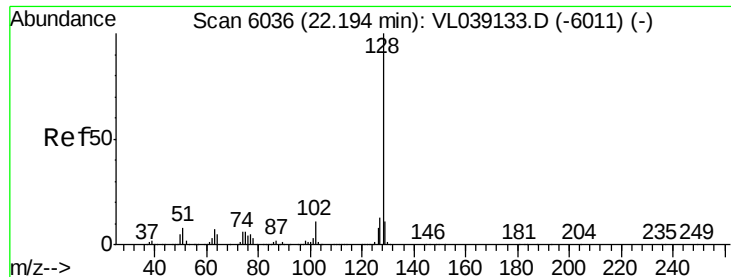


#78  
 Hexachloro-1,3-Butadiene  
 Concen: 7.169 ppbv  
 RT: 23.38 min Scan# 6405  
 Delta R.T. 0.01 min  
 Lab File: VL039159.D  
 Acq: 3 Jun 2022 18:45

Tgt Ion:225 Resp: 1993868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 64.2  | 51.4  | 77.0  |
| 227 | 63.6  | 50.6  | 75.8  |

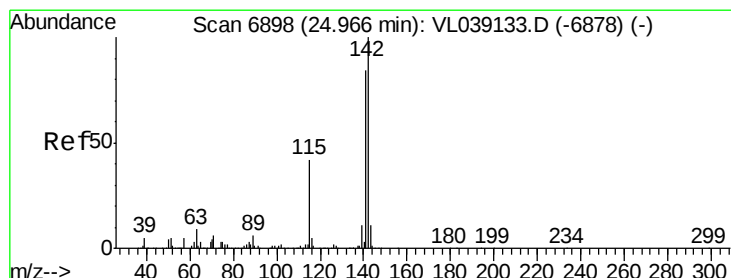
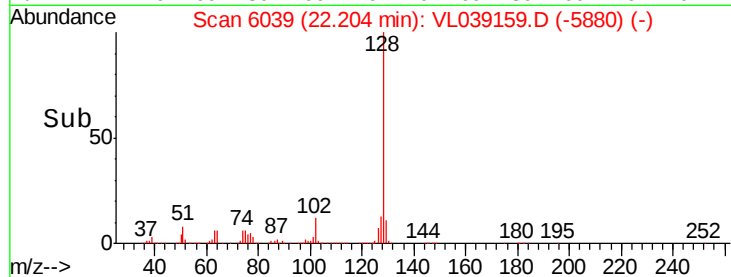
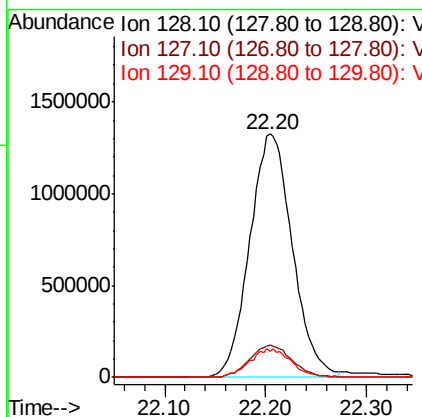
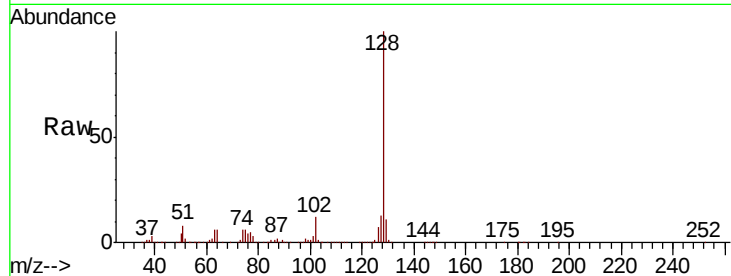




#79  
Naphthalene  
Concen: 9.482 ppbv  
RT: 22.20 min  
Delta R.T. 0.01 min  
Lab File: VL0603ABS01  
Acq: 3 Jun 2022 18:45

Tot Ion:128 Resp: 3891594

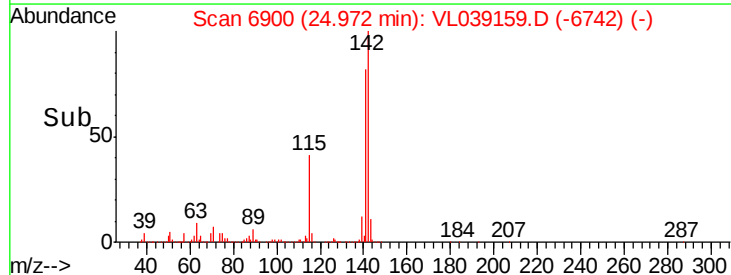
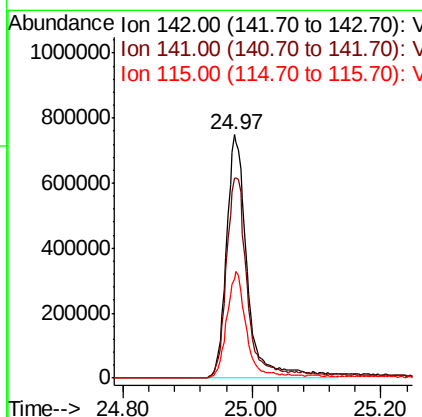
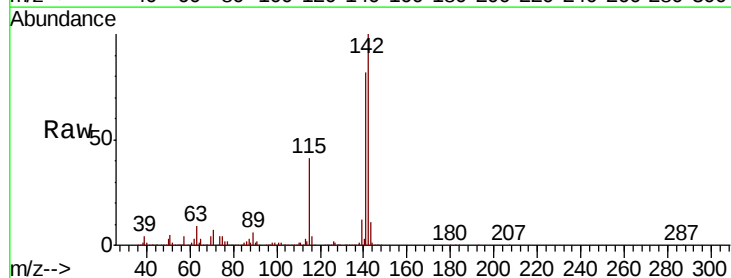
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.4  | 10.4  | 15.6  |
| 129 | 10.9  | 9.0   | 13.6  |

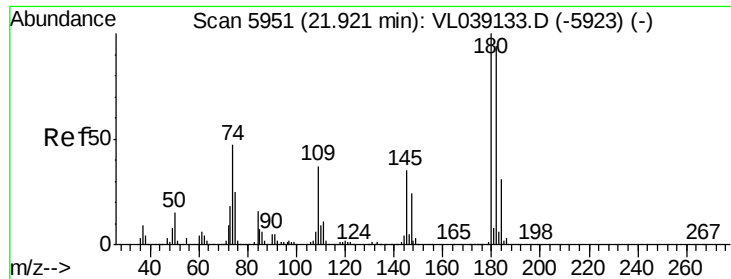


#80  
Naphthalene, 2-methyl-  
Concen: 11.124 ppbv  
RT: 24.97 min Scan# 6900  
Delta R.T. 0.01 min  
Lab File: VL039159.D  
Acq: 3 Jun 2022 18:45

Tgt Ion:142 Resp: 1696245

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 84.4  | 64.6  | 96.8  |
| 115 | 42.5  | 32.7  | 49.1  |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 8.340 ppbv  
 RT: 21.93  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId : VL0603ABS01  
 Acq: 3 Jun 2022 18:45

Tot Ion:180 Resp: 2168367  
 Ion Ratio Lower Upper  
 180 100  
 182 97.7 0.0 0.0#  
 184 31.1 0.0 0.0#

