

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL062922\  
 Data File : VL039401.D  
 Acq On : 29 Jun 2022 17:30  
 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL062922

Quant Time: Jul 20 03:32:53 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 06 02:15:38 2022  
 QLast Update : Wed Jul 06 02:15:38 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1386551  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3807478  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 4388143  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2668214  | 8.20     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 82.00% |

## Target Compounds

|                                |      |     |         |       |        | Qvalue |
|--------------------------------|------|-----|---------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.04 | 85  | 1694002 | 8.47  | ppbv   | 99     |
| 3) Chlorodifluoromethane       | 2.99 | 51  | 1540294 | 8.76  | ppbv   | 98     |
| 4) Chloromethane               | 3.13 | 50  | 867700  | 9.02  | ppbv   | 98     |
| 5) Vinyl Chloride              | 3.25 | 62  | 788116  | 8.31  | ppbv   | 99     |
| 6) Bromomethane                | 3.47 | 94  | 367588  | 9.21  | ppbv   | 94     |
| 7) Chloroethane                | 3.55 | 64  | 297910  | 8.83  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane   | 3.18 | 85  | 1939582 | 8.88  | ppbv   | 99     |
| 9) Propene                     | 3.01 | 41  | 718215  | 9.04  | ppbv   | 99     |
| 10) Heptane                    | 8.11 | 43  | 1773314 | 9.53  | ppbv   | 100    |
| 11) Trichlorofluoromethane     | 3.94 | 101 | 1931204 | 8.67  | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 1397962 | 8.41  | ppbv   | 99     |
| 13) Ethanol                    | 3.59 | 45  | 24744   | 5.37  | ppbv   | 81     |
| 14) Bromoethene                | 3.73 | 108 | 630288  | 9.02  | ppbv   | 99     |
| 15) Acetone                    | 3.84 | 43  | 1451219 | 8.85  | ppbv   | 99     |
| 16) 1,3-Butadiene              | 3.32 | 39  | 790422  | 9.29  | ppbv   | 100    |
| 17) tert-Butyl alcohol         | 4.27 | 59  | 1384773 | 9.95  | ppbv   | 98     |
| 18) 1,1-Dichloroethene         | 4.28 | 96  | 673485  | 8.95  | ppbv   | 99     |
| 19) Isopropyl Alcohol          | 3.95 | 45  | 751170  | 8.58  | ppbv # | 93     |
| 20) Methylene Chloride         | 4.34 | 84  | 543140  | 8.31  | ppbv   | 97     |
| 21) Allyl Chloride             | 4.40 | 41  | 1053112 | 9.27  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene   | 4.88 | 96  | 649338  | 8.91  | ppbv   | 98     |
| 23) Vinyl Acetate              | 5.06 | 43  | 1123375 | 10.25 | ppbv # | 98     |
| 24) 1,1-Dichloroethane         | 5.00 | 63  | 1489437 | 9.62  | ppbv   | 98     |
| 25) Ethyl Acetate              | 5.66 | 43  | 3184958 | 9.47  | ppbv   | 100    |
| 26) Hexane                     | 5.68 | 57  | 1364683 | 10.07 | ppbv   | 98     |
| 27) Carbon Disulfide           | 4.54 | 76  | 1606180 | 9.81  | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether    | 5.02 | 73  | 1459799 | 10.07 | ppbv   | 98     |
| 29) Chloroform                 | 5.74 | 83  | 2094620 | 8.88  | ppbv   | 98     |
| 30) Cyclohexane                | 7.12 | 84  | 1160109 | 9.40  | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene     | 5.54 | 61  | 1351230 | 9.39  | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane      | 6.50 | 97  | 2082937 | 8.95  | ppbv   | 100    |
| 34) 2-Butanone                 | 5.23 | 43  | 1904061 | 9.93  | ppbv   | 99     |
| 35) Carbon Tetrachloride       | 7.01 | 117 | 2205224 | 9.37  | ppbv   | 98     |
| 36) Benzene                    | 6.88 | 78  | 2804296 | 9.52  | ppbv   | 97     |
| 37) 1,2-Dichloroethane         | 6.29 | 62  | 1555997 | 8.95  | ppbv   | 99     |
| 38) Trichloroethene            | 7.83 | 130 | 1482096 | 9.30  | ppbv   | 99     |
| 39) 1,2-Dichloropropane        | 7.60 | 63  | 1048678 | 9.53  | ppbv   | 97     |
| 40) 1,4-Dioxane                | 7.82 | 88  | 418037  | 9.53  | ppbv # | 1      |
| 41) Tetrahydrofuran            | 6.03 | 42  | 1150576 | 10.36 | ppbv   | 99     |
| 42) Bromodichloromethane       | 7.78 | 83  | 2279399 | 9.72  | ppbv   | 99     |
| 43) Methyl Methacrylate        | 8.00 | 69  | 1157840 | 10.33 | ppbv   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL062922\  
 Data File : VL039401.D  
 Acq On : 29 Jun 2022 17:30  
 Operator : SY/AP  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL062922

Quant Time: Jul 20 03:32:53 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 06 02:15:38 2022  
 QLast Update : Wed Jul 06 02:15:38 2022  
 Response via : Initial Calibration

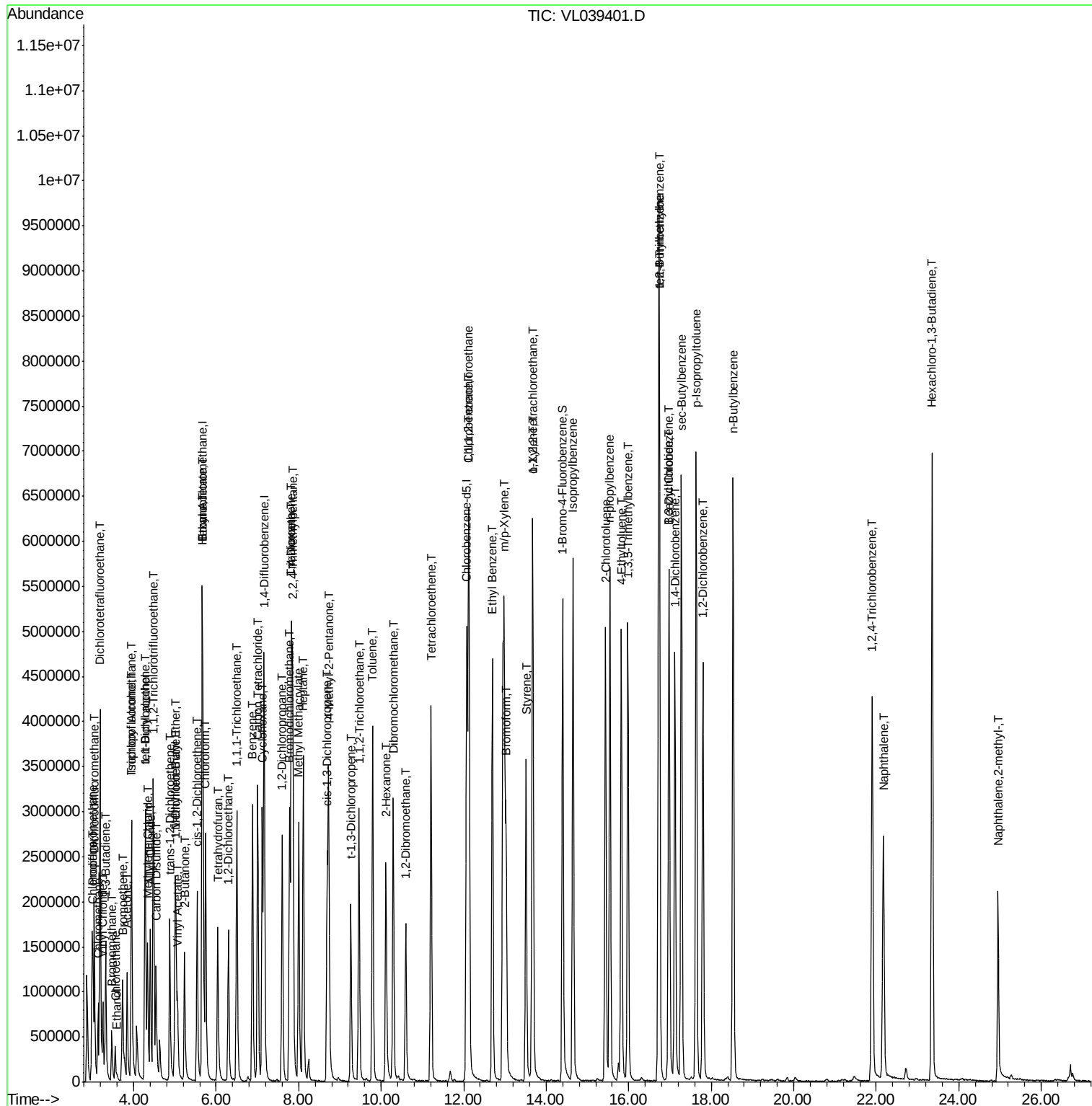
| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.86  | 57   | 4699064  | 9.41  | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 9.26  | 75   | 1204883  | 12.08 | ppbv   | 98       |
| 46) cis-1,3-Dichloropropene   | 8.69  | 75   | 1541058  | 11.22 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.46  | 97   | 1170094  | 9.47  | ppbv   | 99       |
| 48) Dibromochloromethane      | 10.29 | 129  | 2035516  | 10.37 | ppbv   | 100      |
| 49) Bromoform                 | 13.03 | 173  | 1713947  | 10.82 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.73  | 43   | 2944410  | 10.16 | ppbv   | 100      |
| 51) 2-Hexanone                | 10.11 | 43   | 2336542  | 10.66 | ppbv # | 100      |
| 52) Tetrachloroethene         | 11.21 | 164  | 1091717  | 9.20  | ppbv   | 99       |
| 53) Toluene                   | 9.79  | 91   | 3368075  | 9.91  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.60 | 107  | 1547831  | 10.07 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 12.11 | 131  | 1467714  | 7.57  | ppbv # | 57       |
| 57) Chlorobenzene             | 12.13 | 112  | 2562251  | 7.53  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.70 | 91   | 4536119  | 8.01  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.98 | 91   | 4406857  | 8.82  | ppbv # | 48       |
| 60) o-Xylene                  | 13.67 | 91   | 3665115  | 7.75  | ppbv   | 99       |
| 61) Styrene                   | 13.51 | 104  | 2259434  | 8.82  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.65 | 105  | 5440021  | 7.55  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.66 | 83   | 1745931  | 7.04  | ppbv   | 100      |
| 64) n-propylbenzene           | 15.55 | 120  | 1430555  | 7.84  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 16.73 | 119  | 4929781  | 7.41  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.97 | 91   | 663583   | 10.49 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 17.28 | 105  | 6770589  | 7.55  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.64 | 119  | 5829748  | 7.66  | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.53 | 91   | 5764023  | 7.81  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.44 | 91   | 4011363  | 7.78  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.82 | 105  | 4455746  | 8.01  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.98 | 105  | 4069310  | 7.97  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.75 | 105  | 4345956  | 7.69  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.98 | 146  | 2631605  | 7.81  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 17.12 | 146  | 2528811  | 7.57  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.80 | 146  | 2522357  | 7.55  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.36 | 225  | 1843699  | 6.86  | ppbv   | 99       |
| 79) Naphthalene               | 22.17 | 128  | 3702459  | 9.52  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 24.95 | 142  | 1380636  | 10.43 | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.90 | 180  | 2053729  | 8.11  | ppbv   | 98       |

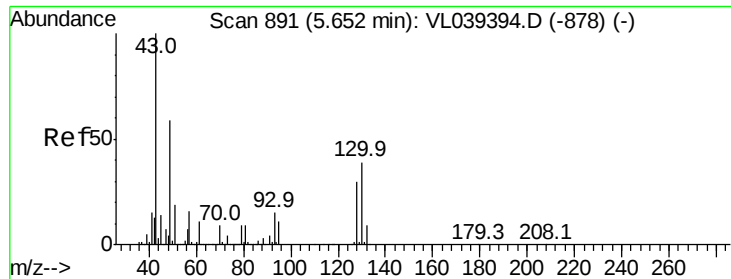
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL062922\  
Data File : VL039401.D  
Acq On : 29 Jun 2022 17:30  
Operator : SY/AP  
Sample : VSTDICV010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL062922

Quant Time: Jul 20 03:32:53 2022  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL062922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 06 02:15:38 2022  
QLast Update : Wed Jul 06 02:15:38 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30

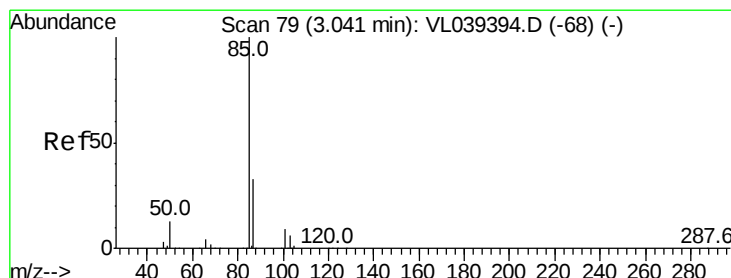
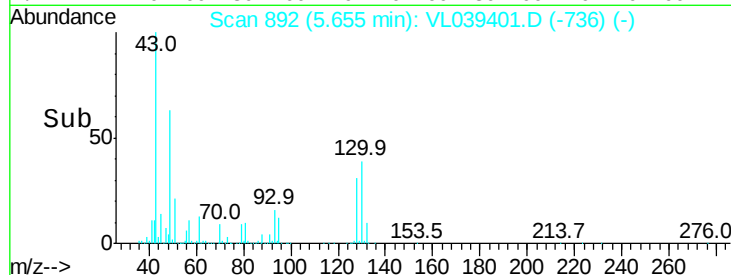
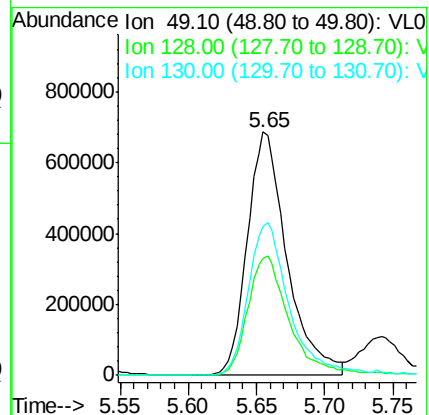
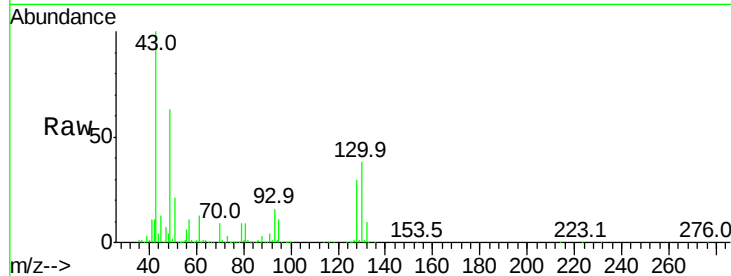
Tgt Ion: 49 Resp: 1386551

Ion Ratio Lower Upper

49 100

128 52.6 26.7 80.0

130 66.2 34.3 102.8



#2

Dichlorodifluoromethane

Concen: 8.47 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL039401.D

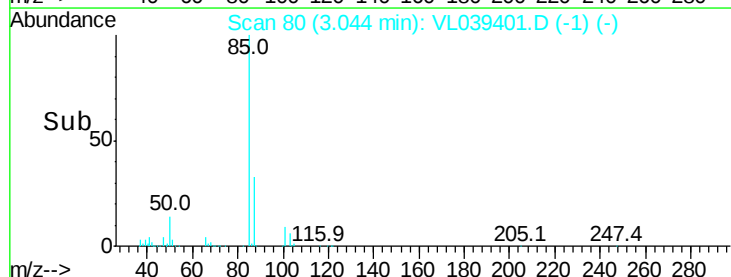
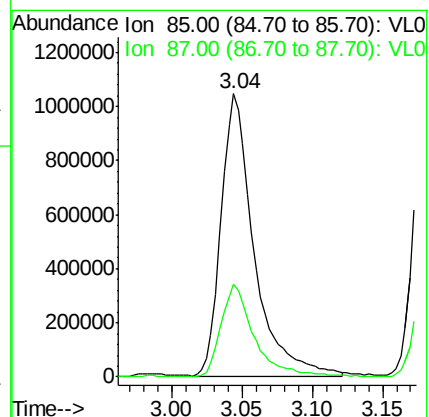
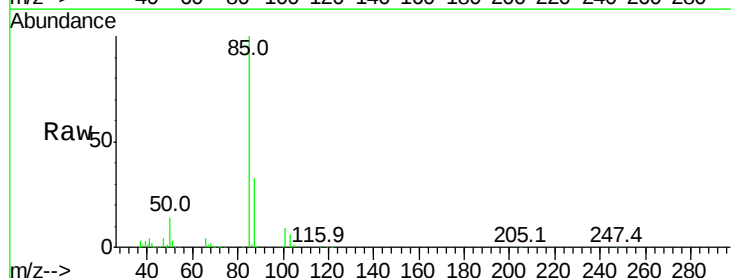
Acq: 29 Jun 2022 17:30

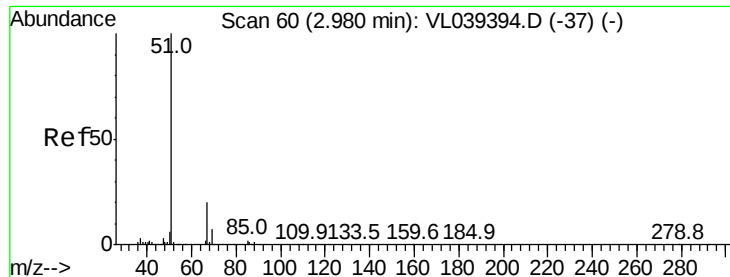
Tgt Ion: 85 Resp: 1694002

Ion Ratio Lower Upper

85 100

87 32.7 26.7 40.1





#3

Chlorodifluoromethane

Concen: 8.76 ppbv

RT: 2.99 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: ICVVL062922

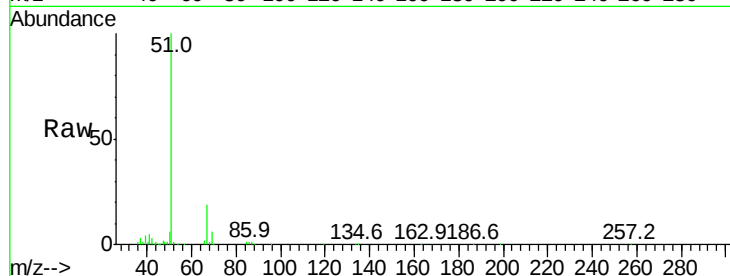
Acq: 29 Jun 2022 17:30

Tgt Ion: 51 Resp: 1540294

Ion Ratio Lower Upper

51 100

67 18.9 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

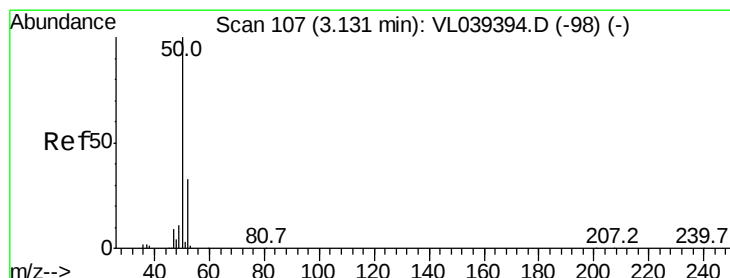
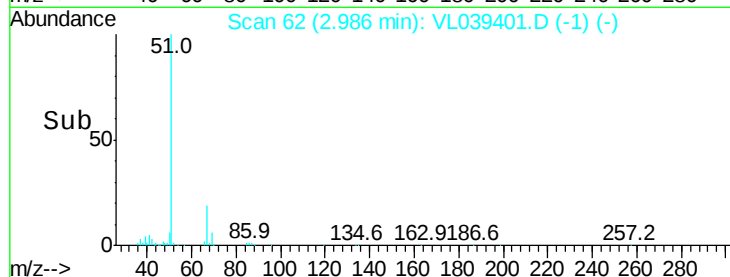
600000

400000

200000

0

Time--> 2.90 3.00 3.10



#4

Chloromethane

Concen: 9.02 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL039401.D

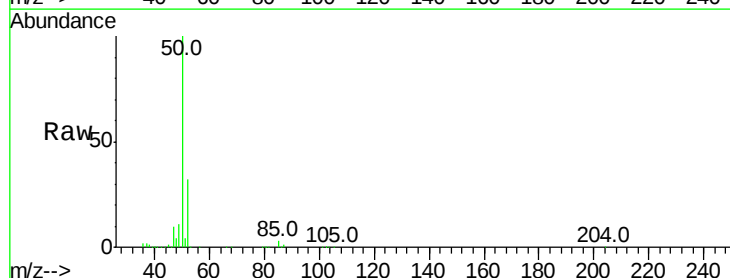
Acq: 29 Jun 2022 17:30

Tgt Ion: 50 Resp: 867700

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

600000

500000

400000

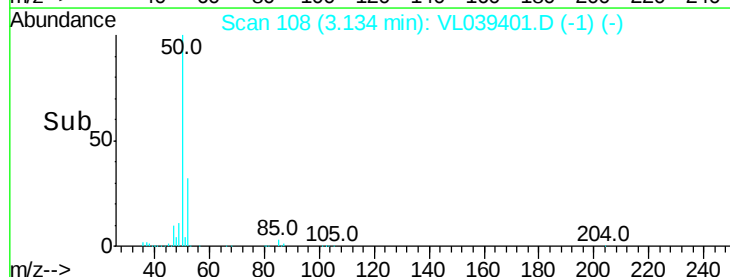
300000

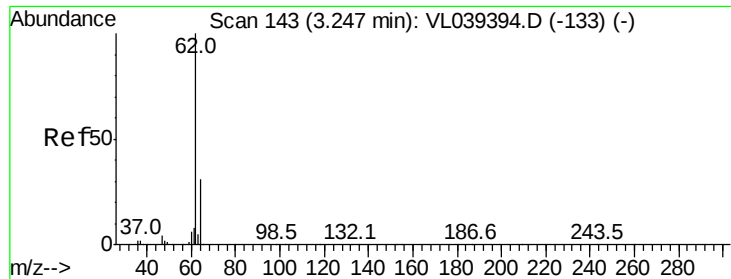
200000

100000

0

Time--> 3.10 3.15





#5

Vinyl Chloride

Concen: 8.31 ppbv

RT: 3.25 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: ICVVL062922

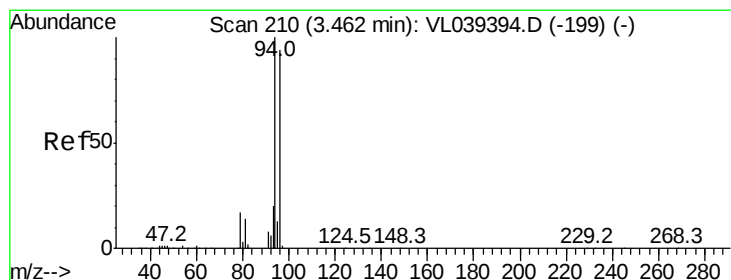
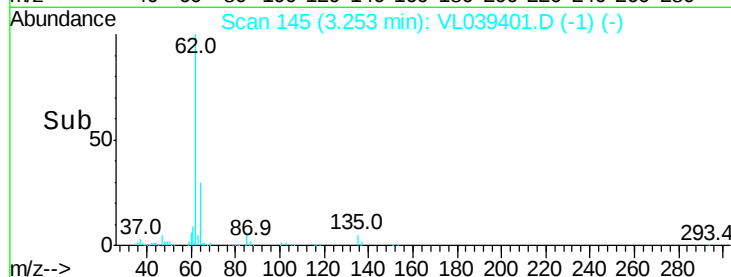
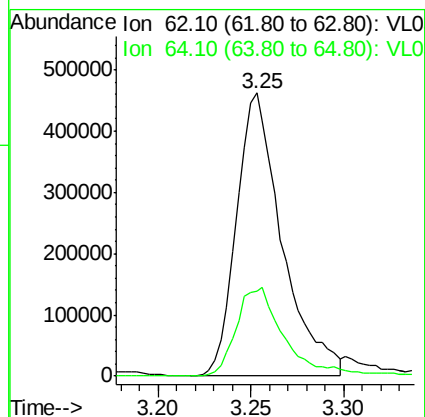
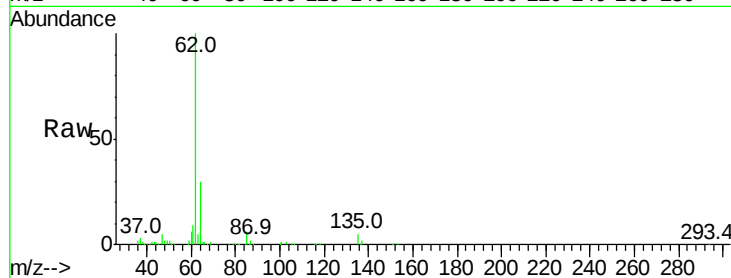
Acq: 29 Jun 2022 17:30

Tgt Ion: 62 Resp: 788116

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8



#6

Bromomethane

Concen: 9.21 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL039401.D

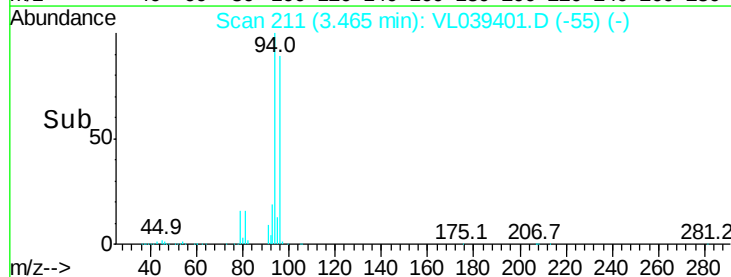
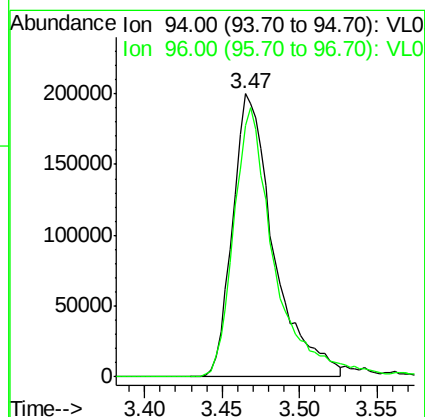
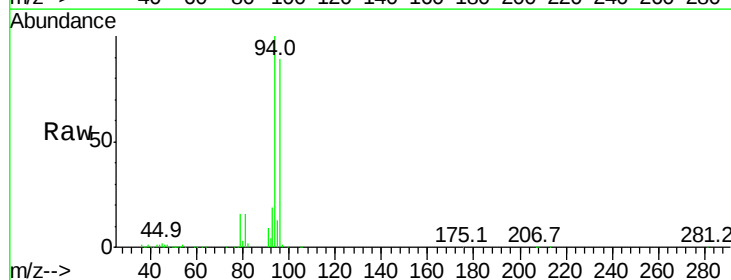
Acq: 29 Jun 2022 17:30

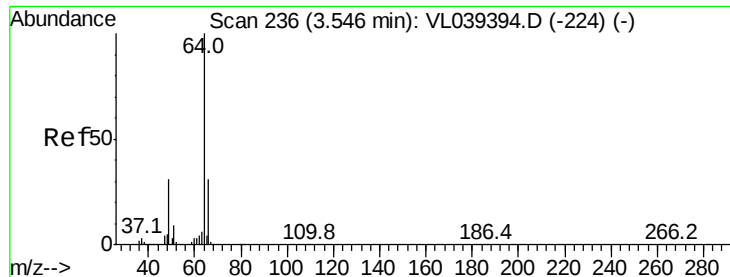
Tgt Ion: 94 Resp: 367588

Ion Ratio Lower Upper

94 100

96 88.7 75.6 113.4





#7

Chloroethane

Concen: 8.83 ppbv

RT: 3.55 Instrument: MSVOA\_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: ICVVL062922

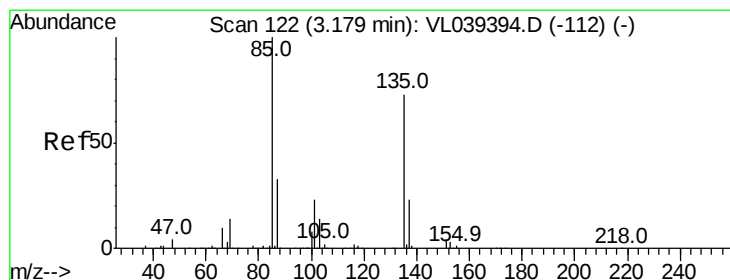
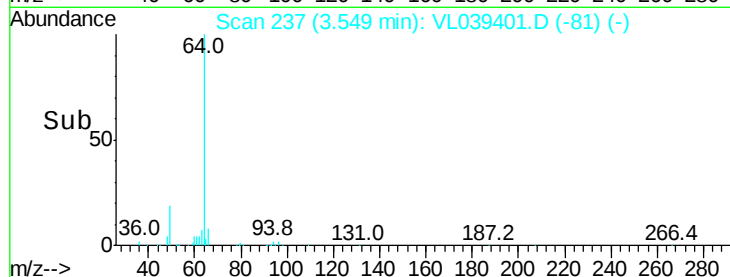
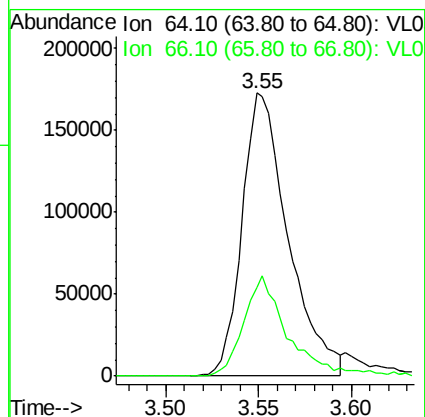
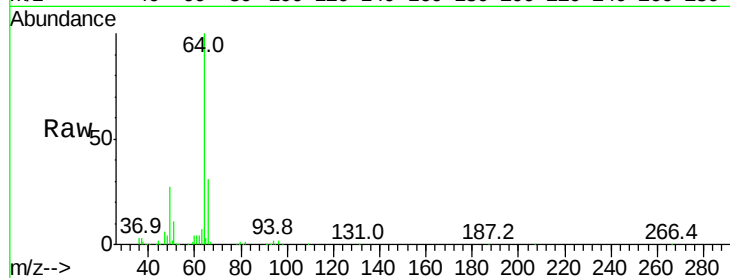
Acq: 29 Jun 2022 17:30

Tgt Ion: 64 Resp: 297910

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 8.88 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL039401.D

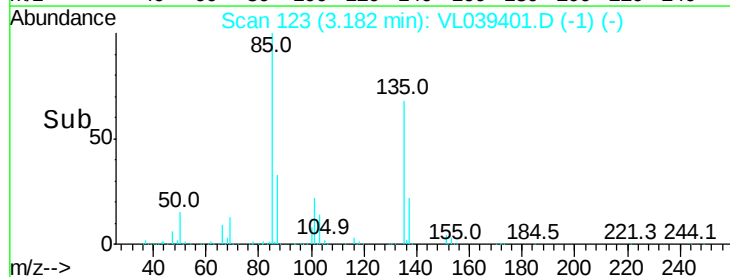
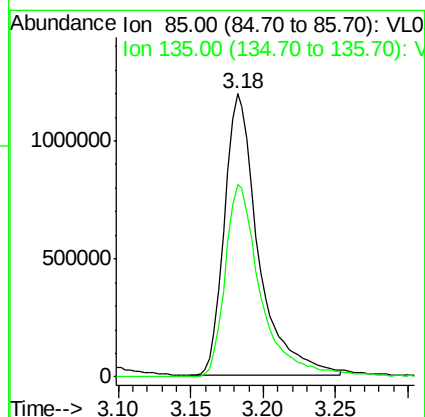
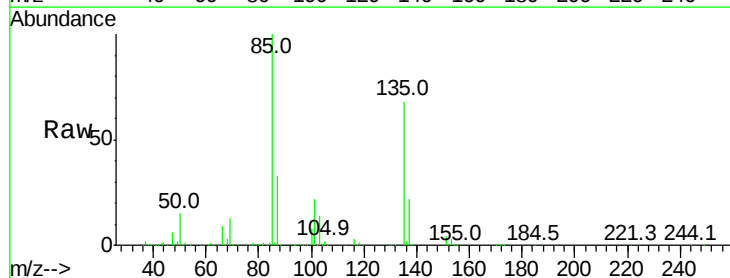
Acq: 29 Jun 2022 17:30

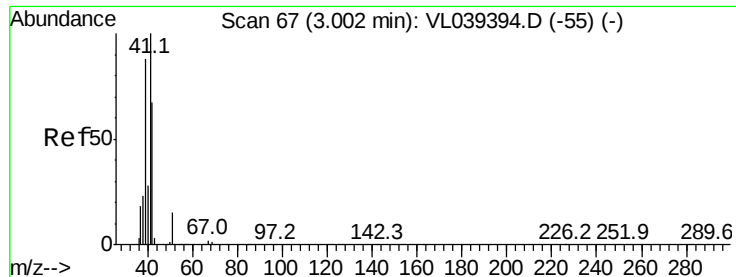
Tgt Ion: 85 Resp: 1939582

Ion Ratio Lower Upper

85 100

135 72.6 59.0 88.4





#9

Propene

Concen: 9.04 ppbv

RT: 3.01 Instrument: MSVOA\_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: ICVVL062922

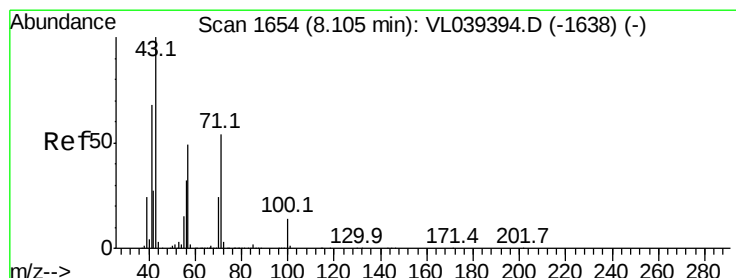
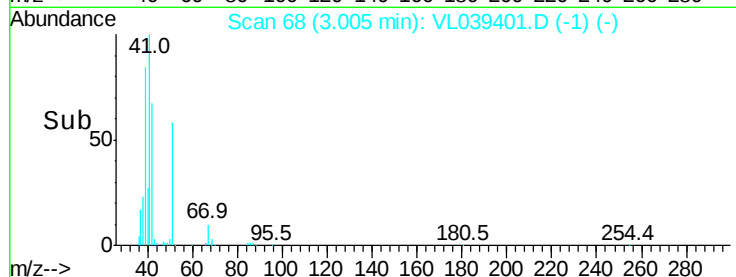
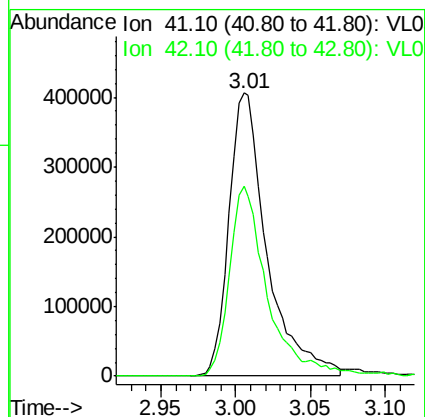
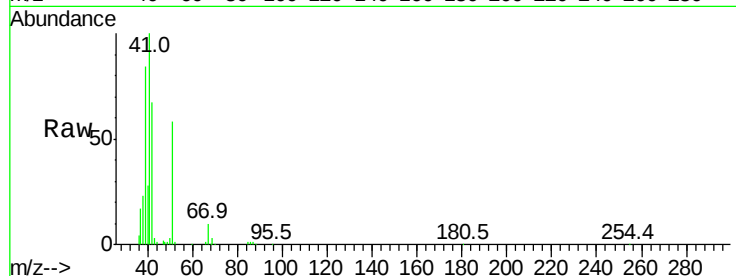
Acq: 29 Jun 2022 17:30

Tgt Ion: 41 Resp: 718215

Ion Ratio Lower Upper

41 100

42 68.1 55.2 82.8



#10

Heptane

Concen: 9.53 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL039401.D

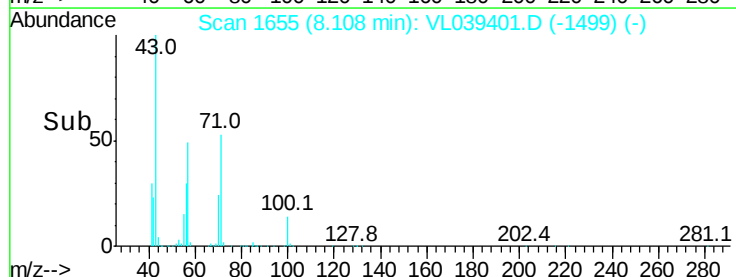
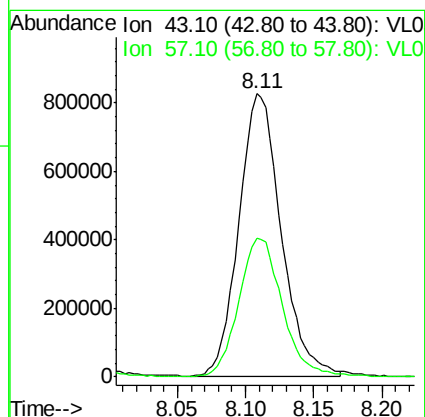
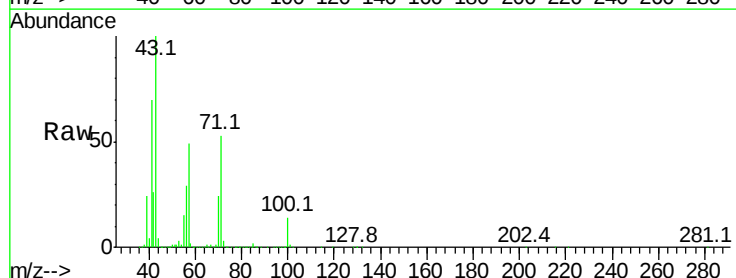
Acq: 29 Jun 2022 17:30

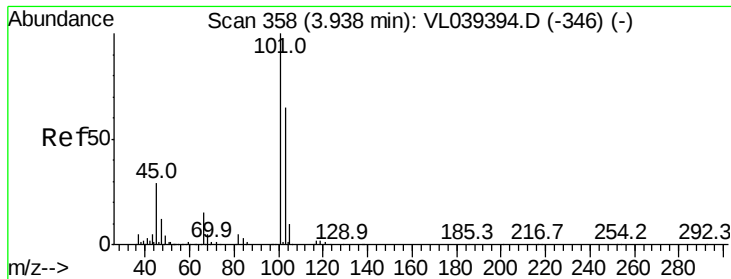
Tgt Ion: 43 Resp: 1773314

Ion Ratio Lower Upper

43 100

57 50.7 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.67 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

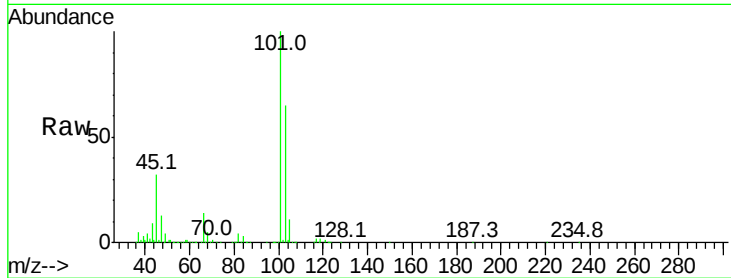
Acq: 29 Jun 2022 17:30

Tgt Ion:101 Resp: 1931204

Ion Ratio Lower Upper

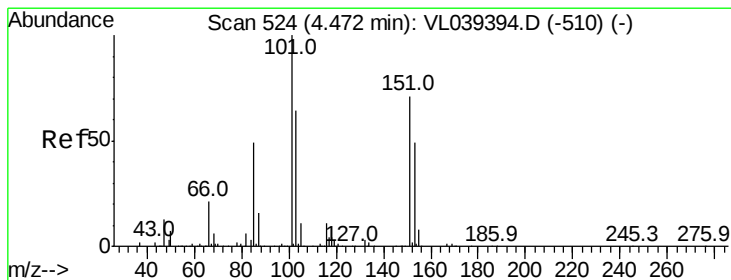
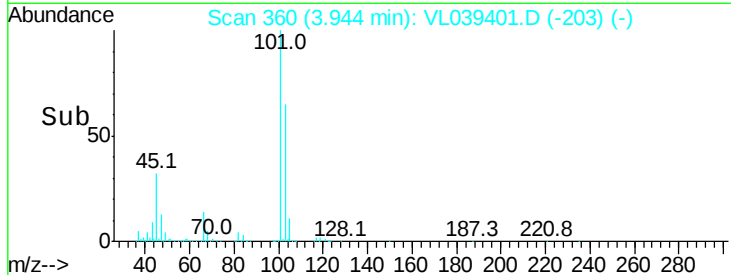
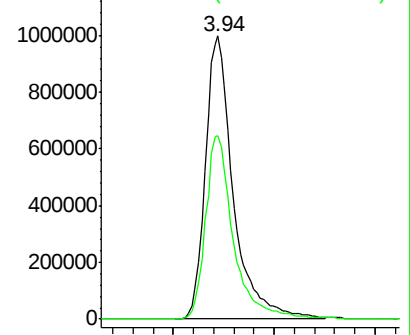
101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.41 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL039401.D

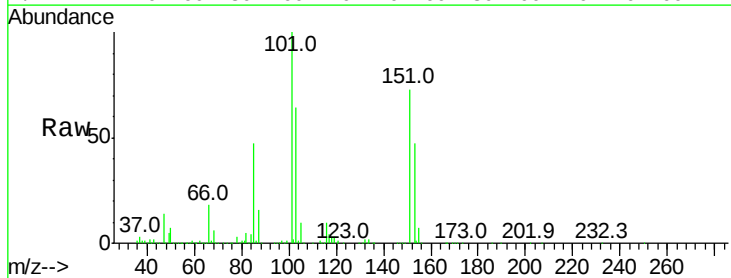
Acq: 29 Jun 2022 17:30

Tgt Ion:101 Resp: 1397962

Ion Ratio Lower Upper

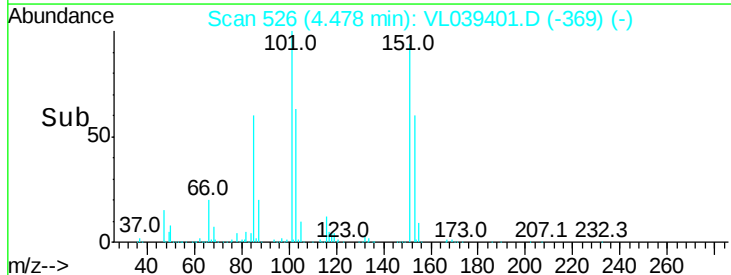
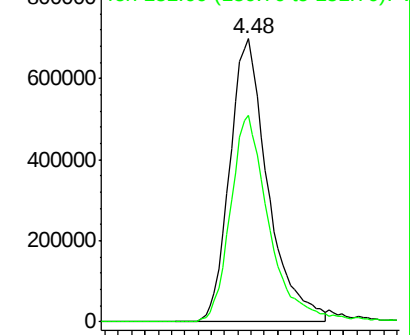
101 100

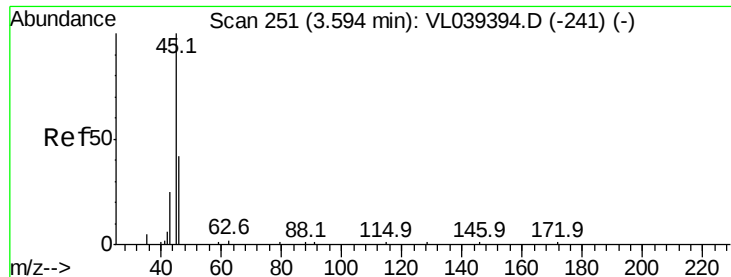
151 74.8 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

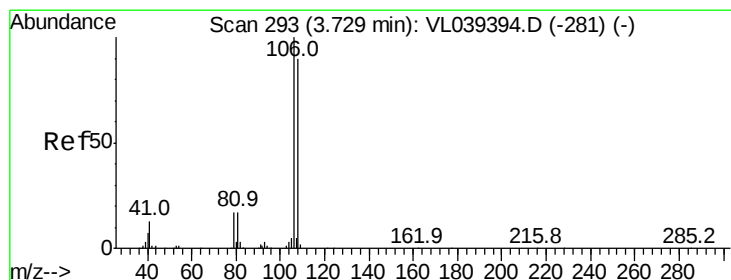
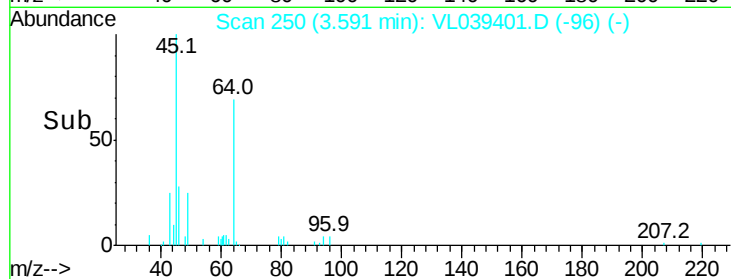
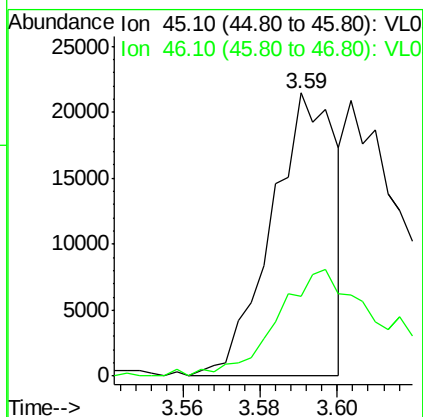
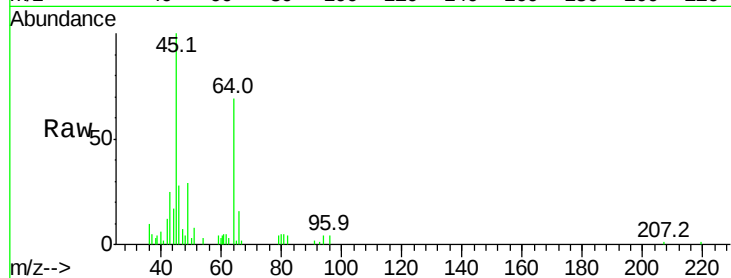
Ion 151.00 (150.70 to 151.70): V





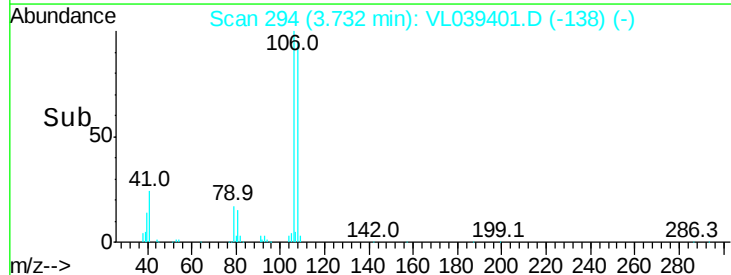
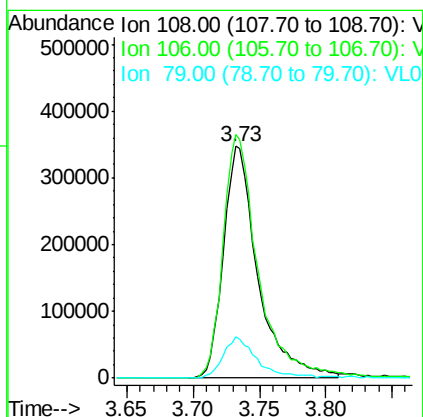
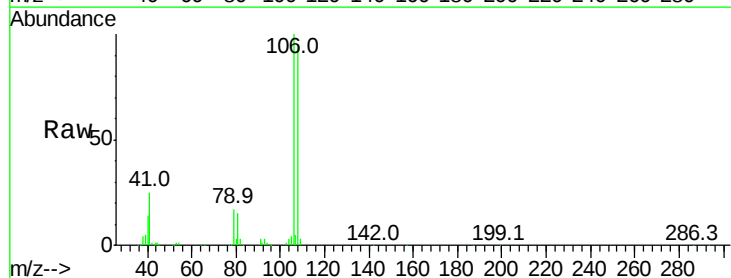
#13  
Ethanol  
Concen: 5.37 ppbv  
RT: 3.59  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId:  
ICVVL062922  
Acq: 29 Jun 2022 17:30

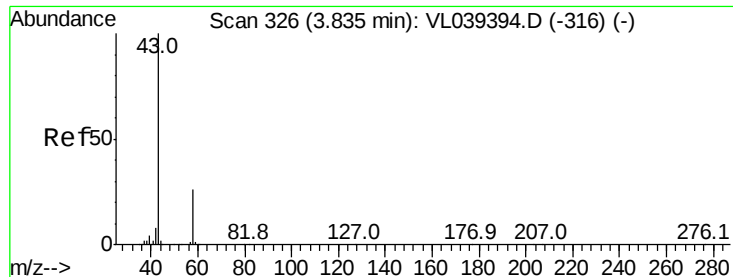
Tgt Ion: 45 Resp: 24744  
Ion Ratio Lower Upper  
45 100  
46 70.7 22.8 91.2



#14  
Bromoethene  
Concen: 9.02 ppbv  
RT: 3.73 min Scan# 294  
Delta R.T. 0.00 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

Tgt Ion: 108 Resp: 630288  
Ion Ratio Lower Upper  
108 100  
106 107.8 87.1 130.7  
79 18.8 14.6 22.0





#15

Acetone

Concen: 8.85 ppbv

RT: 3.84 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

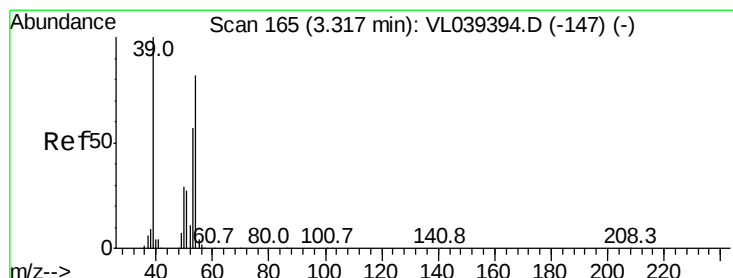
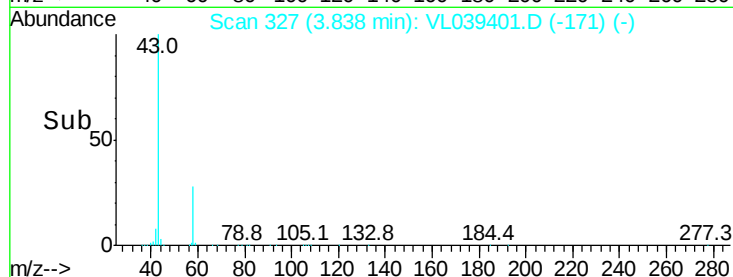
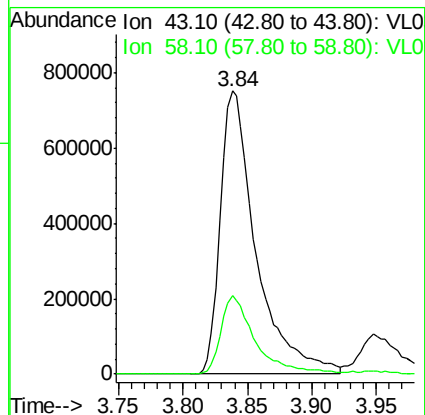
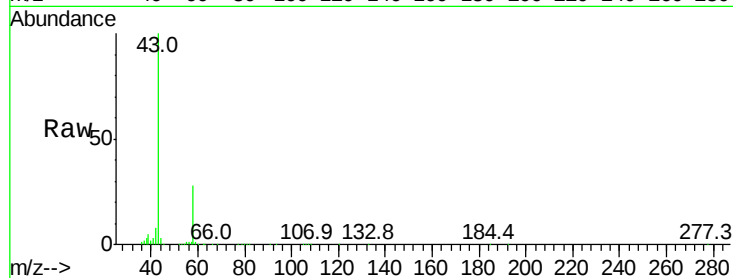
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 1451219

Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.6



#16

1,3-Butadiene

Concen: 9.29 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL039401.D

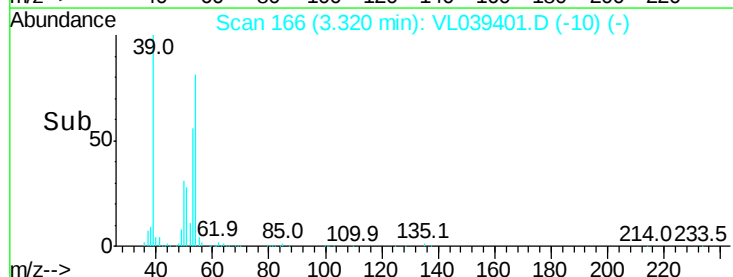
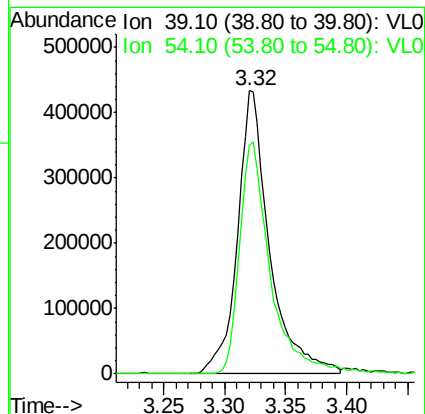
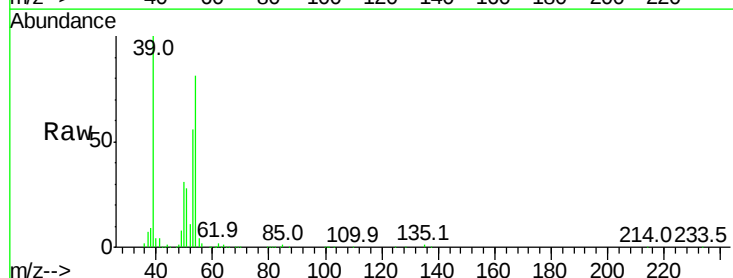
Acq: 29 Jun 2022 17:30

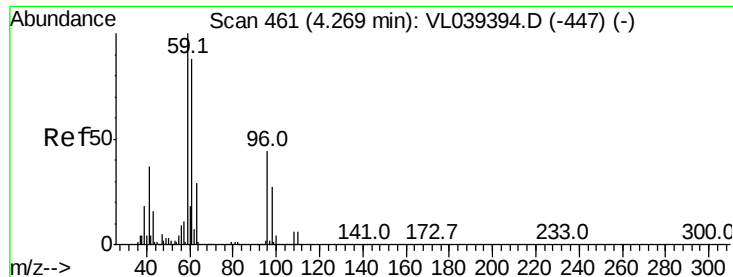
Tgt Ion: 39 Resp: 790422

Ion Ratio Lower Upper

39 100

54 79.4 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.95 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

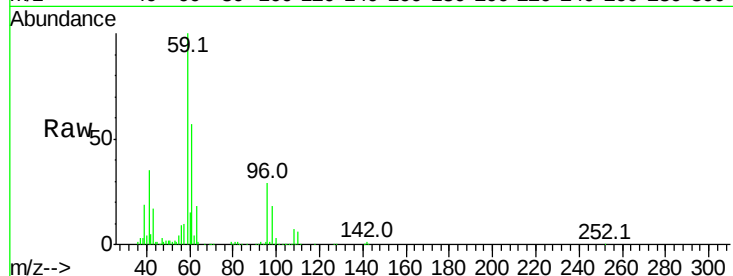
Acq: 29 Jun 2022 17:30

Tgt Ion: 59 Resp: 1384773

Ion Ratio Lower Upper

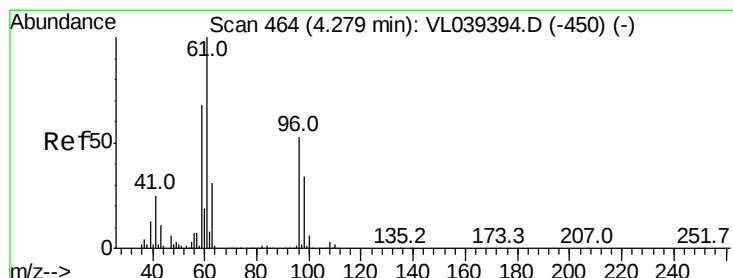
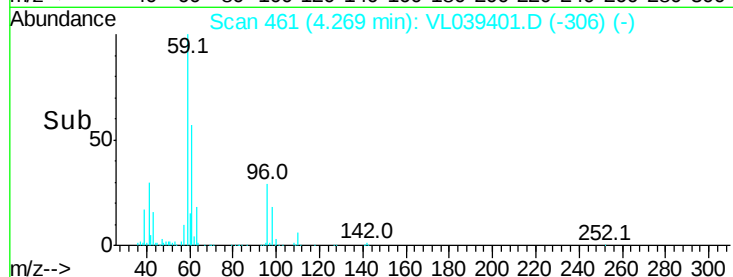
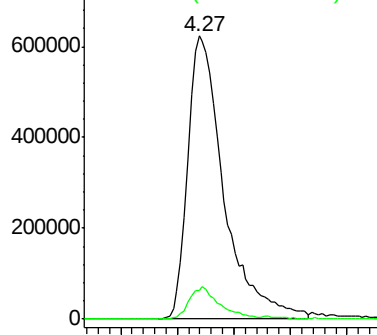
59 100

57 10.3 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.95 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.00 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

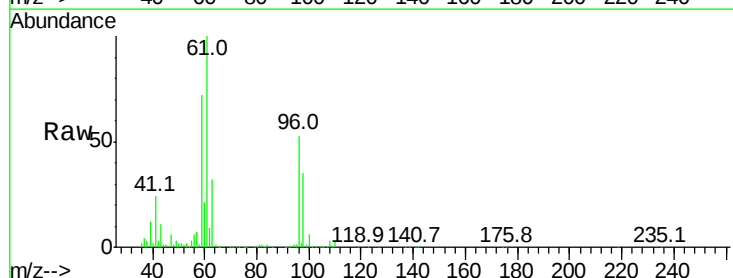
Tgt Ion: 96 Resp: 673485

Ion Ratio Lower Upper

96 100

61 189.9 152.2 228.4

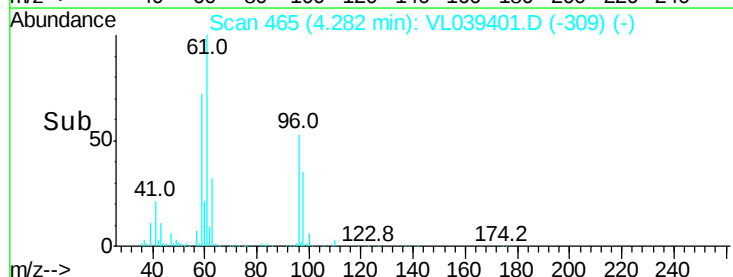
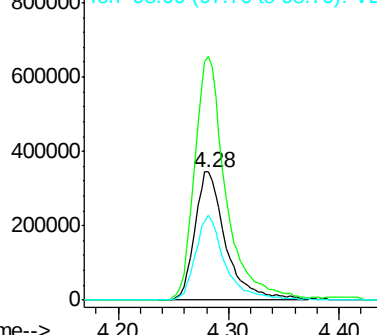
98 65.9 51.8 77.6

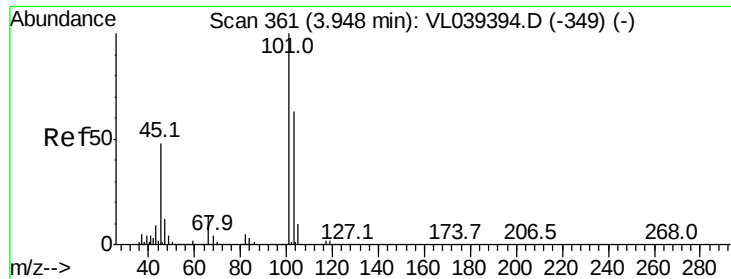


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.58 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

ICVVL062922

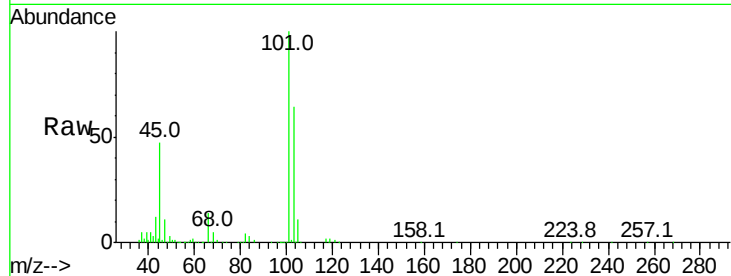
Acq: 29 Jun 2022 17:30

Tgt Ion: 45 Resp: 751170

Ion Ratio Lower Upper

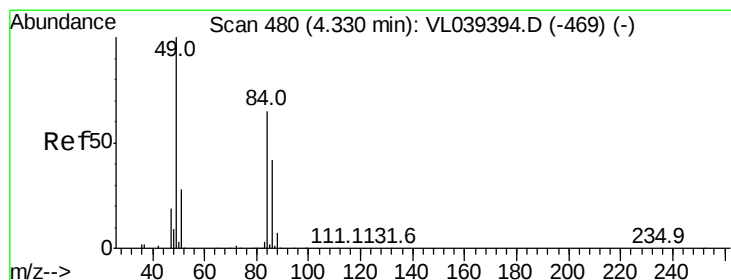
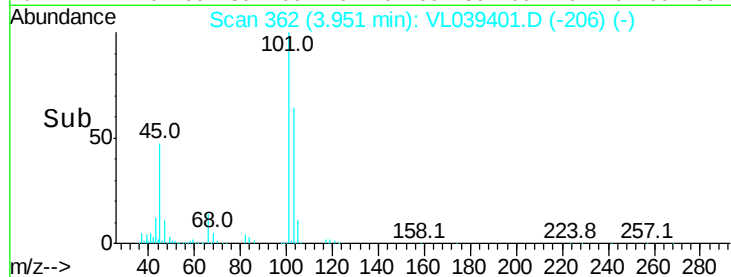
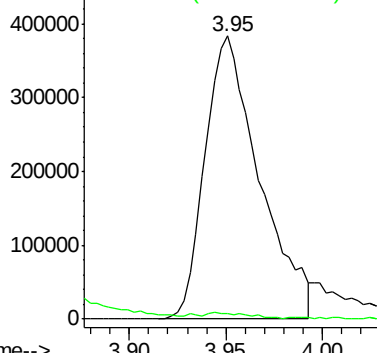
45 100

58 1.8 3.2 4.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.31 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 84 Resp: 543140

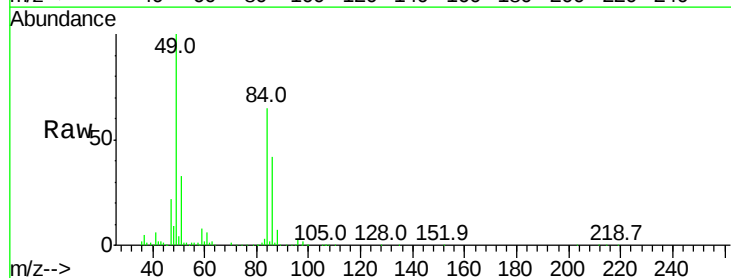
Ion Ratio Lower Upper

84 100

49 150.7 123.1 184.7

51 48.7 34.4 51.6

86 64.2 51.1 76.7

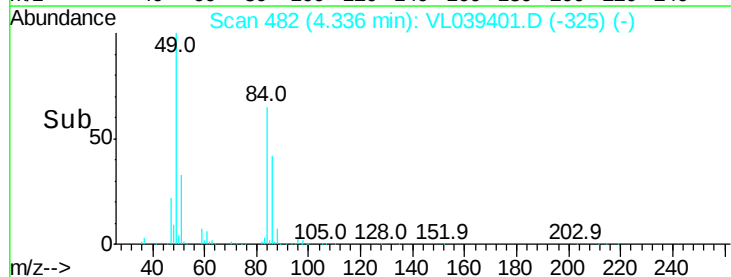
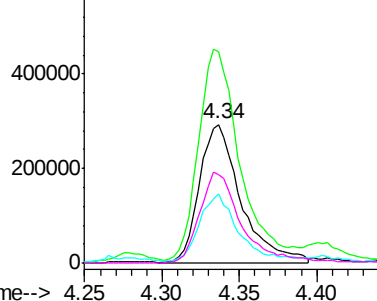


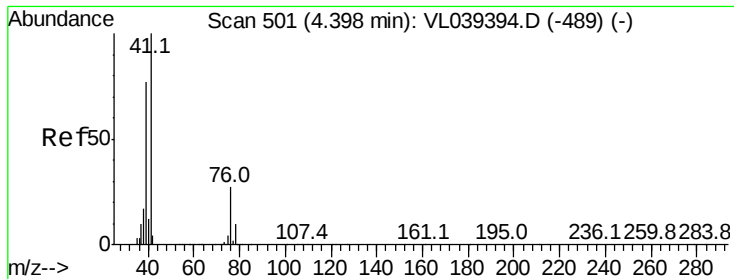
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

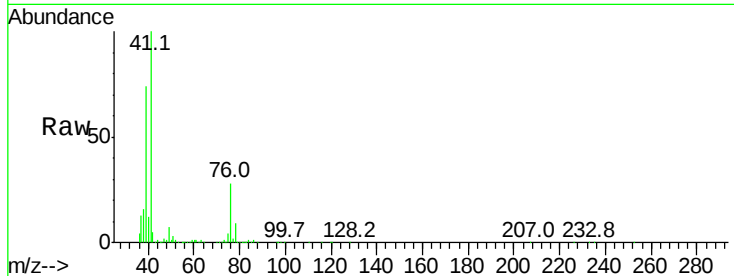




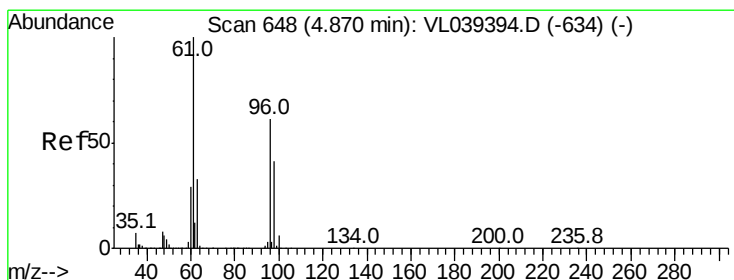
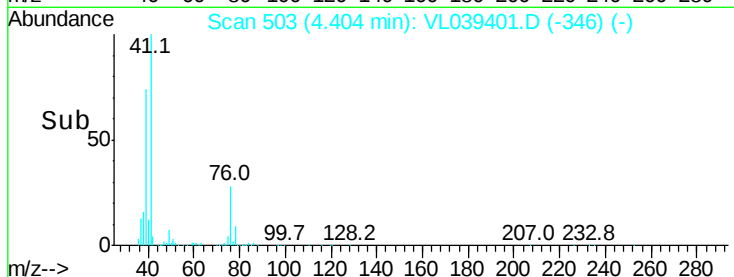
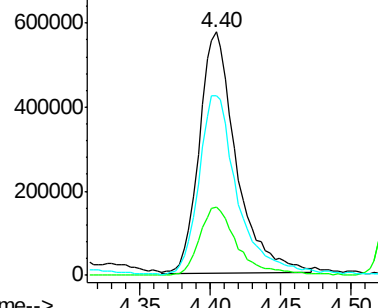
#21  
 Allyl Chloride  
 Concen: 9.27 ppbv  
 RT: 4.40  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 41 Resp: 1053112

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 76  | 29.3  | 24.4  | 36.6  |
| 39  | 77.7  | 63.5  | 95.3  |



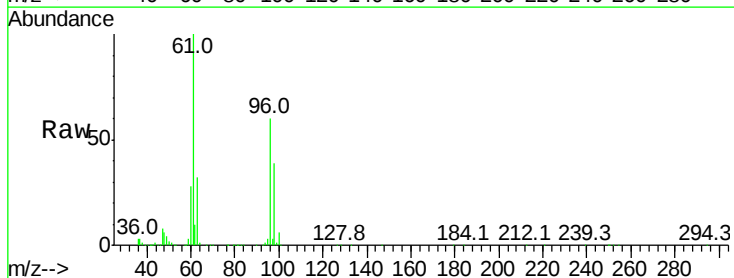
Abundance Ion 41.10 (40.80 to 41.80): VL0  
 Ion 76.10 (75.80 to 76.80): VL0  
 Ion 39.10 (38.80 to 39.80): VL0



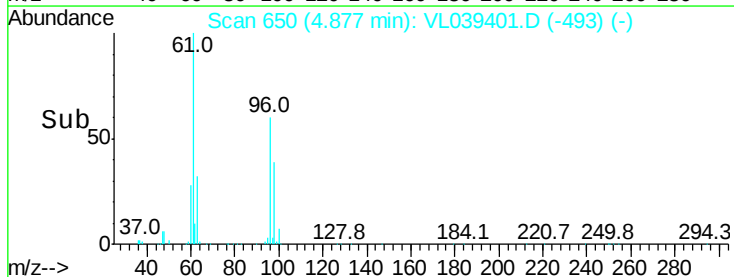
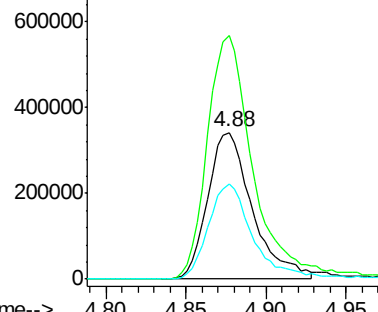
#22  
 trans-1,2-Dichloroethene  
 Concen: 8.91 ppbv  
 RT: 4.88 min Scan# 650  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

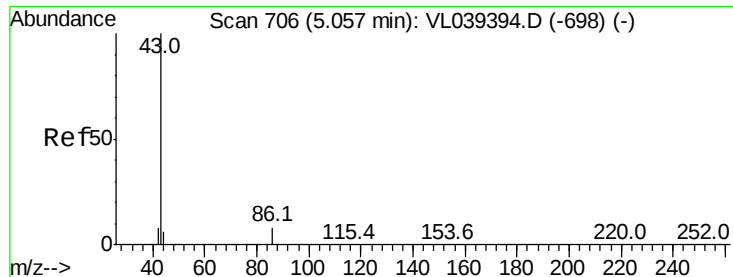
Tgt Ion: 96 Resp: 649338

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 165.9 | 130.6 | 195.8 |
| 98  | 65.2  | 53.4  | 80.0  |



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





#23

Vinyl Acetate

Concen: 10.25 ppbv

RT: 5.06 Instrument: MSVOA\_1

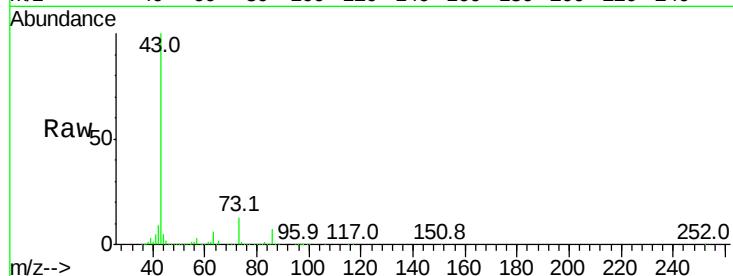
Delta R.T. ClientSampleId:

Lab File: ICVVL062922

Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 1123375

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.0   | 5.0   | 7.6   |
| 42  | 9.1   | 7.7   | 11.5  |
| 44  | 4.6   | 4.6   | 7.0#  |

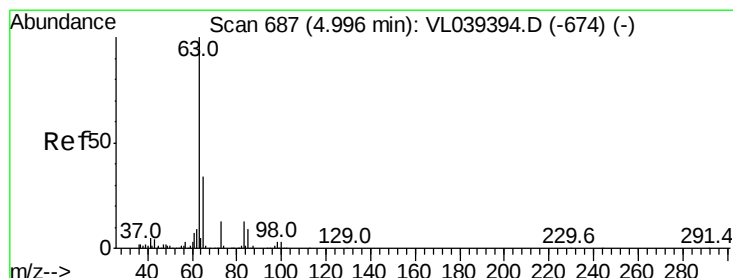
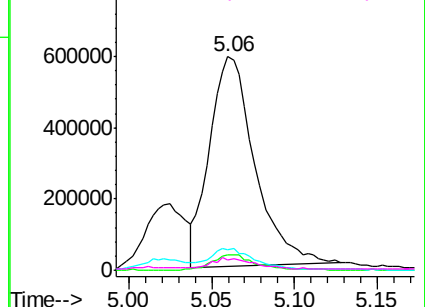
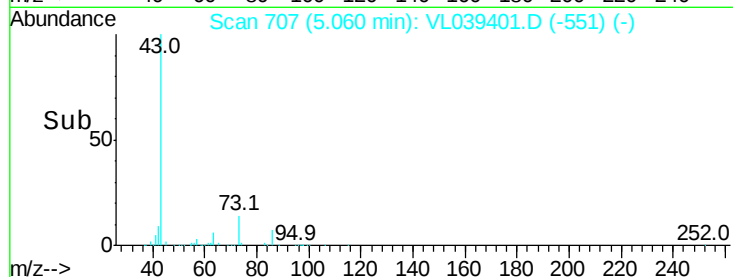


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.62 ppbv

RT: 5.00 min Scan# 689

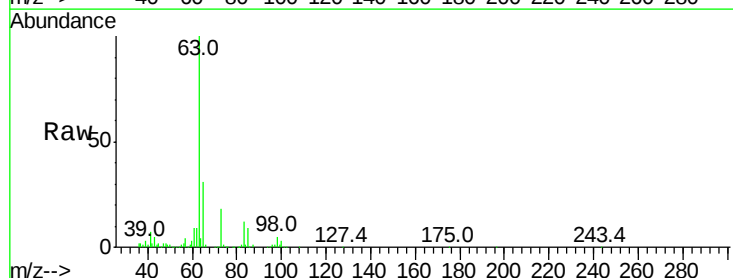
Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 63 Resp: 1489437

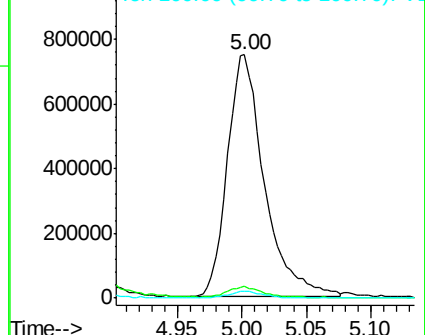
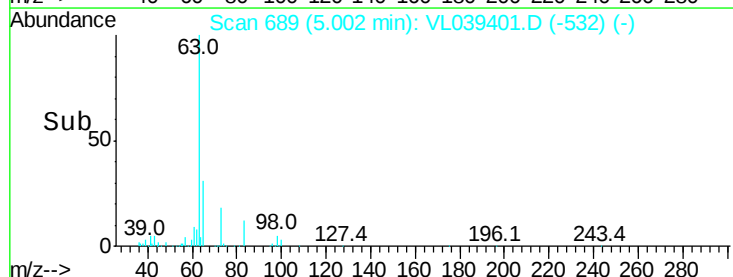
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.4   | 1.8   | 5.3   |
| 100 | 2.9   | 1.5   | 4.4   |

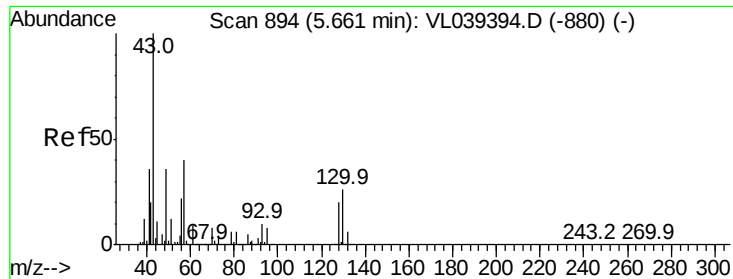


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

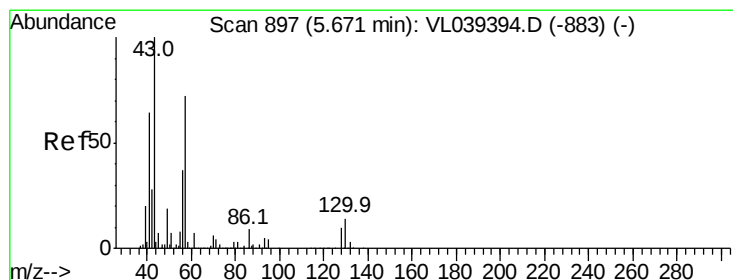
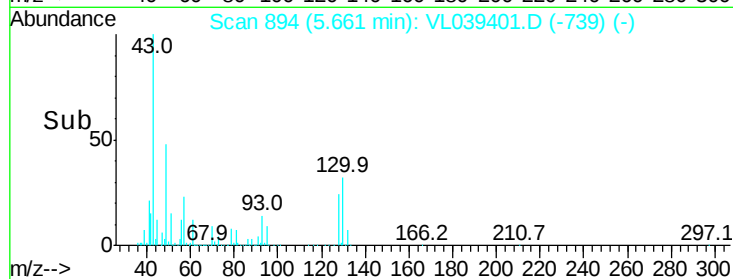
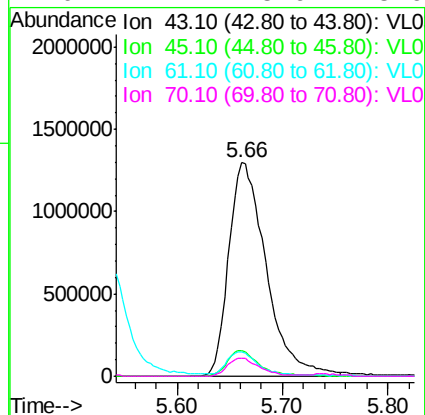
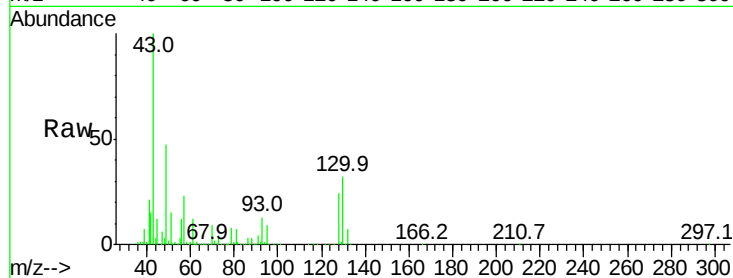




#25  
Ethyl Acetate  
Concen: 9.47 ppbv  
RT: 5.66  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 3184958

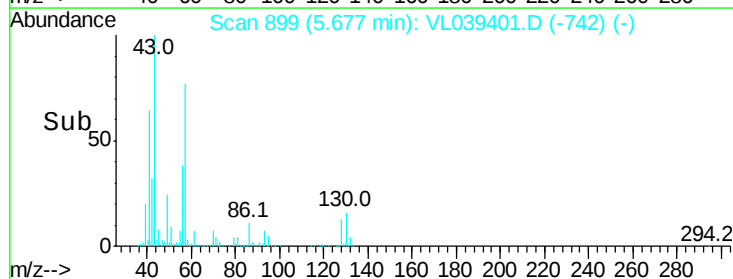
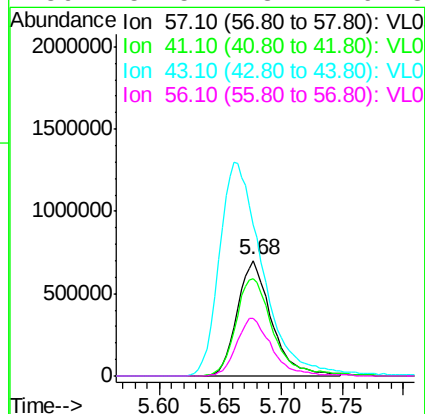
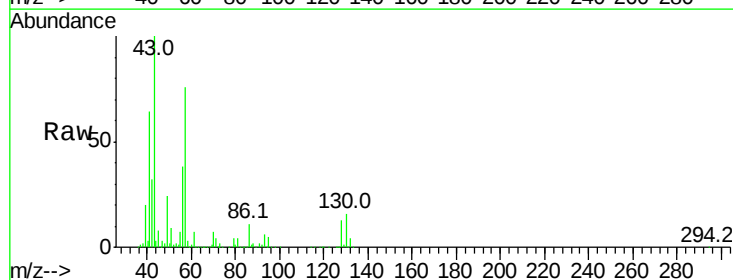
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.5  | 8.2   | 12.4  |
| 61  | 10.3  | 8.3   | 12.5  |
| 70  | 7.2   | 5.9   | 8.9   |

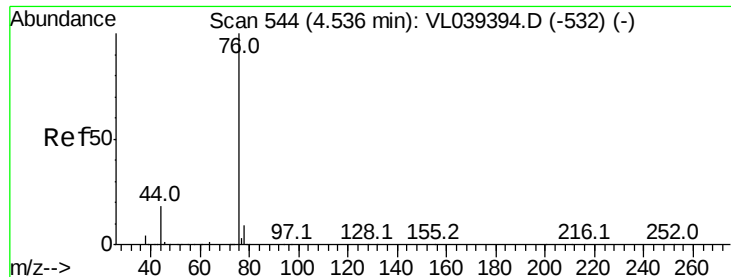


#26  
Hexane  
Concen: 10.07 ppbv  
RT: 5.68 min Scan# 899  
Delta R.T. 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

Tgt Ion: 57 Resp: 1364683

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 92.7  | 76.9  | 115.3 |
| 43  | 237.4 | 191.0 | 286.6 |
| 56  | 52.5  | 43.2  | 64.8  |





#27

Carbon Disulfide

Concen: 9.81 ppbv

RT: 4.54 Instrument: MSVOA\_1

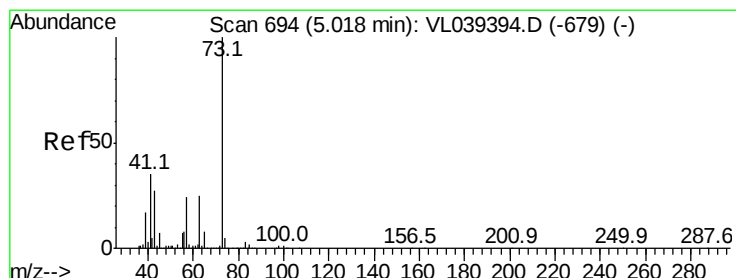
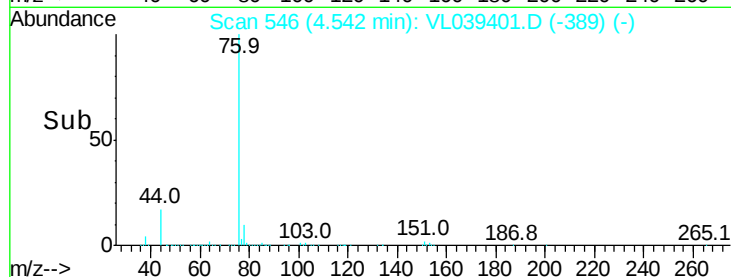
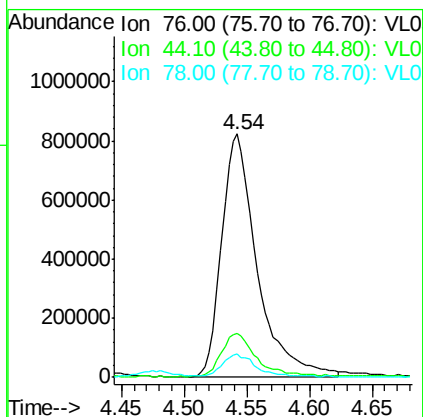
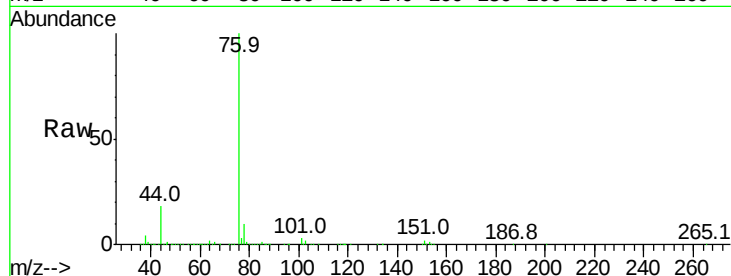
Delta R.T. 0.00 min

Lab File: ClientSampleId: ICVVL062922

Acq: 29 Jun 2022 17:30

Tgt Ion: 76 Resp: 1606180

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 18.0  | 14.6  | 21.8  |
| 78  | 9.8   | 7.8   | 11.6  |



#28

Methyl tert-Butyl Ether

Concen: 10.07 ppbv

RT: 5.02 min Scan# 695

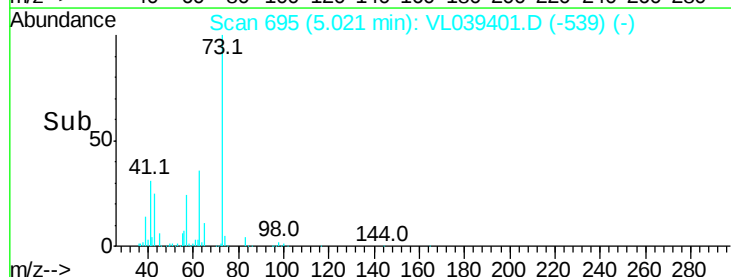
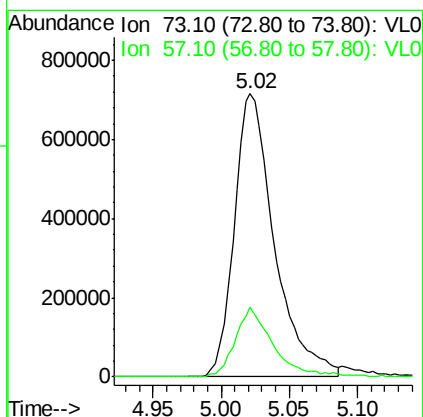
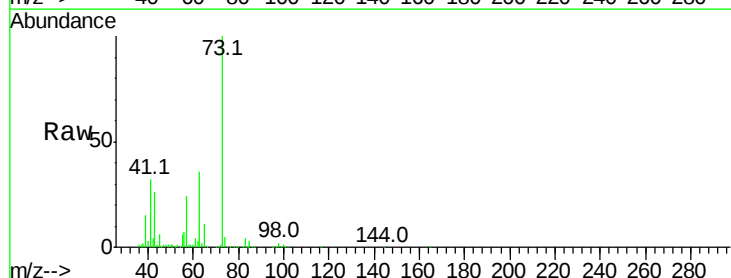
Delta R.T. 0.00 min

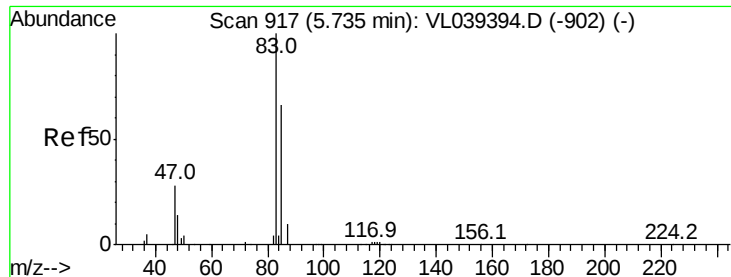
Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 73 Resp: 1459799

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 23.6  | 19.8  | 29.8  |





#29

Chloroform

Concen: 8.88 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

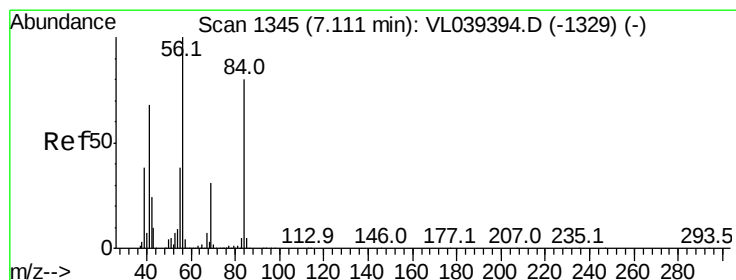
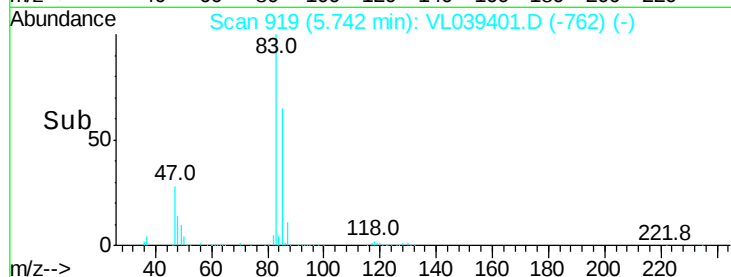
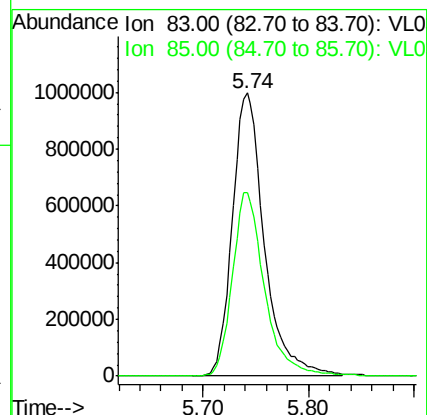
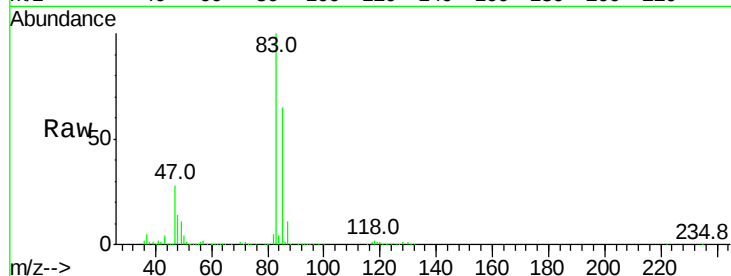
Acq: 29 Jun 2022 17:30

Tgt Ion: 83 Resp: 2094620

Ion Ratio Lower Upper

83 100

85 64.7 52.8 79.2



#30

Cyclohexane

Concen: 9.40 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

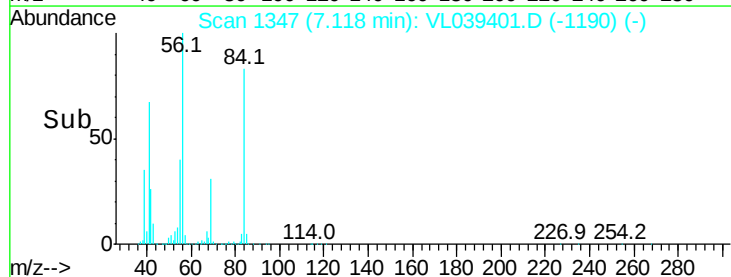
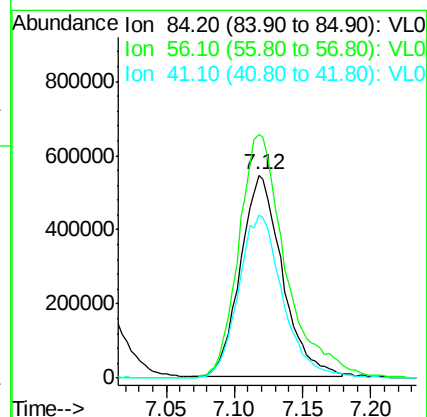
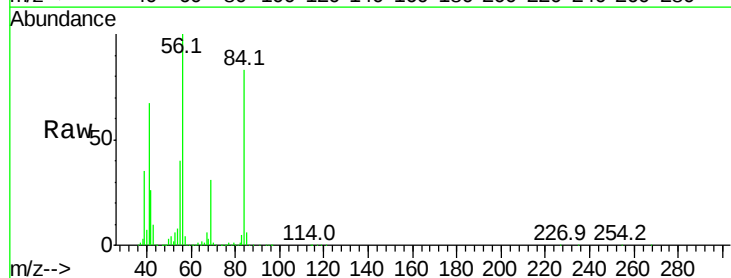
Tgt Ion: 84 Resp: 1160109

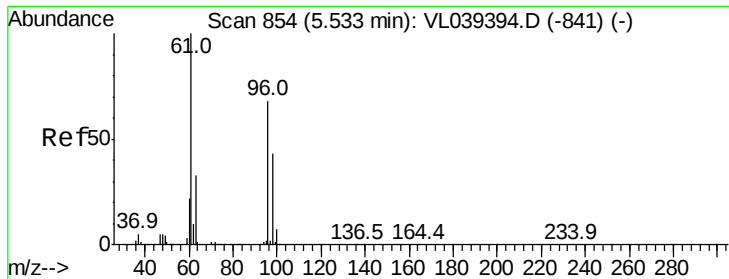
Ion Ratio Lower Upper

84 100

56 136.3 107.7 161.5

41 85.6 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 9.39 ppbv

RT: 5.54

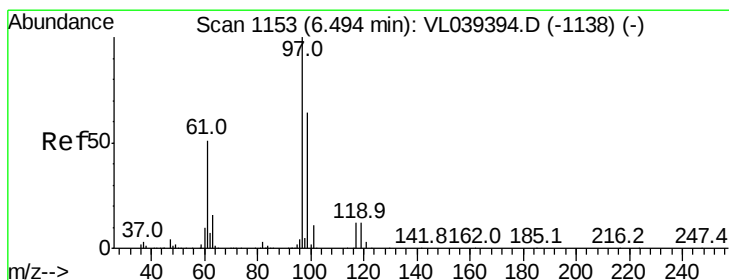
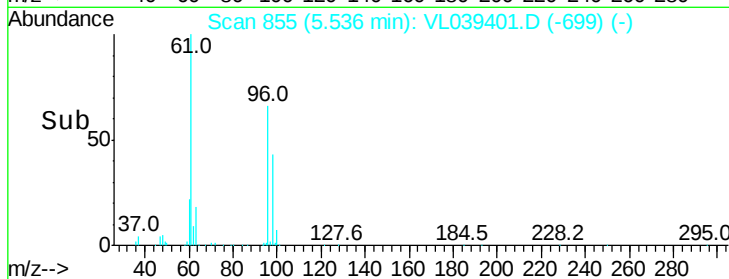
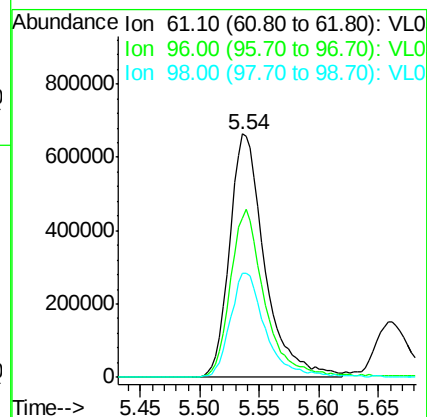
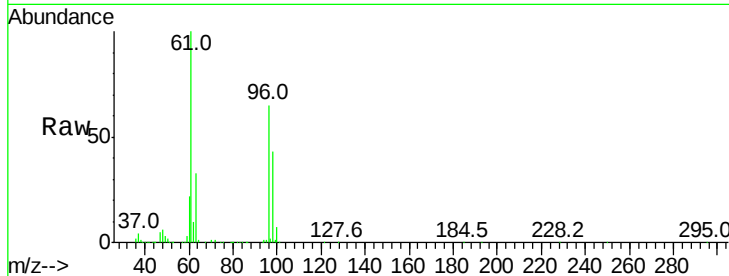
Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30

Tgt Ion: 61 Resp: 1351230

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 65.2  | 54.1  | 81.1  |
| 98  | 42.9  | 34.6  | 52.0  |



#32

1,1,1-Trichloroethane

Concen: 8.95 ppbv

RT: 6.50 min Scan# 1155

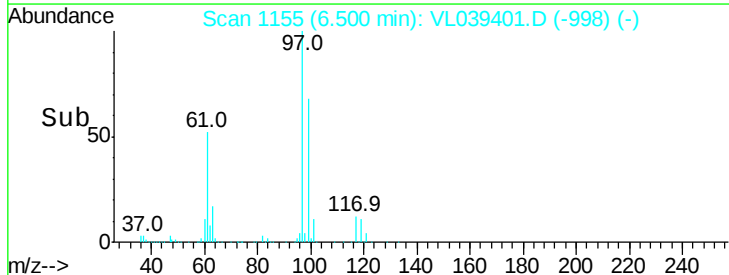
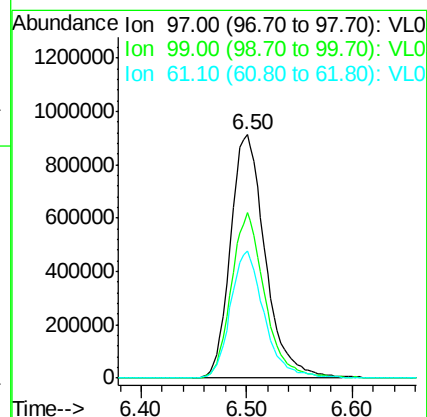
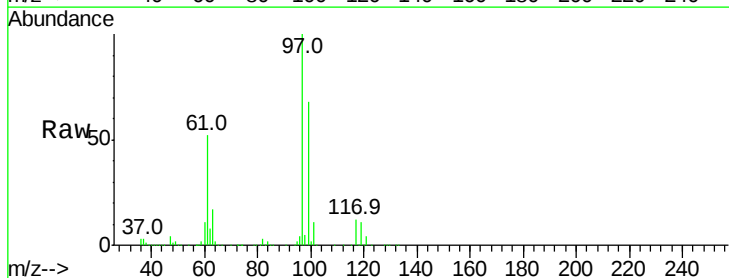
Delta R.T. 0.01 min

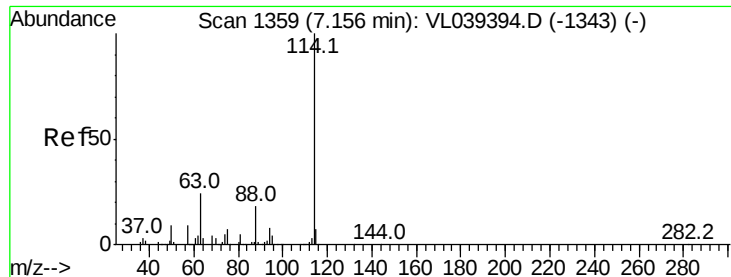
Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 97 Resp: 2082937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.4  | 52.3  | 78.5  |
| 61  | 50.6  | 40.9  | 61.3  |

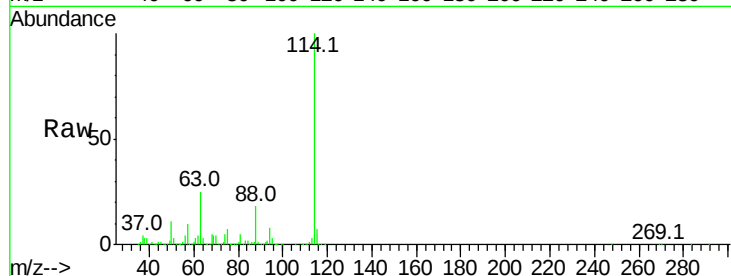




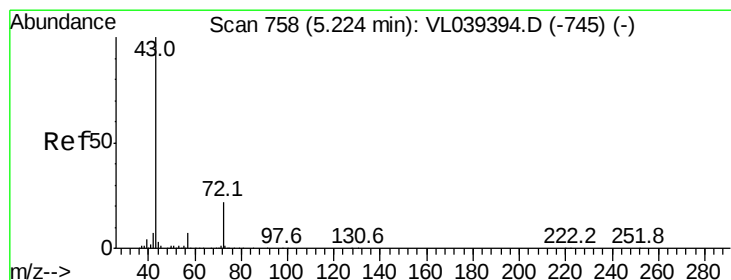
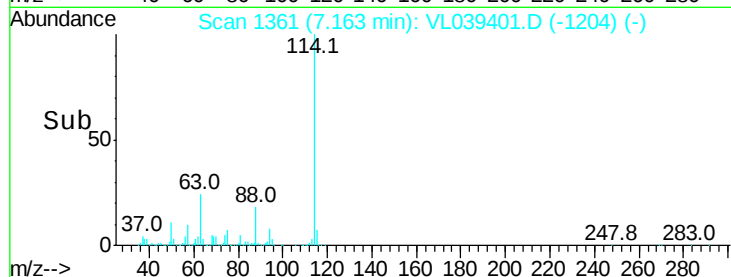
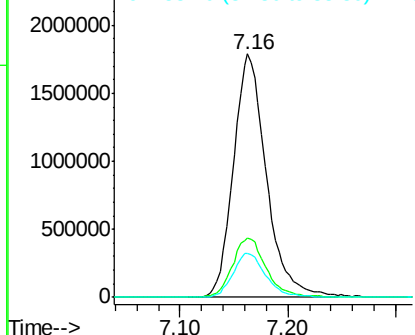
#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.16  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 ICVVL062922  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 114 Resp: 3807478

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.2  | 20.2  | 30.4  |
| 88  | 18.3  | 14.5  | 21.7  |



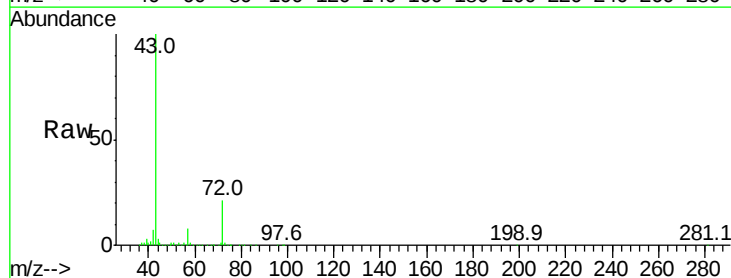
Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0



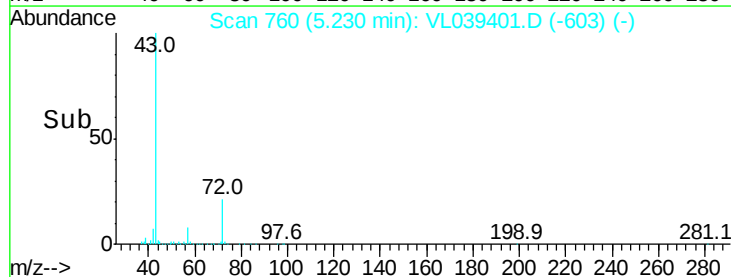
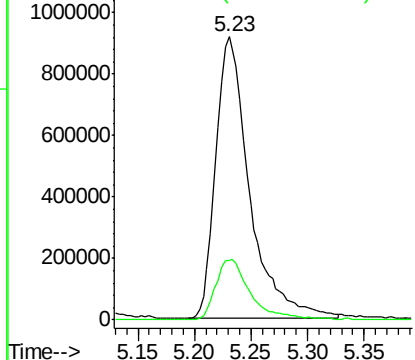
#34  
 2-Butanone  
 Concen: 9.93 ppbv  
 RT: 5.23 min Scan# 760  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

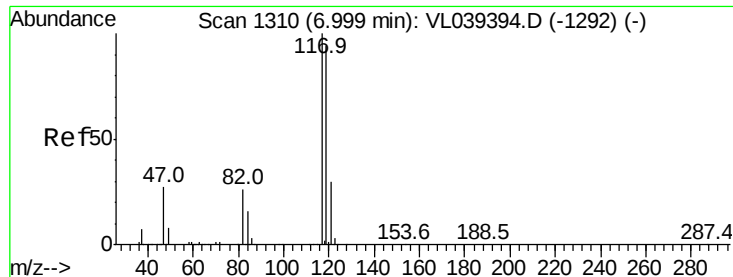
Tgt Ion: 43 Resp: 1904061

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 22.7  | 17.9  | 26.9  |



Abundance Ion 43.10 (42.80 to 43.80): VL0  
 Ion 72.10 (71.80 to 72.80): VL0

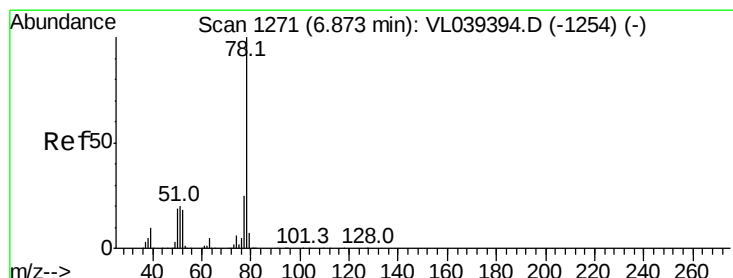
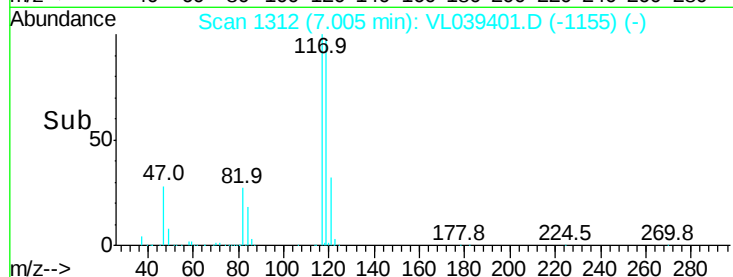
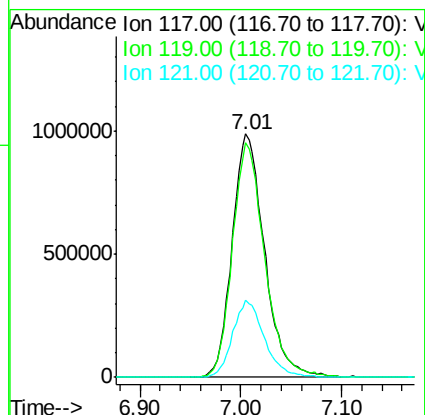
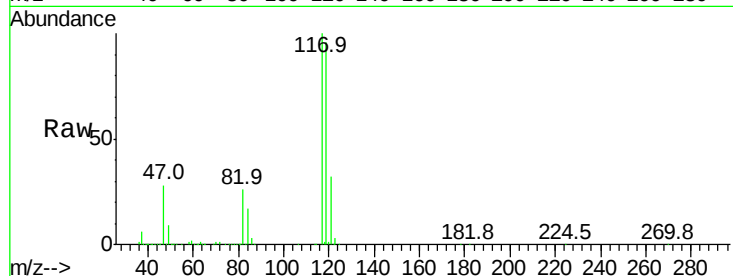




#35  
Carbon Tetrachloride  
Concen: 9.37 ppbv  
RT: 7.01  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 29 Jun 2022 17:30

Tgt Ion: 117 Resp: 2205224

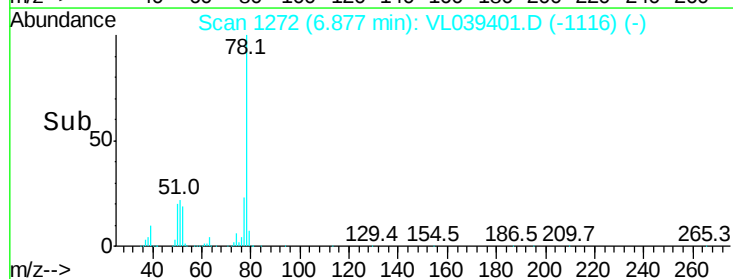
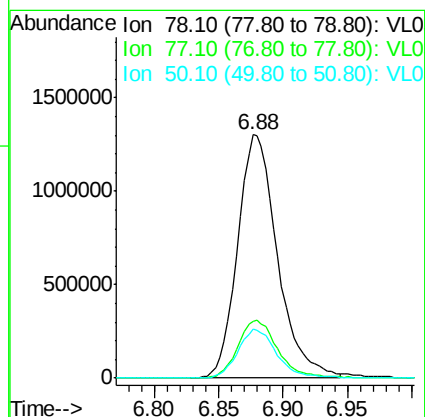
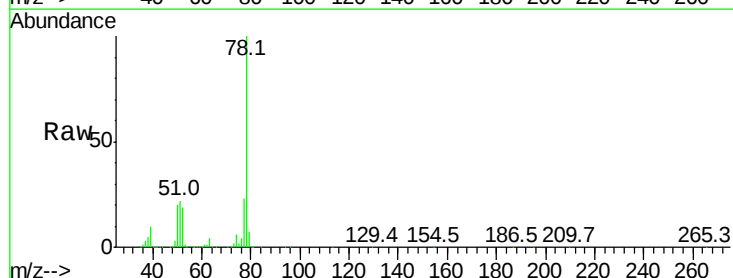
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.1  | 75.4  | 113.2 |
| 121 | 31.7  | 24.2  | 36.2  |

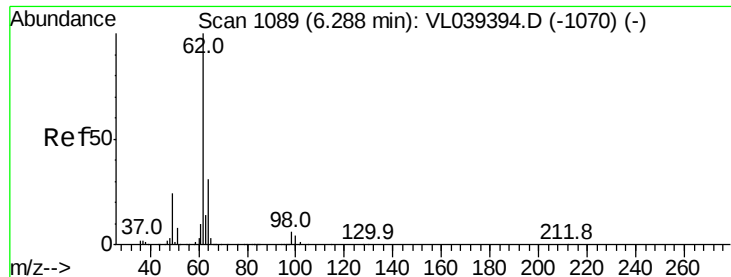


#36  
Benzene  
Concen: 9.52 ppbv  
RT: 6.88 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

Tgt Ion: 78 Resp: 2804296

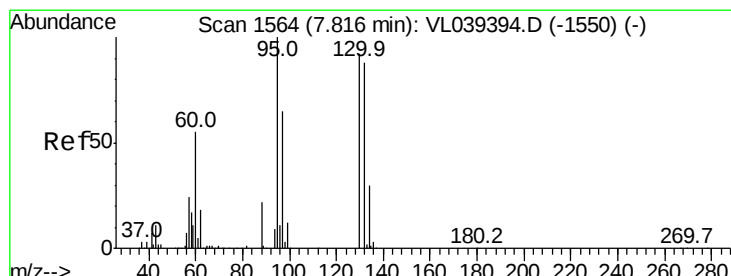
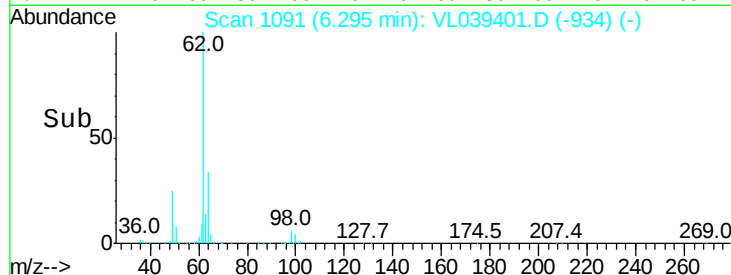
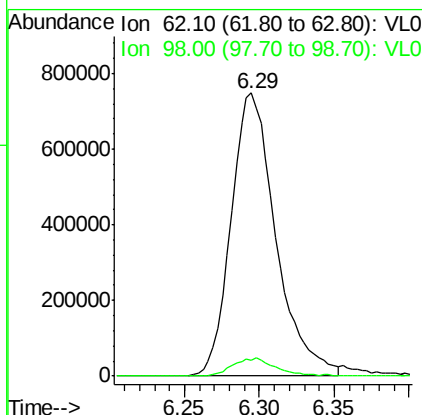
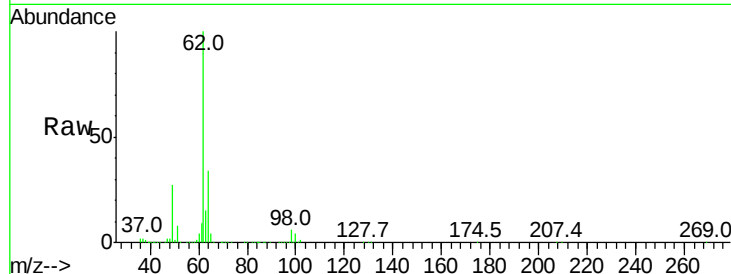
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 23.1  | 20.3  | 30.5  |
| 50  | 20.2  | 15.5  | 23.3  |





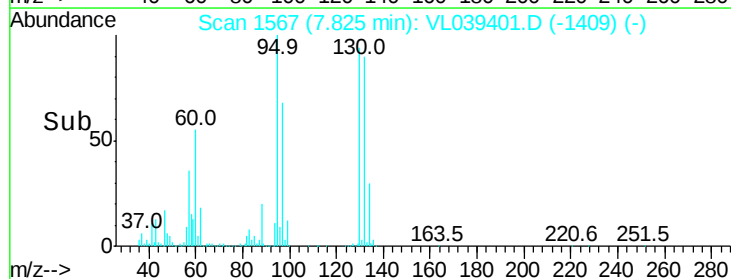
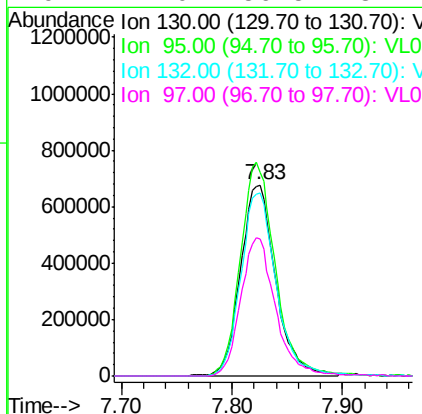
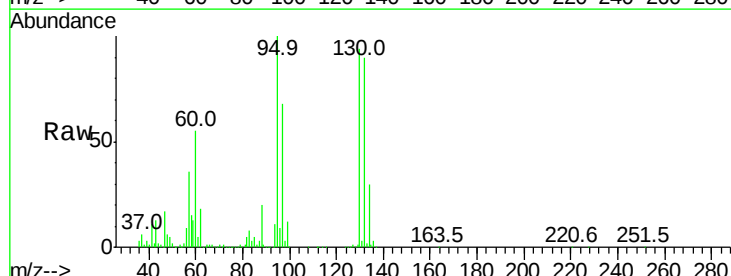
#37  
 1,2-Dichloroethane  
 Concen: 8.95 ppbv  
 RT: 6.29  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 ICVVL062922  
 Acq: 29 Jun 2022 17:30

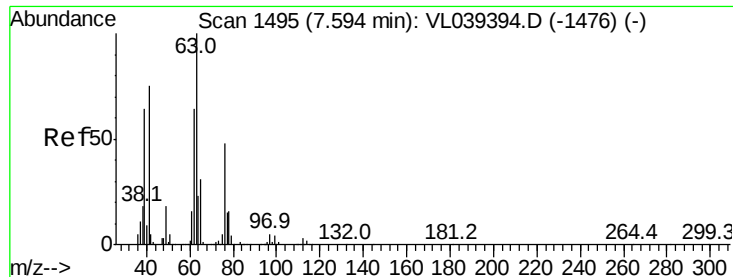
Tgt Ion: 62 Resp: 1555997  
 Ion Ratio Lower Upper  
 62 100  
 98 6.7 5.1 7.7



#38  
 Trichloroethene  
 Concen: 9.30 ppbv  
 RT: 7.83 min Scan# 1567  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 130 Resp: 1482096  
 Ion Ratio Lower Upper  
 130 100  
 95 106.6 87.3 130.9  
 132 96.1 76.7 115.1  
 97 72.0 56.5 84.7





#39

1,2-Dichloropropane

Concen: 9.53 ppbv

RT: 7.60

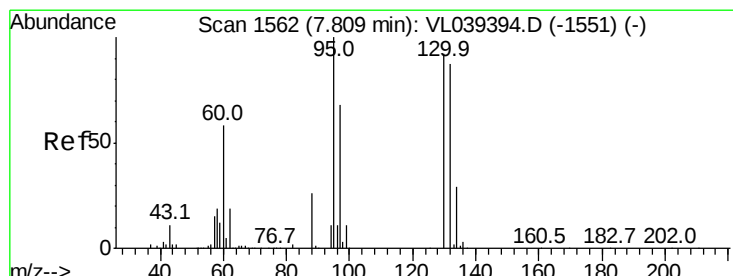
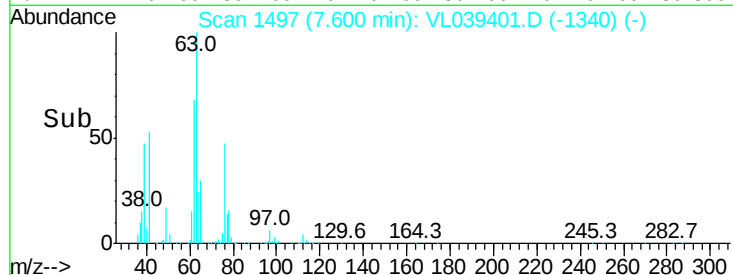
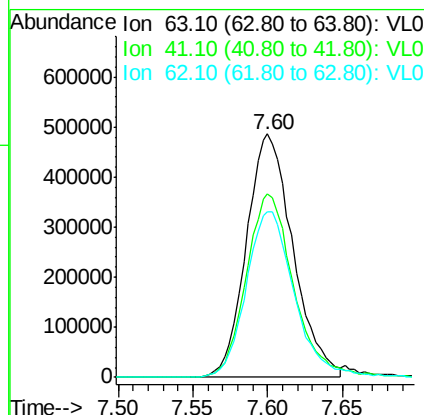
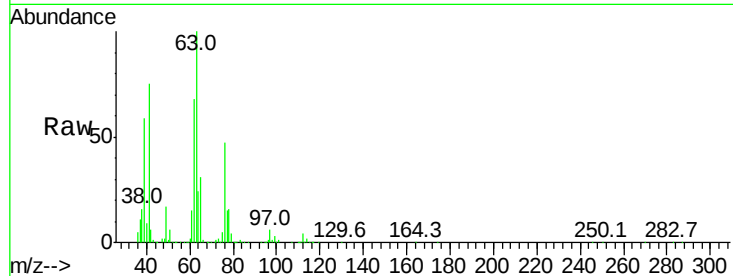
Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

Tgt Ion: 63 Resp: 1048678

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 75.4  | 59.6  | 89.4  |
| 62  | 68.2  | 51.4  | 77.0  |



#40

1,4-Dioxane

Concen: 9.53 ppbv

RT: 7.82 min Scan# 1564

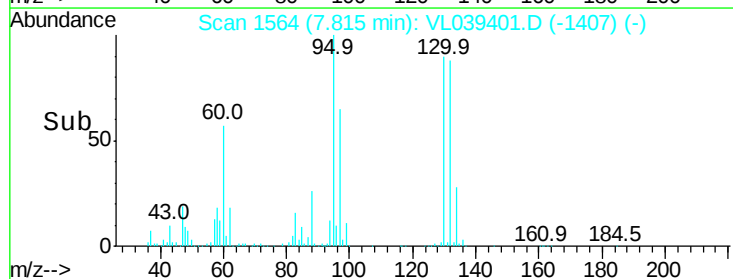
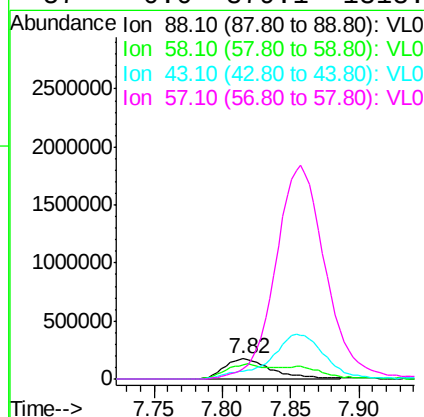
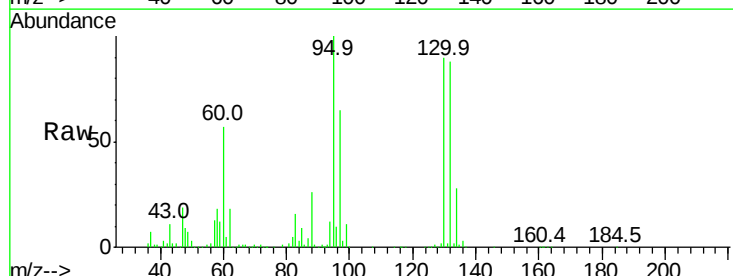
Delta R.T. 0.01 min

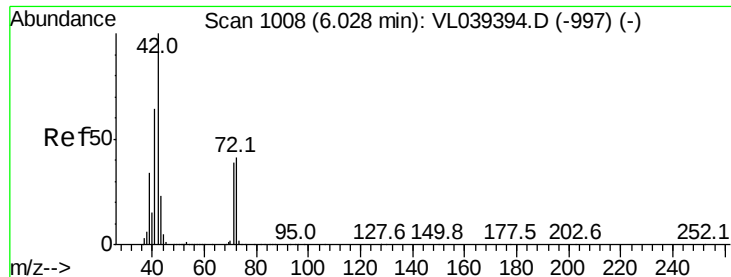
Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 88 Resp: 418037

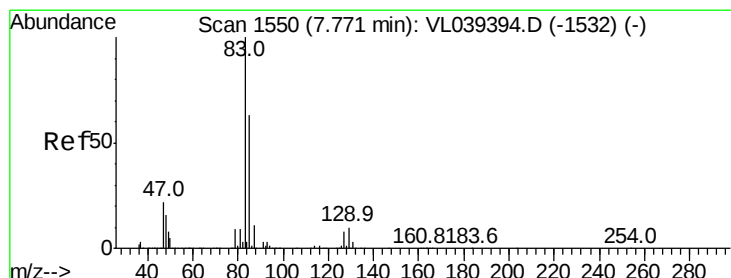
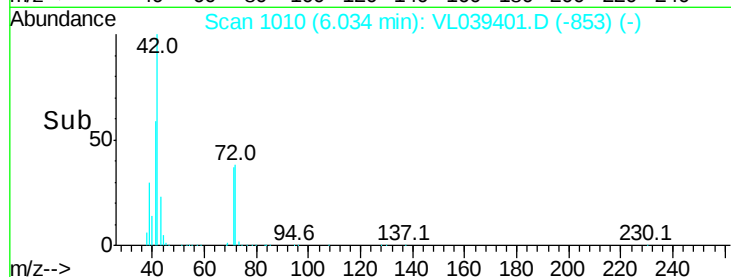
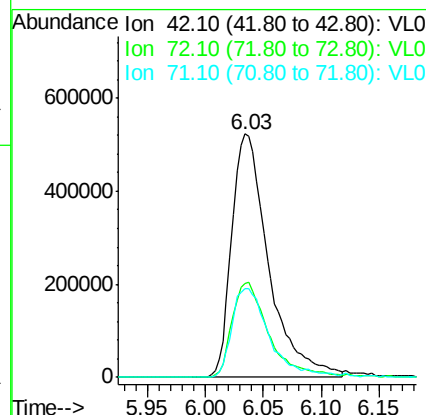
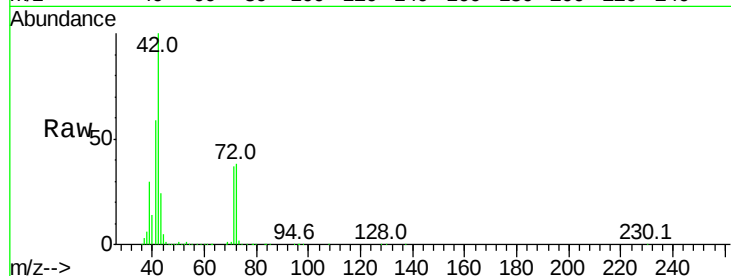
| Ion | Ratio | Lower | Upper   |
|-----|-------|-------|---------|
| 88  | 100   |       |         |
| 58  | 125.7 | 100.2 | 150.4   |
| 43  | 0.0   | 205.8 | 308.6#  |
| 57  | 0.0   | 879.1 | 1318.7# |





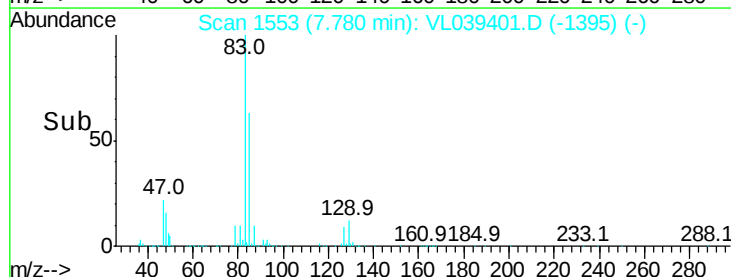
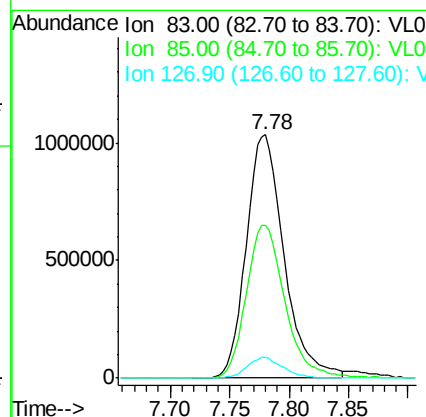
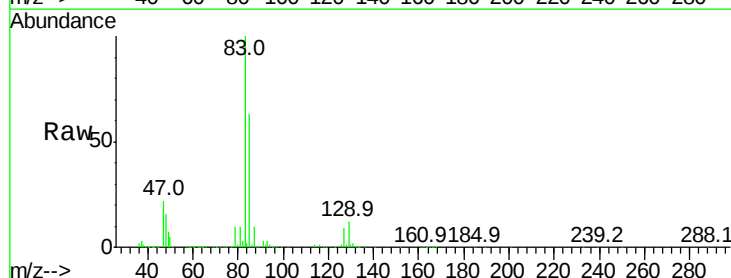
#41  
Tetrahydrofuran  
Concen: 10.36 ppbv  
RT: 6.03  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 29 Jun 2022 17:30

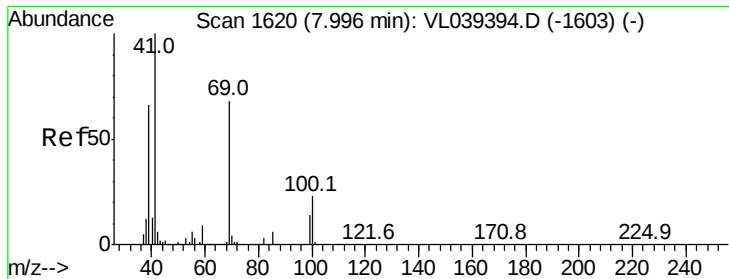
Tgt Ion: 42 Resp: 1150576  
Ion Ratio Lower Upper  
42 100  
72 39.6 31.8 47.8  
71 38.3 31.8 47.8



#42  
Bromodichloromethane  
Concen: 9.72 ppbv  
RT: 7.78 min Scan# 1553  
Delta R.T.: 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

Tgt Ion: 83 Resp: 2279399  
Ion Ratio Lower Upper  
83 100  
85 62.9 50.7 76.1  
127 8.5 6.6 9.8





#43

Methyl Methacrylate

Concen: 10.33 ppbv

RT: 8.00

Delta R.T. MSVOA\_L

Lab File: ClientSampled :

ICVVL062922

Acq: 29 Jun 2022 17:30

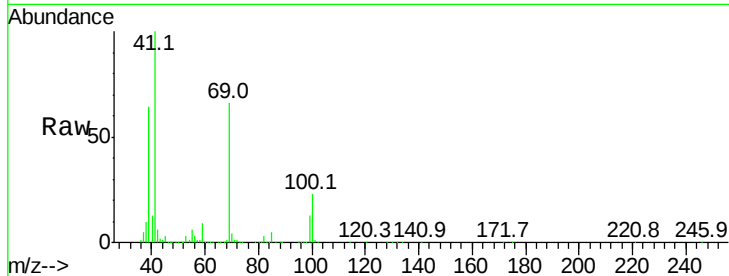
Tgt Ion: 69 Resp: 1157840

Ion Ratio Lower Upper

69 100

41 149.6 120.8 181.2

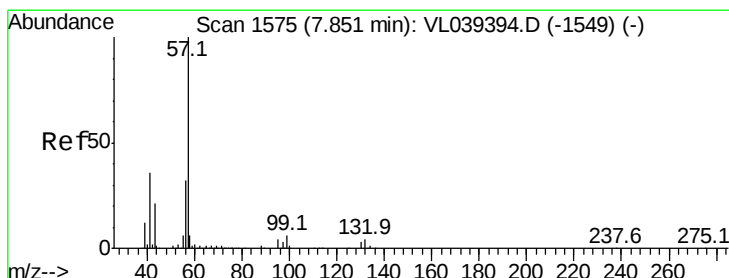
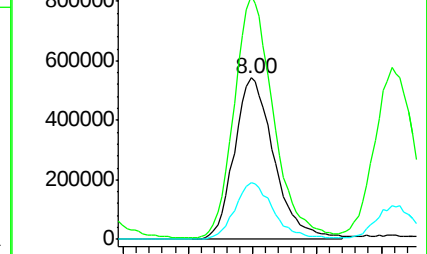
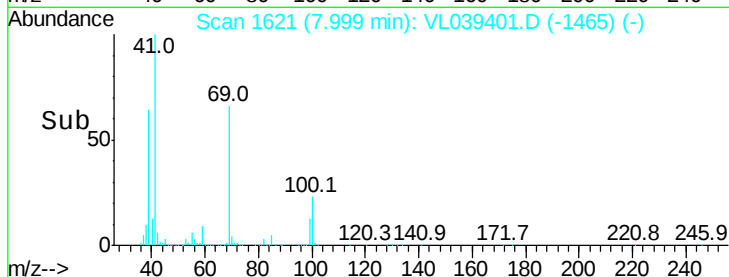
100 34.7 27.8 41.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.41 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

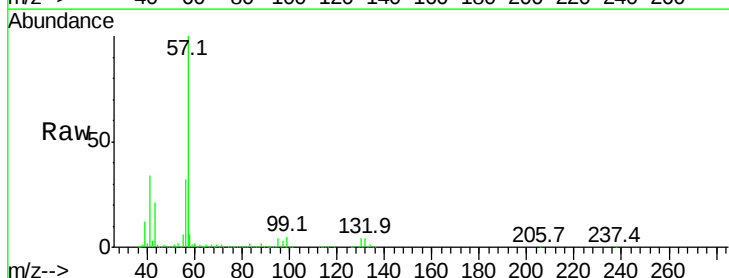
Tgt Ion: 57 Resp: 4699064

Ion Ratio Lower Upper

57 100

41 33.6 27.4 41.2

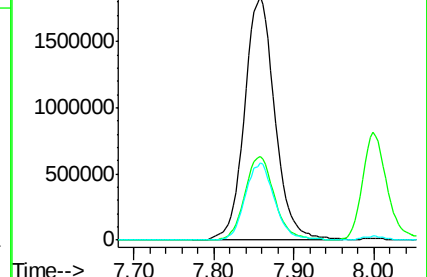
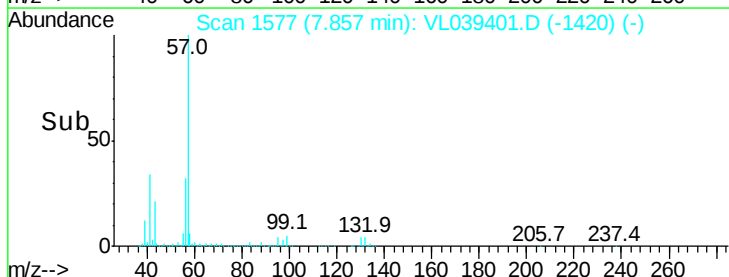
56 30.8 24.5 36.7

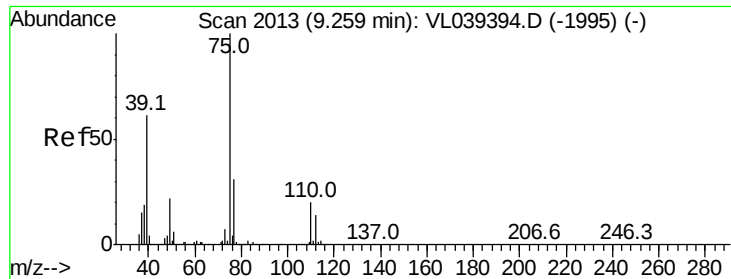


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.08 ppbv

RT: 9.26 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

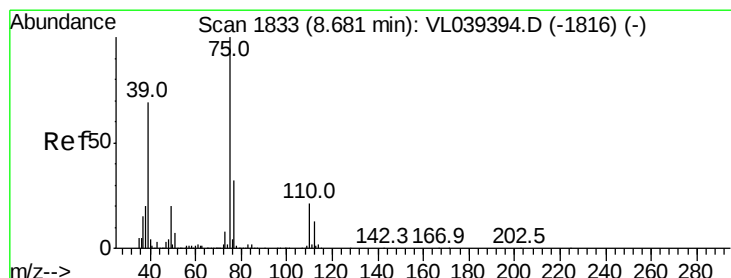
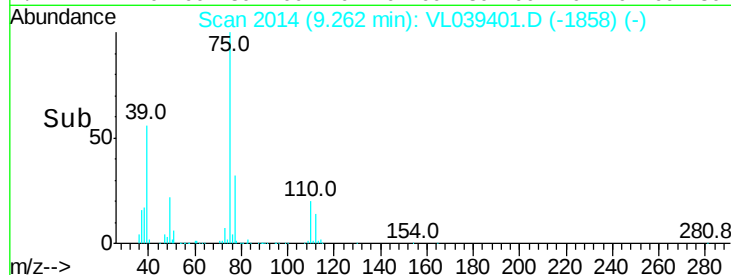
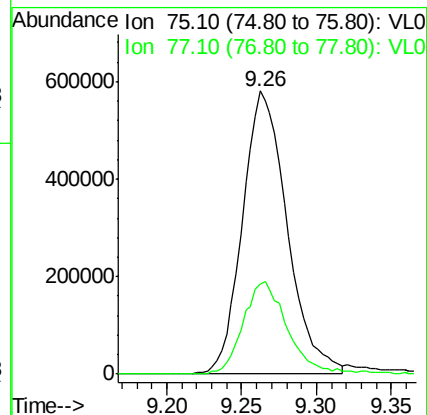
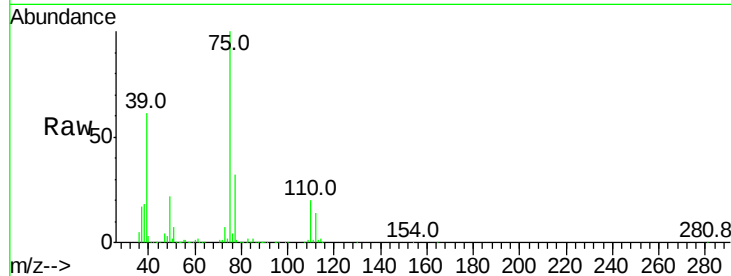
Acq: 29 Jun 2022 17:30

Tgt Ion: 75 Resp: 1204883

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 11.22 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

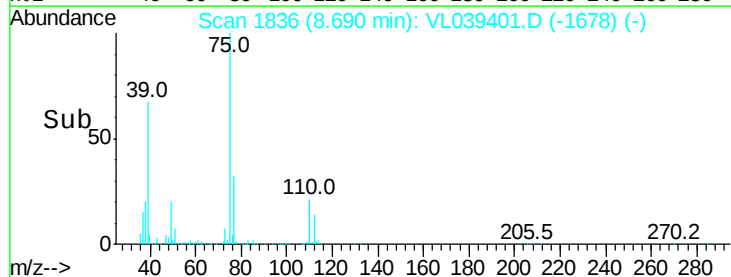
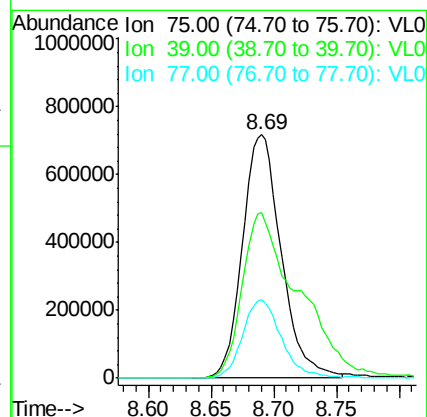
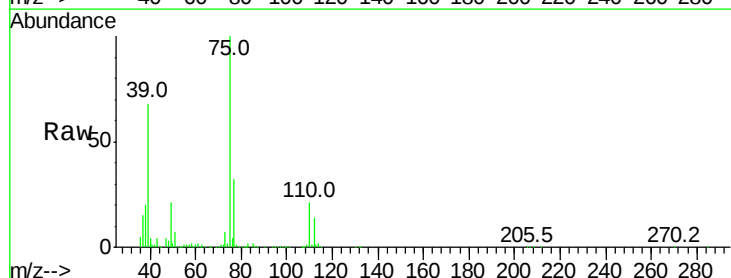
Tgt Ion: 75 Resp: 1541058

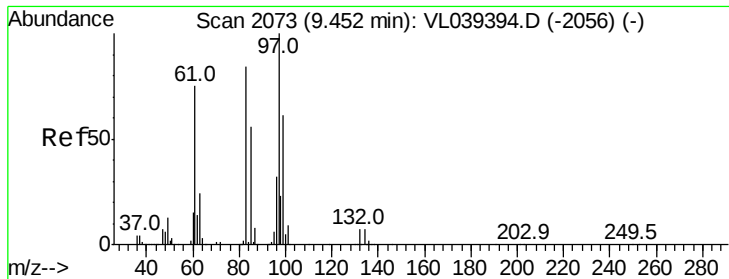
Ion Ratio Lower Upper

75 100

39 67.8 55.0 82.4

77 32.2 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 9.47 ppbv

RT: 9.46 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30

Tgt Ion: 97 Resp: 1170094

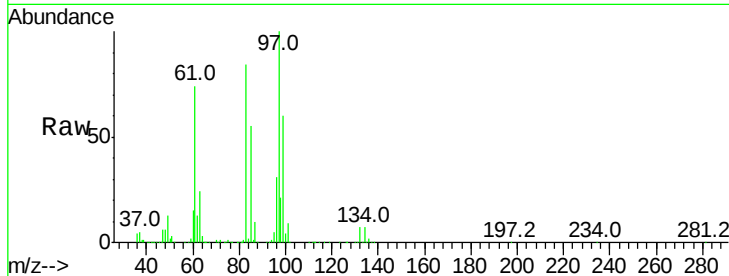
Ion Ratio Lower Upper

97 100

83 84.0 67.4 101.0

85 54.6 45.1 67.7

99 60.3 48.6 73.0

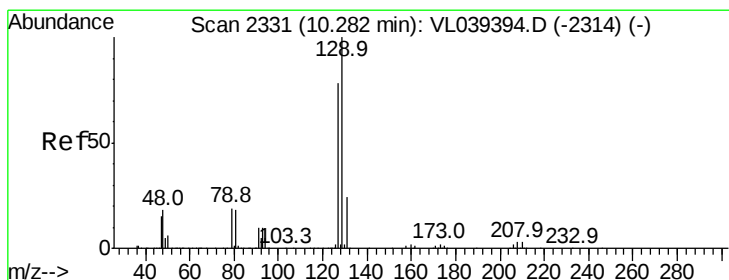
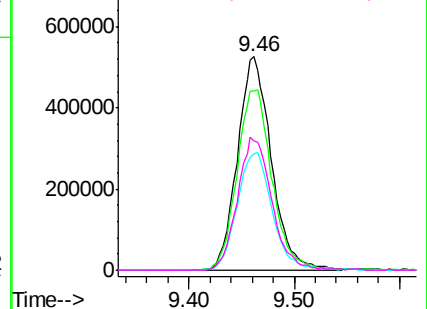
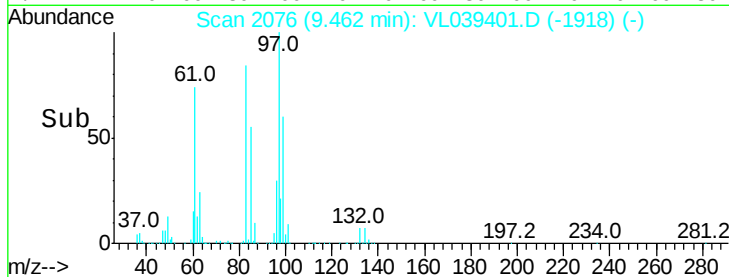


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.37 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL039401.D

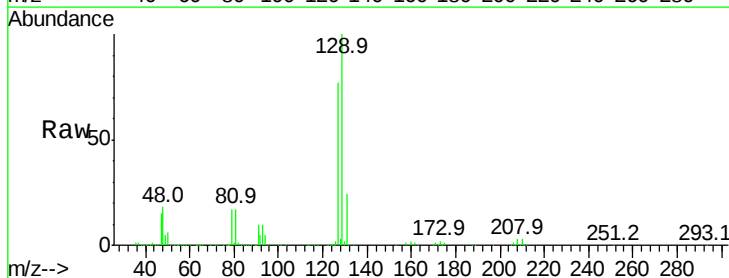
Acq: 29 Jun 2022 17:30

Tgt Ion: 129 Resp: 2035516

Ion Ratio Lower Upper

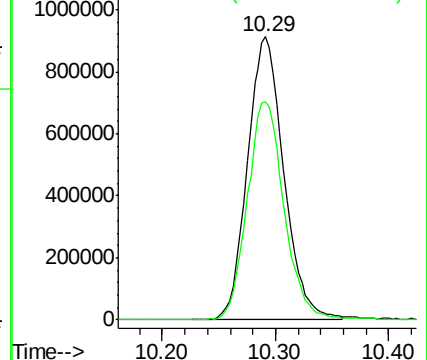
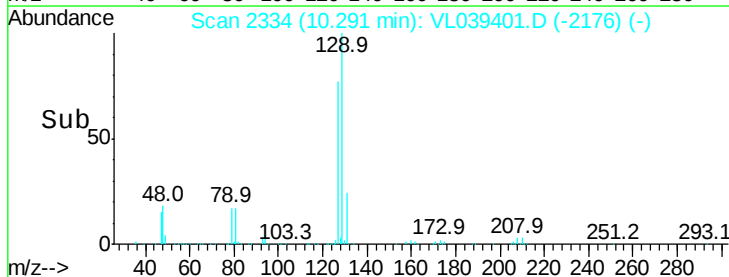
129 100

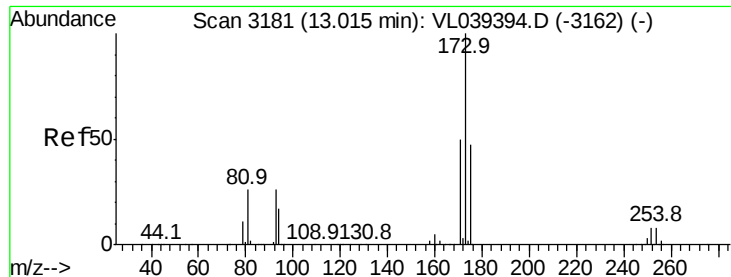
127 78.9 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.82 ppbv

RT: 13.03

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

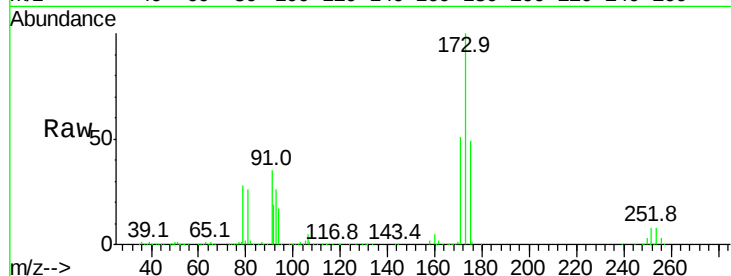
Tgt Ion: 173 Resp: 1713947

Ion Ratio Lower Upper

173 100

175 50.9 40.3 60.5

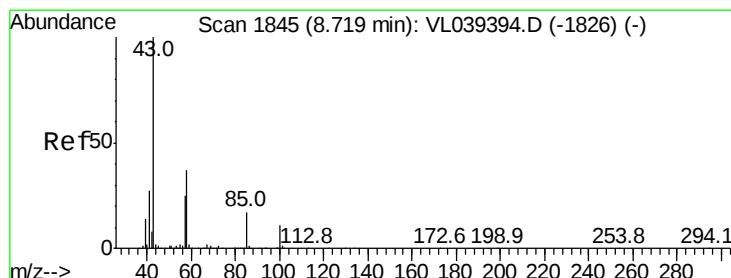
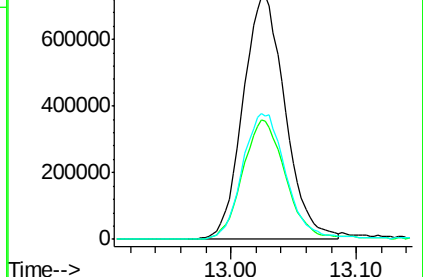
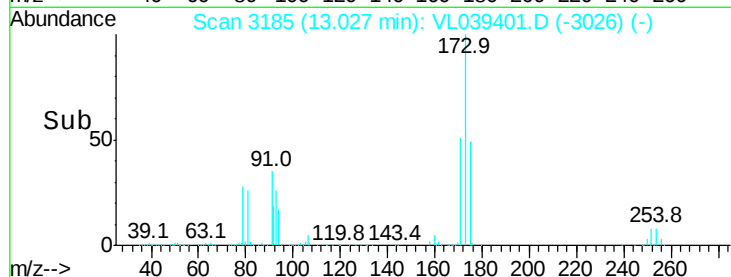
171 53.9 42.9 64.3



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: 10.16 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL039401.D

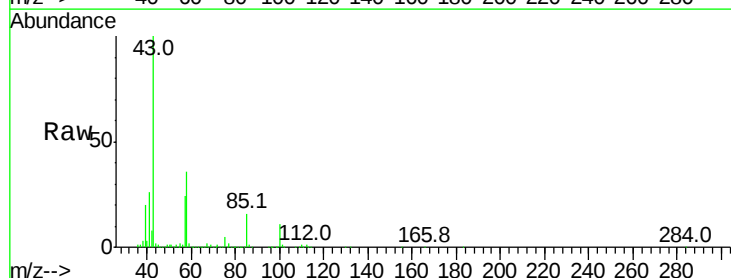
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 2944410

Ion Ratio Lower Upper

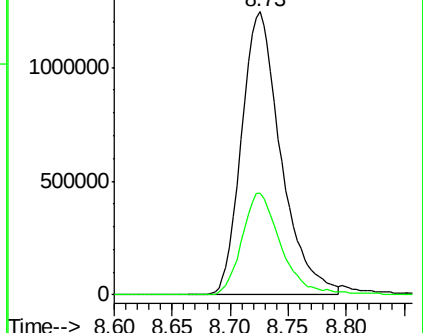
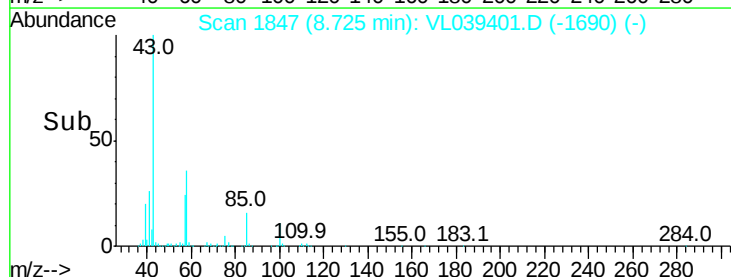
43 100

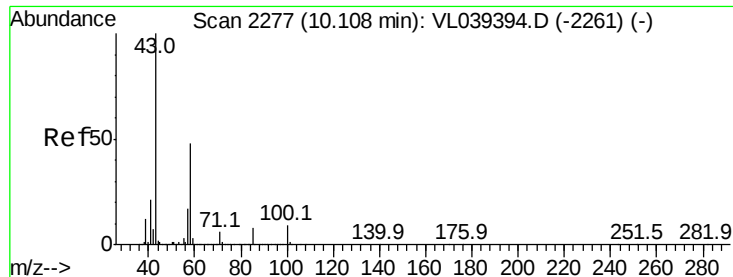
58 36.1 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

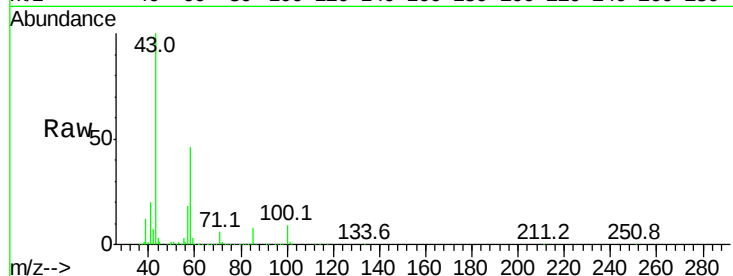




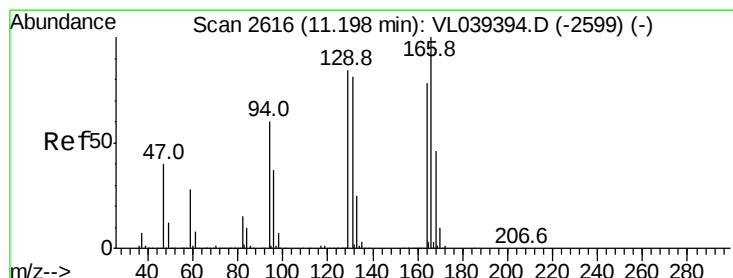
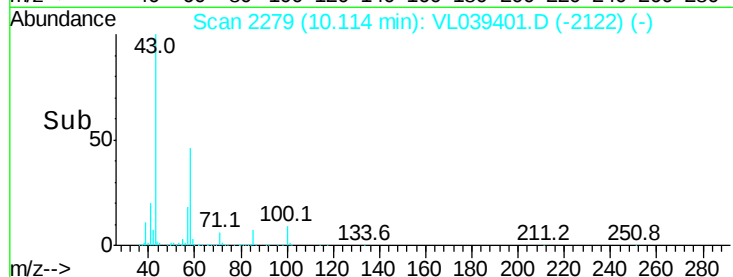
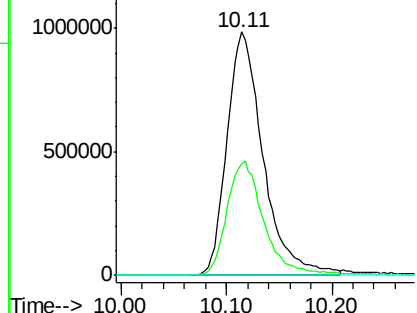
#51  
2-Hexanone  
Concen: 10.66 ppbv  
RT: 10.11 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
ICVVL062922  
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 2336542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 48.3  | 38.4  | 57.6  |
| 98  | 0.1   | 0.3   | 0.5#  |



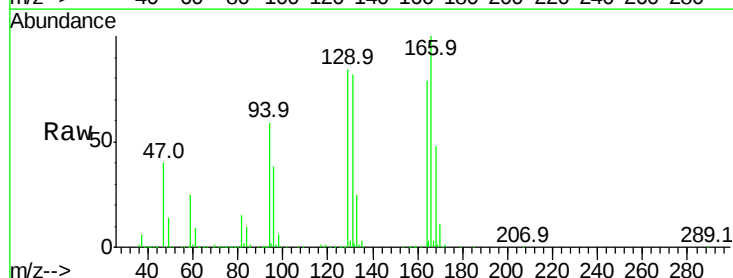
Abundance Ion 43.10 (42.80 to 43.80): VL0  
Ion 58.10 (57.80 to 58.80): VL0  
Ion 98.20 (97.90 to 98.90): VL0



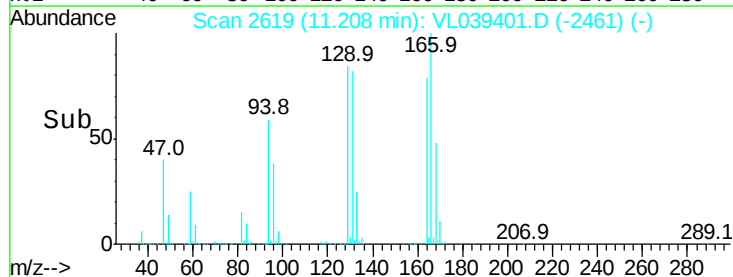
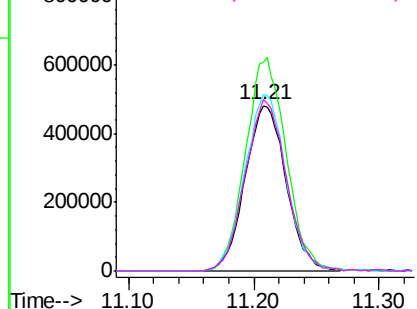
#52  
Tetrachloroethene  
Concen: 9.20 ppbv  
RT: 11.21 min Scan# 2619  
Delta R.T.: 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

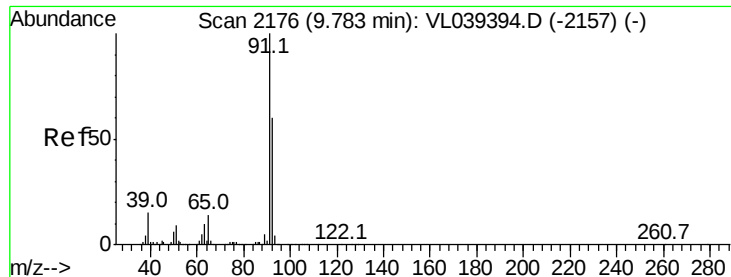
Tgt Ion: 164 Resp: 1091717

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 126.3 | 102.2 | 153.2 |
| 129 | 106.7 | 85.8  | 128.8 |
| 131 | 104.0 | 83.3  | 124.9 |



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: 9.91 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

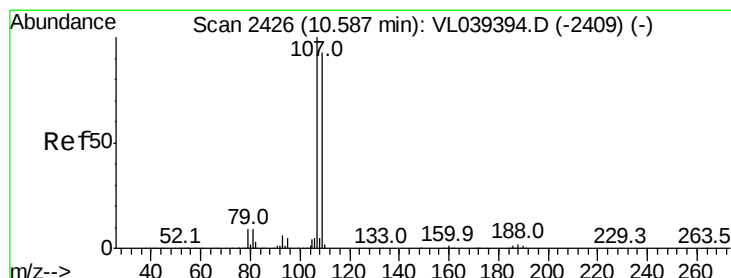
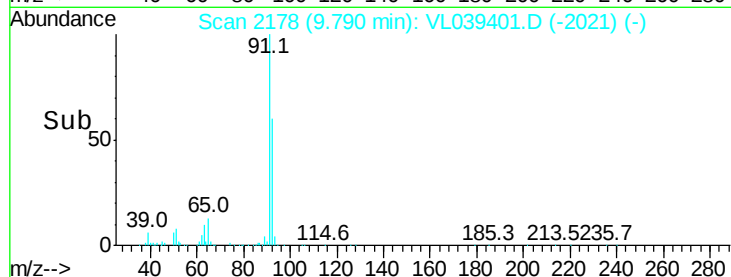
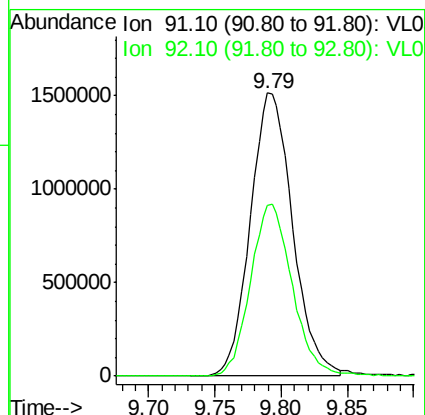
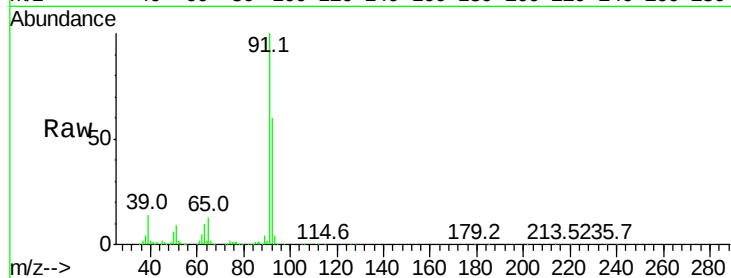
Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 3368075

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.07 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL039401.D

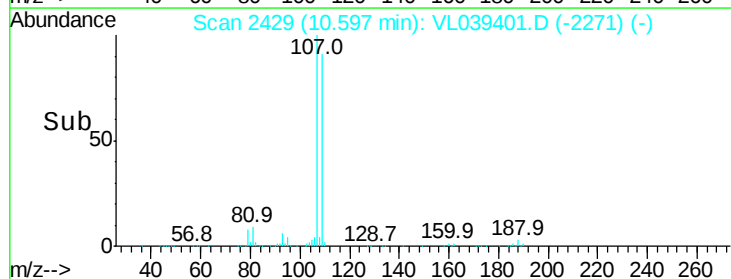
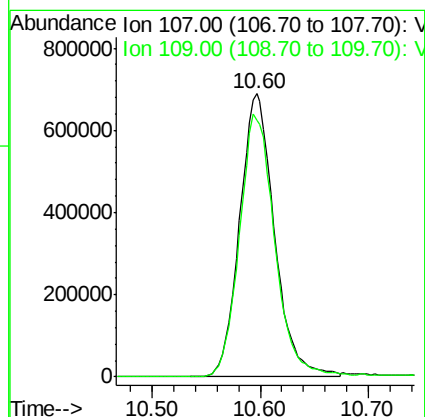
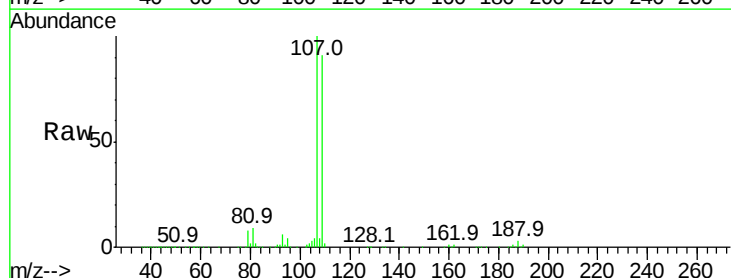
Acq: 29 Jun 2022 17:30

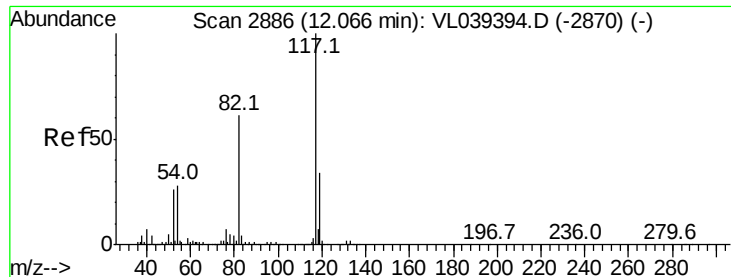
Tgt Ion: 107 Resp: 1547831

Ion Ratio Lower Upper

107 100

109 90.8 74.8 112.2

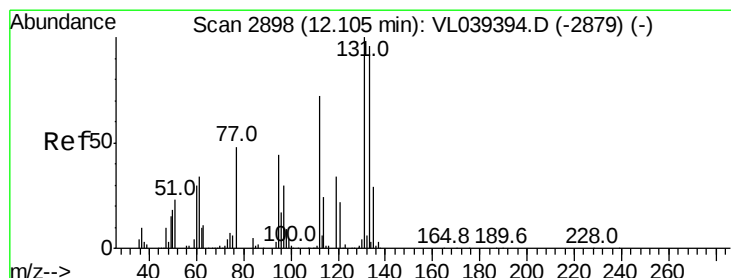
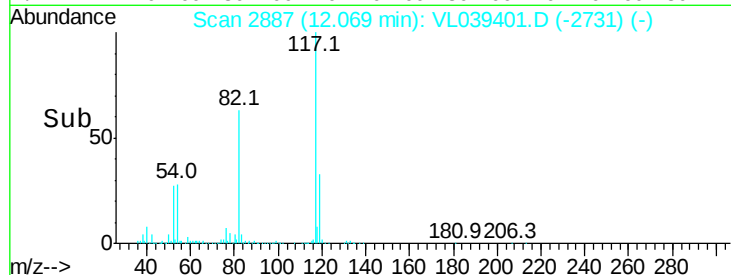
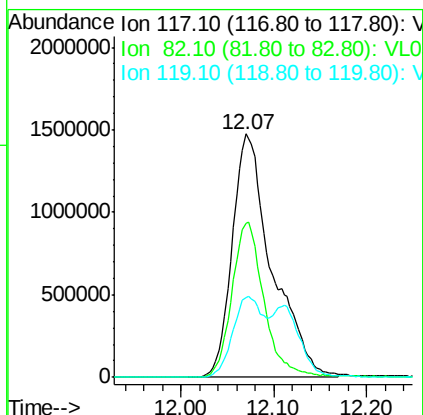
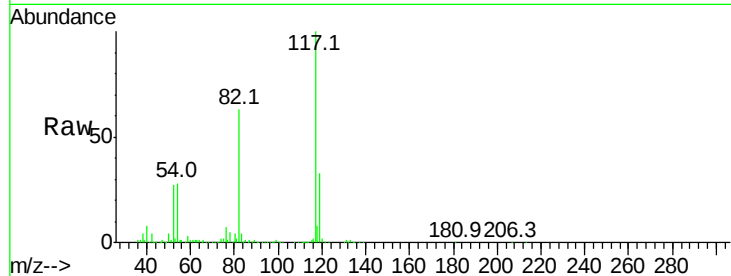




#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 12.07 min  
Instrument: MSVOA\_1  
Delta R.T.: 0.01 min  
Lab File: VL039401.D  
Client Sample ID: ICVVL062922  
Acq: 29 Jun 2022 17:30

Tgt Ion: 117 Resp: 4388143

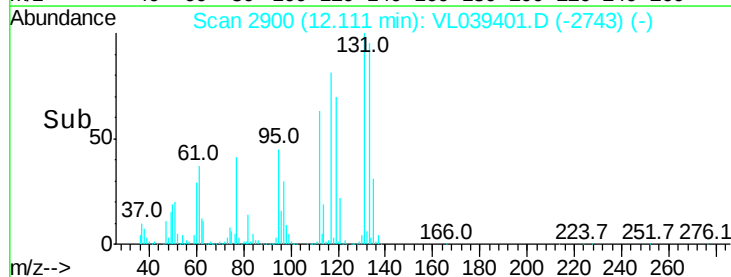
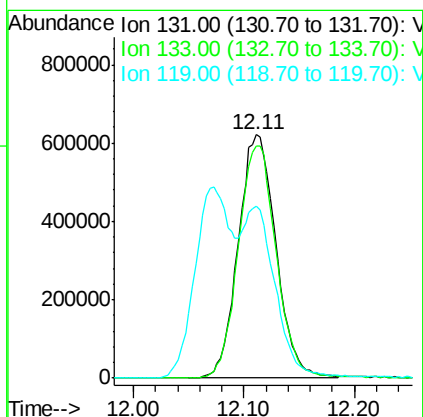
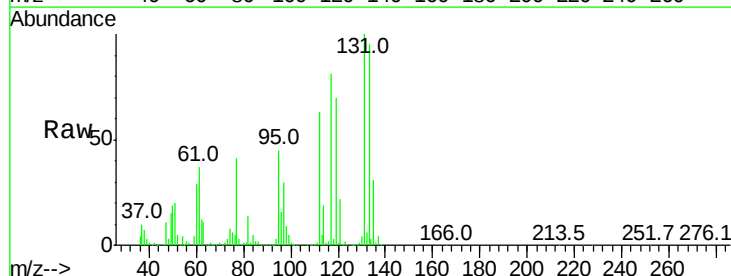
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 51.8  | 50.8  | 76.2  |
| 119 | 47.4  | 24.1  | 36.1# |

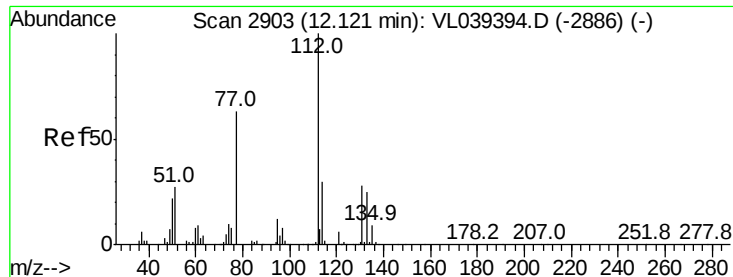


#56  
1,1,1,2-Tetrachloroethane  
Concen: 7.57 ppbv  
RT: 12.11 min Scan# 2900  
Delta R.T.: 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

Tgt Ion: 131 Resp: 1467714

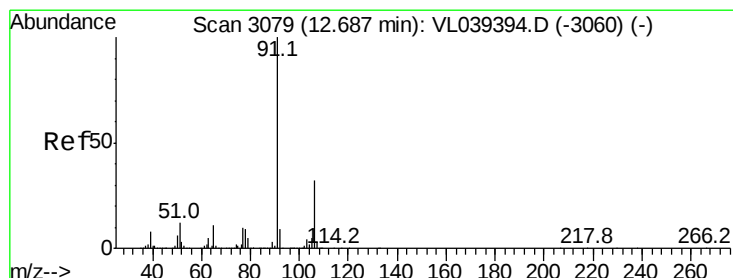
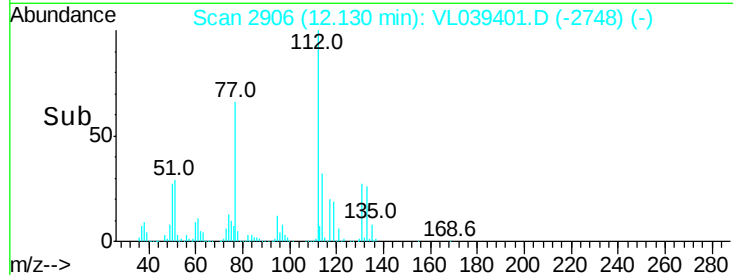
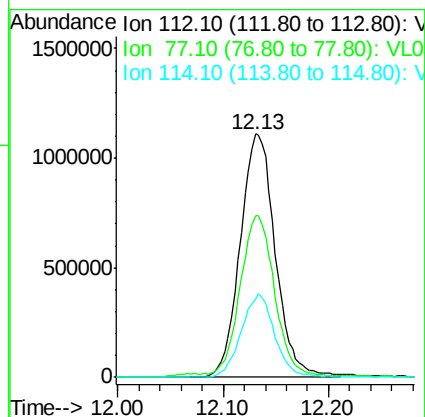
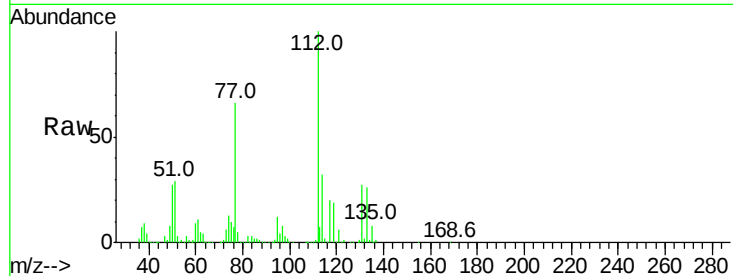
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100   |       |       |
| 133 | 97.0  | 76.8  | 115.2 |
| 119 | 141.7 | 46.2  | 69.4# |





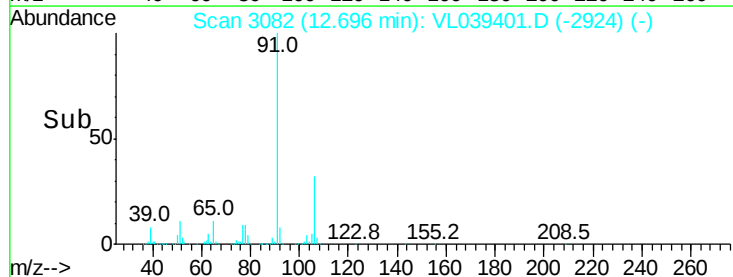
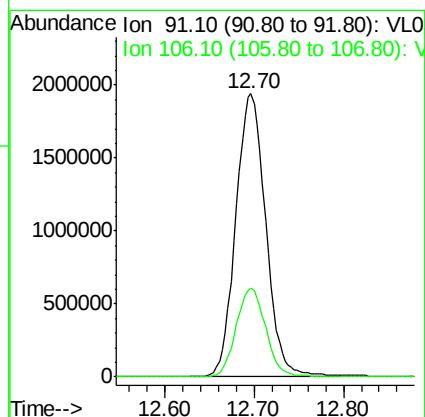
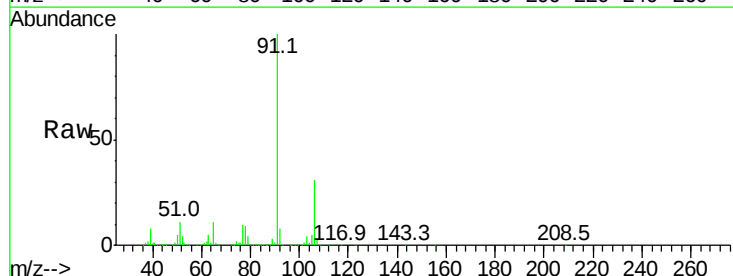
#57  
Chlorobenzene  
Concen: 7.53 ppbv  
RT: 12.13 min  
Instrument: MSVOA\_1  
Delta R.T.: 0.01 min  
Lab File: ClientSampleId :  
Acq: 29 Jun 2022 17:30

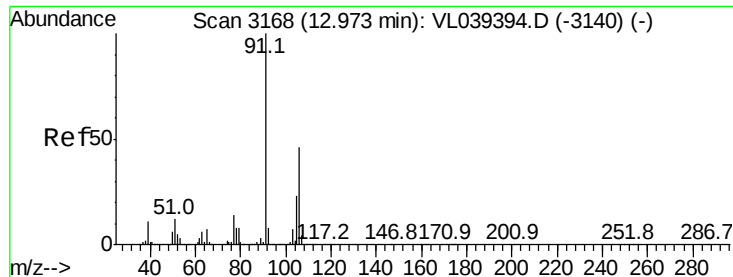
Tgt Ion: 112 Resp: 2562251  
Ion Ratio Lower Upper  
112 100  
77 65.6 51.0 76.4  
114 32.3 27.5 33.6



#58  
Ethyl Benzene  
Concen: 8.01 ppbv  
RT: 12.70 min Scan# 3082  
Delta R.T.: 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

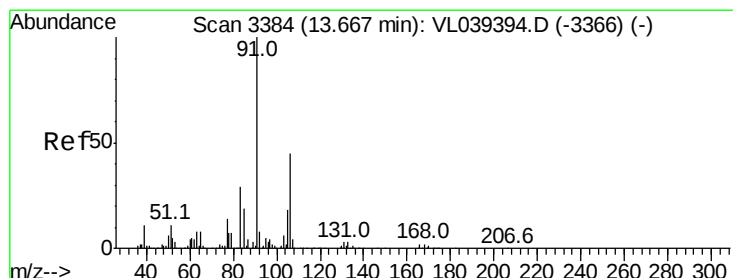
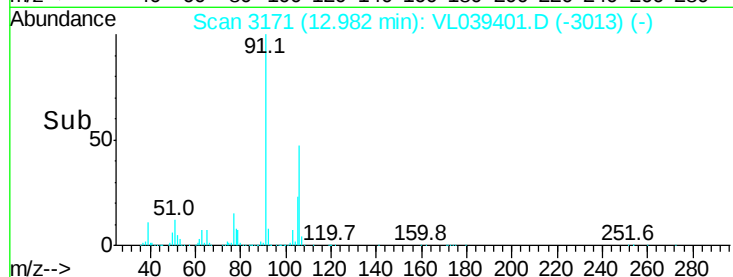
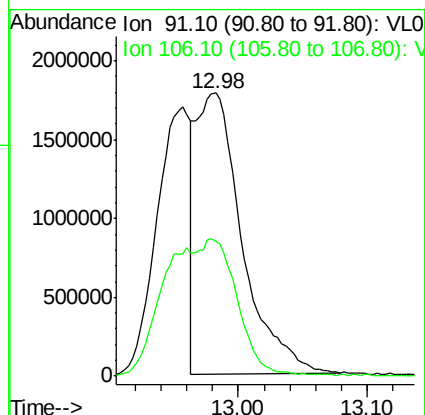
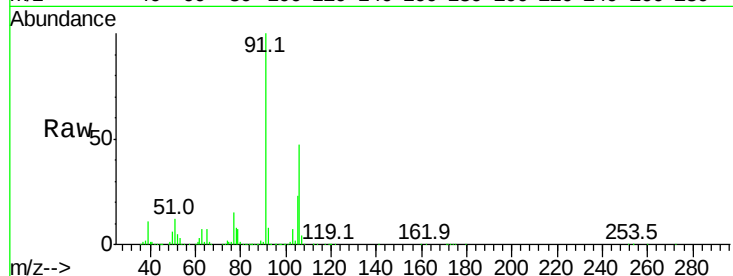
Tgt Ion: 91 Resp: 4536119  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.4 38.0





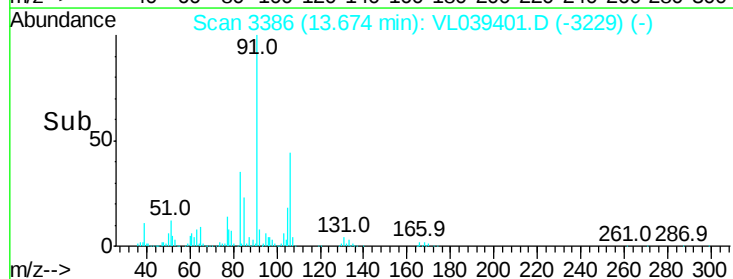
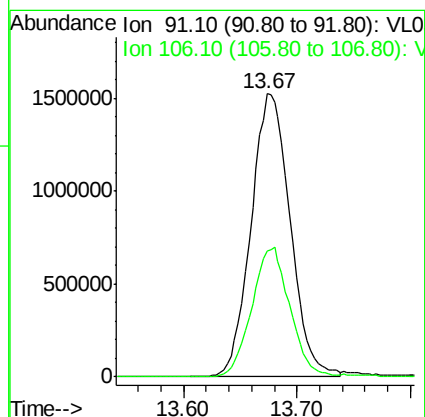
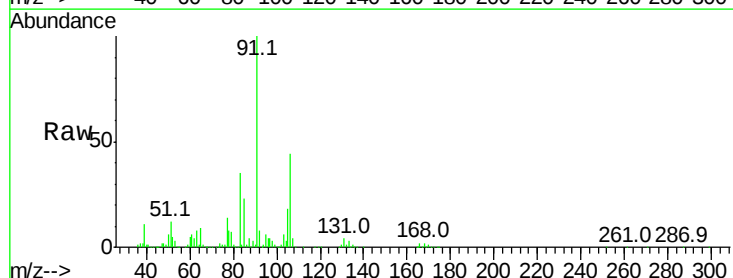
#59  
m/p-Xylene  
Concen: 8.82 ppbv  
RT: 12.98 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 29 Jun 2022 17:30

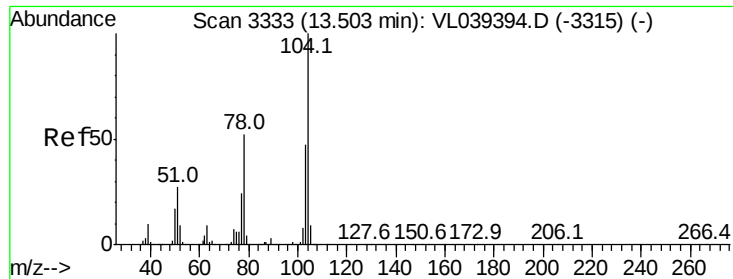
Tgt Ion: 91 Resp: 4406857  
Ion Ratio Lower Upper  
91 100  
106 77.8 35.4 53.2#



#60  
o-Xylene  
Concen: 7.75 ppbv  
RT: 13.67 min Scan# 3386  
Delta R.T. 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

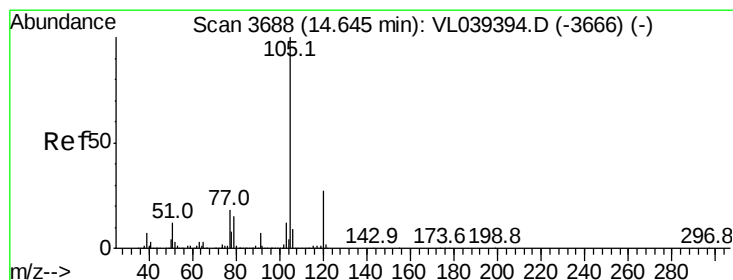
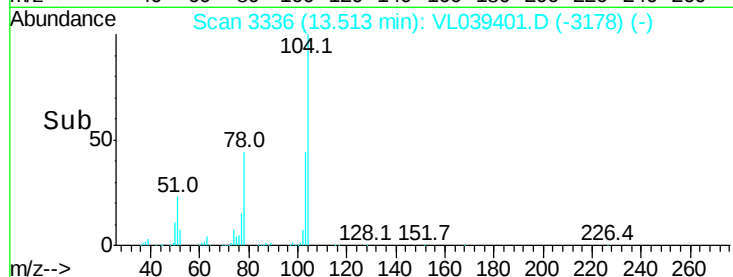
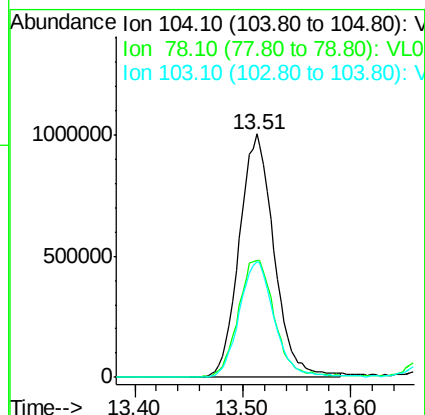
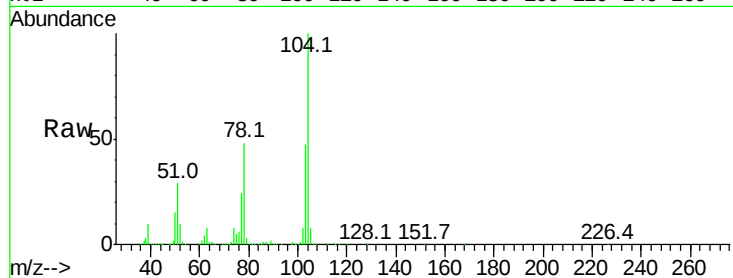
Tgt Ion: 91 Resp: 3665115  
Ion Ratio Lower Upper  
91 100  
106 45.3 22.4 67.3





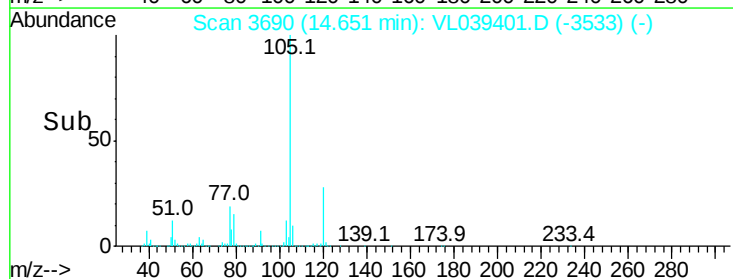
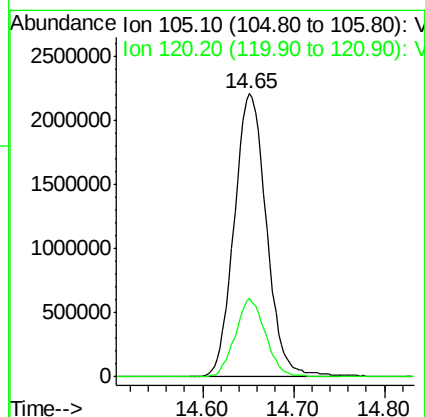
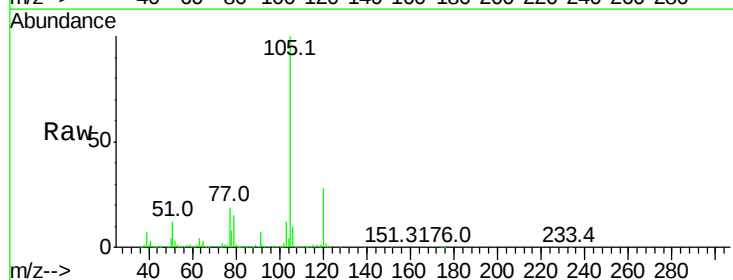
#61  
Styrene  
Concen: 8.82 ppbv  
RT: 13.51  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
ICVVL062922  
Acq: 29 Jun 2022 17:30

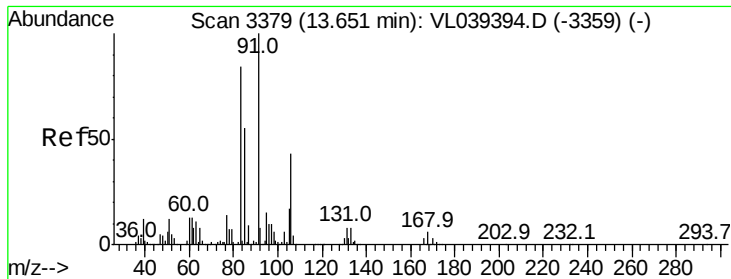
Tgt Ion:104 Resp: 2259434  
Ion Ratio Lower Upper  
104 100  
78 50.6 41.2 61.8  
103 48.2 38.7 58.1



#62  
Isopropylbenzene  
Concen: 7.55 ppbv  
RT: 14.65 min Scan# 3690  
Delta R.T. 0.01 min  
Lab File: VL039401.D  
Acq: 29 Jun 2022 17:30

Tgt Ion:105 Resp: 5440021  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.7 31.1

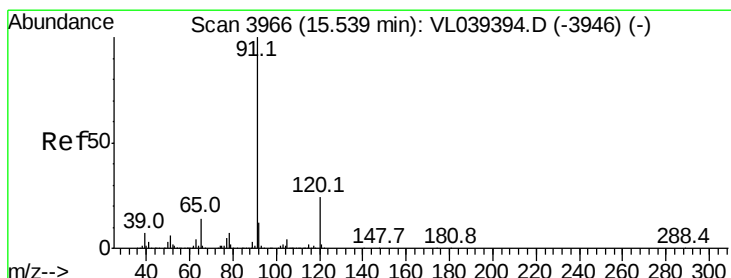
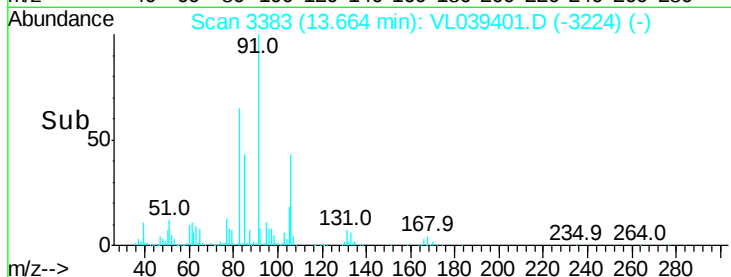
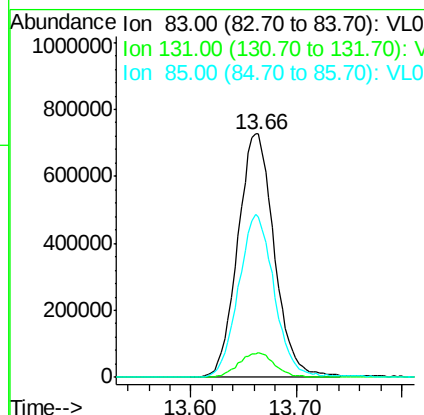
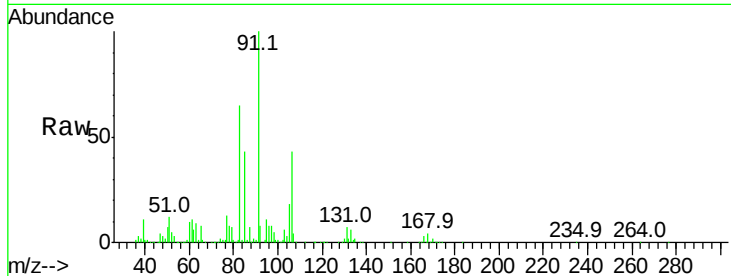




#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 7.04 ppbv  
 RT: 13.66  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 83 Resp: 1745931

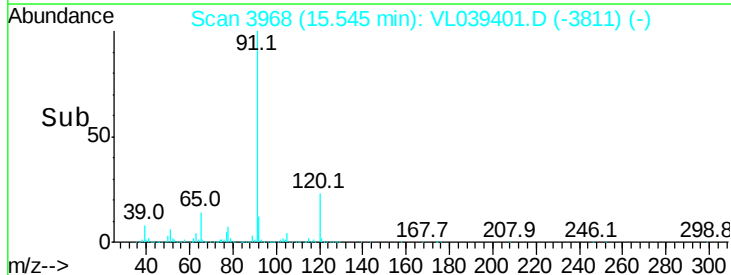
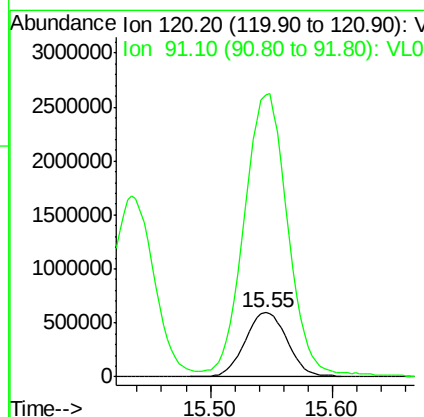
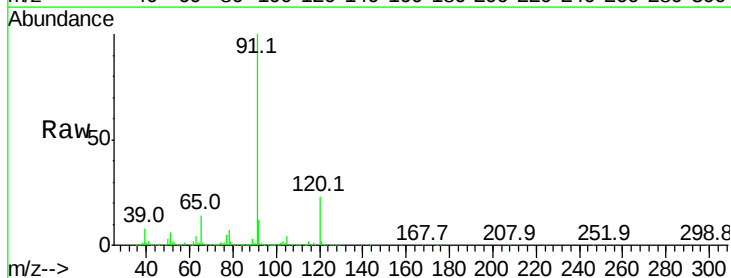
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.1  | 5.3   | 15.8  |
| 85  | 66.2  | 33.1  | 99.5  |

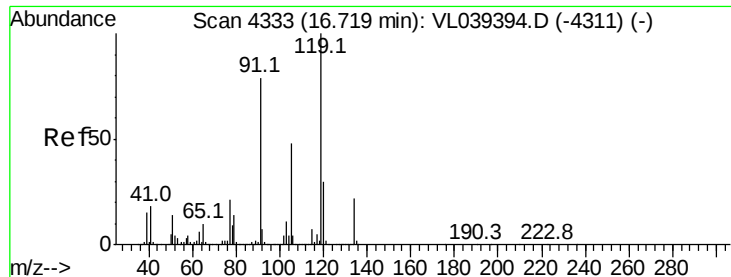


#64  
 n-propylbenzene  
 Concen: 7.84 ppbv  
 RT: 15.55 min Scan# 3968  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 120 Resp: 1430555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 120 | 100   |       |       |
| 91  | 457.9 | 367.2 | 550.8 |

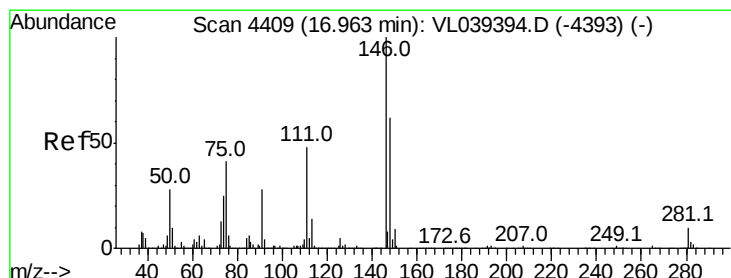
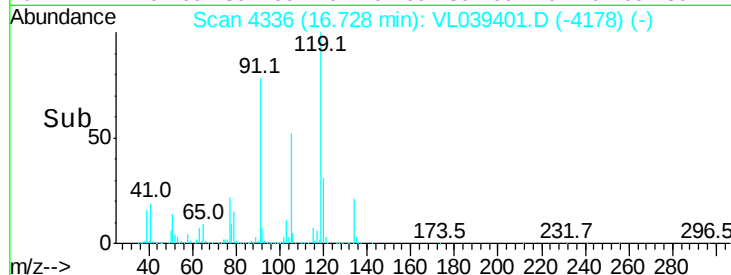
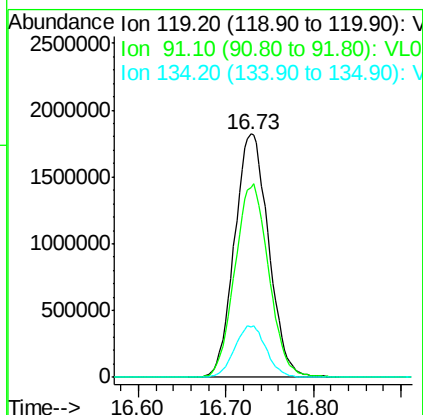
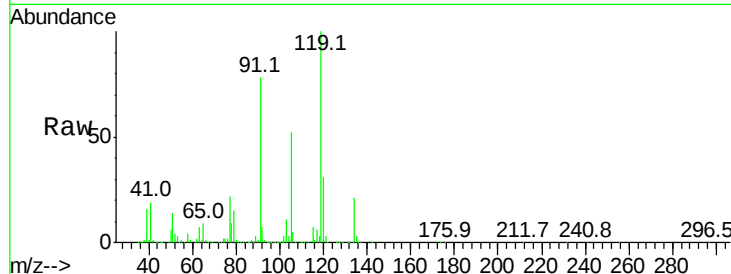




#65  
 tert-Butylbenzene  
 Concen: 7.41 ppbv  
 RT: 16.73 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 119 Resp: 4929781

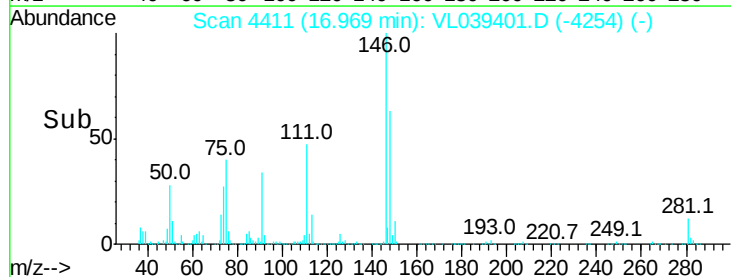
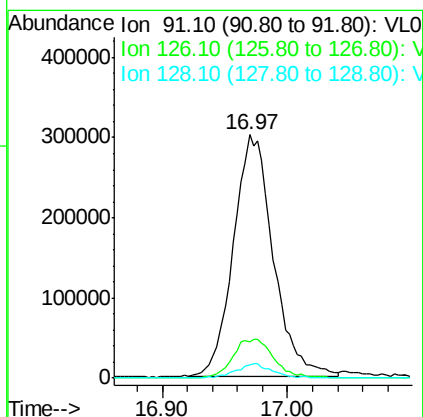
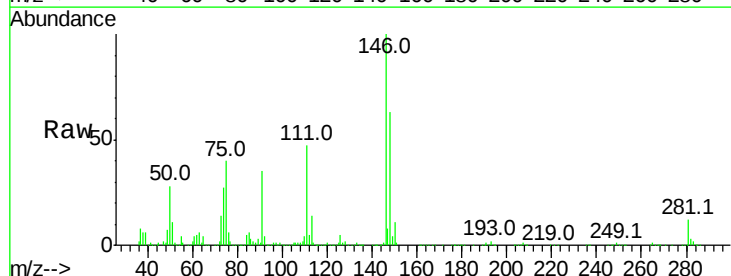
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 79.4  | 63.4  | 95.2  |
| 134 | 19.8  | 15.9  | 23.9  |

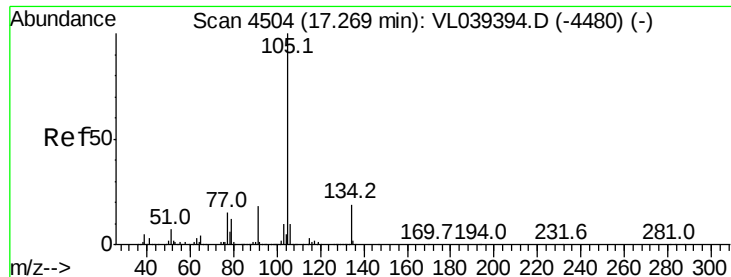


#66  
 Benzyl Chloride  
 Concen: 10.49 ppbv  
 RT: 16.97 min Scan# 4411  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 663583

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 17.0  | 13.1  | 19.7  |
| 128 | 5.4   | 4.4   | 6.6   |





#67

sec-Butylbenzene

Concen: 7.55 ppbv

RT: 17.28

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

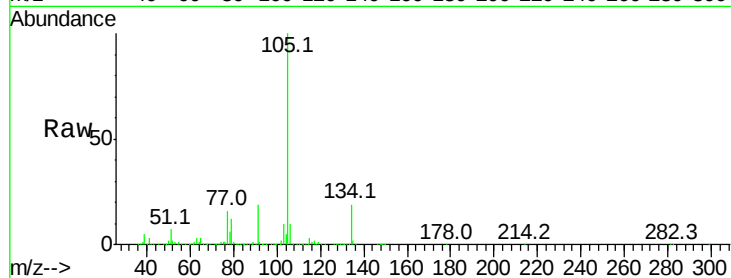
Acq: 29 Jun 2022 17:30

Tgt Ion: 105 Resp: 6770589

Ion Ratio Lower Upper

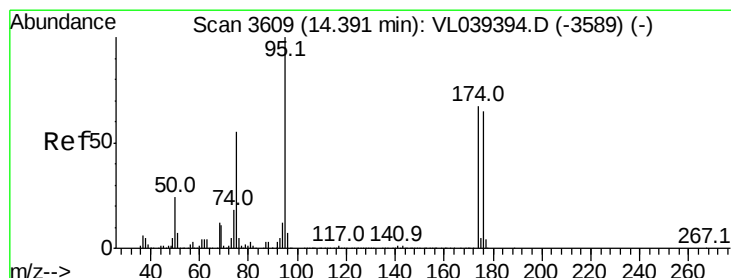
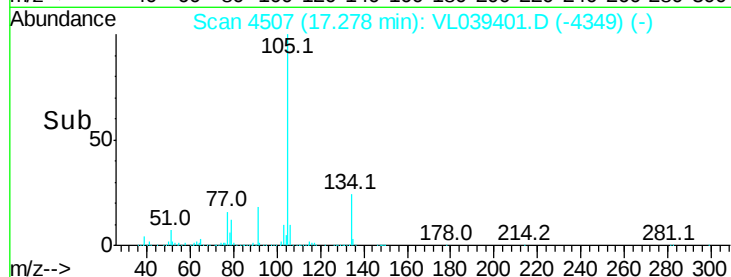
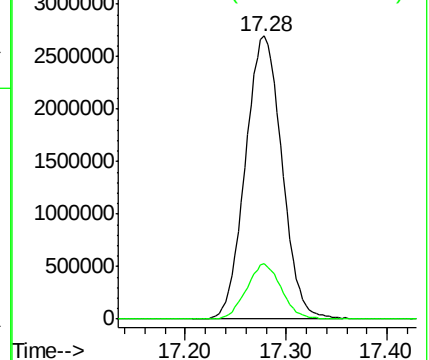
105 100

134 18.7 14.8 22.2



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: 8.20 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

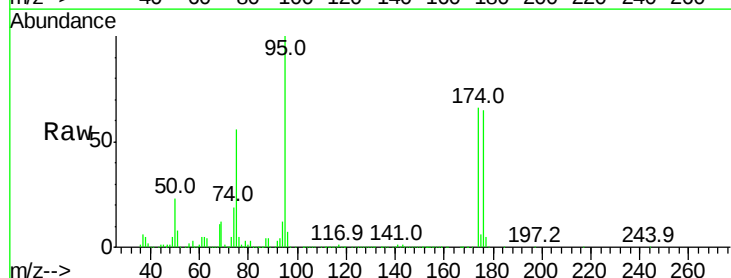
Tgt Ion: 95 Resp: 2668214

Ion Ratio Lower Upper

95 100

174 70.2 55.9 83.9

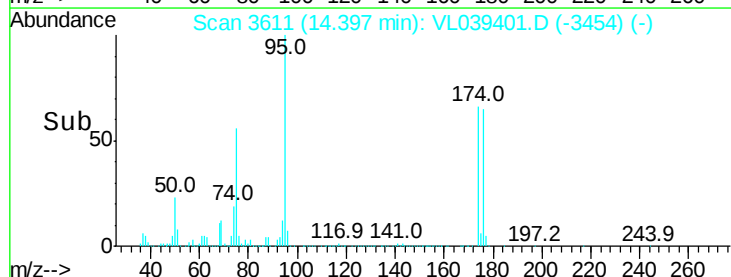
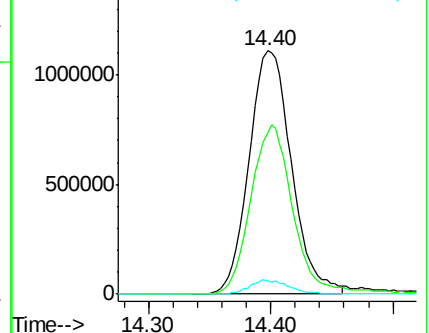
175 5.4 4.2 6.4

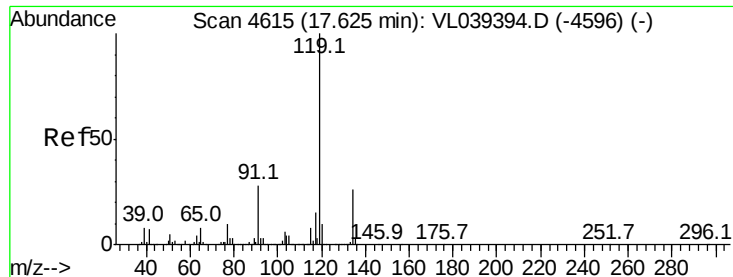


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

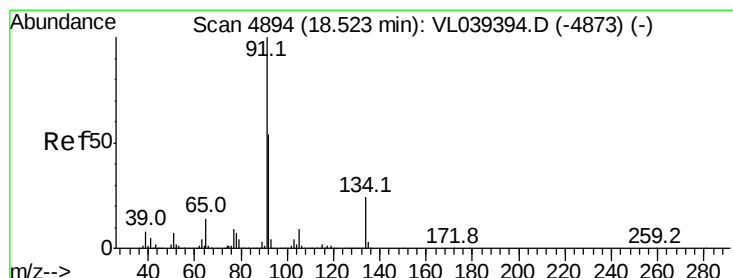
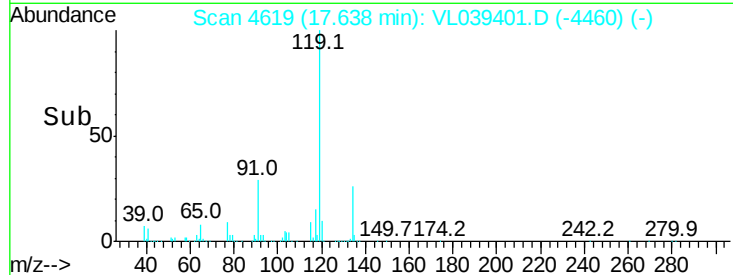
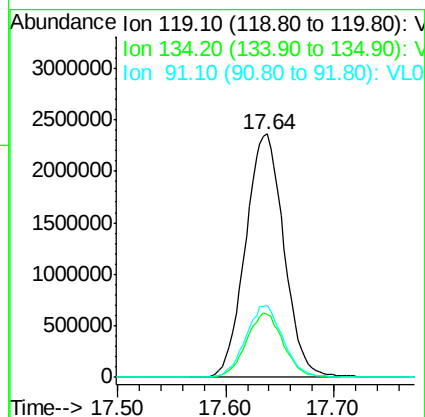
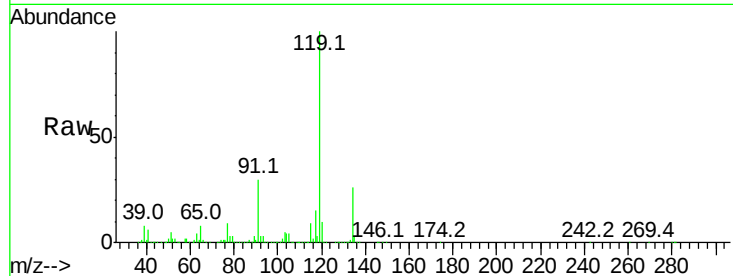




#69  
 p-Isopropyltoluene  
 Concen: 7.66 ppbv  
 RT: 17.64 min  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 119 Resp: 5829748

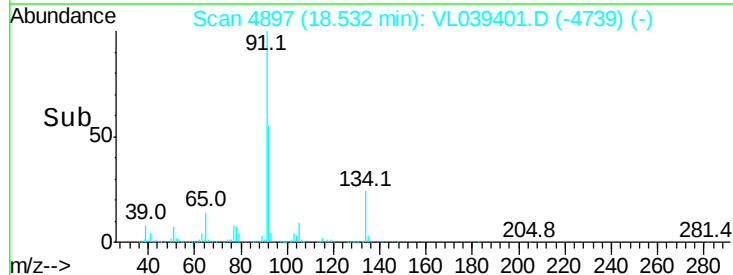
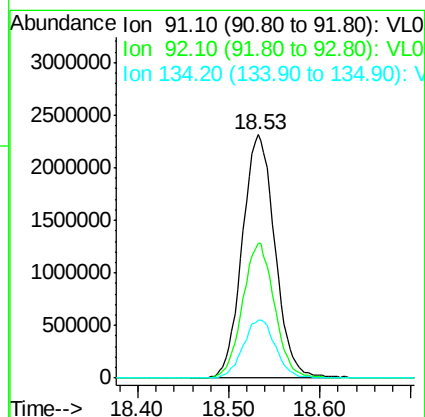
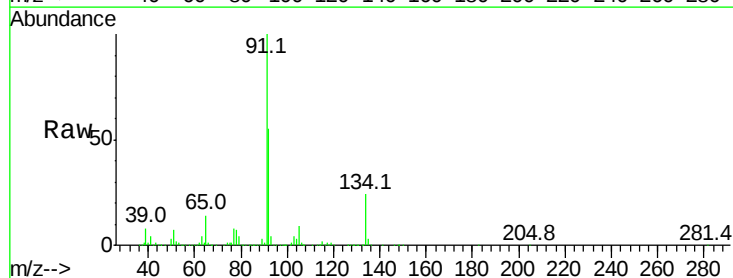
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 134 | 25.4  | 20.3  | 30.5  |
| 91  | 28.6  | 22.9  | 34.3  |

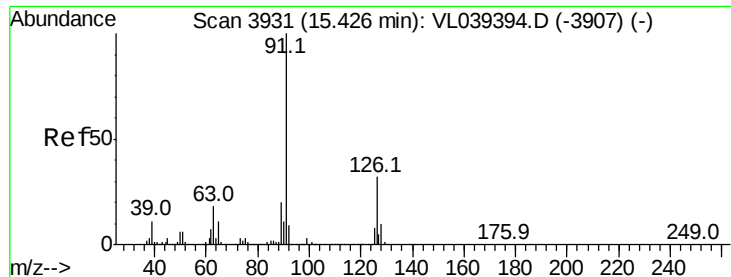


#70  
 n-Butylbenzene  
 Concen: 7.81 ppbv  
 RT: 18.53 min Scan# 4897  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 5764023

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 54.5  | 43.4  | 65.2  |
| 134 | 23.9  | 18.9  | 28.3  |





#71

2-Chlorotoluene

Concen: 7.78 ppbv

RT: 15.44

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

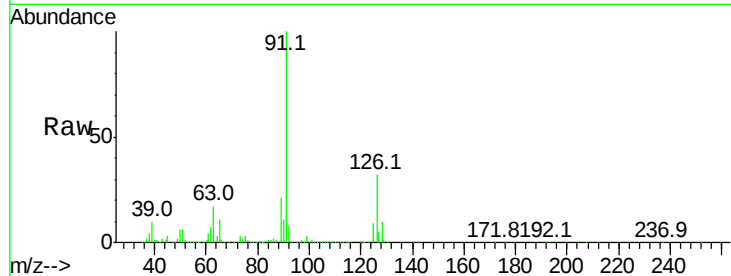
Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 4011363

Ion Ratio Lower Upper

91 100

126 32.6 13.0 51.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

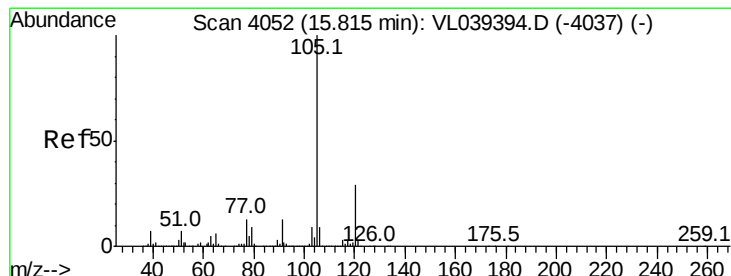
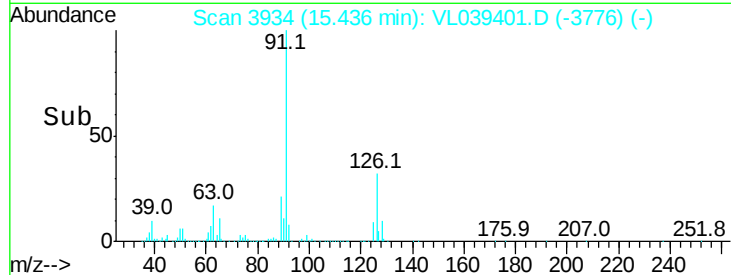
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.01 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 105 Resp: 4455746

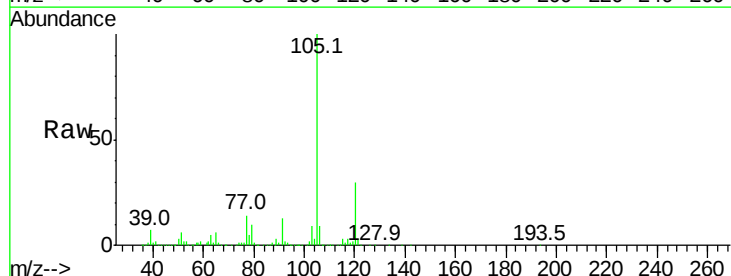
Ion Ratio Lower Upper

105 100

120 30.0 24.2 36.2

91 12.9 10.2 15.4

77 13.5 11.1 16.7



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

3000000

2500000

2000000

1500000

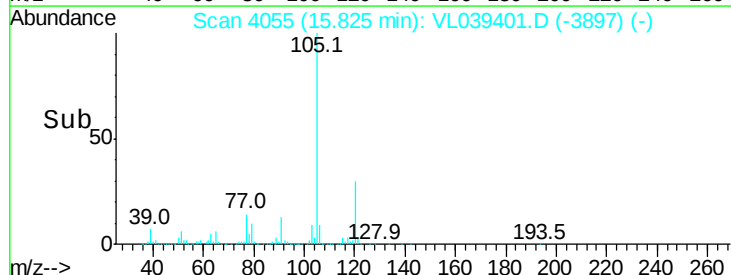
1000000

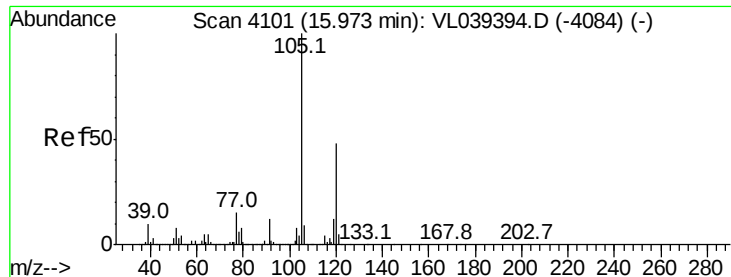
500000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.97 ppbv

RT: 15.98

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

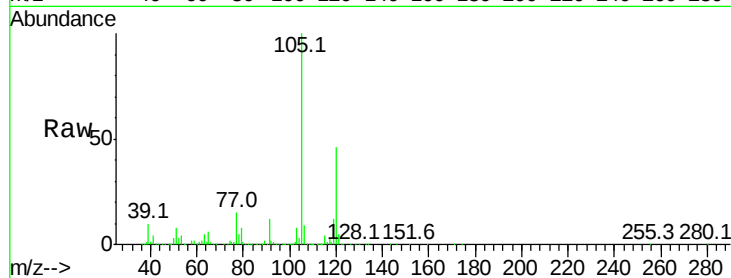
Acq: 29 Jun 2022 17:30

Tgt Ion:105 Resp: 4069310

Ion Ratio Lower Upper

105 100

120 46.2 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

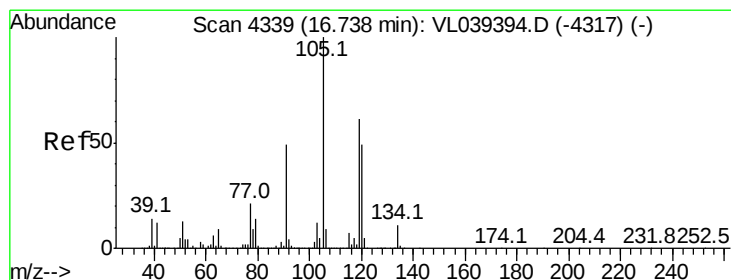
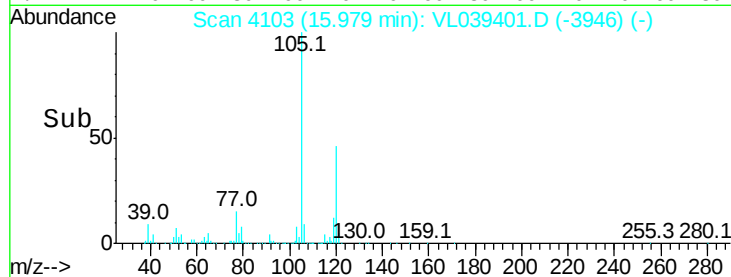
1000000

500000

0

15.90 15.98 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.69 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion:105 Resp: 4345956

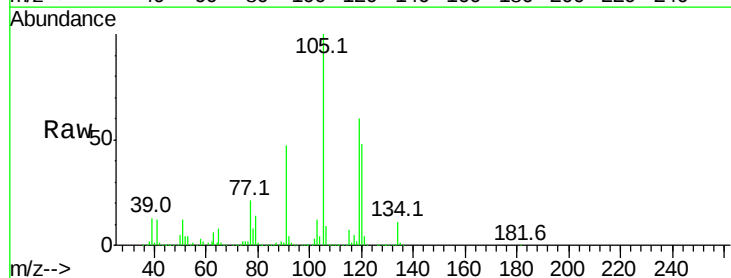
Ion Ratio Lower Upper

105 100

120 48.3 39.5 59.3

91 46.9 39.2 58.8

77 20.8 17.2 25.8



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

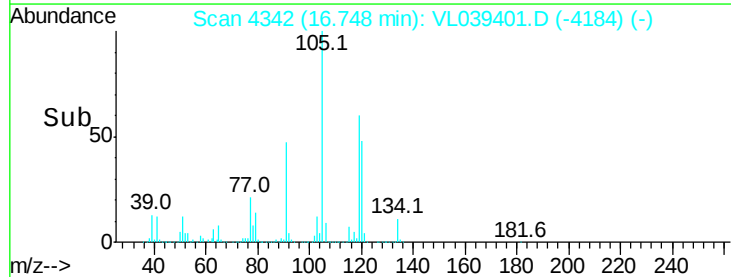
1000000

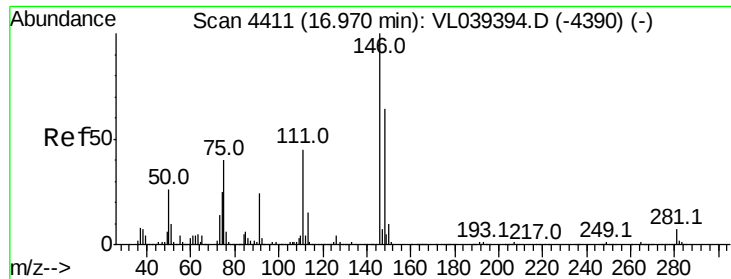
500000

0

16.60 16.70 16.75 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.81 ppbv

RT: 16.98

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

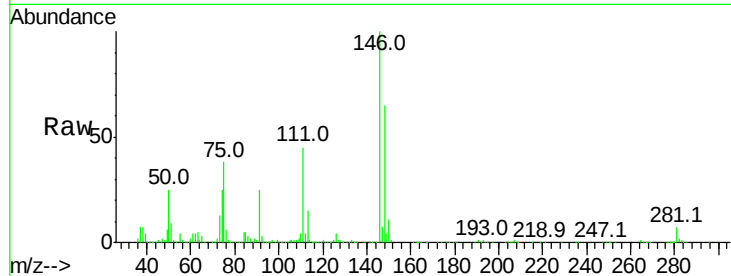
Tgt Ion:146 Resp: 2631605

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

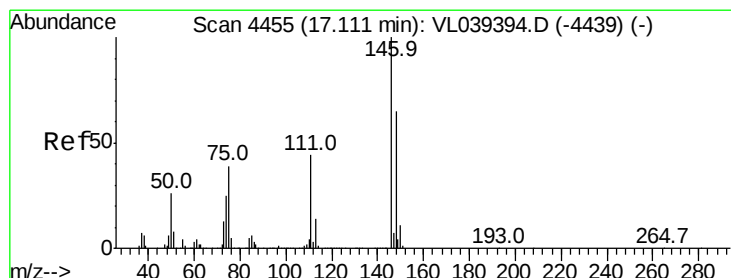
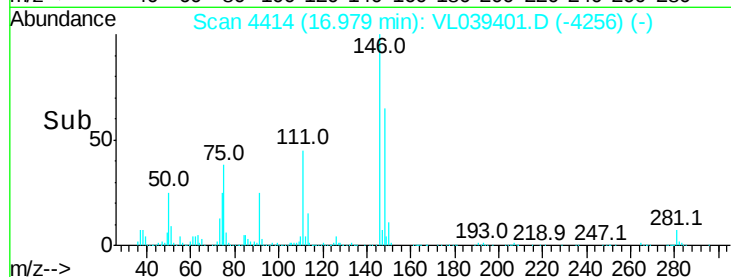
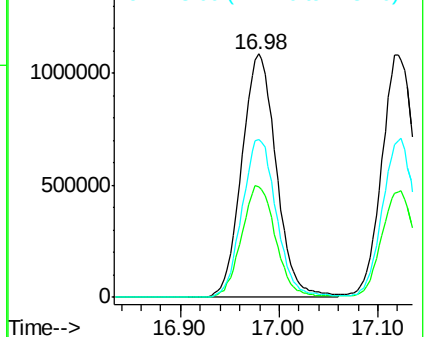
148 64.7 32.1 96.5



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



#76

1,4-Dichlorobenzene

Concen: 7.57 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

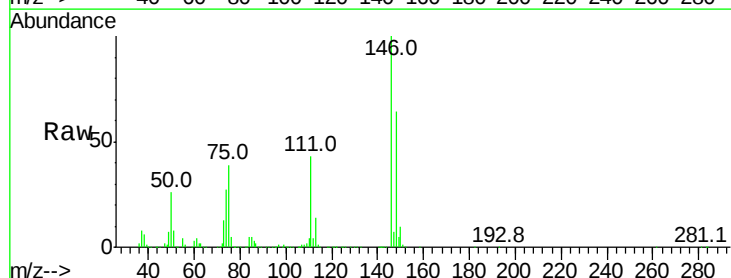
Tgt Ion:146 Resp: 2528811

Ion Ratio Lower Upper

146 100

111 45.7 22.9 68.8

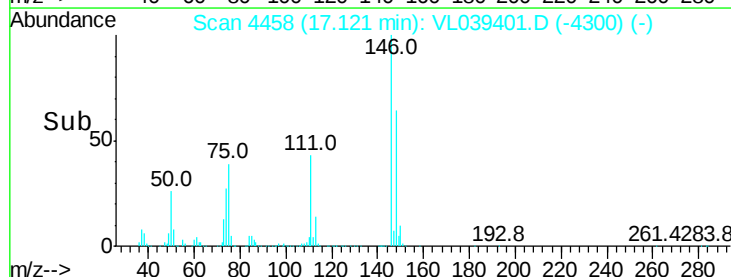
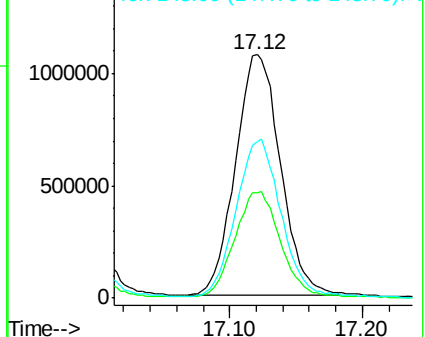
148 67.2 33.6 100.8

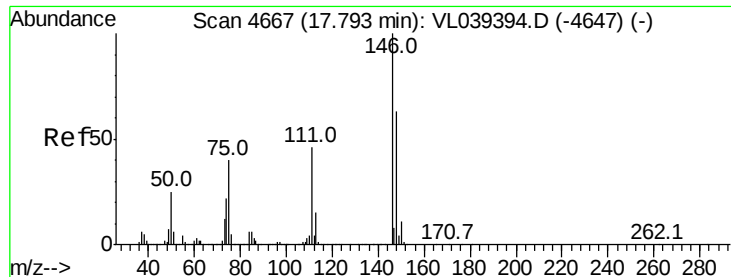


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

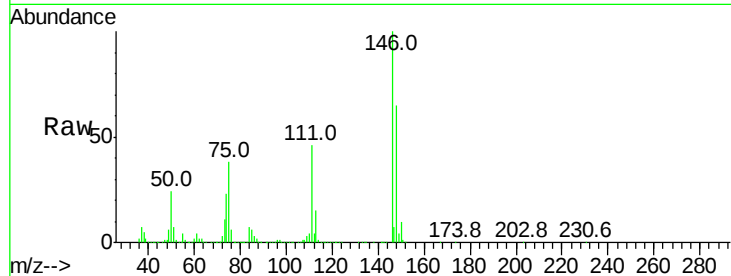
Ion 148.00 (147.70 to 148.70): V



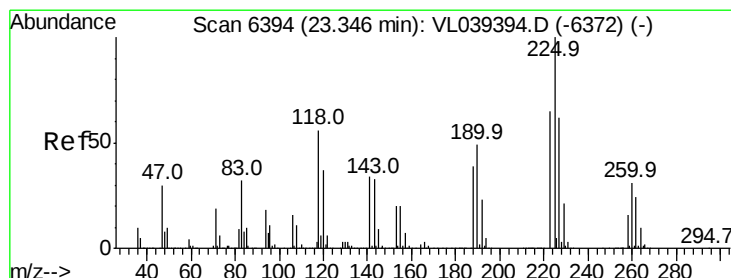
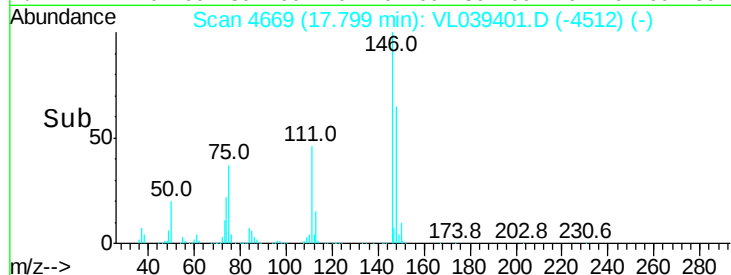
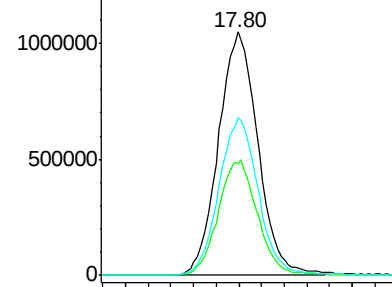


#77  
 1,2-Dichlorobenzene  
 Concen: 7.55 ppbv  
 RT: 17.80 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 ICVVL062922  
 Acq: 29 Jun 2022 17:30

Tgt Ion:146 Resp: 2522357  
 Ion Ratio Lower Upper  
 146 100  
 111 47.4 23.8 71.5  
 148 65.4 32.3 96.8

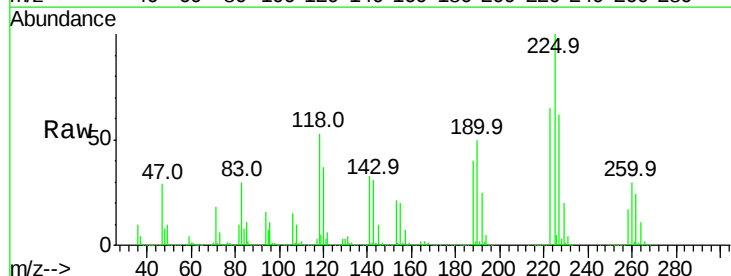


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.10 (110.80 to 111.80): V  
 Ion 148.00 (147.70 to 148.70): V

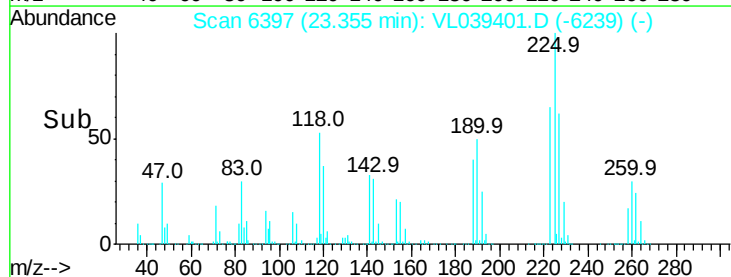
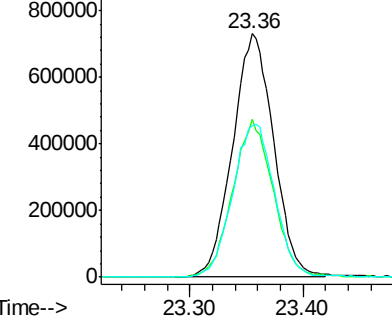


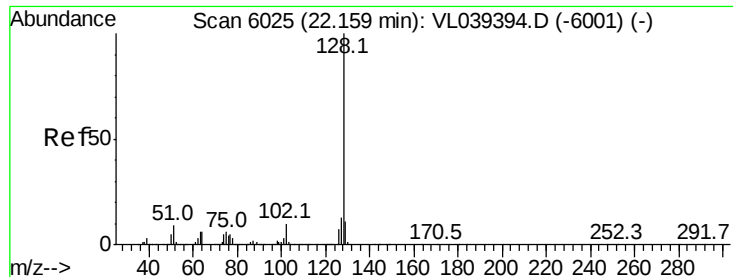
#78  
 Hexachloro-1,3-Butadiene  
 Concen: 6.86 ppbv  
 RT: 23.36 min Scan# 6397  
 Delta R.T. 0.01 min  
 Lab File: VL039401.D  
 Acq: 29 Jun 2022 17:30

Tgt Ion:225 Resp: 1843699  
 Ion Ratio Lower Upper  
 225 100  
 223 63.8 51.8 77.6  
 227 64.8 51.4 77.2



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: 9.52 ppbv

RT: 22.17 min

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30

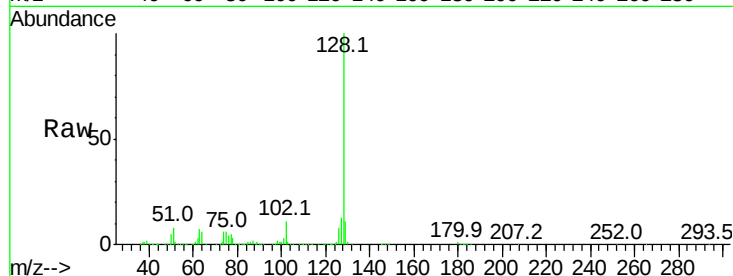
Tgt Ion:128 Resp: 3702459

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

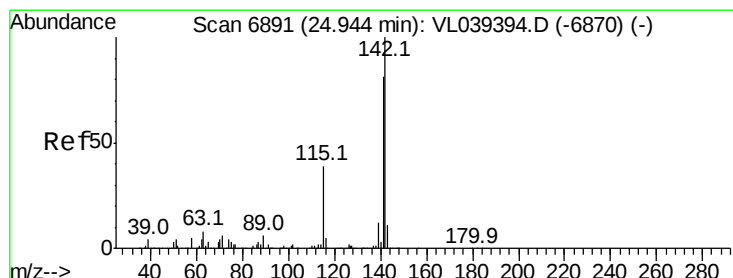
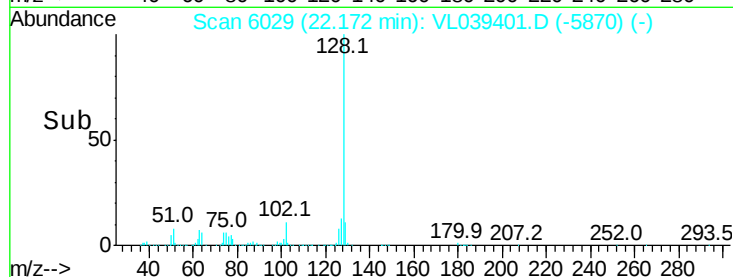
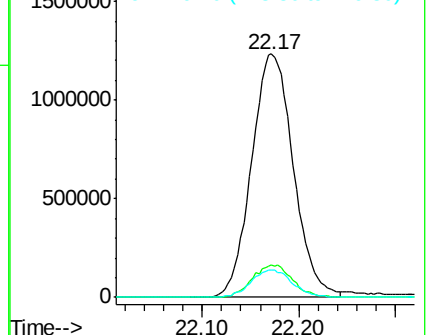
129 11.3 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.43 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

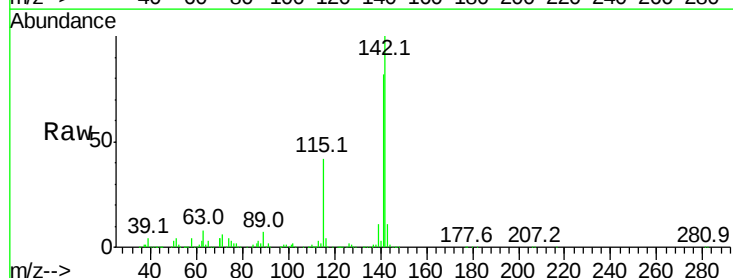
Tgt Ion:142 Resp: 1380636

Ion Ratio Lower Upper

142 100

141 83.6 68.9 103.3

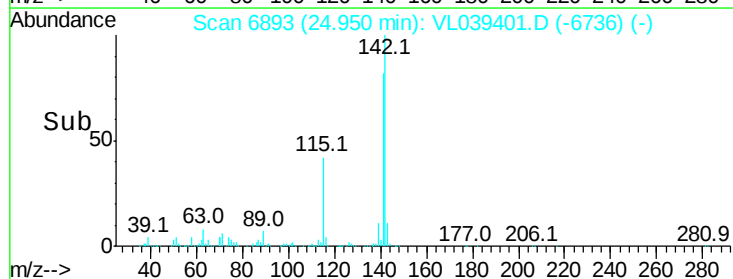
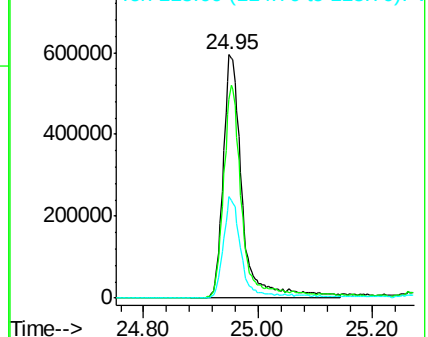
115 38.7 30.0 45.0

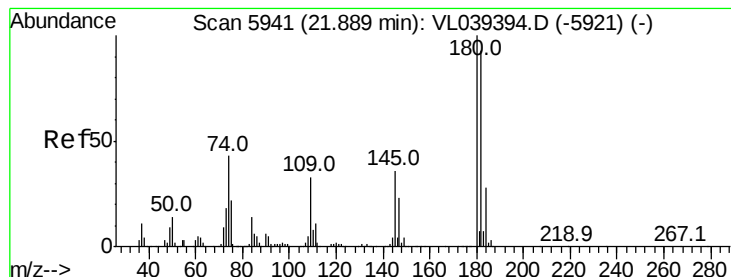


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.11 ppbv

RT: 21.90

Delta R.T: MSVOA\_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

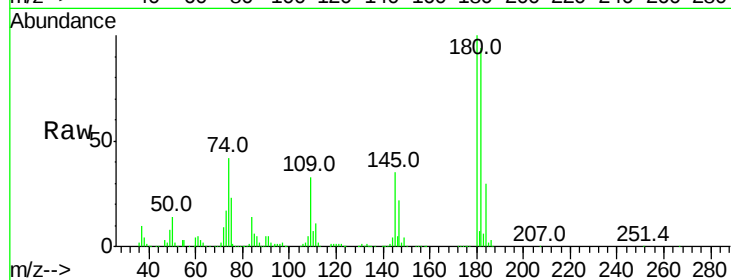
Tgt Ion:180 Resp: 2053729

Ion Ratio Lower Upper

180 100

182 99.0 77.1 115.7

184 31.1 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

