

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100721\  
 Data File : VL037798.D  
 Acq On : 7 Oct 2021 15:49  
 Operator : SY/AP  
 Sample : VL1007ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Manual Integrations  
 APPROVED

apatel  
 10/14/2021 1:19:41 PM

Quant Time: Oct 08 10:36:08 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 0  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1252297  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3689017  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3358230m | 10.00 | ppbv  | -0.02    |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2375416  | 10.11    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.10% |

## Target Compounds

|                                |      |     |         |        |        | Qvalue |
|--------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.04 | 85  | 1566611 | 7.832  | ppbv   | 98     |
| 3) Chlorodifluoromethane       | 2.98 | 51  | 2402384 | 9.984  | ppbv   | 99     |
| 4) Chloromethane               | 3.13 | 50  | 868072  | 9.850  | ppbv   | 98     |
| 5) Vinyl Chloride              | 3.25 | 62  | 839500  | 10.391 | ppbv   | 98     |
| 6) Bromomethane                | 3.46 | 94  | 467603  | 10.700 | ppbv   | 94     |
| 7) Chloroethane                | 3.55 | 64  | 313370  | 10.549 | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane   | 3.18 | 85  | 1952047 | 9.873  | ppbv   | 98     |
| 9) Propene                     | 3.00 | 41  | 845123  | 9.545  | ppbv   | 99     |
| 10) Heptane                    | 8.10 | 43  | 2193462 | 10.909 | ppbv   | 100    |
| 11) Trichlorofluoromethane     | 3.94 | 101 | 1822296 | 10.211 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47 | 101 | 1356855 | 10.035 | ppbv   | 99     |
| 13) Ethanol                    | 3.59 | 45  | 88734m  | 12.255 | ppbv   |        |
| 14) Bromoethene                | 3.73 | 108 | 604059  | 10.160 | ppbv   | 100    |
| 15) Acetone                    | 3.84 | 43  | 1057921 | 9.411  | ppbv   | 98     |
| 16) 1,3-Butadiene              | 3.32 | 39  | 874692  | 10.694 | ppbv   | 99     |
| 17) tert-Butyl alcohol         | 4.27 | 59  | 1256761 | 10.855 | ppbv   | 99     |
| 18) 1,1-Dichloroethene         | 4.28 | 96  | 640434  | 10.422 | ppbv   | 97     |
| 19) Isopropyl Alcohol          | 3.95 | 45  | 754081  | 10.782 | ppbv # | 96     |
| 20) Methylene Chloride         | 4.33 | 84  | 518402  | 9.127  | ppbv   | 96     |
| 21) Allyl Chloride             | 4.40 | 41  | 1004688 | 10.088 | ppbv   | 96     |
| 22) trans-1,2-Dichloroethene   | 4.87 | 96  | 653613  | 10.580 | ppbv   | 99     |
| 23) Vinyl Acetate              | 5.06 | 43  | 1757138 | 10.430 | ppbv   | 99     |
| 24) 1,1-Dichloroethane         | 5.00 | 63  | 1305701 | 10.647 | ppbv   | 97     |
| 25) Ethyl Acetate              | 5.66 | 43  | 3403410 | 10.789 | ppbv   | 99     |
| 26) Hexane                     | 5.67 | 57  | 1595232 | 10.270 | ppbv   | 98     |
| 27) Carbon Disulfide           | 4.54 | 76  | 1539995 | 11.187 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether    | 5.02 | 73  | 1386576 | 10.721 | ppbv   | 97     |
| 29) Chloroform                 | 5.74 | 83  | 2278549 | 10.262 | ppbv   | 99     |
| 30) Cyclohexane                | 7.11 | 84  | 1361396 | 10.335 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene     | 5.53 | 61  | 1491933 | 10.580 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane      | 6.50 | 97  | 2220745 | 10.549 | ppbv   | 99     |
| 34) 2-Butanone                 | 5.23 | 43  | 1504026 | 10.099 | ppbv   | 100    |
| 35) Carbon Tetrachloride       | 7.00 | 117 | 2285666 | 10.910 | ppbv   | 100    |
| 36) Benzene                    | 6.87 | 78  | 3316703 | 10.526 | ppbv   | 99     |
| 37) 1,2-Dichloroethane         | 6.29 | 62  | 1624930 | 10.952 | ppbv   | 100    |
| 38) Trichloroethene            | 7.82 | 130 | 1320714 | 10.610 | ppbv   | 97     |
| 39) 1,2-Dichloropropane        | 7.60 | 63  | 1256976 | 10.606 | ppbv   | 97     |
| 40) 1,4-Dioxane                | 7.82 | 88  | 337298m | 11.373 | ppbv   |        |
| 41) Tetrahydrofuran            | 6.03 | 42  | 800352  | 10.975 | ppbv   | 98     |
| 42) Bromodichloromethane       | 7.77 | 83  | 2425010 | 11.128 | ppbv   | 95     |
| 43) Methyl Methacrylate        | 8.00 | 69  | 1206701 | 11.725 | ppbv   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL100721\  
 Data File : VL037798.D  
 Acq On : 7 Oct 2021 15:49  
 Operator : SY/AP  
 Sample : VL1007ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Manual Integrations  
 APPROVED

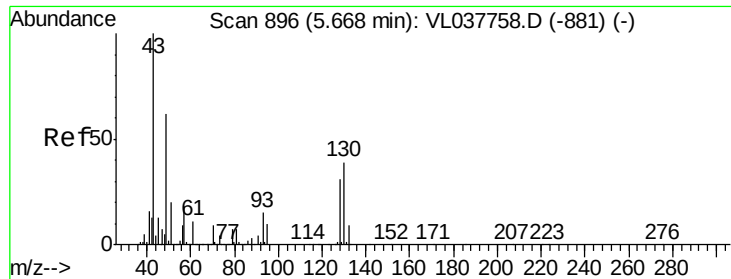
apatel  
 10/14/2021 1:19:41 PM

Quant Time: Oct 08 10:36:08 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 0  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.85  | 57   | 5585170  | 10.550 | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 9.26  | 75   | 902616   | 12.746 | ppbv   | 99       |
| 46) cis-1,3-Dichloropropene   | 8.69  | 75   | 1191574  | 12.140 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 9.46  | 97   | 1368162  | 10.619 | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.28 | 129  | 2144060  | 11.673 | ppbv   | 99       |
| 49) Bromoform                 | 13.02 | 173  | 1728170  | 12.297 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.73  | 43   | 2178895  | 11.239 | ppbv   | 100      |
| 51) 2-Hexanone                | 10.12 | 43   | 1033221  | 11.938 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.20 | 164  | 1237434  | 10.094 | ppbv   | 99       |
| 53) Toluene                   | 9.79  | 91   | 3878467  | 11.107 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.59 | 107  | 1891395  | 10.868 | ppbv   | 94       |
| 56) 1,1,1,2-Tetrachloroethane | 12.10 | 131  | 1489038  | 10.711 | ppbv   | 98       |
| 57) Chlorobenzene             | 12.13 | 112  | 2833572  | 10.286 | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.69 | 91   | 4908919  | 10.886 | ppbv   | 100      |
| 59) m/p-Xylene                | 12.97 | 91   | 8282368m | 21.397 | ppbv   |          |
| 60) o-Xylene                  | 13.67 | 91   | 3906495  | 10.531 | ppbv   | 99       |
| 61) Styrene                   | 13.51 | 104  | 2166649  | 12.075 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.65 | 105  | 5346068  | 10.332 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.65 | 83   | 2769786  | 9.676  | ppbv   | 99       |
| 64) n-propylbenzene           | 15.54 | 120  | 1435040  | 11.122 | ppbv   | 99       |
| 65) tert-Butylbenzene         | 16.73 | 119  | 4728540  | 10.385 | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.97 | 91   | 259378   | 11.543 | ppbv # | 95       |
| 67) sec-Butylbenzene          | 17.27 | 105  | 6591673  | 10.585 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.63 | 119  | 5427795  | 10.781 | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.53 | 91   | 5263518  | 11.005 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.43 | 91   | 3959794  | 10.837 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.82 | 105  | 4741821  | 11.257 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.98 | 105  | 4218514  | 11.026 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.74 | 105  | 4271099  | 10.630 | ppbv   | 93       |
| 75) 1,3-Dichlorobenzene       | 16.98 | 146  | 2598909  | 10.440 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 17.11 | 146  | 2543860  | 10.713 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.80 | 146  | 2529792  | 10.580 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 23.35 | 225  | 1731765  | 8.870  | ppbv   | 98       |
| 79) Naphthalene               | 22.17 | 128  | 2825639  | 11.483 | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 24.95 | 142  | 563485   | 8.528  | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.90 | 180  | 1714676  | 10.895 | ppbv   | 99       |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

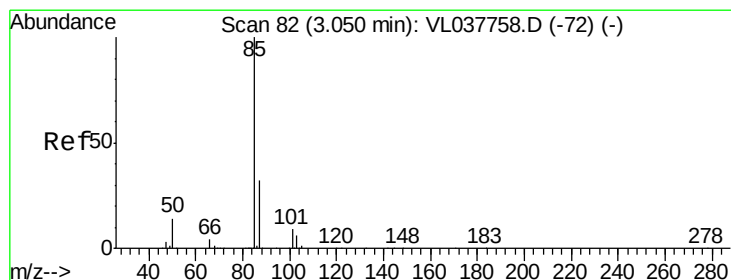
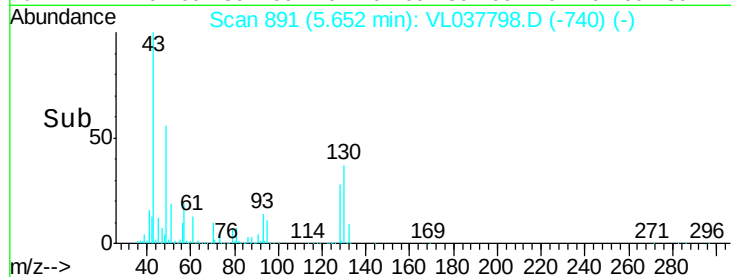
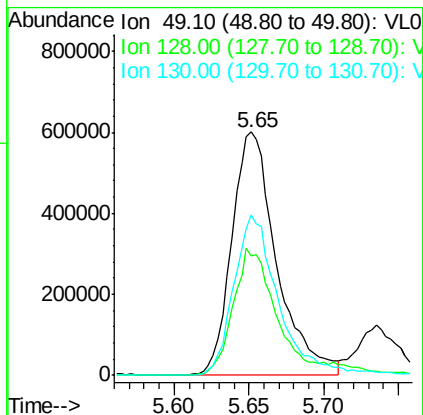
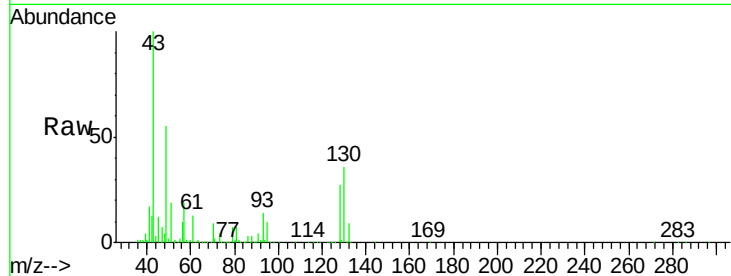
ClientSampleId :

VL1007ABS01

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 49    | Resp: | 1252297 |
| Ion      | Ratio | Lower | Upper   |
| 49       | 100   |       |         |
| 128      | 54.6  | 27.1  | 81.3    |
| 130      | 66.7  | 33.2  | 99.6    |

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#2

Dichlorodifluoromethane

Concen: 7.832 ppbv

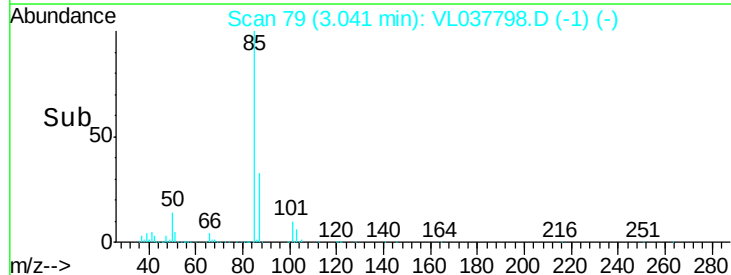
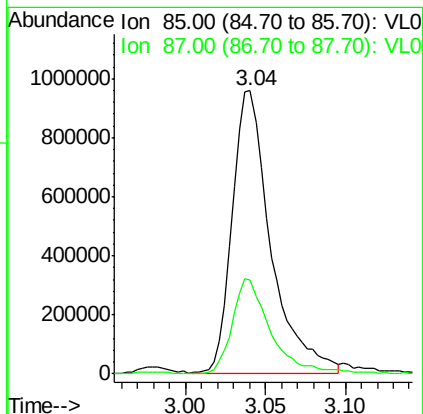
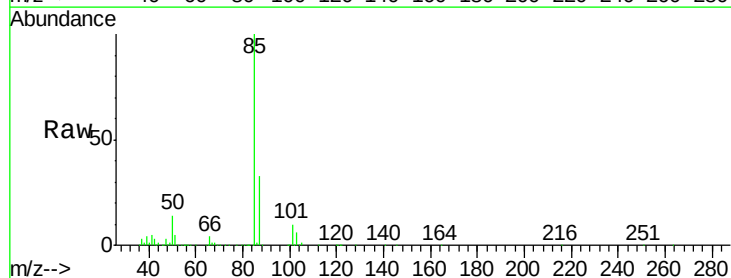
RT: 3.04 min Scan# 79

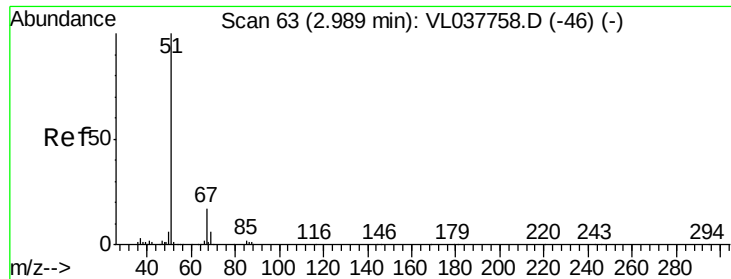
Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 85    | Resp: | 1566611 |
| Ion      | Ratio | Lower | Upper   |
| 85       | 100   |       |         |
| 87       | 33.0  | 25.7  | 38.5    |





#3

Chlorodifluoromethane

Concen: 9.984 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 51 Resp: 2402384

Ion Ratio Lower Upper

51 100

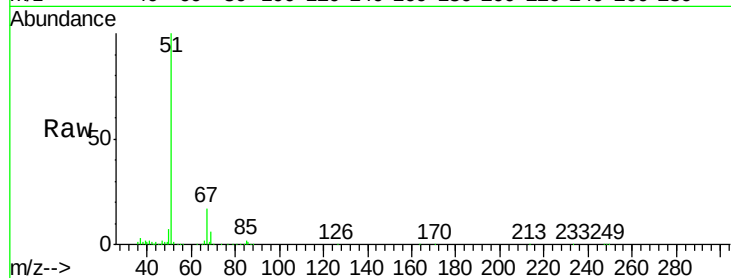
67 17.4 13.5 20.3

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

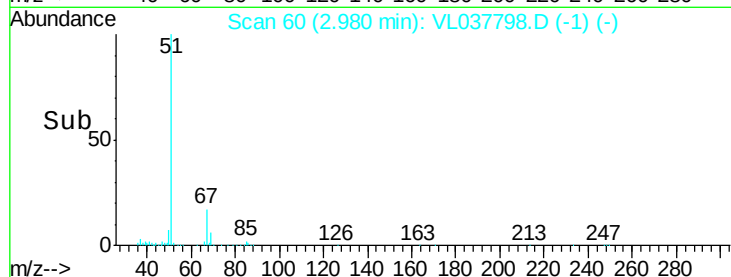
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1000000

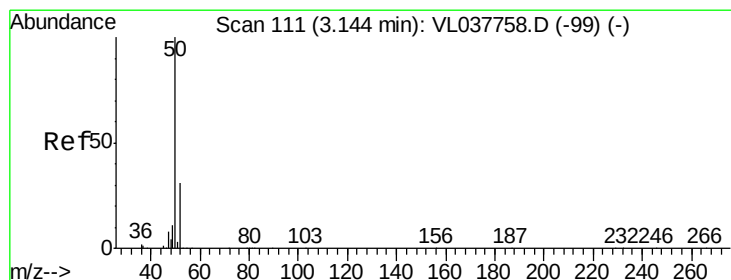
500000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.850 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037798.D

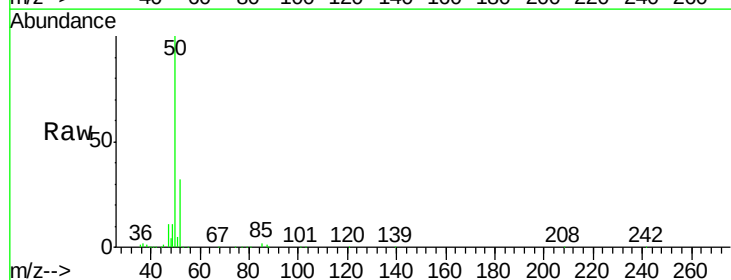
Acq: 7 Oct 2021 15:49

Tgt Ion: 50 Resp: 868072

Ion Ratio Lower Upper

50 100

52 31.8 24.4 36.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

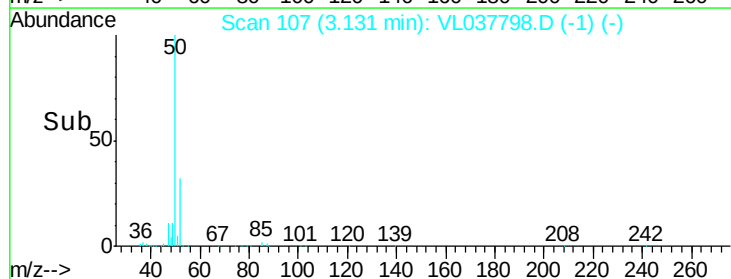
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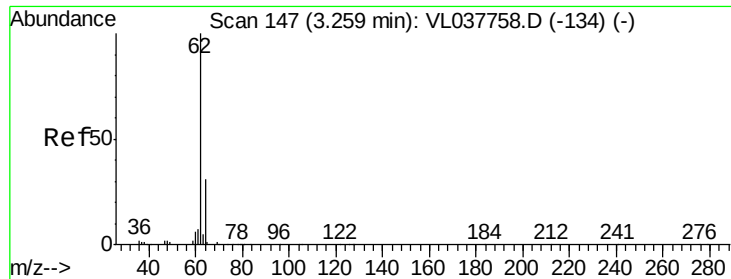
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.391 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 62 Resp: 839500

Ion Ratio Lower Upper

62 100

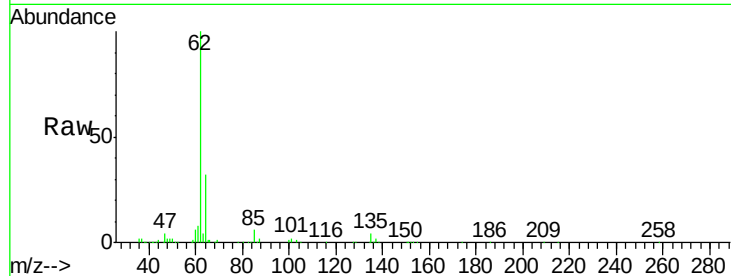
64 32.1 24.9 37.3

Manual Integrations

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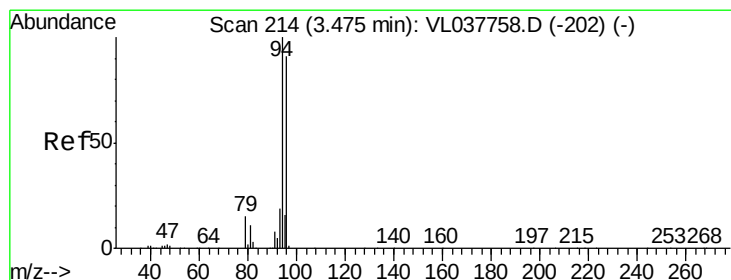
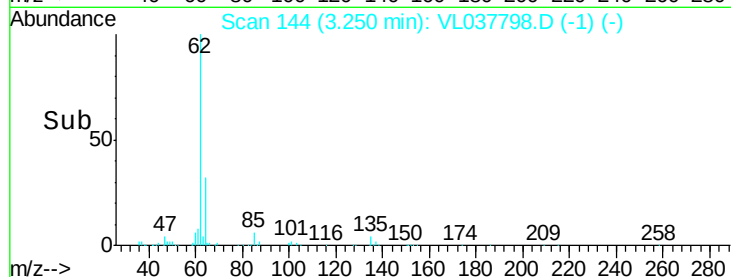
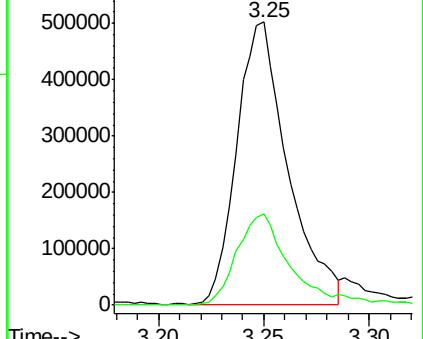
apatel

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.700 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037798.D

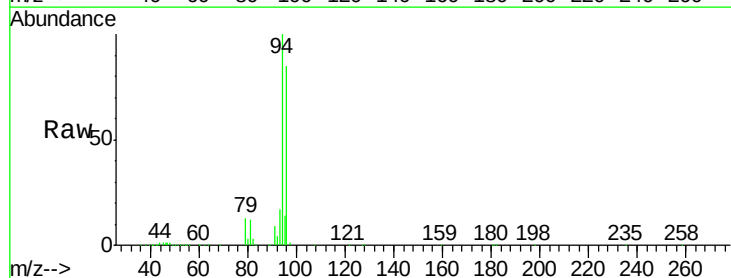
Acq: 7 Oct 2021 15:49

Tgt Ion: 94 Resp: 467603

Ion Ratio Lower Upper

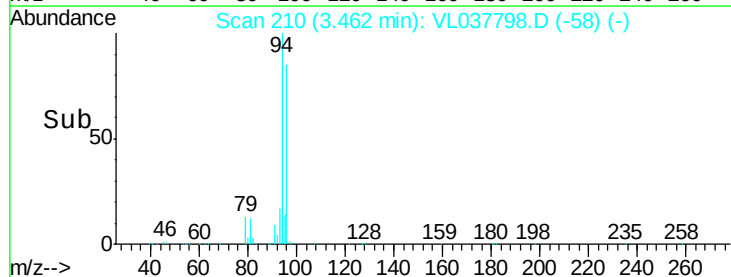
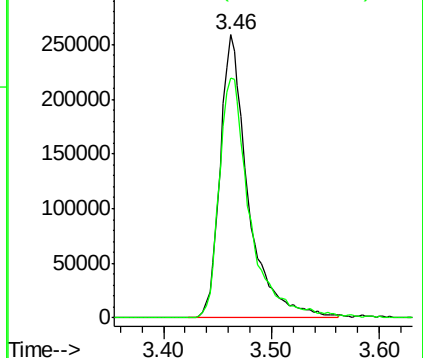
94 100

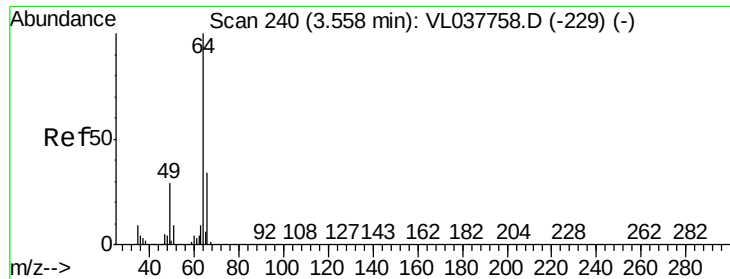
96 84.5 72.5 108.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.549 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 64 Resp: 313370

Ion Ratio Lower Upper

64 100

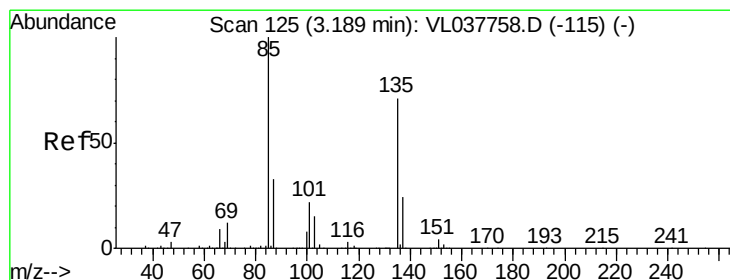
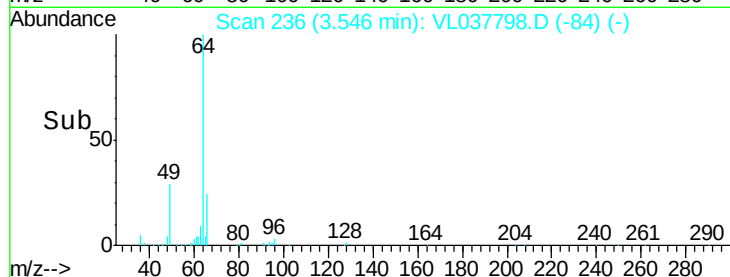
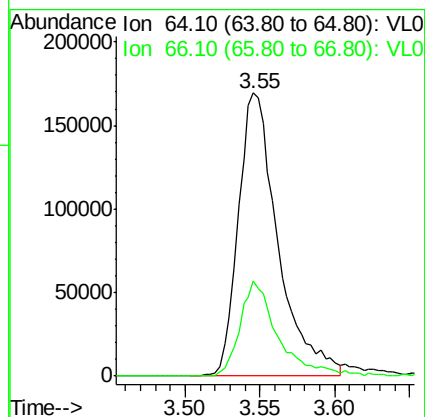
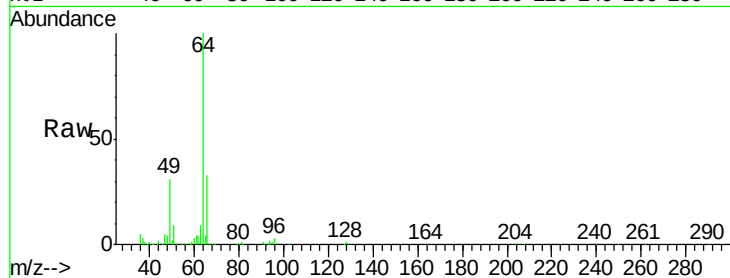
66 33.5 27.5 41.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.873 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL037798.D

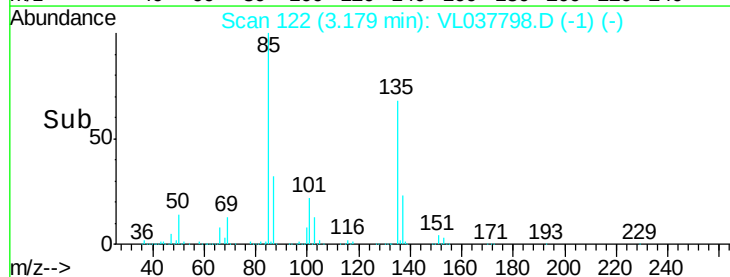
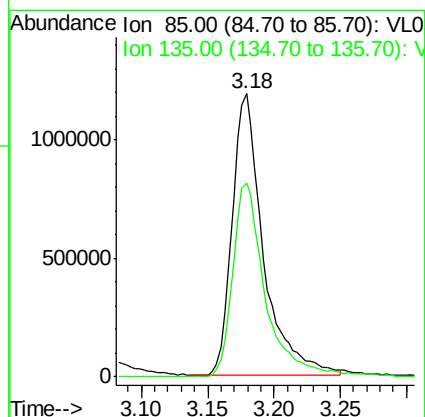
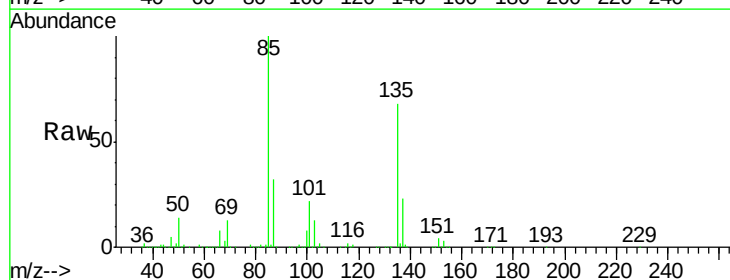
Acq: 7 Oct 2021 15:49

Tgt Ion: 85 Resp: 1952047

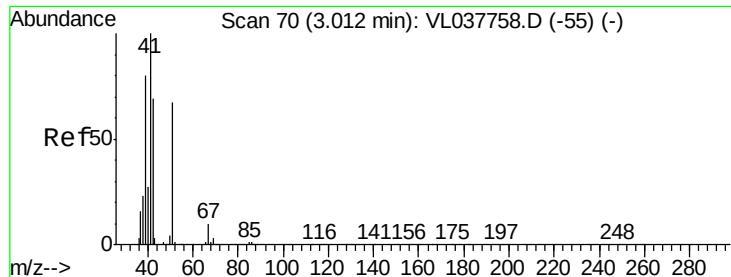
Ion Ratio Lower Upper

85 100

135 72.5 59.5 89.3







#9

Propene

Concen: 9.545 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 41 Resp: 845123

Ion Ratio Lower Upper

41 100

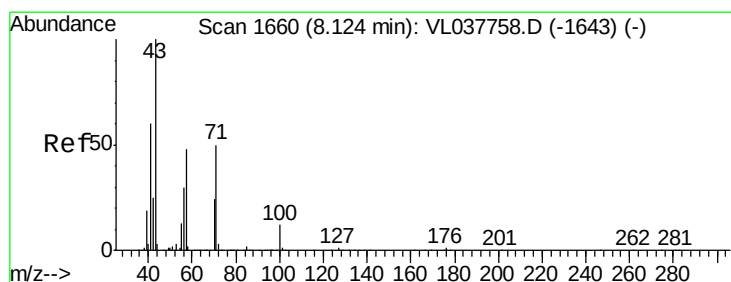
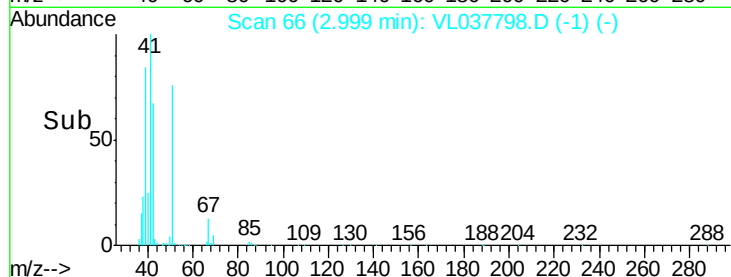
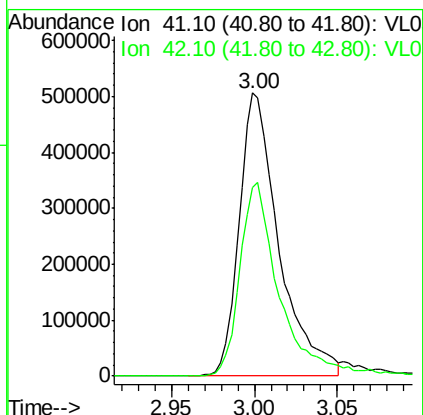
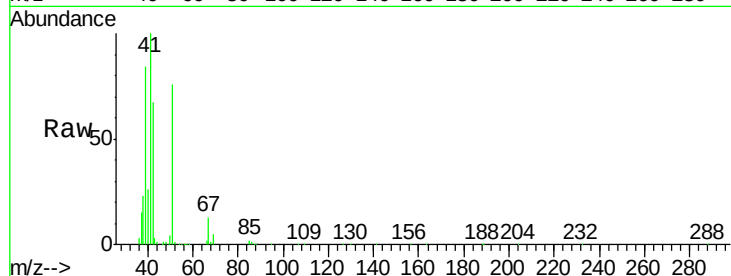
42 68.7 54.2 81.2

Manual Integrations

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#10

Heptane

Concen: 10.909 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL037798.D

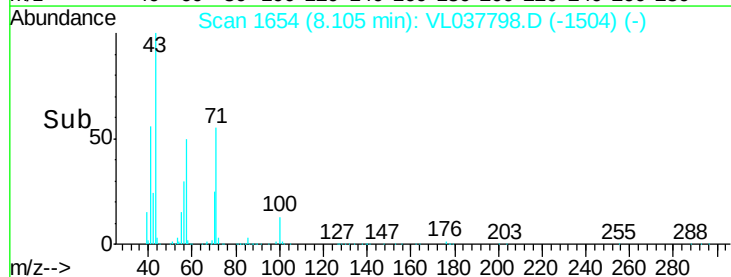
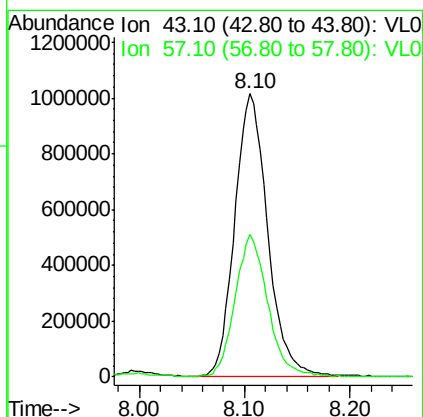
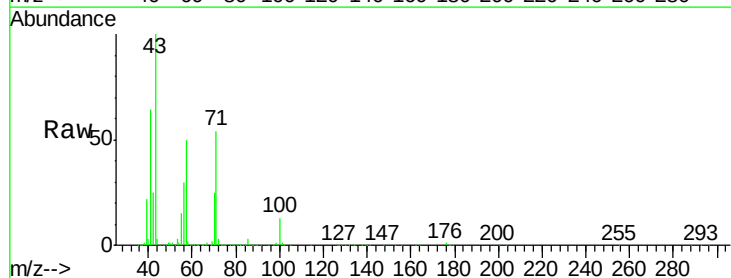
Acq: 7 Oct 2021 15:49

Tgt Ion: 43 Resp: 2193462

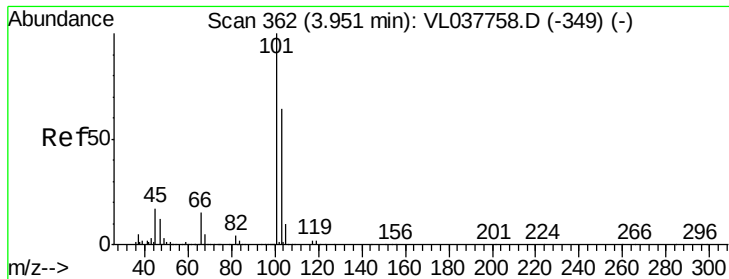
Ion Ratio Lower Upper

43 100

57 50.2 40.0 60.0







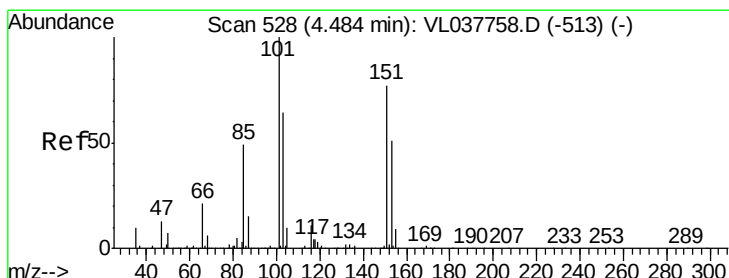
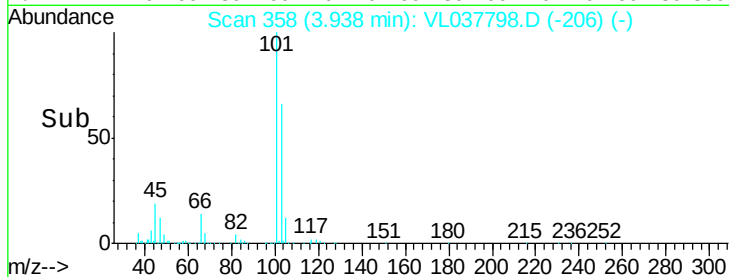
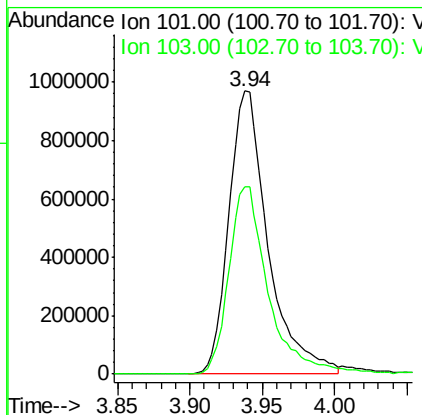
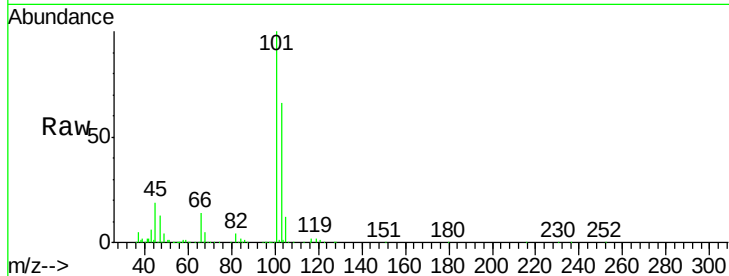
#11  
 Trichlorofluoromethane  
 Concen: 10.211 ppbv  
 RT: 3.94 min Scan# 358  
 Delta R.T. -0.01 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Tgt Ion:101 Resp: 1822296  
 Ion Ratio Lower Upper  
 101 100  
 103 66.1 51.5 77.3

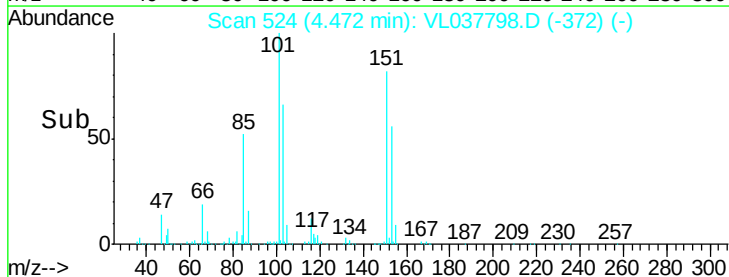
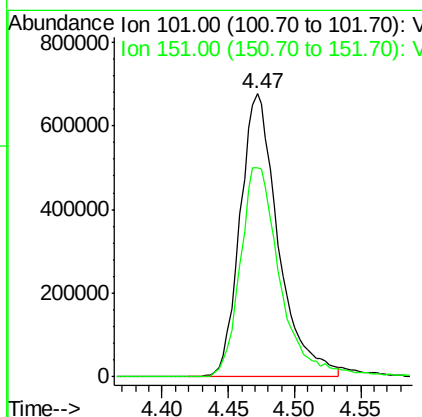
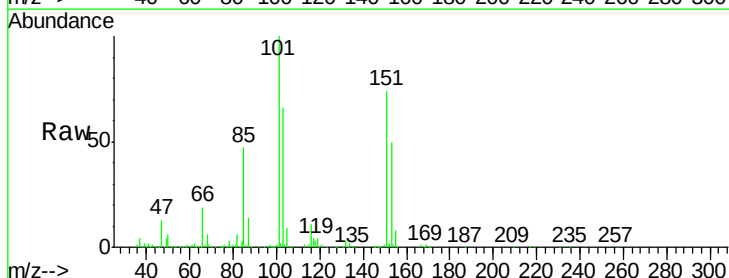
Manual Integrations  
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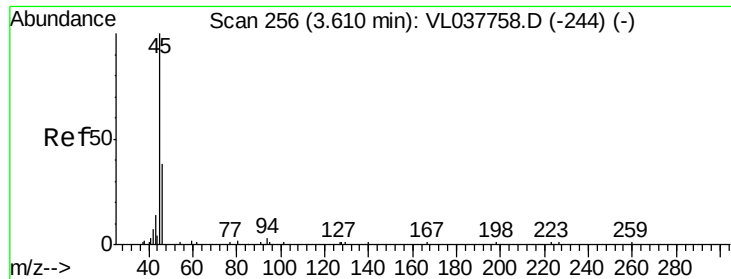
apatel  
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#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.035 ppbv  
 RT: 4.47 min Scan# 524  
 Delta R.T. -0.01 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Tgt Ion:101 Resp: 1356855  
 Ion Ratio Lower Upper  
 101 100  
 151 78.1 62.9 94.3





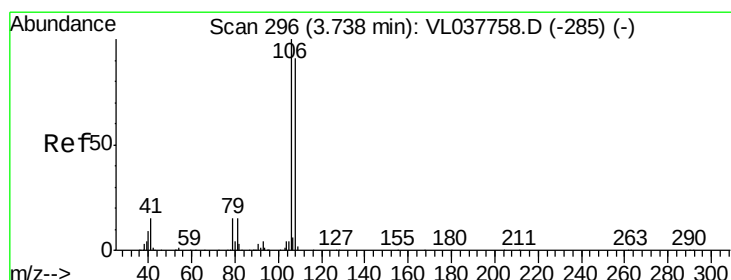
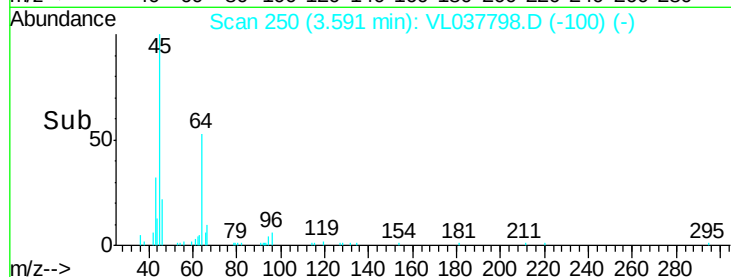
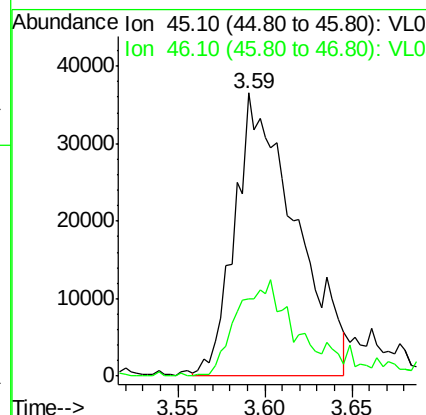
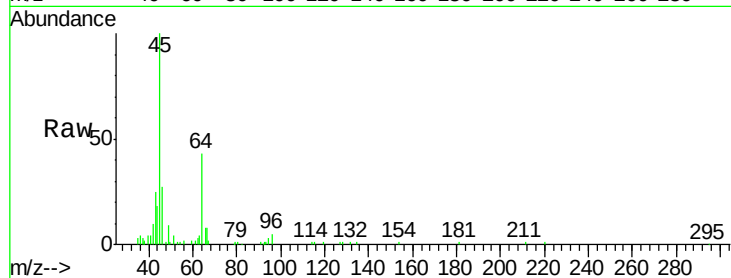
#13  
Ethanol  
Concen: 12.255 ppbv m  
RT: 3.59 min Scan# 250  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 45 Resp: 88734  
Ion Ratio Lower Upper  
45 100  
46 37.7 20.2 81.0

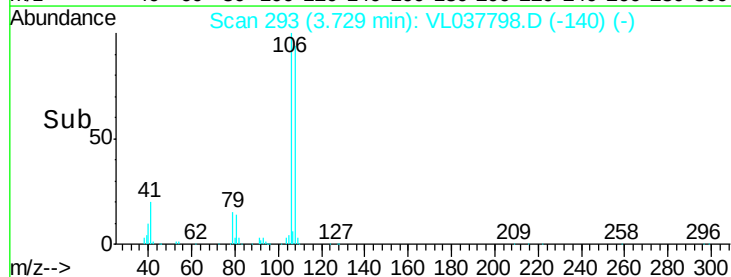
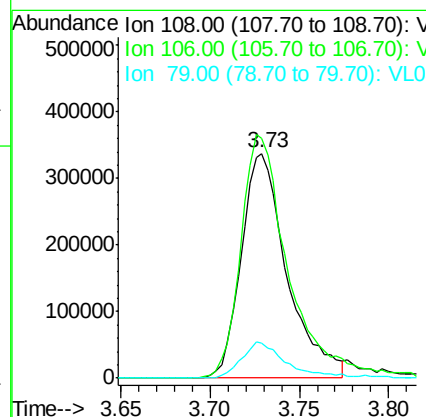
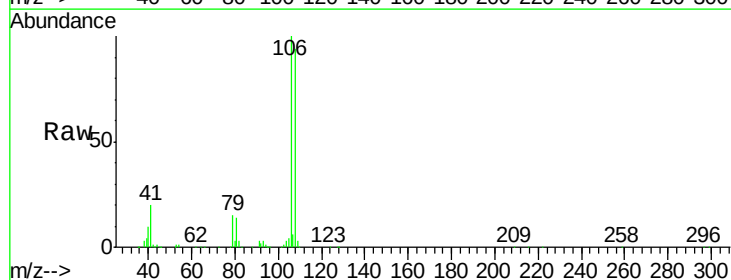
Manual Integrations  
APPROVED

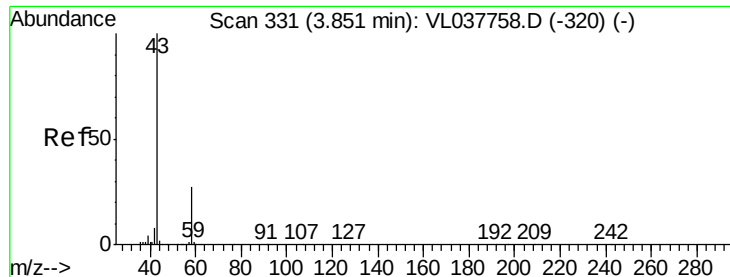
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#14  
Bromoethene  
Concen: 10.160 ppbv  
RT: 3.73 min Scan# 293  
Delta R.T. -0.01 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 108 Resp: 604059  
Ion Ratio Lower Upper  
108 100  
106 115.1 91.9 137.9  
79 16.8 13.9 20.9





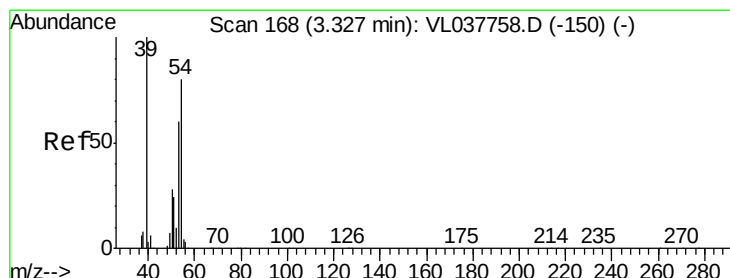
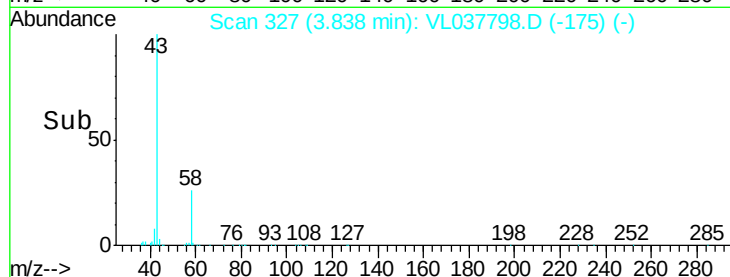
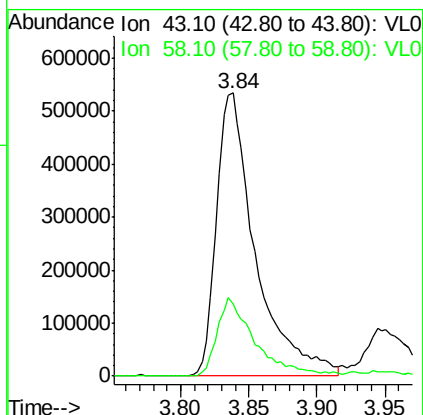
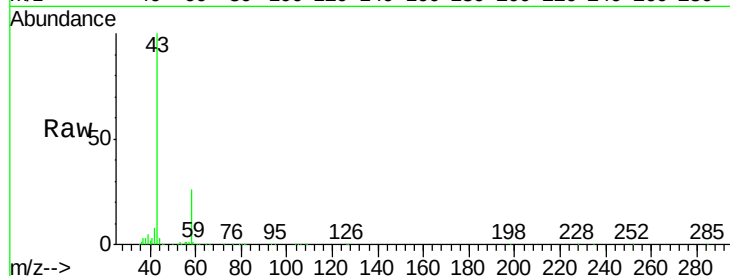
#15  
Acetone  
Concen: 9.411 ppbv  
RT: 3.84 min Scan# 327  
Delta R.T. -0.01 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 43 Resp: 1057921  
Ion Ratio Lower Upper  
43 100  
58 27.6 23.0 34.6

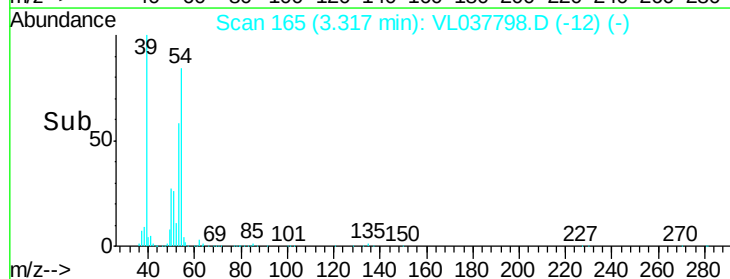
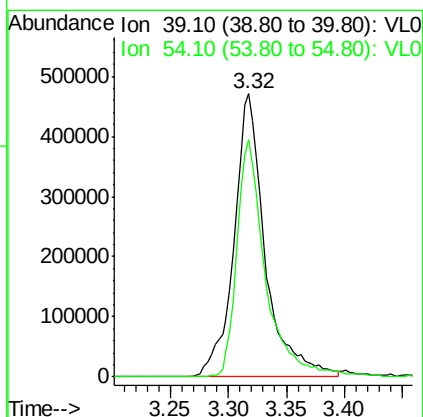
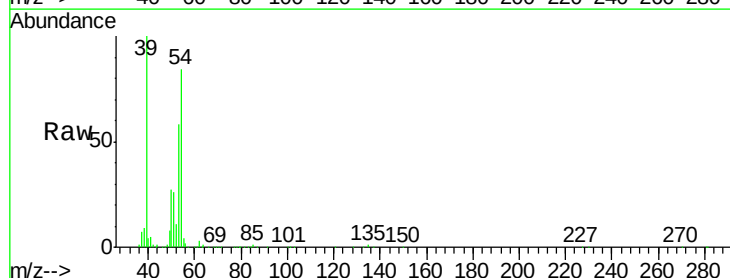
Manual Integrations  
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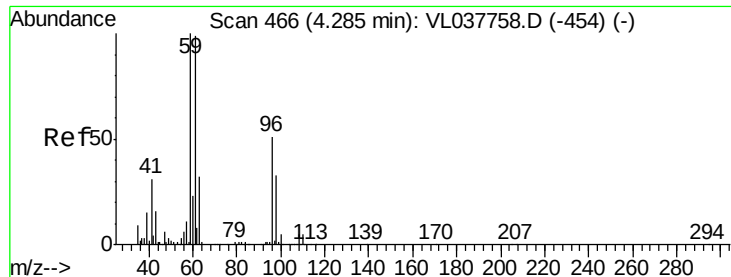
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#16  
1,3-Butadiene  
Concen: 10.694 ppbv  
RT: 3.32 min Scan# 165  
Delta R.T. -0.01 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 39 Resp: 874692  
Ion Ratio Lower Upper  
39 100  
54 77.8 61.7 92.5





#17

tert-Butyl alcohol

Concen: 10.855 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 59 Resp: 1256761

Ion Ratio Lower Upper

59 100

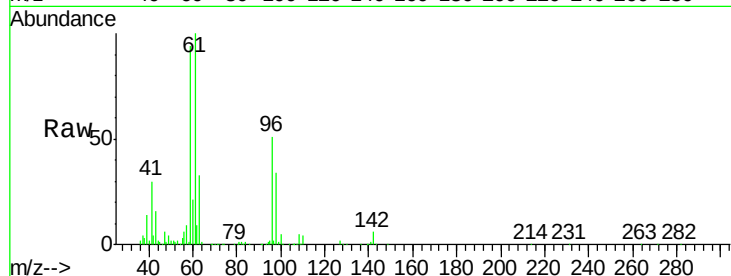
57 10.3 8.6 13.0

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

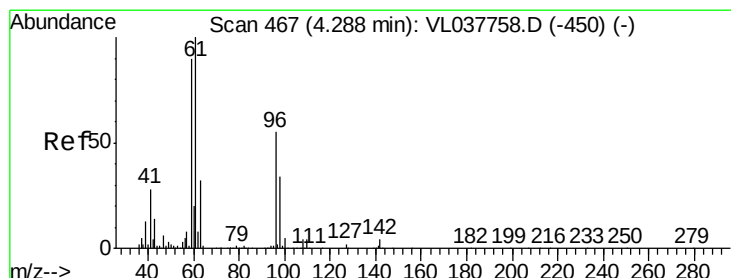
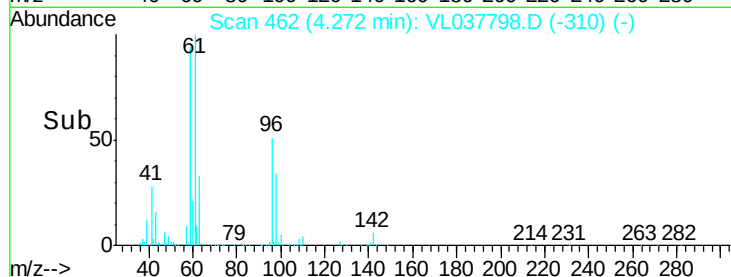
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.422 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

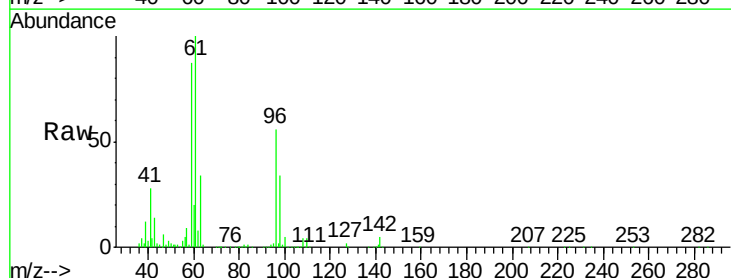
Tgt Ion: 96 Resp: 640434

Ion Ratio Lower Upper

96 100

61 178.4 146.2 219.4

98 61.4 50.0 75.0



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

800000

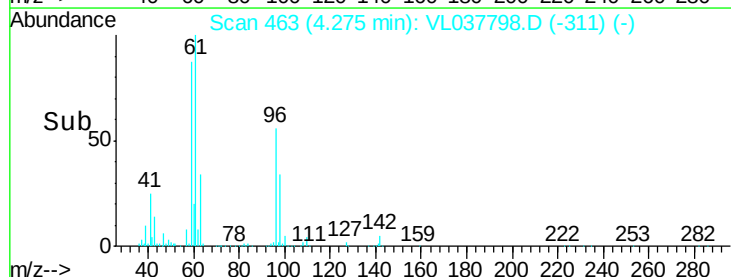
600000

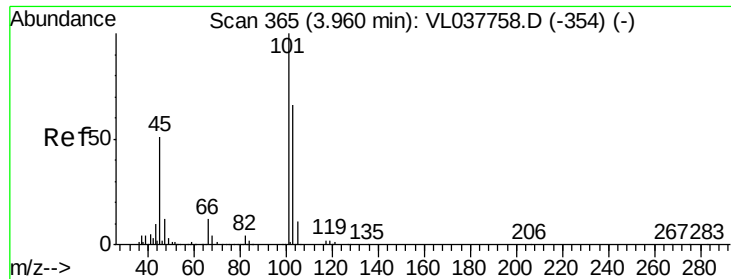
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200000

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Time-->





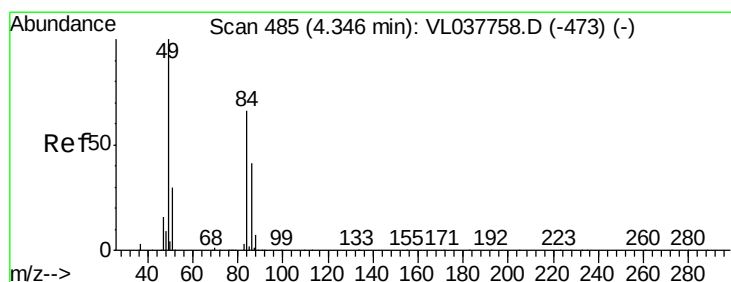
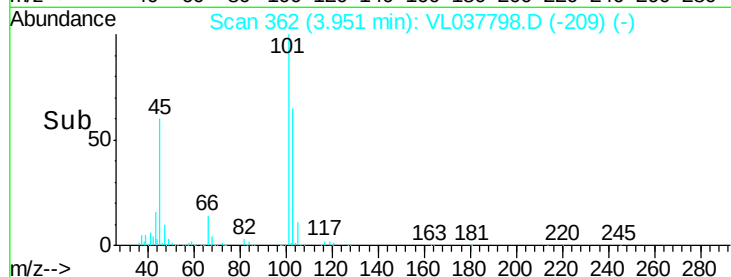
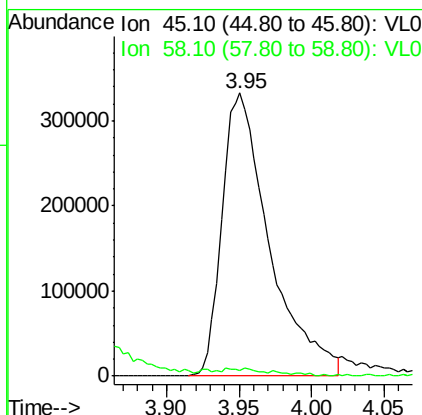
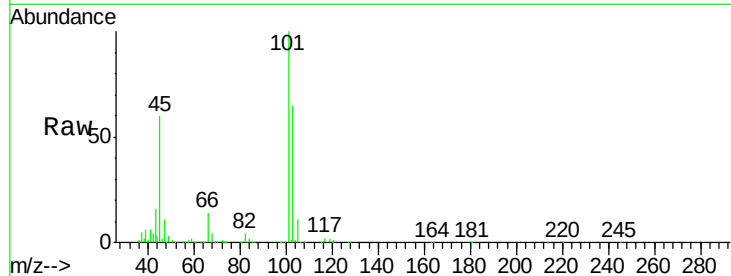
#19  
Isopropyl Alcohol  
Concen: 10.782 ppbv  
RT: 3.95 min Scan# 362  
Delta R.T. -0.01 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 45      | 100   |            |       |
| 58      | 3.1   | 1.1        | 1.7#  |

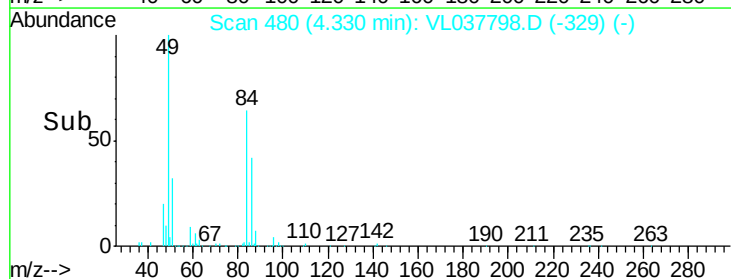
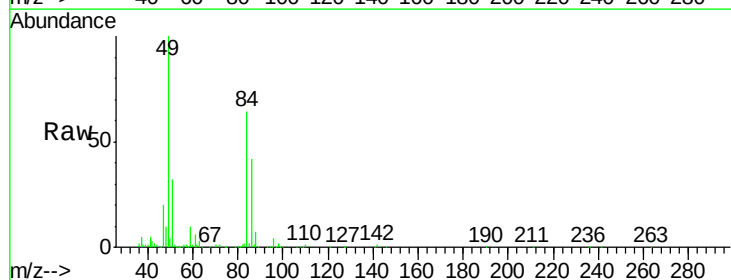
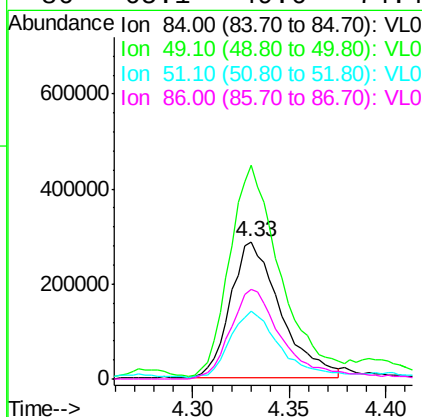
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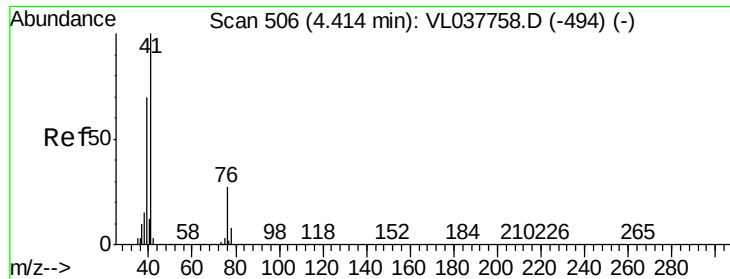
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#20  
Methylene Chloride  
Concen: 9.127 ppbv  
RT: 4.33 min Scan# 480  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 84      | 100   |            |       |
| 49      | 154.6 | 120.7      | 181.1 |
| 51      | 49.2  | 36.2       | 54.4  |
| 86      | 65.1  | 49.6       | 74.4  |





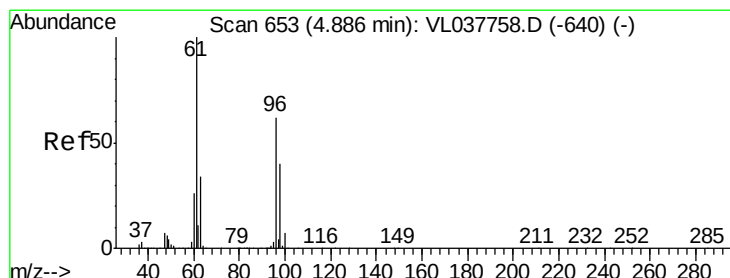
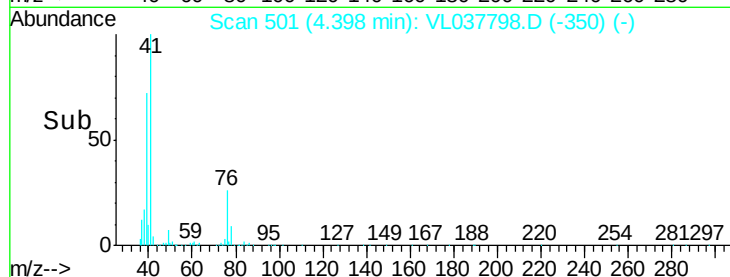
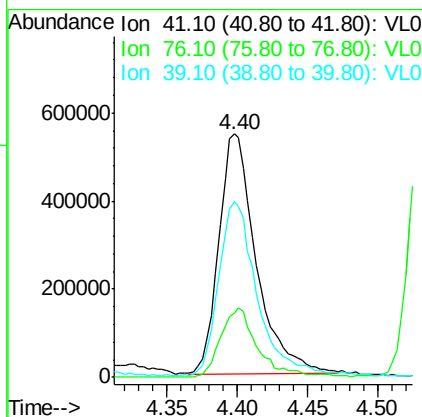
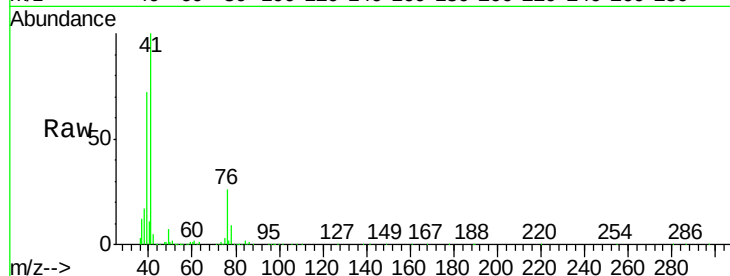
#21  
 Allyl Chloride  
 Concen: 10.088 ppbv  
 RT: 4.40 min Scan# 501  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Tgt Ion: 41 Resp: 1004688  
 Ion Ratio Lower Upper  
 41 100  
 76 29.0 22.4 33.6  
 39 76.4 58.0 87.0

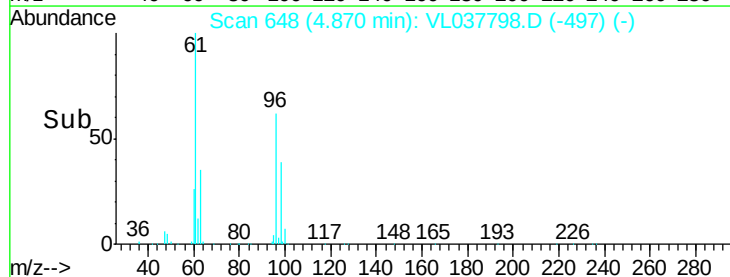
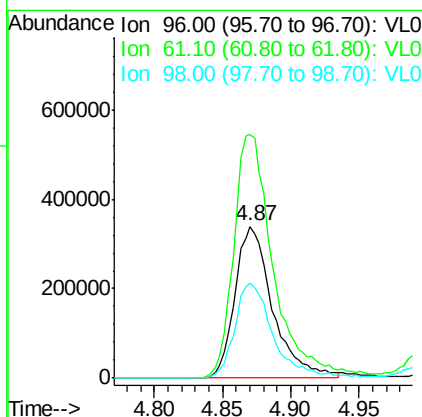
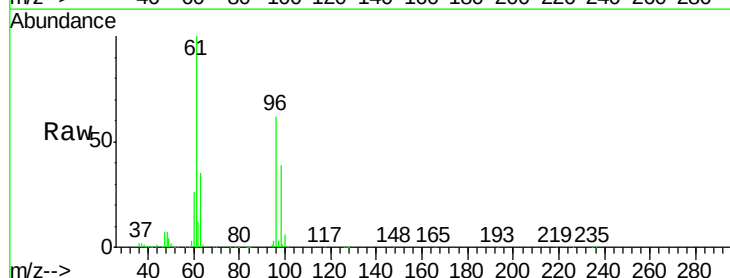
Manual Integrations  
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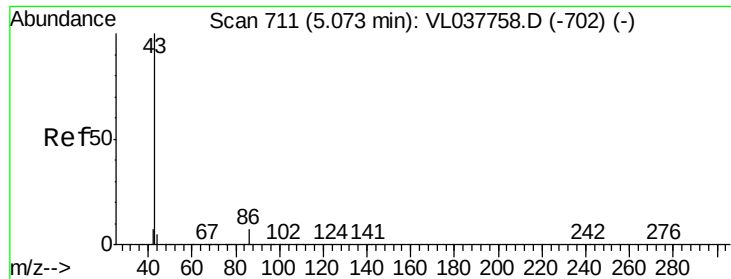
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#22  
 trans-1,2-Dichloroethene  
 Concen: 10.580 ppbv  
 RT: 4.87 min Scan# 648  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Tgt Ion: 96 Resp: 653613  
 Ion Ratio Lower Upper  
 96 100  
 61 160.5 129.0 193.6  
 98 62.5 51.7 77.5





#23

Vinyl Acetate

Concen: 10.430 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.01 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 43 Resp: 1757138

Ion Ratio Lower Upper

43 100

86 6.6 5.0 7.4

42 9.5 7.4 11.0

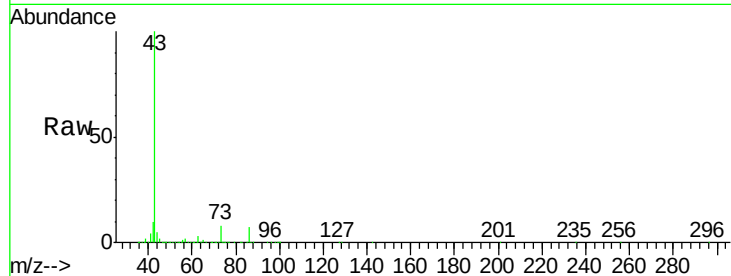
44 4.8 3.8 5.6

Manual Integrations

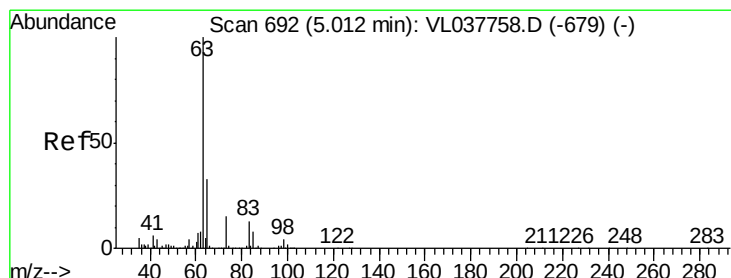
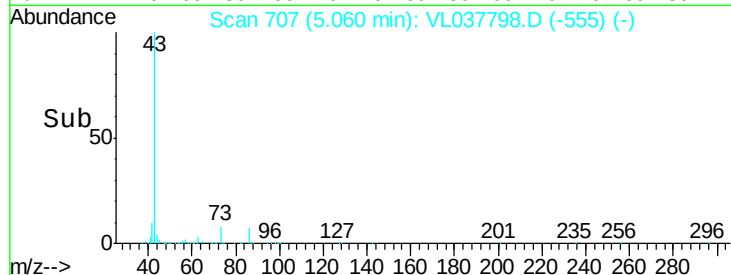
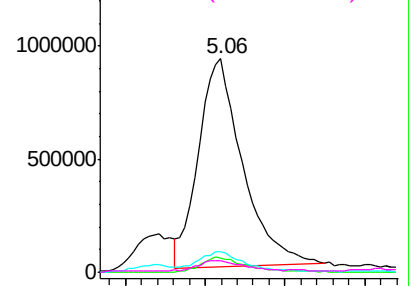
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Abundance Ion 43.10 (42.80 to 43.80): VL0  
Ion 86.10 (85.80 to 86.80): VL0  
Ion 42.10 (41.80 to 42.80): VL0  
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.647 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

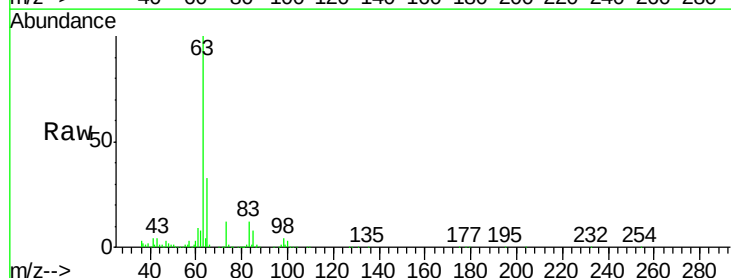
Tgt Ion: 63 Resp: 1305701

Ion Ratio Lower Upper

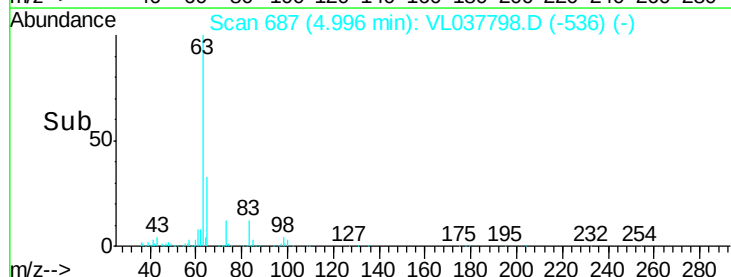
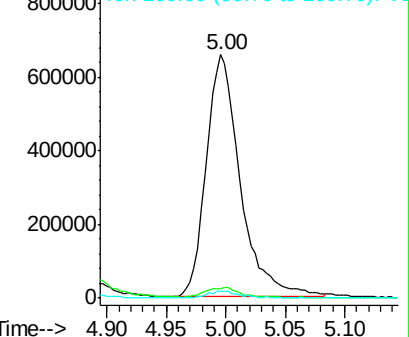
63 100

98 3.4 2.3 6.9

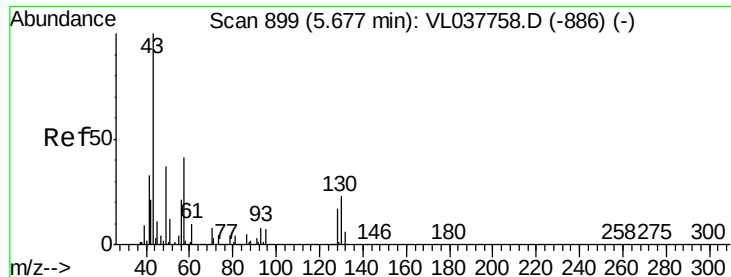
100 2.5 1.1 3.1



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







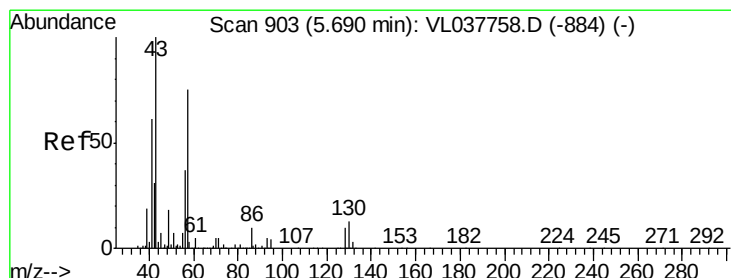
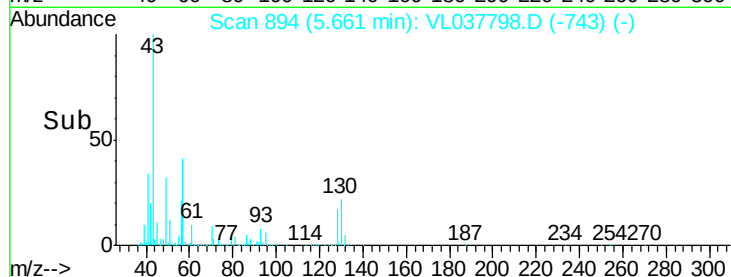
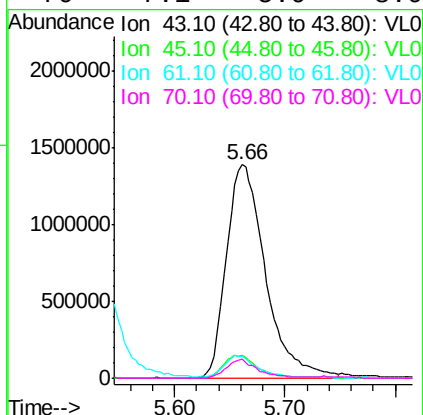
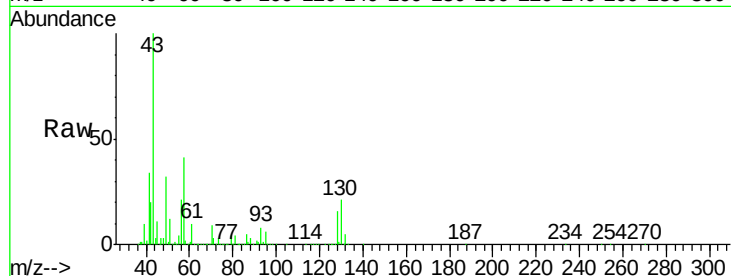
#25  
Ethyl Acetate  
Concen: 10.789 ppbv  
RT: 5.66 min Scan# 894  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 45      | 10.0  | 8.1   | 12.1  |
| 61      | 9.9   | 7.5   | 11.3  |
| 70      | 7.1   | 5.9   | 8.9   |

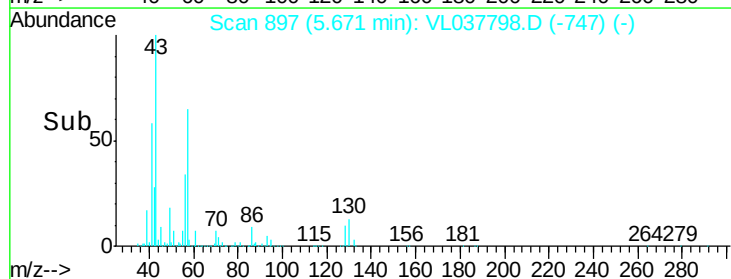
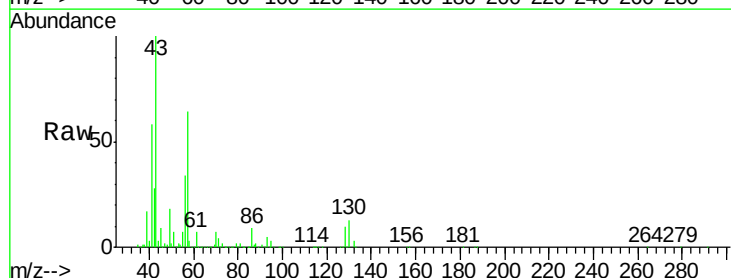
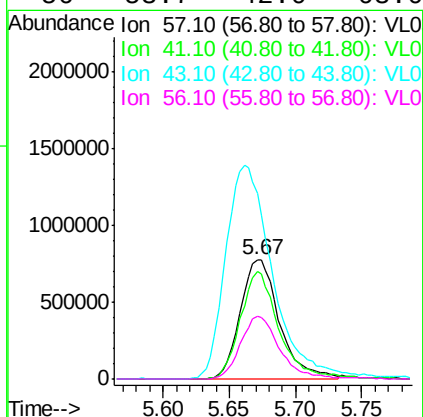
Manual Integrations  
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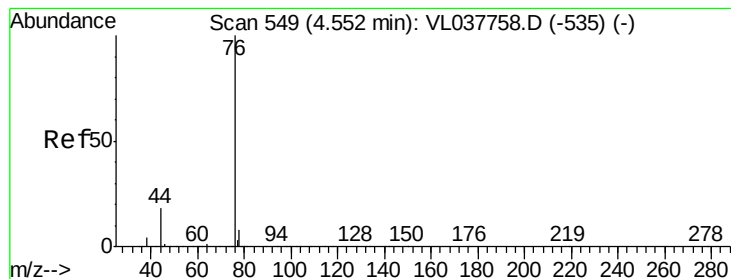
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#26  
Hexane  
Concen: 10.270 ppbv  
RT: 5.67 min Scan# 897  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 90.4  | 69.6  | 104.4 |
| 43      | 217.1 | 171.4 | 257.0 |
| 56      | 53.7  | 42.0  | 63.0  |





#27

Carbon Disulfide

Concen: 11.187 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 76 Resp: 1539995

Ion Ratio Lower Upper

76 100

44 18.2 14.3 21.5

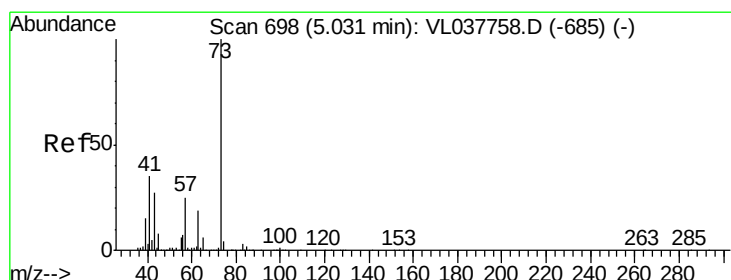
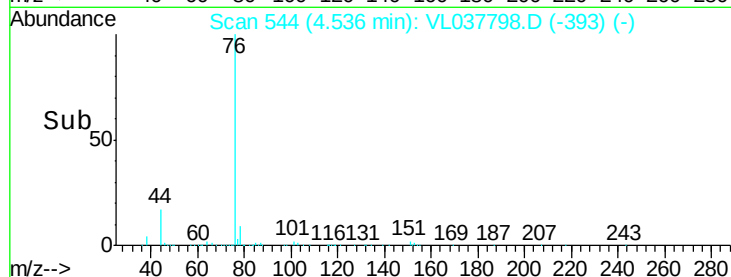
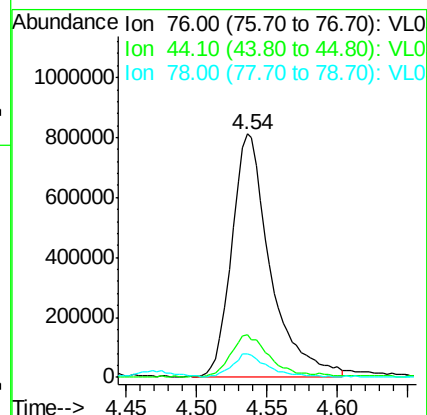
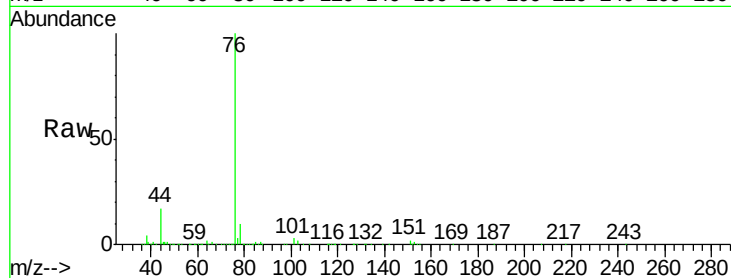
78 9.8 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.721 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL037798.D

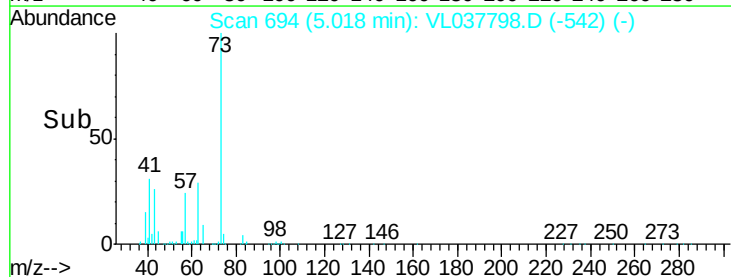
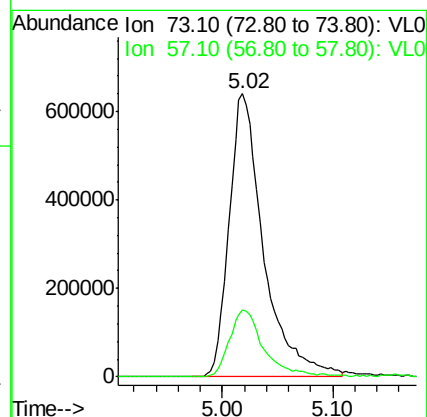
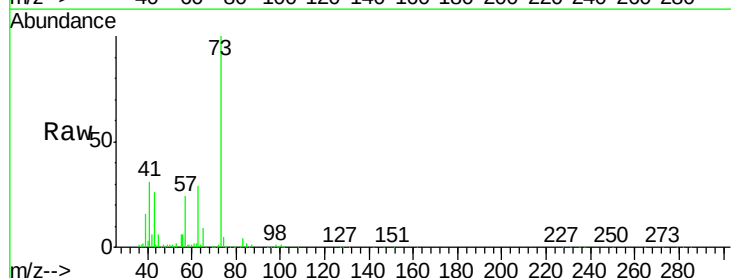
Acq: 7 Oct 2021 15:49

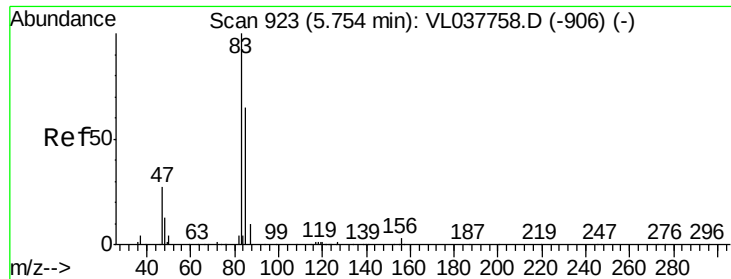
Tgt Ion: 73 Resp: 1386576

Ion Ratio Lower Upper

73 100

57 23.8 20.4 30.6





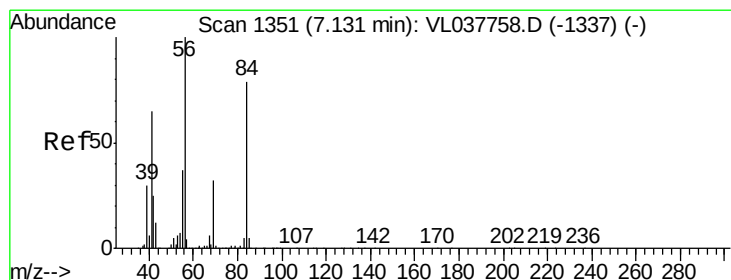
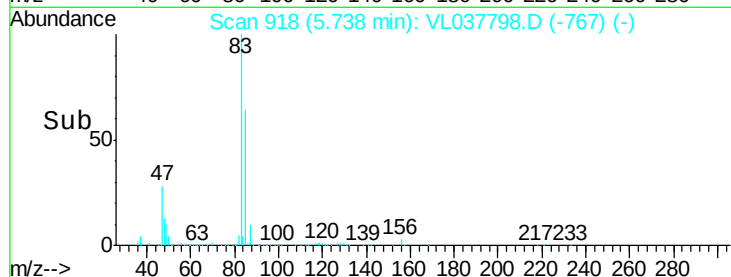
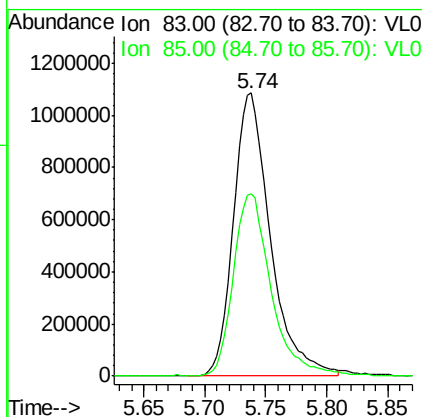
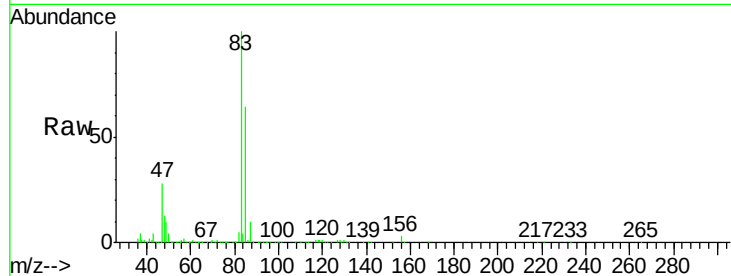
#29  
Chloroform  
Concen: 10.262 ppbv  
RT: 5.74 min Scan# 918  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 83 Resp: 2278549  
Ion Ratio Lower Upper  
83 100  
85 64.1 51.8 77.8

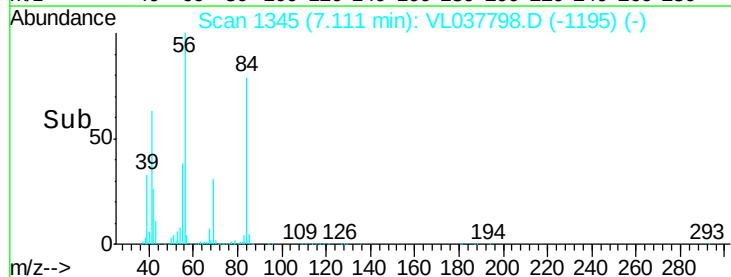
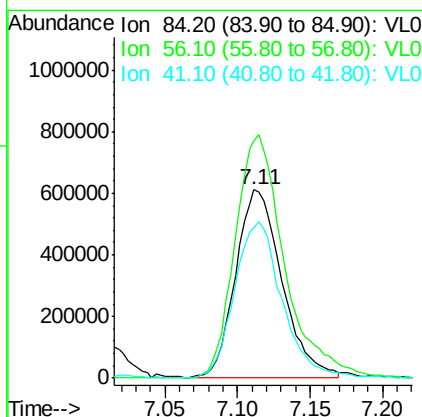
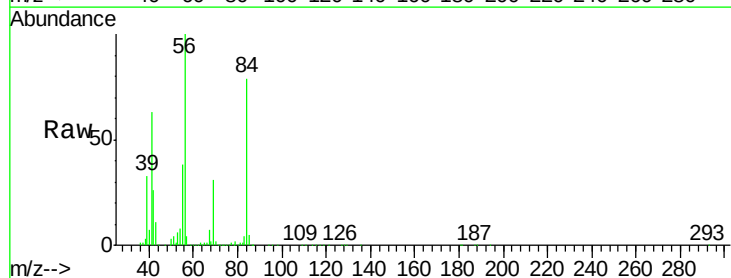
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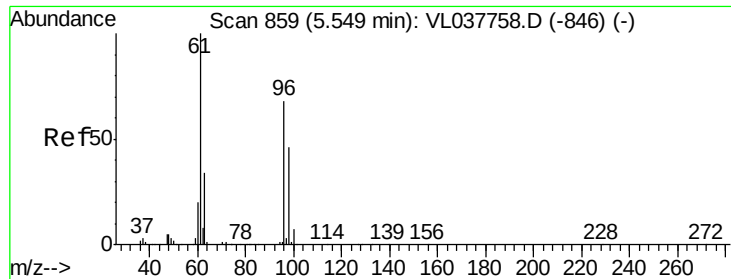
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#30  
Cyclohexane  
Concen: 10.335 ppbv  
RT: 7.11 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 84 Resp: 1361396  
Ion Ratio Lower Upper  
84 100  
56 138.4 113.0 169.4  
41 85.0 69.1 103.7





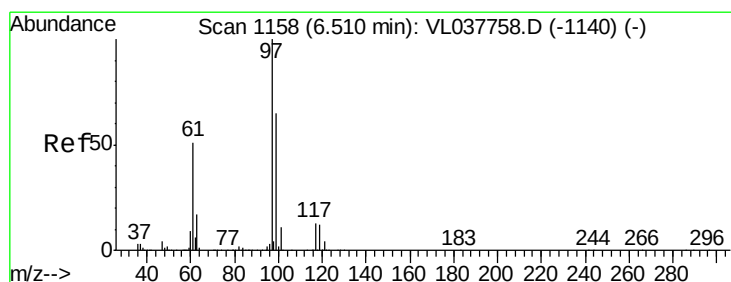
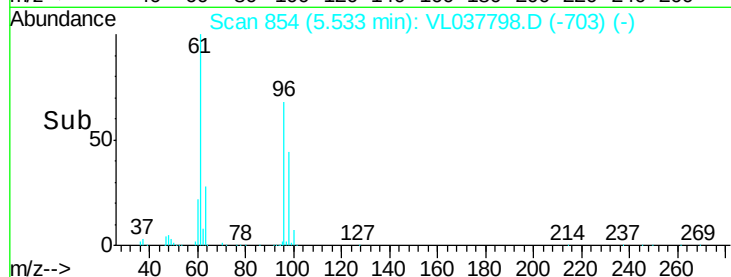
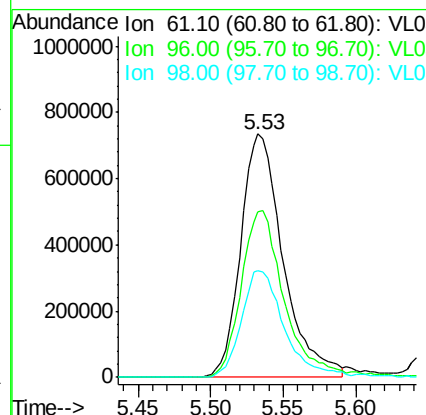
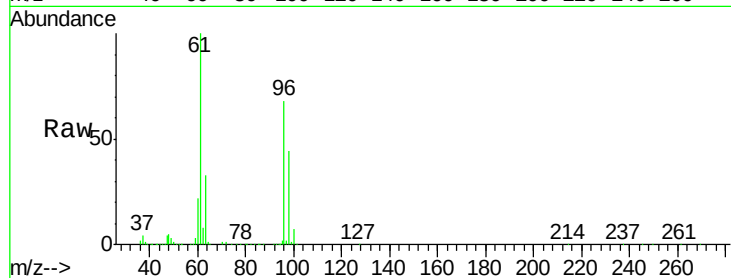
#31  
 cis-1,2-Dichloroethene  
 Concen: 10.580 ppbv  
 RT: 5.53 min Scan# 854  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 61      | 100   |       |       |
| 96      | 68.0  | 54.2  | 81.2  |
| 98      | 43.6  | 36.6  | 54.8  |

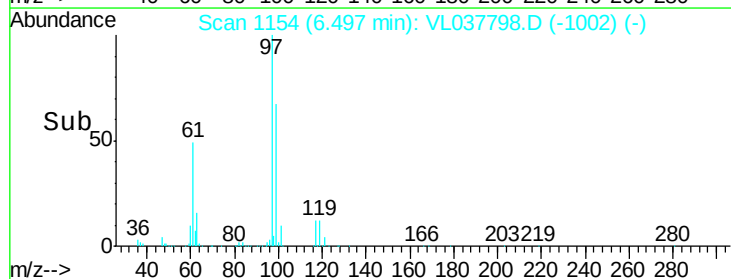
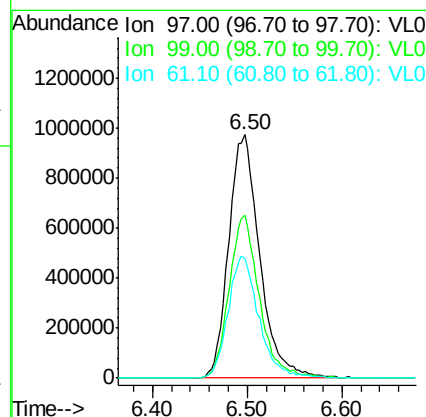
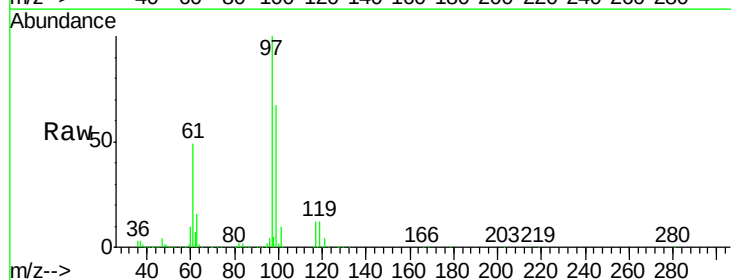
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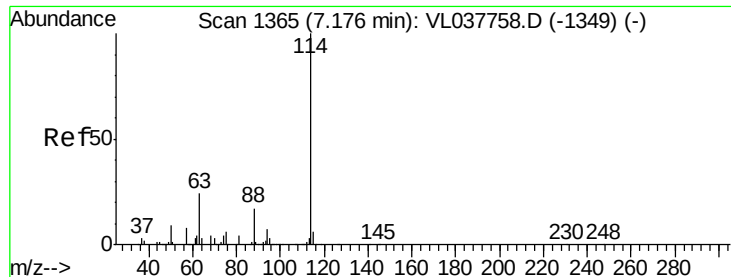
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#32  
 1,1,1-Trichloroethane  
 Concen: 10.549 ppbv  
 RT: 6.50 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.0  | 52.6  | 78.8  |
| 61      | 49.7  | 40.2  | 60.4  |





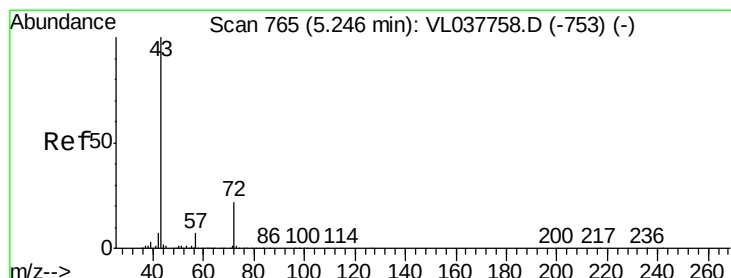
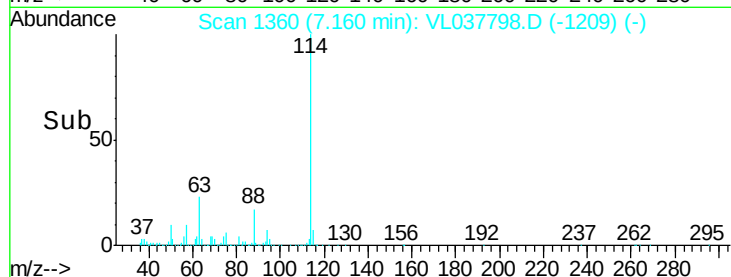
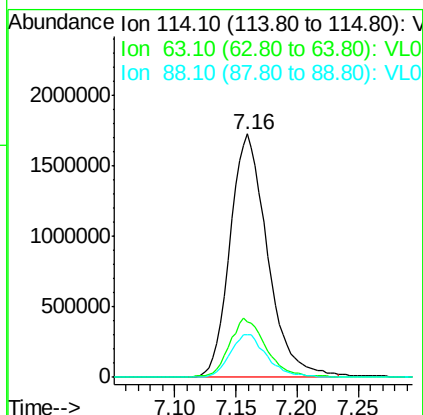
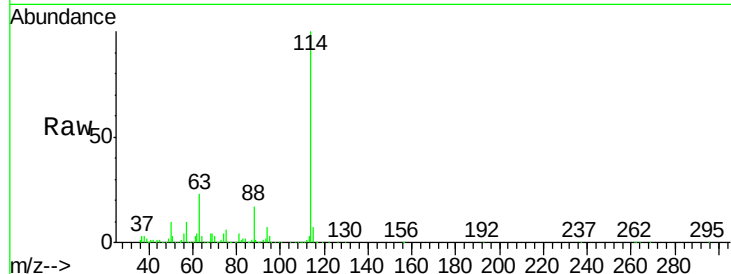
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.16 min Scan# 1360  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Tgt Ion: 114 Resp: 3689017  
 Ion Ratio Lower Upper  
 114 100  
 63 24.2 19.4 29.2  
 88 17.6 14.4 21.6

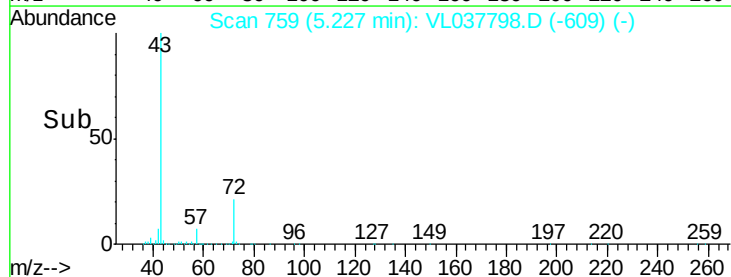
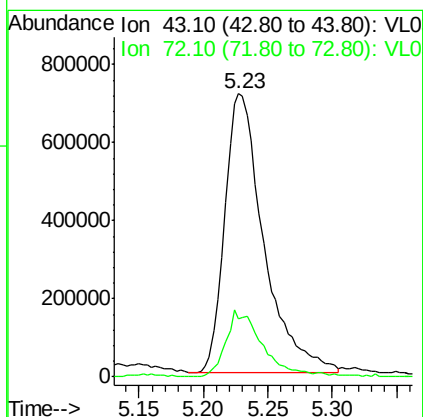
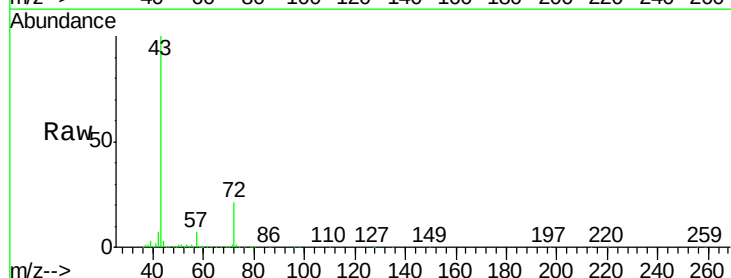
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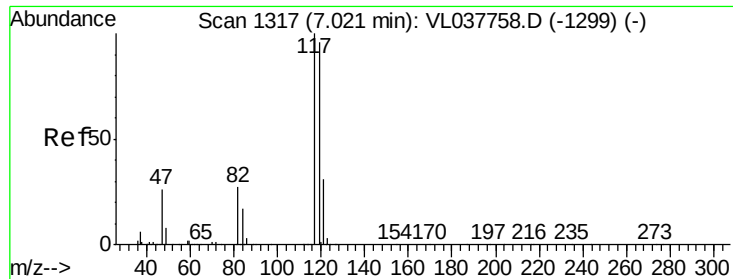
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#34  
 2-Butanone  
 Concen: 10.099 ppbv  
 RT: 5.23 min Scan# 759  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Tgt Ion: 43 Resp: 1504026  
 Ion Ratio Lower Upper  
 43 100  
 72 22.9 18.2 27.2





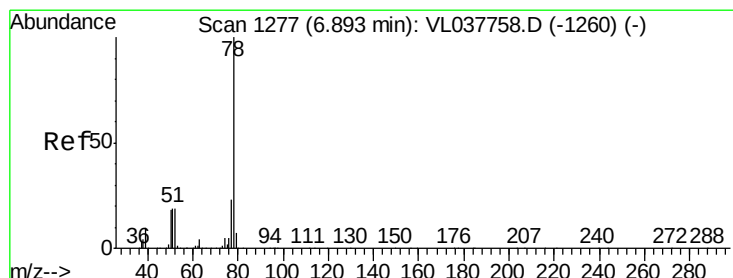
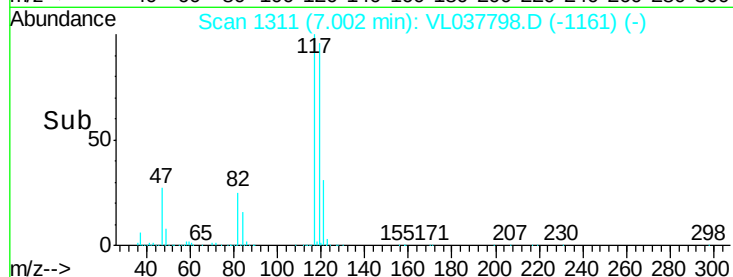
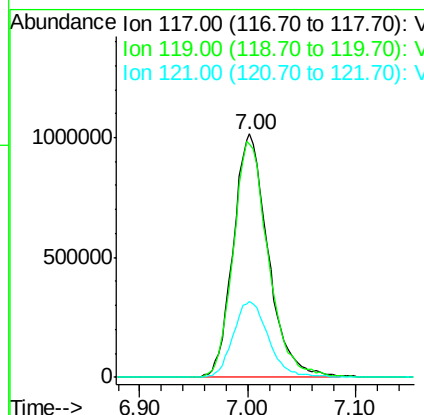
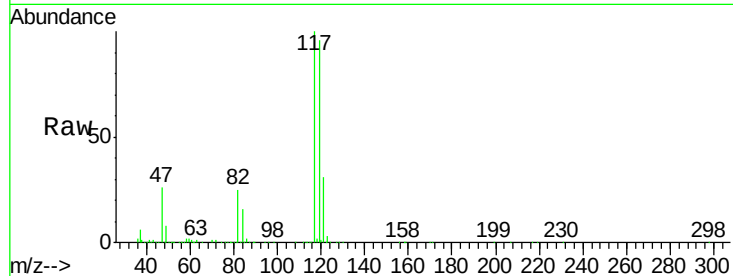
#35  
Carbon Tetrachloride  
Concen: 10.910 ppbv  
RT: 7.00 min Scan# 1311  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 117 Resp: 2285666  
Ion Ratio Lower Upper  
117 100  
119 95.7 76.5 114.7  
121 31.2 24.9 37.3

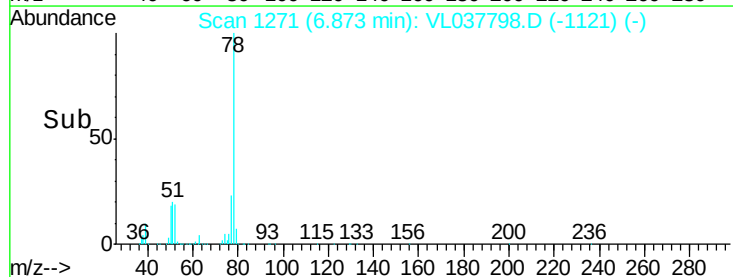
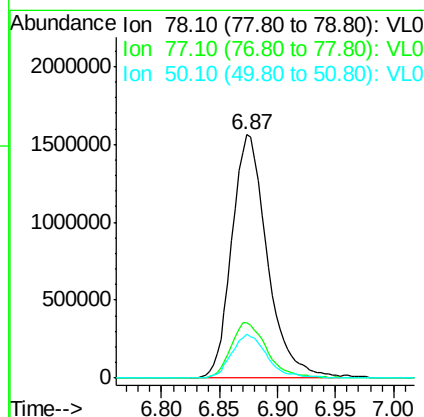
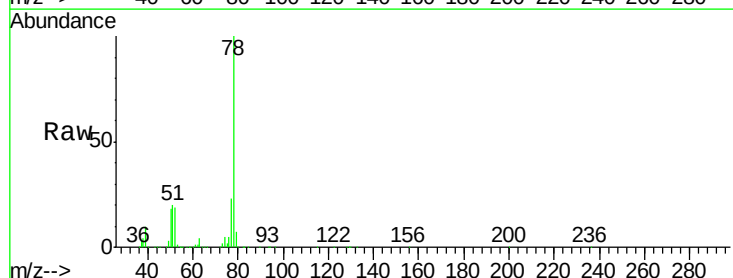
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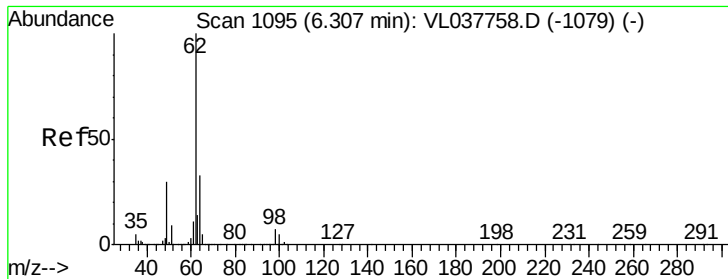
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#36  
Benzene  
Concen: 10.526 ppbv  
RT: 6.87 min Scan# 1271  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 78 Resp: 3316703  
Ion Ratio Lower Upper  
78 100  
77 22.5 18.8 28.2  
50 18.0 14.7 22.1





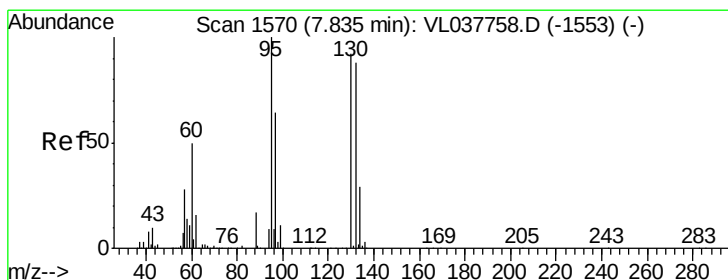
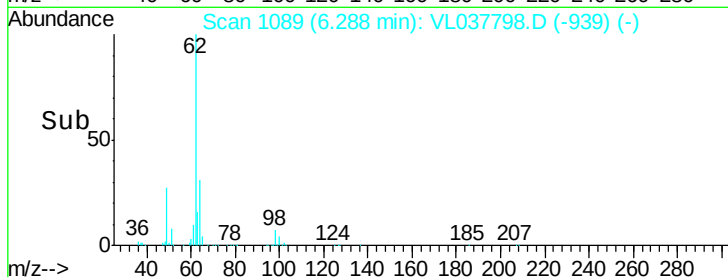
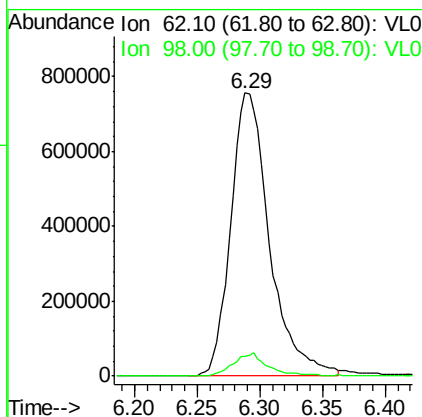
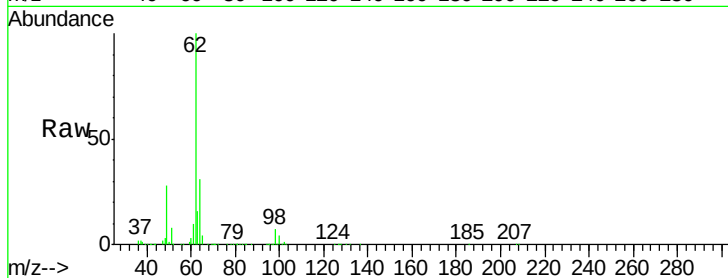
#37  
 1,2-Dichloroethane  
 Concen: 10.952 ppbv  
 RT: 6.29 min Scan# 1089  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Tgt Ion: 62 Resp: 1624930  
 Ion Ratio Lower Upper  
 62 100  
 98 7.4 6.1 9.1

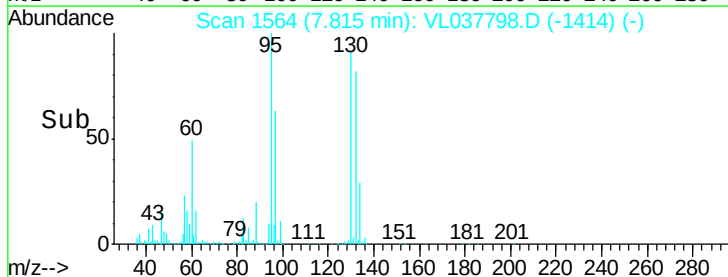
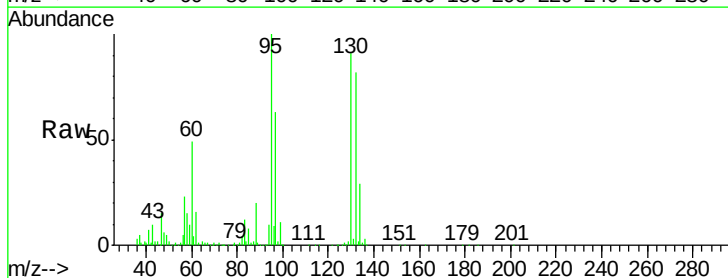
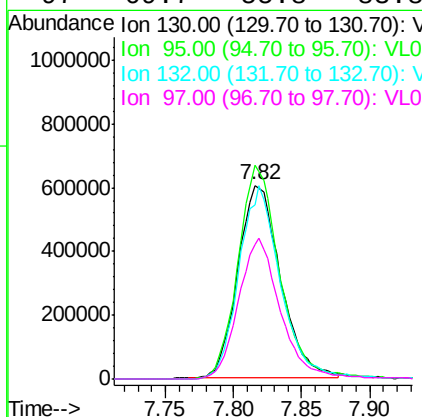
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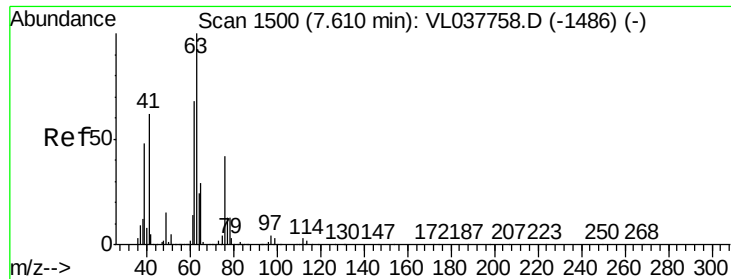
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#38  
 Trichloroethene  
 Concen: 10.610 ppbv  
 RT: 7.82 min Scan# 1564  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Tgt Ion: 130 Resp: 1320714  
 Ion Ratio Lower Upper  
 130 100  
 95 110.7 87.4 131.0  
 132 90.2 76.8 115.2  
 97 69.7 55.8 83.8





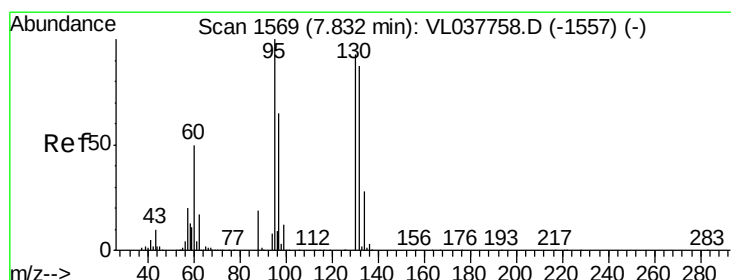
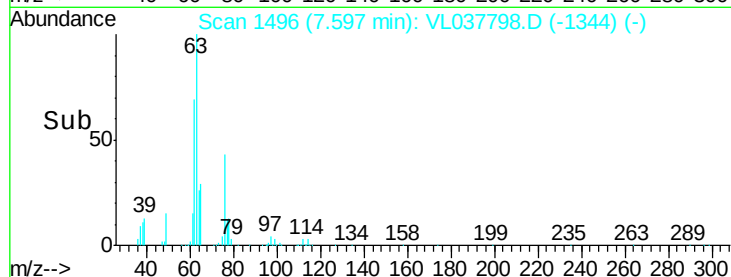
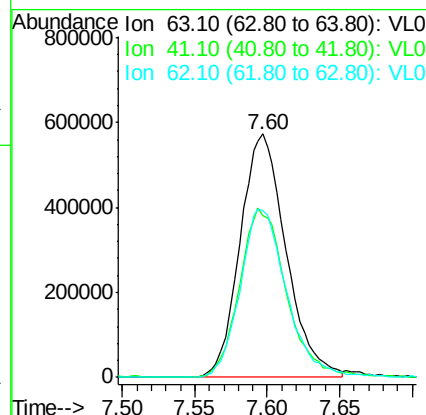
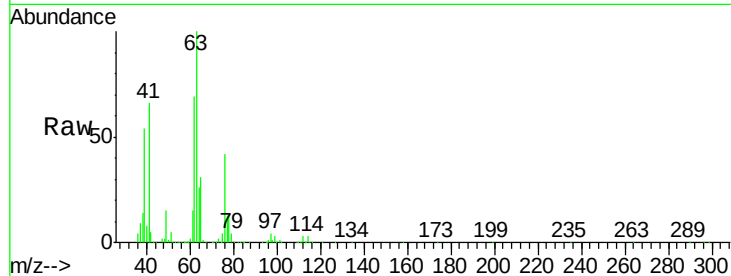
#39  
 1,2-Dichloropropane  
 Concen: 10.606 ppbv  
 RT: 7.60 min Scan# 1496  
 Delta R.T. -0.01 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 66.0  | 49.8  | 74.6  |
| 62      | 68.7  | 54.6  | 82.0  |

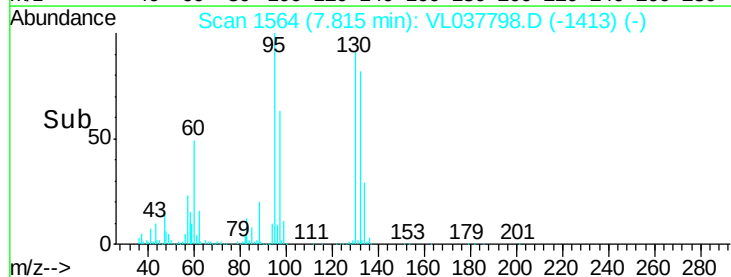
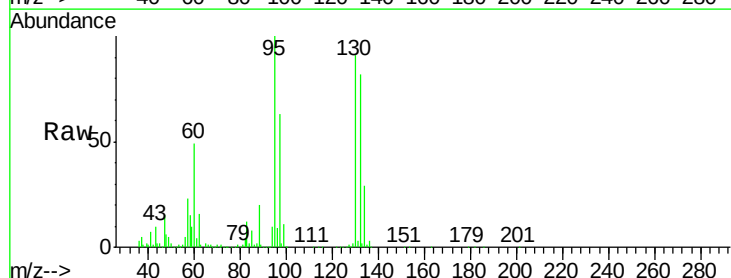
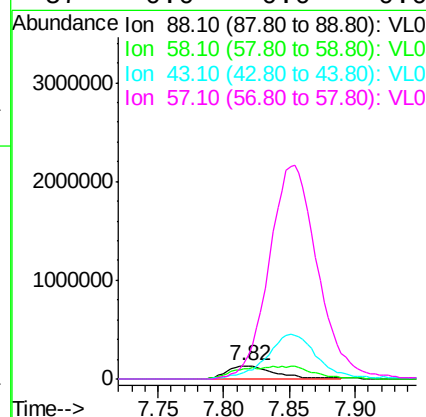
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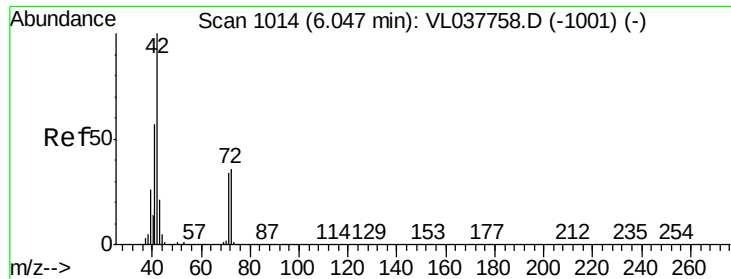


#40  
 1,4-Dioxane  
 Concen: 11.373 ppbv m  
 RT: 7.82 min Scan# 1564  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 0.0   | 0.0   | 0.0   |
| 43      | 0.0   | 0.0   | 0.0   |
| 57      | 0.0   | 0.0   | 0.0   |







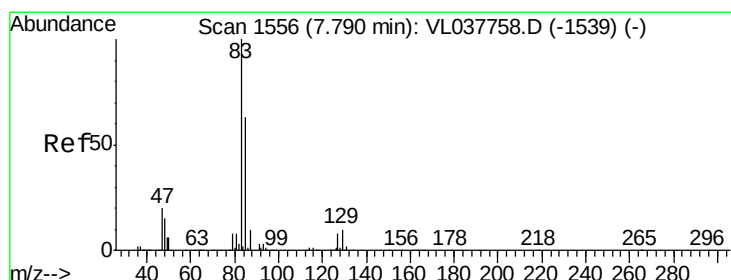
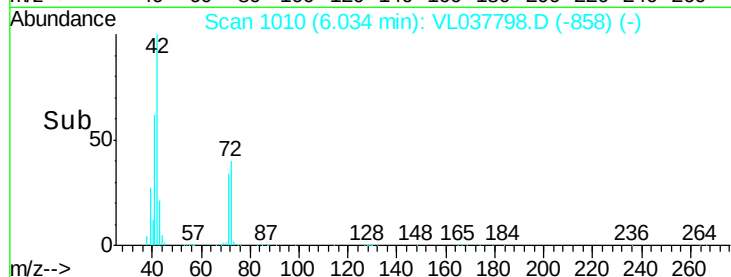
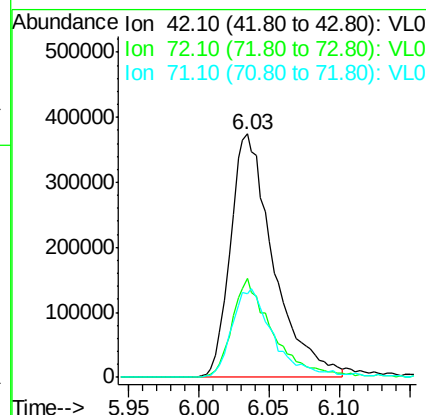
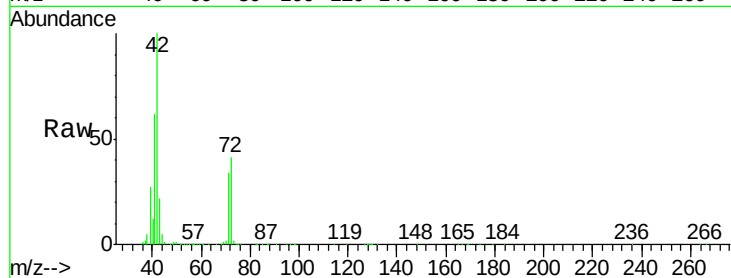
#41  
Tetrahydrofuran  
Concen: 10.975 ppbv  
RT: 6.03 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.1  | 31.9  | 47.9  |
| 71      | 36.4  | 30.3  | 45.5  |

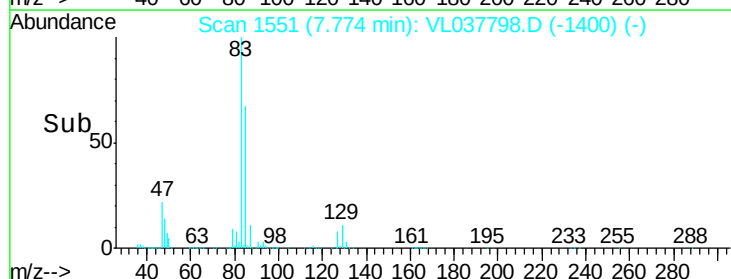
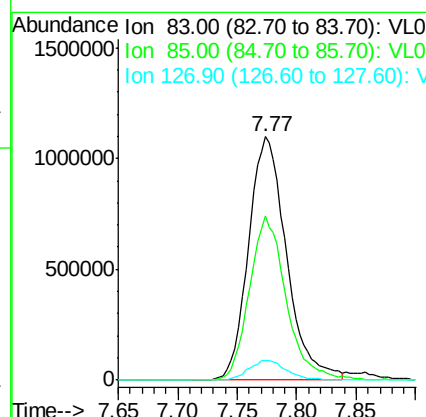
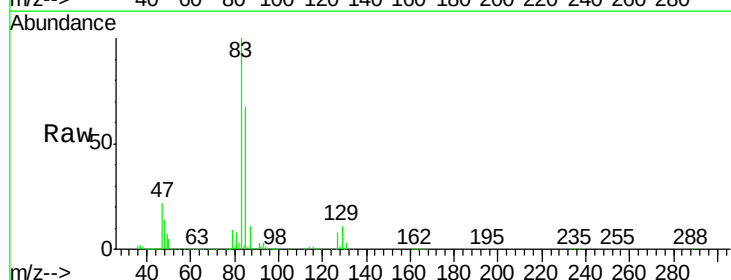
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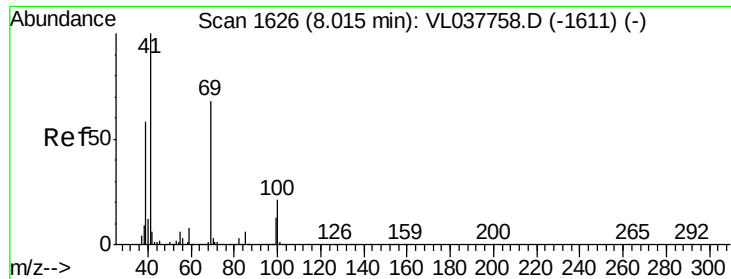
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#42  
Bromodichloromethane  
Concen: 11.128 ppbv  
RT: 7.77 min Scan# 1551  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.4  | 50.6  | 75.8  |
| 127     | 8.0   | 6.2   | 9.4   |





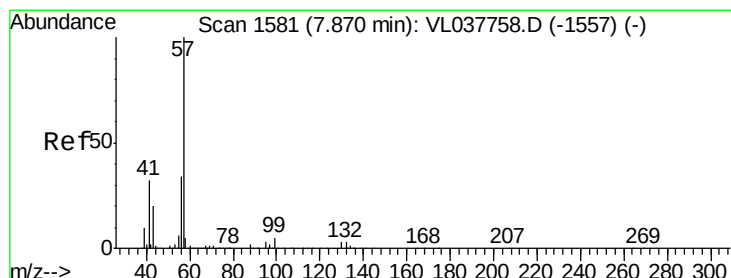
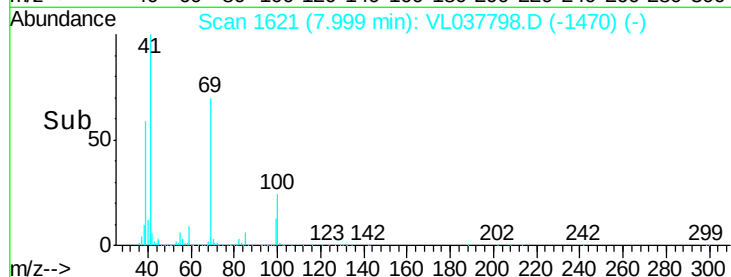
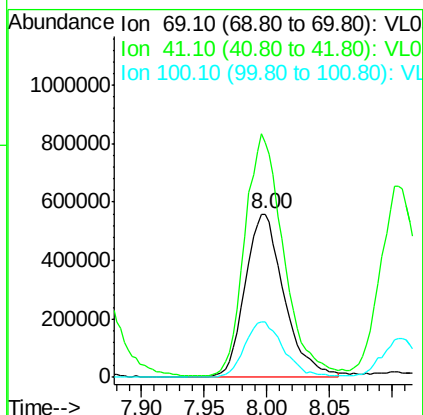
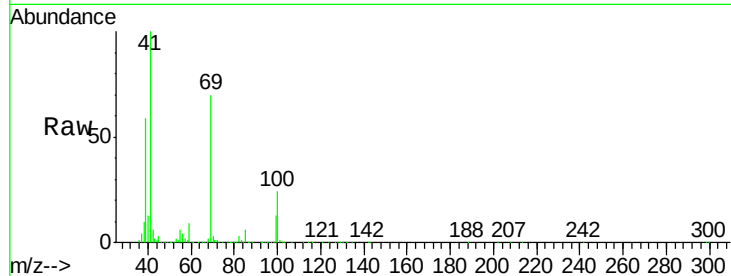
#43  
Methyl Methacrylate  
Concen: 11.725 ppbv  
RT: 8.00 min Scan# 1621  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 69 Resp: 1206701  
Ion Ratio Lower Upper  
69 100  
41 147.7 121.0 181.4  
100 34.4 27.7 41.5

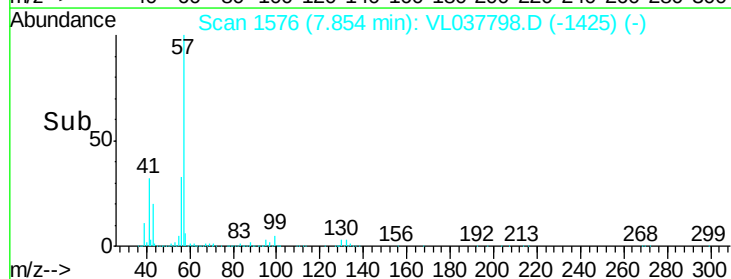
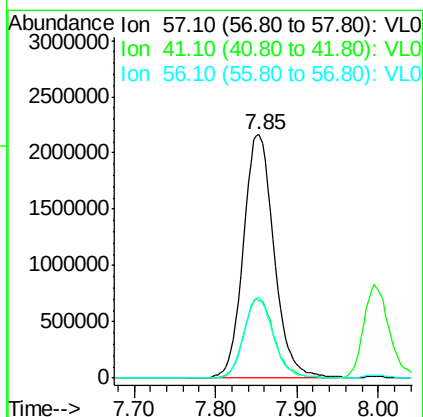
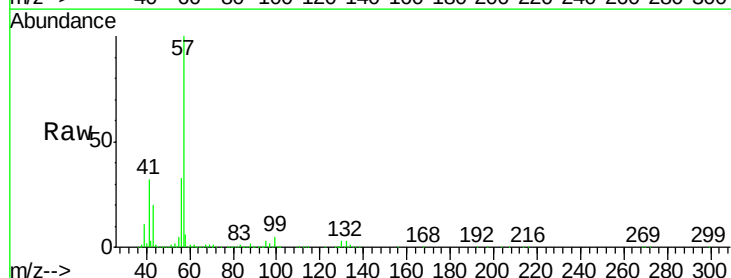
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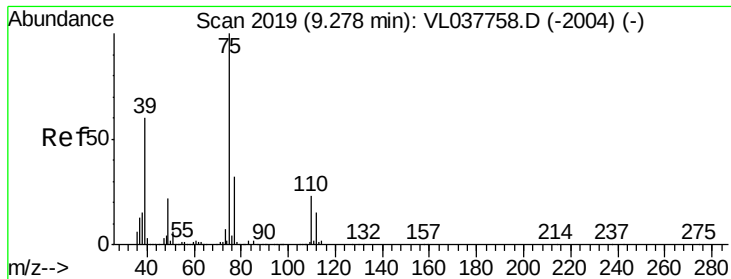
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#44  
2,2,4-Trimethylpentane  
Concen: 10.550 ppbv  
RT: 7.85 min Scan# 1576  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 57 Resp: 5585170  
Ion Ratio Lower Upper  
57 100  
41 32.5 25.6 38.4  
56 31.7 25.5 38.3





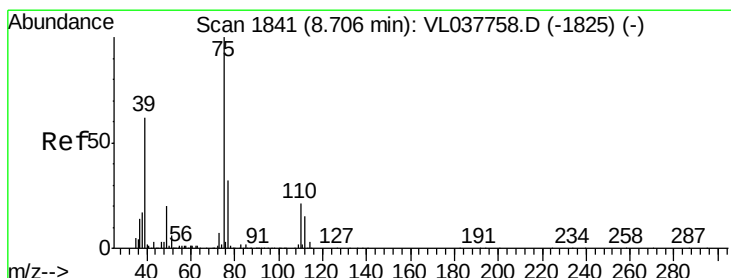
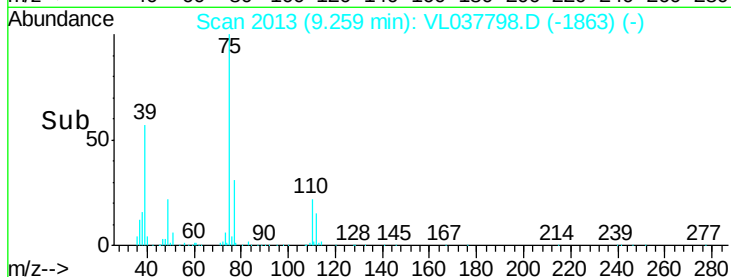
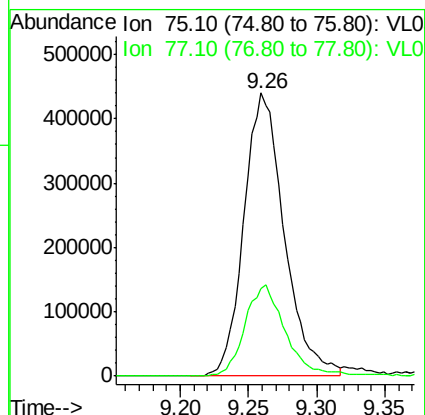
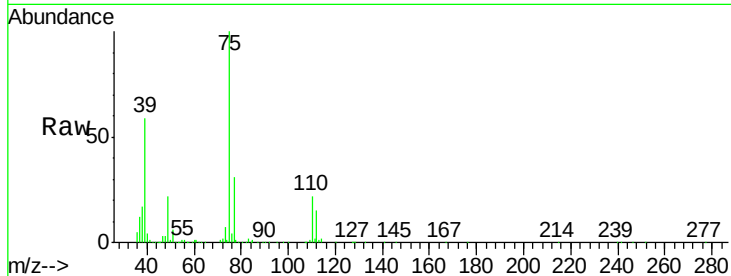
#45  
t-1,3-Dichloropropene  
Concen: 12.746 ppbv  
RT: 9.26 min Scan# 2013  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 75 Resp: 902616  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.2 37.8

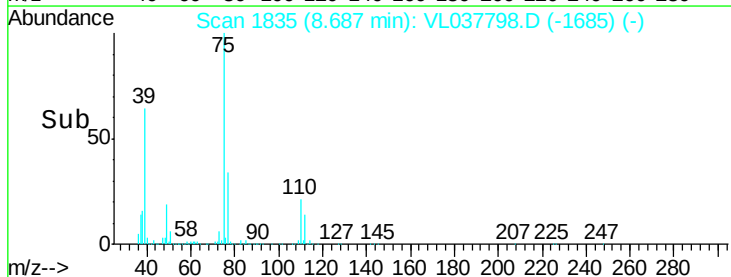
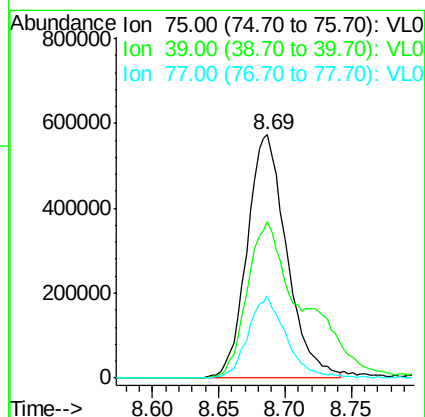
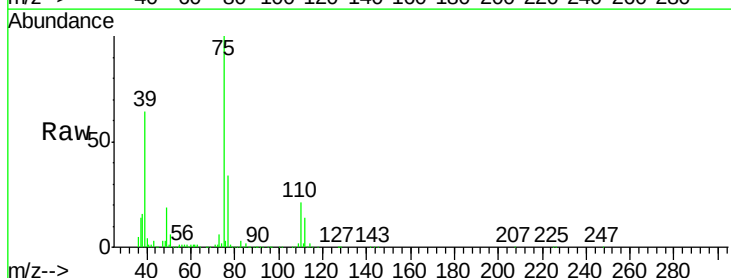
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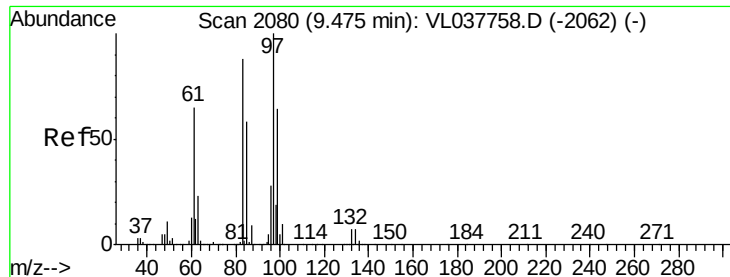
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#46  
cis-1,3-Dichloropropene  
Concen: 12.140 ppbv  
RT: 8.69 min Scan# 1835  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 75 Resp: 1191574  
Ion Ratio Lower Upper  
75 100  
39 64.2 49.9 74.9  
77 34.1 25.9 38.9





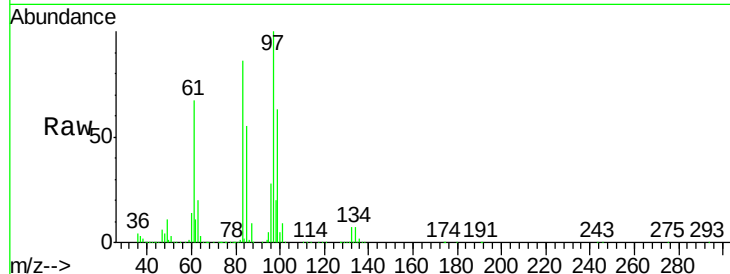
#47  
 1,1,2-Trichloroethane  
 Concen: 10.619 ppbv  
 RT: 9.46 min Scan# 2075  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

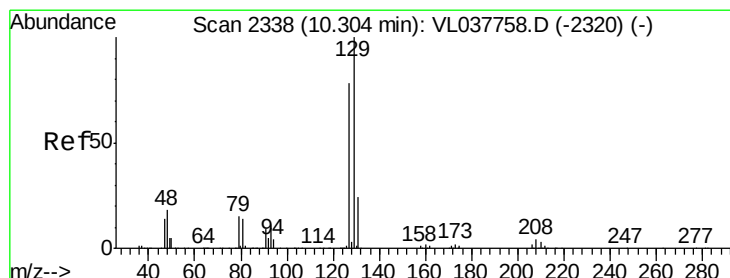
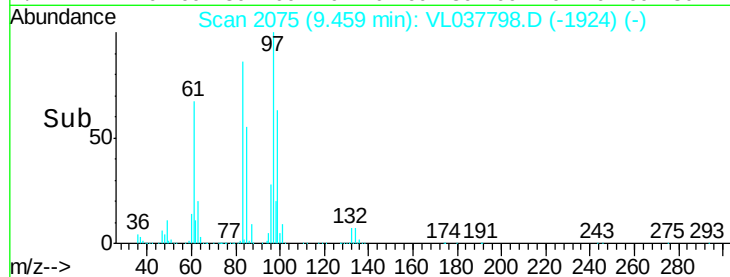
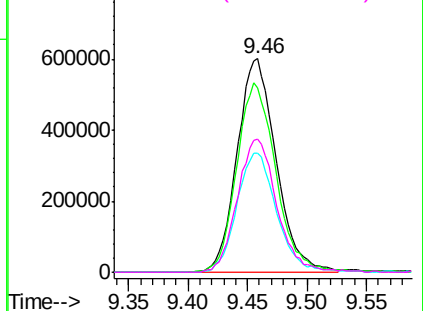
Tgt Ion: 97 Resp: 1368162  
 Ion Ratio Lower Upper  
 97 100  
 83 86.2 70.6 105.8  
 85 55.5 45.9 68.9  
 99 62.5 51.5 77.3

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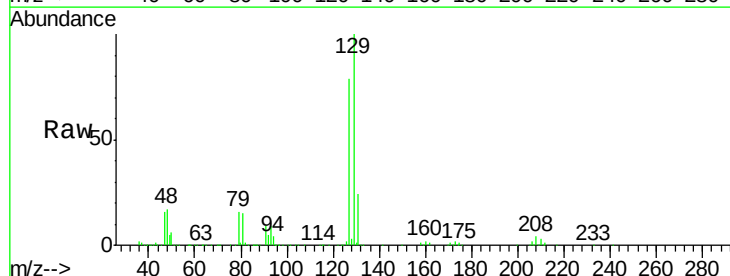


Abundance Ion 97.00 (96.70 to 97.70): VL0  
 Ion 83.00 (82.70 to 83.70): VL0  
 Ion 85.00 (84.70 to 85.70): VL0  
 Ion 99.00 (98.70 to 99.70): VL0

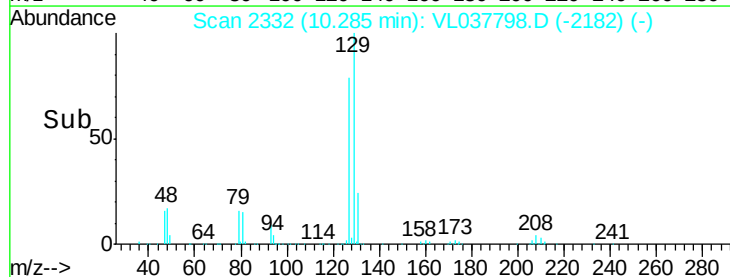
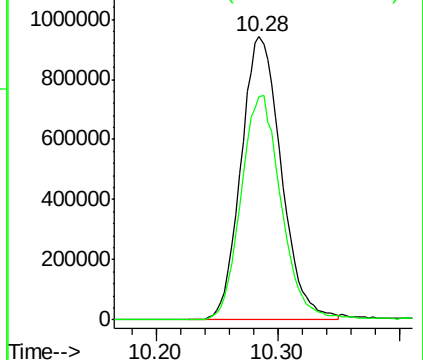


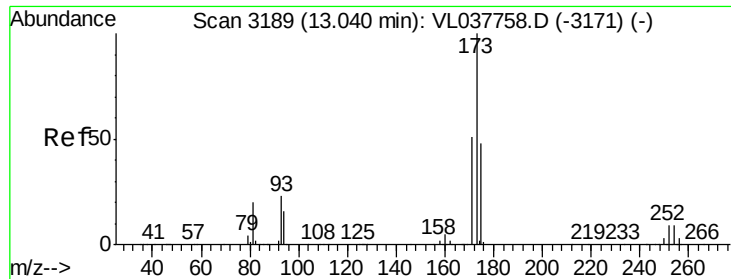
#48  
 Dibromochloromethane  
 Concen: 11.673 ppbv  
 RT: 10.28 min Scan# 2332  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Tgt Ion: 129 Resp: 2144060  
 Ion Ratio Lower Upper  
 129 100  
 127 79.8 39.5 118.5



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





#49

Bromoform

Concen: 12.297 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 173 Resp: 1728170

Ion Ratio Lower Upper

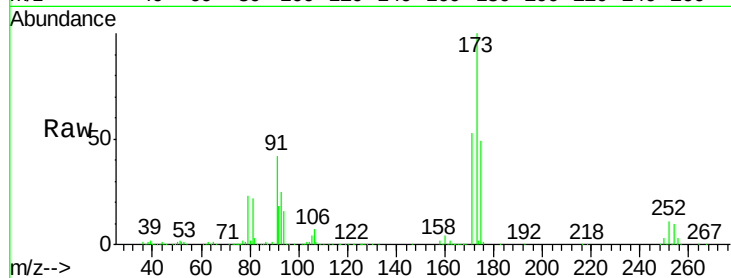
173 100

175 52.6 39.9 59.9

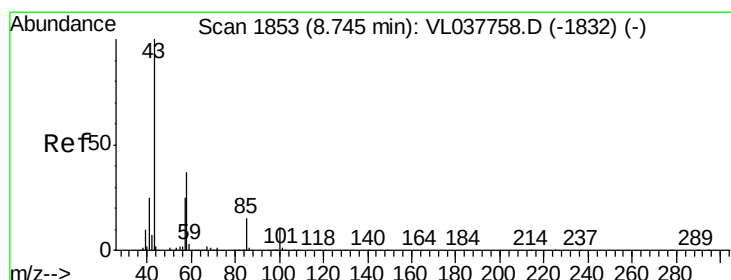
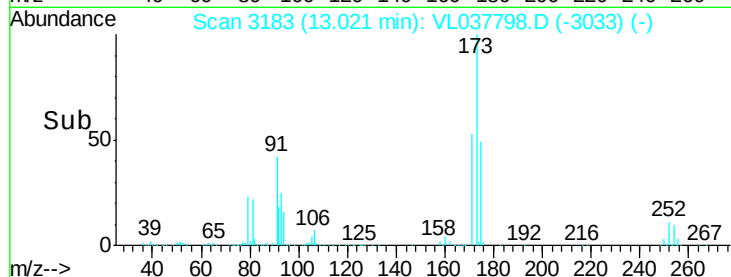
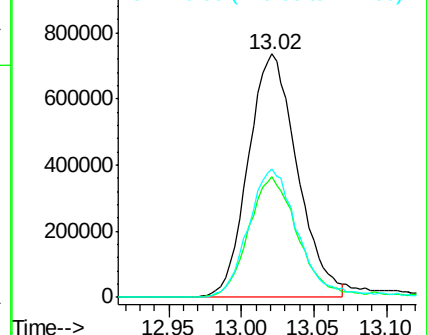
171 54.2 43.4 65.2

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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: 11.239 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.02 min

Lab File: VL037798.D

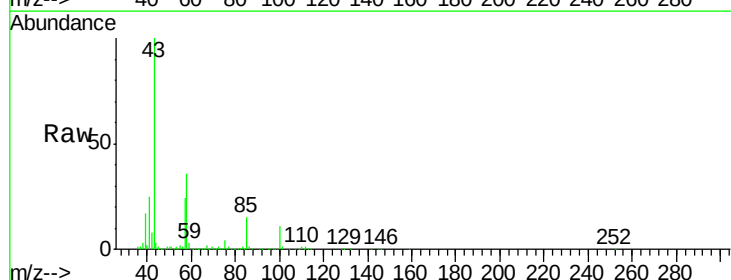
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Tgt Ion: 43 Resp: 2178895

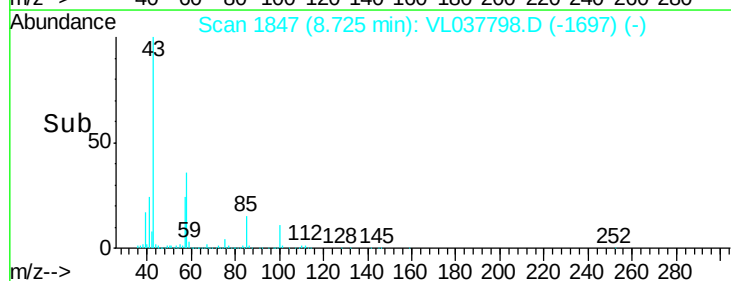
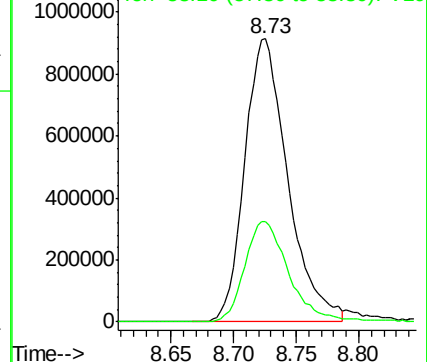
Ion Ratio Lower Upper

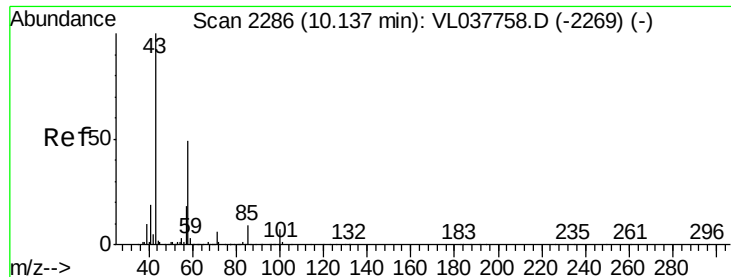
43 100

58 36.8 29.4 44.0



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





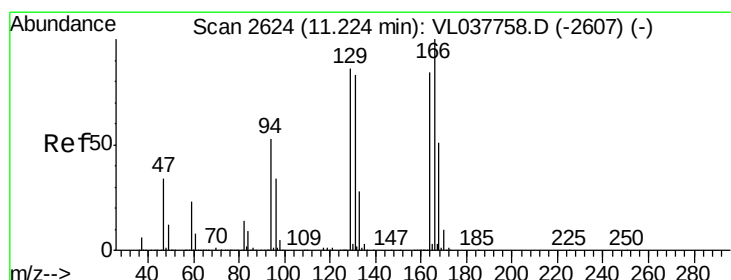
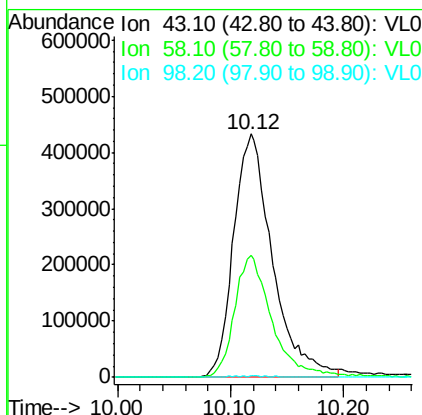
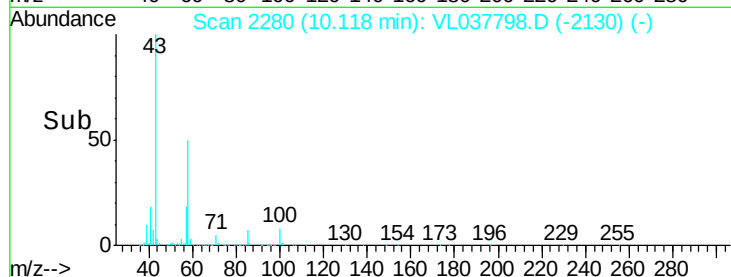
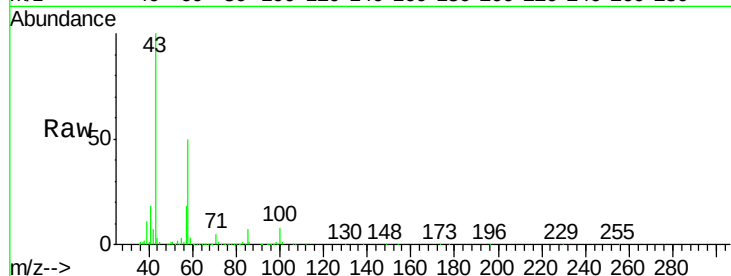
#51  
2-Hexanone  
Concen: 11.938 ppbv  
RT: 10.12 min Scan# 2280  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 43 Resp: 1033221  
Ion Ratio Lower Upper  
43 100  
58 48.8 39.4 59.0  
98 0.9 0.3 0.5#

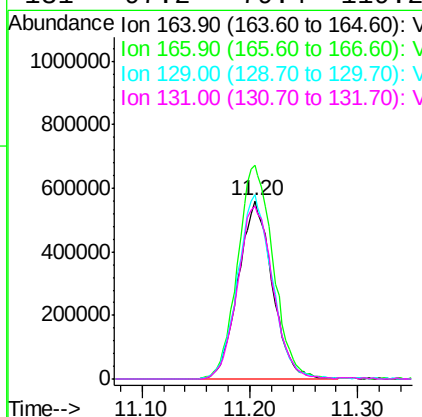
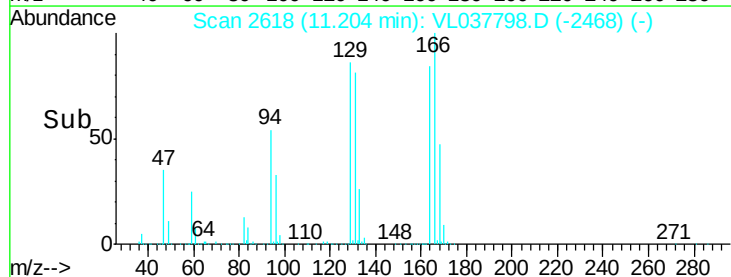
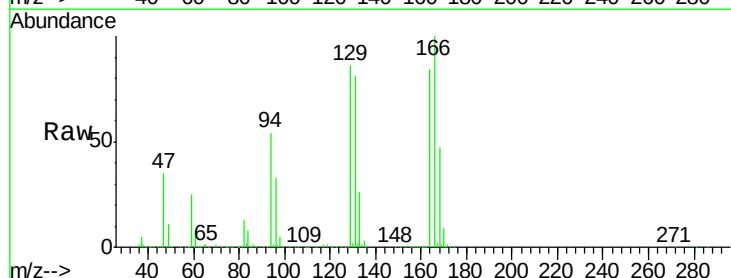
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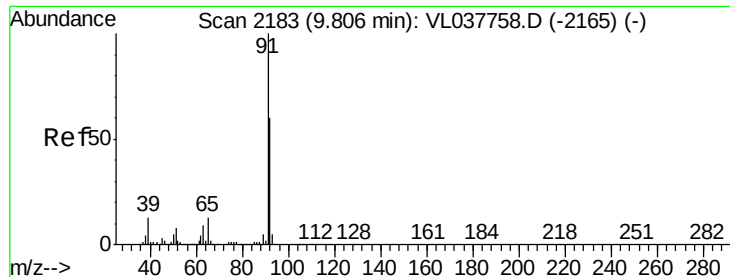
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#52  
Tetrachloroethene  
Concen: 10.094 ppbv  
RT: 11.20 min Scan# 2618  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 164 Resp: 1237434  
Ion Ratio Lower Upper  
164 100  
166 119.7 95.4 143.2  
129 103.3 82.2 123.4  
131 97.2 79.4 119.2





#53

Toluene

Concen: 11.107 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 91 Resp: 3878467

Ion Ratio Lower Upper

91 100

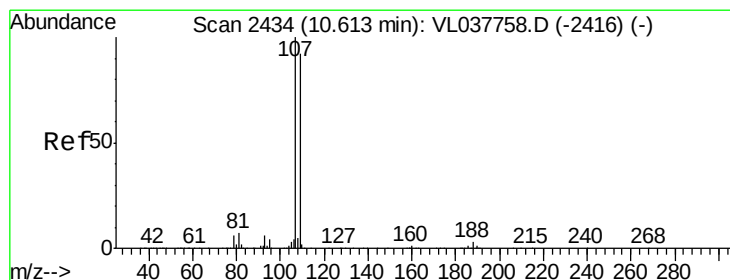
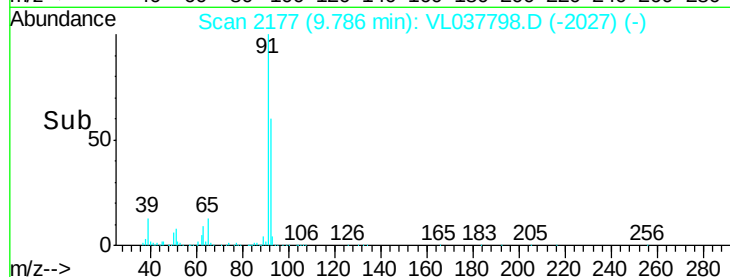
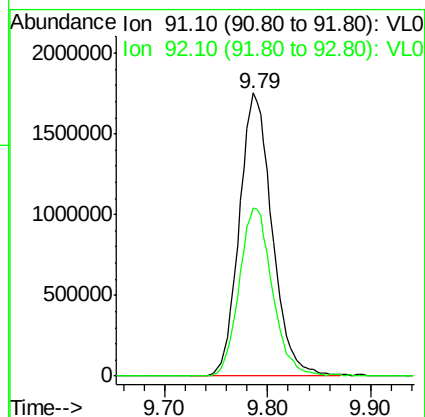
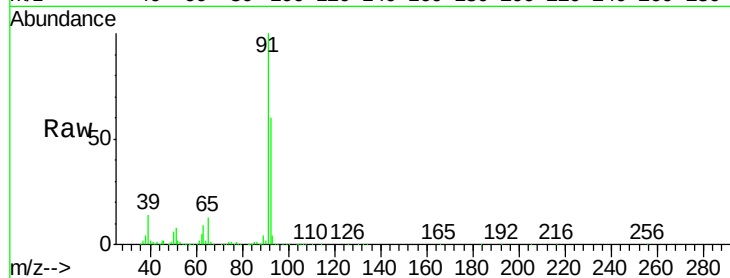
92 60.4 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.868 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.02 min

Lab File: VL037798.D

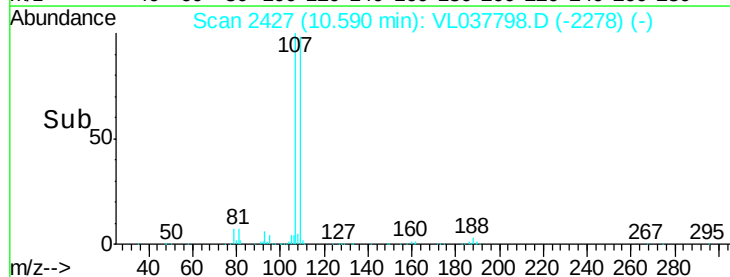
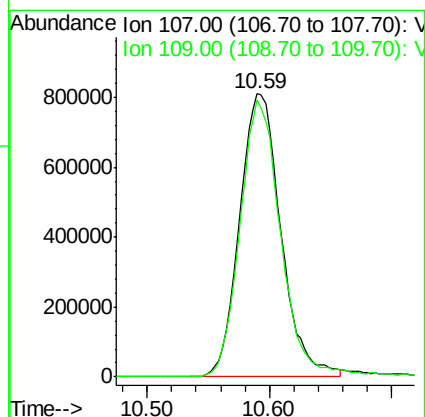
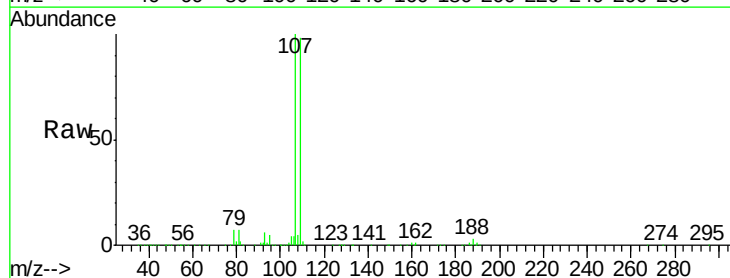
Acq: 7 Oct 2021 15:49

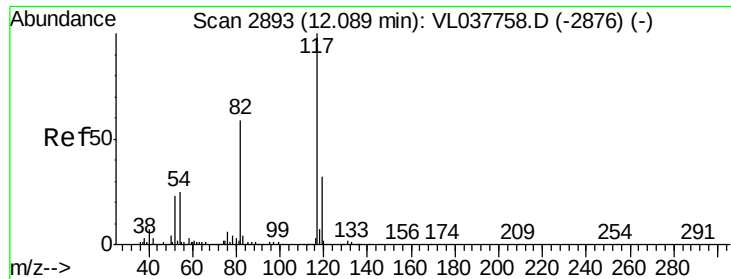
Tgt Ion: 107 Resp: 1891395

Ion Ratio Lower Upper

107 100

109 97.7 73.8 110.6





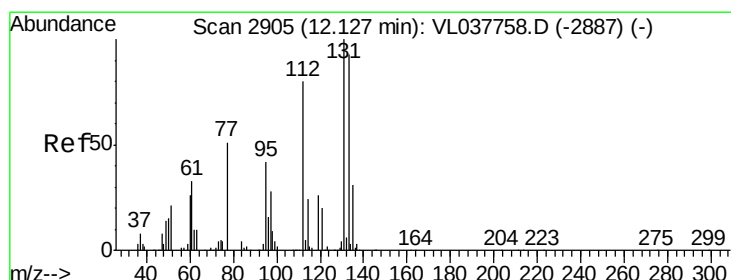
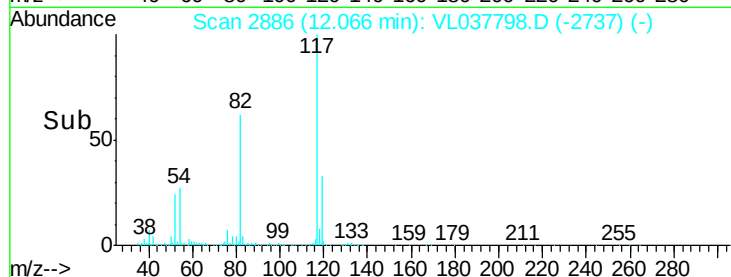
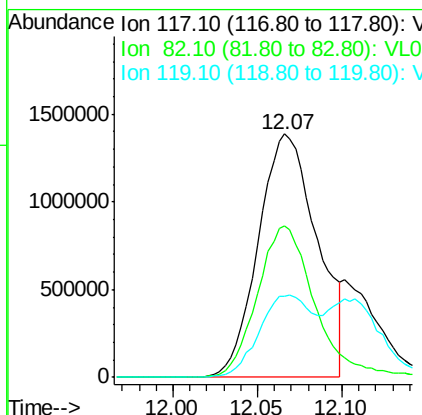
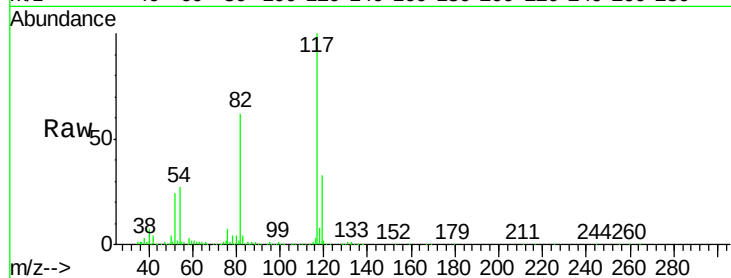
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.07 min Scan# 2886  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion:117 Resp: 3358230  
Ion Ratio Lower Upper  
117 100  
82 62.2 52.2 78.2  
119 28.1 26.0 39.0

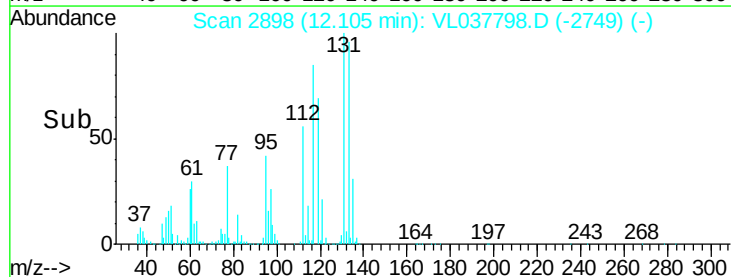
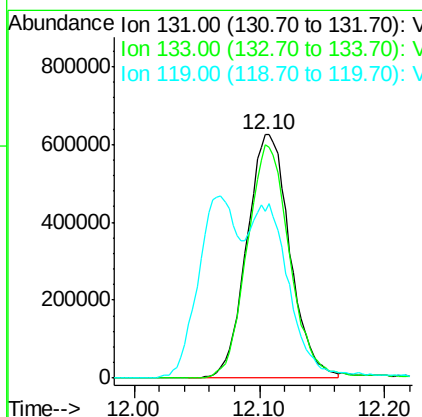
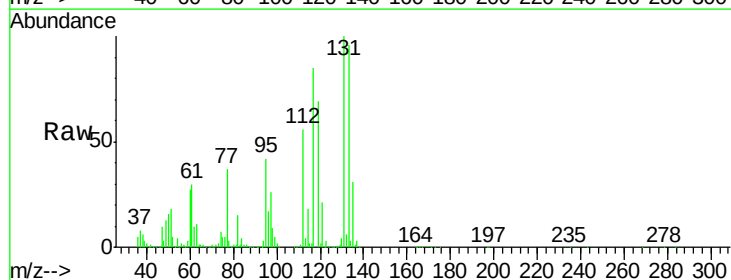
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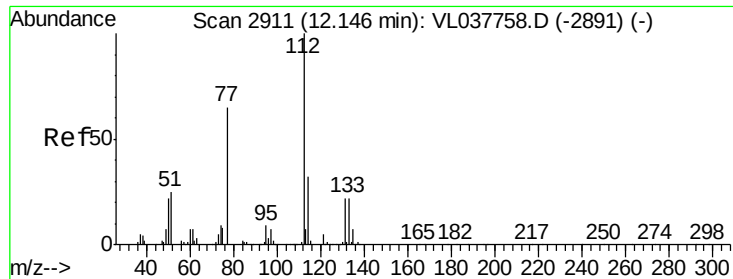


#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.711 ppbv  
RT: 12.10 min Scan# 2898  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion:131 Resp: 1489038  
Ion Ratio Lower Upper  
131 100  
133 96.5 78.5 117.7  
119 67.5 51.7 77.5







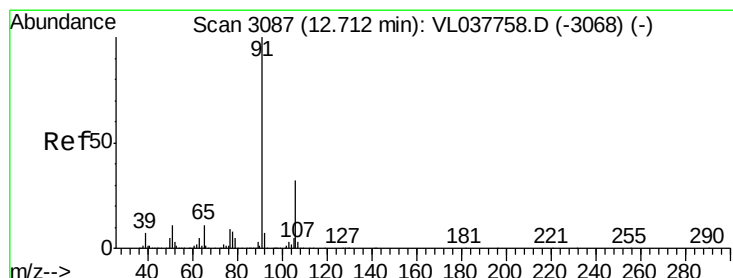
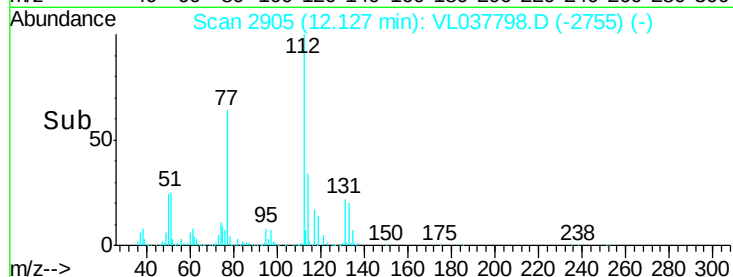
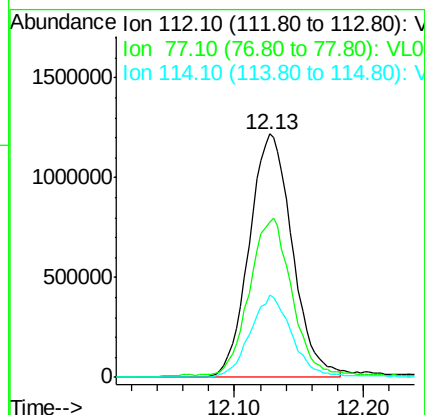
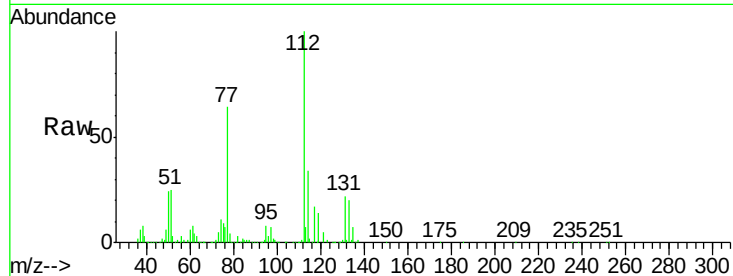
#57  
Chlorobenzene  
Concen: 10.286 ppbv  
RT: 12.13 min Scan# 2905  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 112 Resp: 2833572  
Ion Ratio Lower Upper  
112 100  
77 62.9 51.8 77.8  
114 33.7 28.8 35.2

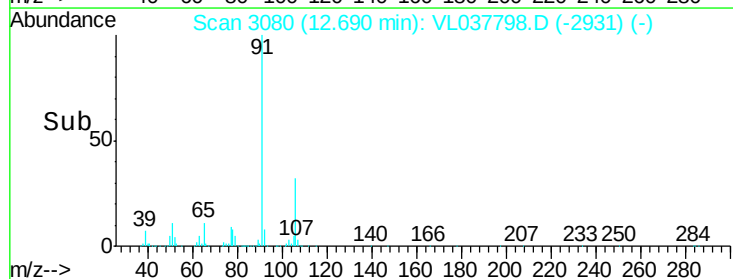
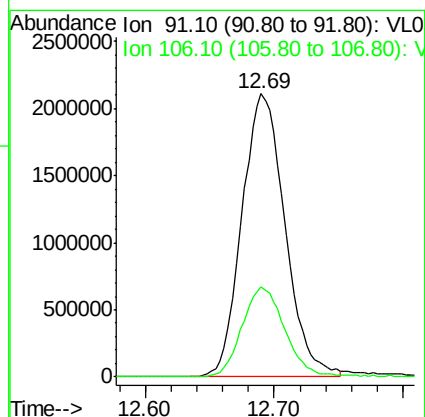
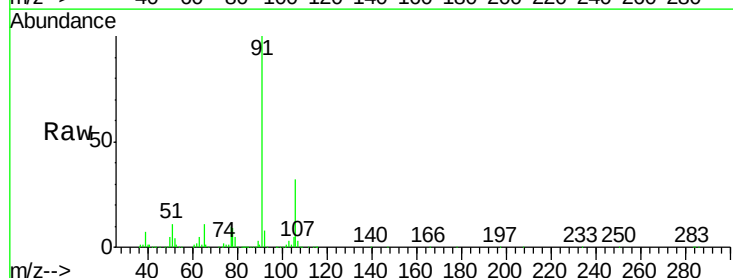
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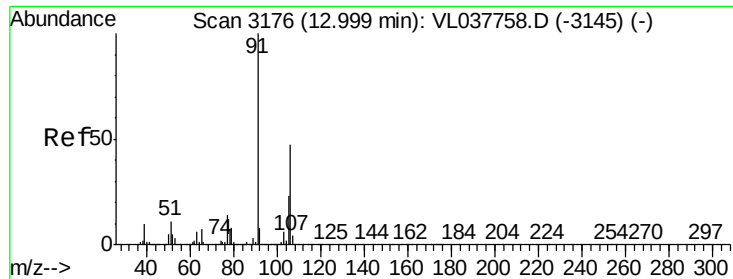
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#58  
Ethyl Benzene  
Concen: 10.886 ppbv  
RT: 12.69 min Scan# 3080  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 91 Resp: 4908919  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.3 37.9





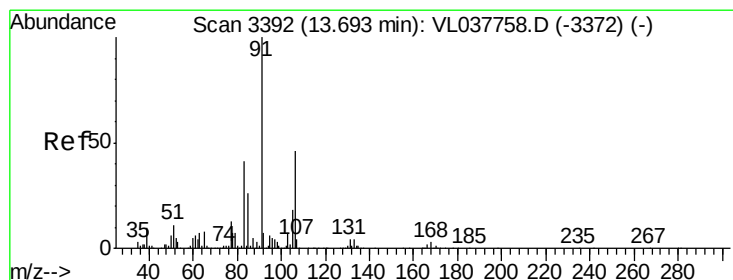
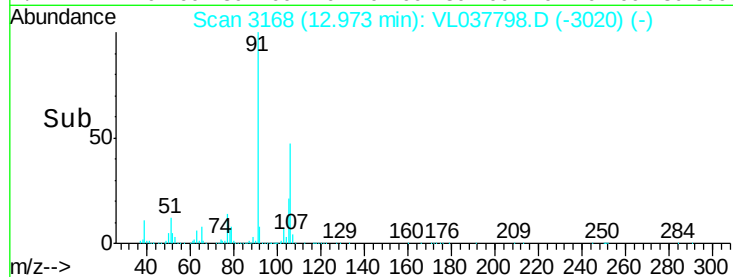
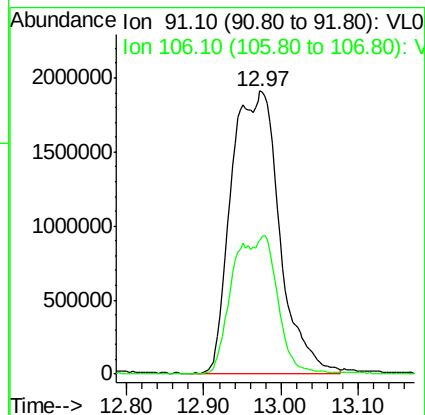
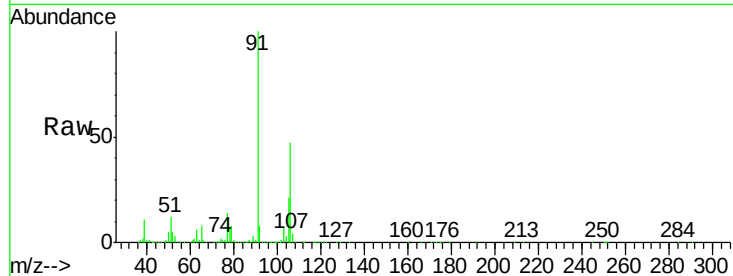
#59  
m/p-Xylene  
Concen: 21.397 ppbv m  
RT: 12.97 min Scan# 3168  
Delta R.T. -0.03 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion: 91 Resp: 8282368  
Ion Ratio Lower Upper  
91 100  
106 45.7 36.7 55.1

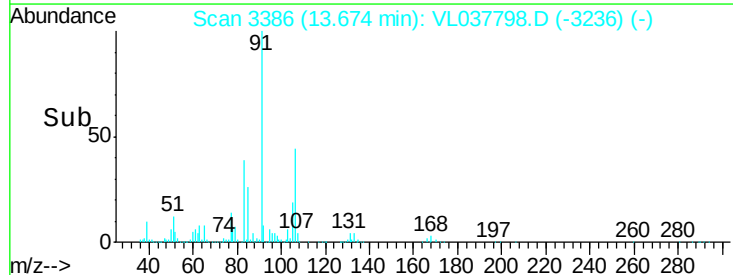
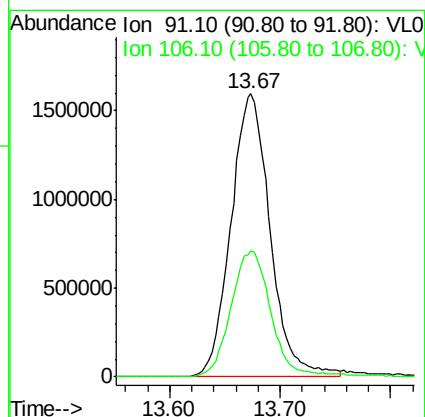
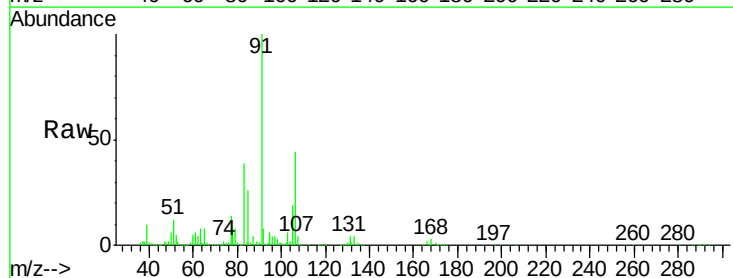
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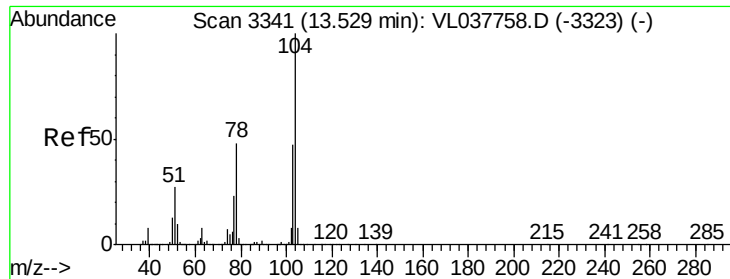
apatel  
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#60  
o-Xylene  
Concen: 10.531 ppbv  
RT: 13.67 min Scan# 3386  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 91 Resp: 3906495  
Ion Ratio Lower Upper  
91 100  
106 46.1 23.5 70.5





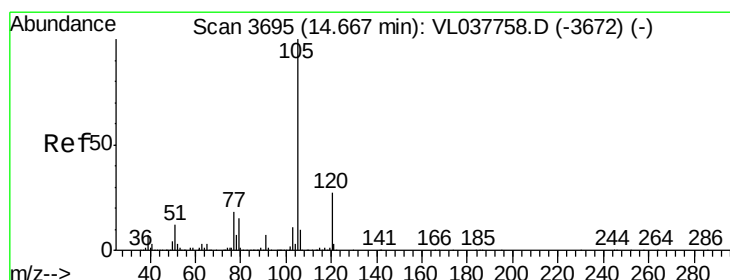
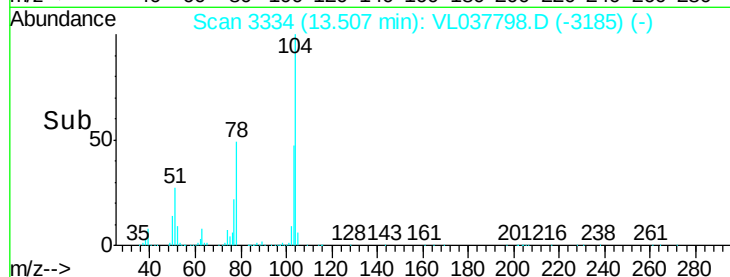
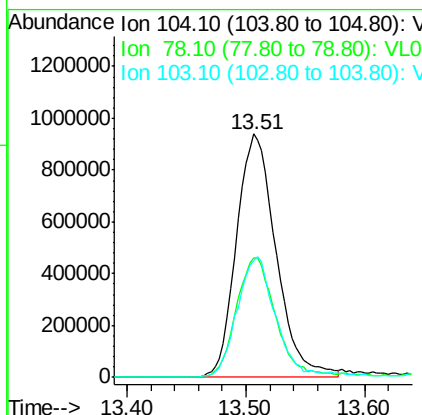
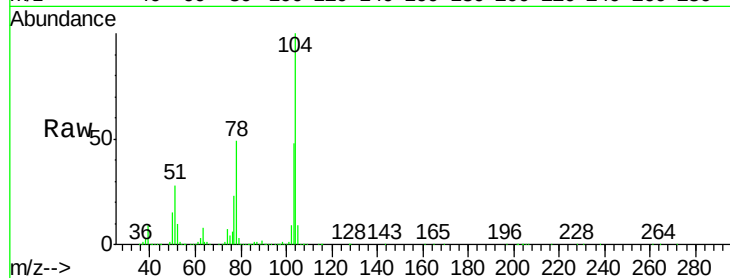
#61  
Styrene  
Concen: 12.075 ppbv  
RT: 13.51 min Scan# 3334  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion:104 Resp: 2166649  
Ion Ratio Lower Upper  
104 100  
78 50.3 40.6 61.0  
103 48.9 39.6 59.4

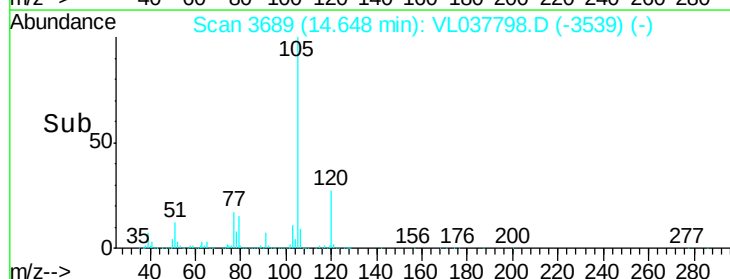
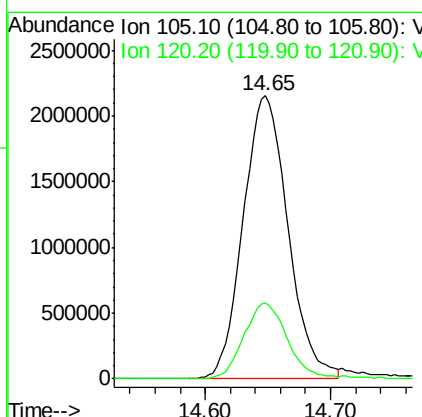
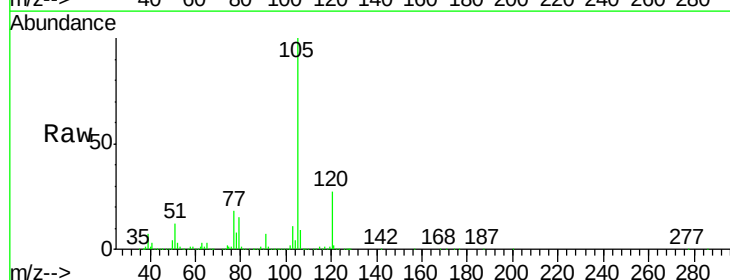
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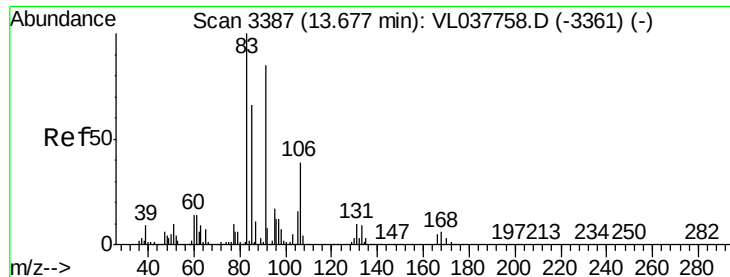
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#62  
Isopropylbenzene  
Concen: 10.332 ppbv  
RT: 14.65 min Scan# 3689  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion:105 Resp: 5346068  
Ion Ratio Lower Upper  
105 100  
120 27.0 21.3 31.9





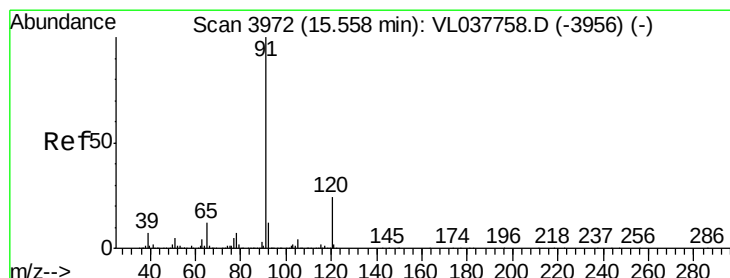
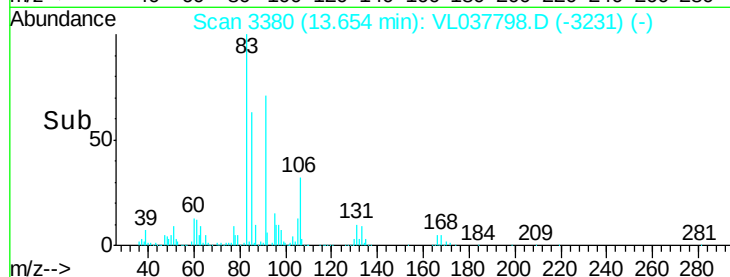
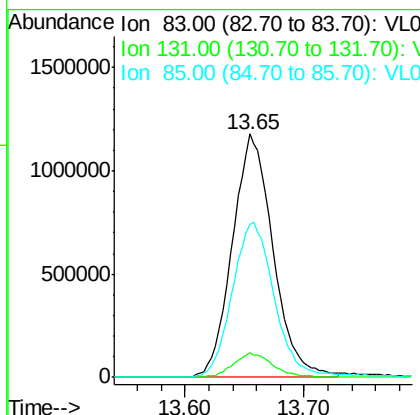
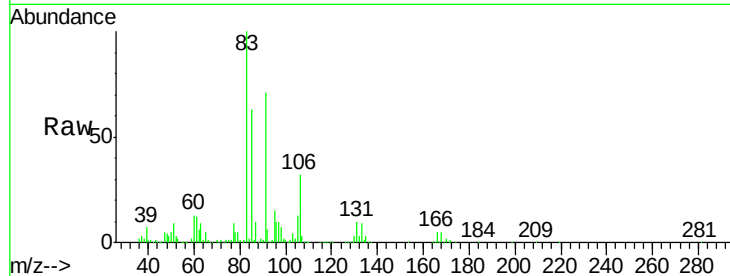
#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 9.676 ppbv  
 RT: 13.65 min Scan# 3380  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1007ABS01

Tgt Ion: 83 Resp: 2769786  
 Ion Ratio Lower Upper  
 83 100  
 131 9.9 5.0 15.0  
 85 66.9 33.1 99.5

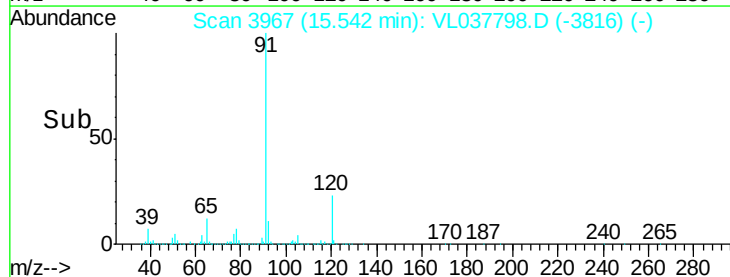
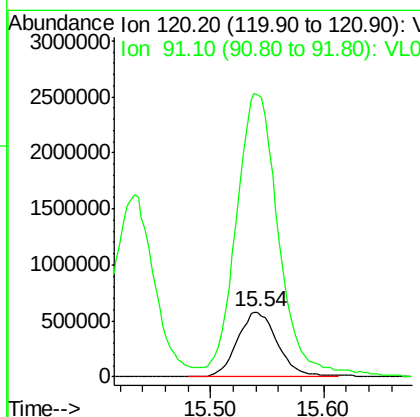
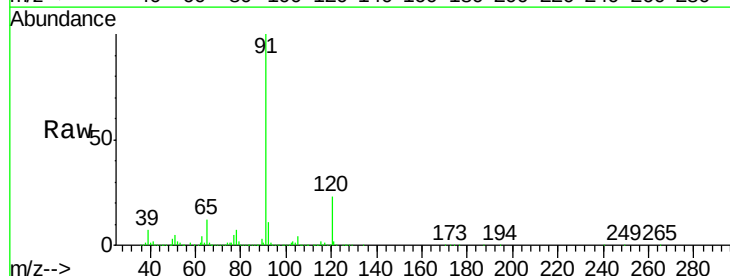
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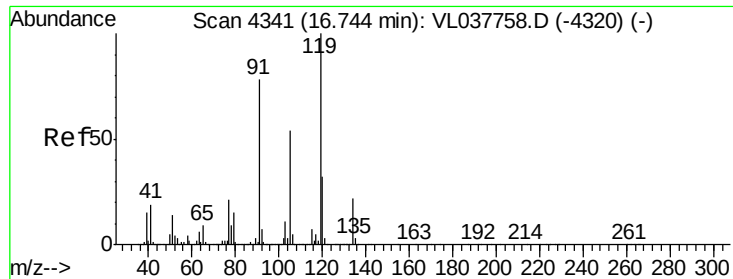
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#64  
 n-propylbenzene  
 Concen: 11.122 ppbv  
 RT: 15.54 min Scan# 3967  
 Delta R.T. -0.02 min  
 Lab File: VL037798.D  
 Acq: 7 Oct 2021 15:49

Tgt Ion: 120 Resp: 1435040  
 Ion Ratio Lower Upper  
 120 100  
 91 464.9 375.0 562.6





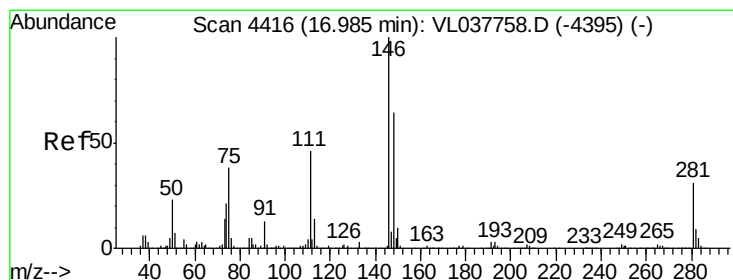
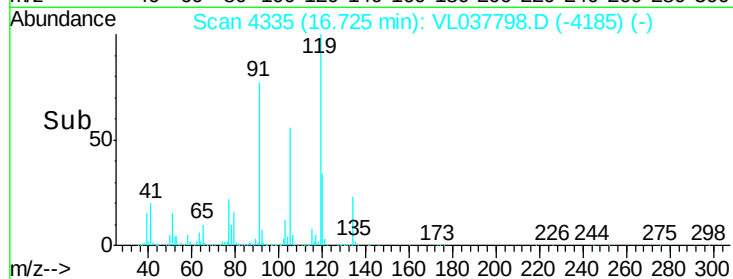
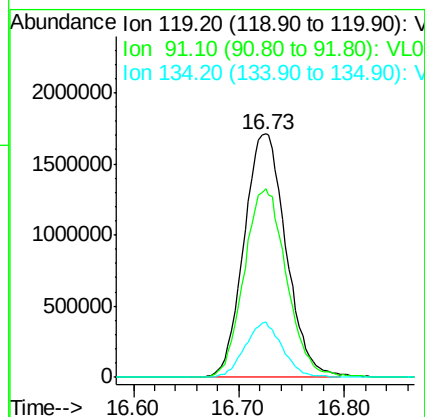
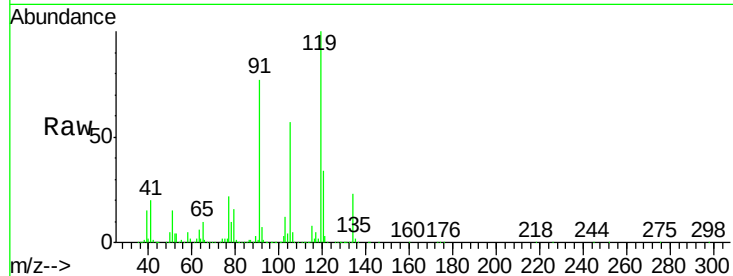
#65  
tert-Butylbenzene  
Concen: 10.385 ppbv  
RT: 16.73 min Scan# 4335  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1007ABS01

Tgt Ion:119 Resp: 4728540  
Ion Ratio Lower Upper  
119 100  
91 78.3 62.6 94.0  
134 20.5 16.3 24.5

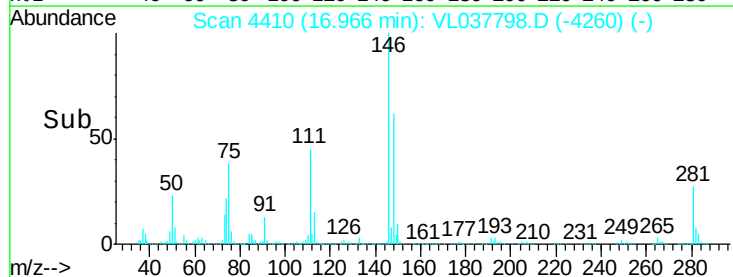
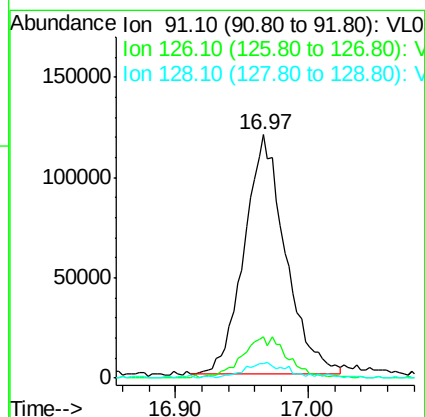
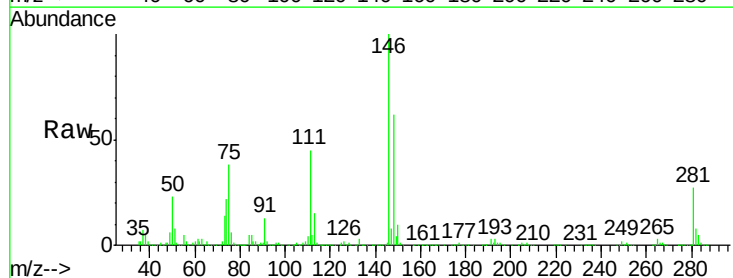
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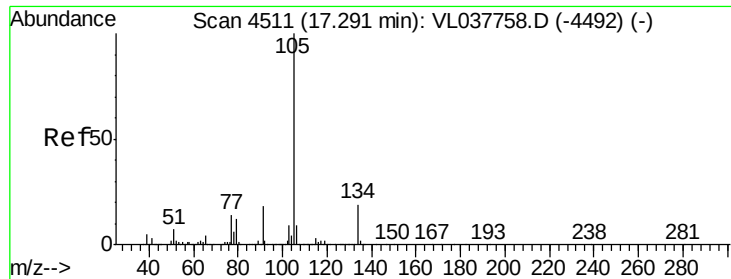
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#66  
Benzyl Chloride  
Concen: 11.543 ppbv  
RT: 16.97 min Scan# 4410  
Delta R.T. -0.02 min  
Lab File: VL037798.D  
Acq: 7 Oct 2021 15:49

Tgt Ion: 91 Resp: 259378  
Ion Ratio Lower Upper  
91 100  
126 19.7 0.0 0.0#  
128 8.2 5.3 7.9#





#67

sec-Butylbenzene

Concen: 10.585 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

Instrument :

MSVOA\_L

ClientSampleId :

VL1007ABS01

Tgt Ion: 105 Resp: 6591673

Ion Ratio Lower Upper

105 100

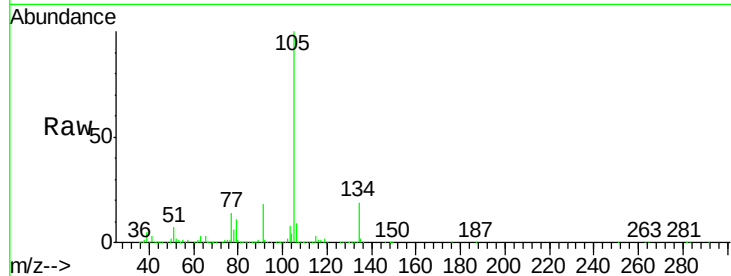
134 19.2 15.4 23.0

Manual Integrations

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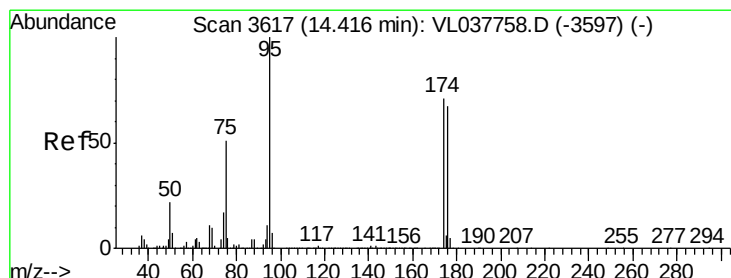
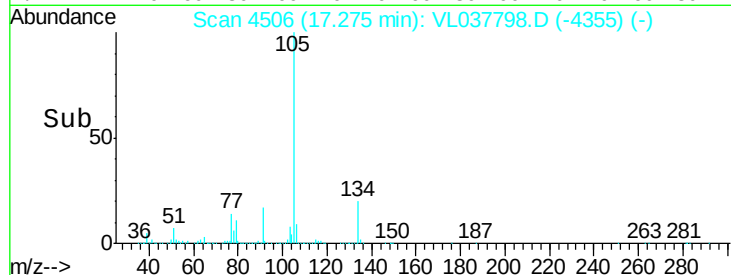
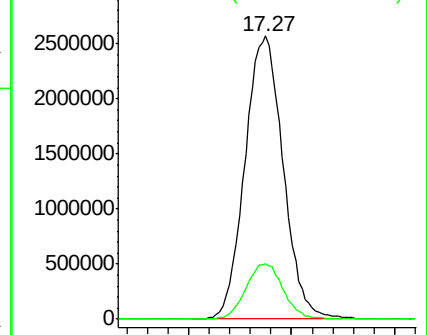
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.115 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL037798.D

Acq: 7 Oct 2021 15:49

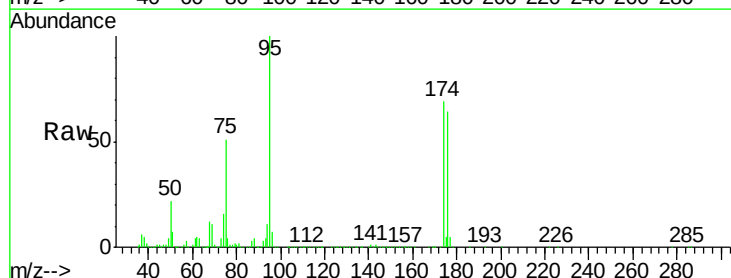
Tgt Ion: 95 Resp: 2375416

Ion Ratio Lower Upper

95 100

174 73.4 57.8 86.6

175 5.5 4.7 7.1



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

