

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\  
 Data File : VL038876.D  
 Acq On : 11 Apr 2022 19:00  
 Operator : SY/AP  
 Sample : N2332-01DL 4X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-1DL

Quant Time: Apr 12 02:50:12 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
 QLast Update : Wed Apr 06 06:12:53 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1280547  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3321478  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3049265  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2419935  | 10.46    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.60% |

| Target Compounds           |       |     |          |         | Ovalue     |
|----------------------------|-------|-----|----------|---------|------------|
| 2) Dichlorodifluoromethane | 3.05  | 85  | 24289    | 0.134   | ppbv 95    |
| 3) Chlorodifluoromethane   | 2.99  | 51  | 17193    | 0.110   | ppbv # 90  |
| 4) Chloromethane           | 3.14  | 50  | 9932     | 0.123   | ppbv # 86  |
| 9) Propene                 | 3.01  | 41  | 575081   | 6.955   | ppbv 94    |
| 10) Heptane                | 8.11  | 43  | 2644385  | 12.697  | ppbv 98    |
| 13) Ethanol                | 3.60  | 45  | 699513   | 139.211 | ppbv # 100 |
| 15) Acetone                | 3.84  | 43  | 16685159 | 130.874 | ppbv # 85  |
| 16) 1,3-Butadiene          | 3.31  | 39  | 147753   | 2.027   | ppbv # 33  |
| 17) tert-Butyl alcohol     | 3.91  | 59  | 3433     | 0.030   | ppbv # 1   |
| 19) Isopropyl Alcohol      | 3.96  | 45  | 23132    | 0.355   | ppbv # 100 |
| 20) Methylene Chloride     | 4.35  | 84  | 67931    | 1.469   | ppbv 89    |
| 21) Allyl Chloride         | 4.37  | 41  | 37656    | 0.394   | ppbv # 45  |
| 23) Vinyl Acetate          | 5.06  | 43  | 197104   | 1.588   | ppbv # 1   |
| 25) Ethyl Acetate          | 5.67  | 43  | 2180319  | 6.740   | ppbv # 95  |
| 26) Hexane                 | 5.69  | 57  | 494679   | 3.360   | ppbv # 17  |
| 30) Cyclohexane            | 7.13  | 84  | 185829   | 1.432   | ppbv 84    |
| 31) cis-1,2-Dichloroethene | 5.67  | 61  | 233444   | 1.724   | ppbv # 24  |
| 34) 2-Butanone             | 5.25  | 43  | 91122    | 0.694   | ppbv # 89  |
| 36) Benzene                | 6.89  | 78  | 699396   | 2.315   | ppbv 97    |
| 39) 1,2-Dichloropropane    | 7.24  | 63  | 9809     | 0.085   | ppbv # 1   |
| 42) Bromodichloromethane   | 7.78  | 83  | 49986    | 0.229   | ppbv # 25  |
| 44) 2,2,4-Trimethylpentane | 7.86  | 57  | 753983   | 1.474   | ppbv # 61  |
| 50) 4-Methyl-2-Pentanone   | 8.75  | 43  | 126451   | 0.428   | ppbv 93    |
| 51) 2-Hexanone             | 10.10 | 43  | 24112    | 0.108   | ppbv # 32  |
| 52) Tetrachloroethene      | 11.21 | 164 | 84191    | 0.798   | ppbv 94    |
| 53) Toluene                | 9.80  | 91  | 15153399 | 43.443  | ppbv 90    |
| 58) Ethyl Benzene          | 12.70 | 91  | 811579   | 1.781   | ppbv 94    |
| 59) m/p-Xylene             | 12.96 | 91  | 2111556  | 5.516   | ppbv 99    |
| 60) o-Xylene               | 13.68 | 91  | 800973   | 2.236   | ppbv 96    |
| 61) Styrene                | 13.52 | 104 | 42056    | 0.193   | ppbv 97    |
| 62) Isopropylbenzene       | 14.65 | 105 | 45431    | 0.084   | ppbv # 85  |
| 64) n-propylbenzene        | 15.55 | 120 | 49841    | 0.357   | ppbv 67    |
| 65) tert-Butylbenzene      | 16.74 | 119 | 46047    | 0.097   | ppbv # 1   |
| 66) Benzyl Chloride        | 17.20 | 91  | 17787    | 0.183   | ppbv # 65  |
| 67) sec-Butylbenzene       | 17.28 | 105 | 35629    | 0.053   | ppbv # 69  |
| 70) n-Butylbenzene         | 18.54 | 91  | 175327   | 0.317   | ppbv # 51  |
| 71) 2-Chlorotoluene        | 15.55 | 91  | 255289   | 0.631   | ppbv # 43  |
| 72) 4-Ethyltoluene         | 15.82 | 105 | 153515   | 0.359   | ppbv # 55  |
| 73) 1,3,5-Trimethylbenzene | 15.99 | 105 | 296846   | 0.773   | ppbv 90    |
| 74) 1,2,4-Trimethylbenzene | 16.75 | 105 | 1100985  | 2.711   | ppbv # 70  |
| 79) Naphthalene            | 22.18 | 128 | 52331    | 0.172   | ppbv # 93  |

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Instrument :  
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ClientSampleId :  
IA-1DL

Quant Time: Apr 12 02:50:12 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Apr 06 06:12:53 2022  
QLast Update : Wed Apr 06 06:12:53 2022  
Response via : Initial Calibration

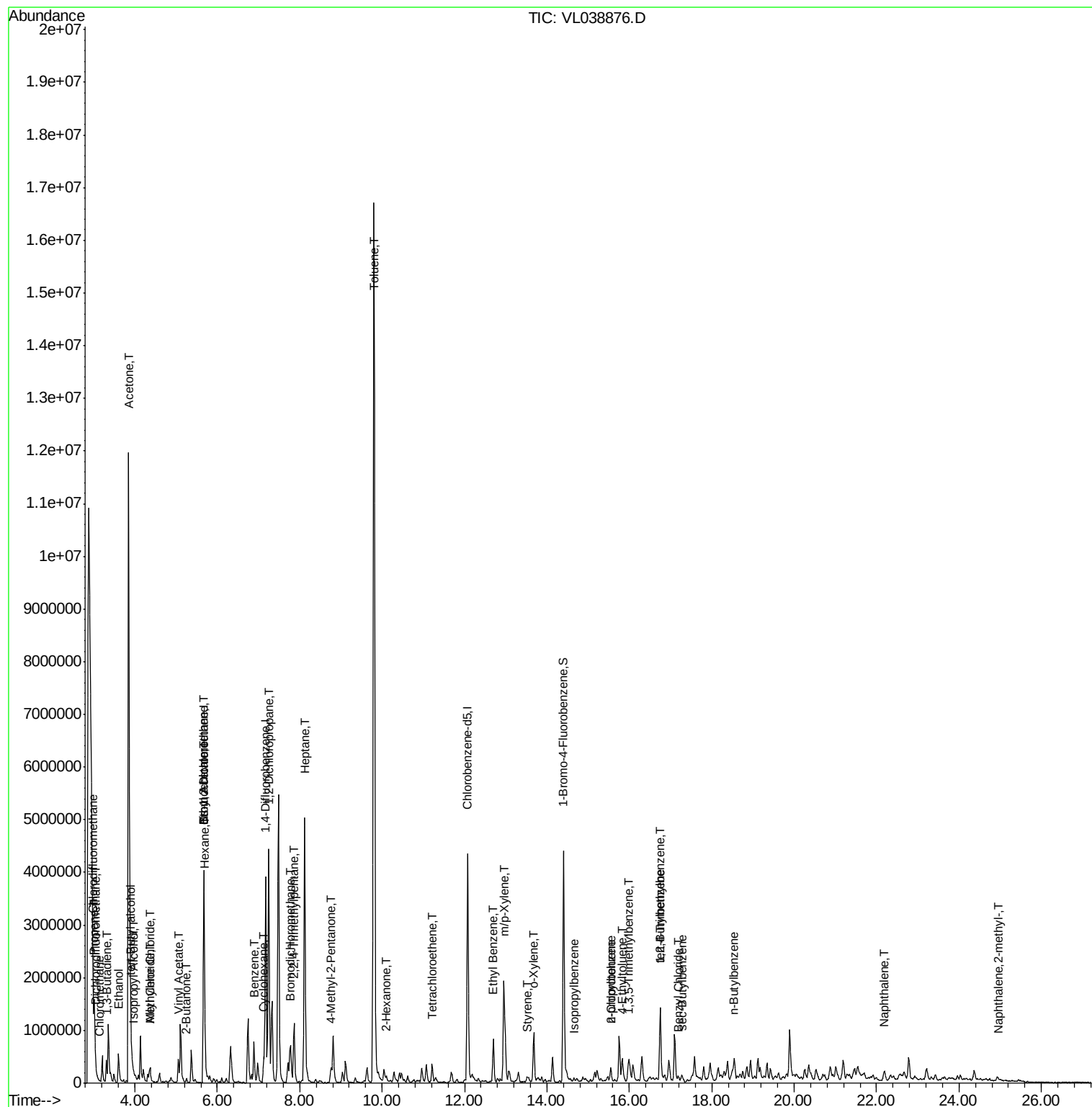
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 80) Naphthalene,2-methyl- | 24.96 | 142  | 11151    | 0.149 | ppbv  | # 43     |

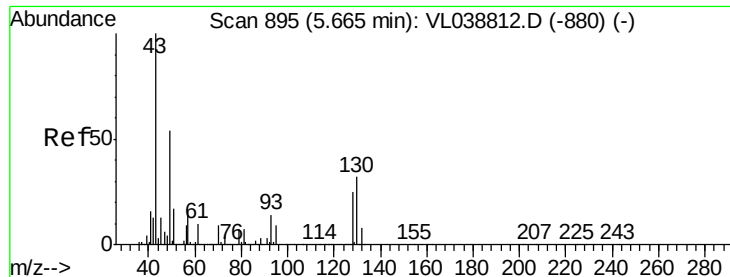
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041122\  
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Sample : N2332-01DL 4X  
Misc : 400mL/MSVOA L  
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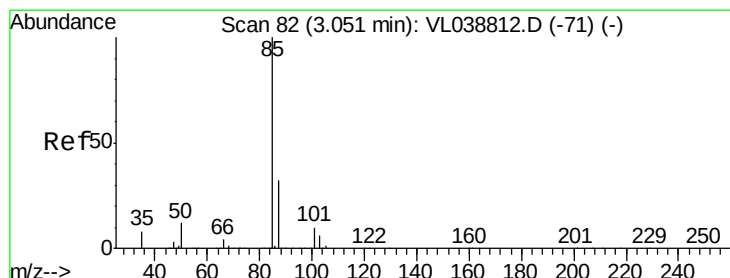
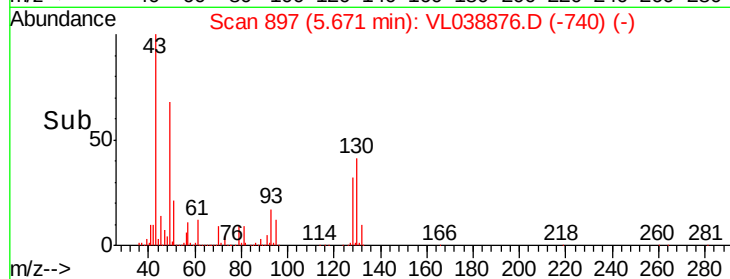
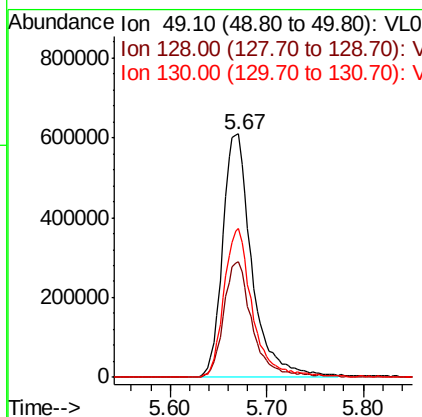
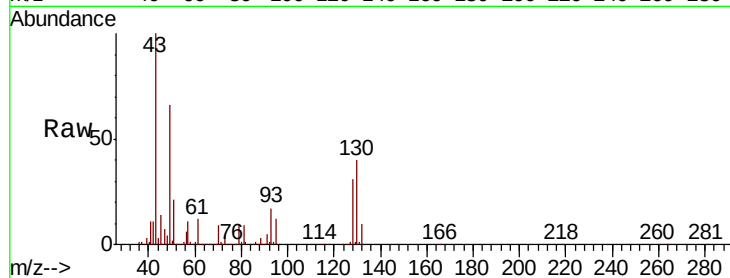
Quant Time: Apr 12 02:50:12 2022  
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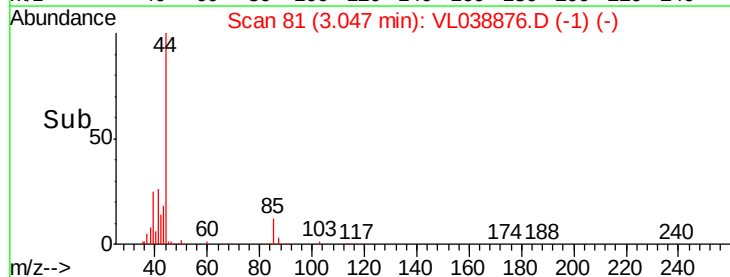
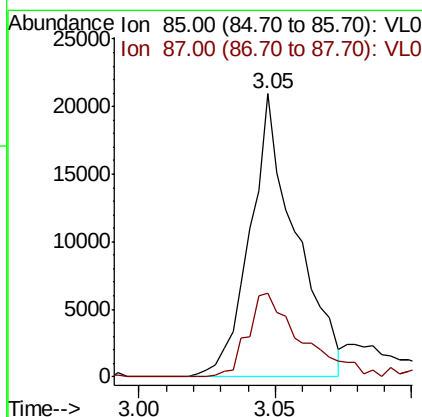
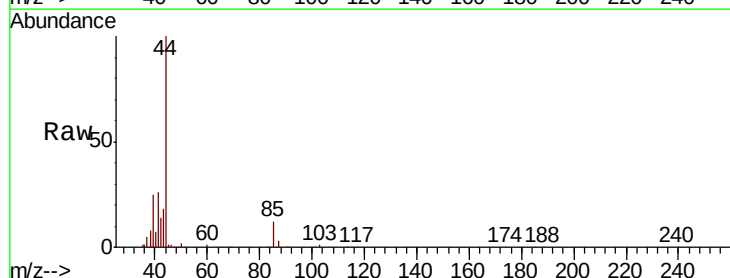
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.67  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 11 Apr 2022 19:00

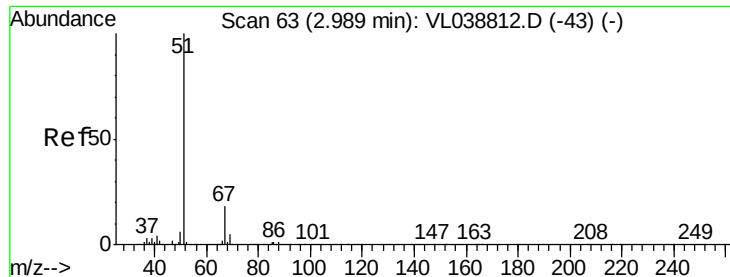
Tot Ion: 49 Resp: 1280547  
 Ion Ratio Lower Upper  
 49 100  
 128 47.2 24.1 72.3  
 130 61.0 30.9 92.8



#2  
 Dichlorodifluoromethane  
 Concen: 0.134 ppbv  
 RT: 3.05 min Scan# 81  
 Delta R.T.: -0.00 min  
 Lab File: VL038876.D  
 Acq: 11 Apr 2022 19:00

Tgt Ion: 85 Resp: 24289  
 Ion Ratio Lower Upper  
 85 100  
 87 29.7 25.9 38.9





#3

Chlorodifluoromethane

Concen: 0.110 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

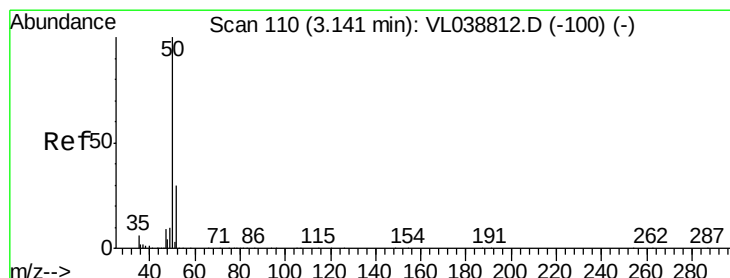
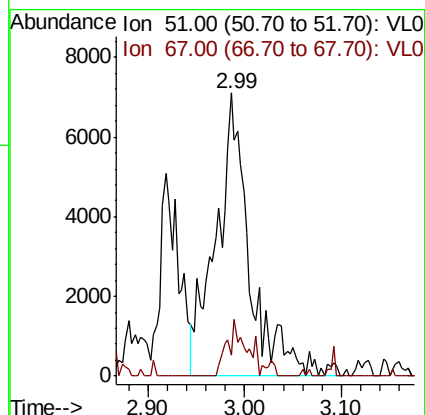
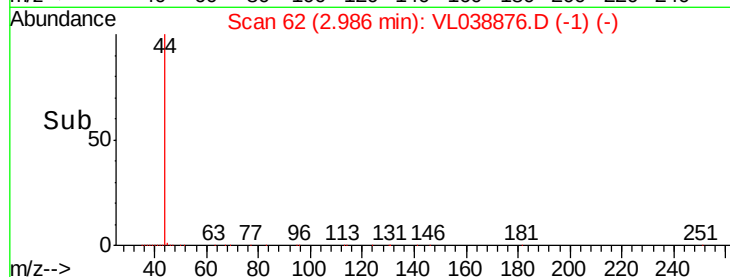
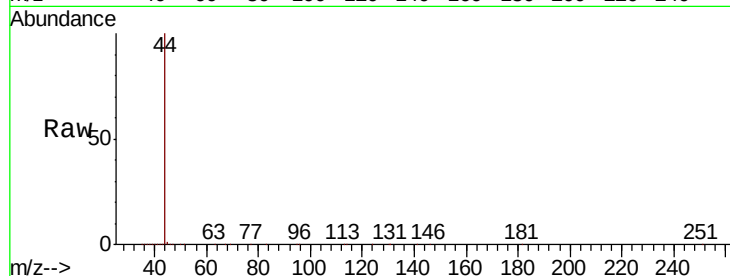
Acq: 11 Apr 2022 19:00

Tot Ion: 51 Resp: 17193

Ion Ratio Lower Upper

51 100

67 12.6 13.4 20.0#



#4

Chloromethane

Concen: 0.123 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038876.D

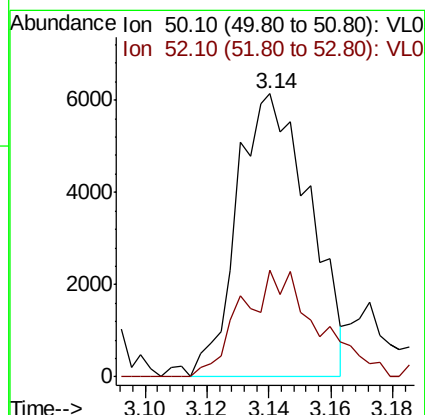
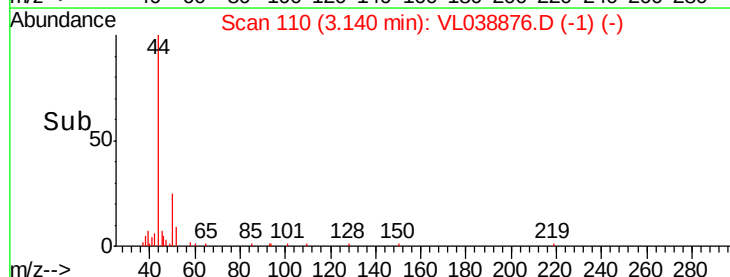
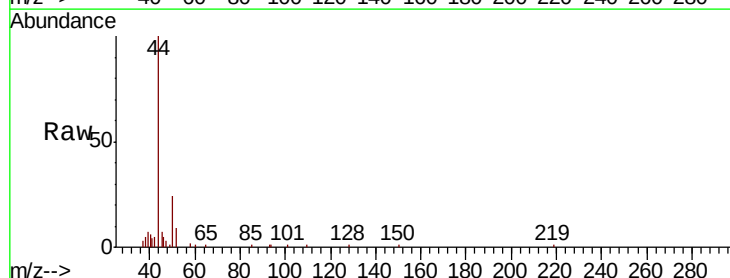
Acq: 11 Apr 2022 19:00

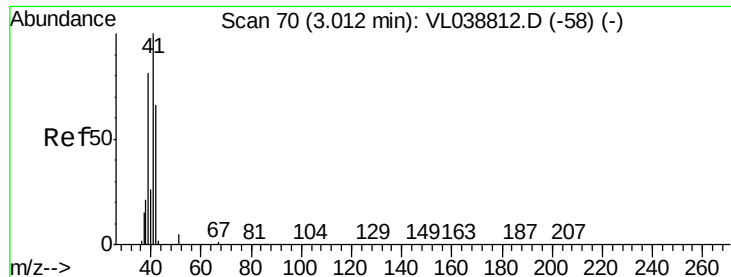
Tgt Ion: 50 Resp: 9932

Ion Ratio Lower Upper

50 100

52 37.9 24.3 36.5#





#9

Propene

Concen: 6.955 ppbv

RT: 3.01

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

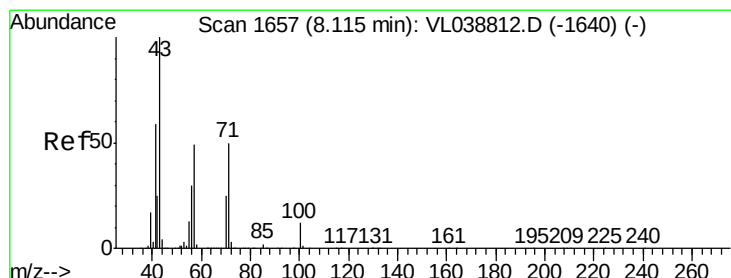
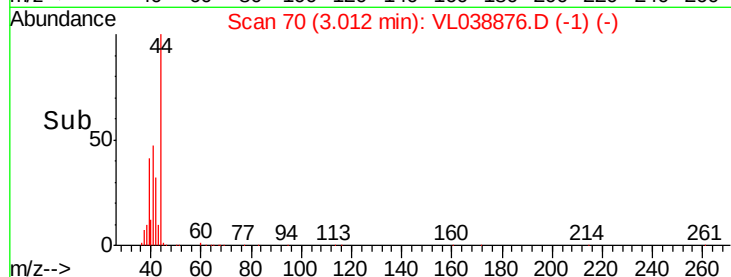
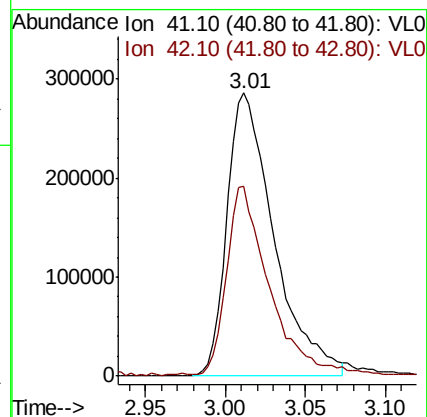
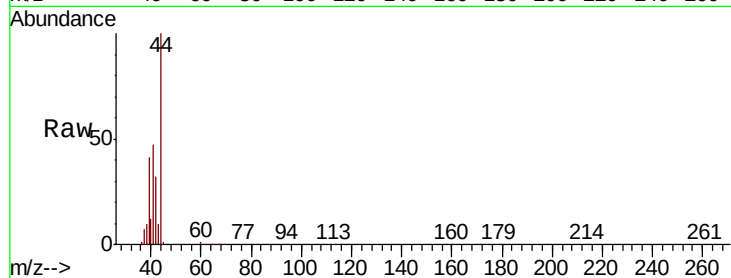
Acq: 11 Apr 2022 19:00

Tot Ion: 41 Resp: 575081

Ion Ratio Lower Upper

41 100

42 63.2 54.2 81.4



#10

Heptane

Concen: 12.697 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL038876.D

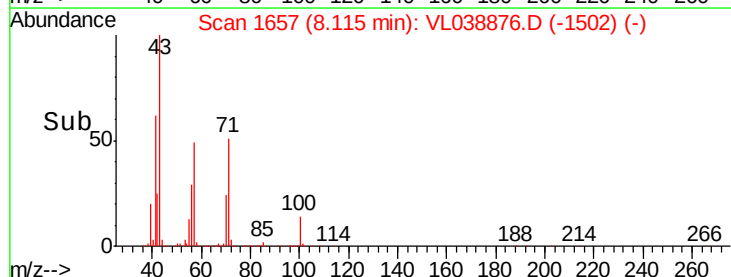
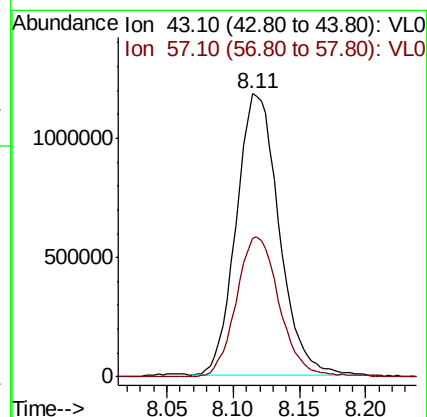
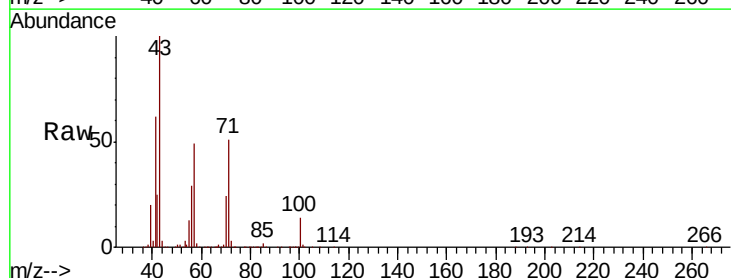
Acq: 11 Apr 2022 19:00

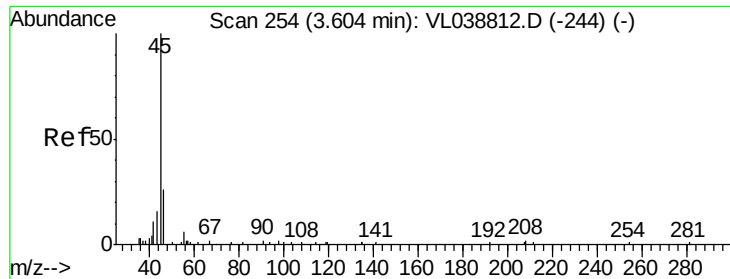
Tgt Ion: 43 Resp: 2644385

Ion Ratio Lower Upper

43 100

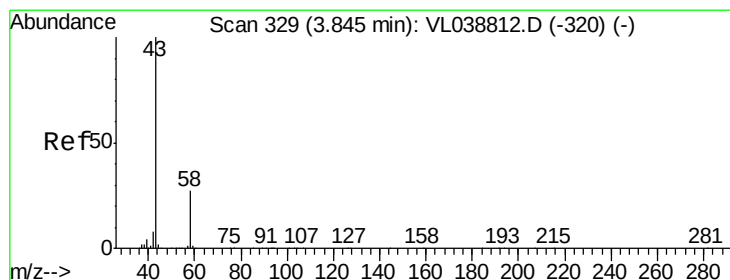
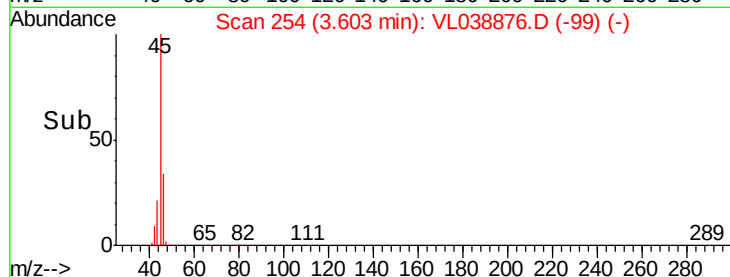
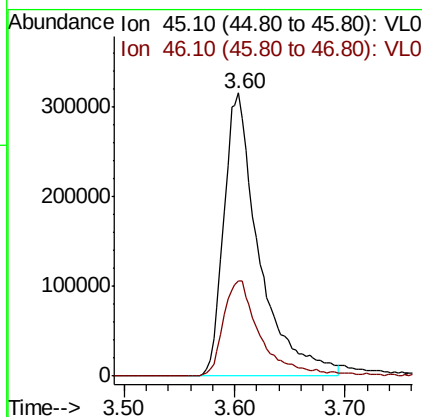
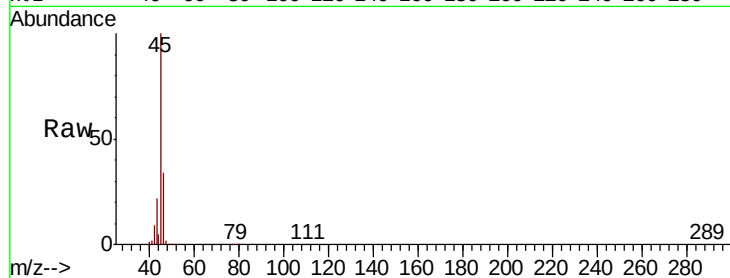
57 50.5 39.3 58.9





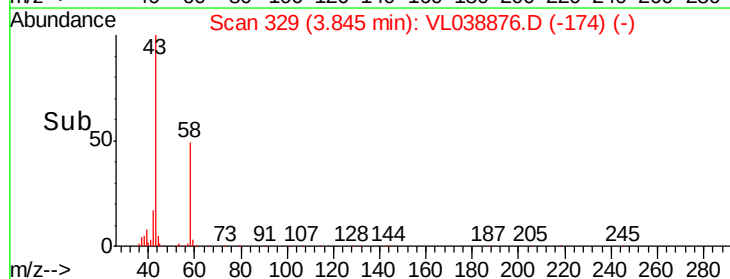
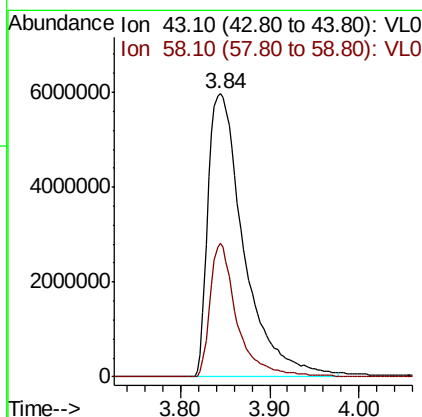
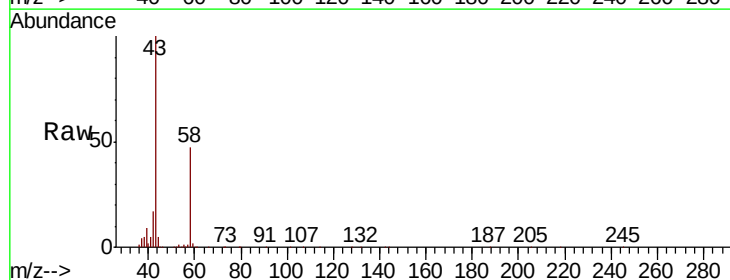
#13  
Ethanol  
Concen: 139.211 ppbv  
RT: 3.60  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 11 Apr 2022 19:00

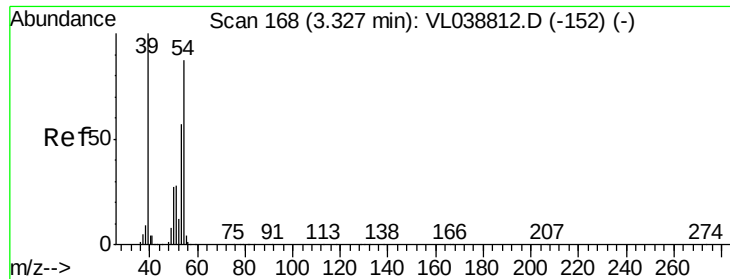
Tot Ion: 45 Resp: 699513  
Ion Ratio Lower Upper  
45 100  
46 36.6 0.0 0.0#



#15  
Acetone  
Concen: 130.874 ppbv  
RT: 3.84 min Scan# 329  
Delta R.T. -0.00 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

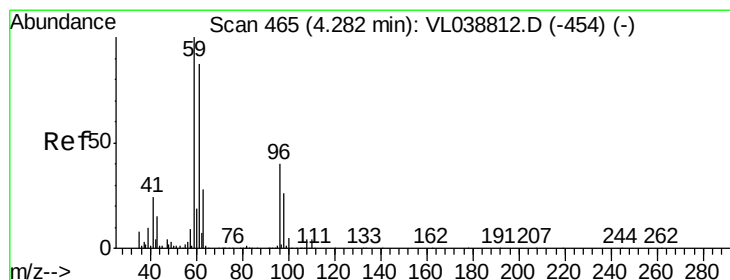
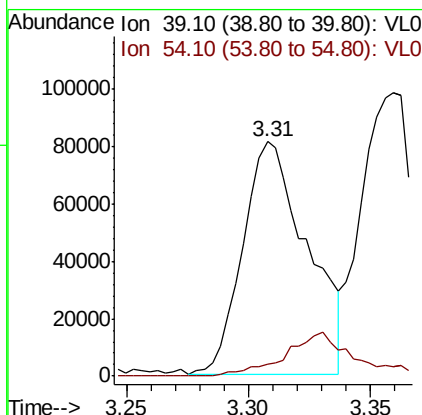
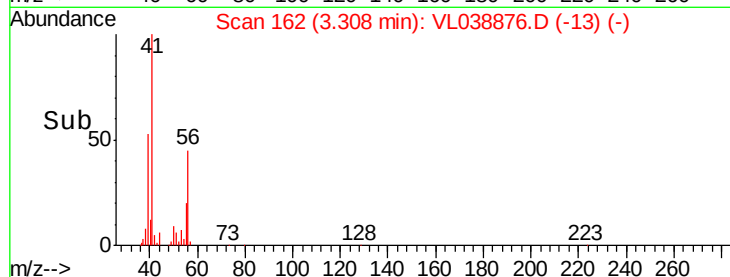
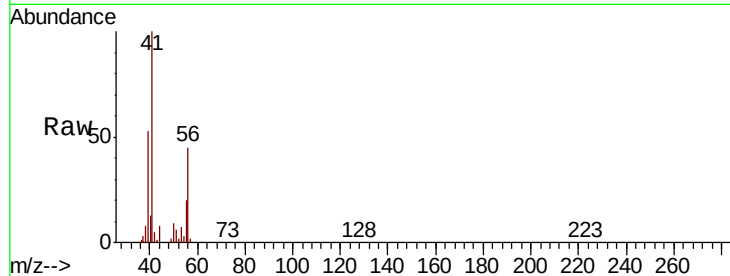
Tgt Ion: 43 Resp:16685159  
Ion Ratio Lower Upper  
43 100  
58 35.9 22.5 33.7#





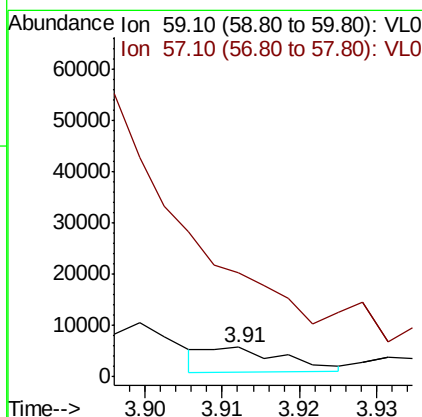
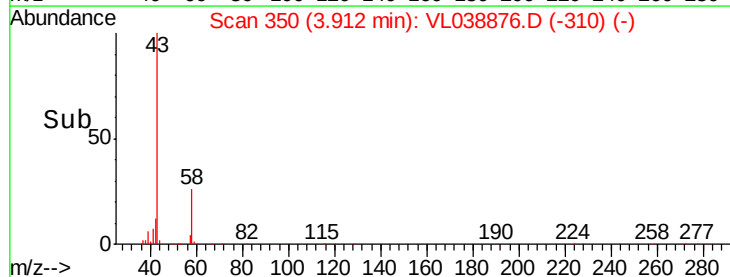
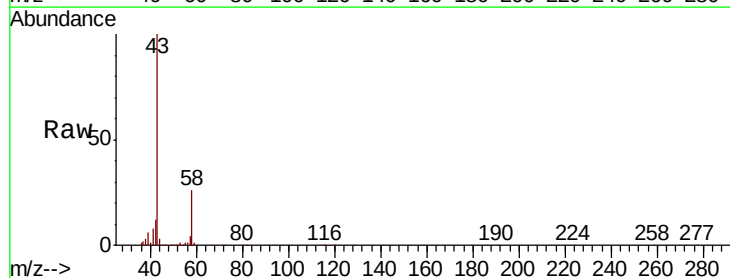
#16  
 1,3-Butadiene  
 Concen: 2.027 ppbv  
 RT: 3.31  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 11 Apr 2022 19:00

Tot Ion: 39 Resp: 147753  
 Ion Ratio Lower Upper  
 39 100  
 54 21.1 64.8 97.2#

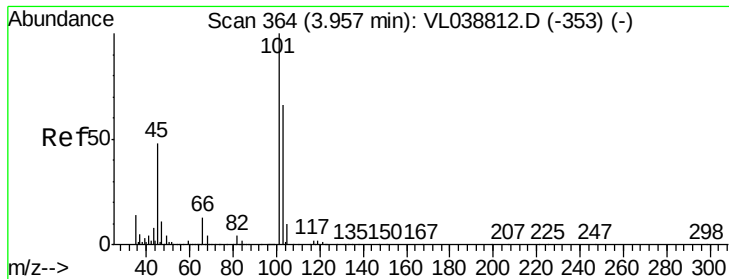


#17  
 tert-Butyl alcohol  
 Concen: 0.030 ppbv  
 RT: 3.91 min Scan# 350  
 Delta R.T. -0.37 min  
 Lab File: VL038876.D  
 Acq: 11 Apr 2022 19:00

Tgt Ion: 59 Resp: 3433  
 Ion Ratio Lower Upper  
 59 100  
 57 2289.3 8.5 12.7#







#19

Isopropyl Alcohol

Concen: 0.355 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

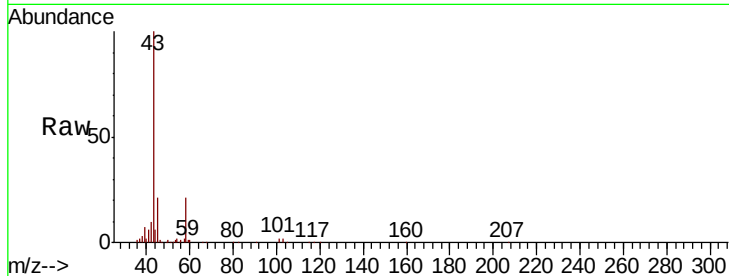
Acq: 11 Apr 2022 19:00

Tot Ion: 45 Resp: 23132

Ion Ratio Lower Upper

45 100

58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

100000

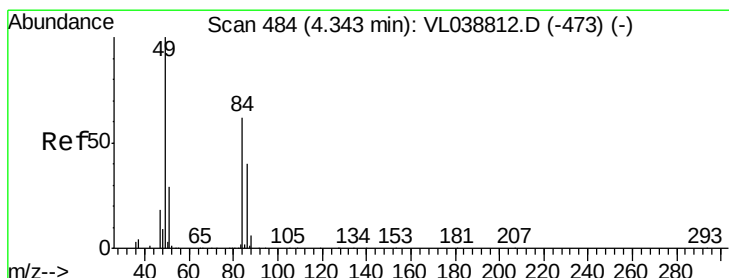
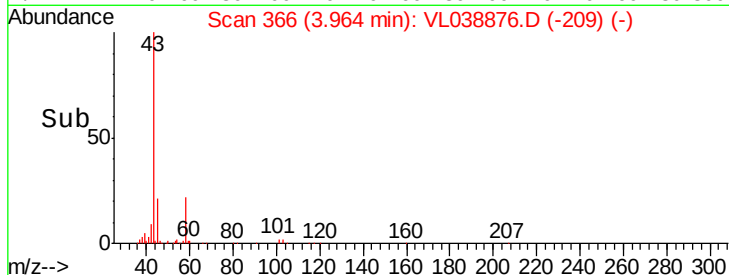
50000

0

3.96

3.92 3.94 3.96 3.98

Time-->



#20

Methylene Chloride

Concen: 1.469 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038876.D

Acq: 11 Apr 2022 19:00

Tgt Ion: 84 Resp: 67931

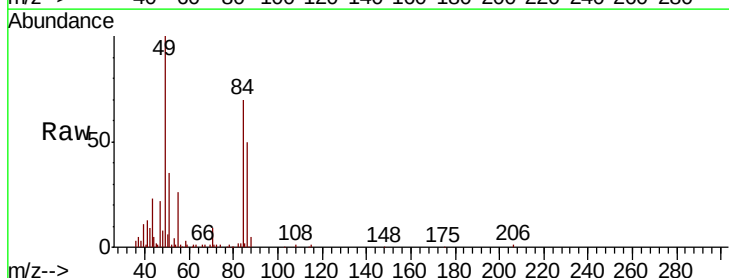
Ion Ratio Lower Upper

84 100

49 142.9 129.4 194.0

51 47.5 37.4 56.2

86 71.6 51.4 77.2



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

80000

60000

40000

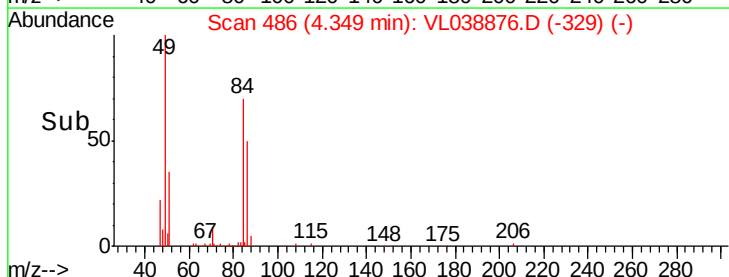
20000

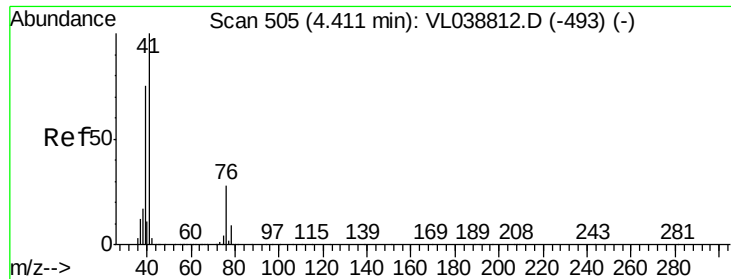
0

4.35

4.30 4.35 4.40

Time-->





#21

Allvl Chloride

Concen: 0.394 ppbv

RT: 4.37 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 19:00

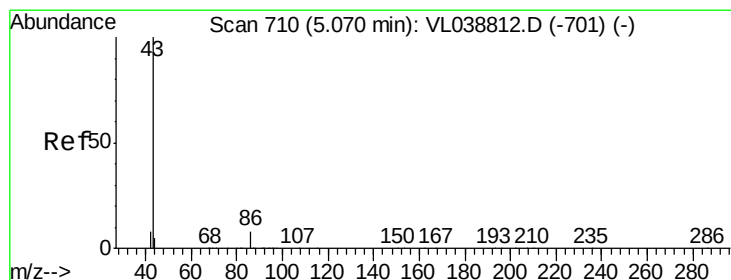
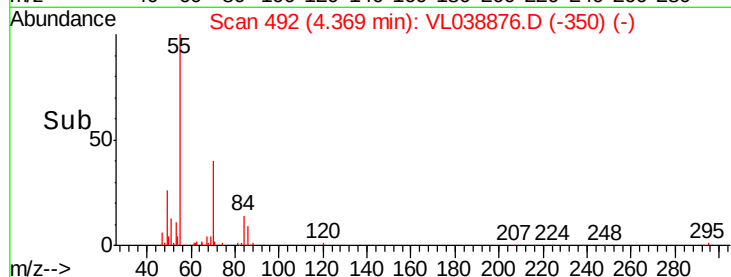
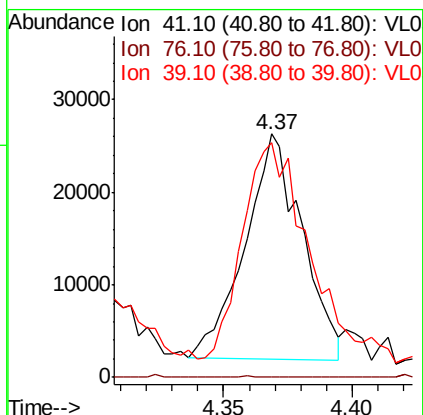
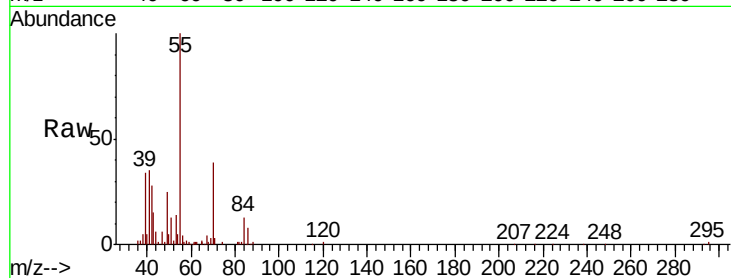
Tot Ion: 41 Resp: 37656

Ion Ratio Lower Upper

41 100

76 0.1 23.7 35.5#

39 125.1 62.0 93.0#



#23

Vinyl Acetate

Concen: 1.588 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

Lab File: VL038876.D

Acq: 11 Apr 2022 19:00

Tgt Ion: 43 Resp: 197104

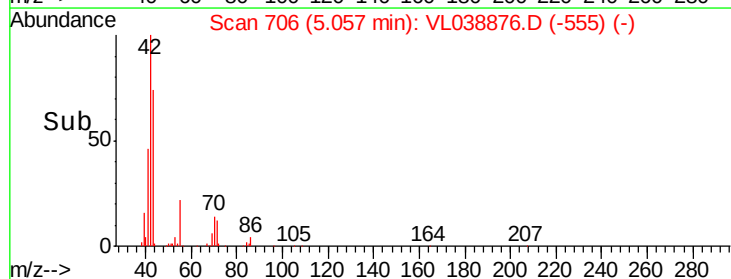
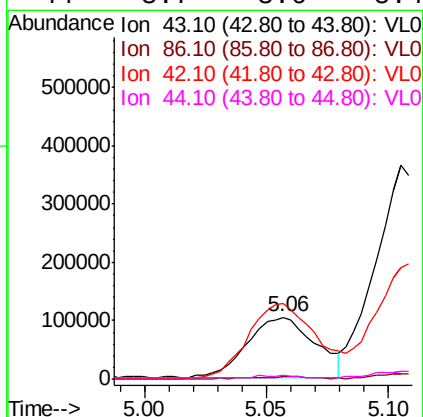
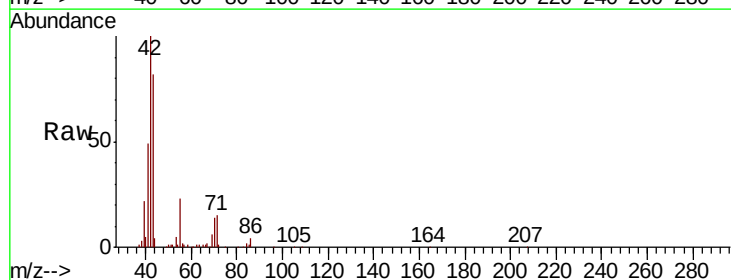
Ion Ratio Lower Upper

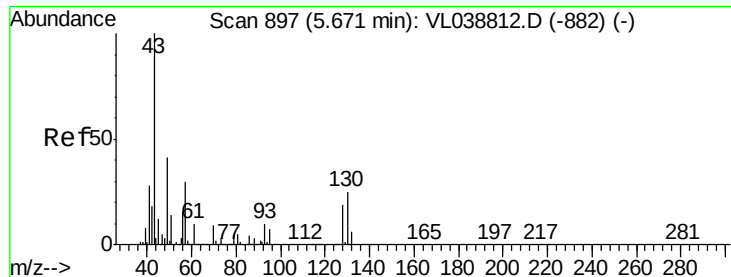
43 100

86 4.4 5.8 8.6#

42 124.2 7.8 11.6#

44 3.7 3.6 5.4

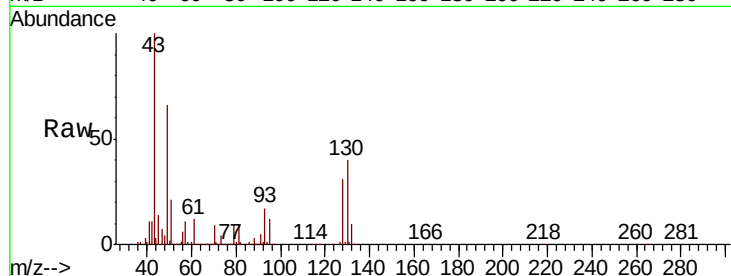




#25  
Ethyl Acetate  
Concen: 6.740 ppbv  
RT: 5.67 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 11 Apr 2022 19:00

Tot Ion: 43 Resp: 2180319

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 12.6  | 8.4   | 12.6  |
| 61  | 11.3  | 7.9   | 11.9  |
| 70  | 8.5   | 5.6   | 8.4#  |



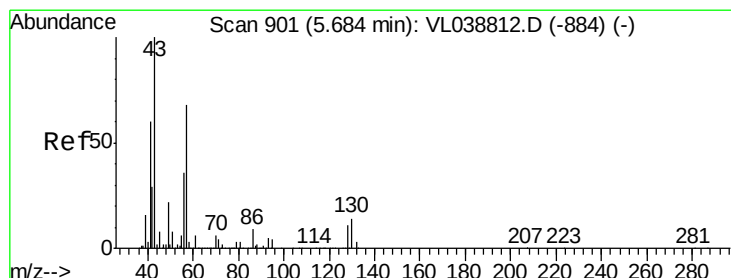
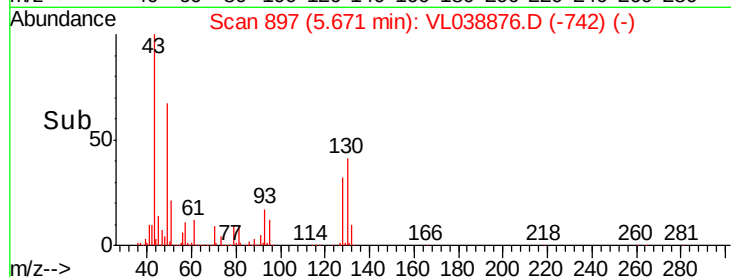
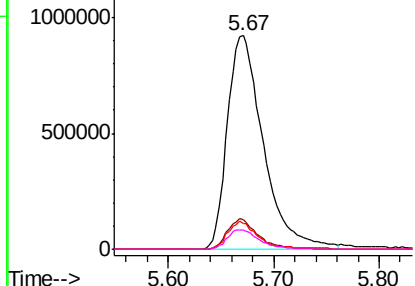
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

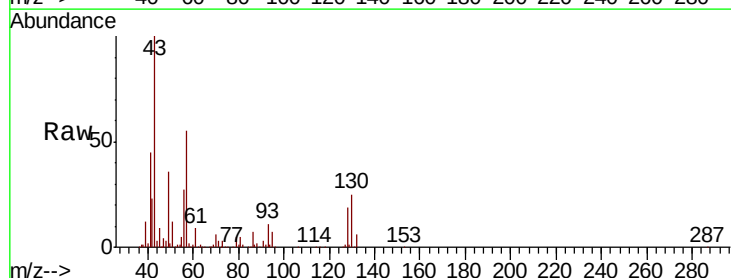
Ion 70.10 (69.80 to 70.80): VL0



#26  
Hexane  
Concen: 3.360 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

Tgt Ion: 57 Resp: 494679

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 57  | 100   |       |        |
| 41  | 95.5  | 72.0  | 108.0  |
| 43  | 452.8 | 186.6 | 280.0# |
| 56  | 53.2  | 42.8  | 64.2   |



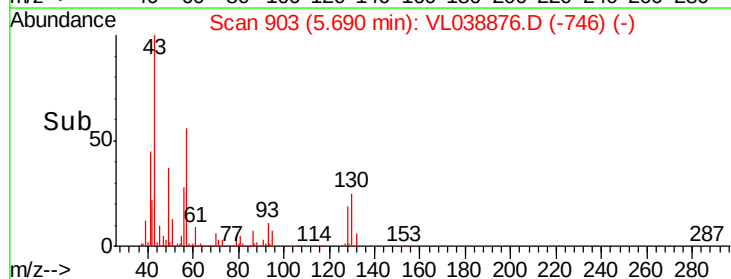
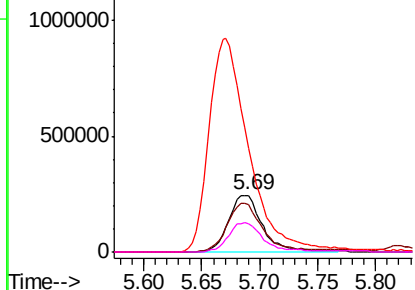
Abundance

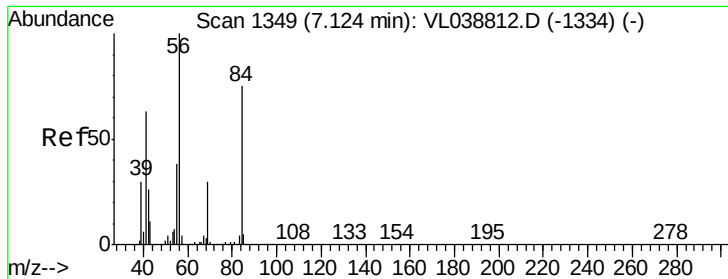
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

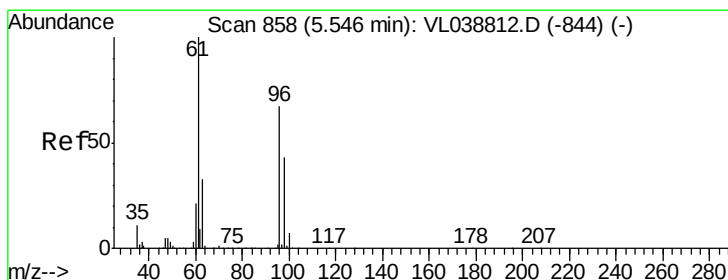
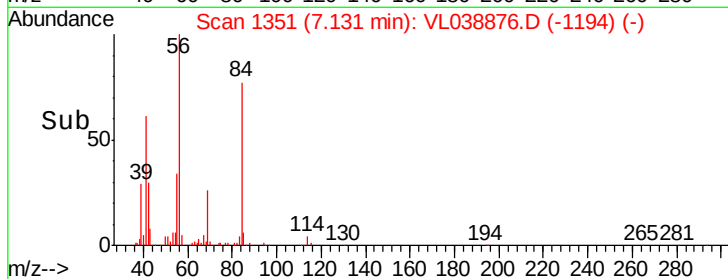
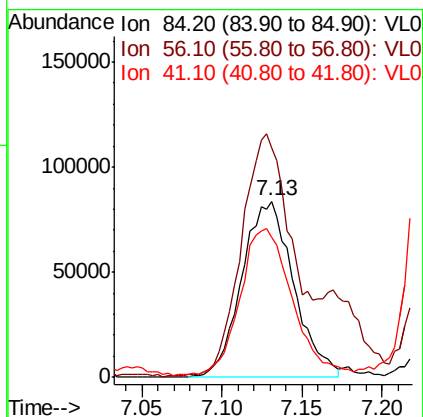
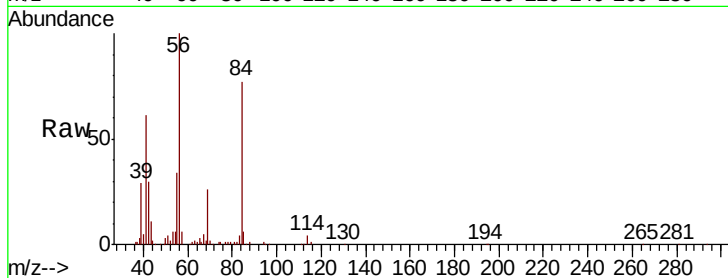
Ion 56.10 (55.80 to 56.80): VL0





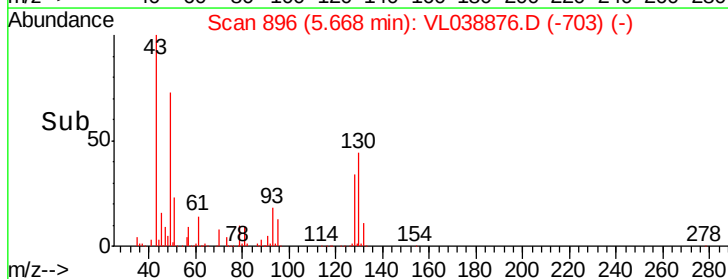
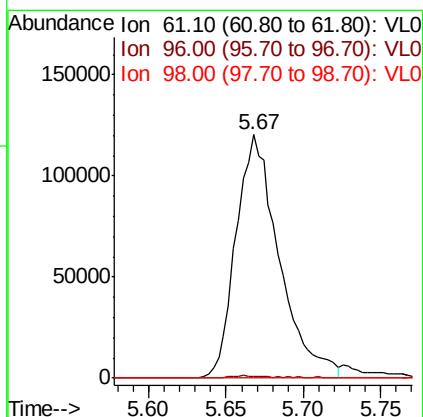
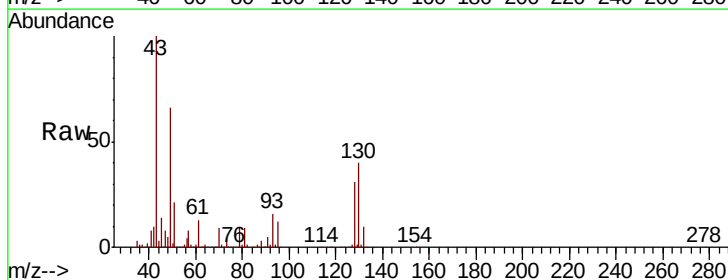
#30  
Cvclohexane  
Concen: 1.432 ppbv  
RT: 7.13  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 11 Apr 2022 19:00

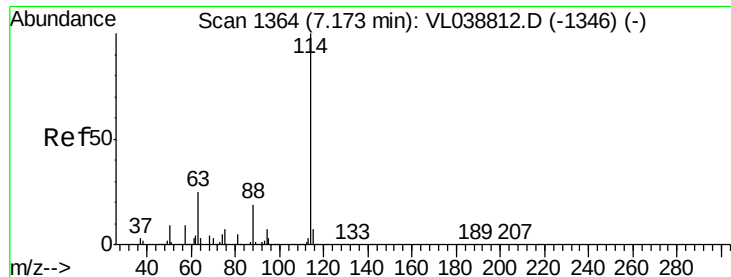
| Tot Ion | 84    | Resp  | 185829 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 84      | 100   |       |        |
| 56      | 171.0 | 114.4 | 171.6  |
| 41      | 82.3  | 69.0  | 103.4  |



#31  
cis-1,2-Dichloroethene  
Concen: 1.724 ppbv  
RT: 5.67 min Scan# 896  
Delta R.T. 0.12 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

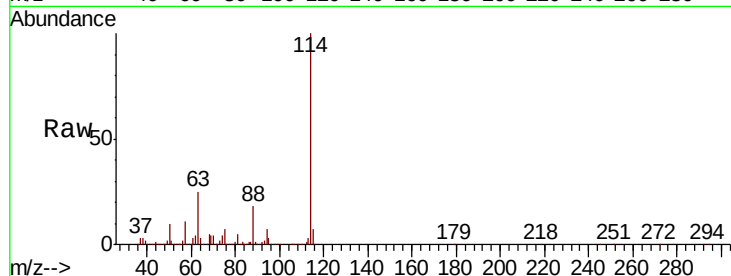
| Tgt Ion | 61    | Resp  | 233444 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 61      | 100   |       |        |
| 96      | 0.9   | 53.4  | 80.0#  |
| 98      | 0.0   | 34.2  | 51.4#  |



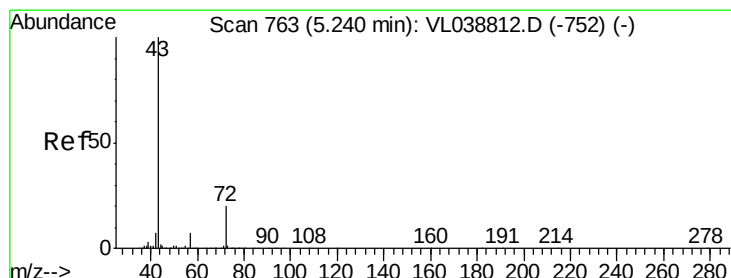
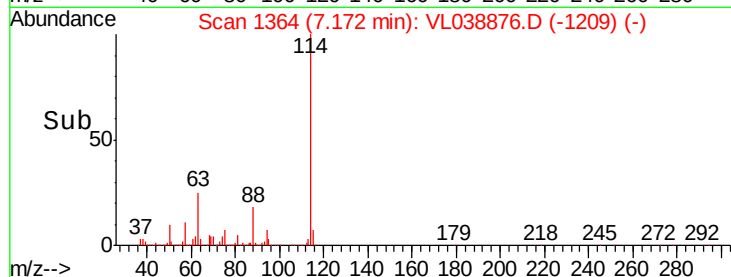
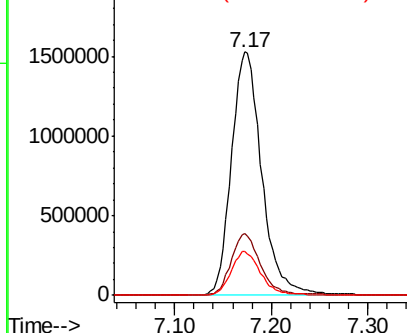


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 11 Apr 2022 19:00

Tot Ion:114 Resp: 3321478  
 Ion Ratio Lower Upper  
 114 100  
 63 24.9 19.8 29.8  
 88 17.9 14.2 21.4

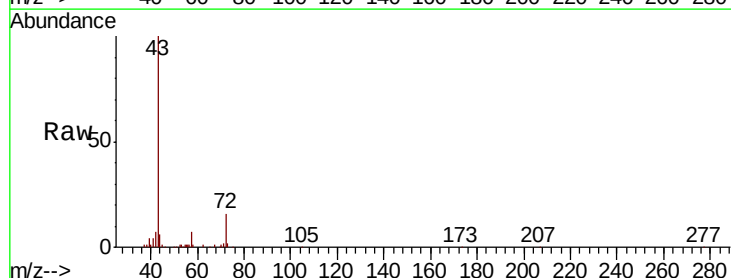


Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

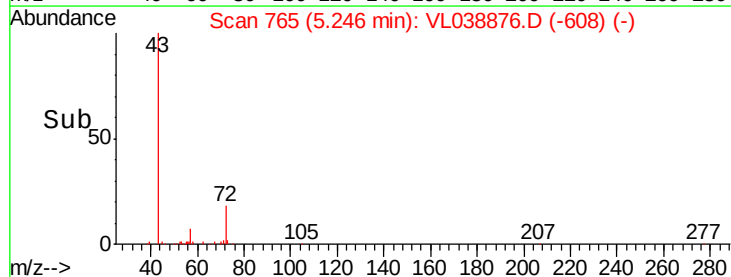
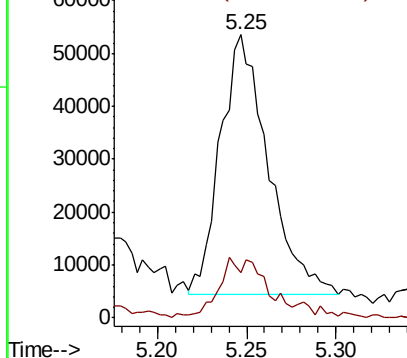


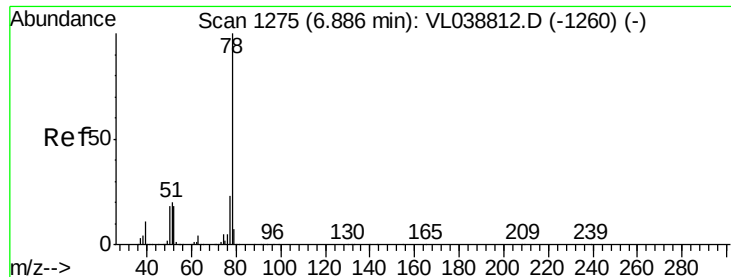
#34  
 2-Butanone  
 Concen: 0.694 ppbv  
 RT: 5.25 min Scan# 765  
 Delta R.T. 0.01 min  
 Lab File: VL038876.D  
 Acq: 11 Apr 2022 19:00

Tgt Ion: 43 Resp: 91122  
 Ion Ratio Lower Upper  
 43 100  
 72 26.2 16.9 25.3#



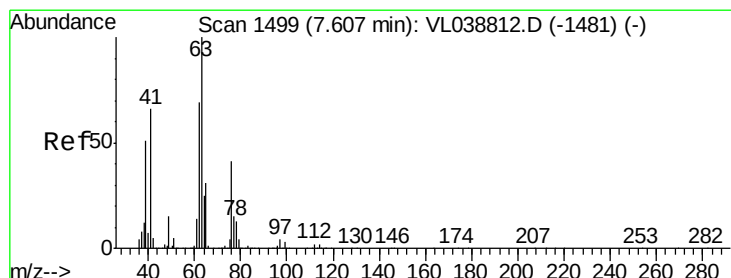
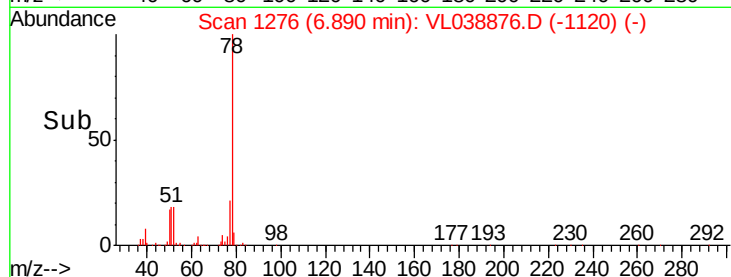
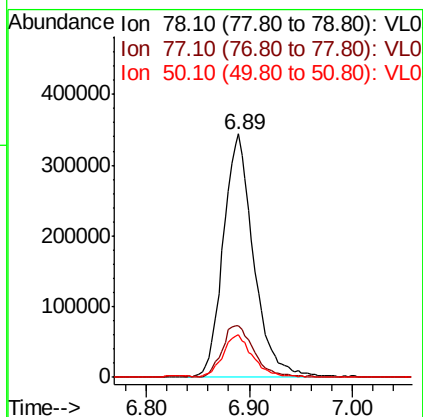
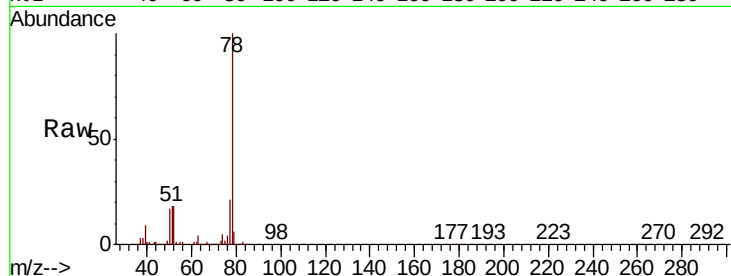
Abundance Ion 43.10 (42.80 to 43.80): VL0  
 Ion 72.10 (71.80 to 72.80): VL0





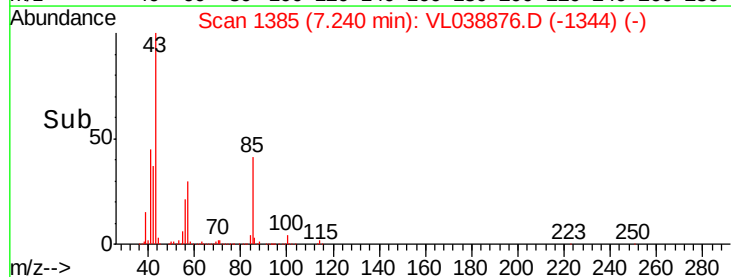
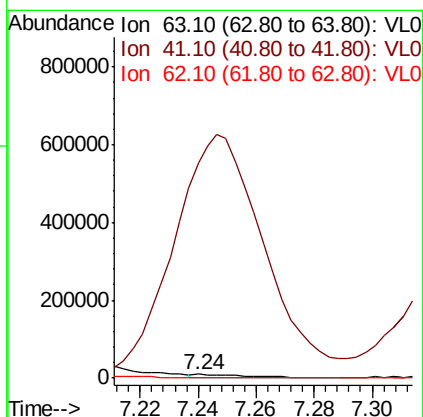
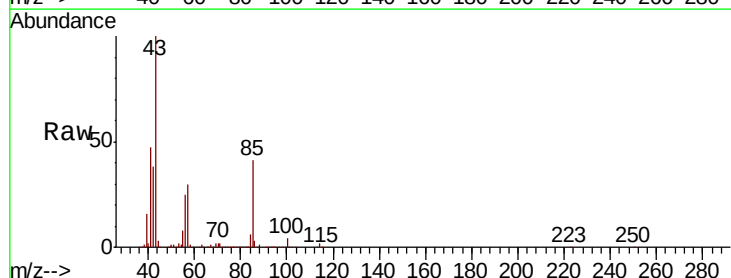
#36  
Benzene  
Concen: 2.315 ppbv  
RT: 6.89  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 11 Apr 2022 19:00

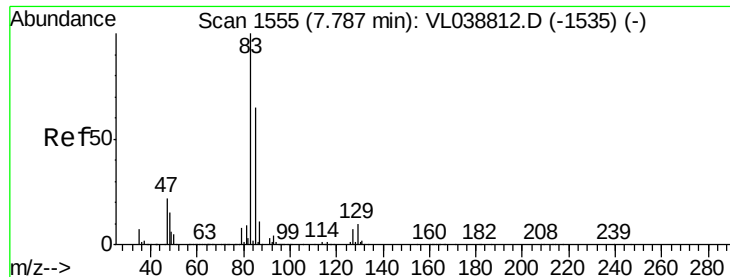
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 20.6  | 18.2  | 27.2  |
| 50      | 17.1  | 14.0  | 21.0  |



#39  
1,2-Dichloropropane  
Concen: 0.085 ppbv  
RT: 7.24 min Scan# 1385  
Delta R.T. -0.37 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 63      | 100    |       |       |
| 41      | 6268.8 | 53.0  | 79.6# |
| 62      | 26.9   | 55.0  | 82.4# |





#42

Bromodichloromethane

Concen: 0.229 ppbv

RT: 7.78 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 19:00

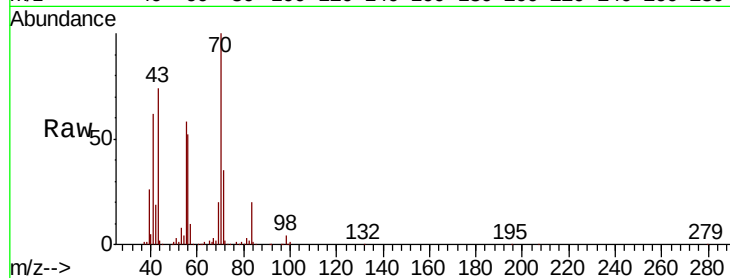
Tot Ion: 83 Resp: 49986

Ion Ratio Lower Upper

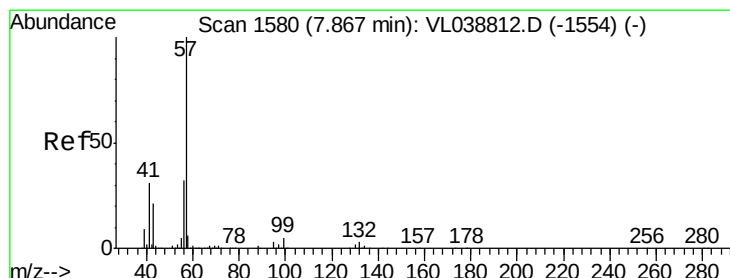
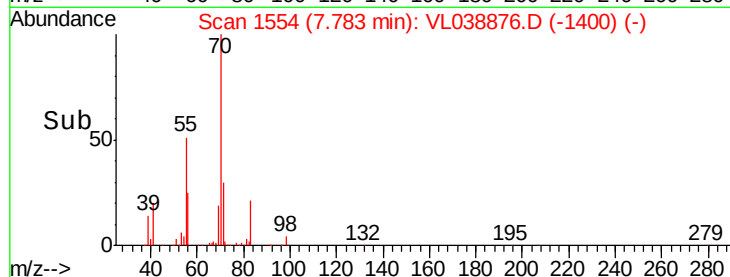
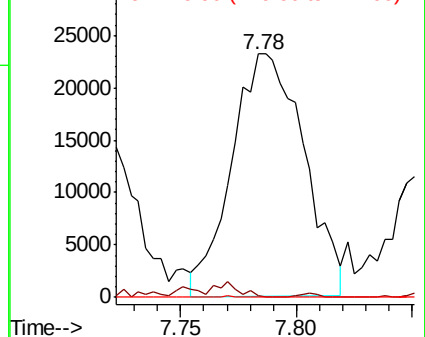
83 100

85 0.8 51.7 77.5#

127 0.0 5.9 8.9#



Abundance Ion 83.00 (82.70 to 83.70): VL0  
Ion 85.00 (84.70 to 85.70): VL0  
Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.474 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VL038876.D

Acq: 11 Apr 2022 19:00

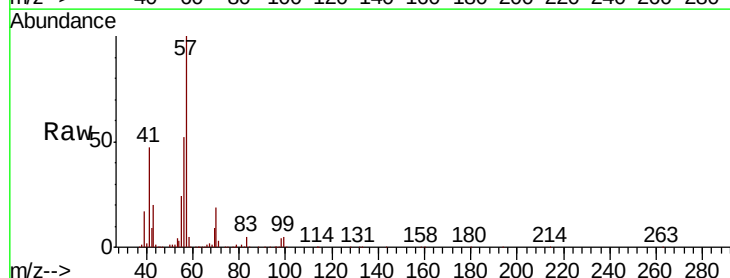
Tgt Ion: 57 Resp: 753983

Ion Ratio Lower Upper

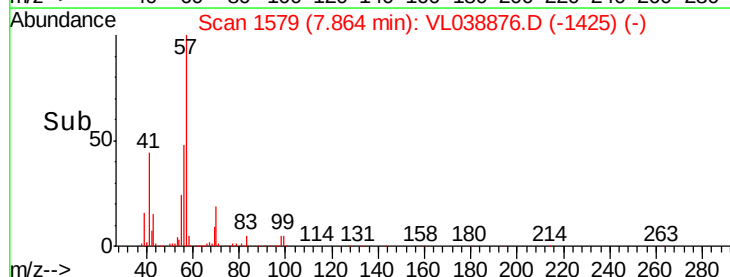
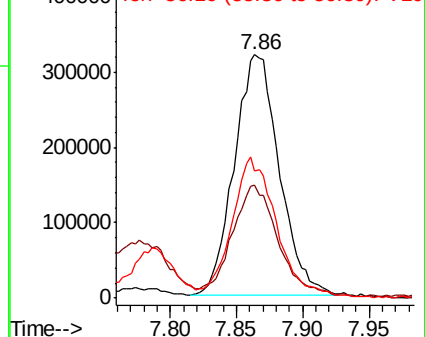
57 100

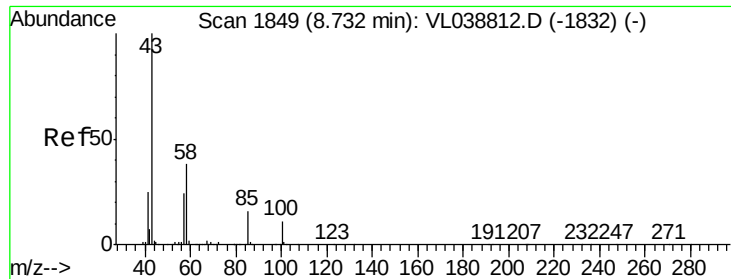
41 47.7 25.0 37.4#

56 57.9 25.3 37.9#



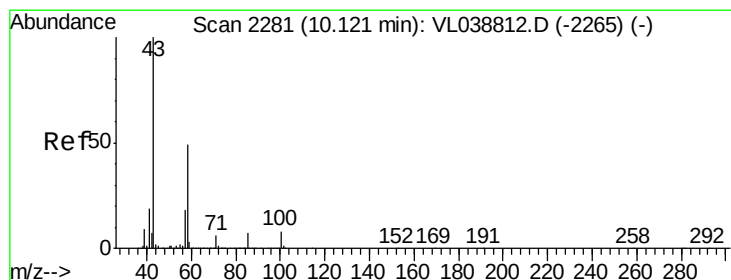
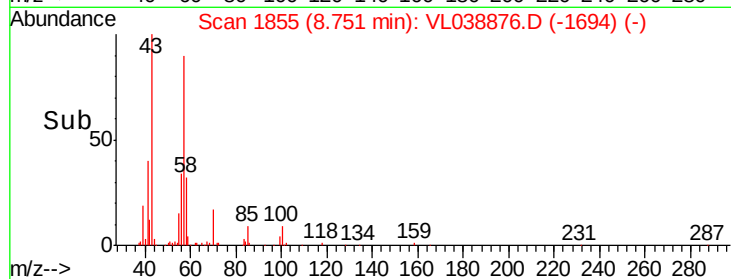
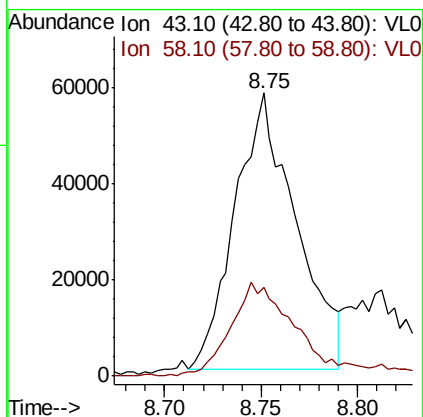
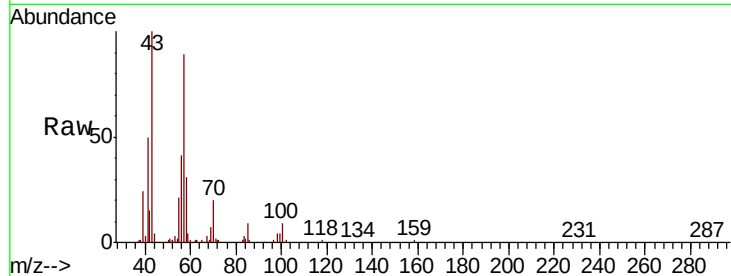
Abundance Ion 57.10 (56.80 to 57.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 56.10 (55.80 to 56.80): VL0





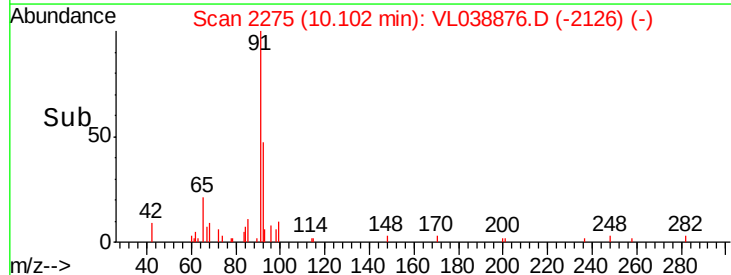
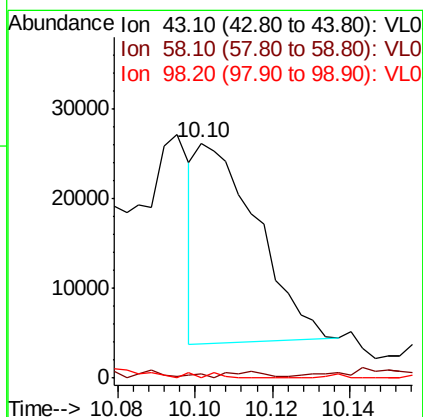
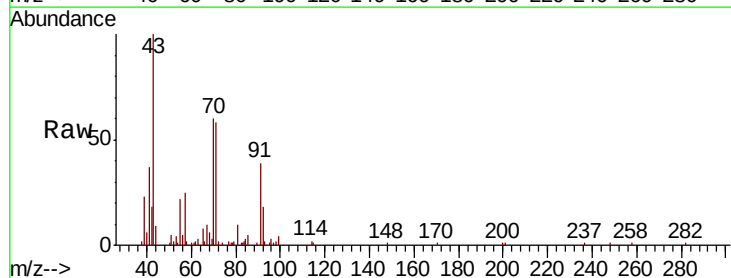
#50  
 4-Methyl-2-Pentanone  
 Concen: 0.428 ppbv  
 RT: 8.75 Instrument : MSVOA\_1  
 Delta R.T. ClientSampleId :  
 Lab File: IA-1DL  
 Acq: 11 Apr 2022 19:00

Tot Ion: 43 Resp: 126451  
 Ion Ratio Lower Upper  
 43 100  
 58 40.2 29.0 43.6

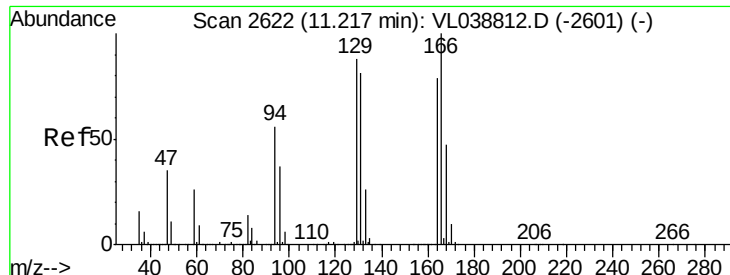


#51  
 2-Hexanone  
 Concen: 0.108 ppbv  
 RT: 10.10 min Scan# 2275  
 Delta R.T. -0.02 min  
 Lab File: VL038876.D  
 Acq: 11 Apr 2022 19:00

Tgt Ion: 43 Resp: 24112  
 Ion Ratio Lower Upper  
 43 100  
 58 4.3 41.4 62.0#  
 98 0.0 0.1 0.1#







#52

Tetrachloroethene

Concen: 0.798 ppbv

RT: 11.21

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 19:00

Tot Ion:164 Resp: 84191

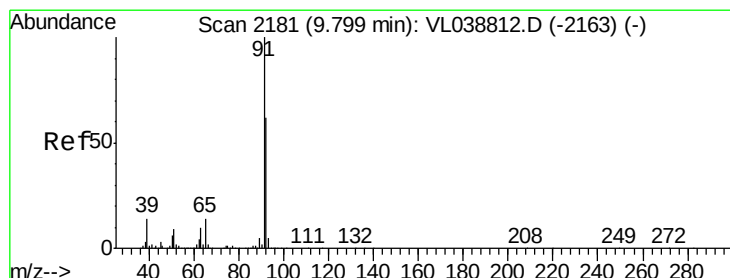
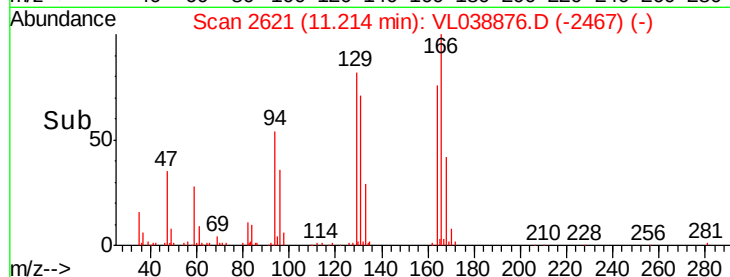
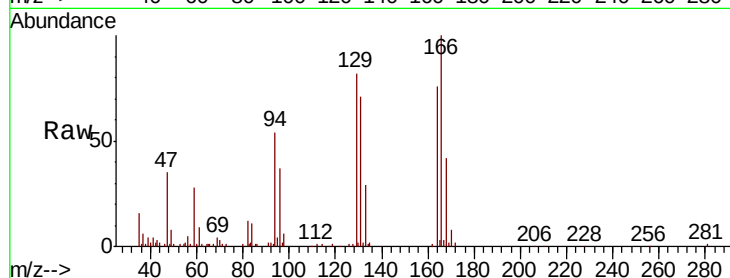
Ion Ratio Lower Upper

164 100

166 130.5 101.0 151.6

129 105.0 88.7 133.1

131 92.4 81.8 122.6



#53

Toluene

Concen: 43.443 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL038876.D

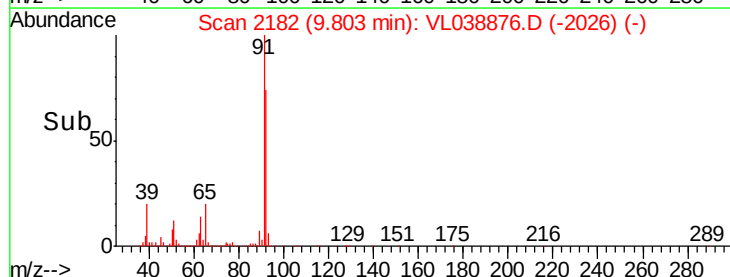
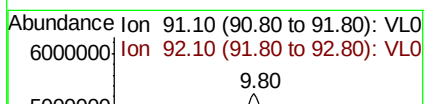
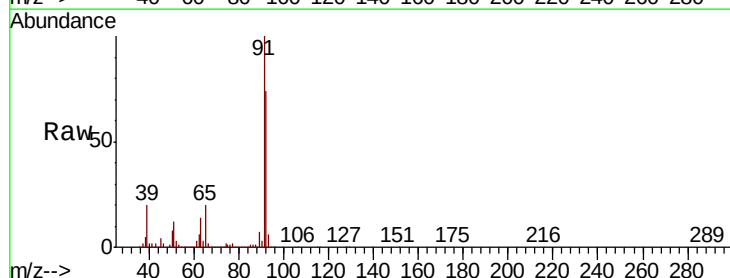
Acq: 11 Apr 2022 19:00

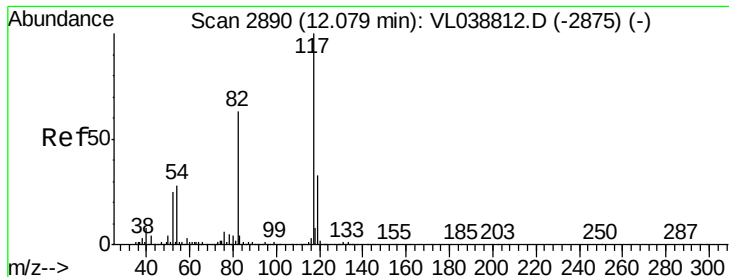
Tgt Ion: 91 Resp:15153399

Ion Ratio Lower Upper

91 100

92 69.2 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 19:00

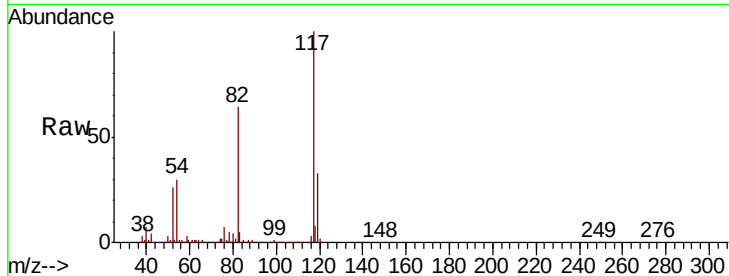
Tot Ion: 117 Resp: 3049265

Ion Ratio Lower Upper

117 100

82 64.9 53.0 79.6

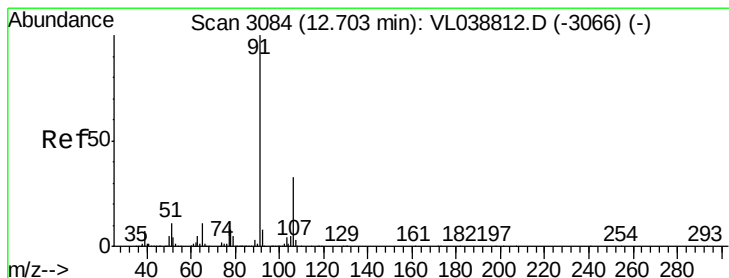
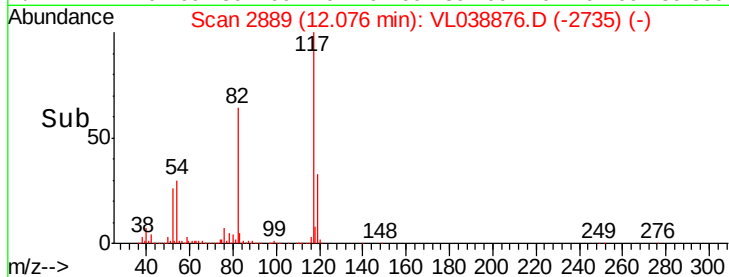
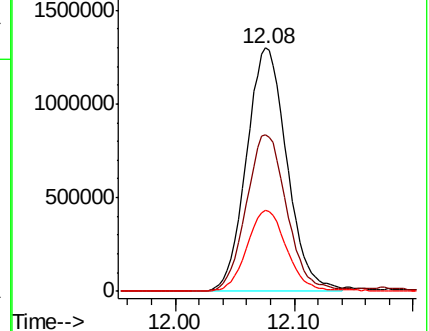
119 33.2 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 1.781 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.01 min

Lab File: VL038876.D

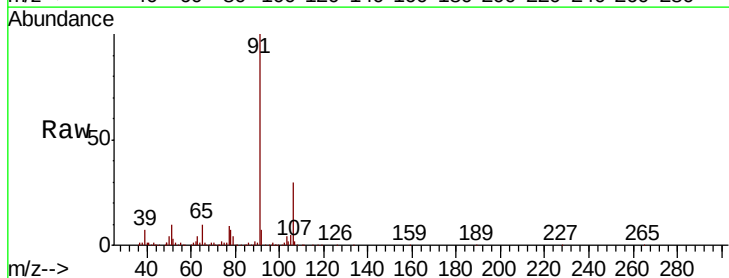
Acq: 11 Apr 2022 19:00

Tgt Ion: 91 Resp: 811579

Ion Ratio Lower Upper

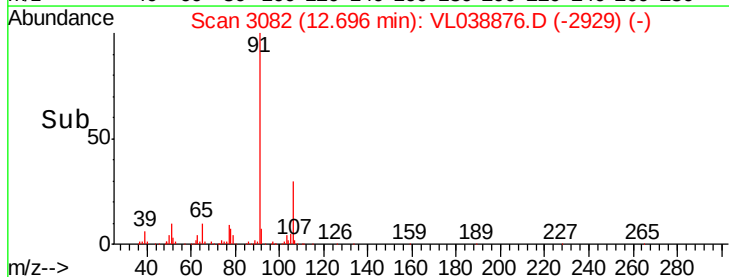
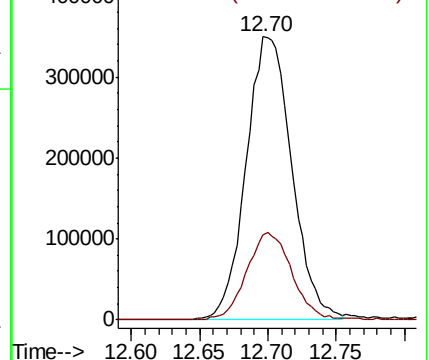
91 100

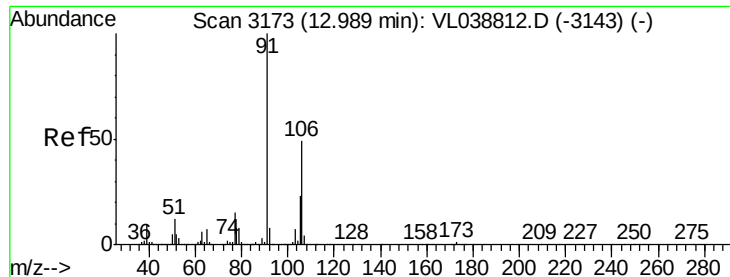
106 29.9 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

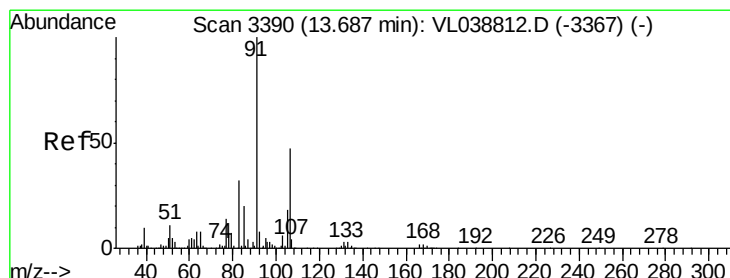
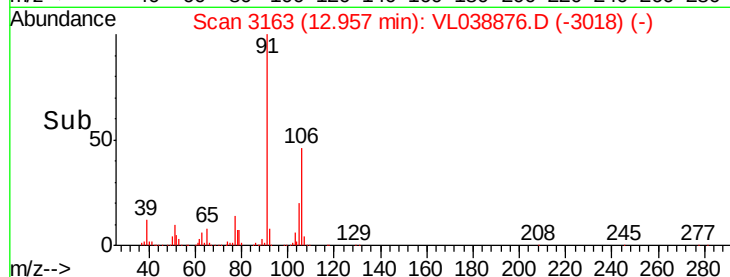
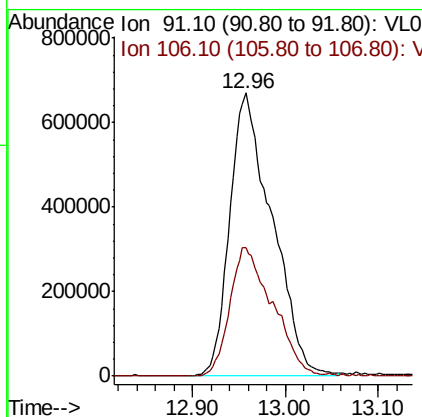
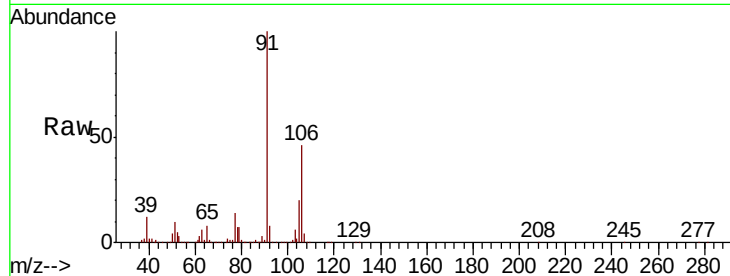
Ion 106.10 (105.80 to 106.80): V





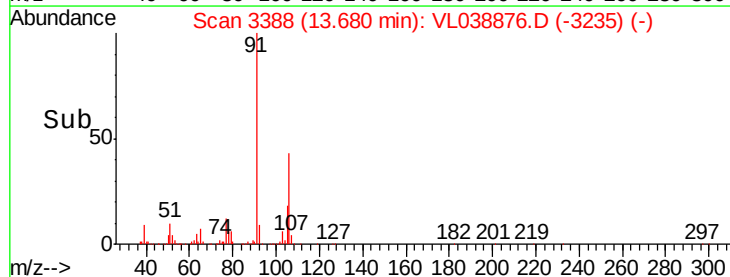
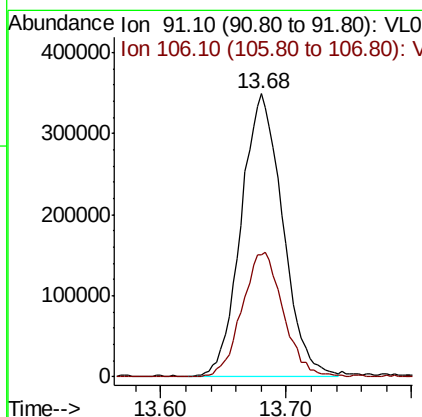
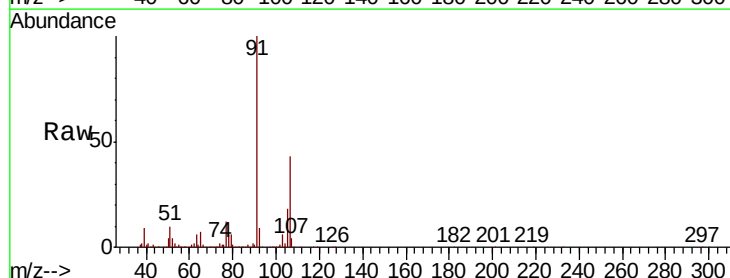
#59  
m/p-Xylene  
Concen: 5.516 ppbv  
RT: 12.96  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 11 Apr 2022 19:00

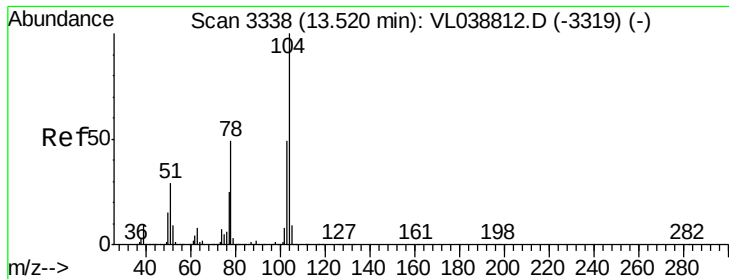
Tot Ion: 91 Resp: 2111556  
Ion Ratio Lower Upper  
91 100  
106 46.8 37.1 55.7



#60  
o-Xylene  
Concen: 2.236 ppbv  
RT: 13.68 min Scan# 3388  
Delta R.T. -0.01 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

Tgt Ion: 91 Resp: 800973  
Ion Ratio Lower Upper  
91 100  
106 44.6 23.8 71.4





#61

Stvrene

Concen: 0.193 ppbv

RT: 13.52

Delta R.T. MSVOA\_L

Lab File: ClientSampled :

Acq: 11 Apr 2022 19:00

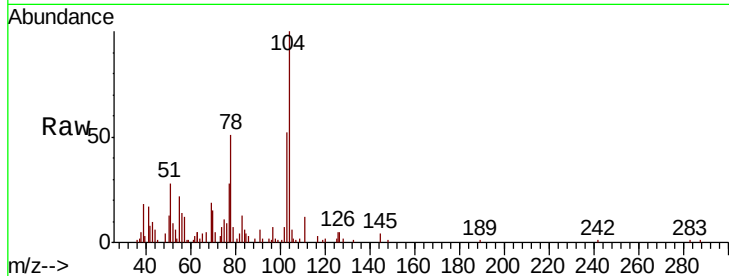
Tot Ion:104 Resp: 42056

Ion Ratio Lower Upper

104 100

78 54.1 40.5 60.7

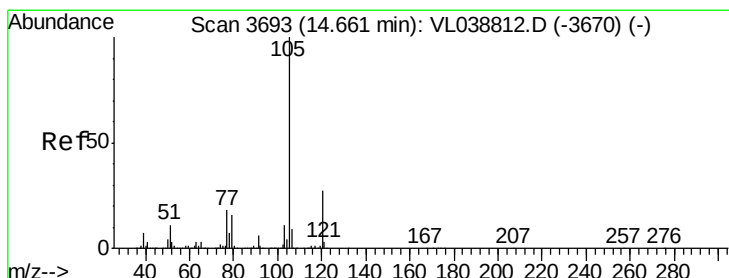
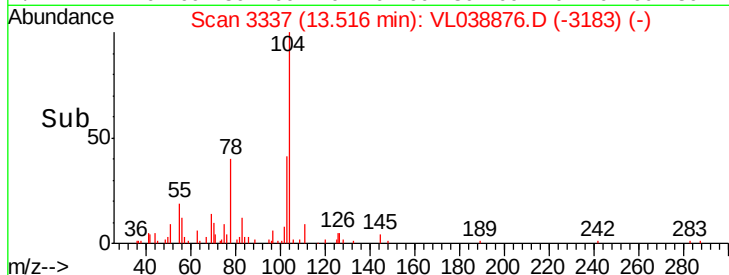
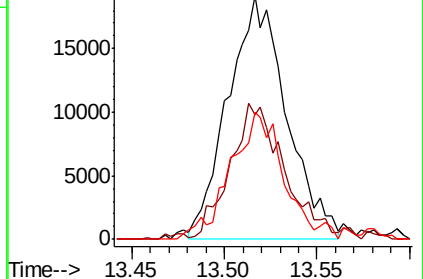
103 49.8 39.0 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.084 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.01 min

Lab File: VL038876.D

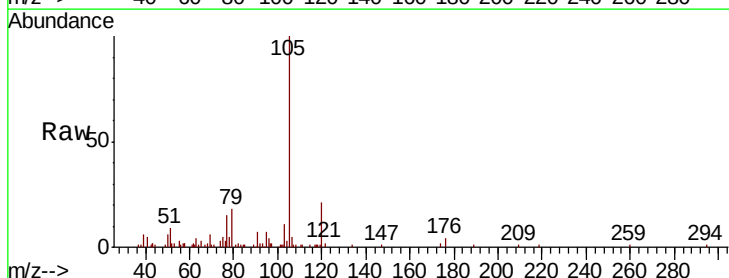
Acq: 11 Apr 2022 19:00

Tgt Ion:105 Resp: 45431

Ion Ratio Lower Upper

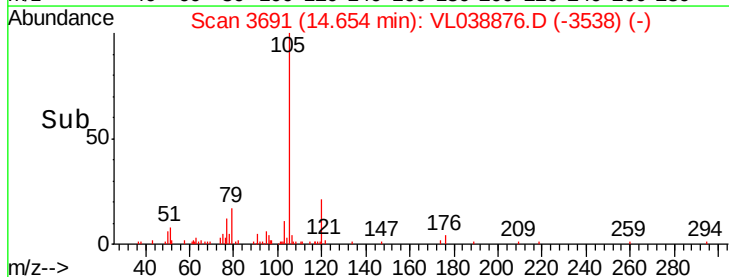
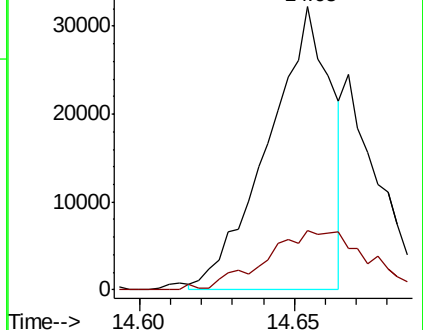
105 100

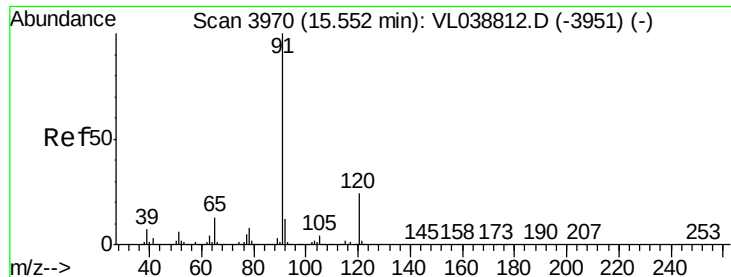
120 34.9 21.8 32.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.357 ppbv

RT: 15.55

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

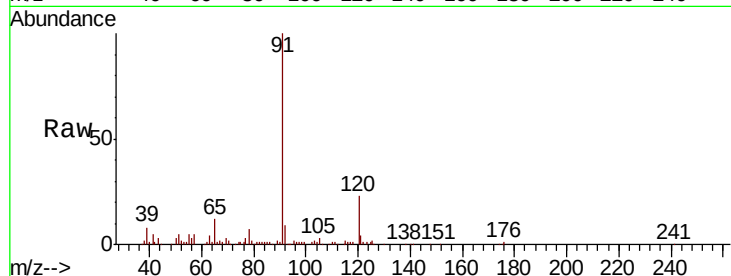
Acq: 11 Apr 2022 19:00

Tot Ion:120 Resp: 49841

Ion Ratio Lower Upper

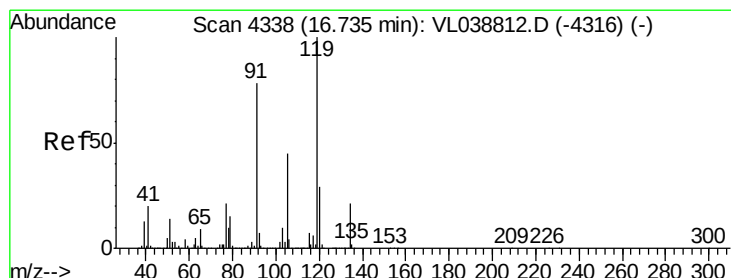
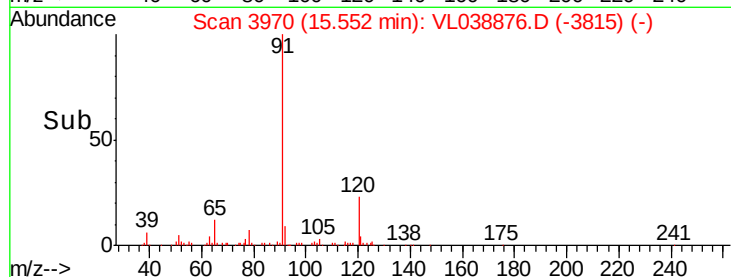
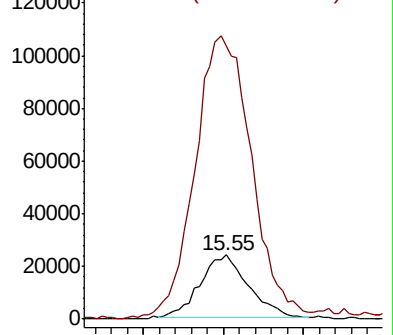
120 100

91 536.1 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.097 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.01 min

Lab File: VL038876.D

Acq: 11 Apr 2022 19:00

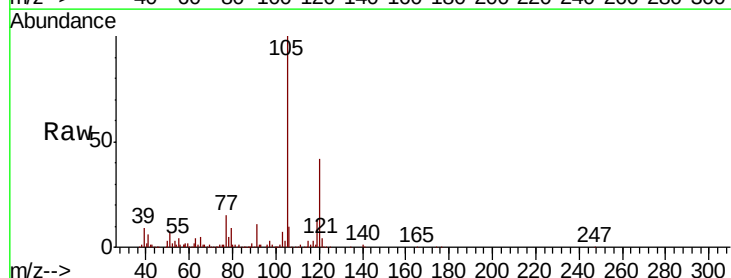
Tgt Ion:119 Resp: 46047

Ion Ratio Lower Upper

119 100

91 281.9 62.8 94.2#

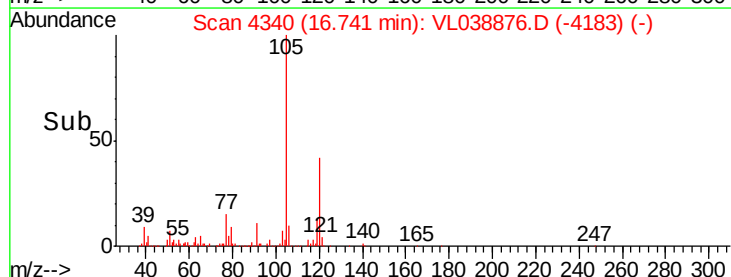
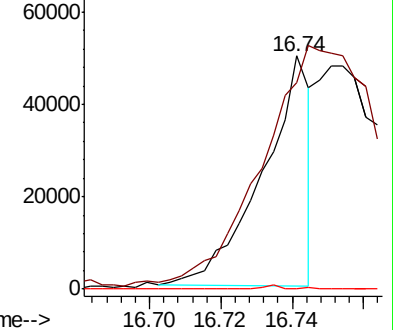
134 0.8 16.2 24.4#

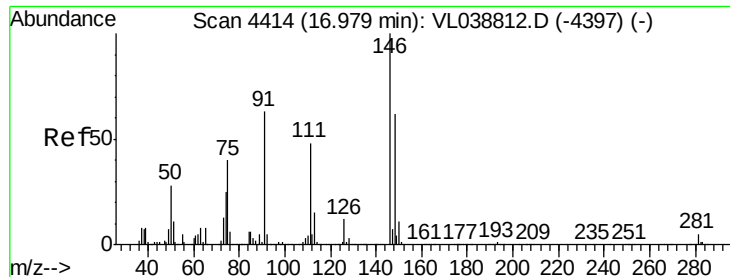


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

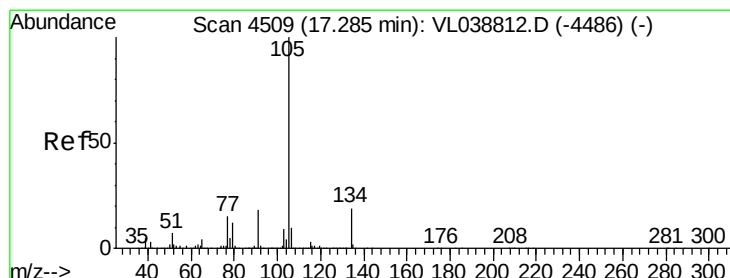
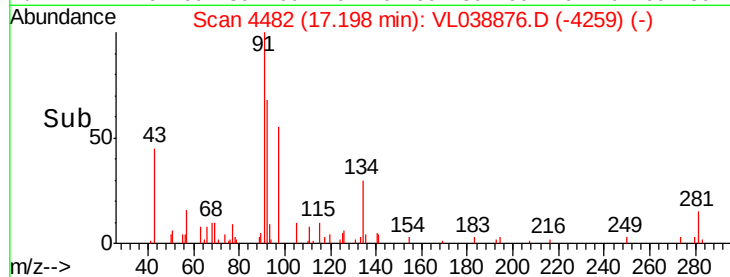
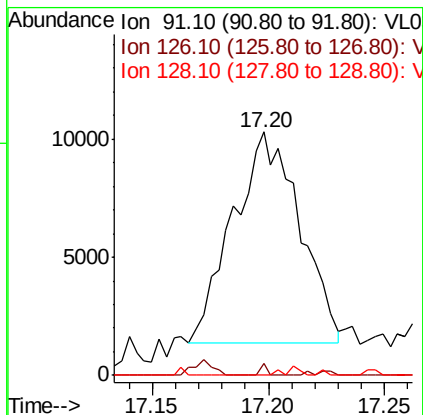
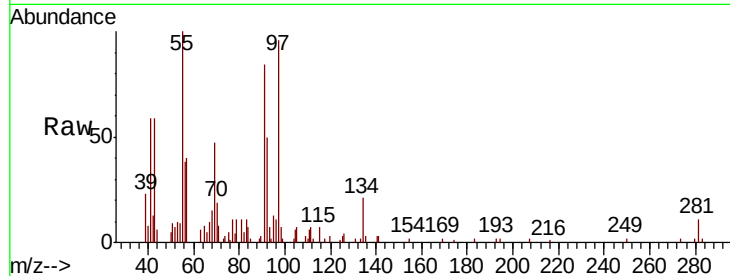
Ion 134.20 (133.90 to 134.90): V





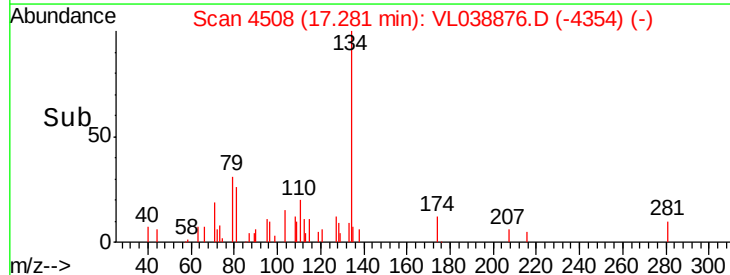
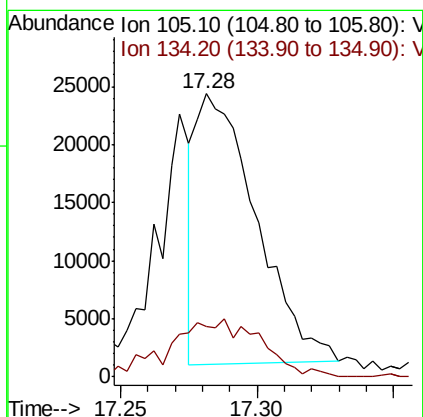
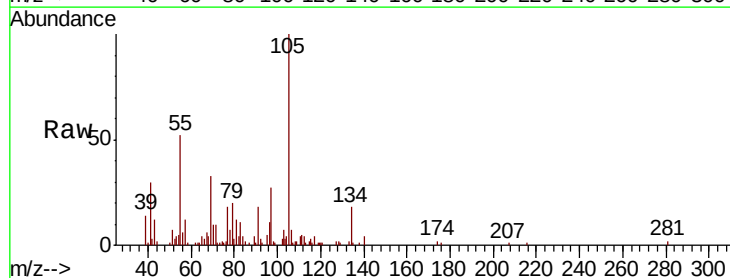
#66  
Benzyl Chloride  
Concen: 0.183 ppbv  
RT: 17.20 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 11 Apr 2022 19:00

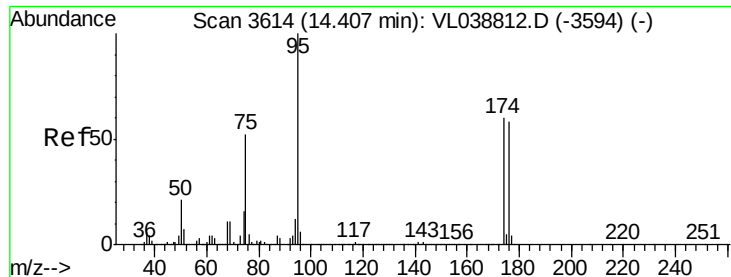
| Tot Ion   | 91    | Resp  | 17787 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 1.1   | 15.4  | 23.0# |
| 128       | 0.0   | 4.7   | 7.1#  |



#67  
sec-Butylbenzene  
Concen: 0.053 ppbv  
RT: 17.28 min Scan# 4508  
Delta R.T.: -0.00 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

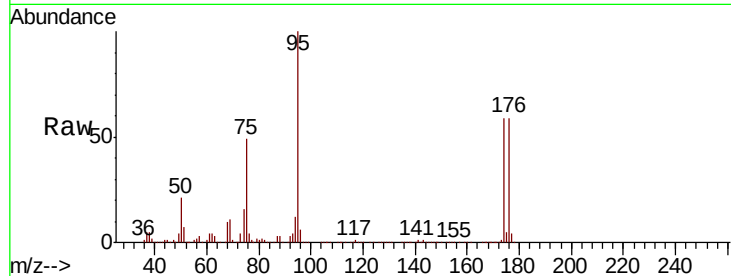
| Tgt Ion   | 105   | Resp  | 35629 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 134       | 32.7  | 15.1  | 22.7# |



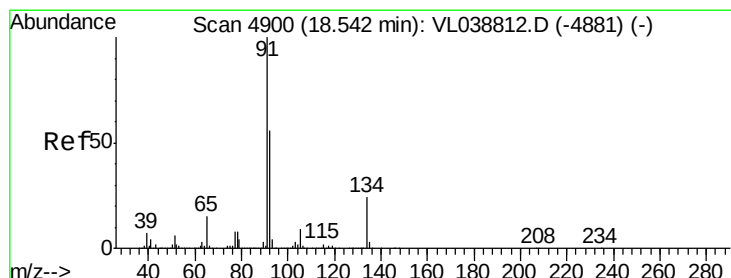
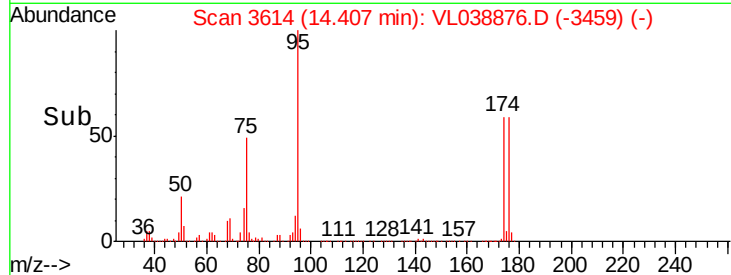
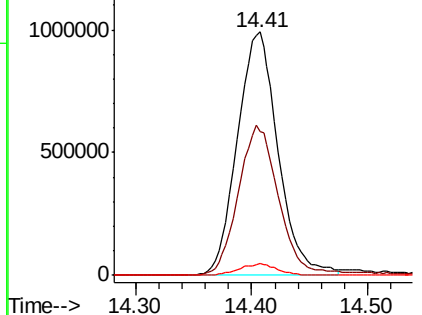


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.462 ppbv  
 RT: 14.41 min  
 Delta R.T.: 0.00 min  
 Lab File: VL038812.D  
 Acq: 11 Apr 2022 19:00

Tot Ion: 95 Resp: 2419935  
 Ion Ratio Lower Upper  
 95 100  
 174 62.6 52.0 78.0  
 175 4.7 4.0 6.0

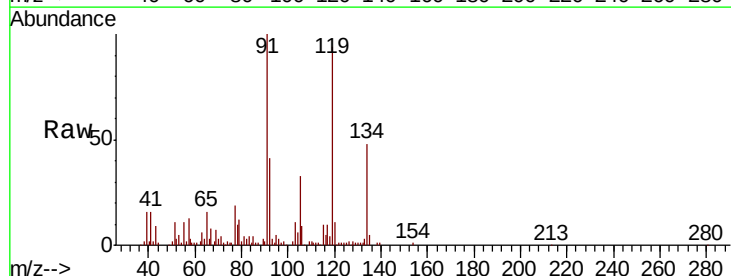


Abundance Ion 95.10 (94.80 to 95.80): VL0  
 Ion 174.00 (173.70 to 174.70): VL0  
 Ion 175.00 (174.70 to 175.70): VL0

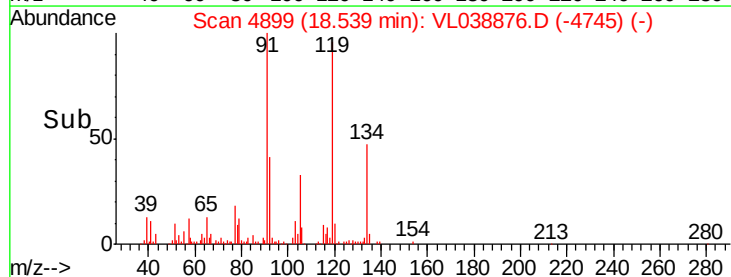
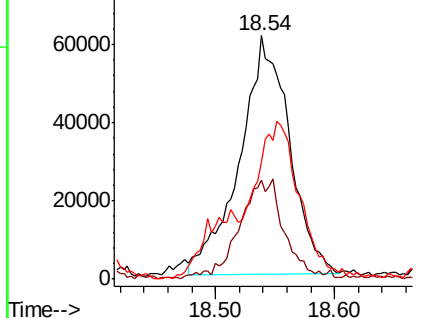


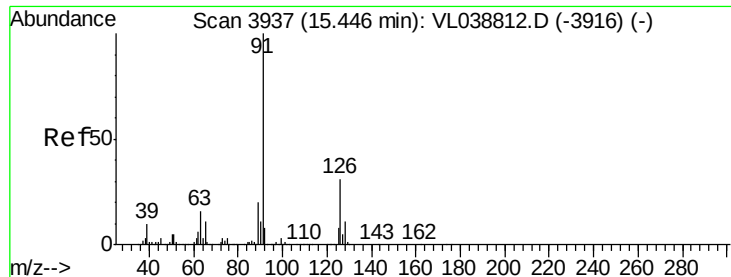
#70  
 n-Butylbenzene  
 Concen: 0.317 ppbv  
 RT: 18.54 min Scan# 4899  
 Delta R.T.: -0.00 min  
 Lab File: VL038876.D  
 Acq: 11 Apr 2022 19:00

Tgt Ion: 91 Resp: 175327  
 Ion Ratio Lower Upper  
 91 100  
 92 39.2 44.6 66.8#  
 134 79.0 19.2 28.8#



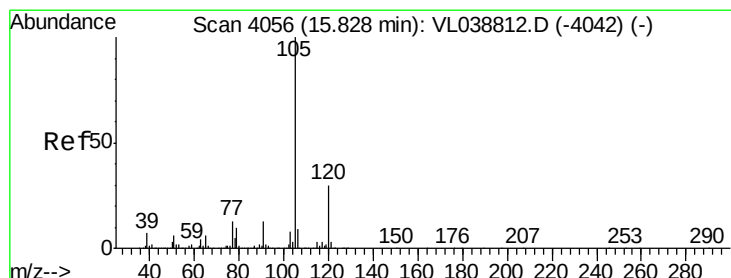
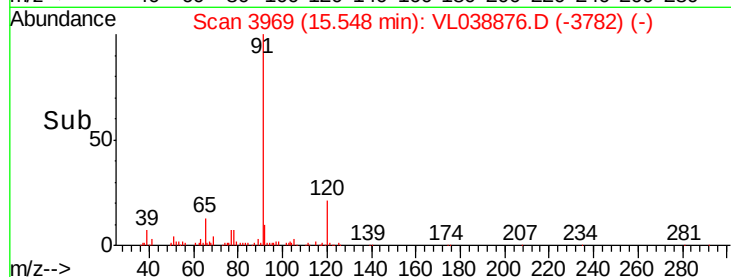
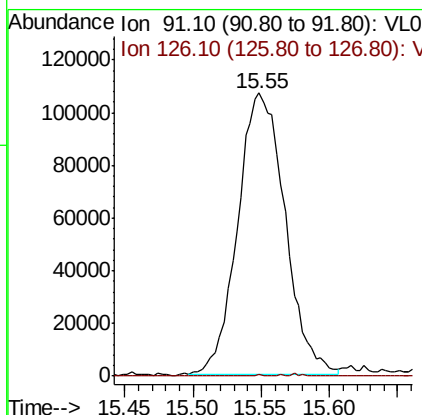
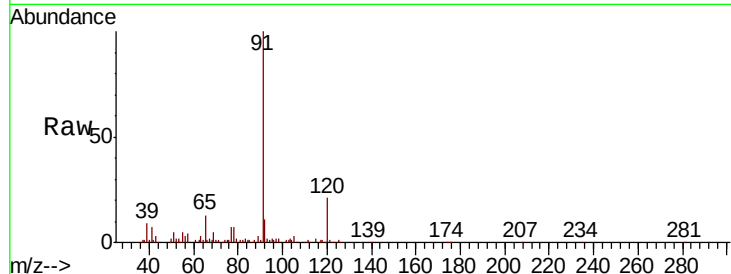
Abundance Ion 91.10 (90.80 to 91.80): VL0  
 Ion 92.10 (91.80 to 92.80): VL0  
 Ion 134.20 (133.90 to 134.90): VL0





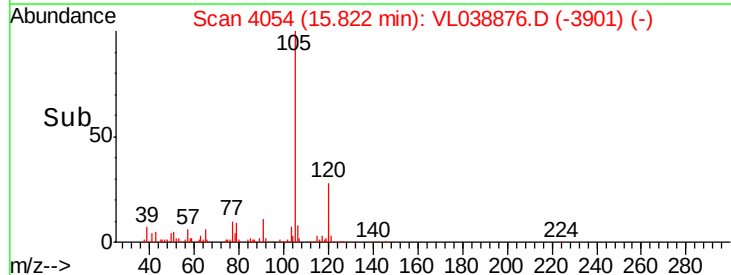
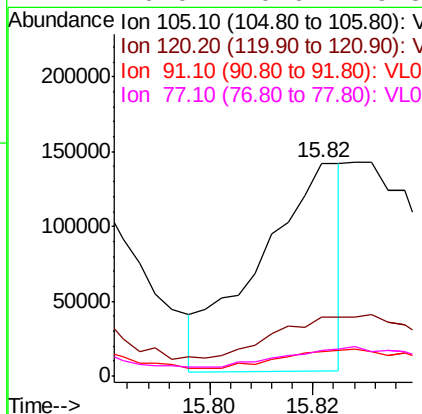
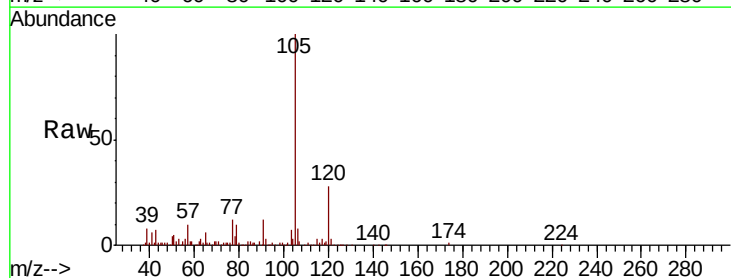
#71  
 2-Chlorotoluene  
 Concen: 0.631 ppbv  
 RT: 15.55  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 11 Apr 2022 19:00

Tot Ion: 91 Resp: 255289  
 Ion Ratio Lower Upper  
 91 100  
 126 0.4 13.0 51.8#

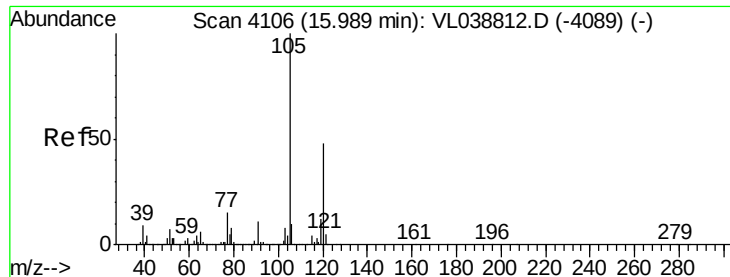


#72  
 4-Ethyltoluene  
 Concen: 0.359 ppbv  
 RT: 15.82 min Scan# 4054  
 Delta R.T. -0.01 min  
 Lab File: VL038876.D  
 Acq: 11 Apr 2022 19:00

Tgt Ion: 105 Resp: 153515  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 24.3 36.5#  
 91 0.0 9.4 14.2#  
 77 0.0 10.6 15.8#







#73

1,3,5-Trimethylbenzene

Concen: 0.773 ppbv

RT: 15.99 min

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

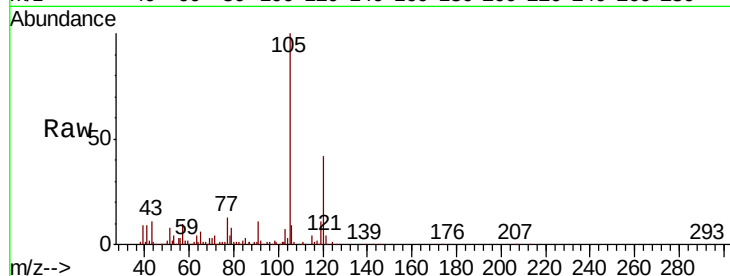
Acq: 11 Apr 2022 19:00

Tot Ion:105 Resp: 296846

Ion Ratio Lower Upper

105 100

120 41.8 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

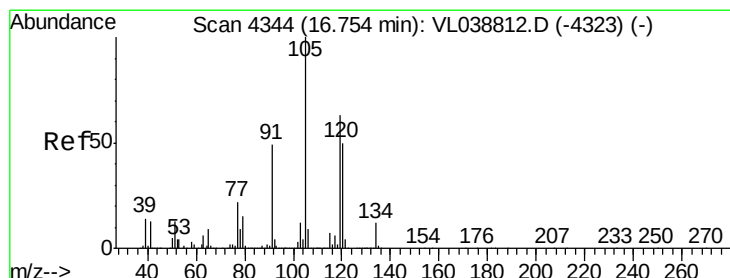
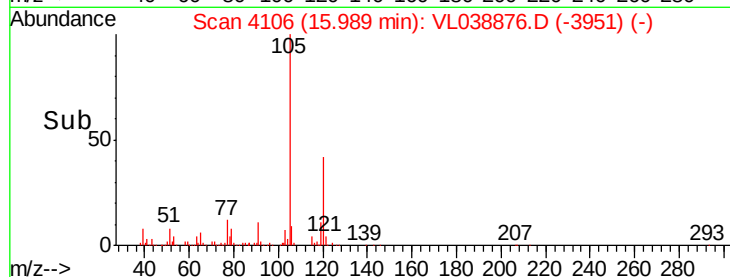
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.711 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038876.D

Acq: 11 Apr 2022 19:00

Tgt Ion:105 Resp: 1100985

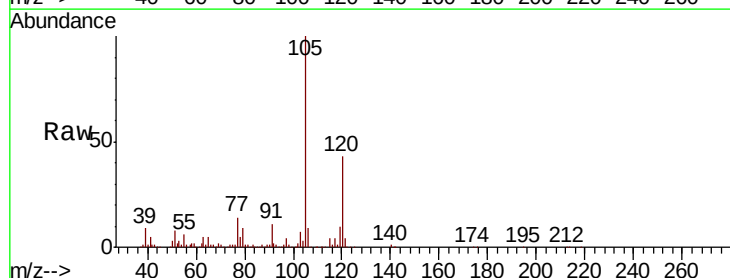
Ion Ratio Lower Upper

105 100

120 42.9 39.8 59.8

91 11.1 39.4 59.0#

77 14.2 17.3 25.9#



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

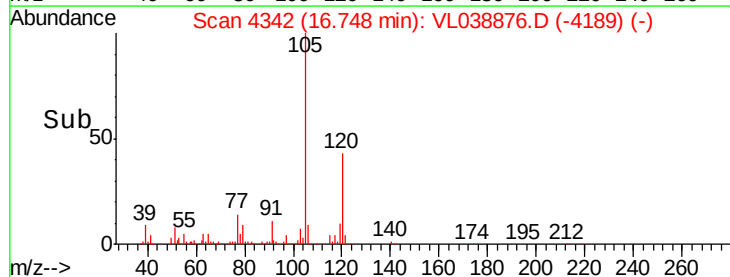
600000

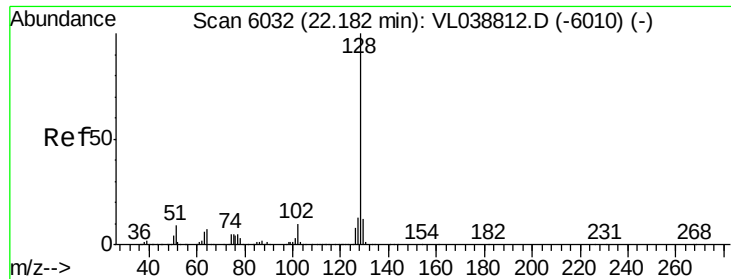
400000

200000

0

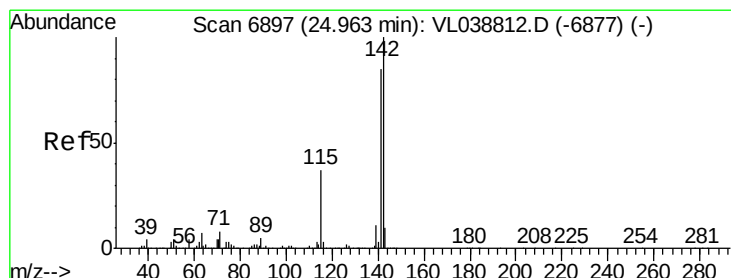
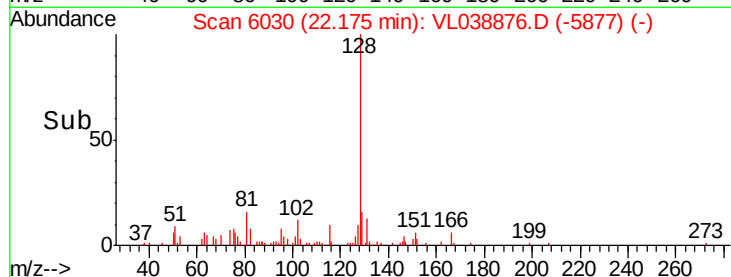
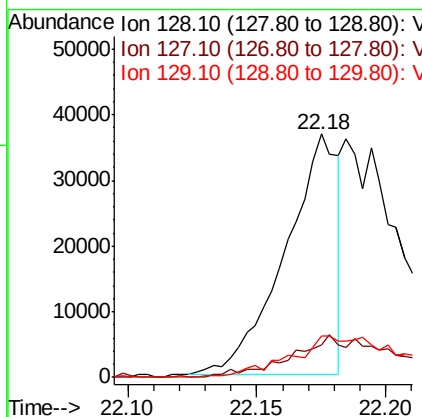
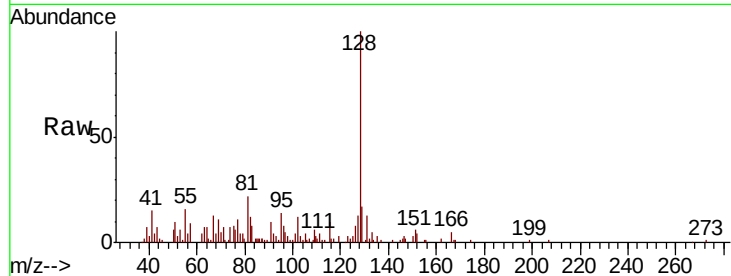
Time-->





#79  
Naphthalene  
Concen: 0.172 ppbv  
RT: 22.18 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 11 Apr 2022 19:00

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.4  | 10.6  | 15.8  |
| 129     | 17.2  | 9.4   | 14.0  |



#80  
Naphthalene, 2-methyl-  
Concen: 0.149 ppbv  
RT: 24.96 min Scan# 6896  
Delta R.T.: -0.00 min  
Lab File: VL038876.D  
Acq: 11 Apr 2022 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 100.5 | 68.8  | 103.2 |
| 115     | 130.0 | 31.6  | 47.4  |

