

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\  
 Data File : VL036526.D  
 Acq On : 26 Mar 2021 23:11  
 Operator : SY/AP  
 Sample : M1760-16  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Mar 27 03:31:36 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1424362  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3141620  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2921205  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2293777  | 9.85     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.50% |

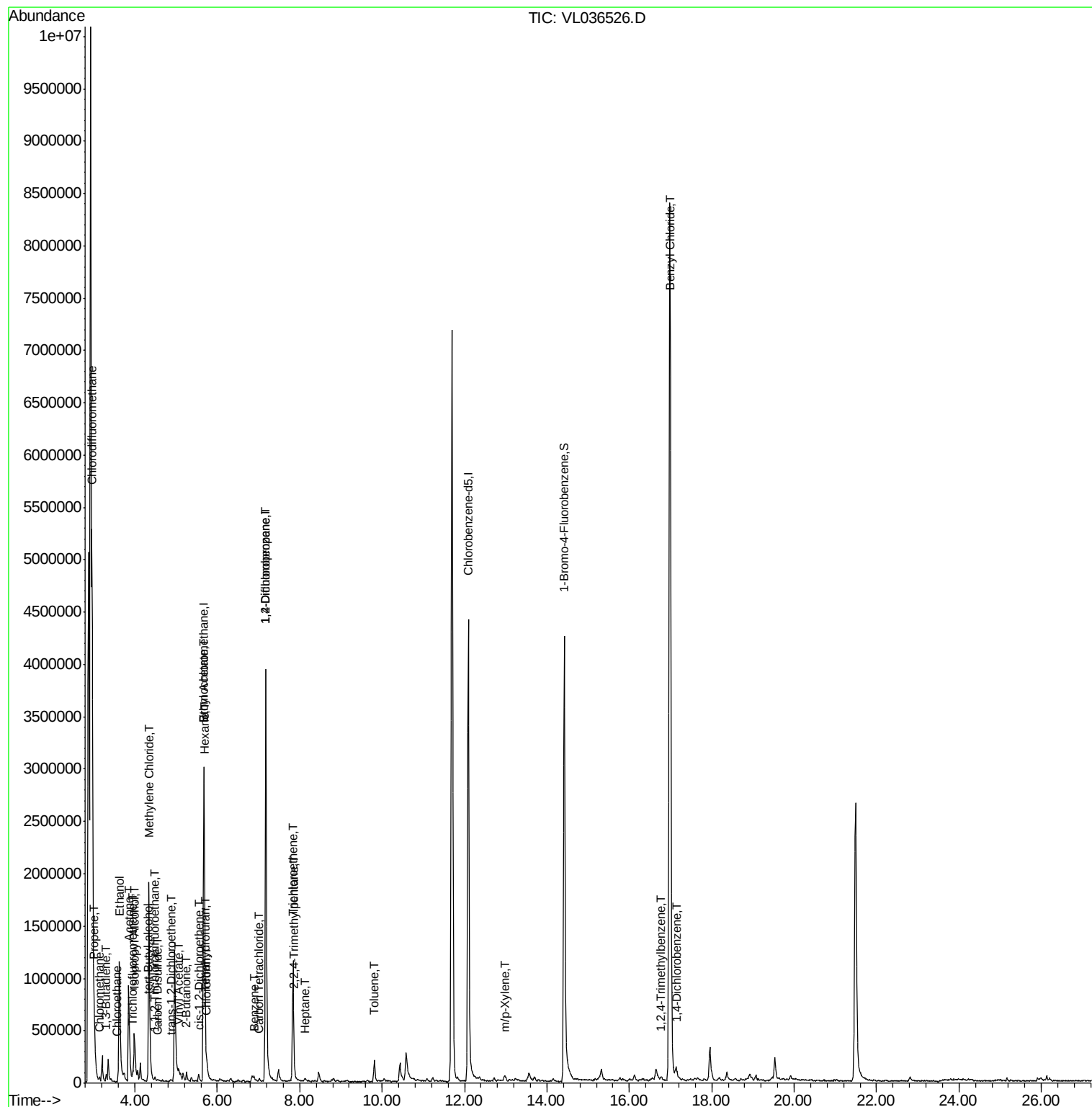
| Target Compounds               |       |     |         |         | Ovalue |      |
|--------------------------------|-------|-----|---------|---------|--------|------|
| 3) Chlorodifluoromethane       | 2.96  | 51  | 3138871 | 11.795  | ppbv   | # 59 |
| 4) Chloromethane               | 3.14  | 50  | 23268   | 0.248   | ppbv   | 94   |
| 7) Chloroethane                | 3.55  | 64  | 2545    | 0.077   | ppbv   | 97   |
| 9) Propene                     | 3.02  | 41  | 61122   | 0.720   | ppbv   | 92   |
| 10) Heptane                    | 8.12  | 43  | 5099    | 0.024   | ppbv   | # 28 |
| 11) Trichlorofluoromethane     | 3.95  | 101 | 59497   | 0.251   | ppbv   | 93   |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48  | 101 | 8242    | 0.054   | ppbv   | 84   |
| 13) Ethanol                    | 3.62  | 45  | 1671616 | 165.459 | ppbv   | 92   |
| 15) Acetone                    | 3.85  | 43  | 1207379 | 8.612   | ppbv   | 98   |
| 16) 1,3-Butadiene              | 3.31  | 39  | 12658   | 0.130   | ppbv   | # 30 |
| 17) tert-Butyl alcohol         | 4.31  | 59  | 25769   | 0.211   | ppbv   | # 72 |
| 19) Isopropyl Alcohol          | 3.99  | 45  | 530319  | 6.877   | ppbv   | # 95 |
| 20) Methylene Chloride         | 4.34  | 84  | 703560  | 10.719  | ppbv   | 94   |
| 22) trans-1,2-Dichloroethene   | 4.89  | 96  | 1406    | 0.023   | ppbv   | 90   |
| 23) Vinyl Acetate              | 5.07  | 43  | 20472   | 0.085   | ppbv   | # 62 |
| 25) Ethyl Acetate              | 5.68  | 43  | 733305  | 2.200   | ppbv   | # 96 |
| 26) Hexane                     | 5.69  | 57  | 473927  | 3.064   | ppbv   | # 77 |
| 27) Carbon Disulfide           | 4.55  | 76  | 8159    | 0.054   | ppbv   | # 61 |
| 29) Chloroform                 | 5.75  | 83  | 38148   | 0.154   | ppbv   | 91   |
| 31) cis-1,2-Dichloroethene     | 5.55  | 61  | 43169   | 0.289   | ppbv   | # 87 |
| 34) 2-Butanone                 | 5.25  | 43  | 92196   | 0.601   | ppbv   | # 90 |
| 35) Carbon Tetrachloride       | 7.01  | 117 | 10897   | 0.045   | ppbv   | # 68 |
| 36) Benzene                    | 6.89  | 78  | 30111   | 0.104   | ppbv   | # 91 |
| 38) Trichloroethene            | 7.84  | 130 | 363385  | 3.223   | ppbv   | 97   |
| 39) 1,2-Dichloropropane        | 7.17  | 63  | 859389  | 7.312   | ppbv   | # 23 |
| 41) Tetrahydrofuran            | 5.73  | 42  | 2921    | 0.041   | ppbv   | # 69 |
| 44) 2,2,4-Trimethylpentane     | 7.87  | 57  | 17730   | 0.035   | ppbv   | # 45 |
| 53) Toluene                    | 9.81  | 91  | 153547  | 0.498   | ppbv   | 100  |
| 59) m/p-Xylene                 | 13.00 | 91  | 10509   | 0.028   | ppbv   | # 32 |
| 66) Benzyl Chloride            | 17.00 | 91  | 1050    | 0.023   | ppbv   | # 1  |
| 74) 1,2,4-Trimethylbenzene     | 16.77 | 105 | 8646    | 0.022   | ppbv   | # 42 |
| 76) 1,4-Dichlorobenzene        | 17.14 | 146 | 28841   | 0.132   | ppbv   | # 32 |

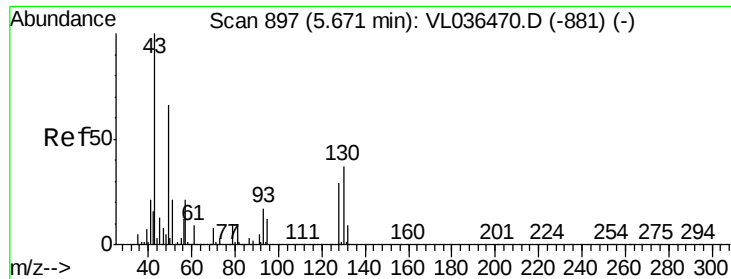
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

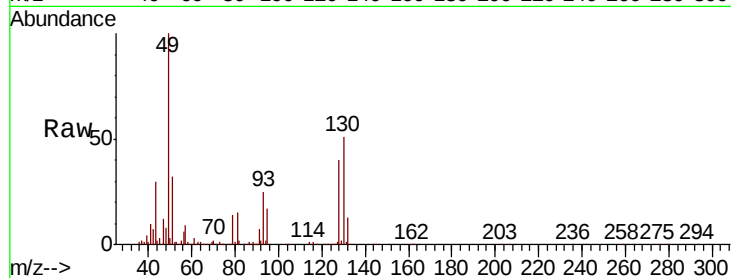
Instrument :

MSVOA\_L

ClientSampled :

Tot Ion: 49 Resp: 1424362

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 42.8  | 23.5  | 70.6  |
| 130 | 55.2  | 29.1  | 87.4  |

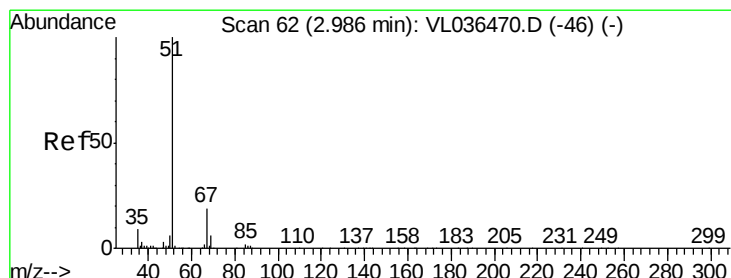
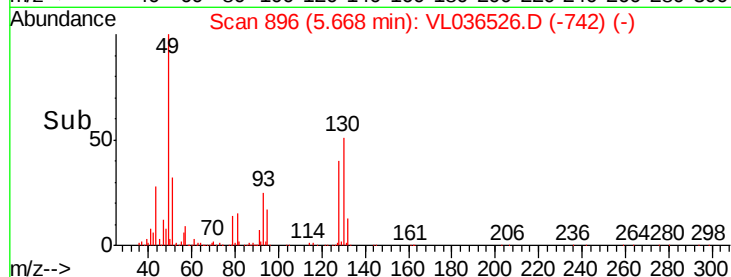


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#3

Chlorodifluoromethane

Concen: 11.795 ppbv

RT: 2.96 min Scan# 54

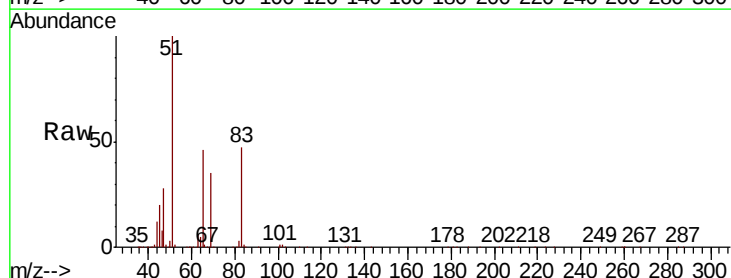
Delta R.T. -0.03 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Tgt Ion: 51 Resp: 3138871

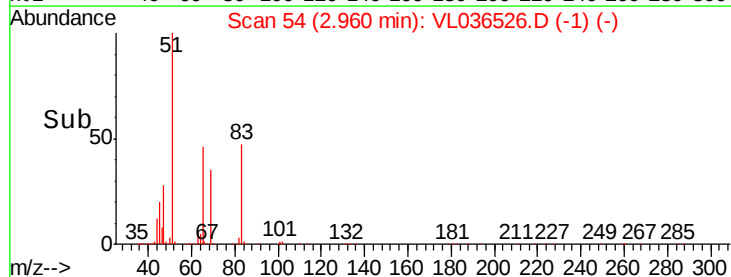
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 51  | 100   |       |       |
| 67  | 0.1   | 14.7  | 22.1  |

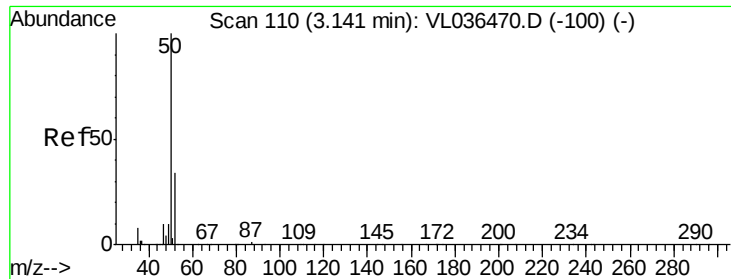


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

Time-->





#4

Chloromethane

Concen: 0.248 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Instrument :

MSVOA\_L

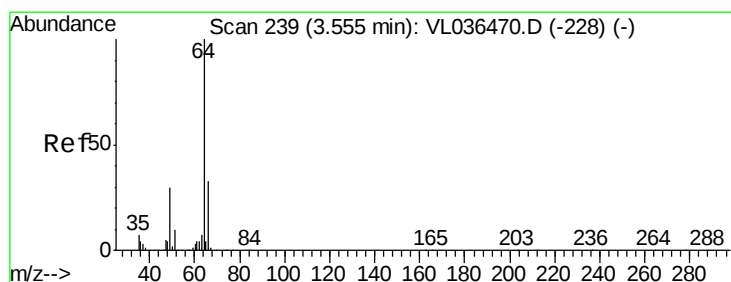
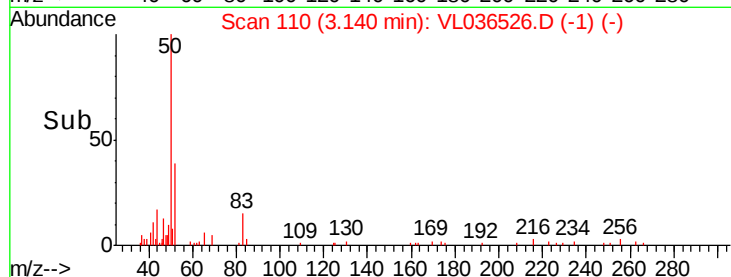
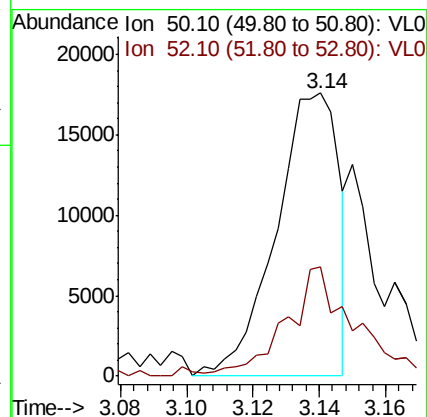
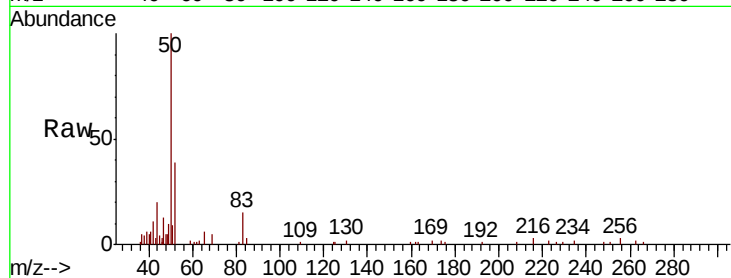
ClientSampleId :

Tot Ion: 50 Resp: 23268

Ion Ratio Lower Upper

50 100

52 37.0 27.0 40.6



#7

Chloroethane

Concen: 0.077 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036526.D

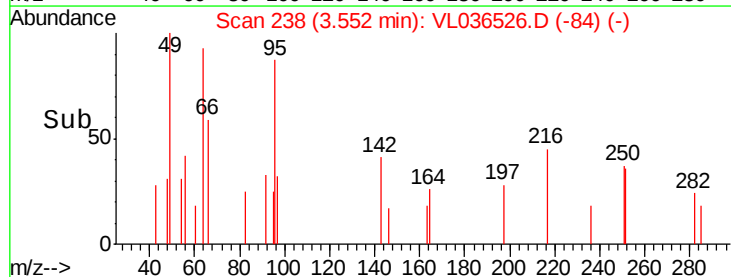
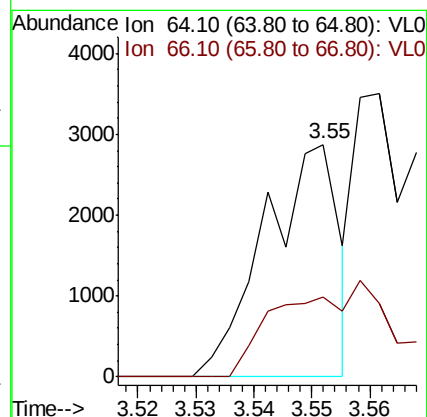
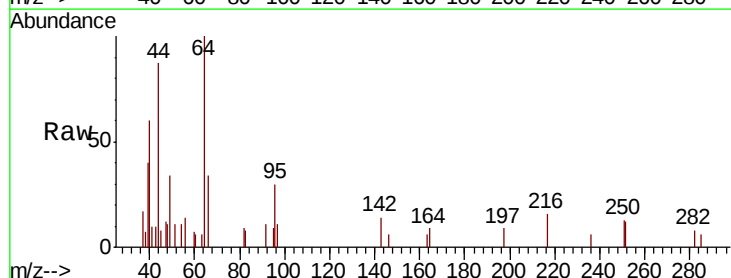
Acq: 26 Mar 2021 23:11

Tgt Ion: 64 Resp: 2545

Ion Ratio Lower Upper

64 100

66 34.4 26.2 39.2





#9

Propene

Concen: 0.720 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Instrument :

MSVOA\_L

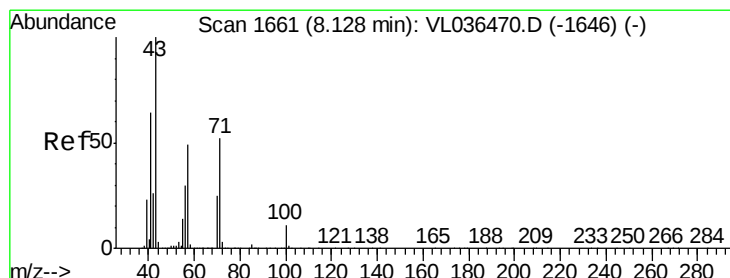
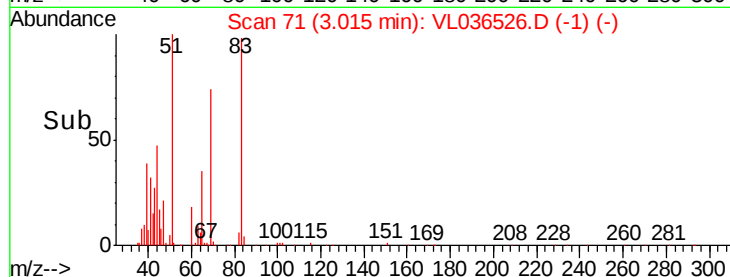
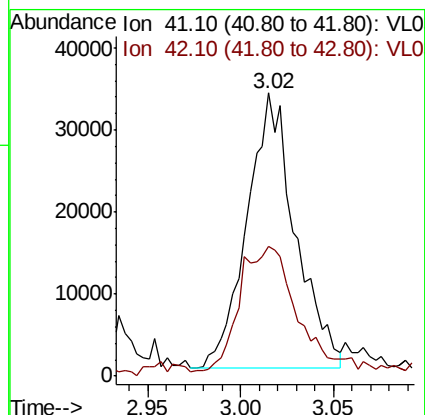
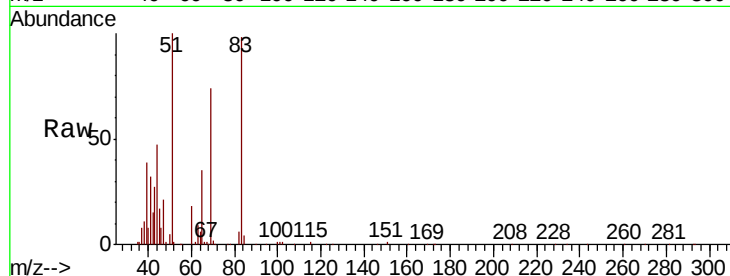
ClientSampleId :

Tot Ion: 41 Resp: 61122

Ion Ratio Lower Upper

41 100

42 64.9 57.0 85.4



#10

Heptane

Concen: 0.024 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036526.D

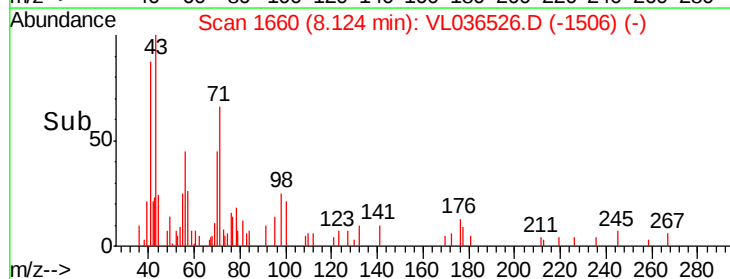
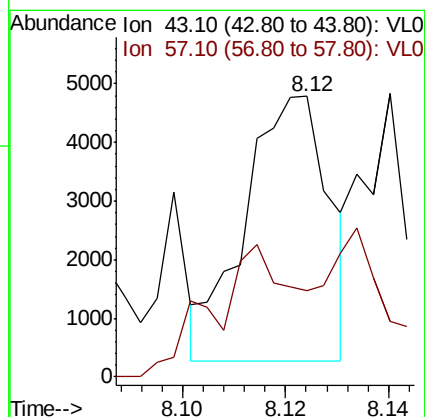
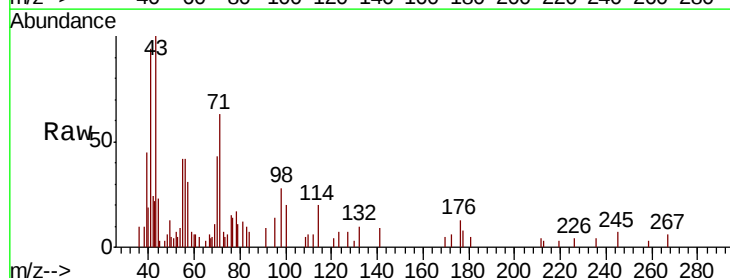
Acq: 26 Mar 2021 23:11

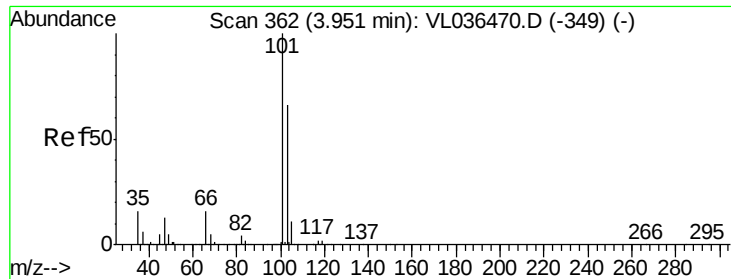
Tgt Ion: 43 Resp: 5099

Ion Ratio Lower Upper

43 100

57 0.0 39.0 58.6#

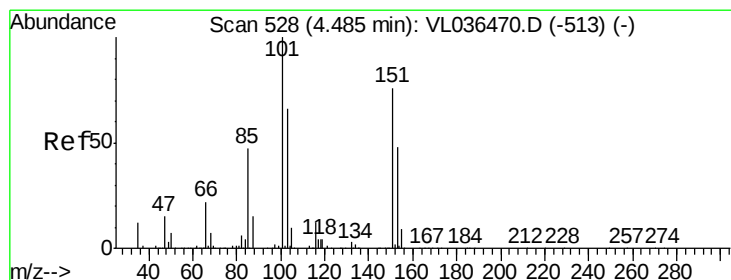
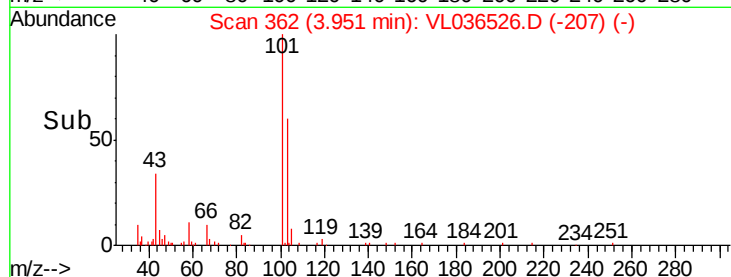
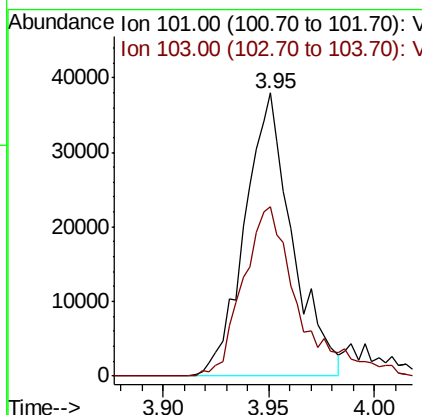
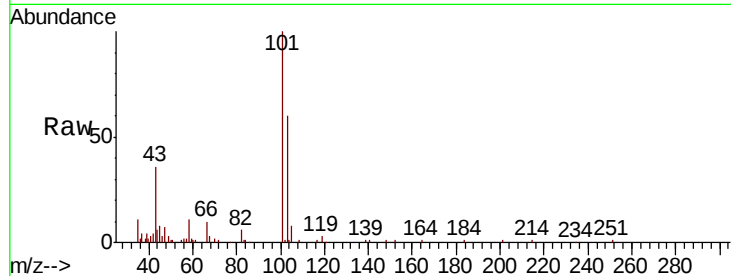




#11  
 Trichlorofluoromethane  
 Concen: 0.251 ppbv  
 RT: 3.95 min Scan# 362  
 Delta R.T. -0.00 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

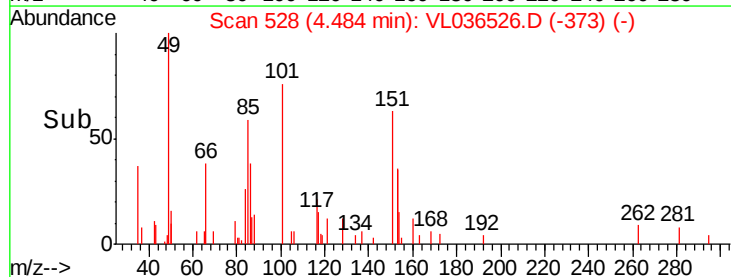
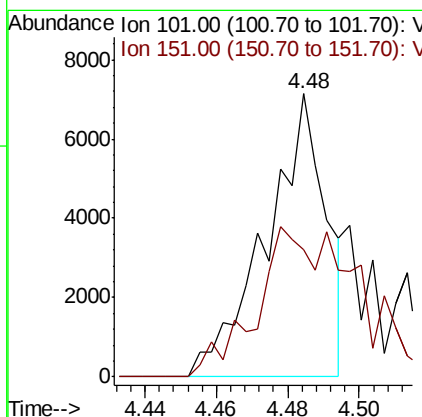
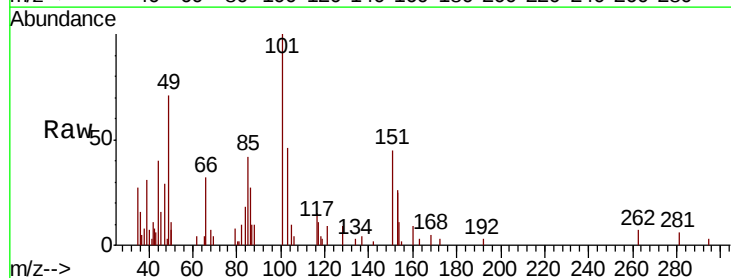
Instrument :  
 MSVOA\_L  
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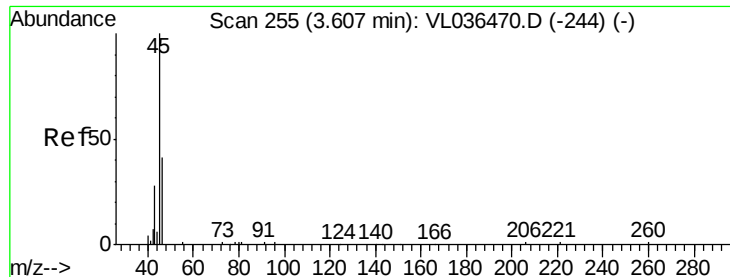
Tot Ion:101 Resp: 59497  
 Ion Ratio Lower Upper  
 101 100  
 103 59.7 52.5 78.7



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.054 ppbv  
 RT: 4.48 min Scan# 528  
 Delta R.T. -0.00 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Tgt Ion:101 Resp: 8242  
 Ion Ratio Lower Upper  
 101 100  
 151 89.6 60.9 91.3

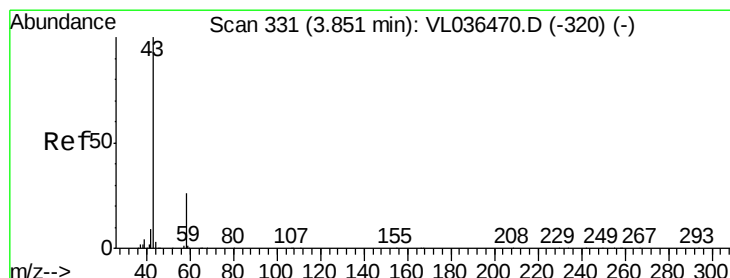
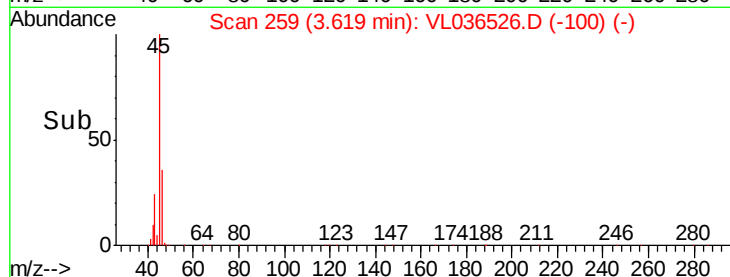
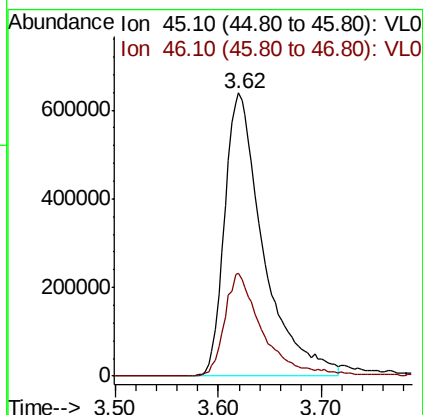
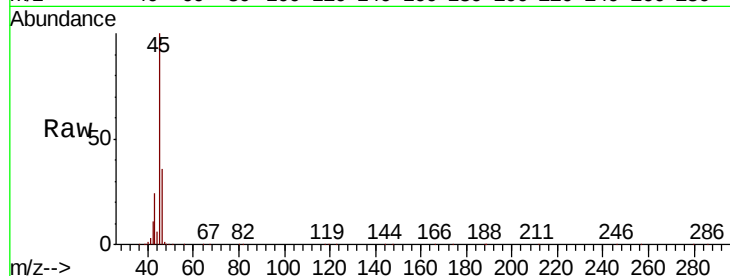




#13  
Ethanol  
Concen: 165.459 ppbv  
RT: 3.62 min Scan# 259  
Delta R.T. 0.01 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

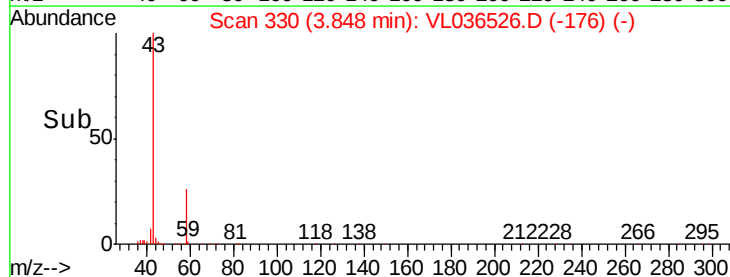
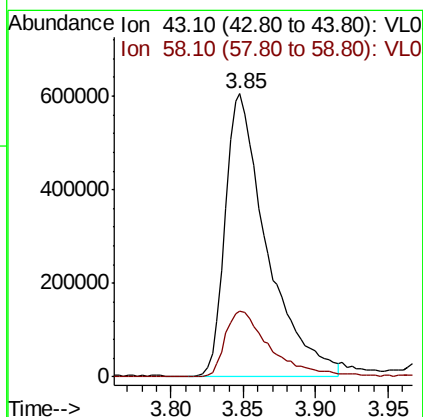
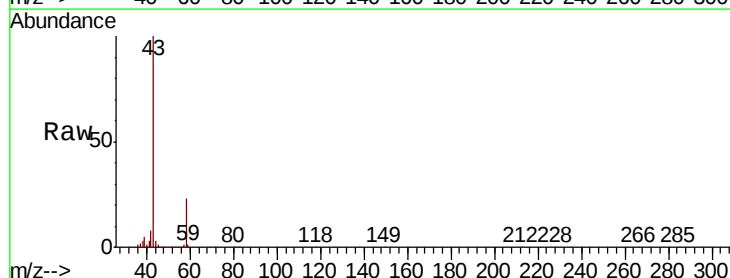
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ClientSampleId :

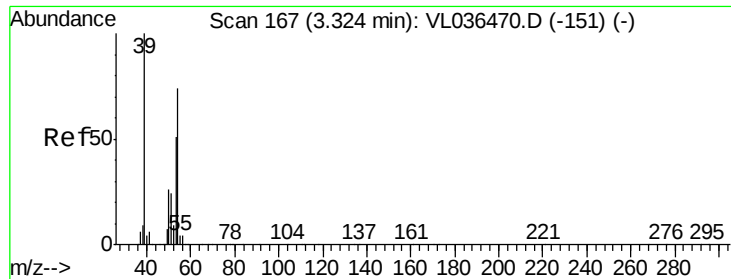
Tot Ion: 45 Resp: 1671616  
Ion Ratio Lower Upper  
45 100  
46 36.2 16.6 66.2



#15  
Acetone  
Concen: 8.612 ppbv  
RT: 3.85 min Scan# 330  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

Tgt Ion: 43 Resp: 1207379  
Ion Ratio Lower Upper  
43 100  
58 25.7 21.2 31.8

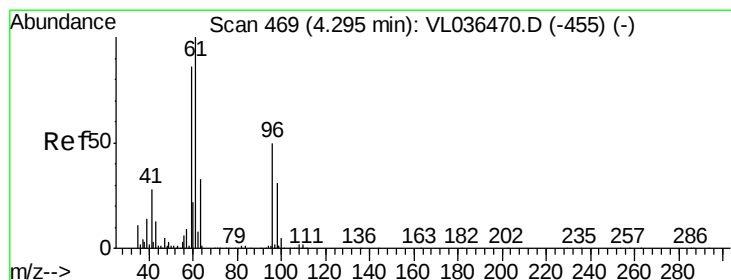
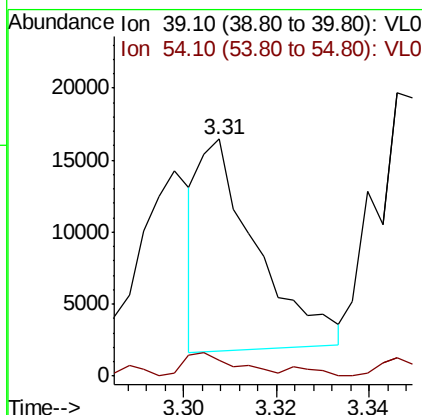
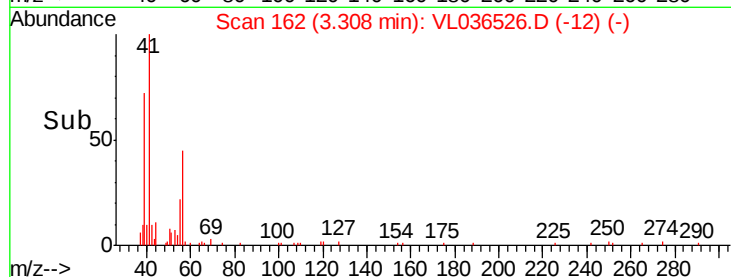
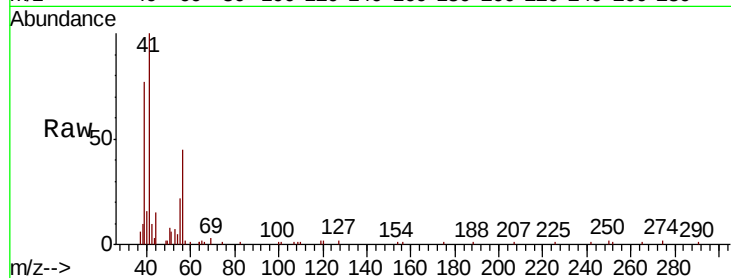




#16  
 1,3-Butadiene  
 Concen: 0.130 ppbv  
 RT: 3.31 min Scan# 162  
 Delta R.T. -0.02 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

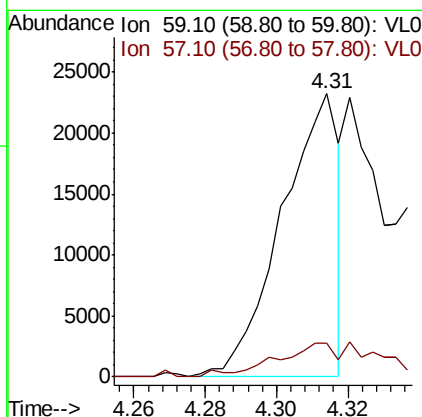
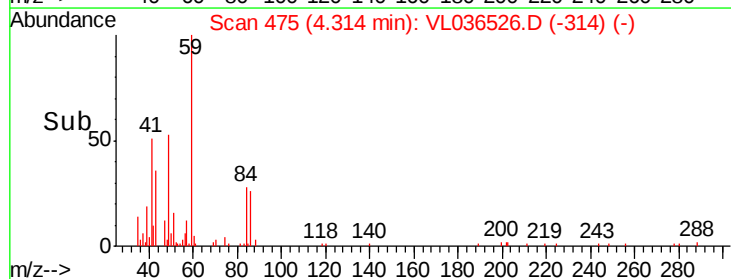
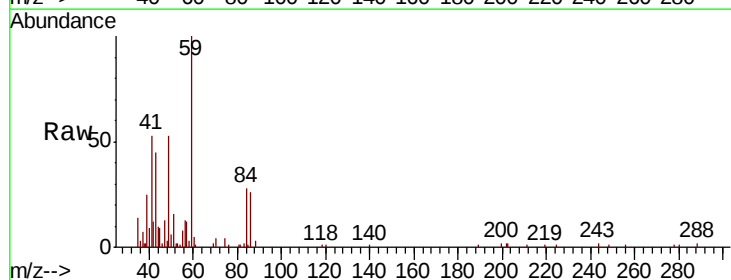
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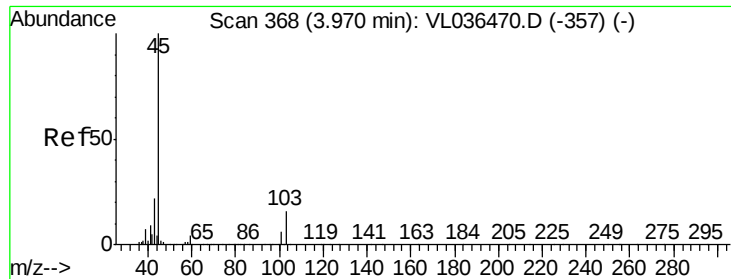
Tot Ion: 39 Resp: 12658  
 Ion Ratio Lower Upper  
 39 100  
 54 14.6 58.8 88.2#



#17  
 tert-Butyl alcohol  
 Concen: 0.211 ppbv  
 RT: 4.31 min Scan# 475  
 Delta R.T. 0.02 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Tgt Ion: 59 Resp: 25769  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.6 12.8#

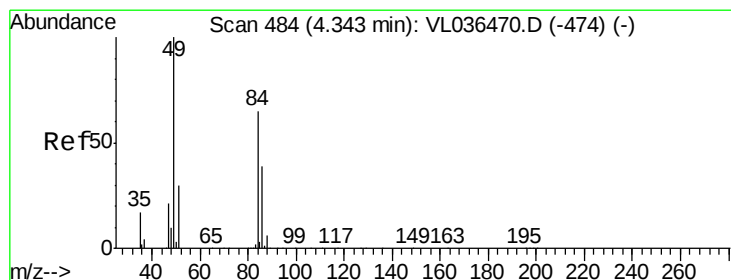
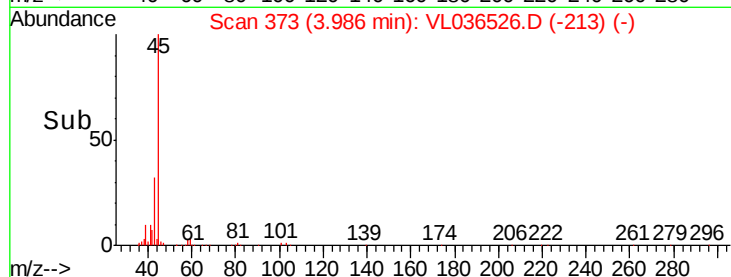
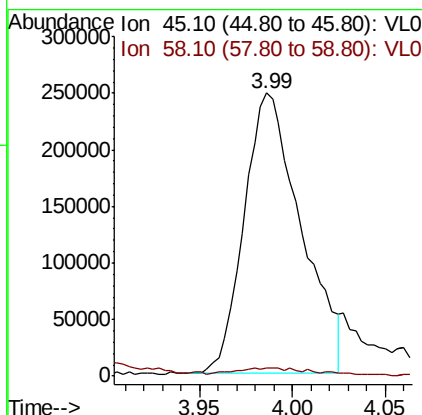
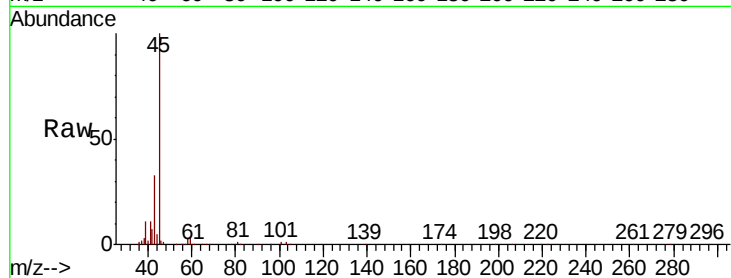




#19  
Isopropyl Alcohol  
Concen: 6.877 ppbv  
RT: 3.99 min Scan# 373  
Delta R.T. 0.02 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

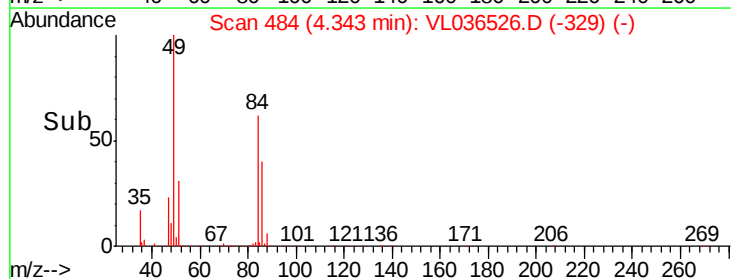
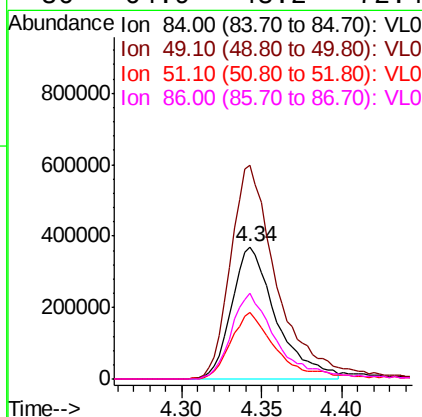
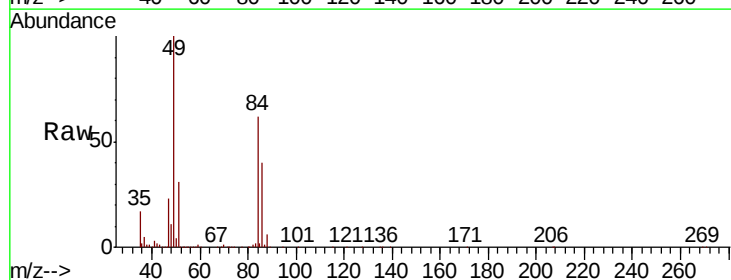
Instrument :  
MSVOA\_L  
ClientSampled :

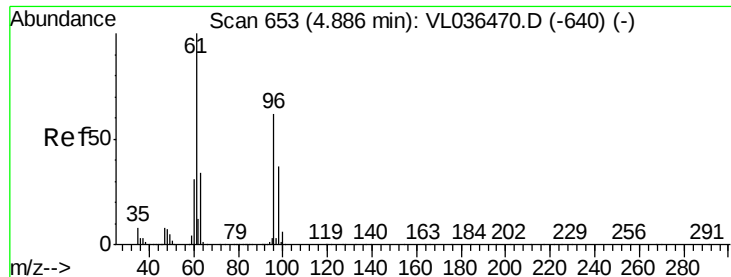
Tot Ion: 45 Resp: 530319  
Ion Ratio Lower Upper  
45 100  
58 5.1 2.9 4.3#



#20  
Methylene Chloride  
Concen: 10.719 ppbv  
RT: 4.34 min Scan# 484  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

Tgt Ion: 84 Resp: 703560  
Ion Ratio Lower Upper  
84 100  
49 161.7 122.9 184.3  
51 50.3 36.9 55.3  
86 64.9 48.2 72.4





#22

trans-1,2-Dichloroethene

Concen: 0.023 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.00 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Instrument :

MSVOA\_L

ClientSampleId :

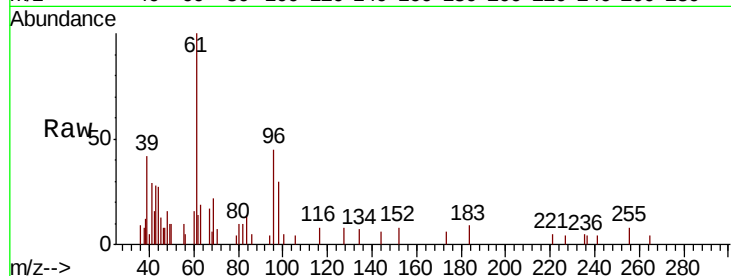
Tot Ion: 96 Resp: 1406

Ion Ratio Lower Upper

96 100

61 175.9 129.4 194.0

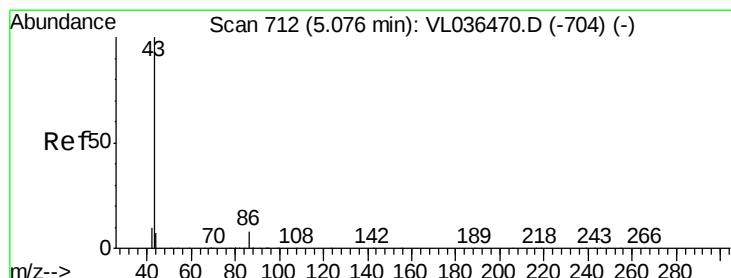
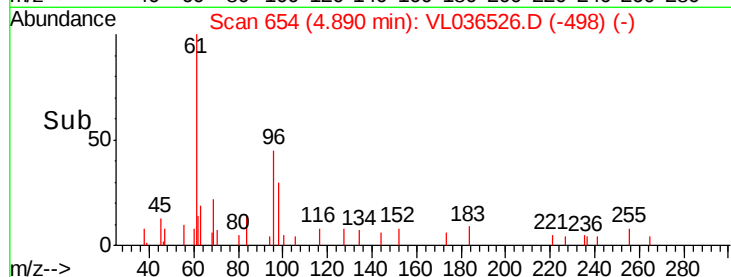
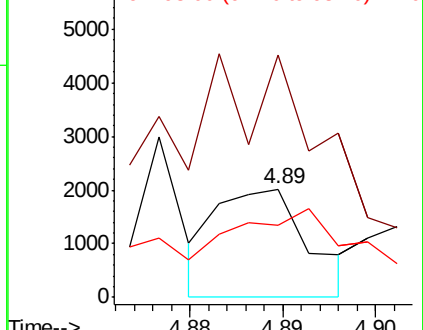
98 53.0 48.2 72.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.085 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Tgt Ion: 43 Resp: 20472

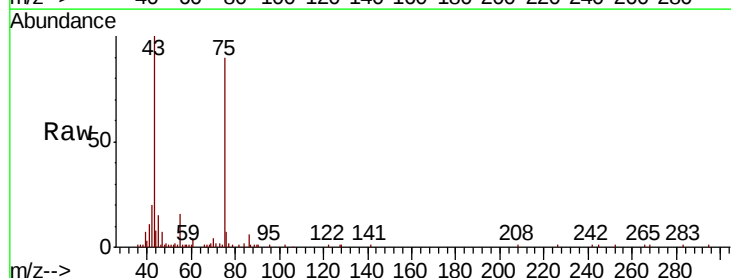
Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#

42 33.4 8.5 12.7#

44 0.0 4.6 7.0#

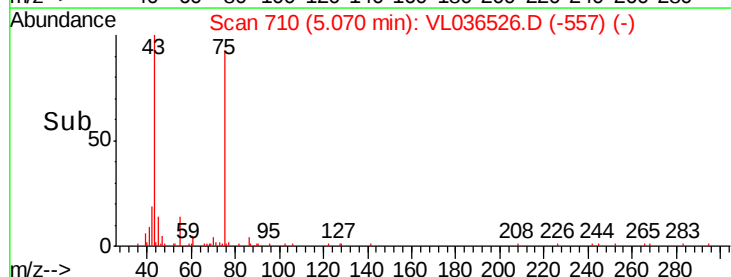
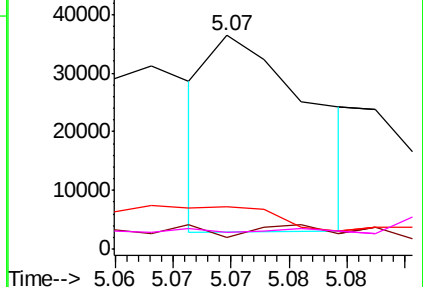


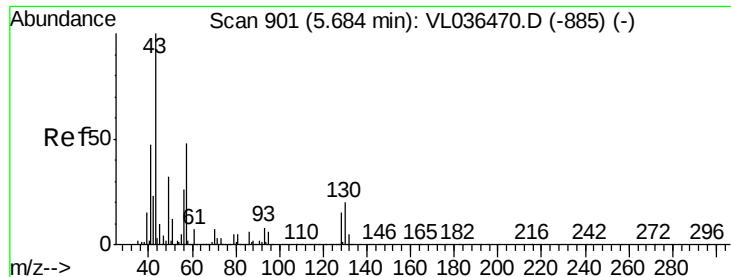
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

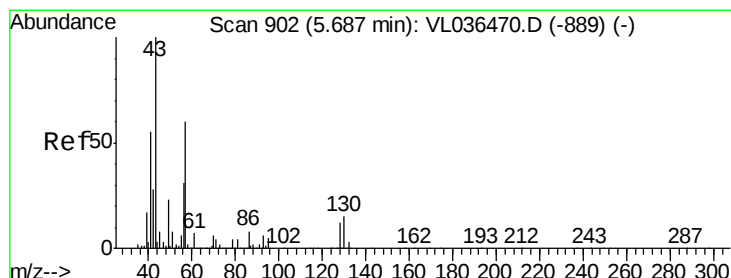
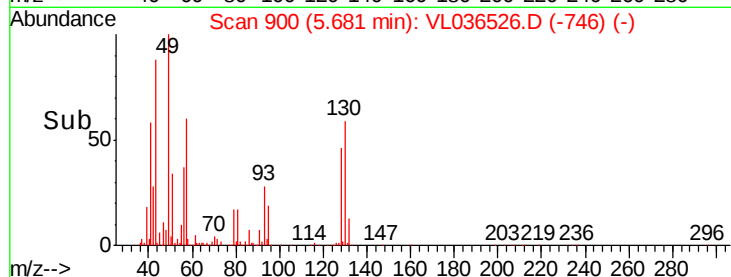
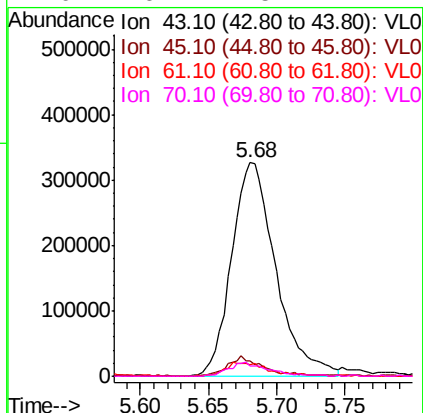
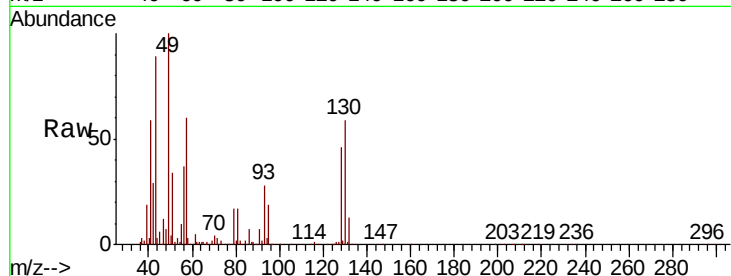




#25  
Ethyl Acetate  
Concen: 2.200 ppbv  
RT: 5.68 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

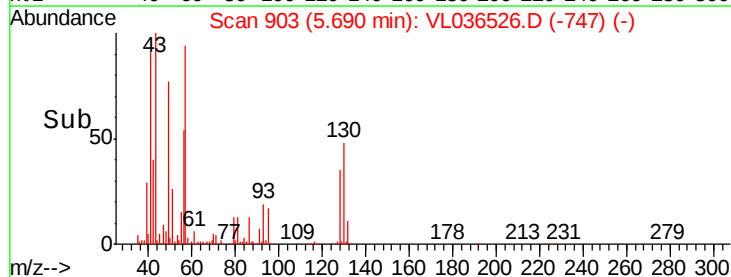
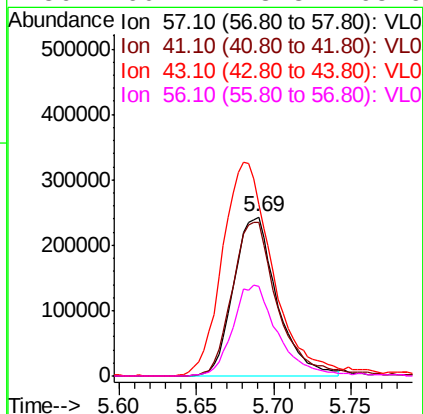
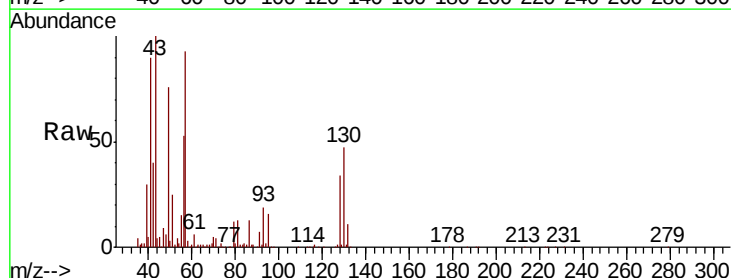
Instrument :  
MSVOA\_L  
ClientSampleId :

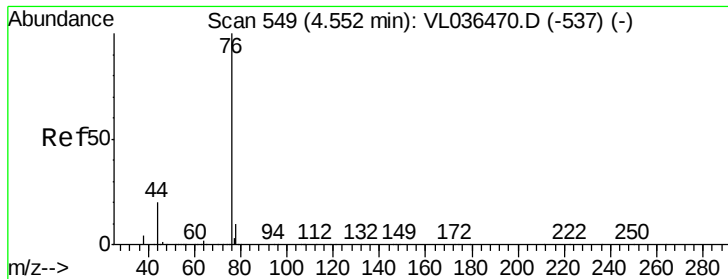
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 733305 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 8.6   | 7.9   | 11.9   |
| 61       | 6.6   | 7.4   | 11.2#  |
| 70       | 6.1   | 5.1   | 7.7    |



#26  
Hexane  
Concen: 3.064 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T. 0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 473927 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 101.9 | 77.2  | 115.8  |
| 43       | 160.7 | 173.8 | 260.6# |
| 56       | 60.2  | 43.8  | 65.6   |





#27

Carbon Disulfide

Concen: 0.054 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Instrument :

MSVOA\_L

ClientSampled :

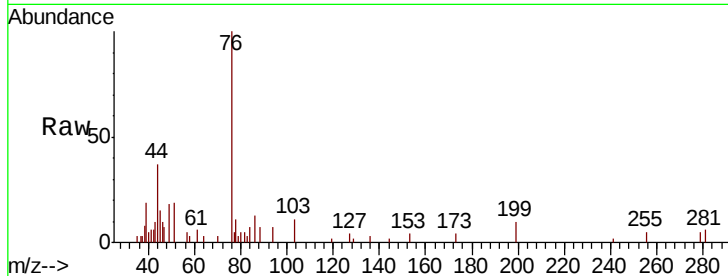
Tot Ion: 76 Resp: 8159

Ion Ratio Lower Upper

76 100

44 0.0 17.5 26.3#

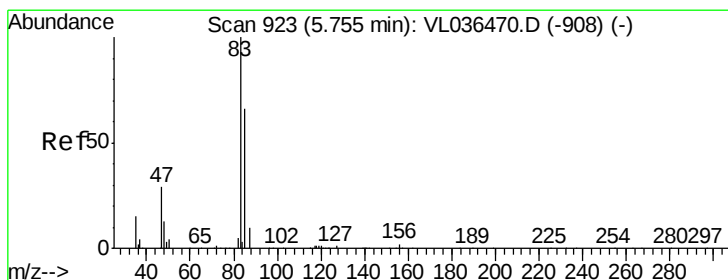
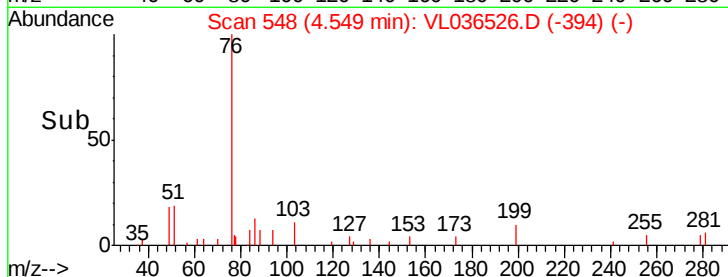
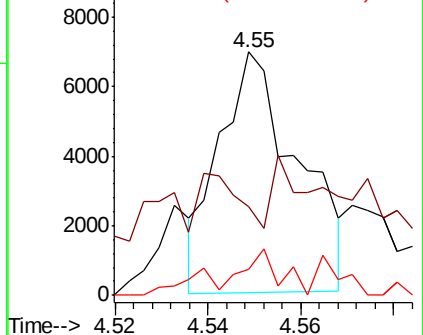
78 20.1 8.6 13.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.154 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.00 min

Lab File: VL036526.D

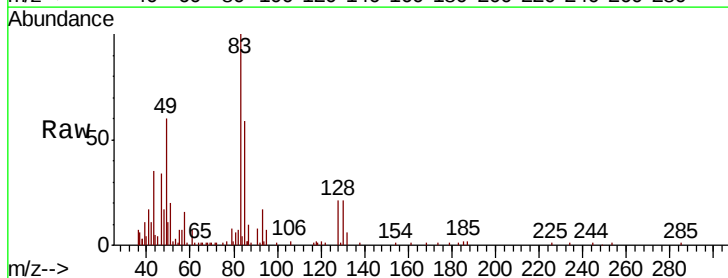
Acq: 26 Mar 2021 23:11

Tgt Ion: 83 Resp: 38148

Ion Ratio Lower Upper

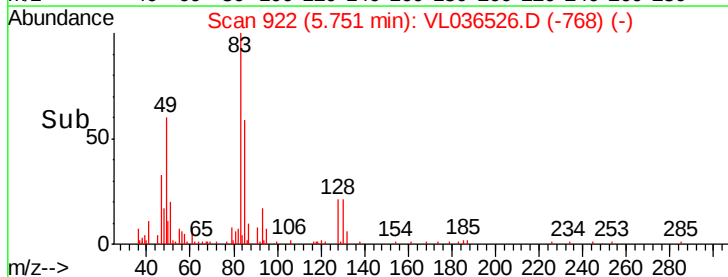
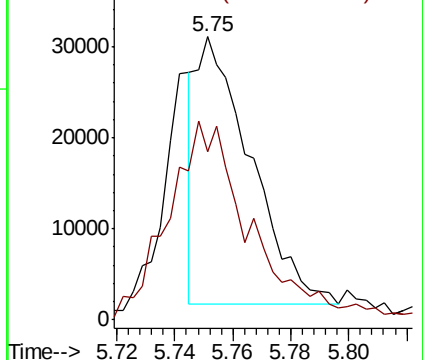
83 100

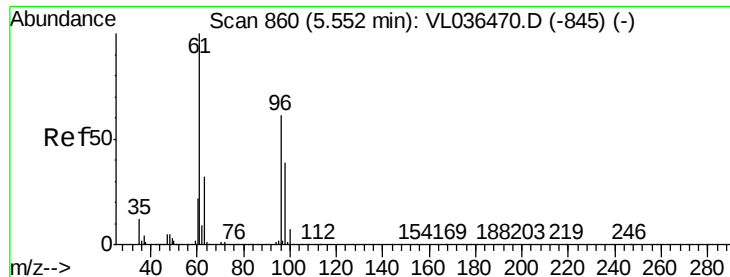
85 58.4 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



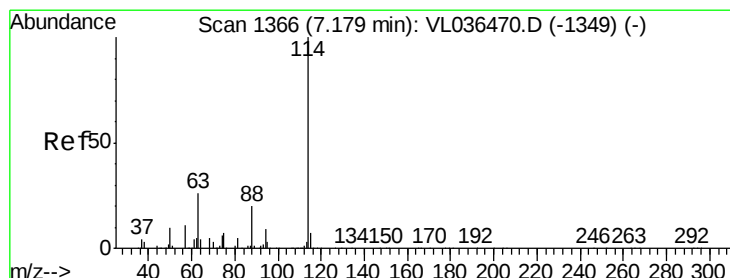
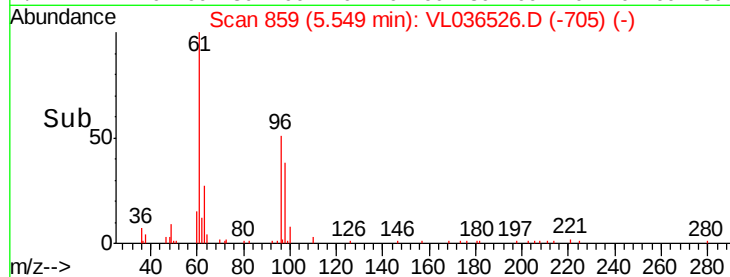
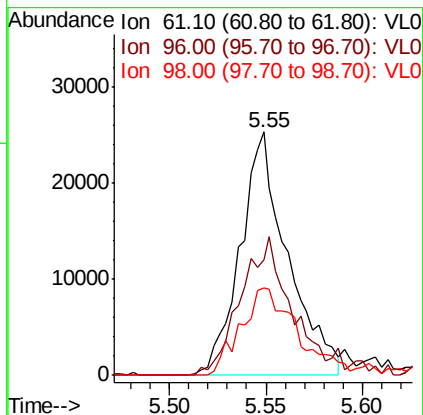
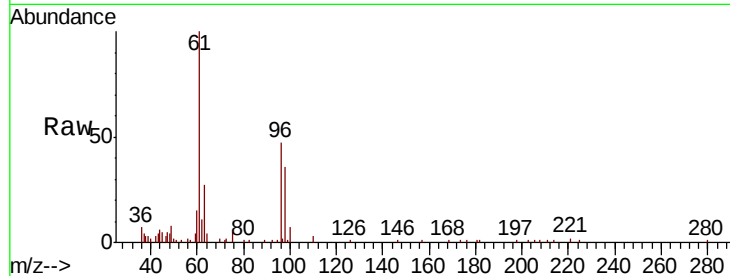


#31

cis-1,2-Dichloroethene  
 Concen: 0.289 ppbv  
 RT: 5.55 min Scan# 859  
 Delta R.T. -0.00 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Instrument :  
 MSVOA\_L  
 ClientSampleId :

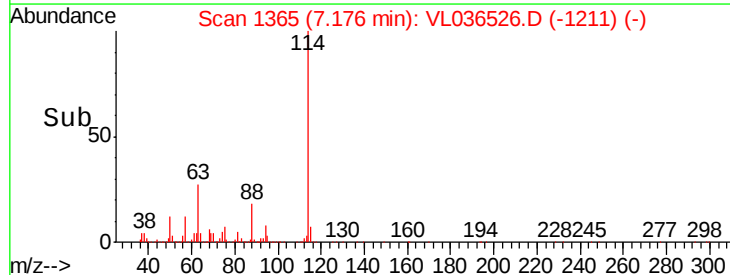
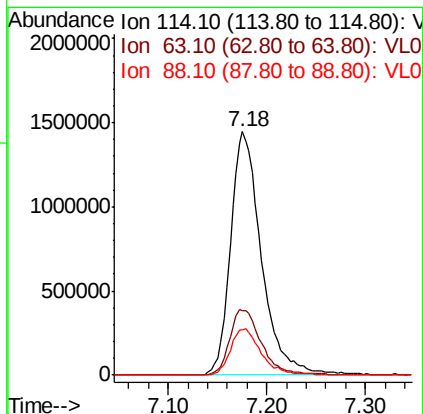
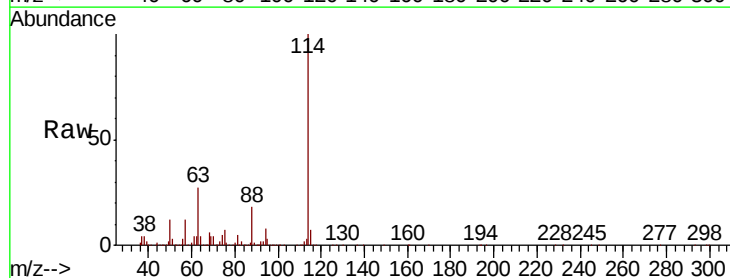
| Tot Ion | 61.10 | Resp  | 43169 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 61      | 100   |       |       |
| 96      | 47.5  | 48.7  | 73.1# |
| 98      | 35.7  | 31.4  | 47.0  |

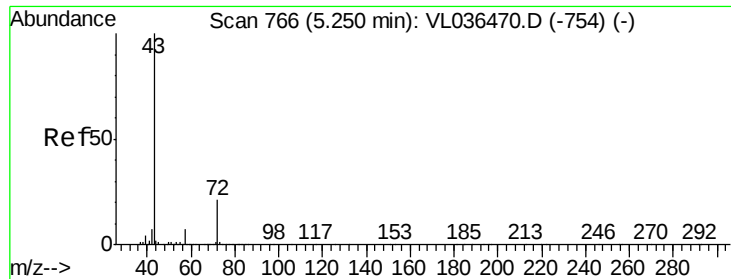


#33

1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

| Tgt Ion | 114   | Resp  | 3141620 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 114     | 100   |       |         |
| 63      | 27.9  | 22.4  | 33.6    |
| 88      | 19.2  | 15.4  | 23.0    |

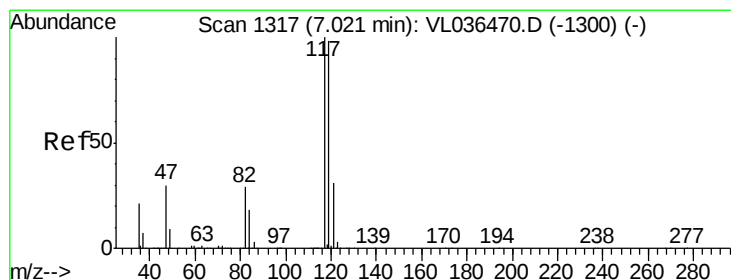
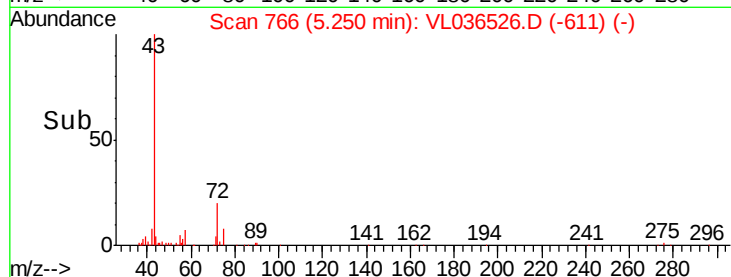
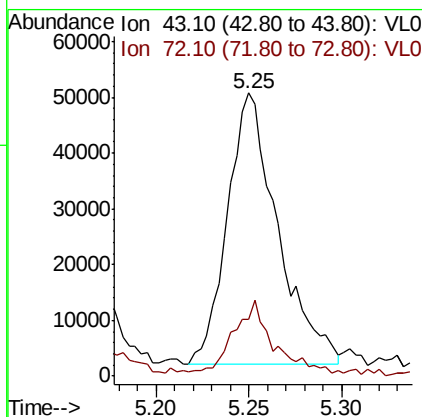
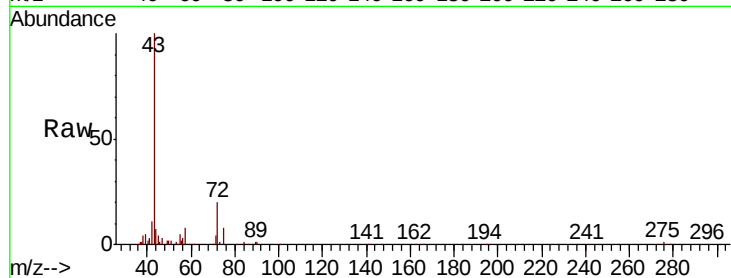




#34  
2-Butanone  
Concen: 0.601 ppbv  
RT: 5.25 min Scan# 766  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

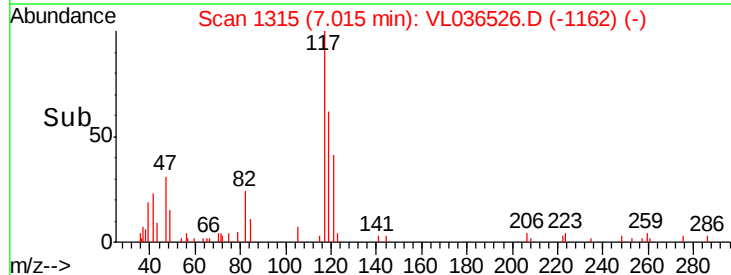
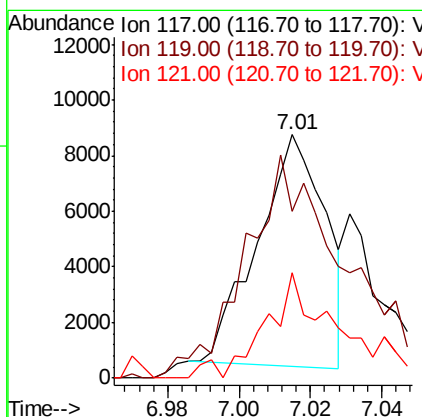
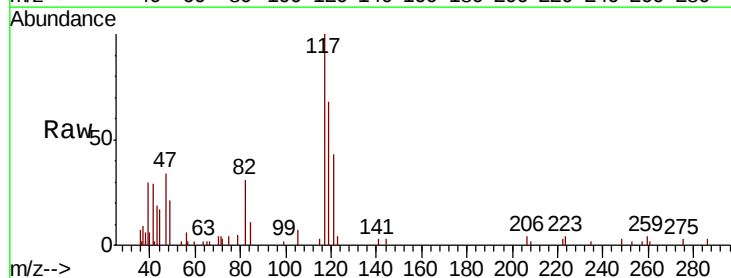
Instrument :  
MSVOA\_L  
ClientSampled :

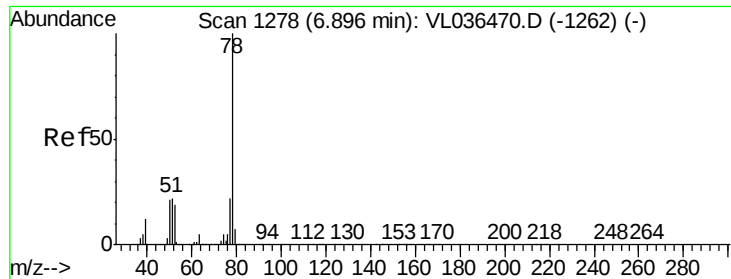
Tot Ion: 43 Resp: 92196  
Ion Ratio Lower Upper  
43 100  
72 25.9 17.0 25.6#



#35  
Carbon Tetrachloride  
Concen: 0.045 ppbv  
RT: 7.01 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

Tgt Ion: 117 Resp: 10897  
Ion Ratio Lower Upper  
117 100  
119 64.7 78.2 117.2#  
121 46.7 24.5 36.7#





#36

Benzene

Concen: 0.104 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Instrument :

MSVOA\_L

ClientSampleId :

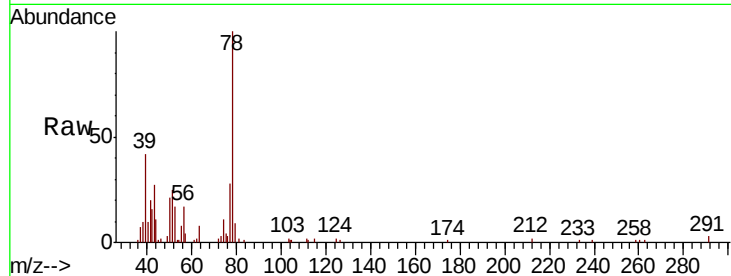
Tot Ion: 78 Resp: 30111

Ion Ratio Lower Upper

78 100

77 28.0 18.0 27.0#

50 18.1 16.5 24.7

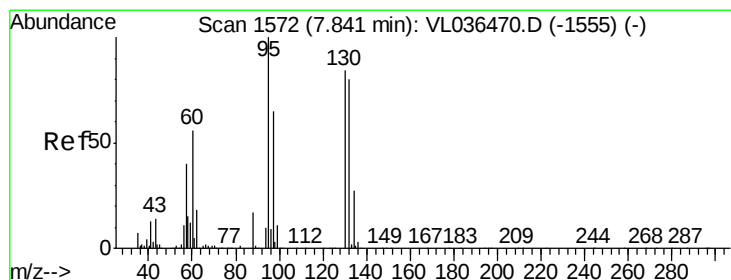
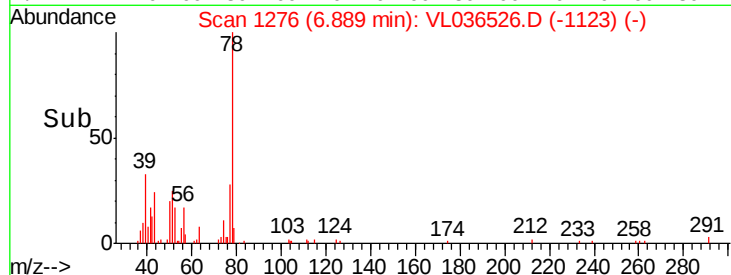
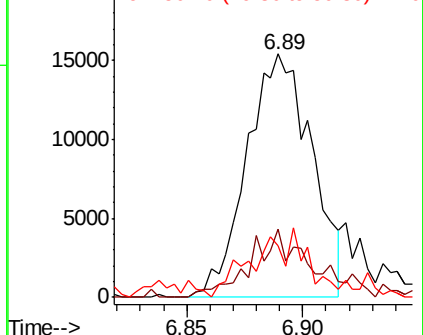


Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 3.223 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL036526.D

Acq: 26 Mar 2021 23:11

Tgt Ion: 130 Resp: 363385

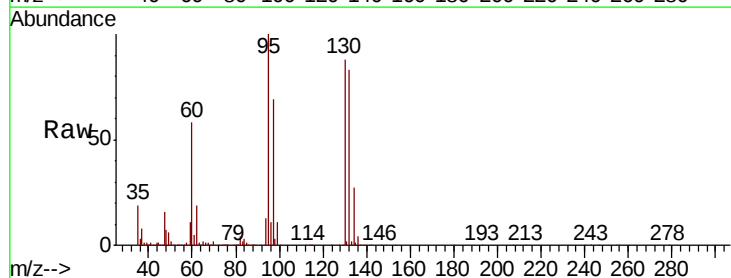
Ion Ratio Lower Upper

130 100

95 113.0 95.7 143.5

132 94.6 76.2 114.4

97 78.5 61.8 92.6



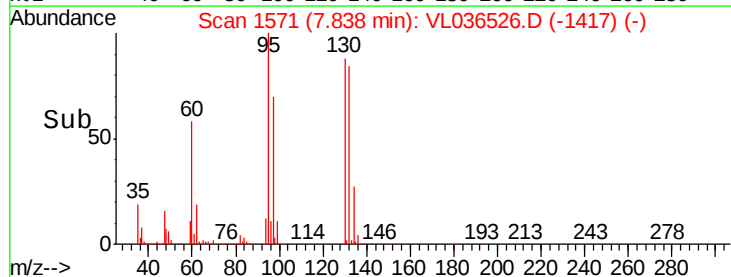
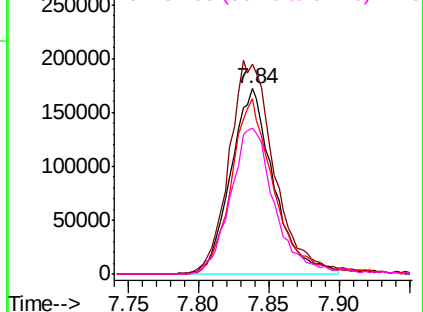
Abundance

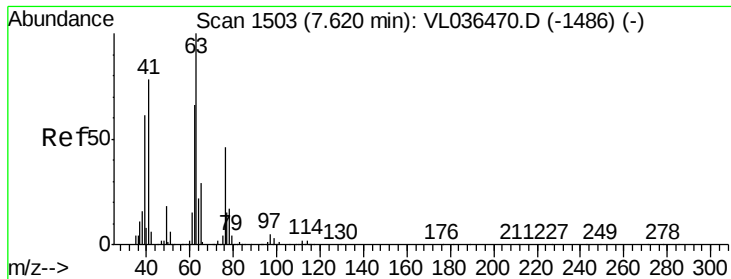
Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

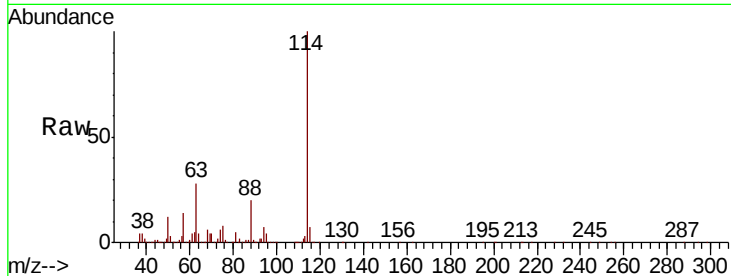




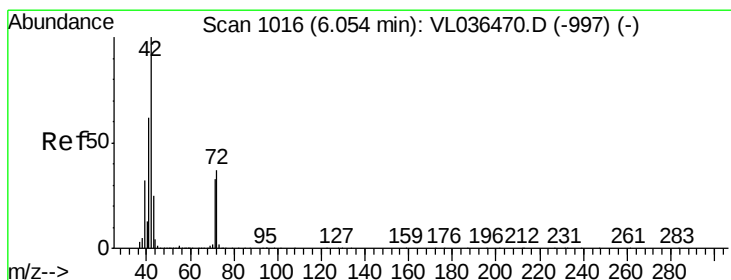
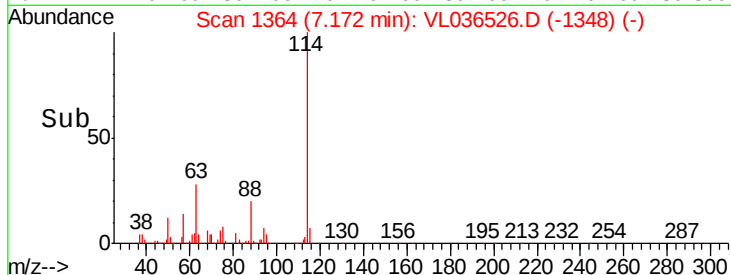
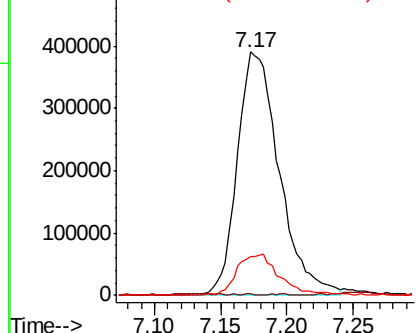
#39  
 1,2-Dichloropropane  
 Concen: 7.312 ppbv  
 RT: 7.17 min Scan# 1364  
 Delta R.T. -0.45 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Instrument :  
 MSVOA\_L  
 ClientSampled :

Tot Ion: 63 Resp: 859389  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 62.4 93.6#  
 62 16.0 52.8 79.2#

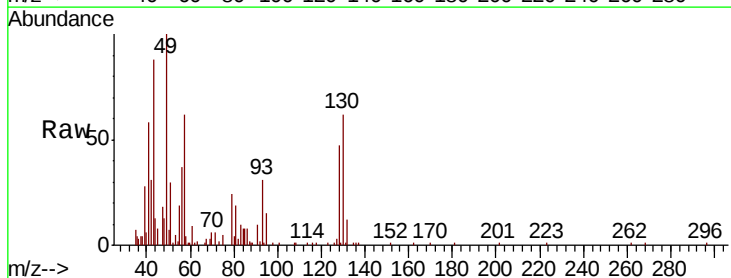


Abundance Ion 63.10 (62.80 to 63.80): VL0  
 Ion 41.10 (40.80 to 41.80): VL0  
 Ion 62.10 (61.80 to 62.80): VL0

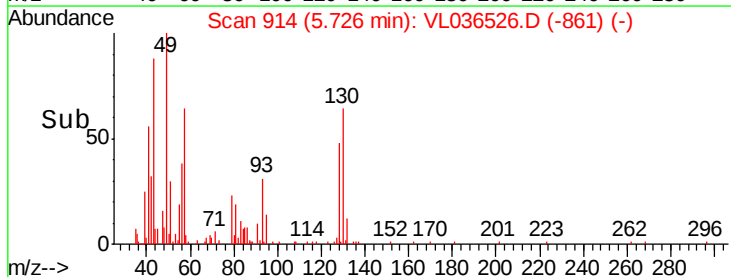
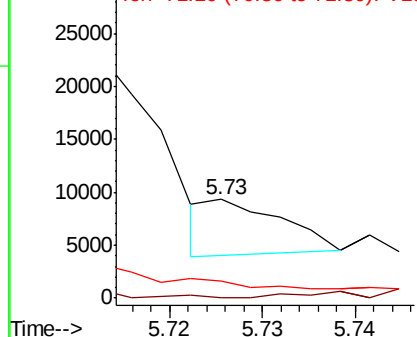


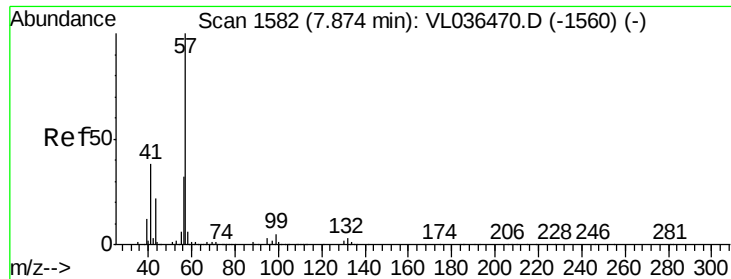
#41  
 Tetrahydrofuran  
 Concen: 0.041 ppbv  
 RT: 5.73 min Scan# 914  
 Delta R.T. -0.33 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Tgt Ion: 42 Resp: 2921  
 Ion Ratio Lower Upper  
 42 100  
 72 32.1 27.6 41.4  
 71 0.0 27.0 40.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0  
 Ion 72.10 (71.80 to 72.80): VL0  
 Ion 71.10 (70.80 to 71.80): VL0

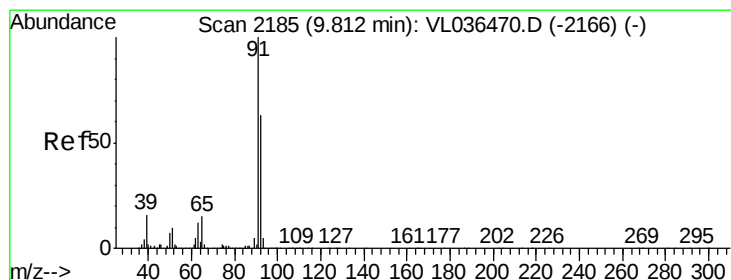
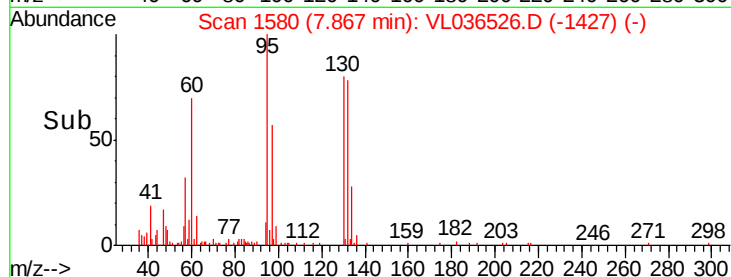
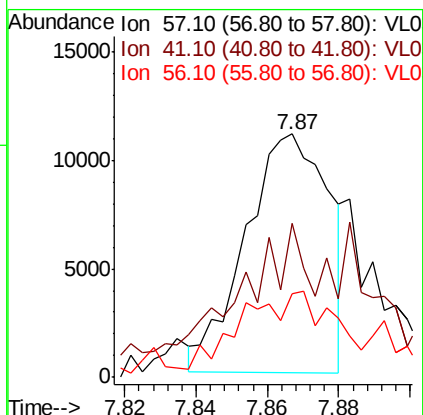
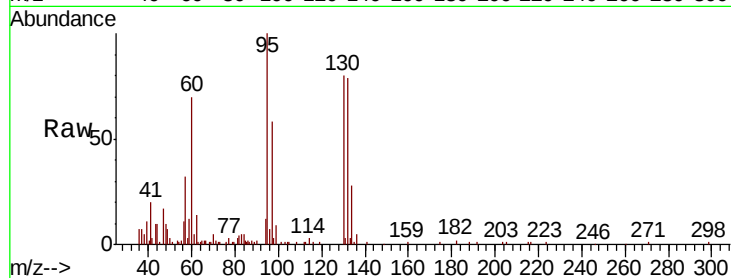




#44  
 2,2,4-Trimethylpentane  
 Concen: 0.035 ppbv  
 RT: 7.87 min Scan# 1580  
 Delta R.T. -0.01 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

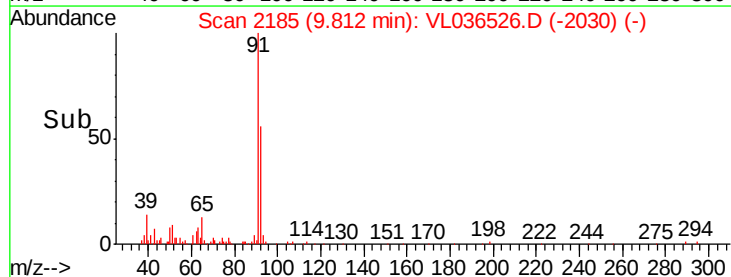
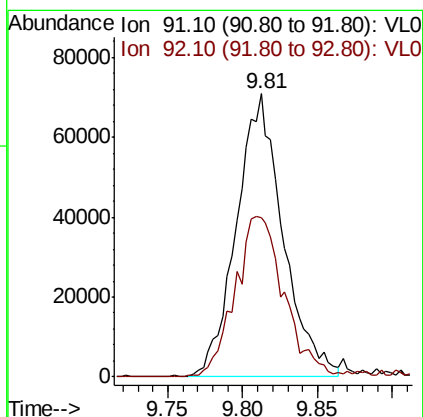
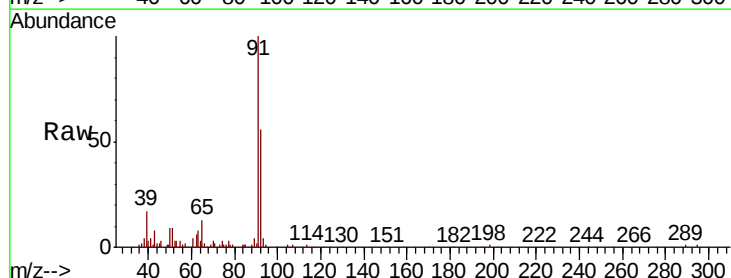
Instrument :  
 MSVOA\_L  
 ClientSampled :

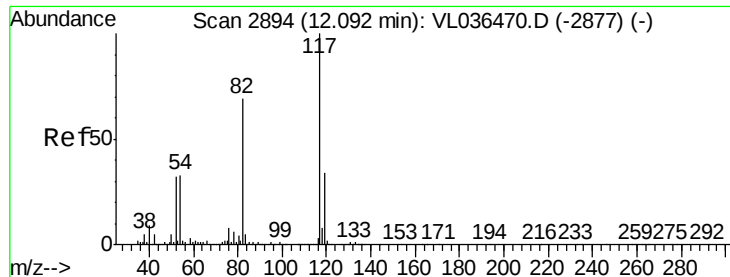
Tot Ion: 57 Resp: 17730  
 Ion Ratio Lower Upper  
 57 100  
 41 0.0 28.8 43.2#  
 56 60.2 26.1 39.1#



#53  
 Toluene  
 Concen: 0.498 ppbv  
 RT: 9.81 min Scan# 2185  
 Delta R.T. -0.00 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Tgt Ion: 91 Resp: 153547  
 Ion Ratio Lower Upper  
 91 100  
 92 60.7 48.8 73.2

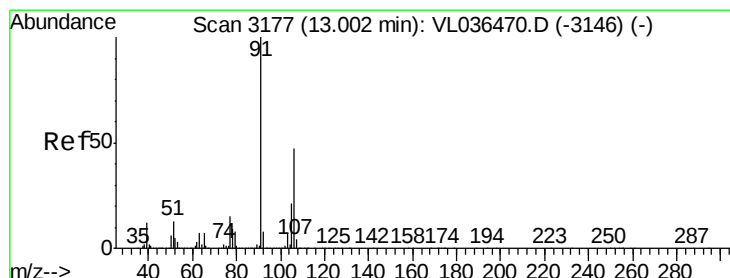
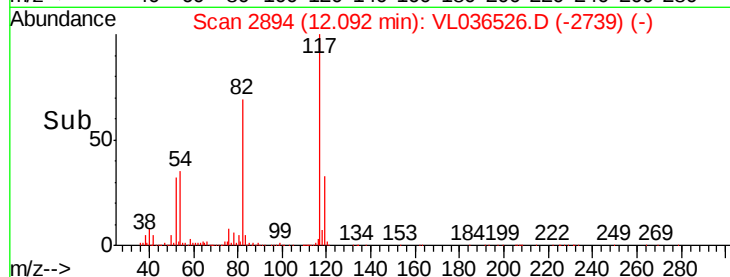
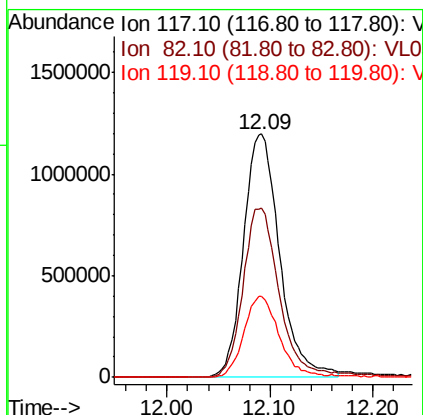
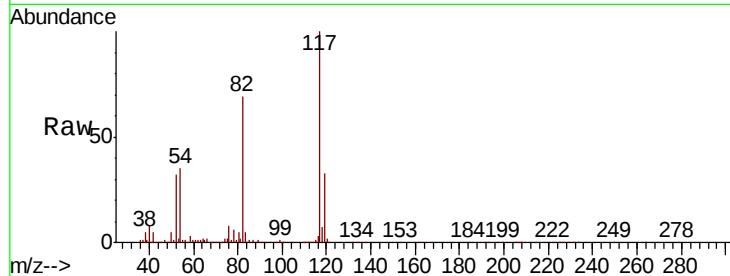




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min Scan# 2894  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

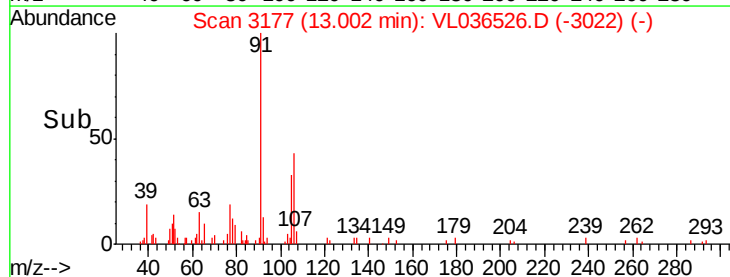
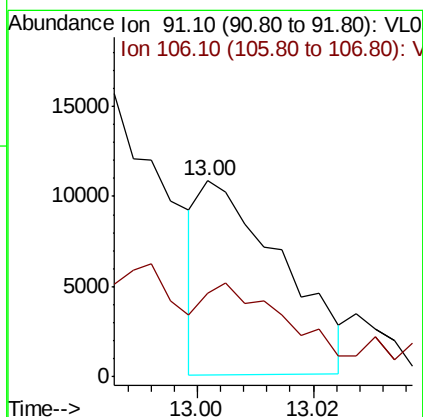
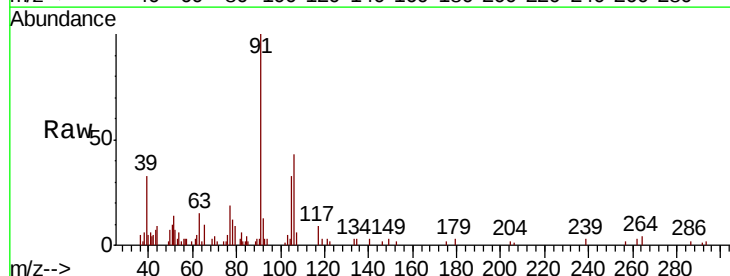
Instrument :  
MSVOA\_L  
ClientSampleId :

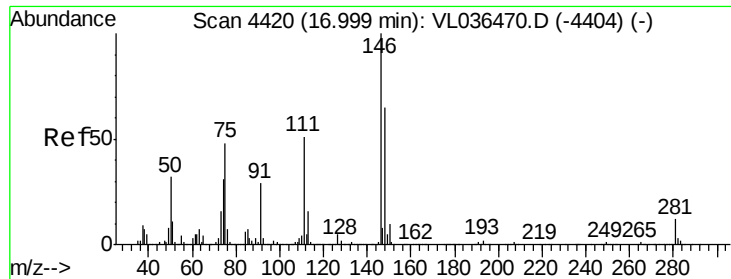
Tot Ion:117 Resp: 2921205  
Ion Ratio Lower Upper  
117 100  
82 71.8 57.4 86.0  
119 33.2 47.4 71.0#



#59  
m/p-Xylene  
Concen: 0.028 ppbv  
RT: 13.00 min Scan# 3177  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

Tgt Ion: 91 Resp: 10509  
Ion Ratio Lower Upper  
91 100  
106 0.0 35.3 52.9#

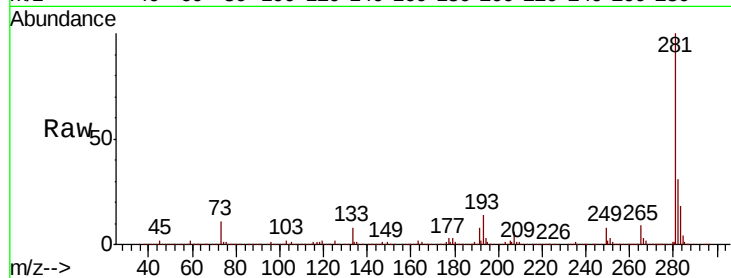




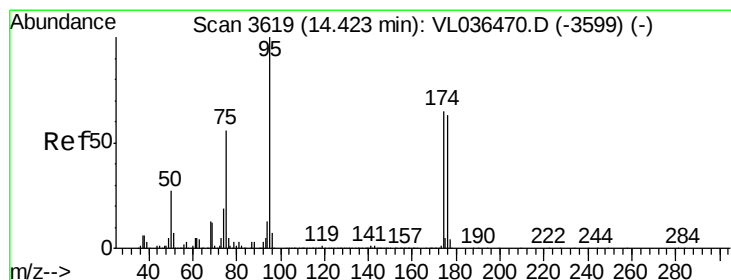
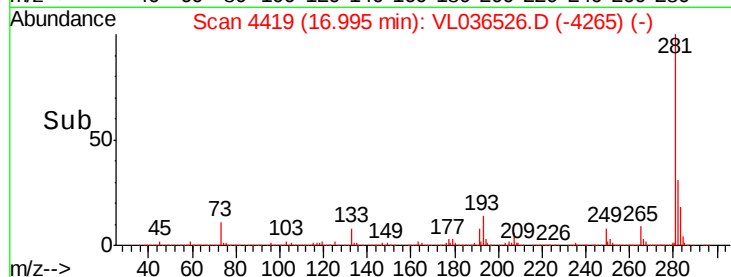
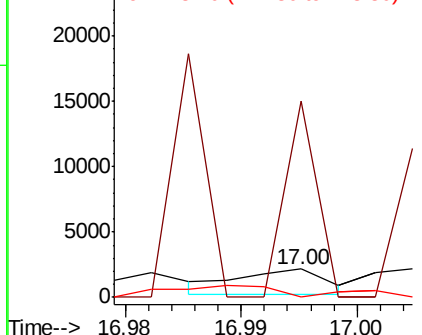
#66  
Benzyl Chloride  
Concen: 0.023 ppbv  
RT: 17.00 min Scan# 4419  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 91 Resp: 1050  
Ion Ratio Lower Upper  
91 100  
126 1226.3 13.5 20.3#  
128 100.5 4.2 6.4#

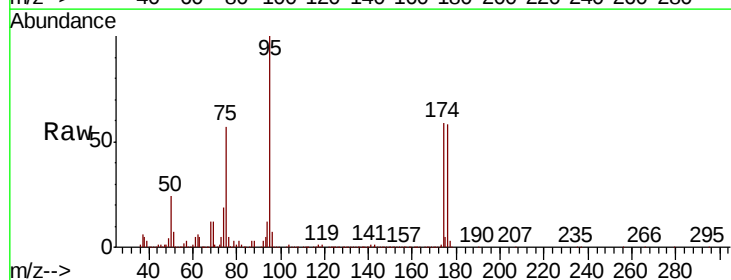


Abundance Ion 91.10 (90.80 to 91.80): VL0  
Ion 126.10 (125.80 to 126.80): V  
Ion 128.10 (127.80 to 128.80): V

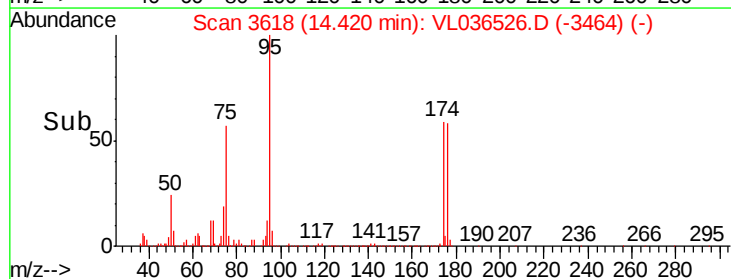
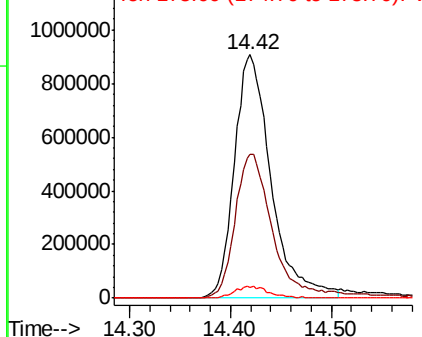


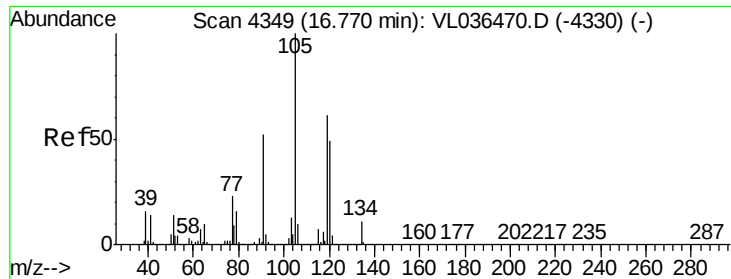
#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.852 ppbv  
RT: 14.42 min Scan# 3618  
Delta R.T. -0.00 min  
Lab File: VL036526.D  
Acq: 26 Mar 2021 23:11

Tgt Ion: 95 Resp: 2293777  
Ion Ratio Lower Upper  
95 100  
174 61.2 51.0 76.6  
175 4.9 3.9 5.9



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

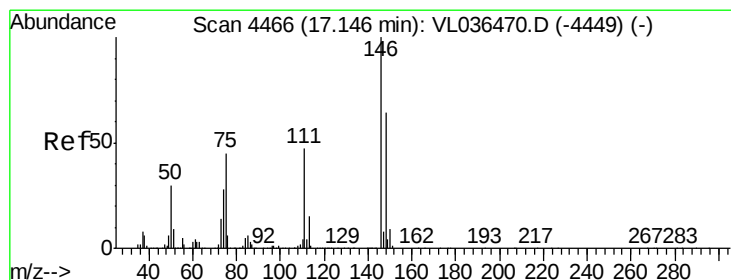
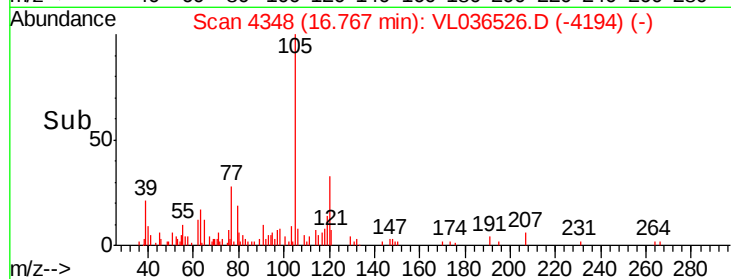
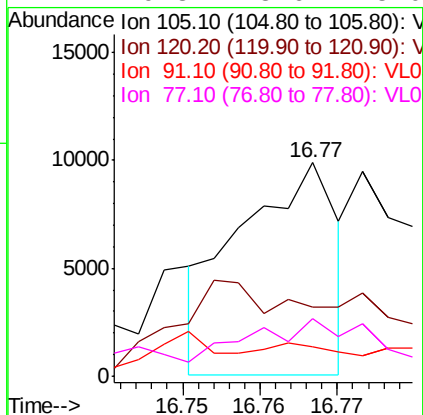
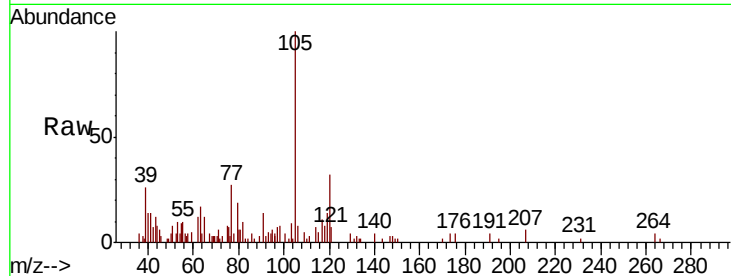




#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.022 ppbv  
 RT: 16.77 min Scan# 4348  
 Delta R.T. -0.00 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

Instrument :  
 MSVOA\_L  
 ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 105   | Resp: | 8646  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 15.9  | 39.2  | 58.8# |
| 91       | 4.6   | 42.6  | 64.0# |
| 77       | 49.3  | 18.6  | 28.0# |



#76  
 1,4-Dichlorobenzene  
 Concen: 0.132 ppbv  
 RT: 17.14 min Scan# 4464  
 Delta R.T. -0.01 min  
 Lab File: VL036526.D  
 Acq: 26 Mar 2021 23:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 28841 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 80.6  | 24.3  | 72.8# |
| 148      | 0.0   | 33.0  | 98.9# |

