

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\  
 Data File : VL034891.D  
 Acq On : 16 Mar 2020 15:26  
 Operator : SY/AP  
 Sample : L1924-02  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Mar 17 04:26:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 09 16:42:53 2020  
 QLast Update : Mon Mar 09 16:42:53 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 920158   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 1997706  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 1945932  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1595410  | 10.51    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.10% |

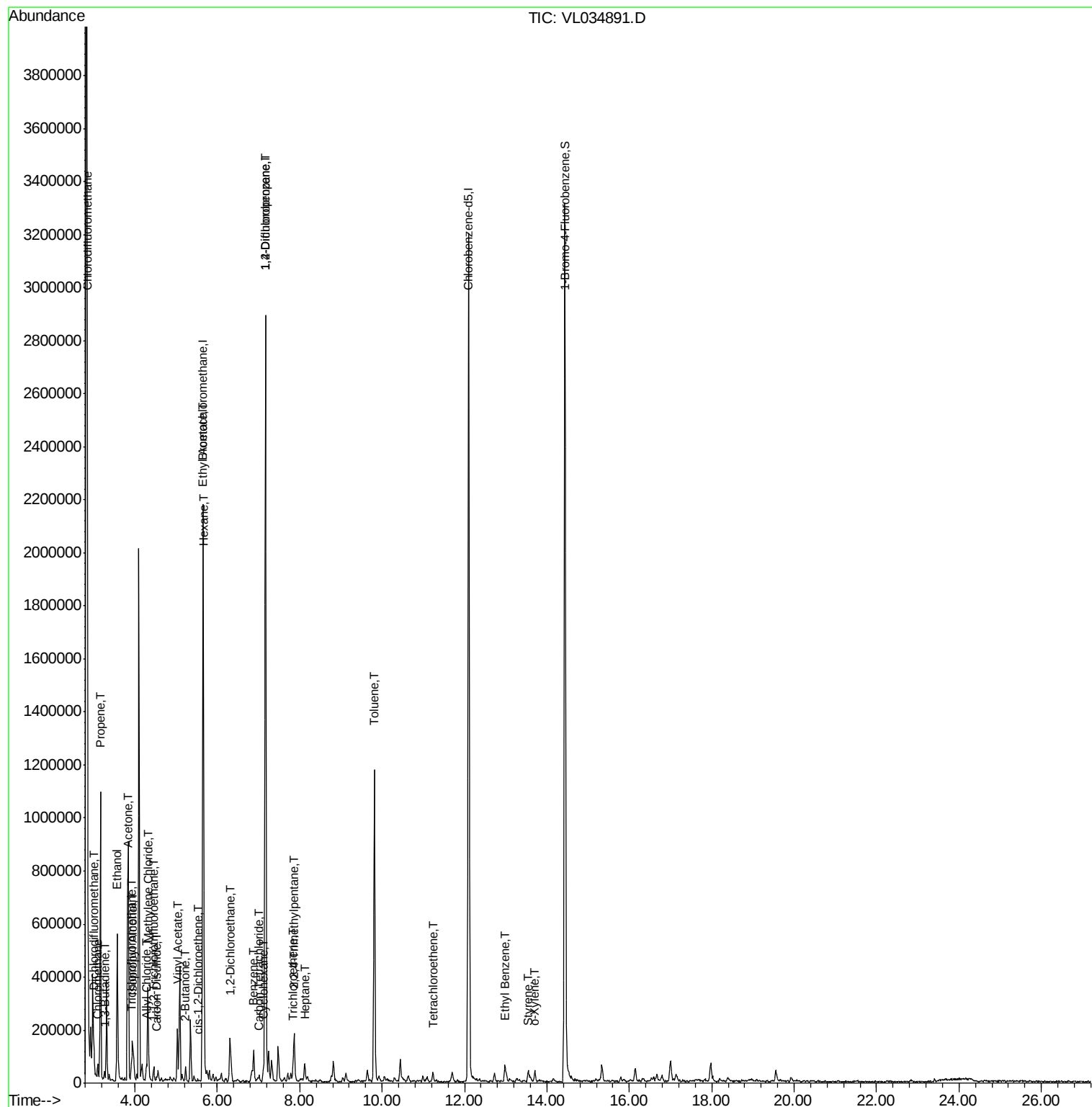
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.01  | 85   | 87842    | 0.697  | ppbv   | 93     |
| 3) Chlorodifluoromethane       | 2.85  | 51   | 30808    | 0.300  | ppbv   | 97     |
| 4) Chloromethane               | 3.10  | 50   | 29976    | 0.516  | ppbv # | 85     |
| 9) Propene                     | 3.16  | 41   | 284486   | 5.797  | ppbv   | 94     |
| 10) Heptane                    | 8.11  | 43   | 9811     | 0.081  | ppbv # | 28     |
| 11) Trichlorofluoromethane     | 3.92  | 101  | 36573    | 0.273  | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.46  | 101  | 17826    | 0.190  | ppbv   | 92     |
| 13) Ethanol                    | 3.57  | 45   | 550662   | 36.908 | ppbv   | 94     |
| 15) Acetone                    | 3.82  | 43   | 854877   | 7.168  | ppbv # | 89     |
| 16) 1,3-Butadiene              | 3.27  | 39   | 8118     | 0.151  | ppbv # | 47     |
| 19) Isopropyl Alcohol          | 3.94  | 45   | 175288   | 2.327  | ppbv # | 45     |
| 20) Methylene Chloride         | 4.31  | 84   | 110751   | 2.937  | ppbv   | 91     |
| 21) Allyl Chloride             | 4.27  | 41   | 10568    | 0.138  | ppbv   | 87     |
| 23) Vinyl Acetate              | 5.03  | 43   | 71595    | 0.406  | ppbv # | 1      |
| 25) Ethyl Acetate              | 5.66  | 43   | 235042   | 1.106  | ppbv # | 94     |
| 26) Hexane                     | 5.67  | 57   | 178610   | 1.952  | ppbv # | 62     |
| 27) Carbon Disulfide           | 4.52  | 76   | 3633     | 0.035  | ppbv # | 1      |
| 30) Cyclohexane                | 7.12  | 84   | 8676     | 0.114  | ppbv # | 1      |
| 31) cis-1,2-Dichloroethene     | 5.53  | 61   | 3591     | 0.038  | ppbv # | 53     |
| 34) 2-Butanone                 | 5.22  | 43   | 50412    | 0.380  | ppbv # | 91     |
| 35) Carbon Tetrachloride       | 7.01  | 117  | 5107     | 0.041  | ppbv # | 52     |
| 36) Benzene                    | 6.88  | 78   | 76544    | 0.430  | ppbv   | 97     |
| 37) 1,2-Dichloroethane         | 6.29  | 62   | 5569     | 0.055  | ppbv # | 81     |
| 38) Trichloroethene            | 7.83  | 130  | 3023     | 0.045  | ppbv # | 50     |
| 39) 1,2-Dichloropropane        | 7.17  | 63   | 534914   | 7.582  | ppbv # | 22     |
| 44) 2,2,4-Trimethylpentane     | 7.86  | 57   | 132126   | 0.439  | ppbv # | 83     |
| 52) Tetrachloroethene          | 11.24 | 164  | 4705     | 0.067  | ppbv # | 78     |
| 53) Toluene                    | 9.81  | 91   | 862152   | 4.193  | ppbv   | 100    |
| 58) Ethyl Benzene              | 12.98 | 91   | 46458    | 0.176  | ppbv   | 93     |
| 60) o-Xylene                   | 13.70 | 91   | 26167    | 0.121  | ppbv   | 98     |
| 61) Styrene                    | 13.55 | 104  | 5682     | 0.038  | ppbv # | 1      |

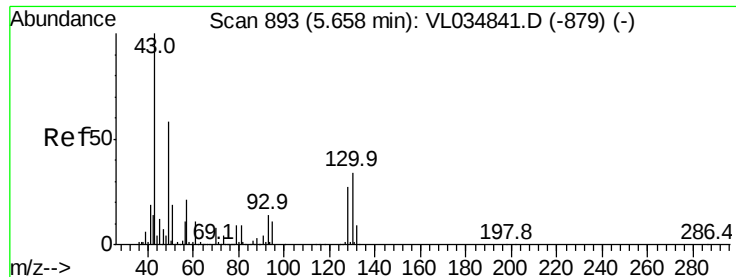
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 09 16:42:53 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

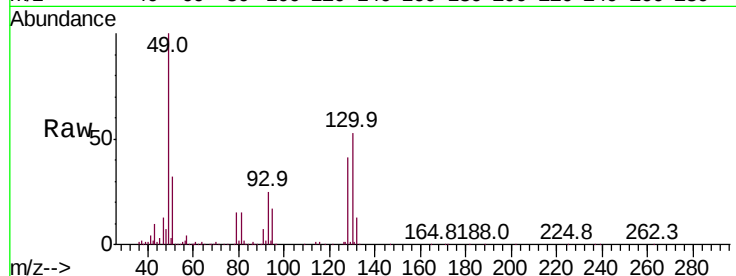
Tot Ion: 49 Resp: 920158

Ion Ratio Lower Upper

49 100

128 44.5 23.4 70.3

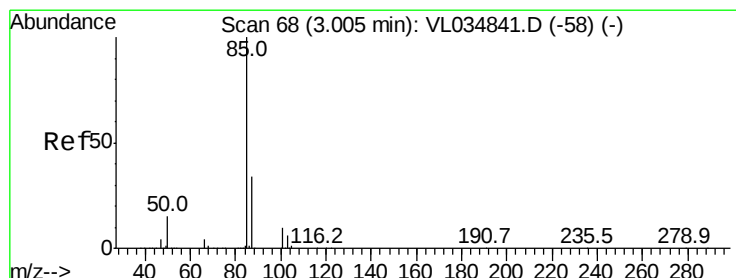
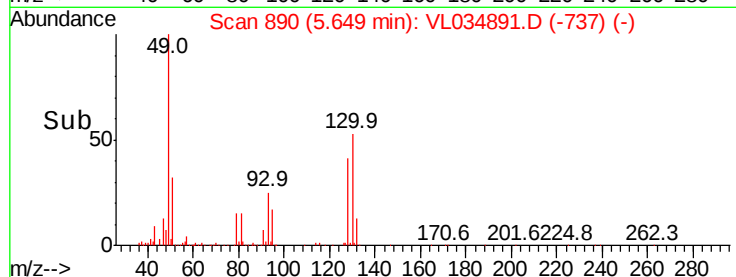
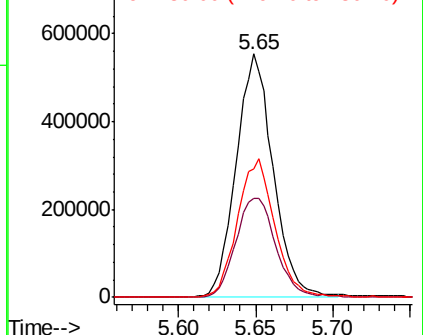
130 58.2 30.0 90.0



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



#2

Dichlorodifluoromethane

Concen: 0.697 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034891.D

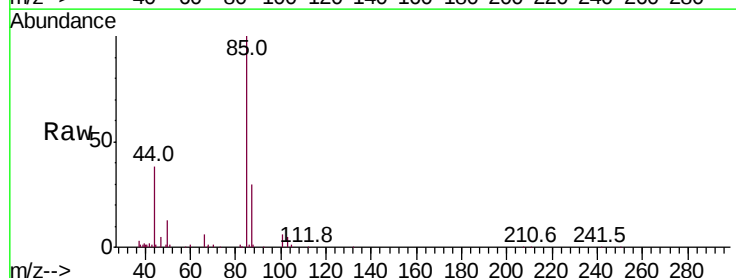
Acq: 16 Mar 2020 15:26

Tgt Ion: 85 Resp: 87842

Ion Ratio Lower Upper

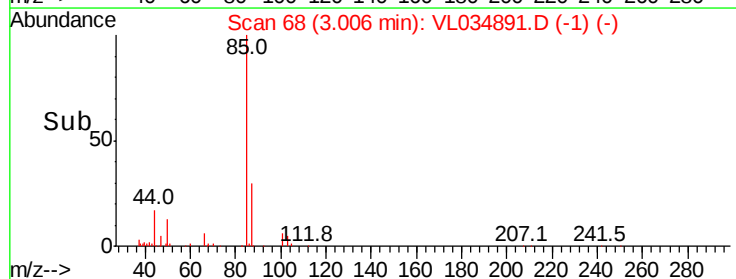
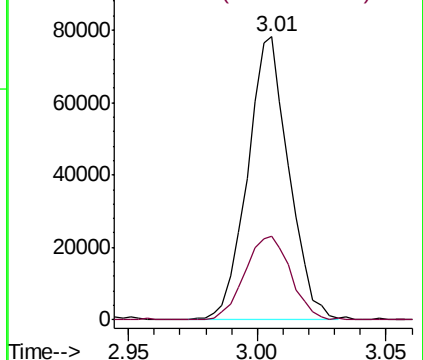
85 100

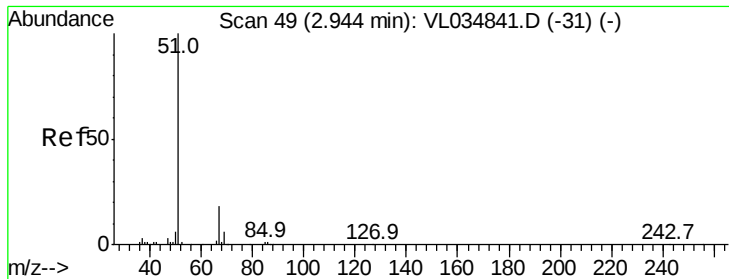
87 29.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.300 ppbv

RT: 2.85 min Scan# 19

Delta R.T. -0.10 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

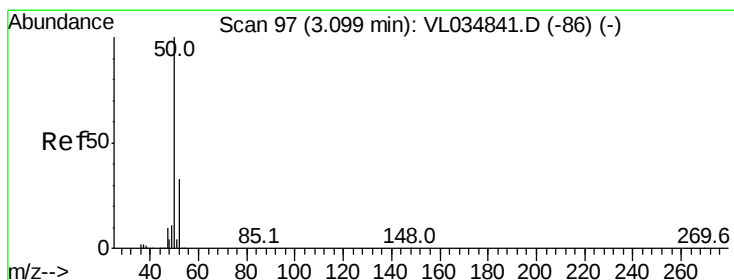
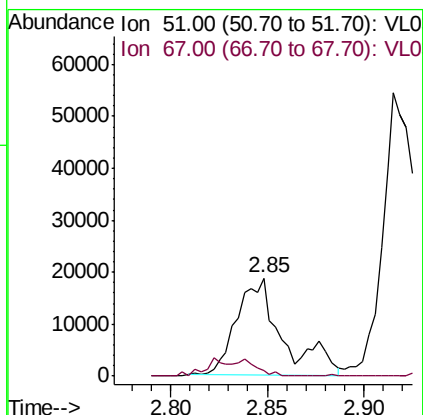
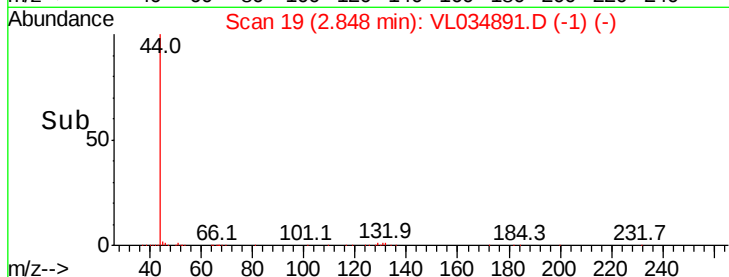
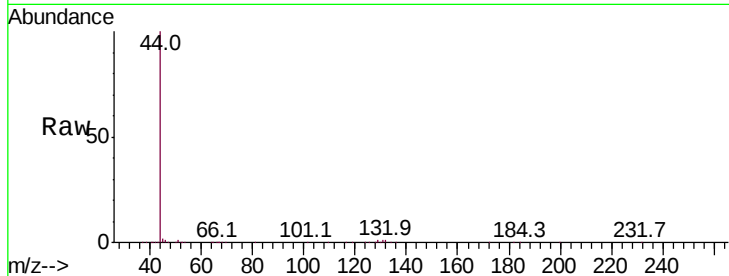
ClientSampleId :

Tot Ion: 51 Resp: 30808

Ion Ratio Lower Upper

51 100

67 16.6 14.3 21.5



#4

Chloromethane

Concen: 0.516 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL034891.D

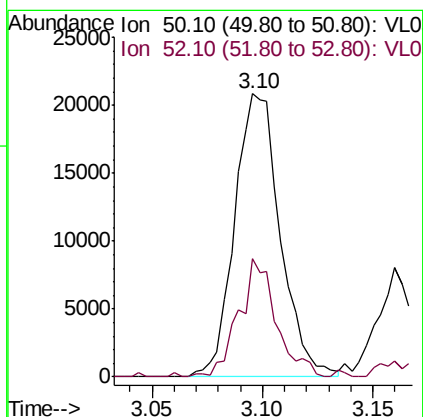
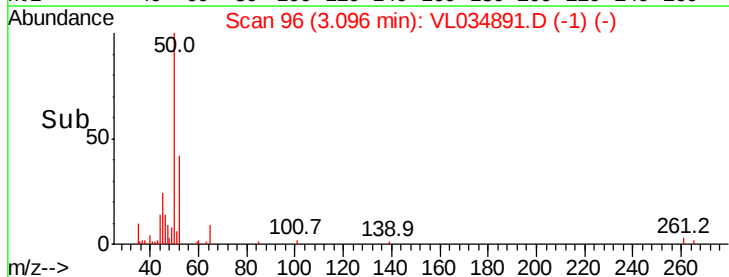
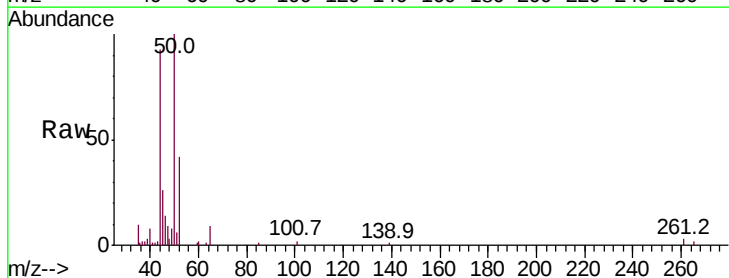
Acq: 16 Mar 2020 15:26

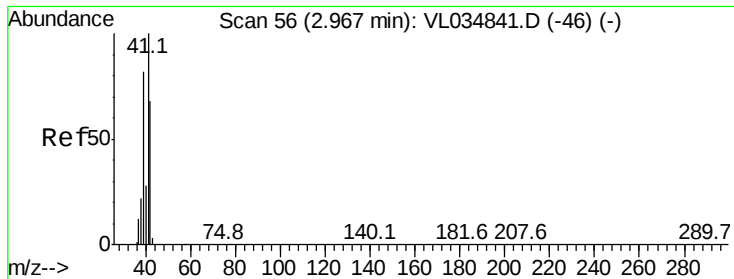
Tgt Ion: 50 Resp: 29976

Ion Ratio Lower Upper

50 100

52 42.0 26.8 40.2#





#9

Propene

Concen: 5.797 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.19 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

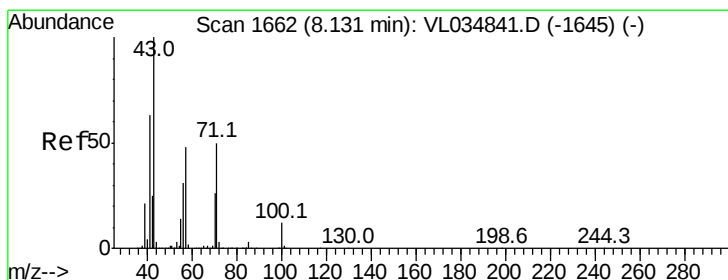
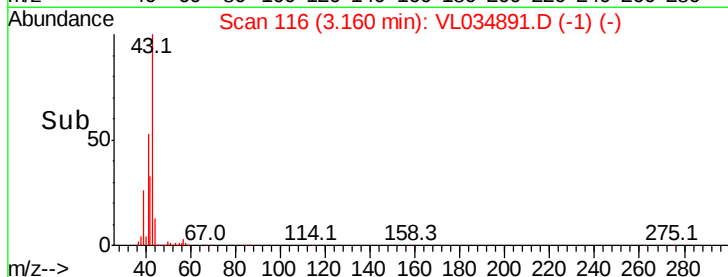
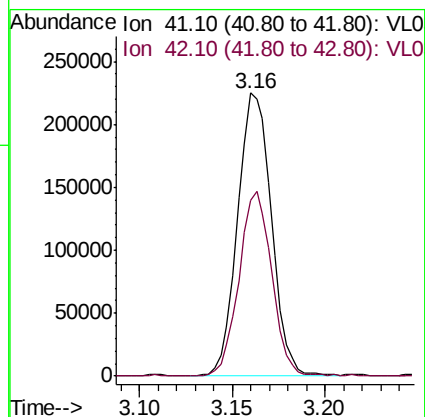
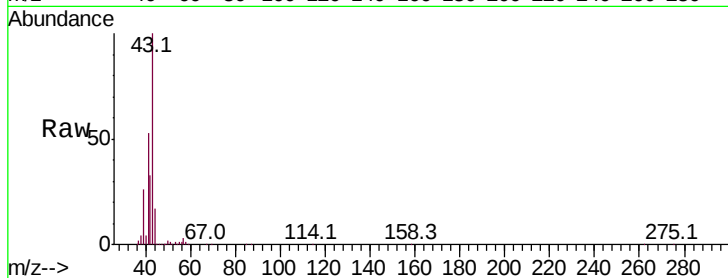
Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 41 Resp: 284486

Ion Ratio Lower Upper

41 100

42 63.8 55.2 82.8



#10

Heptane

Concen: 0.081 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL034891.D

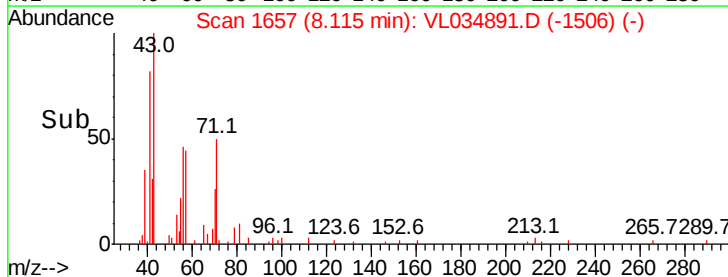
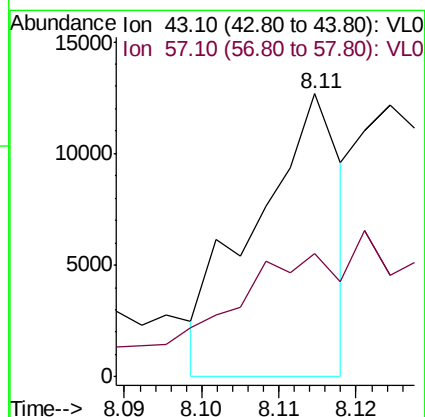
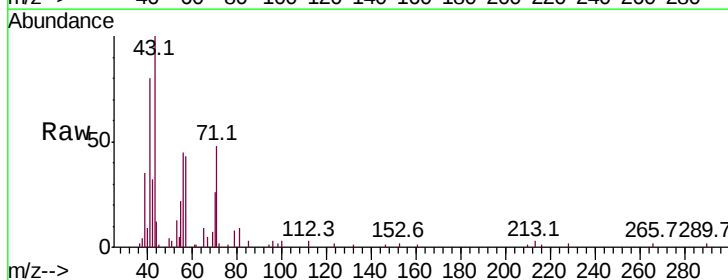
Acq: 16 Mar 2020 15:26

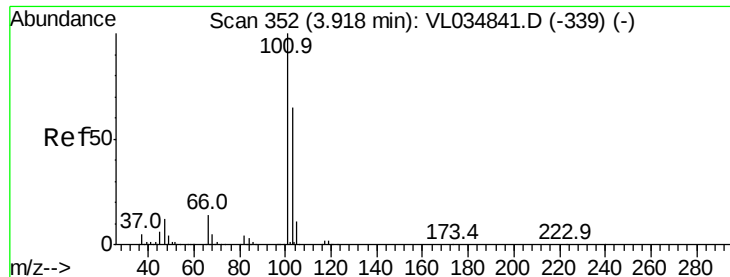
Tgt Ion: 43 Resp: 9811

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#

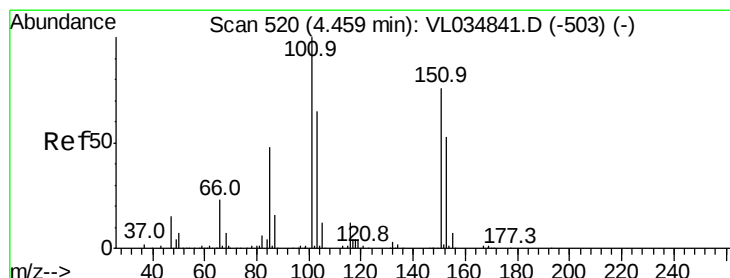
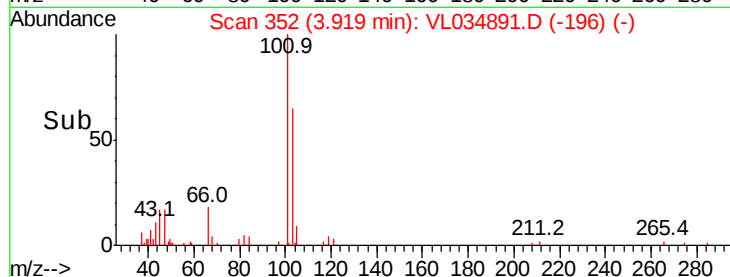
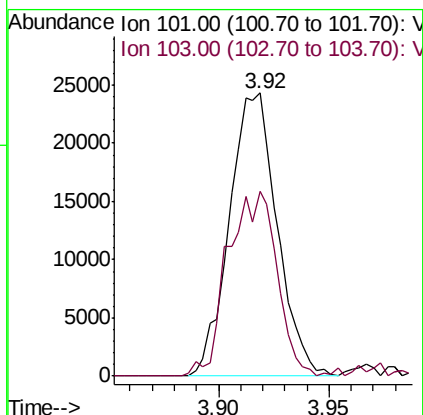
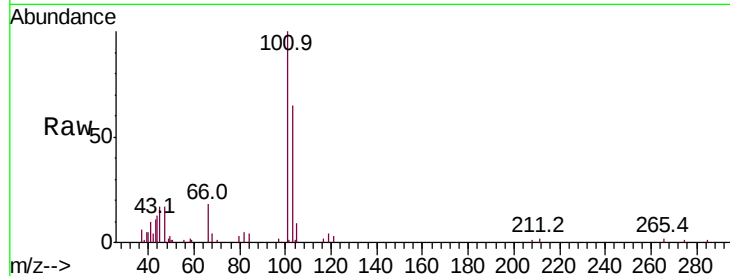




#11  
 Trichlorofluoromethane  
 Concen: 0.273 ppbv  
 RT: 3.92 min Scan# 352  
 Delta R.T. 0.00 min  
 Lab File: VL034891.D  
 Acq: 16 Mar 2020 15:26

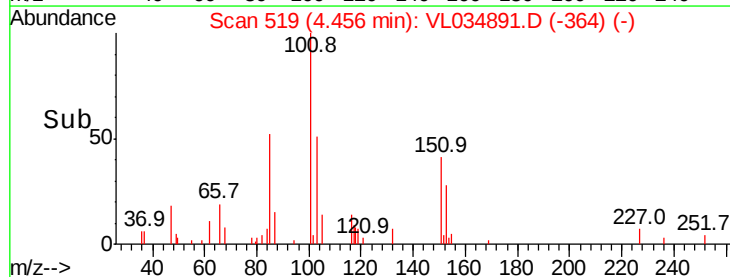
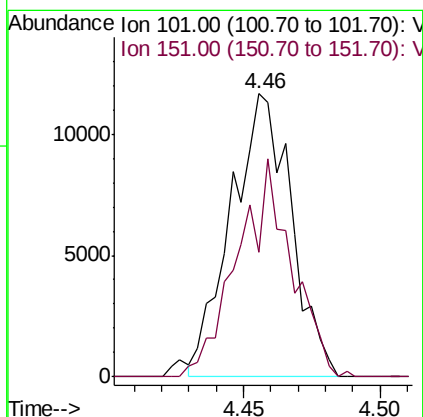
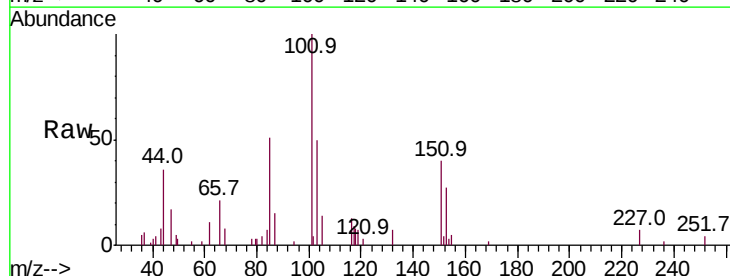
Instrument :  
 MSVOA\_L  
 ClientSampleId :

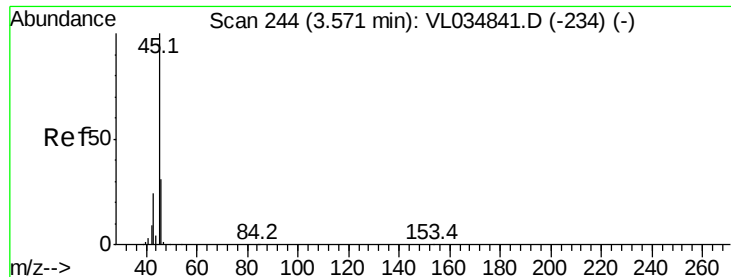
Tot Ion:101 Resp: 36573  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.190 ppbv  
 RT: 4.46 min Scan# 519  
 Delta R.T. -0.00 min  
 Lab File: VL034891.D  
 Acq: 16 Mar 2020 15:26

Tgt Ion:101 Resp: 17826  
 Ion Ratio Lower Upper  
 101 100  
 151 69.1 60.8 91.2





#13

Ethanol

Concen: 36.908 ppbv

RT: 3.57 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

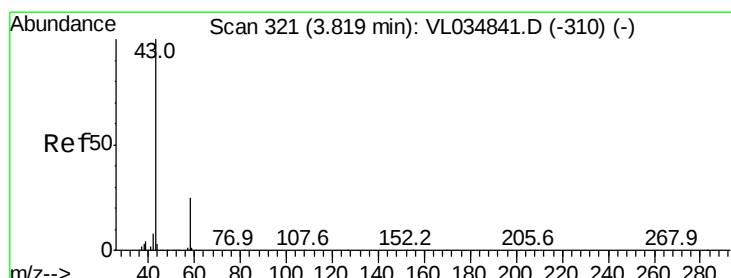
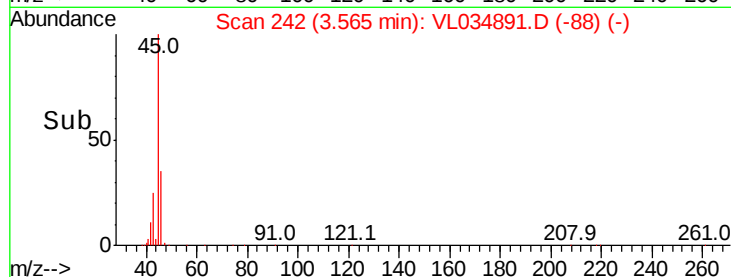
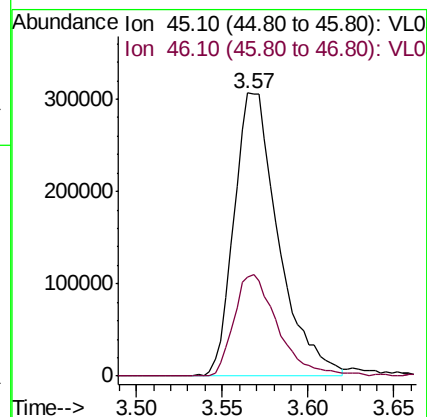
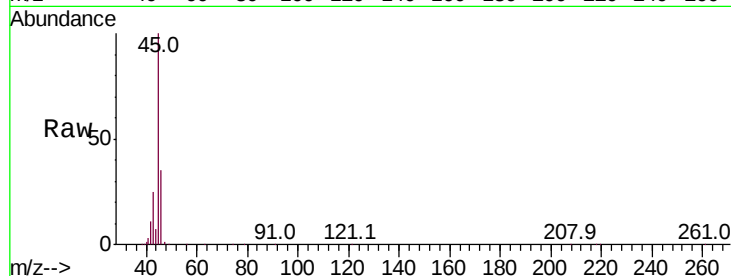
ClientSampleId :

Tot Ion: 45 Resp: 550662

Ion Ratio Lower Upper

45 100

46 36.3 16.0 64.0



#15

Acetone

Concen: 7.168 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034891.D

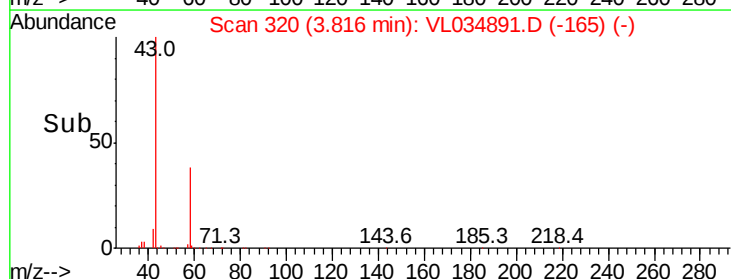
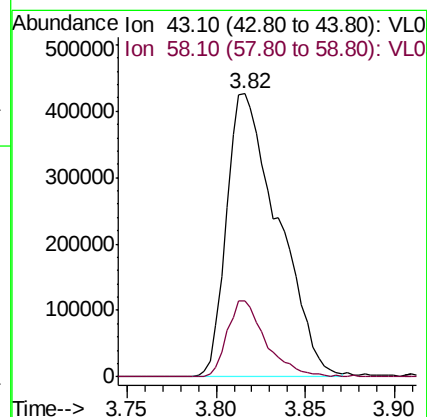
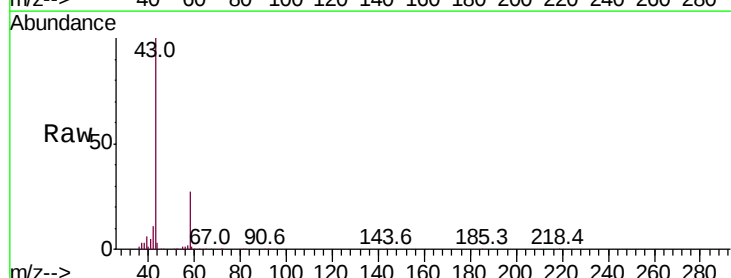
Acq: 16 Mar 2020 15:26

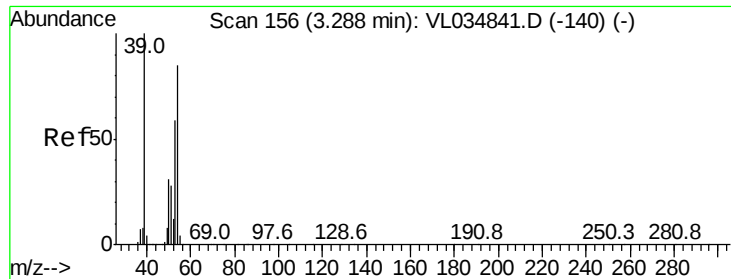
Tgt Ion: 43 Resp: 854877

Ion Ratio Lower Upper

43 100

58 20.6 21.0 31.6#

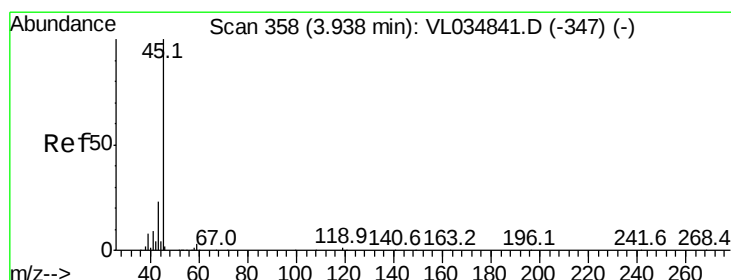
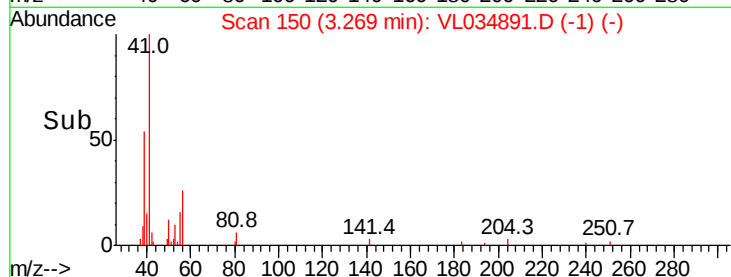
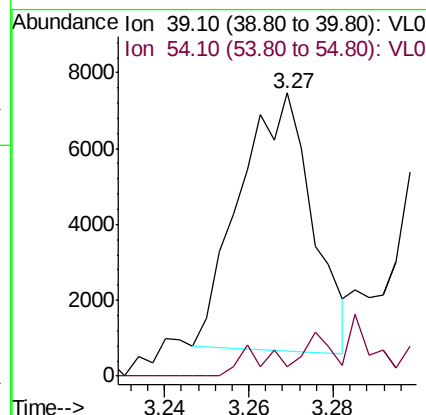
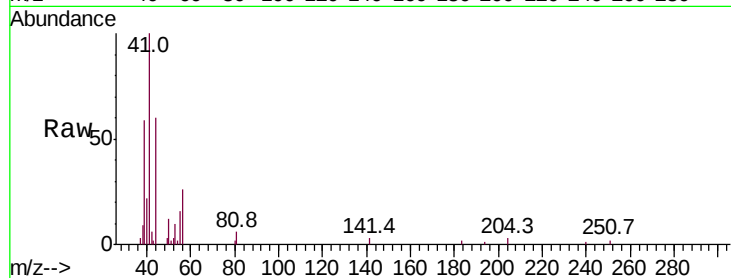




#16  
 1,3-Butadiene  
 Concen: 0.151 ppbv  
 RT: 3.27 min Scan# 150  
 Delta R.T. -0.02 min  
 Lab File: VL034891.D  
 Acq: 16 Mar 2020 15:26

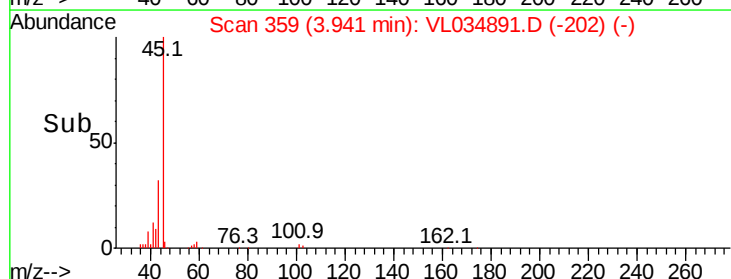
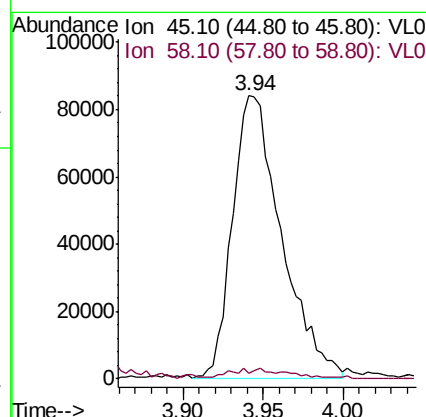
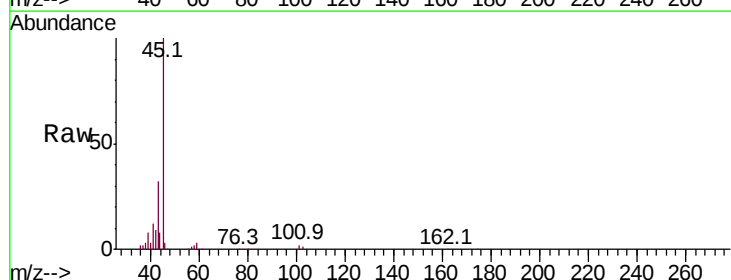
Instrument :  
 MSVOA\_L  
 ClientSampleId :

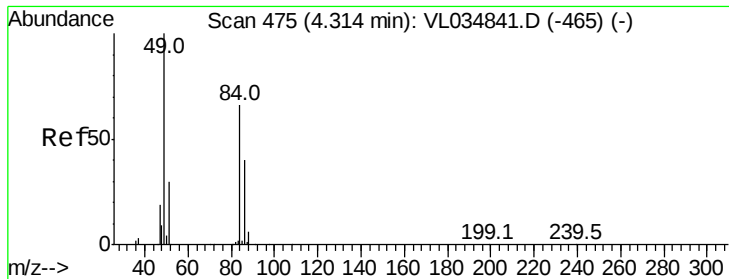
Tot Ion: 39 Resp: 8118  
 Ion Ratio Lower Upper  
 39 100  
 54 34.0 65.0 97.6#



#19  
 Isopropyl Alcohol  
 Concen: 2.327 ppbv  
 RT: 3.94 min Scan# 359  
 Delta R.T. 0.00 min  
 Lab File: VL034891.D  
 Acq: 16 Mar 2020 15:26

Tgt Ion: 45 Resp: 175288  
 Ion Ratio Lower Upper  
 45 100  
 58 5.0 30.5 45.7#

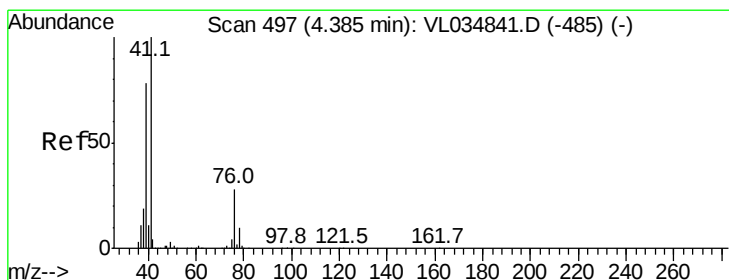
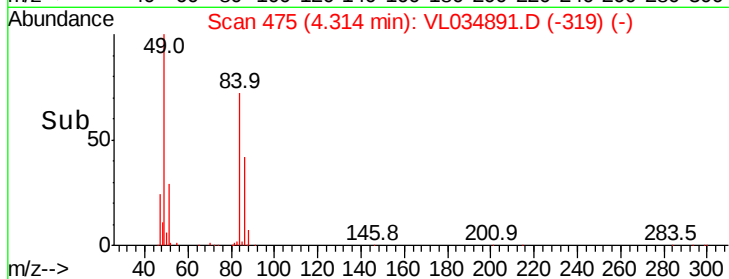
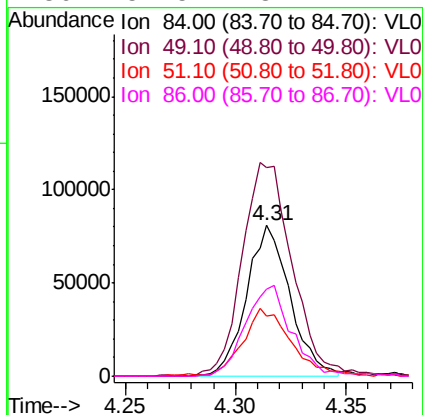
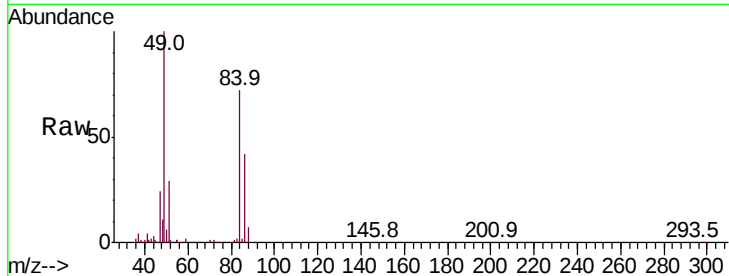




#20  
Methylene Chloride  
Concen: 2.937 ppbv  
RT: 4.31 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VL034891.D  
Acq: 16 Mar 2020 15:26

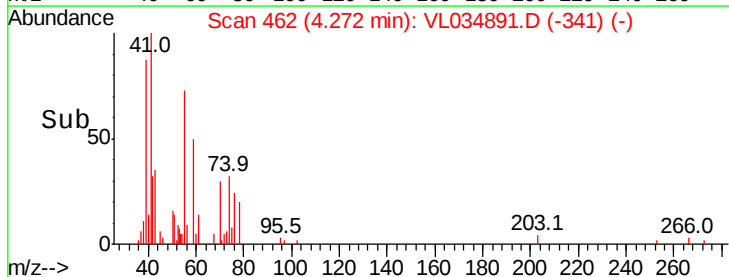
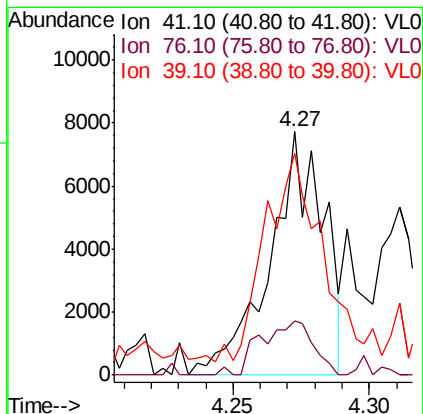
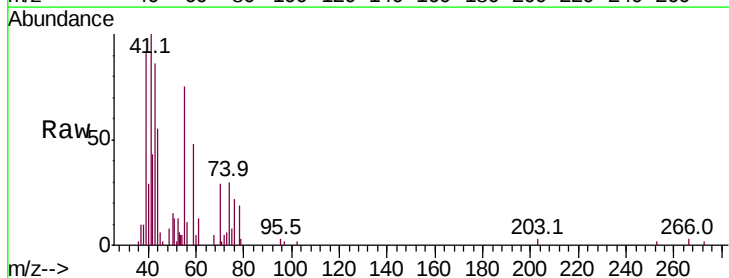
Instrument :  
MSVOA\_L  
ClientSampleId :

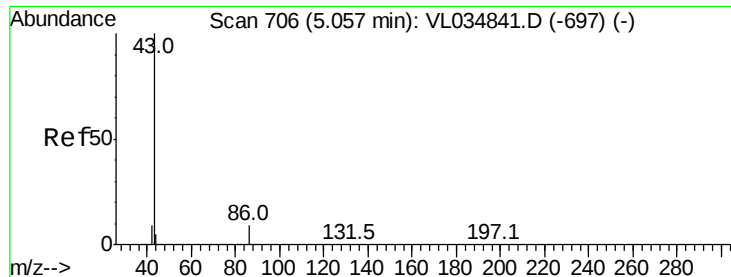
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 110751 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 138.2 | 121.5 | 182.3  |
| 51       | 38.9  | 36.6  | 55.0   |
| 86       | 57.5  | 48.2  | 72.2   |



#21  
Allyl Chloride  
Concen: 0.138 ppbv  
RT: 4.27 min Scan# 462  
Delta R.T. -0.11 min  
Lab File: VL034891.D  
Acq: 16 Mar 2020 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 10568 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 23.2  | 22.2  | 33.2  |
| 39       | 91.1  | 62.6  | 93.8  |





#23

Vinyl Acetate

Concen: 0.406 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion: 43 Resp: 71595

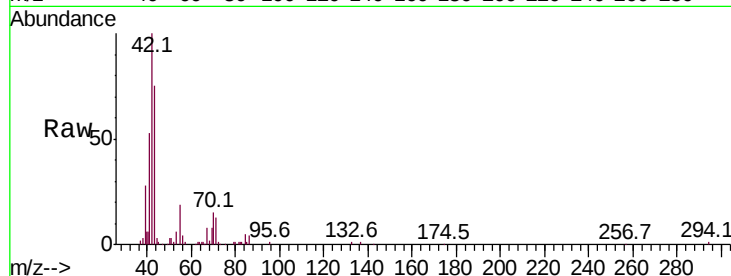
Ion Ratio Lower Upper

43 100

86 5.0 6.3 9.5#

42 133.0 7.8 11.8#

44 0.0 4.0 6.0#

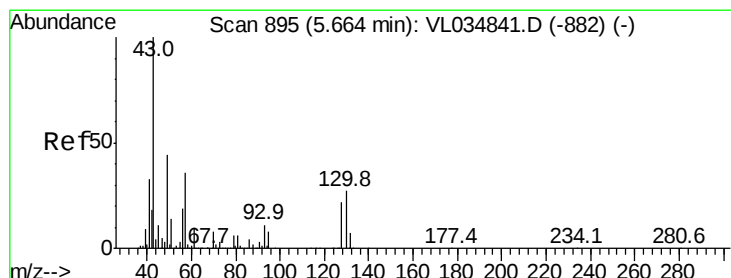
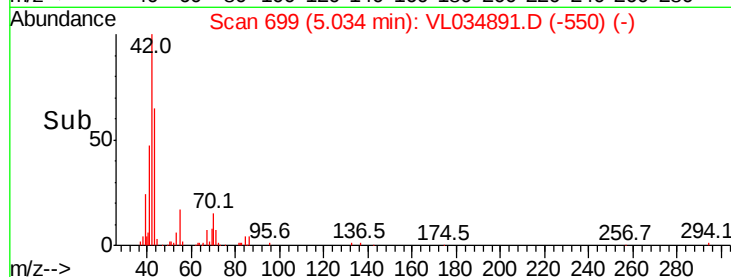
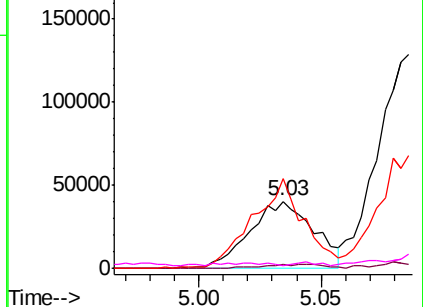


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.106 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Tgt Ion: 43 Resp: 235042

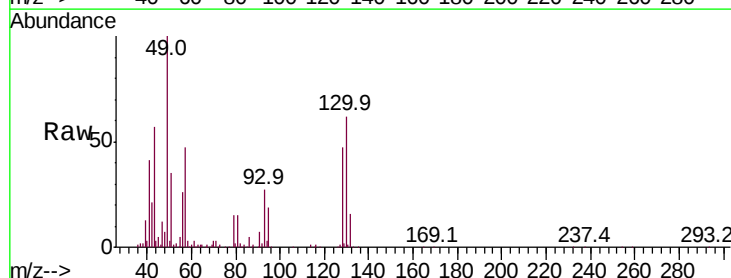
Ion Ratio Lower Upper

43 100

45 12.4 8.2 12.2#

61 6.7 7.8 11.6#

70 5.9 5.8 8.8

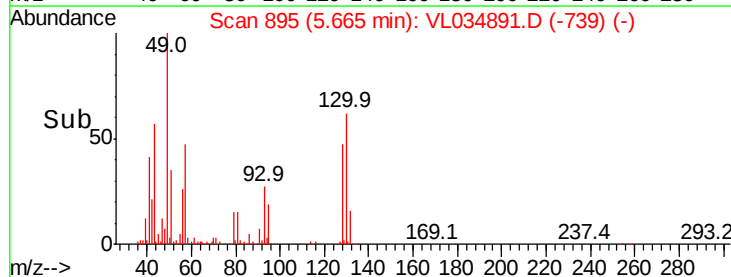
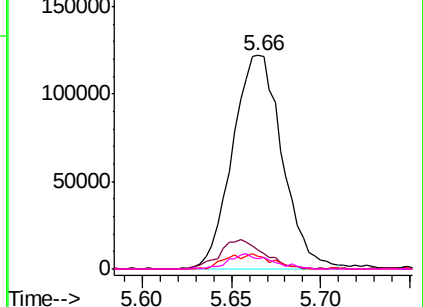


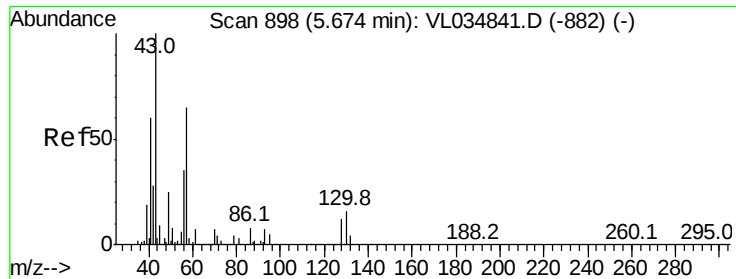
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

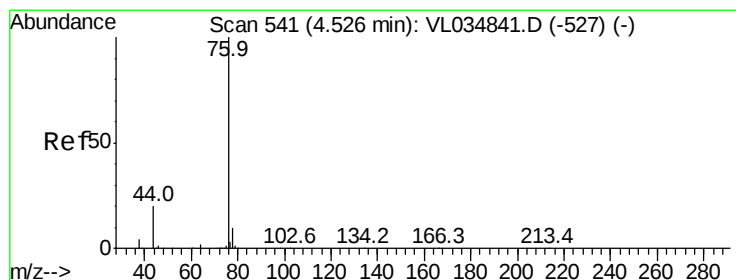
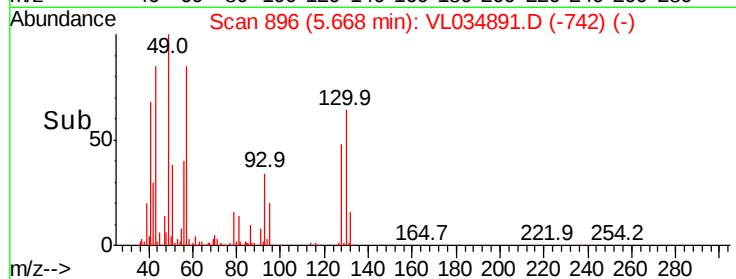
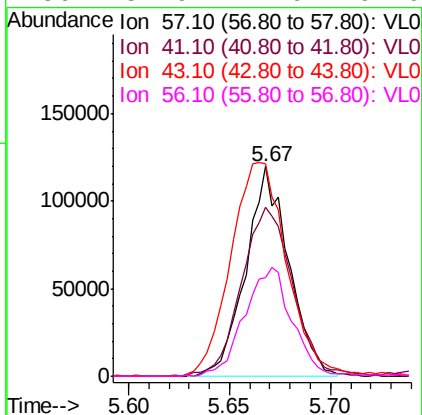
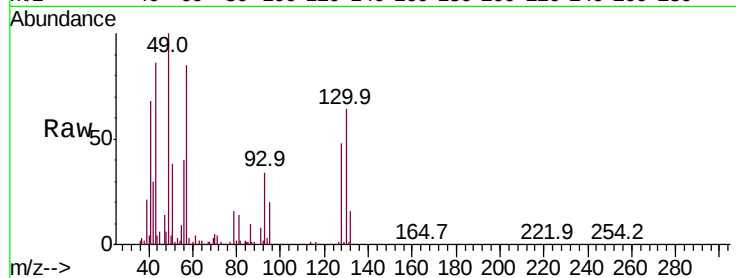




#26  
Hexane  
Concen: 1.952 ppbv  
RT: 5.67 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: VL034891.D  
Acq: 16 Mar 2020 15:26

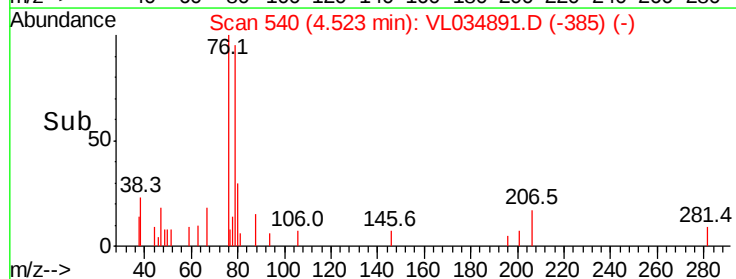
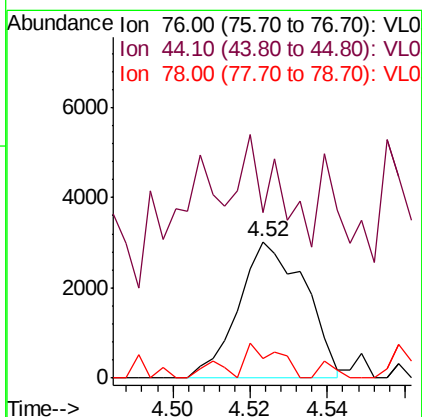
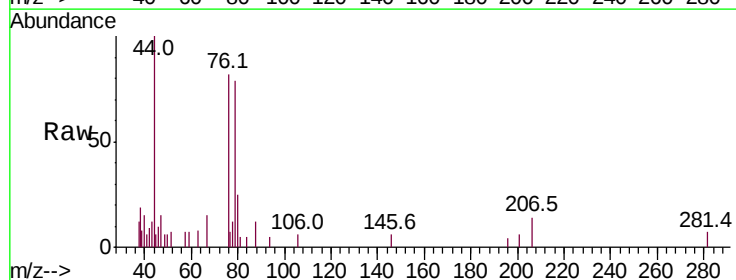
Instrument :  
MSVOA\_L  
ClientSampleId :

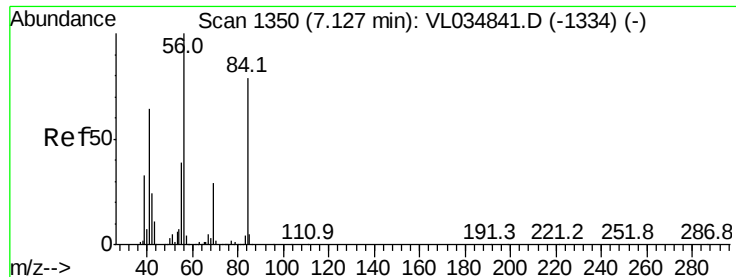
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 57    | Resp: | 178610 |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 96.2  | 72.6  | 109.0  |
| 43       | 133.6 | 183.8 | 275.6# |
| 56       | 57.6  | 41.9  | 62.9   |



#27  
Carbon Disulfide  
Concen: 0.035 ppbv  
RT: 4.52 min Scan# 540  
Delta R.T. -0.00 min  
Lab File: VL034891.D  
Acq: 16 Mar 2020 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 76    | Resp: | 3633  |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 44       | 273.0 | 16.2  | 24.2# |
| 78       | 23.4  | 7.8   | 11.6# |

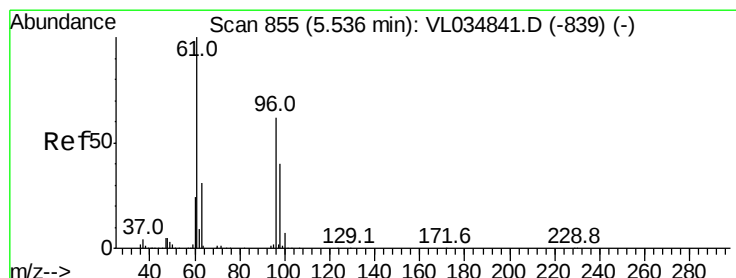
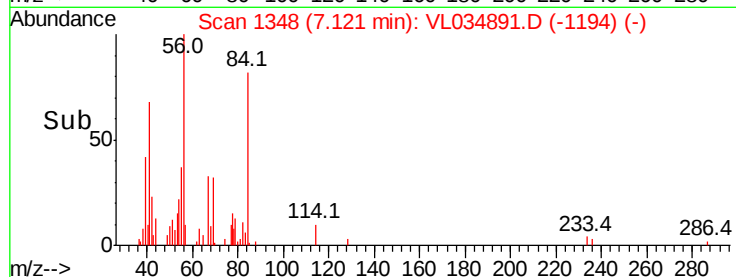
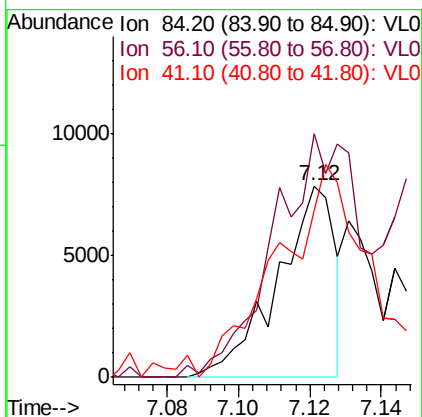
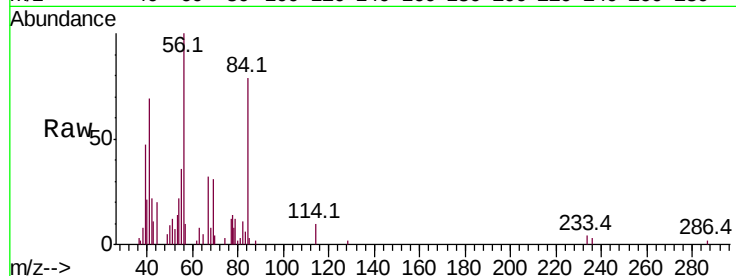




#30  
Cvclohexane  
Concen: 0.114 ppbv  
RT: 7.12 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: VL034891.D  
Acq: 16 Mar 2020 15:26

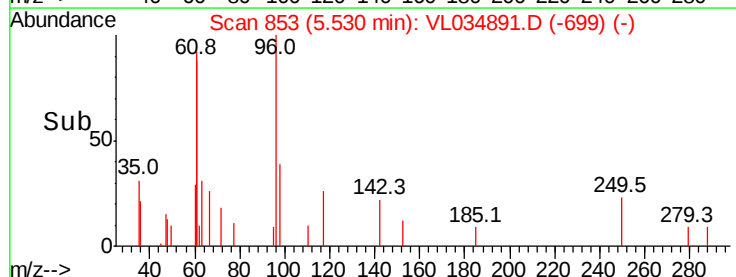
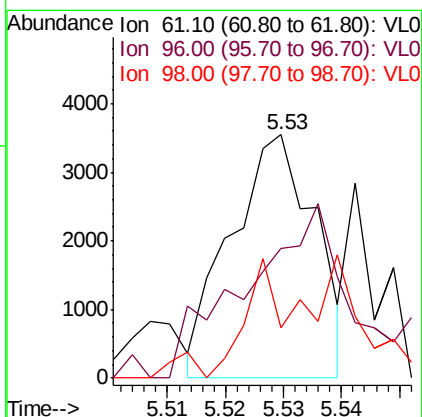
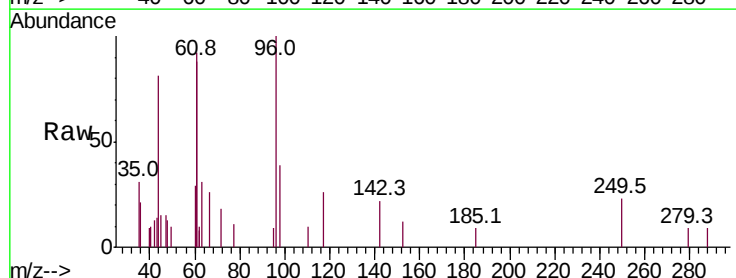
Instrument :  
MSVOA\_L  
ClientSampleId :

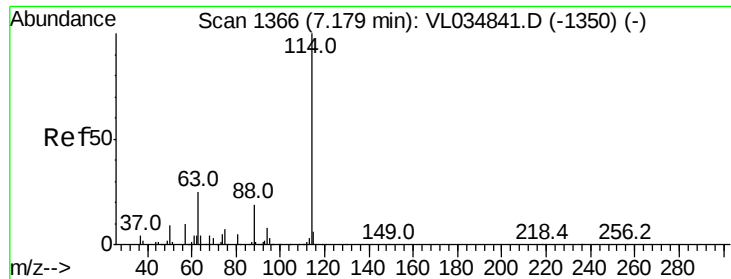
Tot Ion: 84 Resp: 8676  
Ion Ratio Lower Upper  
84 100  
56 0.0 110.5 165.7#  
41 182.6 68.2 102.4#



#31  
cis-1,2-Dichloroethene  
Concen: 0.038 ppbv  
RT: 5.53 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: VL034891.D  
Acq: 16 Mar 2020 15:26

Tgt Ion: 61 Resp: 3591  
Ion Ratio Lower Upper  
61 100  
96 26.2 49.8 74.8#  
98 11.2 32.2 48.4#

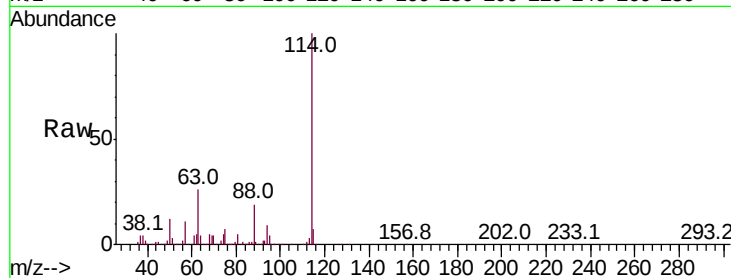




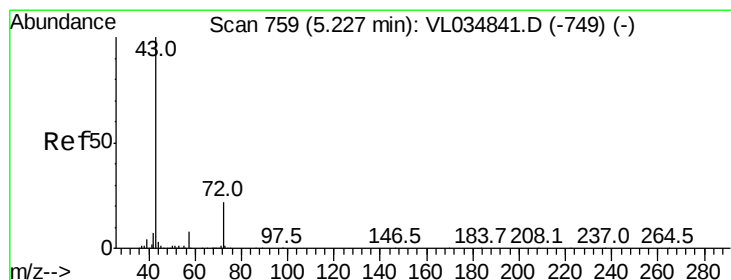
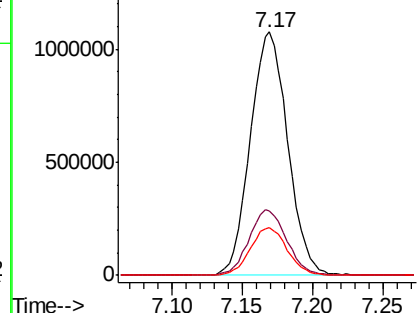
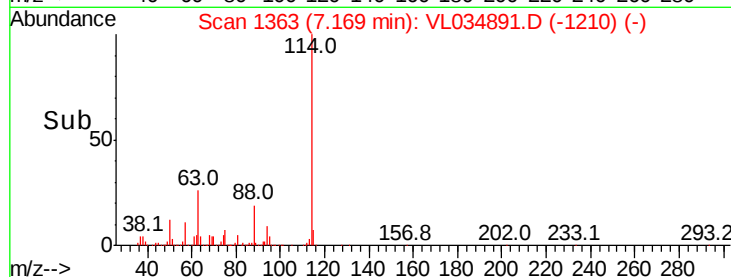
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min Scan# 1363  
 Delta R.T. -0.01 min  
 Lab File: VL034891.D  
 Acq: 16 Mar 2020 15:26

Instrument :  
 MSVOA\_L  
 ClientSampleID :

Tot Ion:114 Resp: 1997706  
 Ion Ratio Lower Upper  
 114 100  
 63 27.0 20.6 31.0  
 88 19.4 15.0 22.6

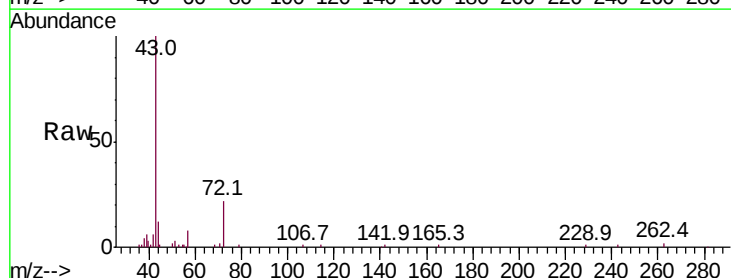


Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

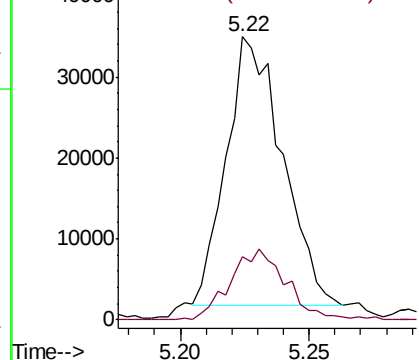
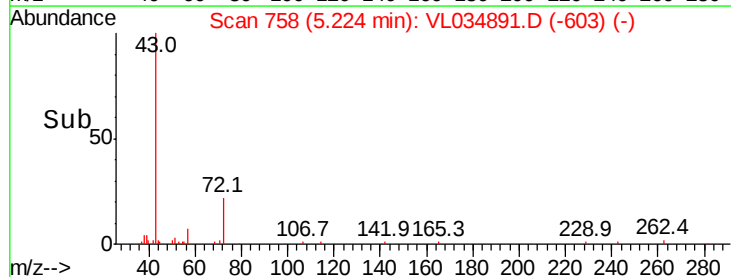


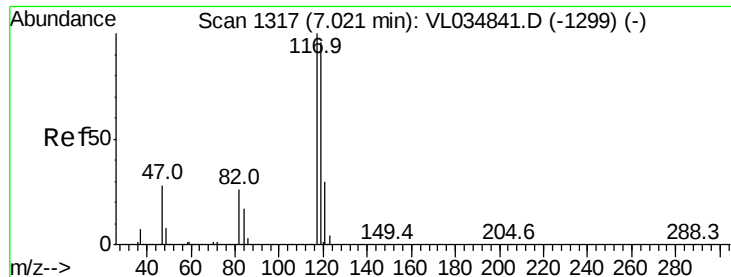
#34  
 2-Butanone  
 Concen: 0.380 ppbv  
 RT: 5.22 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: VL034891.D  
 Acq: 16 Mar 2020 15:26

Tgt Ion: 43 Resp: 50412  
 Ion Ratio Lower Upper  
 43 100  
 72 26.4 17.6 26.4#



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





#35

Carbon Tetrachloride

Concen: 0.041 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

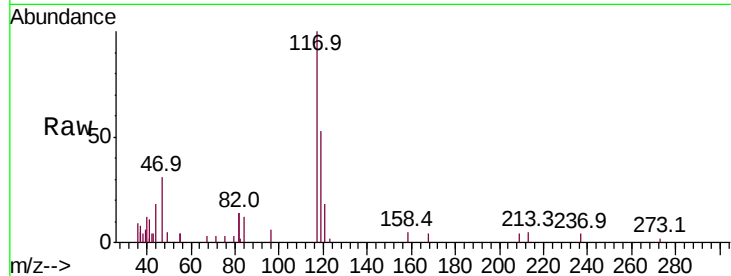
Tot Ion:117 Resp: 5107

Ion Ratio Lower Upper

117 100

119 42.6 77.0 115.4#

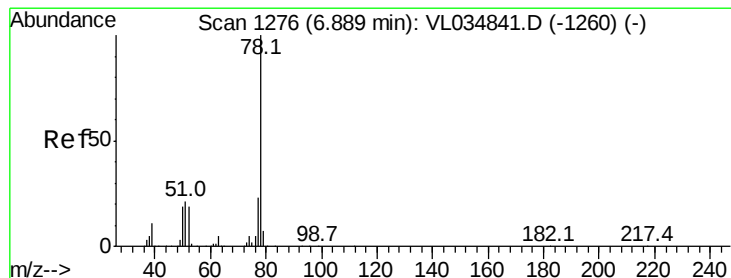
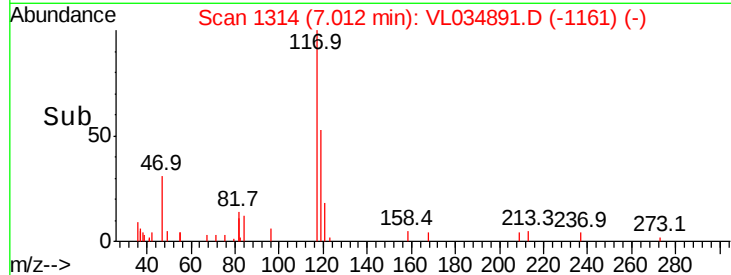
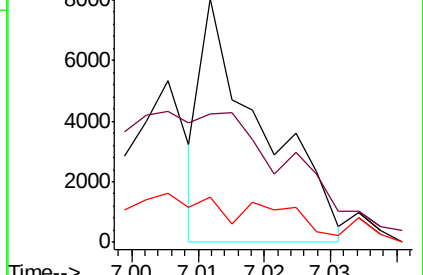
121 16.7 24.0 36.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.430 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

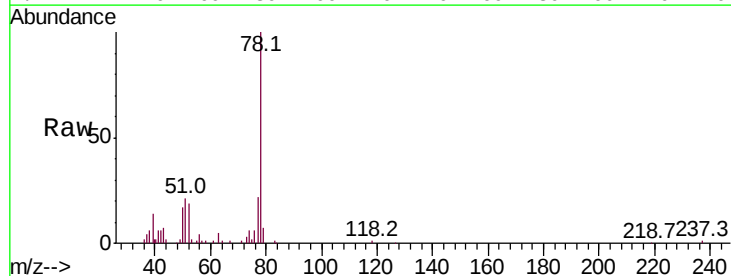
Tgt Ion: 78 Resp: 76544

Ion Ratio Lower Upper

78 100

77 21.6 18.2 27.2

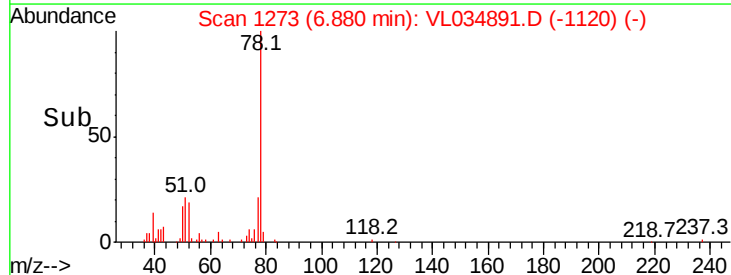
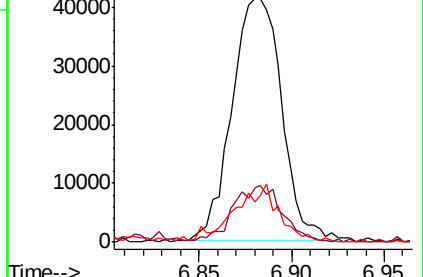
50 16.8 15.2 22.8

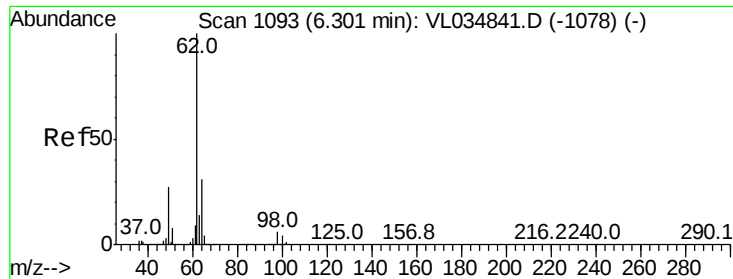


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.055 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.01 min

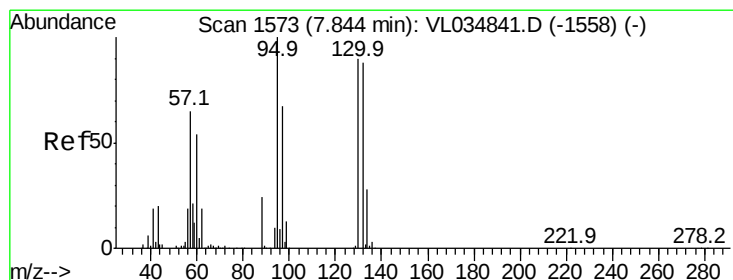
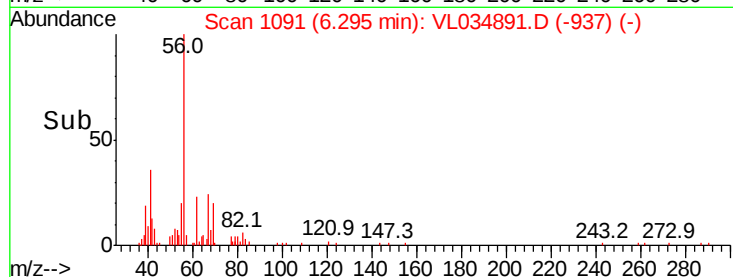
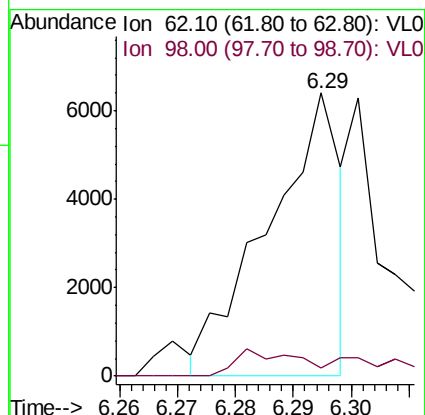
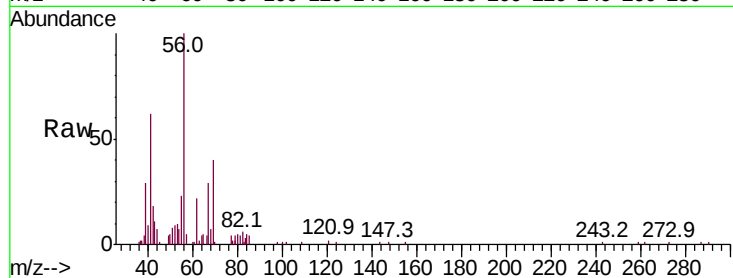
Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 62 Resp: 5569

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 0.0   | 5.2   | 7.8#  |



#38

Trichloroethene

Concen: 0.045 ppbv

RT: 7.83 min Scan# 1568

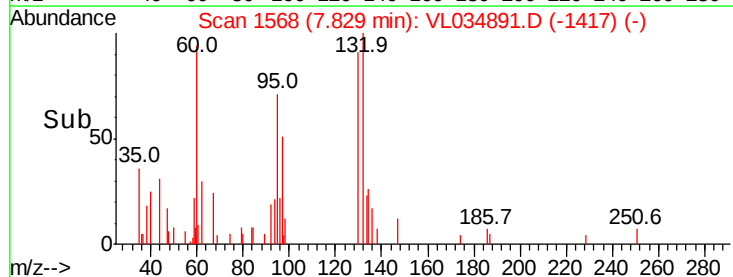
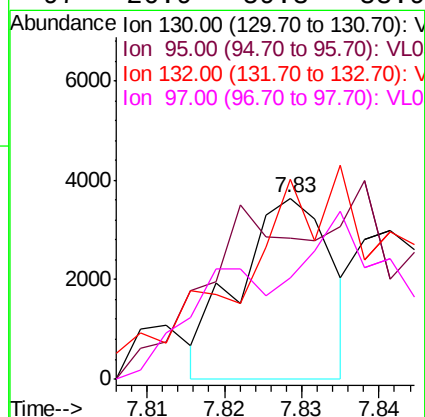
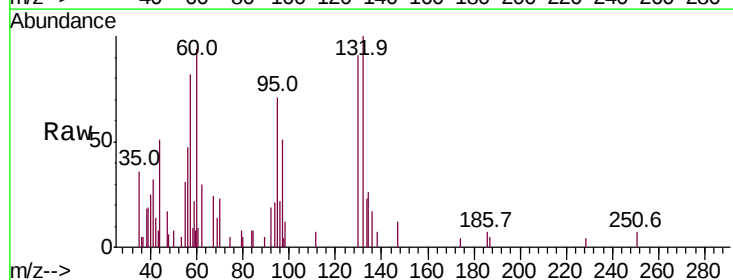
Delta R.T. -0.02 min

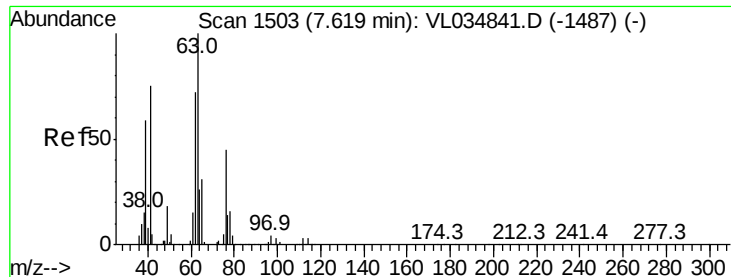
Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Tgt Ion: 130 Resp: 3023

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 130 | 100   |       |        |
| 95  | 35.7  | 88.5  | 132.7# |
| 132 | 75.3  | 78.0  | 117.0# |
| 97  | 26.9  | 59.3  | 88.9#  |





#39

1,2-Dichloropropane

Concen: 7.582 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

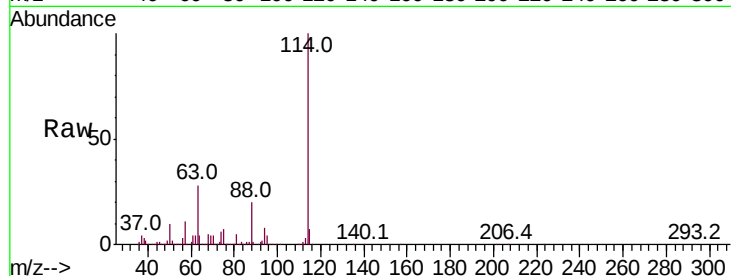
Tot Ion: 63 Resp: 534914

Ion Ratio Lower Upper

63 100

41 0.0 59.8 89.8#

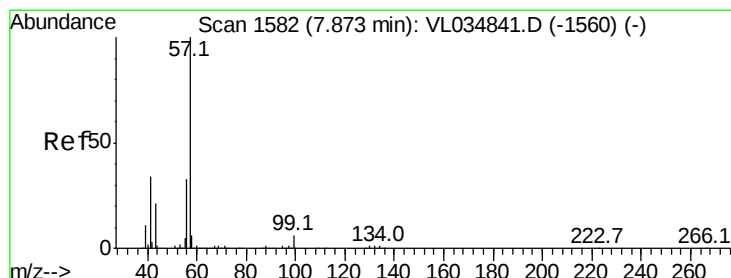
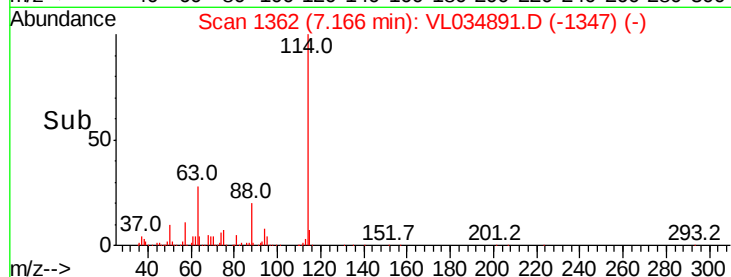
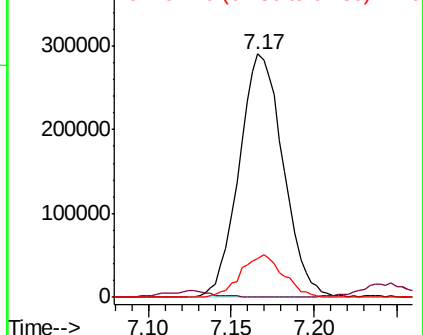
62 16.1 57.6 86.4#



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



#44

2,2,4-Trimethylpentane

Concen: 0.439 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

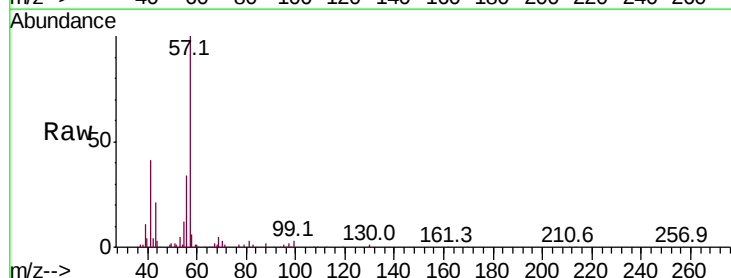
Tgt Ion: 57 Resp: 132126

Ion Ratio Lower Upper

57 100

41 41.9 26.2 39.4#

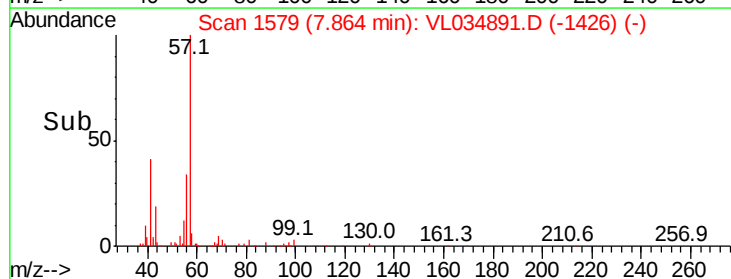
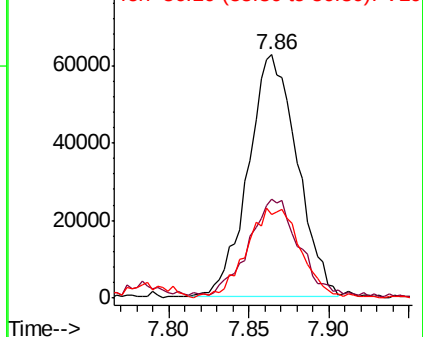
56 41.3 25.0 37.4#

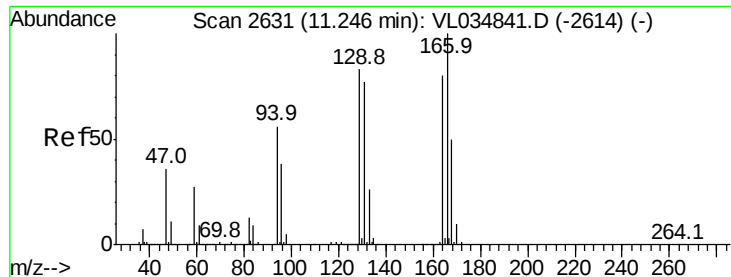


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.067 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

Tot Ion:164 Resp: 4705

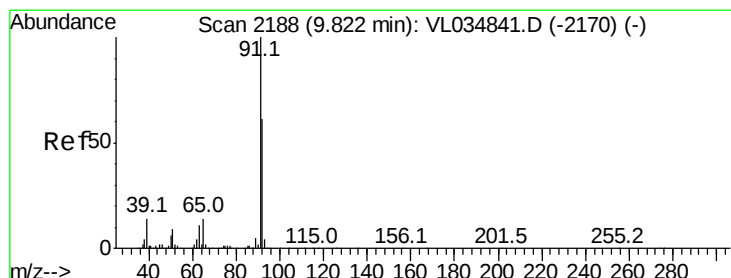
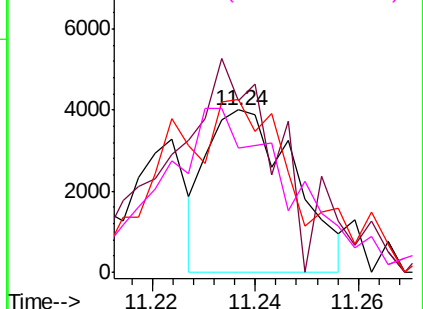
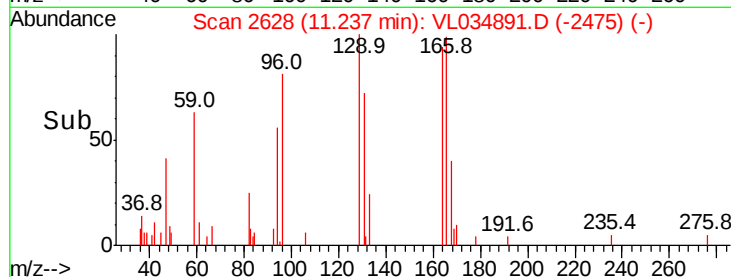
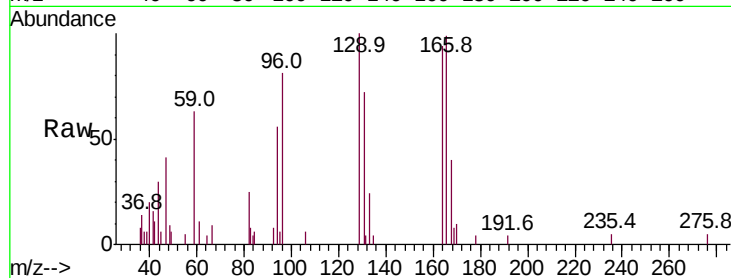
Ion Ratio Lower Upper

164 100

166 97.2 100.0 150.0#

129 88.6 83.1 124.7

131 68.9 77.2 115.8#



#53

Toluene

Concen: 4.193 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.01 min

Lab File: VL034891.D

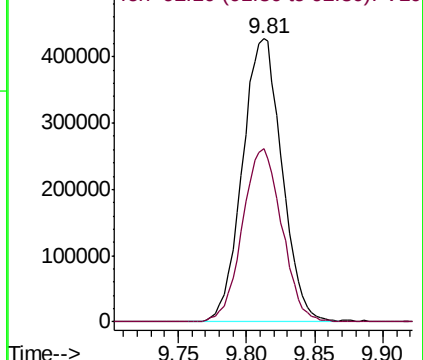
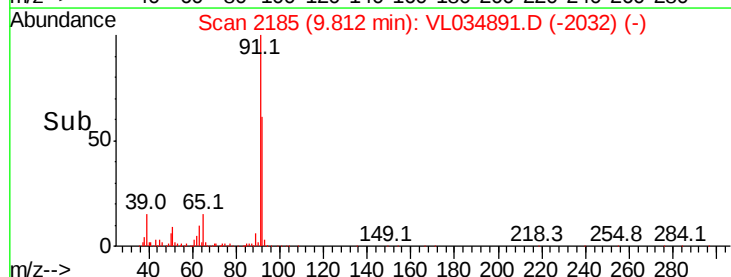
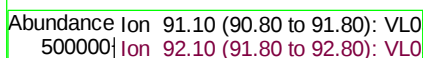
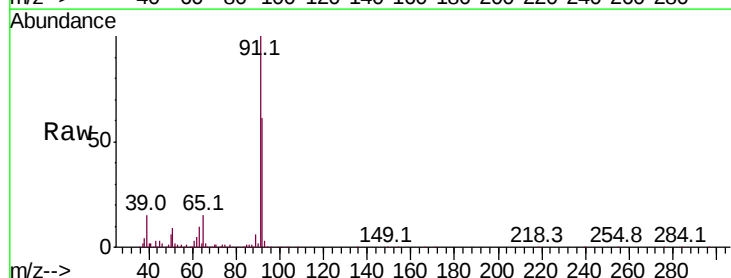
Acq: 16 Mar 2020 15:26

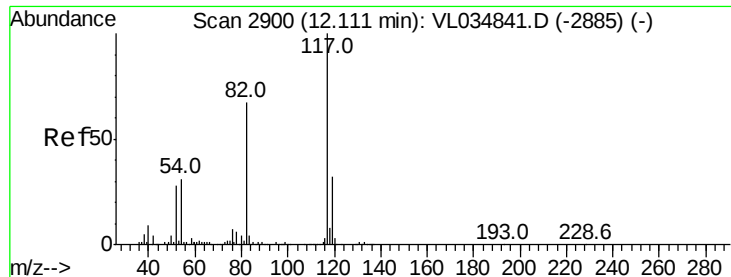
Tgt Ion: 91 Resp: 862152

Ion Ratio Lower Upper

91 100

92 60.9 48.6 72.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

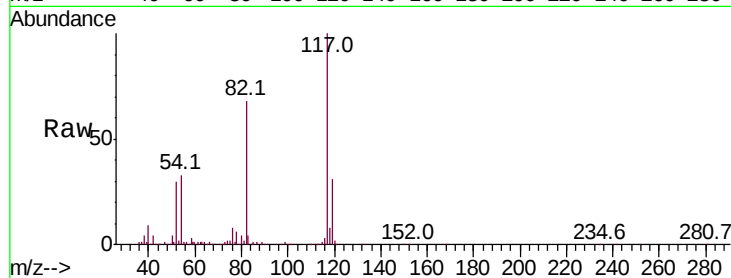
Tot Ion:117 Resp: 1945932

Ion Ratio Lower Upper

117 100

82 69.1 51.1 76.7

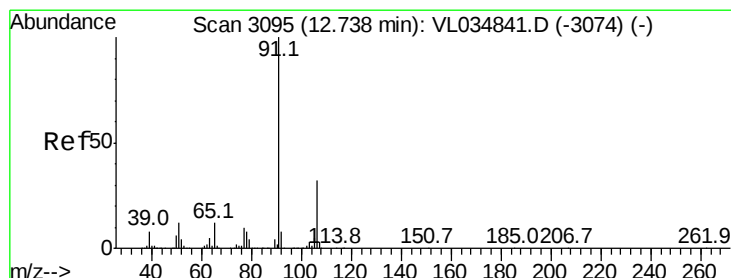
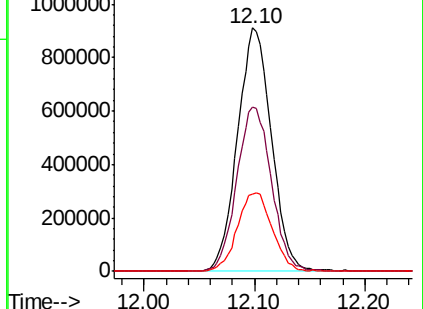
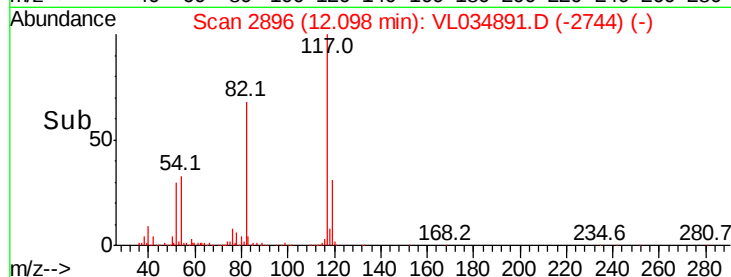
119 33.3 27.3 40.9



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: 0.176 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.24 min

Lab File: VL034891.D

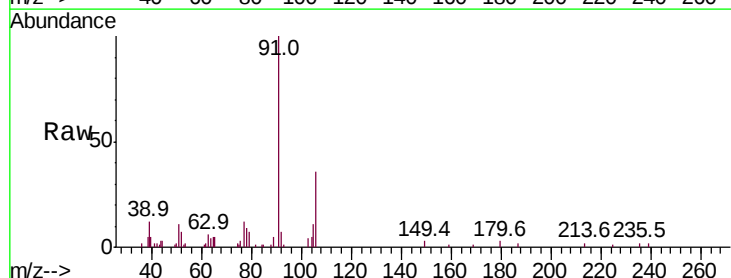
Acq: 16 Mar 2020 15:26

Tgt Ion: 91 Resp: 46458

Ion Ratio Lower Upper

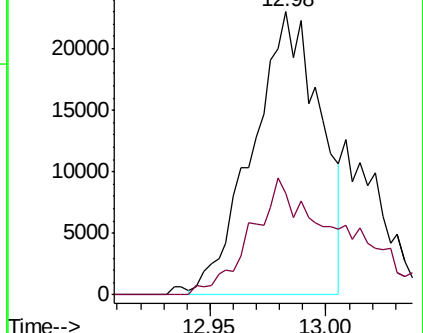
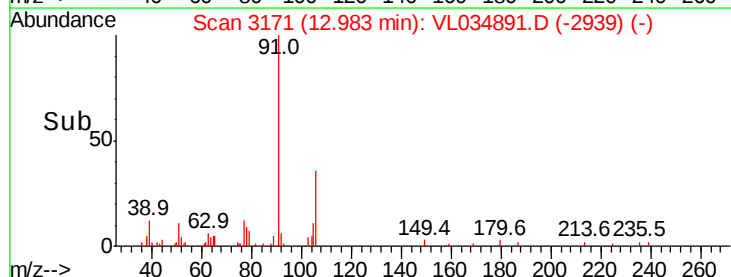
91 100

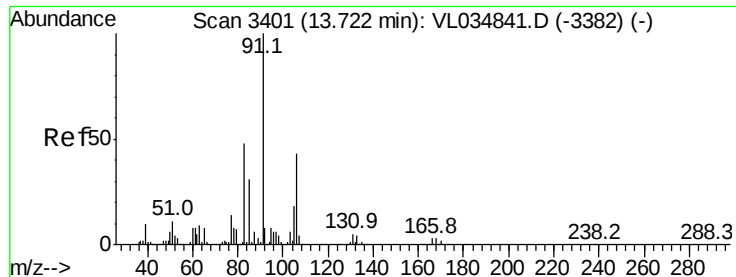
106 36.2 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.121 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.02 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

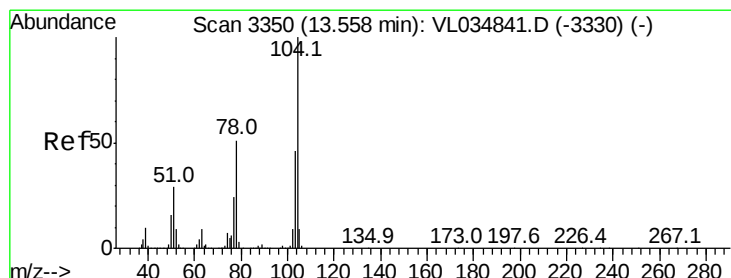
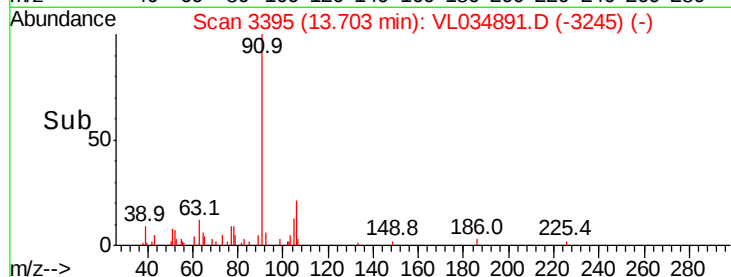
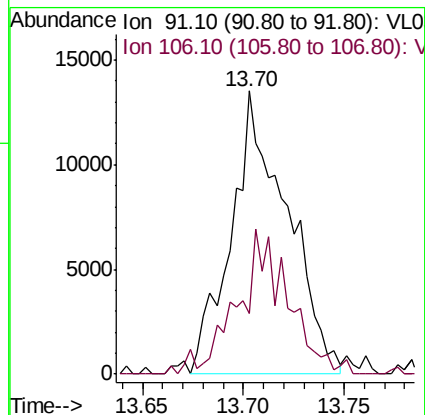
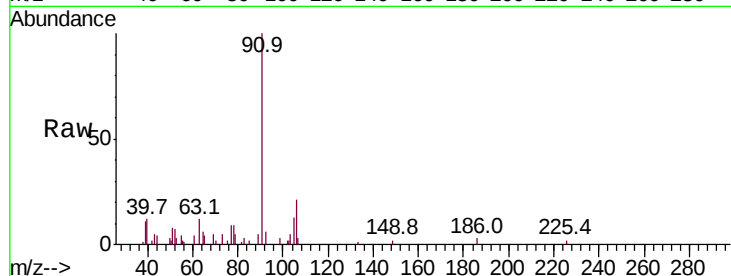
ClientSampled :

Tot Ion: 91 Resp: 26167

Ion Ratio Lower Upper

91 100

106 46.4 22.5 67.5



#61

Styrene

Concen: 0.038 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

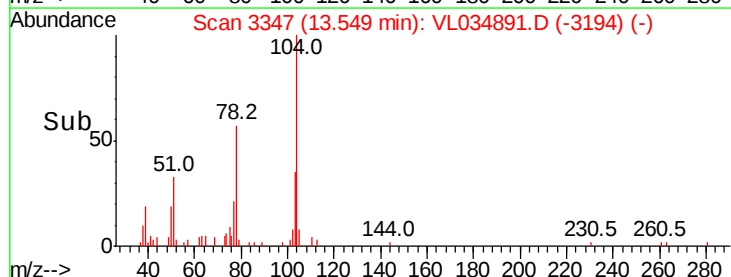
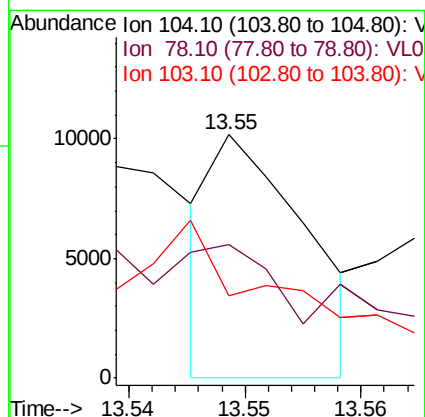
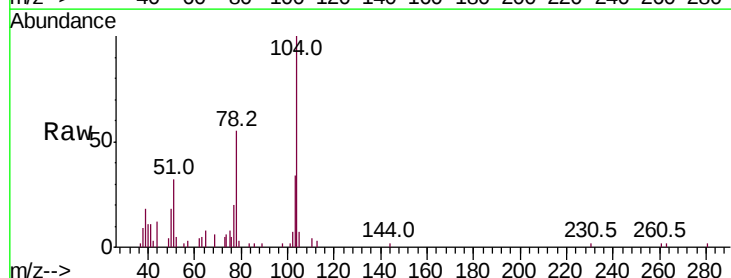
Tgt Ion: 104 Resp: 5682

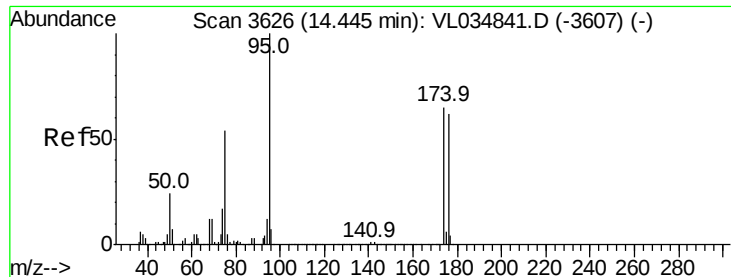
Ion Ratio Lower Upper

104 100

78 203.6 41.8 62.6#

103 178.1 37.8 56.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.513 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034891.D

Acq: 16 Mar 2020 15:26

Instrument :

MSVOA\_L

ClientSampleId :

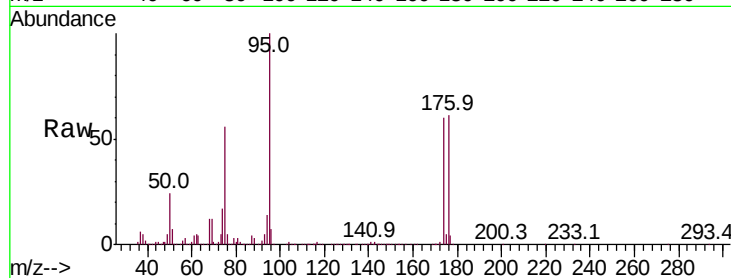
Tot Ion: 95 Resp: 1595410

Ion Ratio Lower Upper

95 100

174 65.4 55.2 82.8

175 5.0 4.3 6.5



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

