

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\  
 Data File : VL034903.D  
 Acq On : 16 Mar 2020 23:22  
 Operator : SY/AP  
 Sample : L1924-06  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-02

Quant Time: Mar 17 04:28:34 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   | 5.66  | 49   | 934470   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 1974001  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 1863321  | 10.00 | ppbv  | 0.00     |

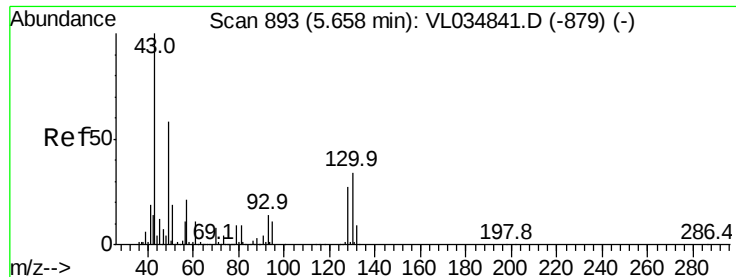
System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1518292  | 10.45    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.50% |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.01  | 85   | 92999    | 0.727   | ppbv   | 92     |
| 3) Chlorodifluoromethane       | 2.92  | 51   | 216378   | 2.073   | ppbv # | 71     |
| 4) Chloromethane               | 3.10  | 50   | 22142    | 0.375   | ppbv # | 86     |
| 9) Propene                     | 3.17  | 41   | 65039    | 1.305   | ppbv   | 86     |
| 10) Heptane                    | 8.14  | 43   | 4068     | 0.033   | ppbv # | 25     |
| 11) Trichlorofluoromethane     | 3.79  | 101  | 7266     | 0.053   | ppbv   | 93     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47  | 101  | 18058742 | 189.535 | ppbv # | 80     |
| 13) Ethanol                    | 3.58  | 45   | 481063   | 31.749  | ppbv   | 95     |
| 15) Acetone                    | 3.83  | 43   | 3471152  | 28.660  | ppbv   | 98     |
| 16) 1,3-Butadiene              | 3.31  | 39   | 35783    | 0.653   | ppbv # | 9      |
| 17) tert-Butyl alcohol         | 4.26  | 59   | 773028   | 6.625   | ppbv # | 75     |
| 18) 1,1-Dichloroethene         | 4.26  | 96   | 7523227  | 178.298 | ppbv # | 57     |
| 19) Isopropyl Alcohol          | 3.95  | 45   | 257156   | 3.362   | ppbv # | 1      |
| 20) Methylene Chloride         | 4.32  | 84   | 88775    | 2.318   | ppbv   | 97     |
| 21) Allyl Chloride             | 4.47  | 41   | 4010     | 0.052   | ppbv # | 1      |
| 22) trans-1,2-Dichloroethene   | 4.87  | 96   | 13930    | 0.325   | ppbv # | 95     |
| 23) Vinyl Acetate              | 5.04  | 43   | 60553    | 0.338   | ppbv # | 1      |
| 24) 1,1-Dichloroethane         | 5.00  | 63   | 1396481  | 11.644  | ppbv   | 99     |
| 26) Hexane                     | 5.68  | 57   | 17655    | 0.190   | ppbv # | 1      |
| 27) Carbon Disulfide           | 4.53  | 76   | 59147    | 0.561   | ppbv # | 79     |
| 29) Chloroform                 | 5.75  | 83   | 2501483  | 17.645  | ppbv   | 98     |
| 30) Cyclohexane                | 7.14  | 84   | 20524    | 0.265   | ppbv # | 51     |
| 31) cis-1,2-Dichloroethene     | 5.55  | 61   | 4330691  | 45.575  | ppbv   | 92     |
| 32) 1,1,1-Trichloroethane      | 6.52  | 97   | 10327629 | 74.763  | ppbv # | 84     |
| 34) 2-Butanone                 | 5.25  | 43   | 42867    | 0.327   | ppbv   | 97     |
| 35) Carbon Tetrachloride       | 7.02  | 117  | 6112     | 0.050   | ppbv # | 40     |
| 36) Benzene                    | 6.91  | 78   | 24610    | 0.140   | ppbv   | 94     |
| 37) 1,2-Dichloroethane         | 6.51  | 62   | 1023581  | 10.317  | ppbv # | 1      |
| 38) Trichloroethene            | 7.86  | 130  | 13239925 | 198.129 | ppbv   | 91     |
| 39) 1,2-Dichloropropane        | 7.86  | 63   | 92661    | 1.329   | ppbv # | 1      |
| 40) 1,4-Dioxane                | 7.85  | 88   | 3689     | 0.140   | ppbv # | 1      |
| 42) Bromodichloromethane       | 7.86  | 83   | 298039   | 2.204   | ppbv # | 96     |
| 44) 2,2,4-Trimethylpentane     | 7.89  | 57   | 17579    | 0.059   | ppbv # | 42     |
| 52) Tetrachloroethene          | 11.24 | 164  | 18167    | 0.261   | ppbv   | 90     |
| 53) Toluene                    | 9.83  | 91   | 32669    | 0.161   | ppbv # | 4      |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

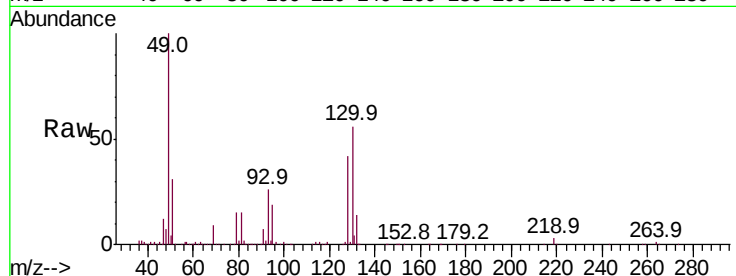
Tot Ion: 49 Resp: 934470

Ion Ratio Lower Upper

49 100

128 44.5 23.4 70.3

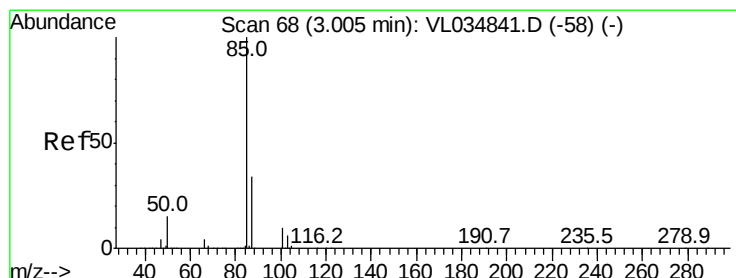
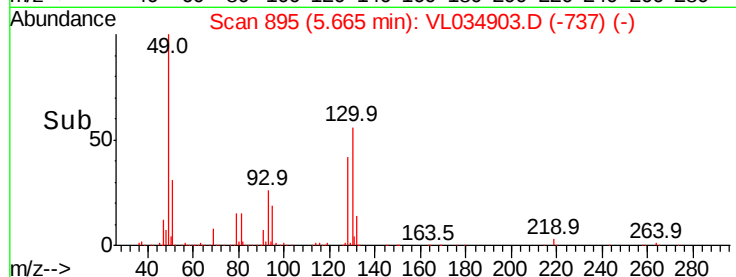
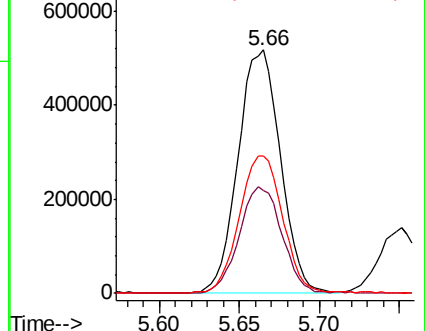
130 58.4 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.727 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034903.D

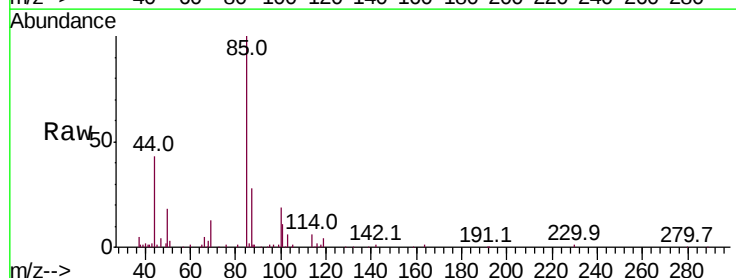
Acq: 16 Mar 2020 23:22

Tgt Ion: 85 Resp: 92999

Ion Ratio Lower Upper

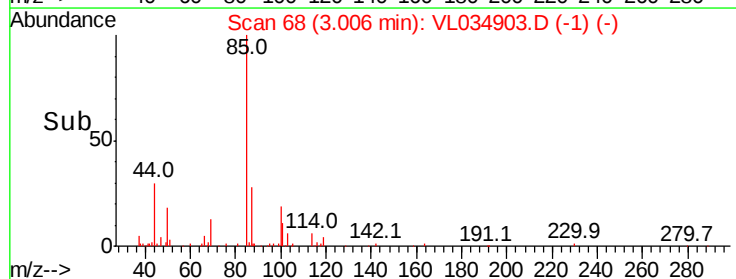
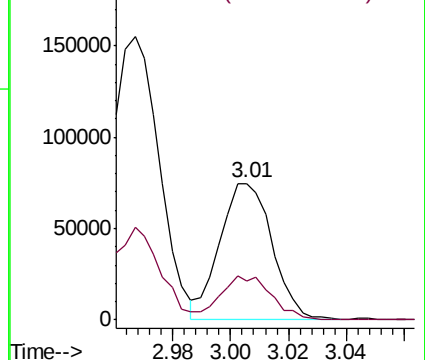
85 100

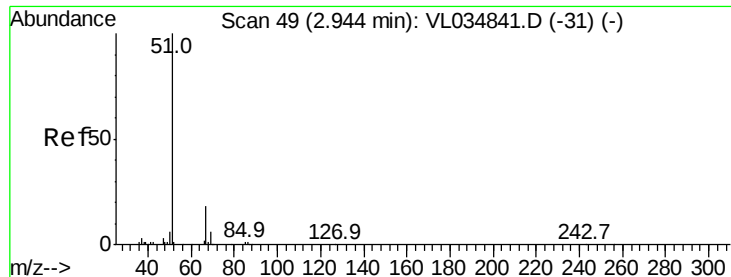
87 29.2 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.073 ppbv

RT: 2.92 min Scan# 41

Delta R.T. -0.03 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampled :

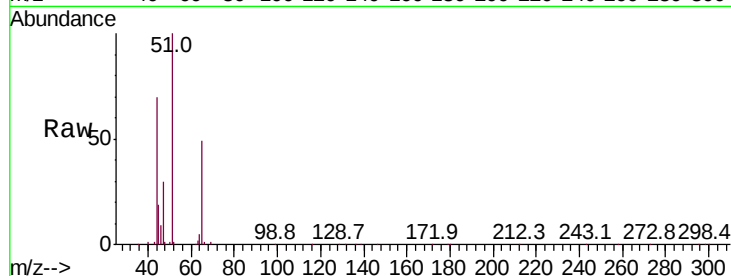
SV-02

Tot Ion: 51 Resp: 216378

Ion Ratio Lower Upper

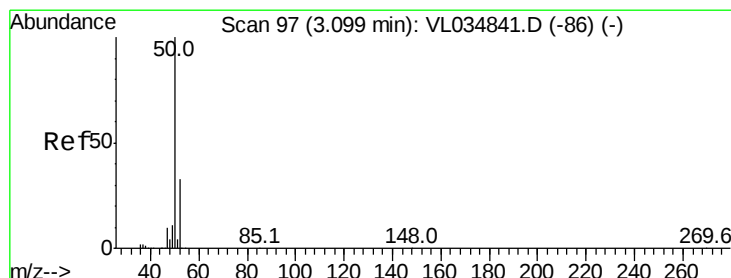
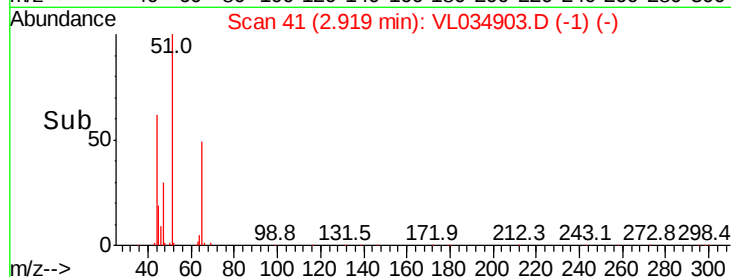
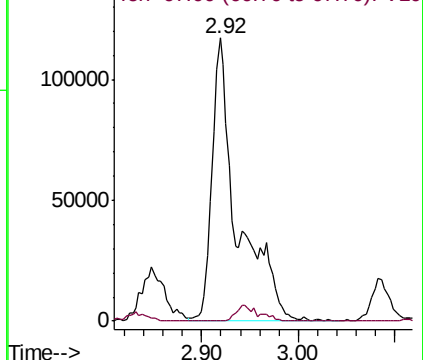
51 100

67 5.0 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.375 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034903.D

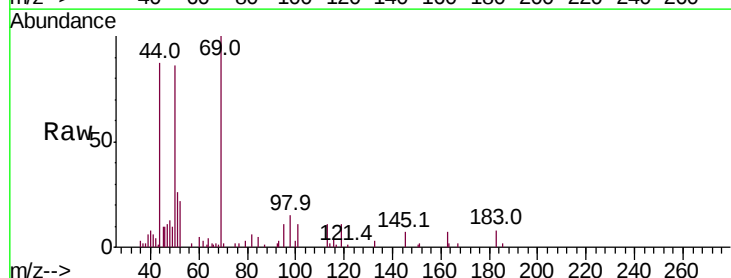
Acq: 16 Mar 2020 23:22

Tgt Ion: 50 Resp: 22142

Ion Ratio Lower Upper

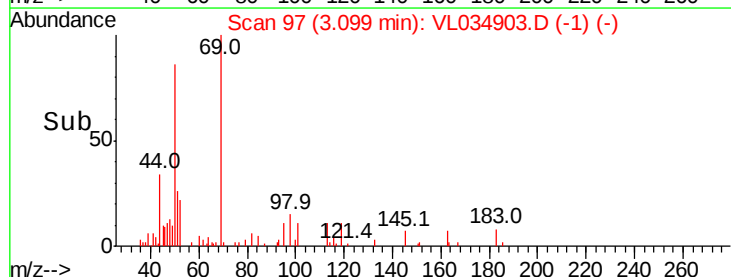
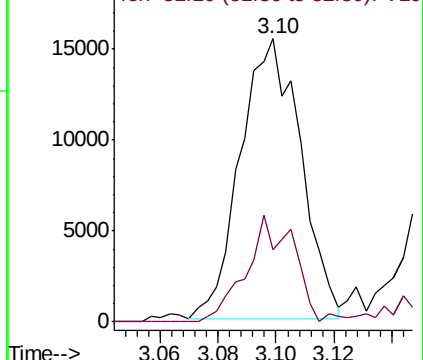
50 100

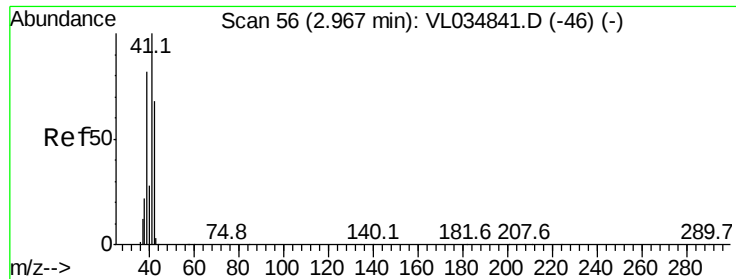
52 25.7 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.305 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.20 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

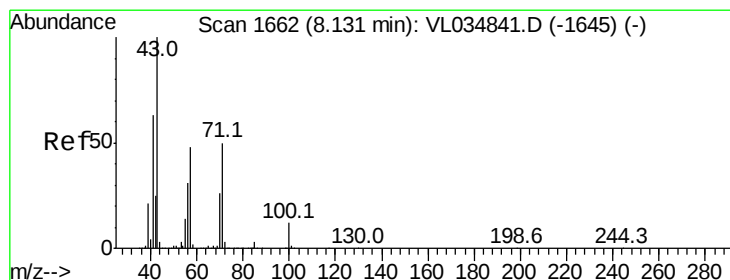
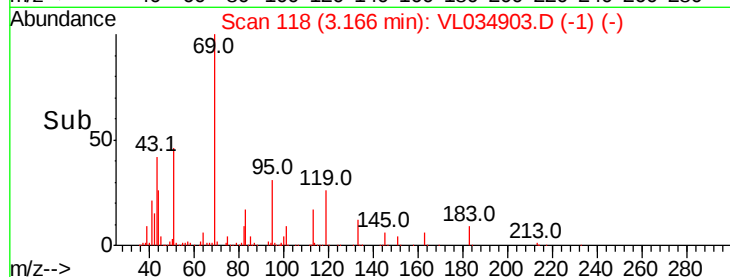
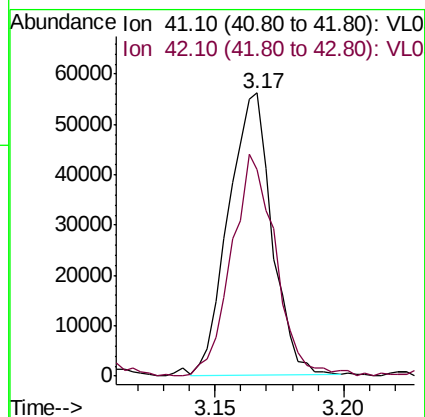
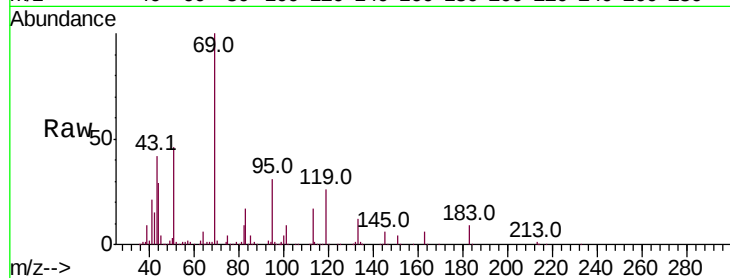
SV-02

Tot Ion: 41 Resp: 65039

Ion Ratio Lower Upper

41 100

42 80.7 55.2 82.8



#10

Heptane

Concen: 0.033 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034903.D

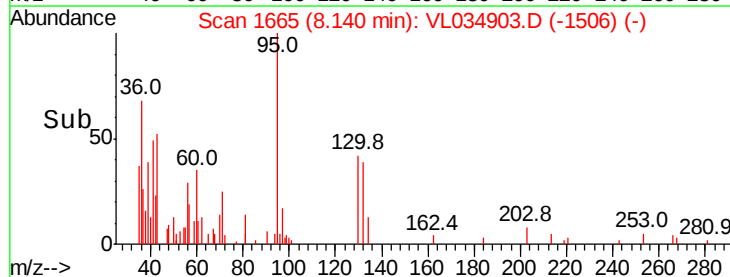
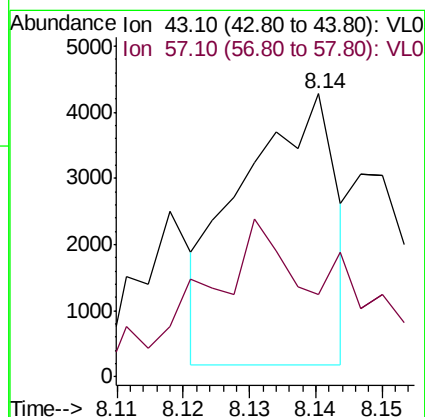
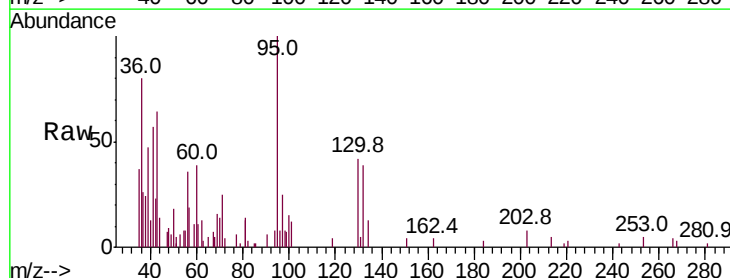
Acq: 16 Mar 2020 23:22

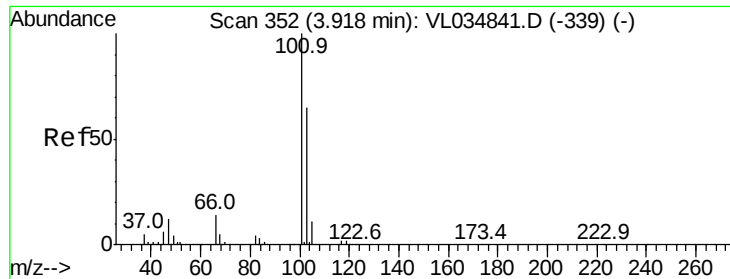
Tgt Ion: 43 Resp: 4068

Ion Ratio Lower Upper

43 100

57 101.3 39.7 59.5#

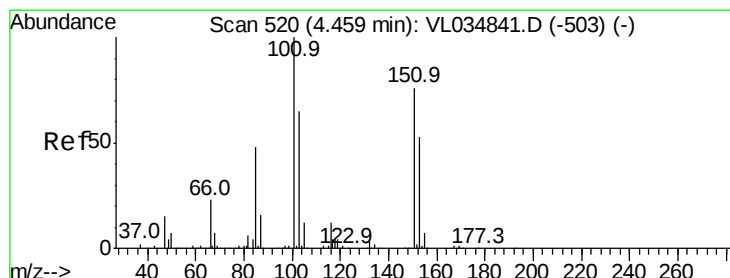
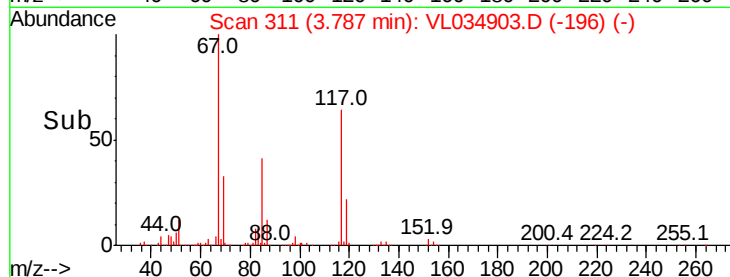
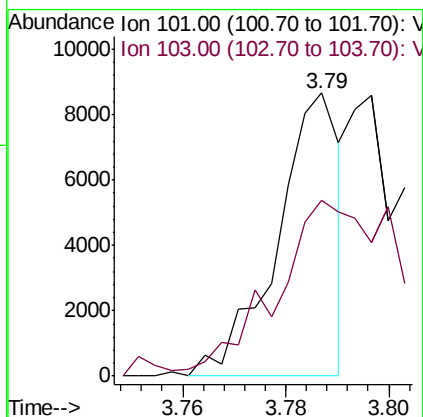
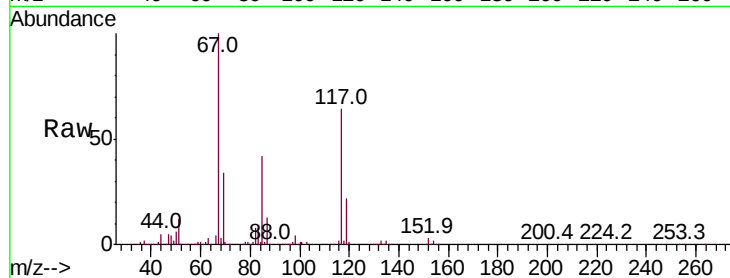




#11  
 Trichlorofluoromethane  
 Concen: 0.053 ppbv  
 RT: 3.79 min Scan# 311  
 Delta R.T. -0.13 min  
 Lab File: VL034903.D  
 Acq: 16 Mar 2020 23:22

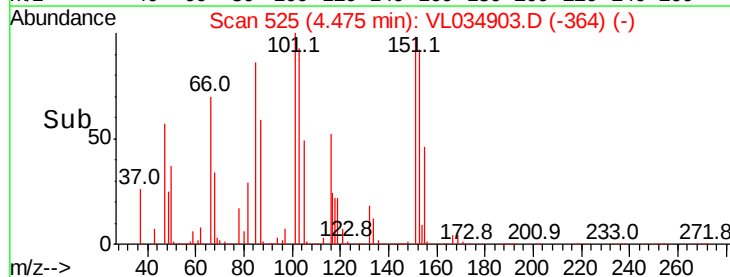
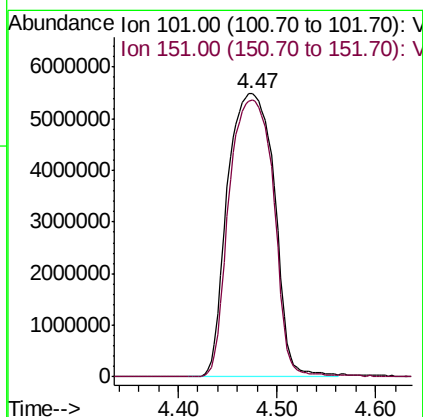
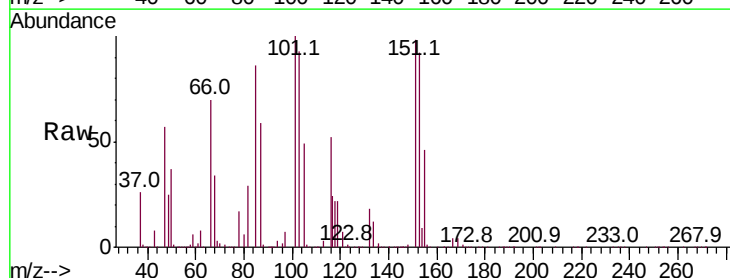
Instrument :  
 MSVOA\_L  
 ClientSampleID :  
 SV-02

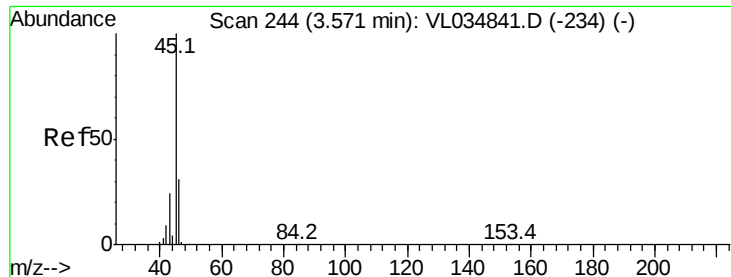
Tot Ion:101 Resp: 7266  
 Ion Ratio Lower Upper  
 101 100  
 103 59.5 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 189.535 ppbv  
 RT: 4.47 min Scan# 525  
 Delta R.T. 0.02 min  
 Lab File: VL034903.D  
 Acq: 16 Mar 2020 23:22

Tgt Ion:101 Resp:18058742  
 Ion Ratio Lower Upper  
 101 100  
 151 93.1 60.8 91.2#





#13

Ethanol

Concen: 31.749 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampled :

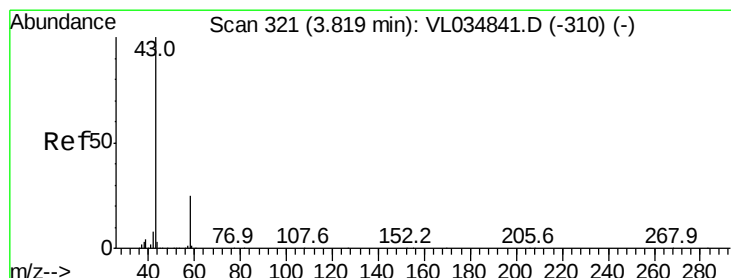
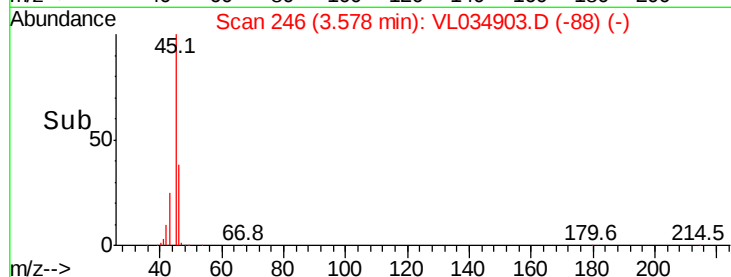
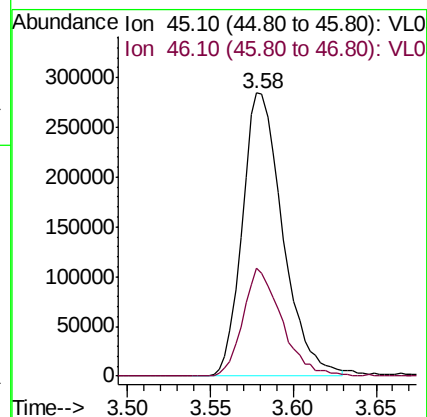
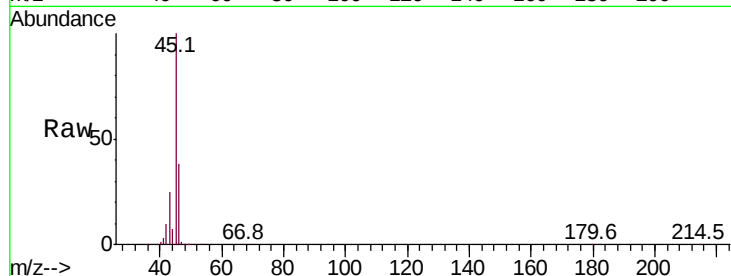
SV-02

Tot Ion: 45 Resp: 481063

Ion Ratio Lower Upper

45 100

46 37.1 16.0 64.0



#15

Acetone

Concen: 28.660 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034903.D

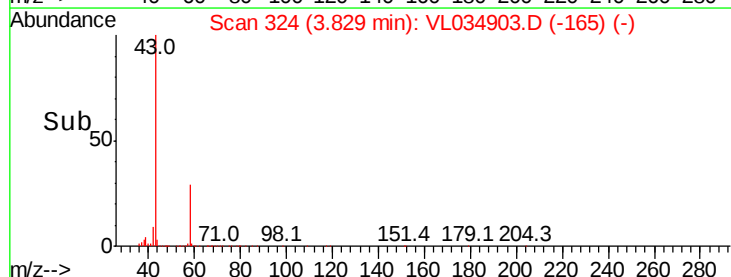
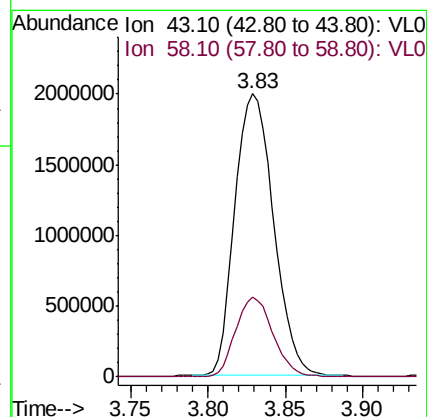
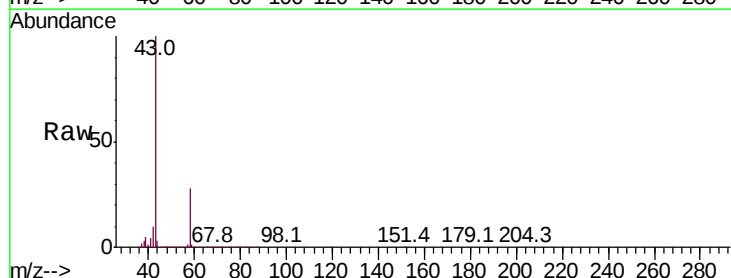
Acq: 16 Mar 2020 23:22

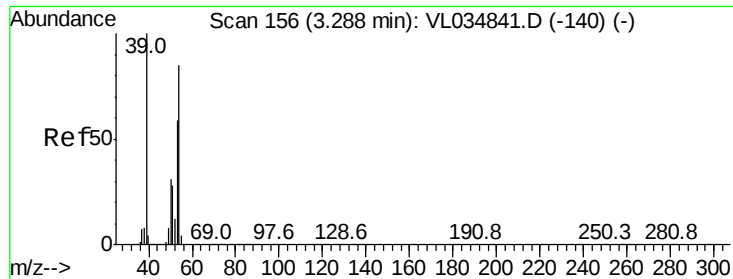
Tgt Ion: 43 Resp: 3471152

Ion Ratio Lower Upper

43 100

58 27.5 21.0 31.6

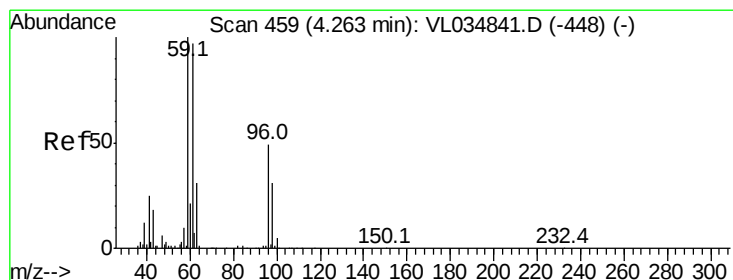
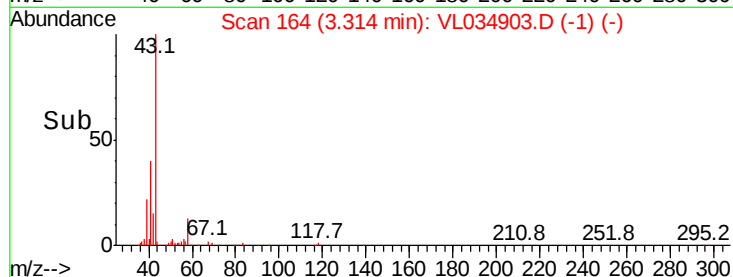
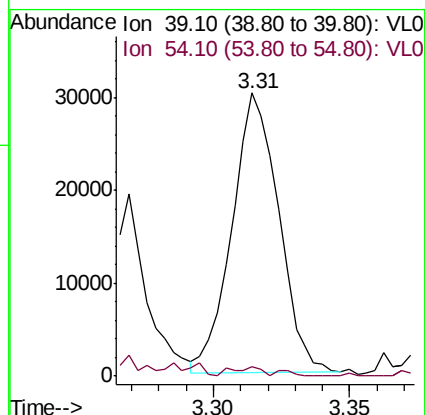
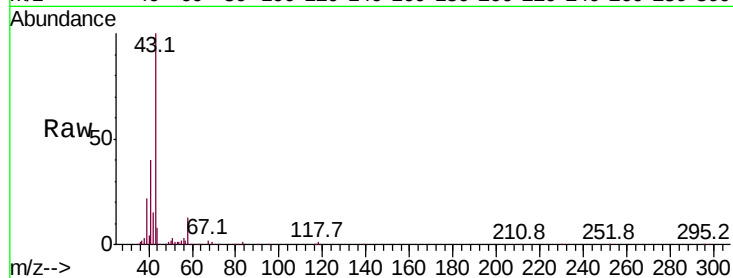




#16  
1,3-Butadiene  
Concen: 0.653 ppbv  
RT: 3.31 min Scan# 164  
Delta R.T. 0.03 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

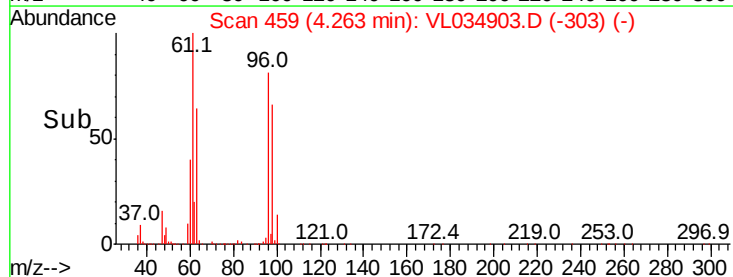
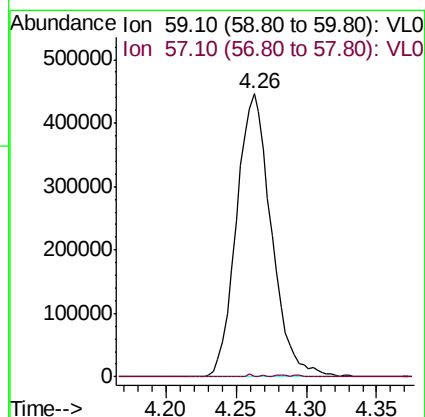
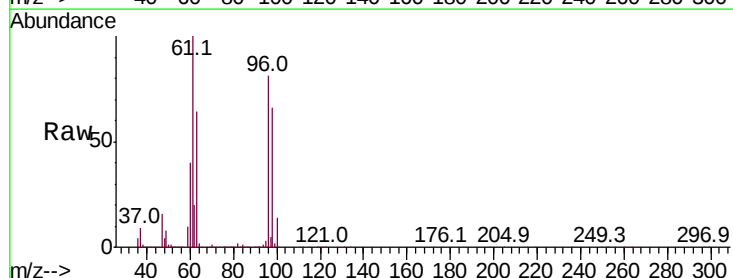
Instrument :  
MSVOA\_L  
ClientSampled :  
SV-02

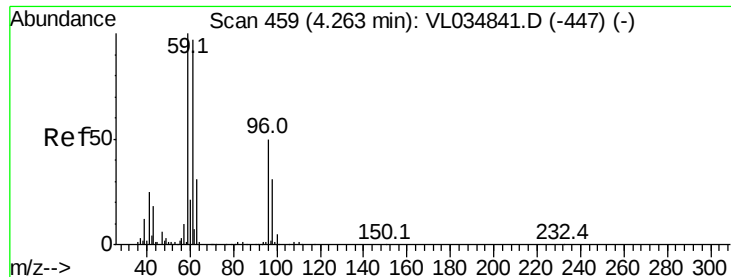
Tot Ion: 39 Resp: 35783  
Ion Ratio Lower Upper  
39 100  
54 0.0 65.0 97.6#



#17  
tert-Butyl alcohol  
Concen: 6.625 ppbv  
RT: 4.26 min Scan# 459  
Delta R.T. 0.00 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

Tgt Ion: 59 Resp: 773028  
Ion Ratio Lower Upper  
59 100  
57 0.9 8.3 12.5#





#18

1,1-Dichloroethene

Concen: 178.298 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

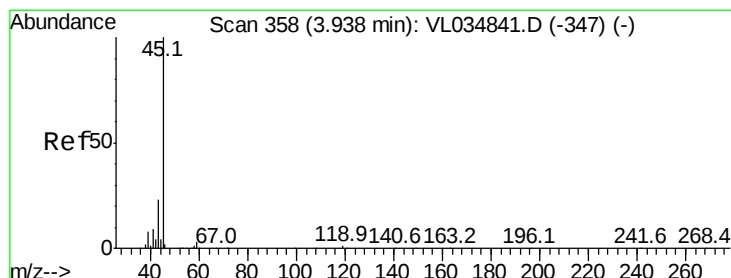
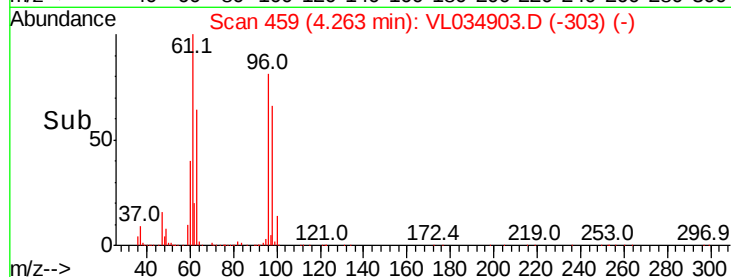
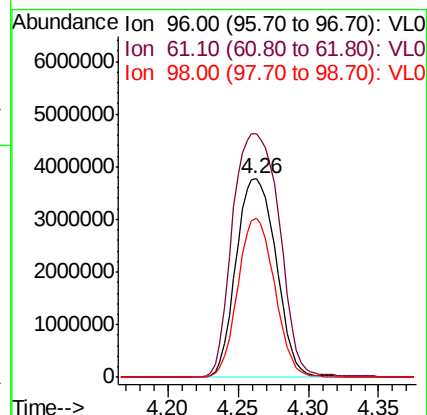
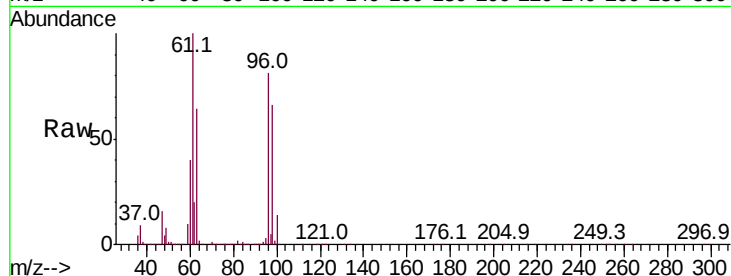
Tot Ion: 96 Resp: 7523227

Ion Ratio Lower Upper

96 100

61 122.7 157.3 235.9#

98 80.4 50.2 75.4#



#19

Isopropyl Alcohol

Concen: 3.362 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.02 min

Lab File: VL034903.D

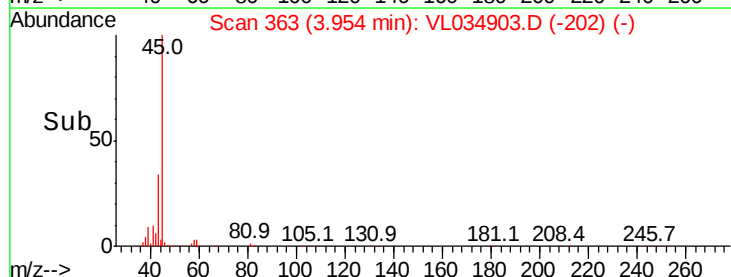
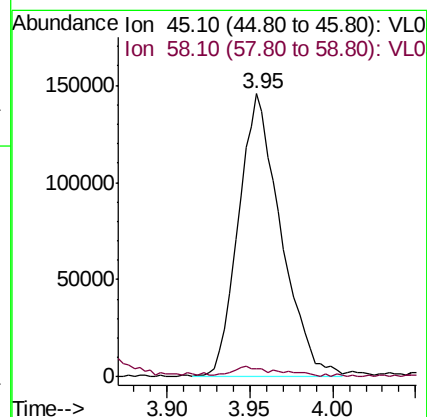
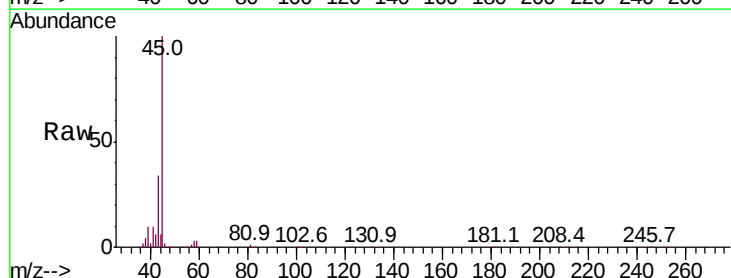
Acq: 16 Mar 2020 23:22

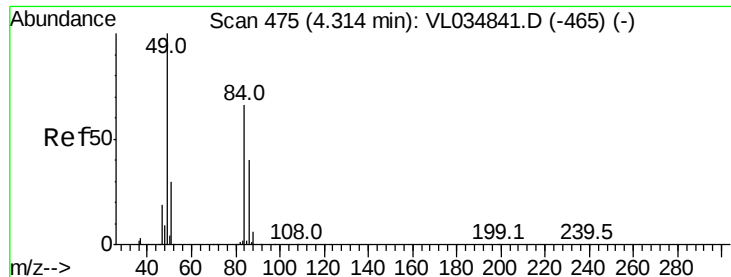
Tgt Ion: 45 Resp: 257156

Ion Ratio Lower Upper

45 100

58 371.4 30.5 45.7#

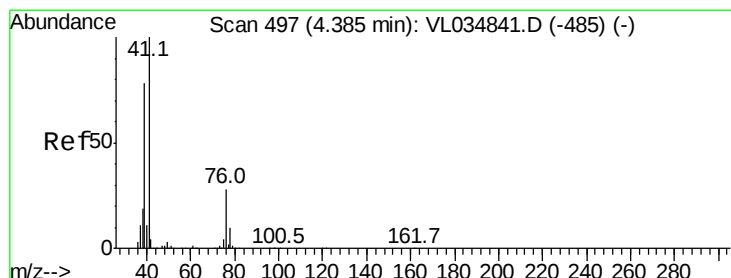
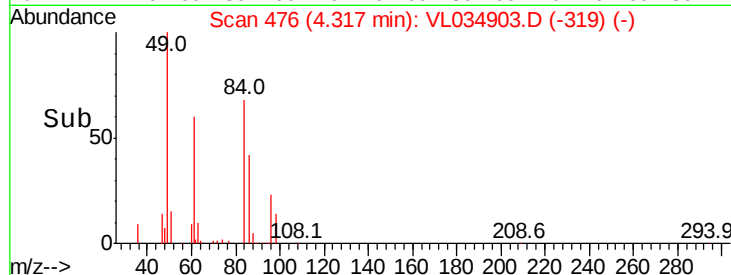
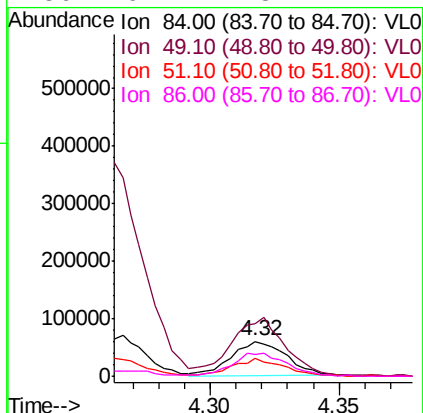
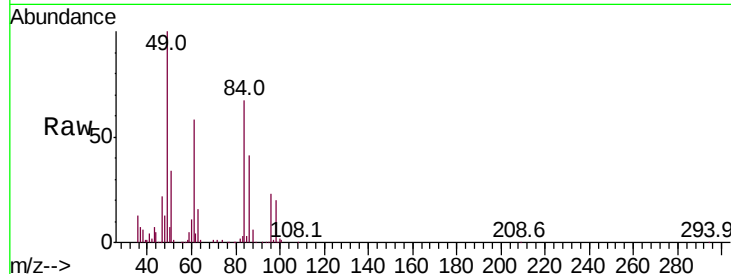




#20  
Methvlene Chloride  
Concen: 2.318 ppbv  
RT: 4.32 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

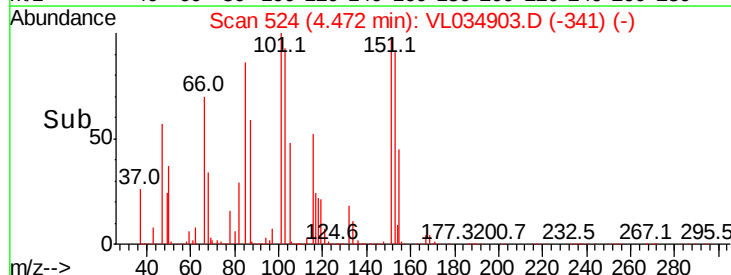
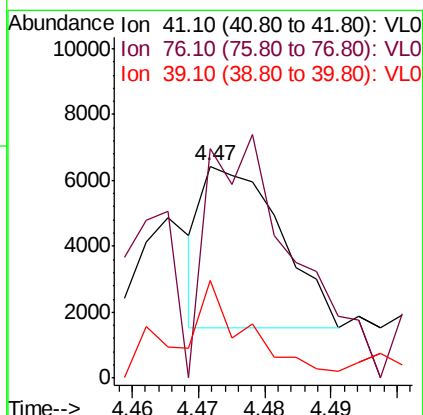
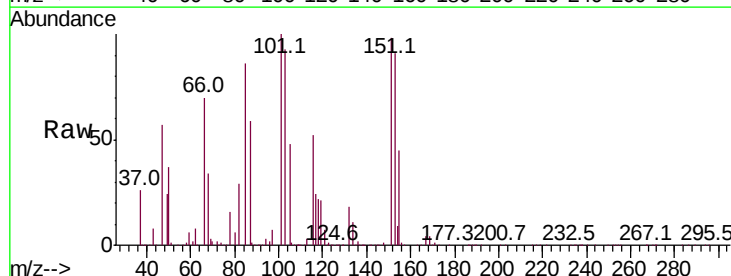
Instrument :  
MSVOA\_L  
ClientSampled :  
SV-02

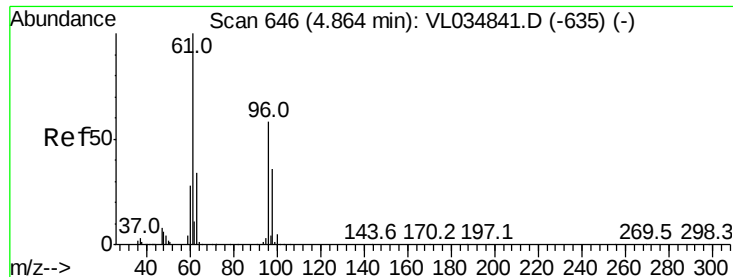
Tot Ion: 84 Resp: 88775  
Ion Ratio Lower Upper  
84 100  
49 148.6 121.5 182.3  
51 49.9 36.6 55.0  
86 61.4 48.2 72.2



#21  
Allyl Chloride  
Concen: 0.052 ppbv  
RT: 4.47 min Scan# 524  
Delta R.T. 0.09 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

Tgt Ion: 41 Resp: 4010  
Ion Ratio Lower Upper  
41 100  
76 280.9 22.2 33.2#  
39 0.0 62.6 93.8#





#22

trans-1,2-Dichloroethene

Concen: 0.325 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

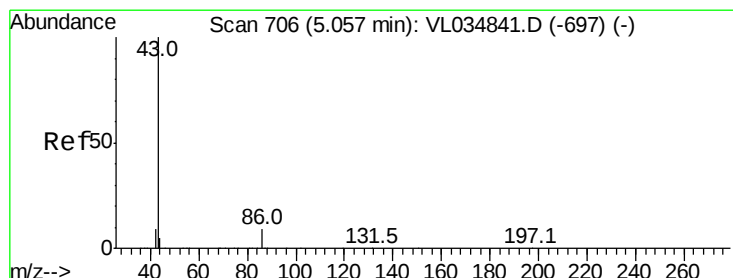
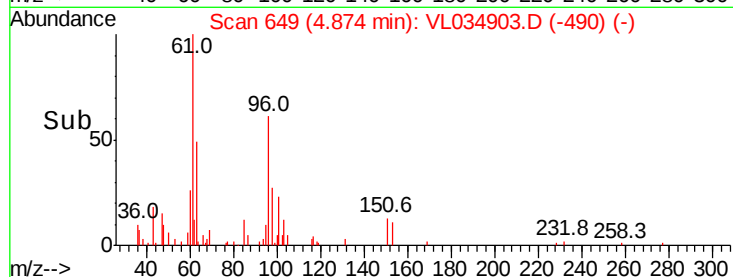
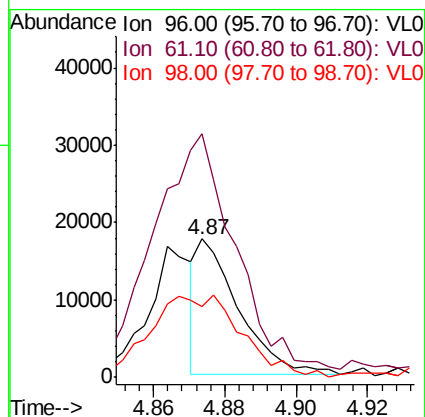
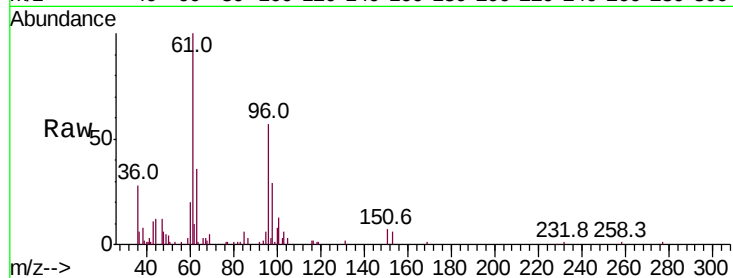
Tot Ion: 96 Resp: 13930

Ion Ratio Lower Upper

96 100

61 172.7 139.0 208.6

98 50.2 50.3 75.5#



#23

Vinyl Acetate

Concen: 0.338 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Tgt Ion: 43 Resp: 60553

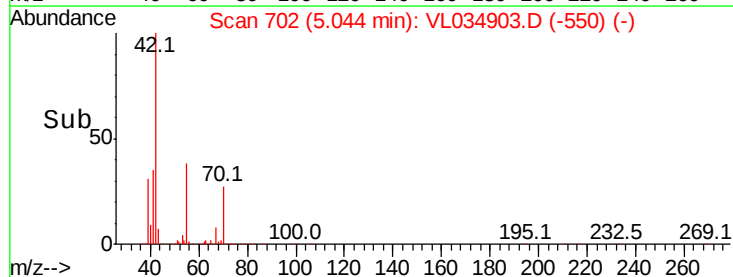
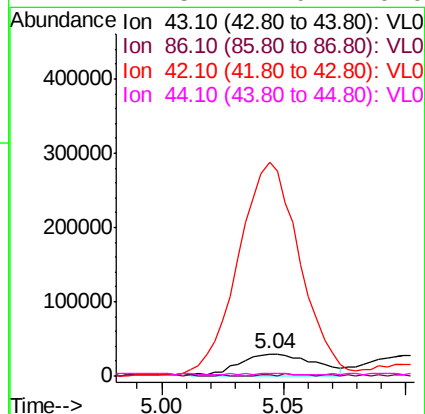
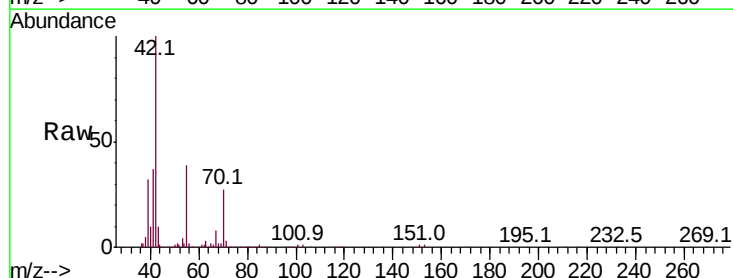
Ion Ratio Lower Upper

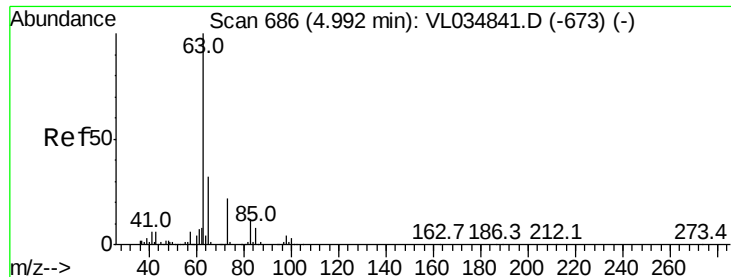
43 100

86 1.0 6.3 9.5#

42 978.1 7.8 11.8#

44 2.5 4.0 6.0#





#24

1,1-Dichloroethane

Concen: 11.644 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampled :

SV-02

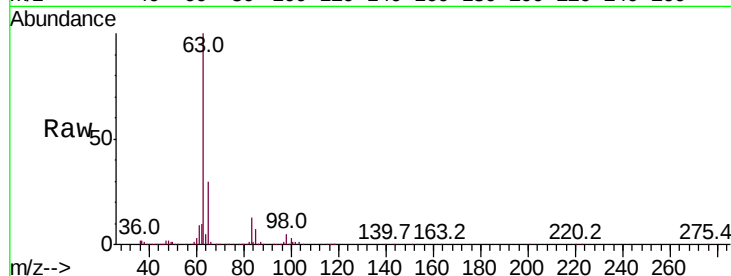
Tot Ion: 63 Resp: 1396481

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

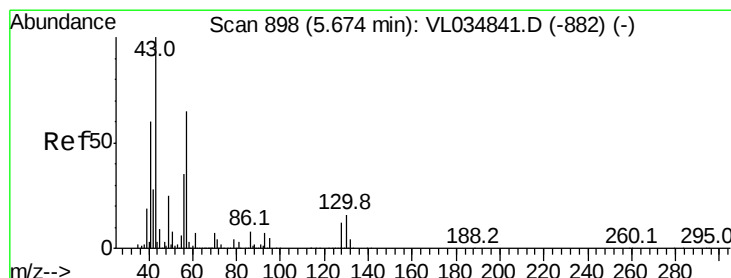
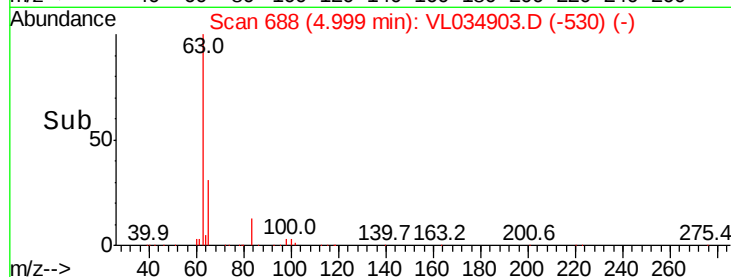
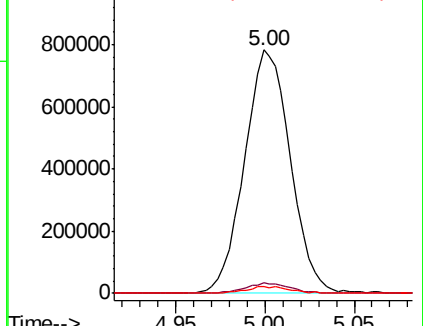
100 2.8 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#26

Hexane

Concen: 0.190 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Tgt Ion: 57 Resp: 17655

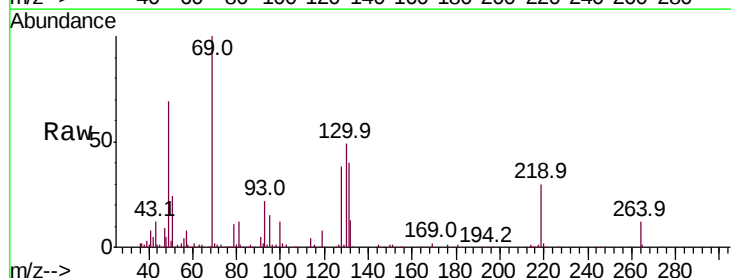
Ion Ratio Lower Upper

57 100

41 0.0 72.6 109.0#

43 0.0 183.8 275.6#

56 0.0 41.9 62.9#

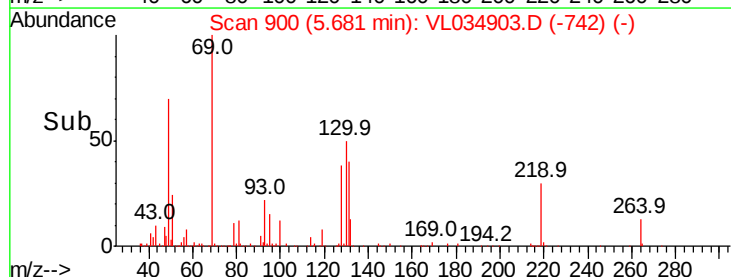
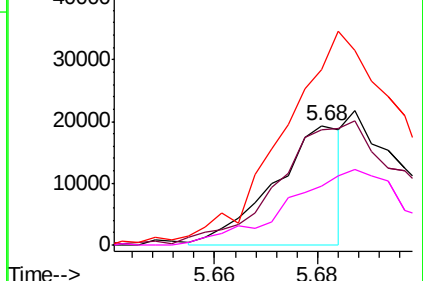


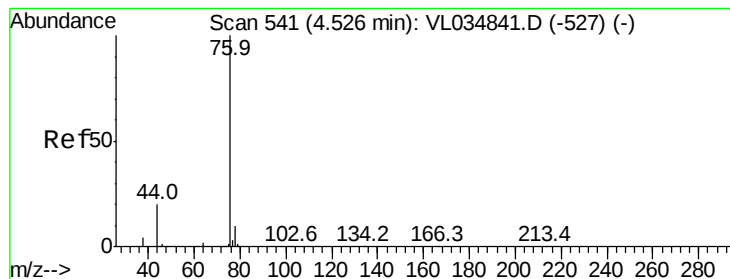
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.561 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

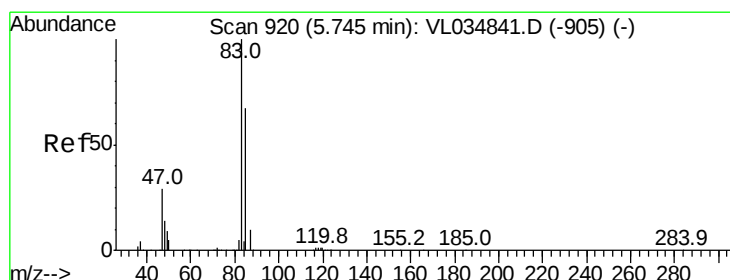
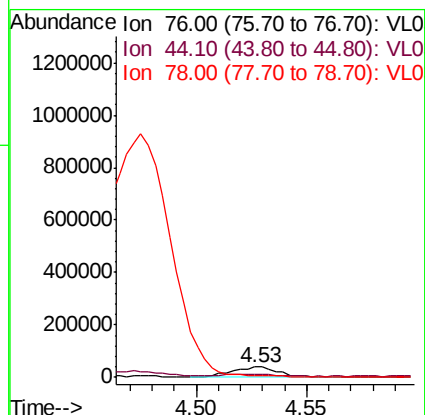
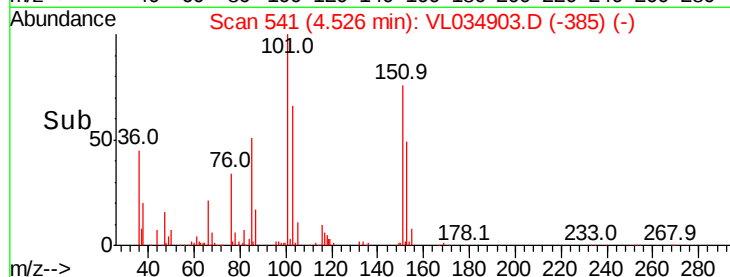
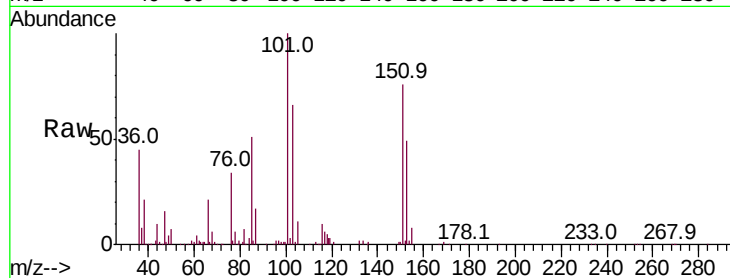
Tot Ion: 76 Resp: 59147

Ion Ratio Lower Upper

76 100

44 28.7 16.2 24.2#

78 0.0 7.8 11.6#



#29

Chloroform

Concen: 17.645 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.01 min

Lab File: VL034903.D

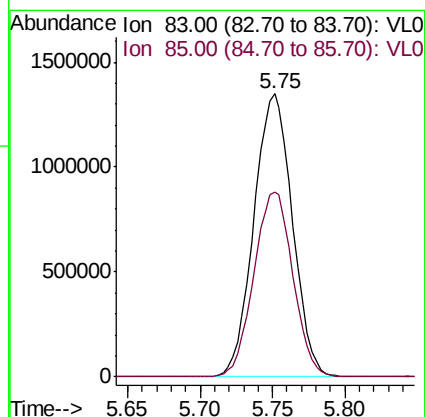
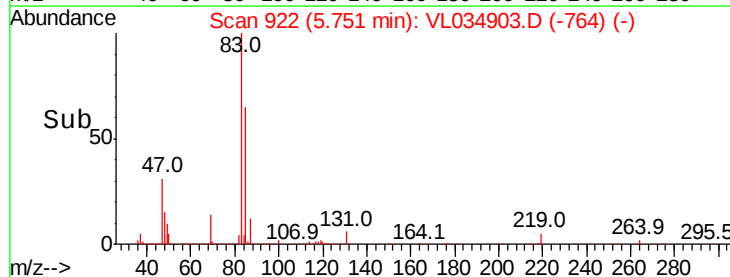
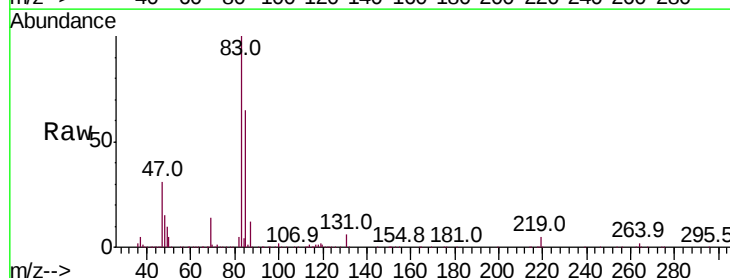
Acq: 16 Mar 2020 23:22

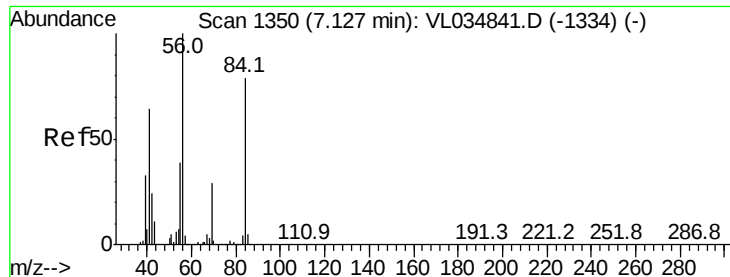
Tgt Ion: 83 Resp: 2501483

Ion Ratio Lower Upper

83 100

85 65.3 53.8 80.6

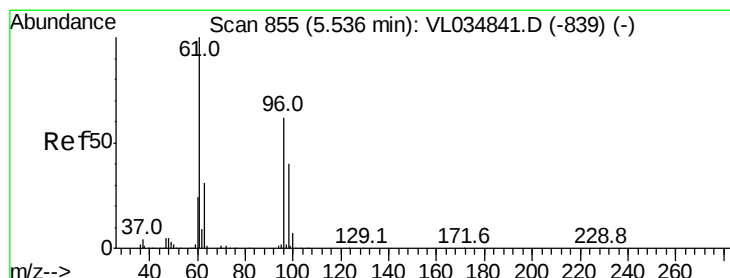
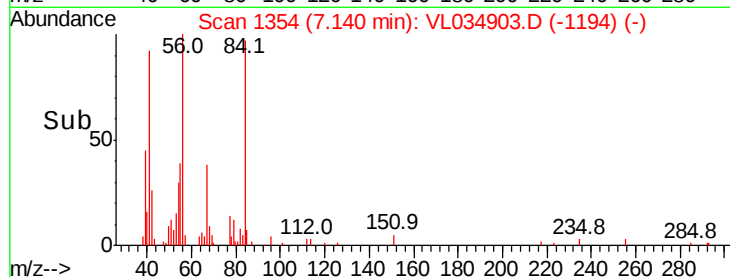
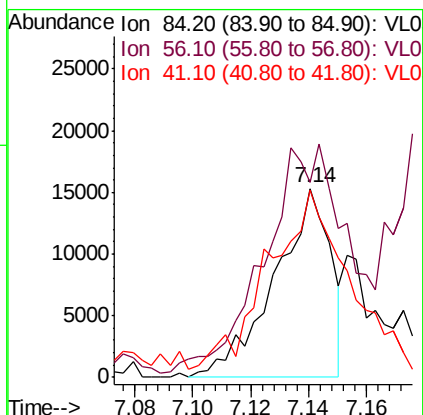
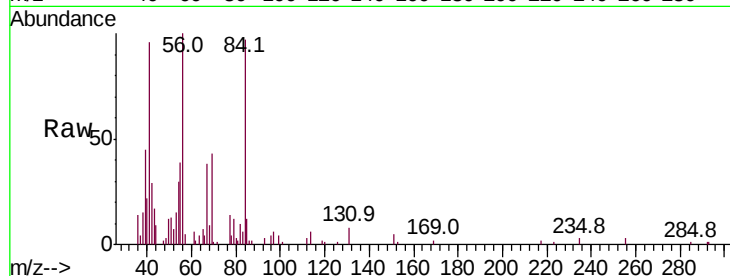




#30  
Cvclohexane  
Concen: 0.265 ppbv  
RT: 7.14 min Scan# 1354  
Delta R.T. 0.01 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

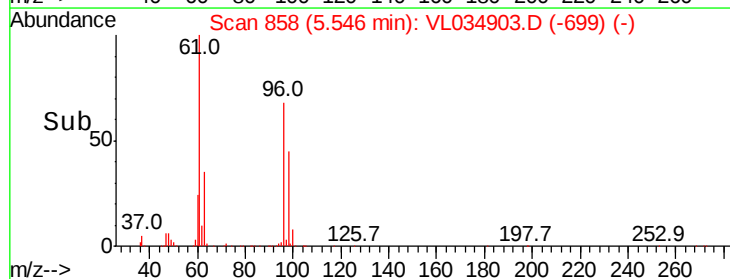
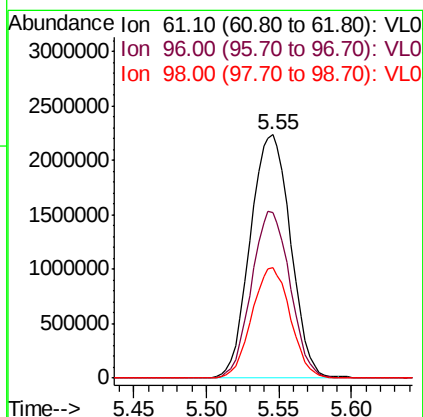
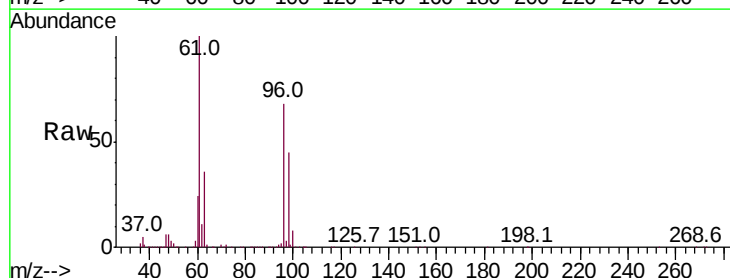
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-02

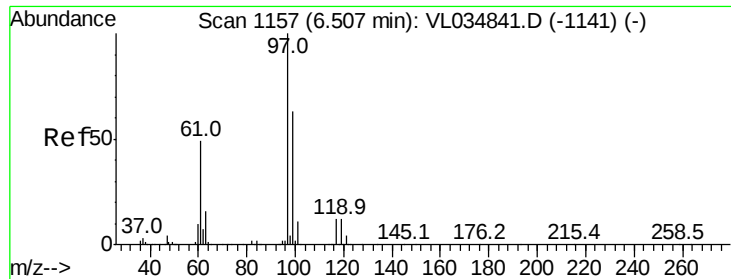
Tot Ion: 84 Resp: 20524  
Ion Ratio Lower Upper  
84 100  
56 164.7 110.5 165.7  
41 0.0 68.2 102.4#



#31  
cis-1,2-Dichloroethene  
Concen: 45.575 ppbv  
RT: 5.55 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

Tgt Ion: 61 Resp: 4330691  
Ion Ratio Lower Upper  
61 100  
96 68.1 49.8 74.8  
98 45.1 32.2 48.4





#32

1,1,1-Trichloroethane

Concen: 74.763 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

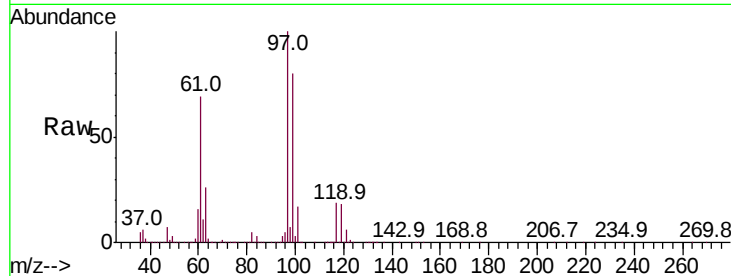
Tot Ion: 97 Resp:10327629

Ion Ratio Lower Upper

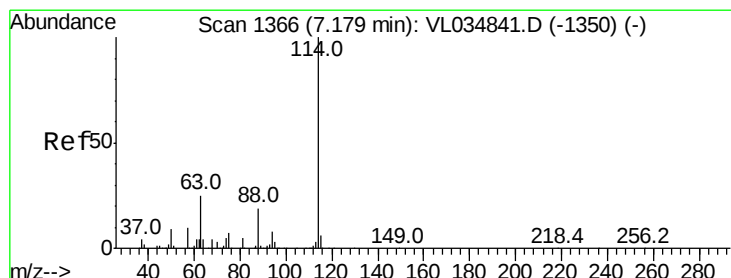
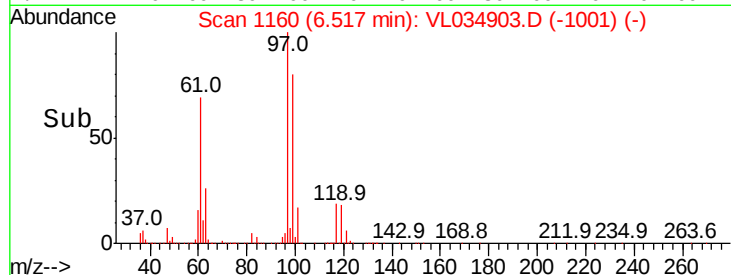
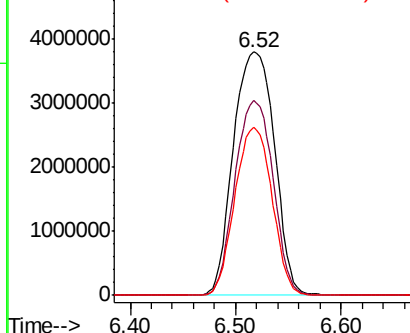
97 100

99 74.4 51.1 76.7

61 62.5 39.7 59.5#



Abundance Ion 97.00 (96.70 to 97.70): VL0  
Ion 99.00 (98.70 to 99.70): VL0  
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

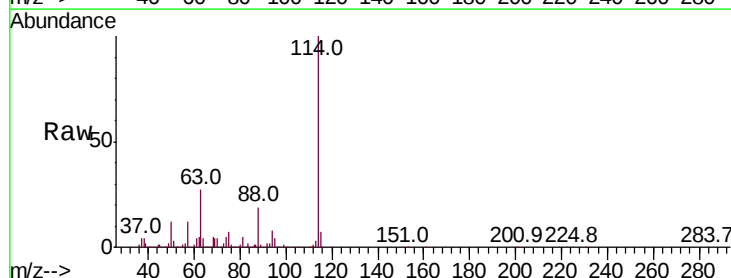
Tgt Ion:114 Resp: 1974001

Ion Ratio Lower Upper

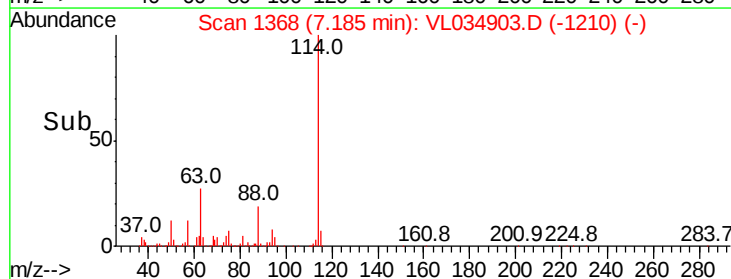
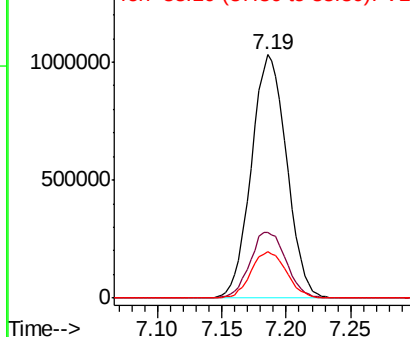
114 100

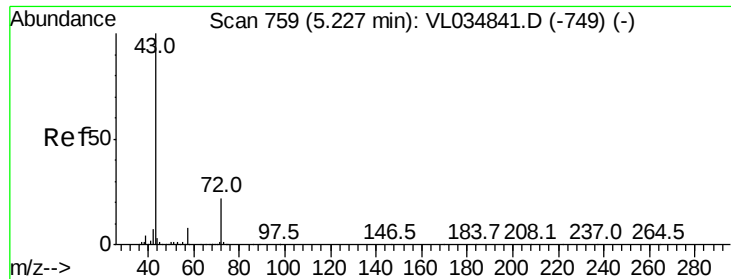
63 27.6 20.6 31.0

88 19.2 15.0 22.6



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

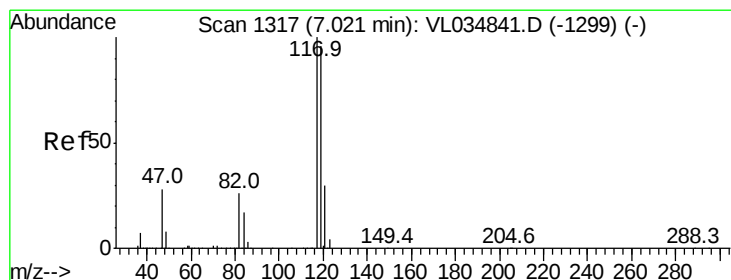
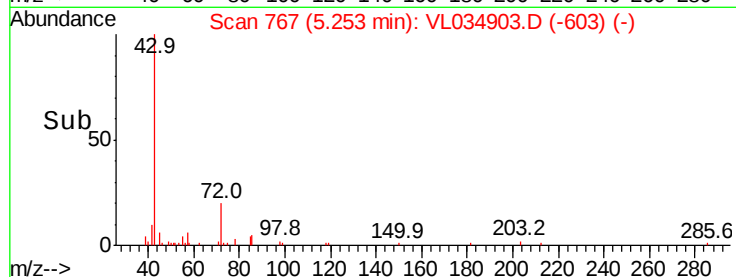
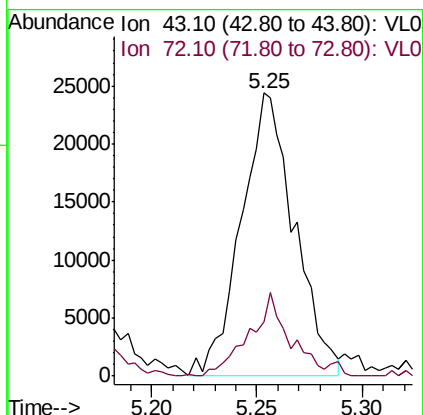
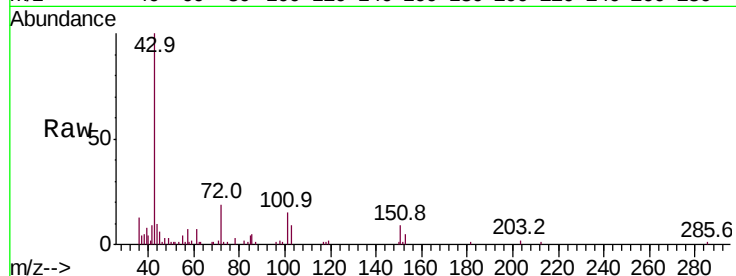




#34  
2-Butanone  
Concen: 0.327 ppbv  
RT: 5.25 min Scan# 767  
Delta R.T. 0.03 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

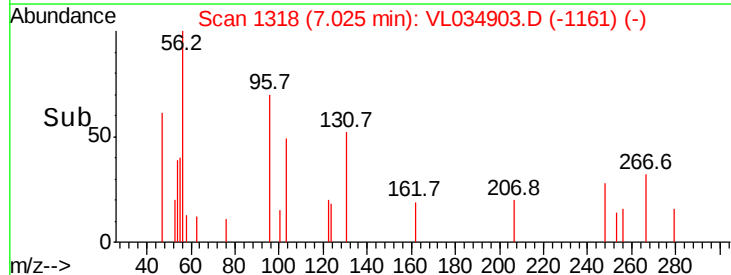
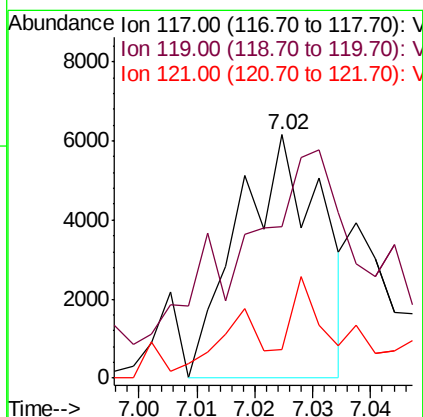
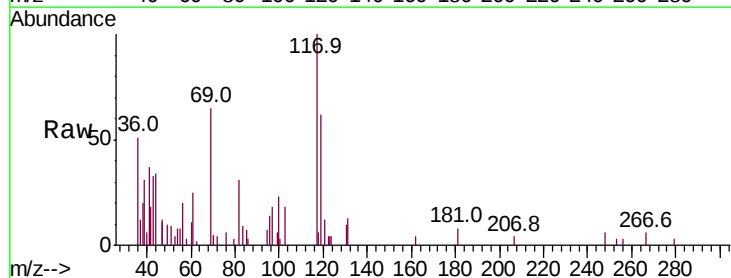
Instrument :  
MSVOA\_L  
ClientSampled :  
SV-02

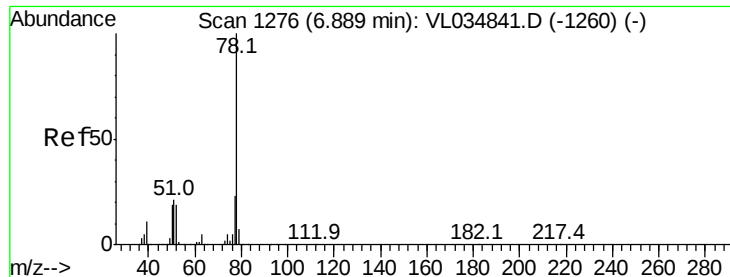
Tot Ion: 43 Resp: 42867  
Ion Ratio Lower Upper  
43 100  
72 23.3 17.6 26.4



#35  
Carbon Tetrachloride  
Concen: 0.050 ppbv  
RT: 7.02 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: VL034903.D  
Acq: 16 Mar 2020 23:22

Tgt Ion: 117 Resp: 6112  
Ion Ratio Lower Upper  
117 100  
119 32.9 77.0 115.4#  
121 5.4 24.0 36.0#





#36

Benzene

Concen: 0.140 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.02 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

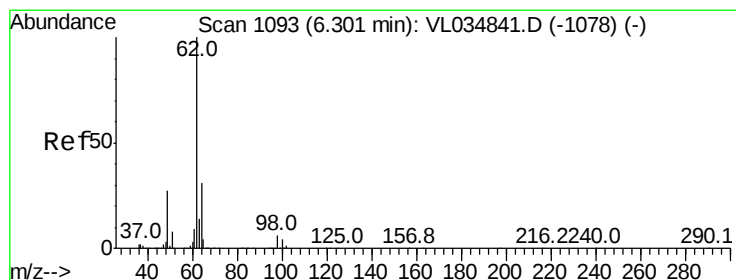
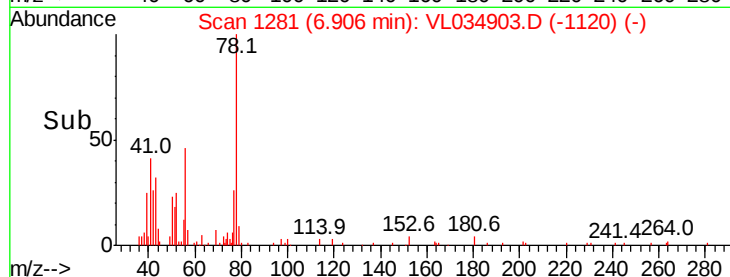
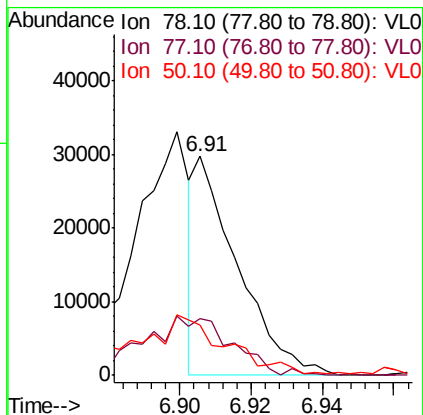
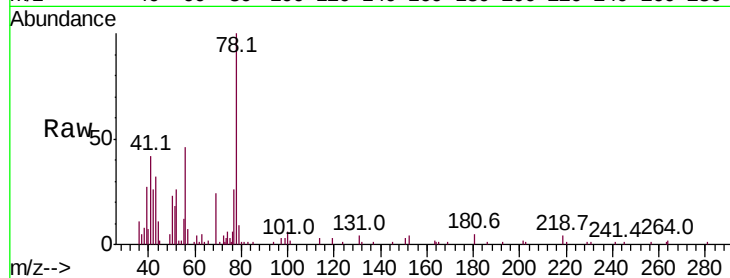
Tot Ion: 78 Resp: 24610

Ion Ratio Lower Upper

78 100

77 25.8 18.2 27.2

50 21.7 15.2 22.8



#37

1,2-Dichloroethane

Concen: 10.317 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.21 min

Lab File: VL034903.D

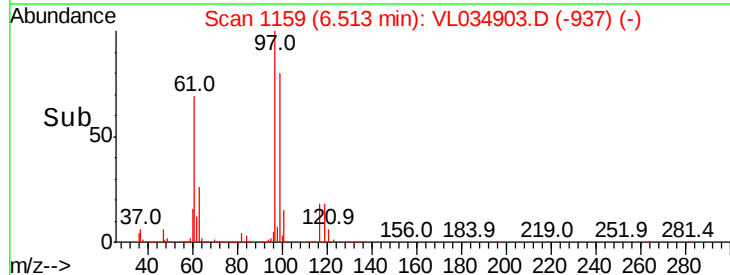
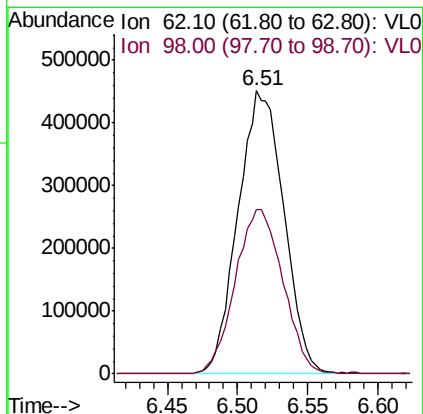
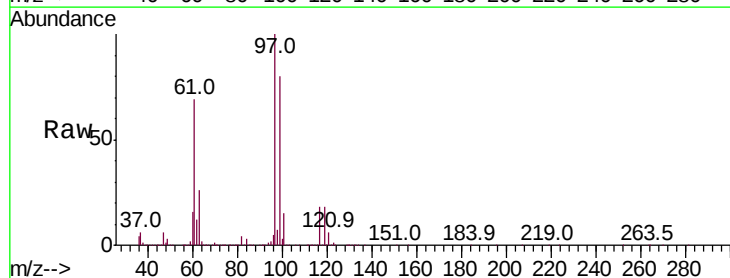
Acq: 16 Mar 2020 23:22

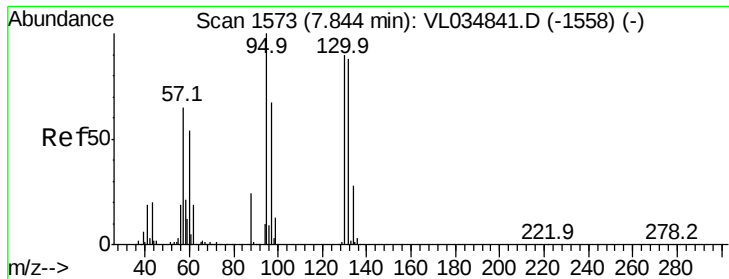
Tgt Ion: 62 Resp: 1023581

Ion Ratio Lower Upper

62 100

98 60.6 5.2 7.8#





#38

Trichloroethene

Concen: 198.129 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

Tot Ion:130 Resp:13239925

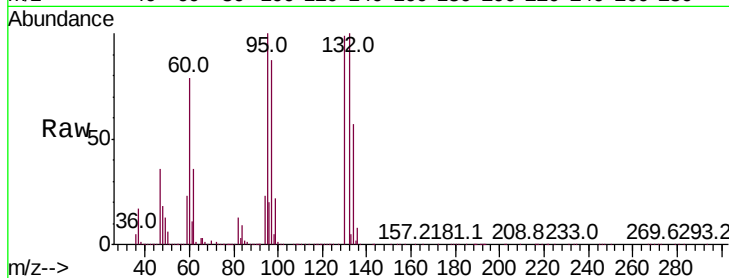
Ion Ratio Lower Upper

130 100

95 101.0 88.5 132.7

132 100.8 78.0 117.0

97 88.3 59.3 88.9

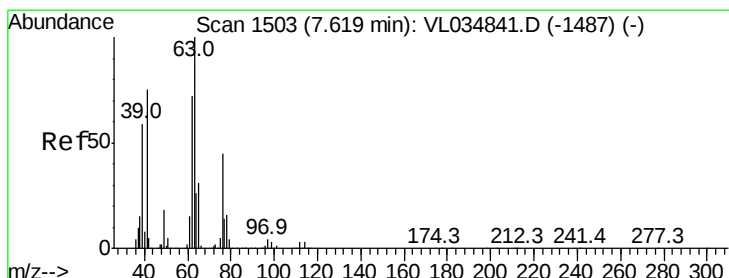
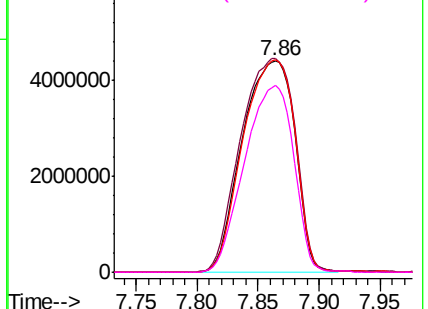
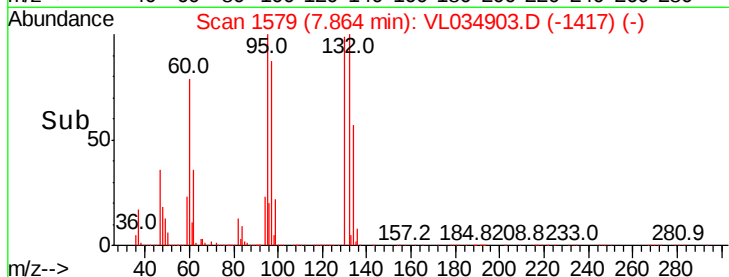


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 1.329 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.24 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

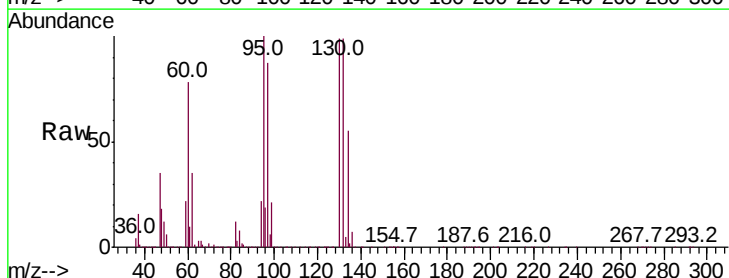
Tgt Ion: 63 Resp: 92661

Ion Ratio Lower Upper

63 100

41 10.9 59.8 89.8#

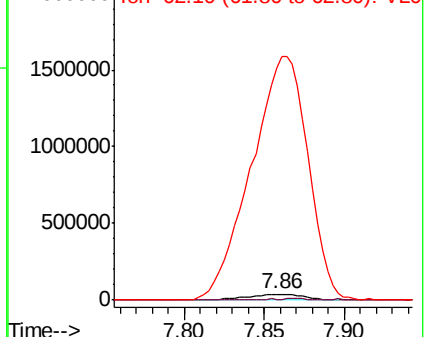
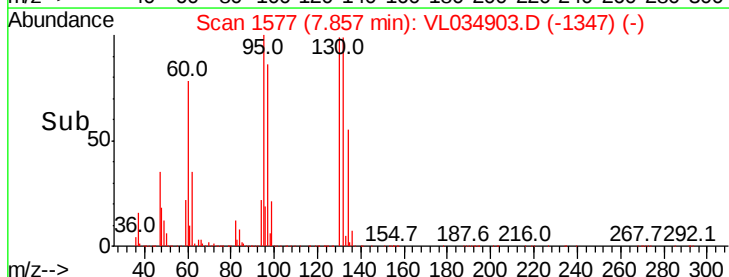
62 3966.4 57.6 86.4#

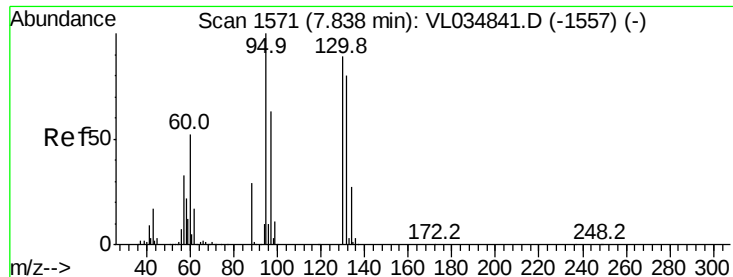


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

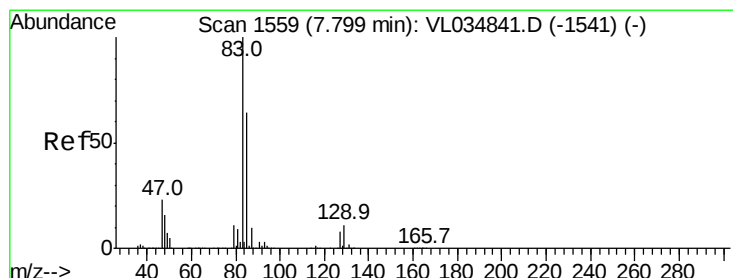
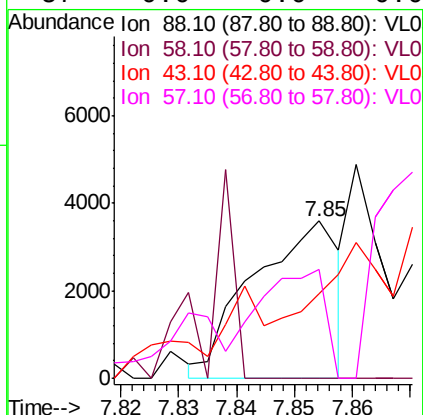
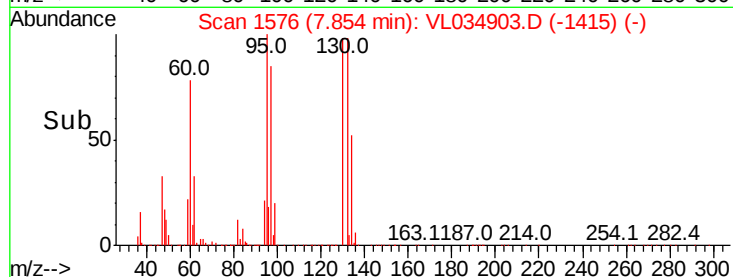
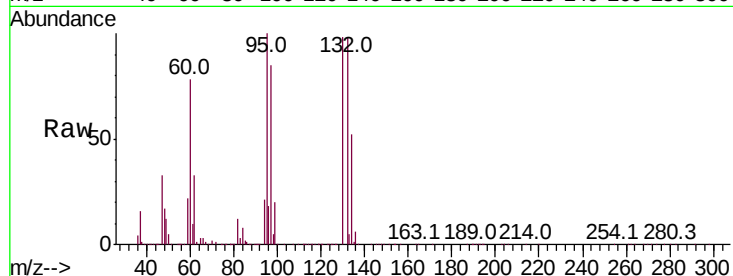




#40  
 1,4-Dioxane  
 Concen: 0.140 ppbv  
 RT: 7.85 min Scan# 1576  
 Delta R.T. 0.02 min  
 Lab File: VL034903.D  
 Acq: 16 Mar 2020 23:22

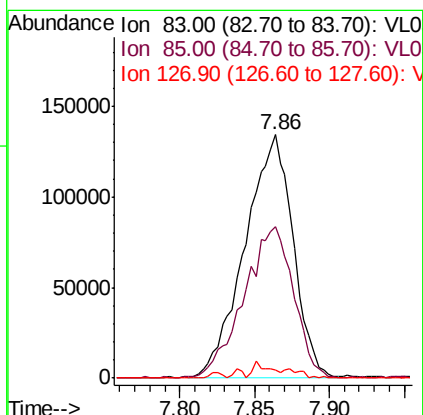
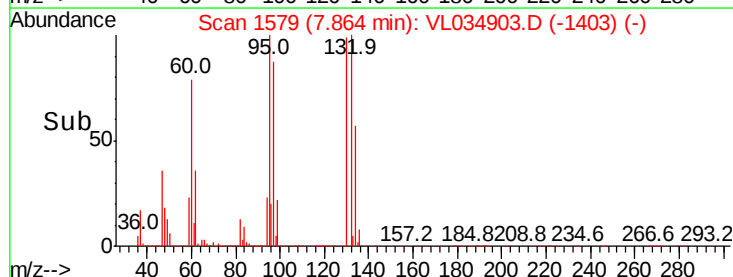
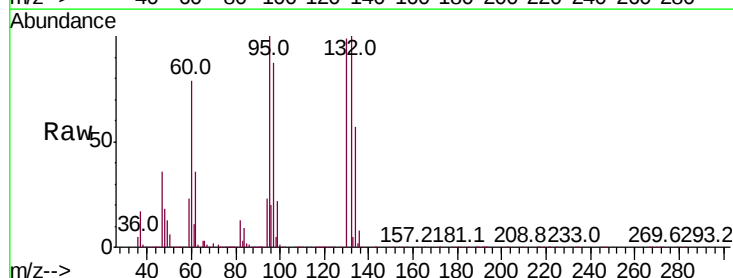
Instrument :  
 MSVOA\_L  
 ClientSampled :  
 SV-02

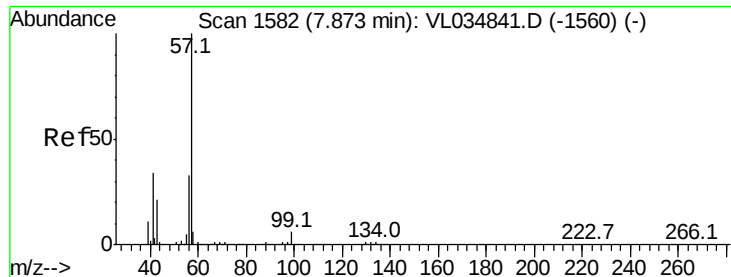
Tot Ion: 88 Resp: 3689  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 103.9 155.9#  
 43 0.0 0.0 0.0  
 57 0.0 0.0 0.0



#42  
 Bromodichloromethane  
 Concen: 2.204 ppbv  
 RT: 7.86 min Scan# 1579  
 Delta R.T. 0.06 min  
 Lab File: VL034903.D  
 Acq: 16 Mar 2020 23:22

Tgt Ion: 83 Resp: 298039  
 Ion Ratio Lower Upper  
 83 100  
 85 61.6 51.4 77.2  
 127 3.4 6.2 9.4#





#44

2,2,4-Trimethylpentane

Concen: 0.059 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.02 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

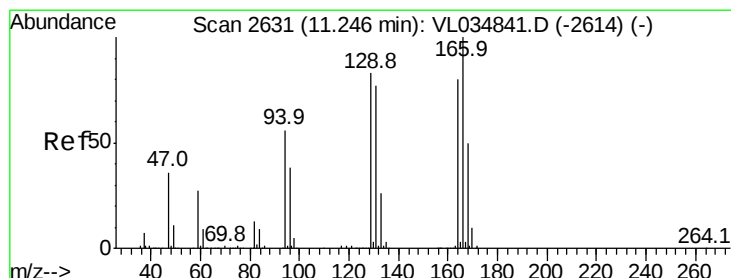
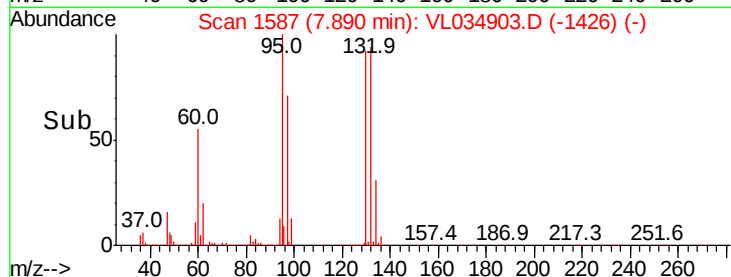
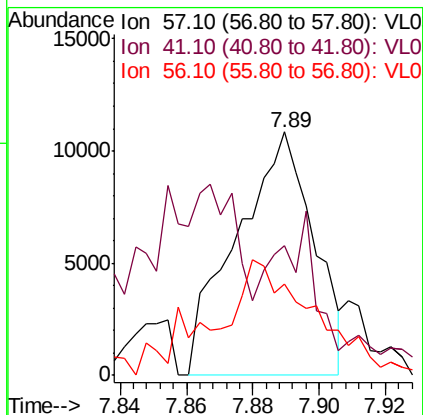
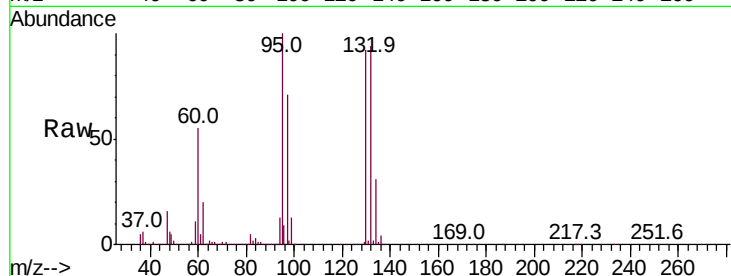
Tot Ion: 57 Resp: 17579

Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.4#

56 63.3 25.0 37.4#



#52

Tetrachloroethene

Concen: 0.261 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Tgt Ion:164 Resp: 18167

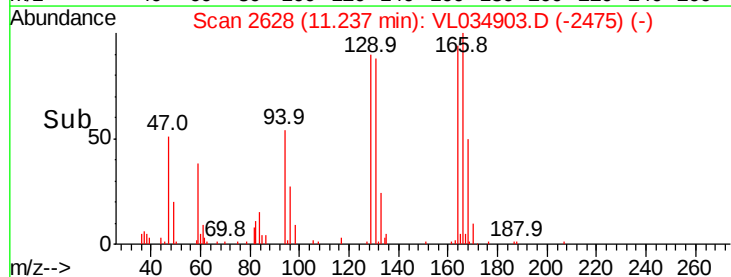
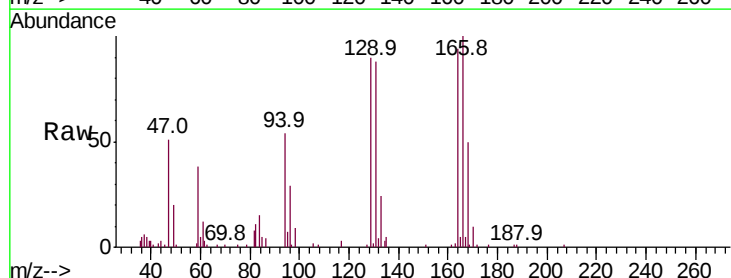
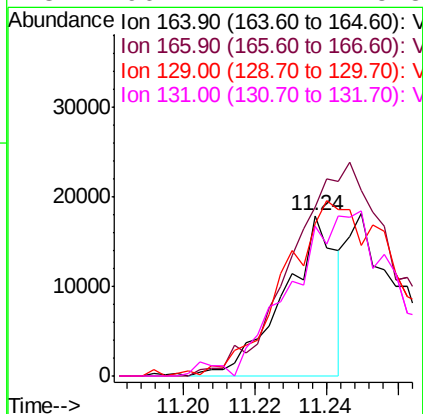
Ion Ratio Lower Upper

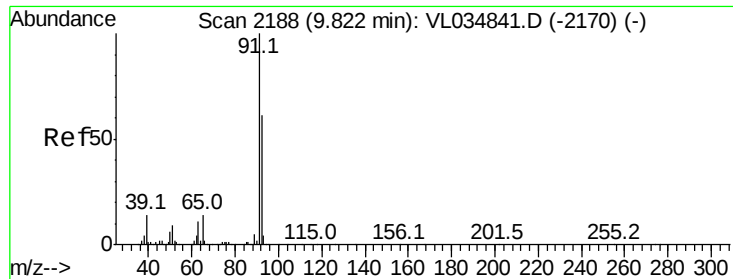
164 100

166 106.0 100.0 150.0

129 93.6 83.1 124.7

131 96.4 77.2 115.8





#53

Toluene

Concen: 0.161 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

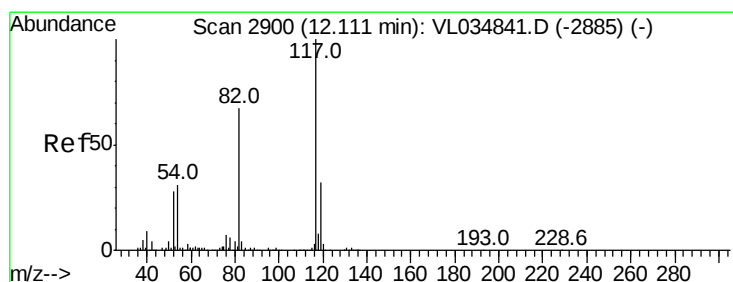
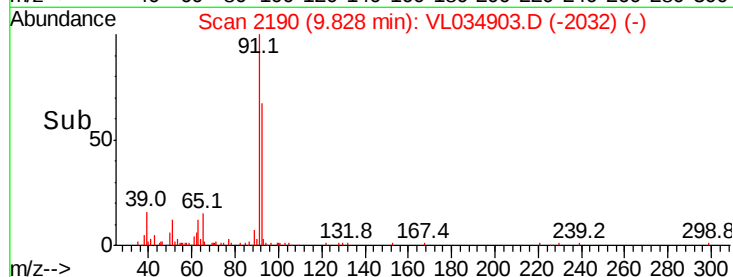
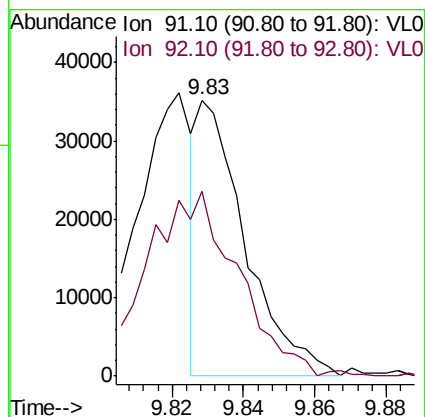
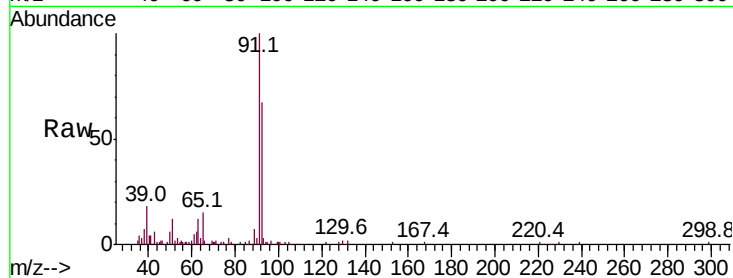
SV-02

Tot Ion: 91 Resp: 32669

Ion Ratio Lower Upper

91 100

92 133.4 48.6 72.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

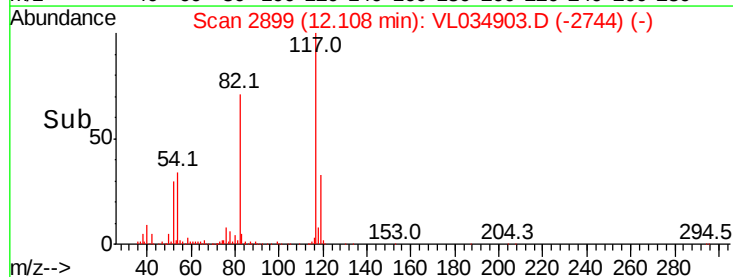
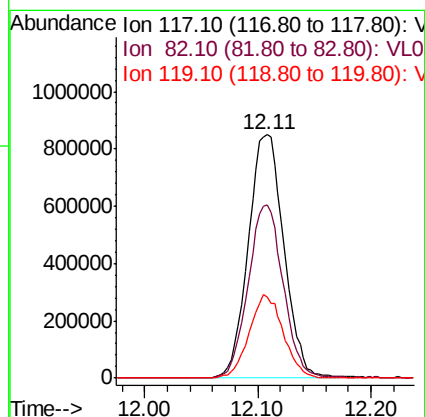
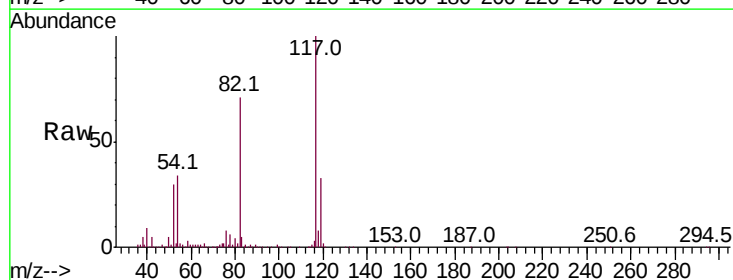
Tgt Ion: 117 Resp: 1863321

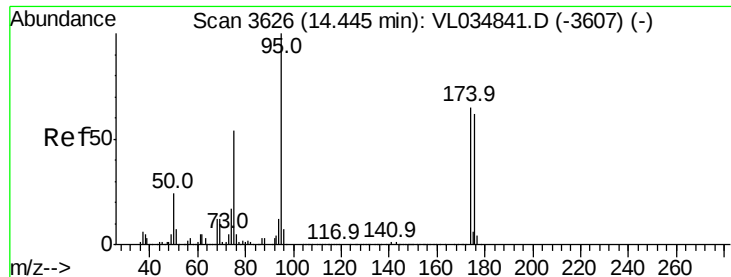
Ion Ratio Lower Upper

117 100

82 70.4 51.1 76.7

119 33.0 27.3 40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.448 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034903.D

Acq: 16 Mar 2020 23:22

Instrument :

MSVOA\_L

ClientSampleId :

SV-02

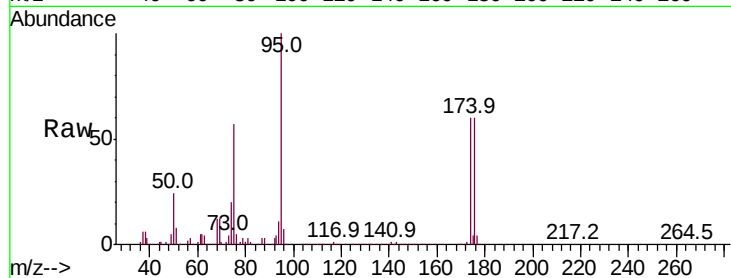
Tot Ion: 95 Resp: 1518292

Ion Ratio Lower Upper

95 100

174 63.9 55.2 82.8

175 4.7 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

