

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\  
 Data File : VL032540.D  
 Acq On : 25 Sep 2018 11:36  
 Operator : SY/AP  
 Sample : J5034-06  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

Manual Integrations  
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 9/26/2018 5:03:59 PM

Quant Time: Sep 25 13:38:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Sep 25 2018  
 QLast Update : Tue Sep 25 05:17:15 2018  
 Response via : Initial Calibration

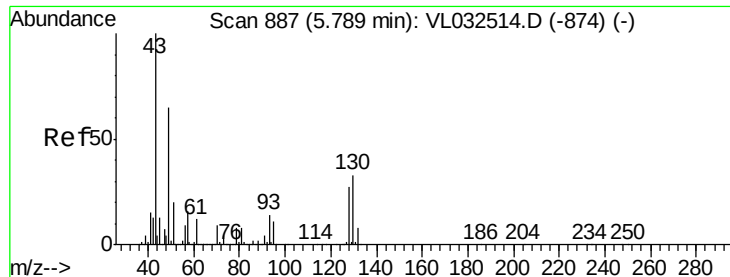
| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.79  | 49   | 1455078  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.33  | 114  | 3166951  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.28 | 117  | 3190789  | 10.00 | ppbv  | -0.02    |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.61  | 95    | 2337145  | 9.71     | ppbv | -0.03  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.10% |

| Target Compounds               | R.T.  | QIon | Response  | Conc    | Units  | Ovalue |
|--------------------------------|-------|------|-----------|---------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.09  | 85   | 33058     | 0.246   | ppbv   | 94     |
| 3) Chlorodifluoromethane       | 3.03  | 51   | 63486m    | 0.525   | ppbv   |        |
| 4) Chloromethane               | 3.19  | 50   | 129802    | 1.840   | ppbv   | 97     |
| 5) Vinyl Chloride              | 3.31  | 62   | 335460    | 4.705   | ppbv   | 98     |
| 7) Chloroethane                | 3.62  | 64   | 100596    | 3.960   | ppbv   | 95     |
| 9) Propene                     | 3.06  | 41   | 106357    | 2.026   | ppbv   | 87     |
| 11) Trichlorofluoromethane     | 4.02  | 101  | 653703    | 4.086   | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.58  | 101  | 590857    | 4.518   | ppbv   | 98     |
| 13) Ethanol                    | 3.68  | 45   | 71201     | 4.512   | ppbv   | 91     |
| 15) Acetone                    | 3.93  | 43   | 1264017   | 9.897   | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.38  | 59   | 31322m    | 1.952   | ppbv   |        |
| 18) 1,1-Dichloroethene         | 4.37  | 96   | 243077    | 3.969   | ppbv   | 97     |
| 19) Isopropyl Alcohol          | 4.06  | 45   | 31052m    | 0.349   | ppbv   |        |
| 20) Methylene Chloride         | 4.43  | 84   | 232813    | 3.764   | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene   | 4.99  | 96   | 101262    | 1.754   | ppbv   | 100    |
| 24) 1,1-Dichloroethane         | 5.12  | 63   | 11628557  | 61.872  | ppbv   | 97     |
| 26) Hexane                     | 5.80  | 57   | 65914     | 0.471   | ppbv # | 40     |
| 27) Carbon Disulfide           | 4.64  | 76   | 47700     | 0.317   | ppbv # | 72     |
| 29) Chloroform                 | 5.88  | 83   | 238297    | 1.109   | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene     | 5.67  | 61   | 9113561   | 68.355  | ppbv   | 90     |
| 32) 1,1,1-Trichloroethane      | 6.66  | 97   | 17801933m | 77.771  | ppbv   |        |
| 34) 2-Butanone                 | 5.38  | 43   | 124510    | 0.660   | ppbv   | 99     |
| 35) Carbon Tetrachloride       | 7.17  | 117  | 17905     | 0.081   | ppbv   | 91     |
| 36) Benzene                    | 7.05  | 78   | 655724    | 2.562   | ppbv   | 100    |
| 38) Trichloroethene            | 8.02  | 130  | 20933339  | 213.683 | ppbv   | 92     |
| 44) 2,2,4-Trimethylpentane     | 8.04  | 57   | 196039    | 0.392   | ppbv # | 82     |
| 47) 1,1,2-Trichloroethane      | 9.65  | 97   | 106932    | 0.835   | ppbv   | 92     |
| 52) Tetrachloroethene          | 11.41 | 164  | 701114    | 7.868   | ppbv   | 98     |
| 53) Toluene                    | 9.99  | 91   | 405428    | 1.300   | ppbv   | 99     |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

SVE-INF3-092018

Tot Ion: 49 Resp: 1455078

Ion Ratio Lower Upper

49 100

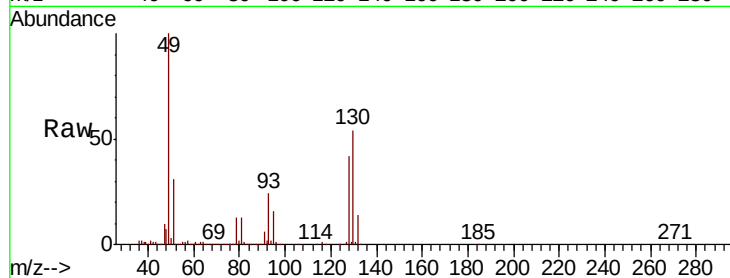
128 42.8 20.7 62.1

130 54.7 26.6 79.7

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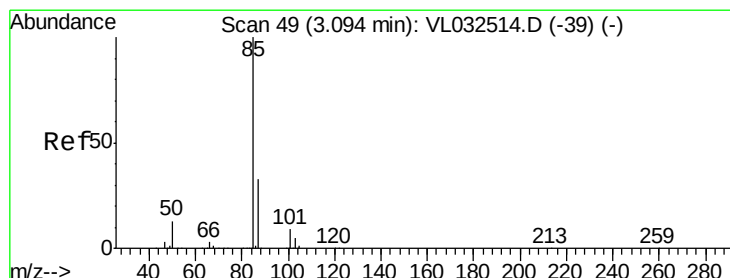
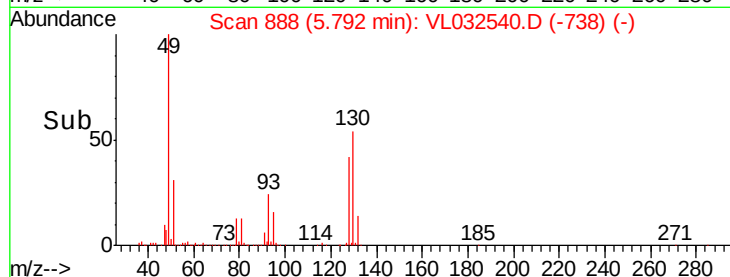
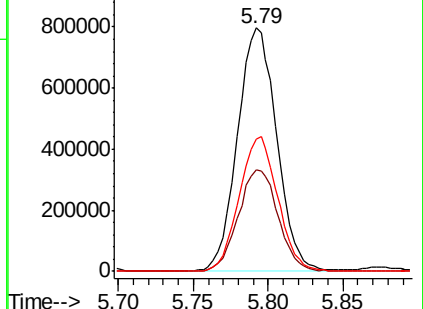
9/26/2018 5:03:59 PM



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: 0.246 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032540.D

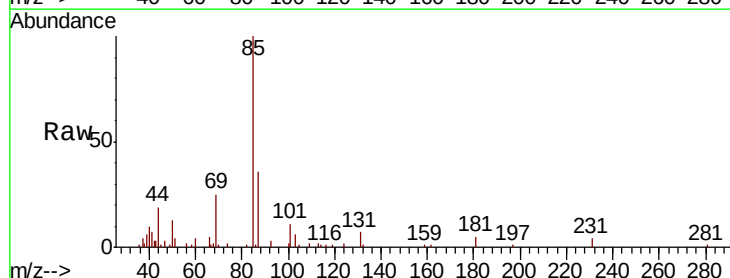
Acq: 25 Sep 2018 11:36

Tgt Ion: 85 Resp: 33058

Ion Ratio Lower Upper

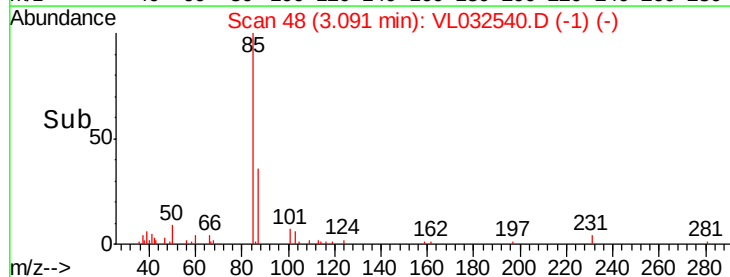
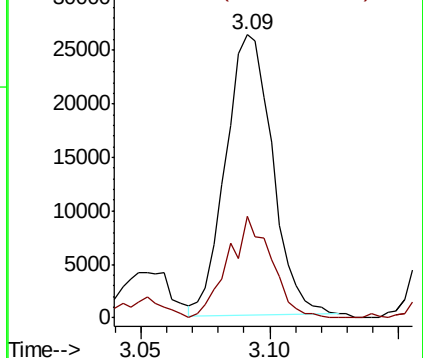
85 100

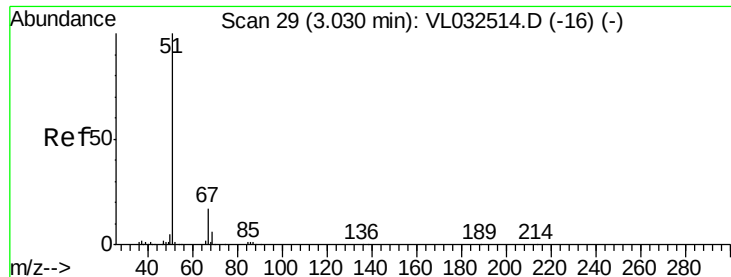
87 36.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.525 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

SVE-INF3-092018

Tot Ion: 51 Resp: 63486

Ion Ratio Lower Upper

51 100

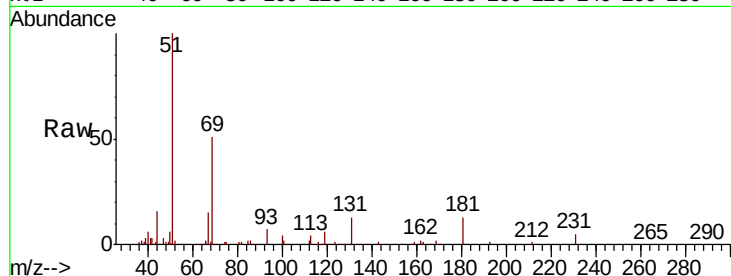
67 16.2 13.8 20.8

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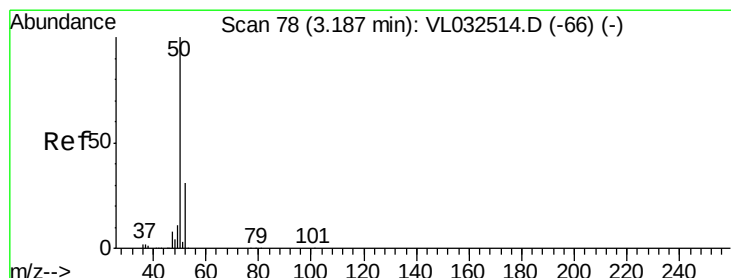
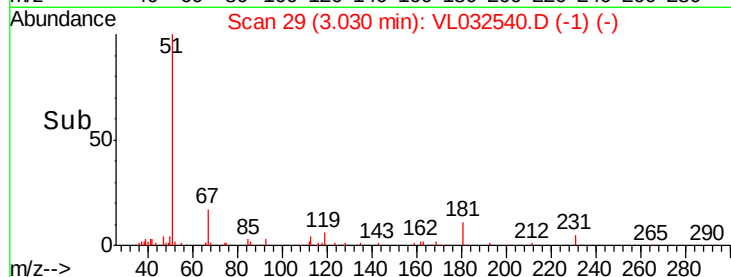
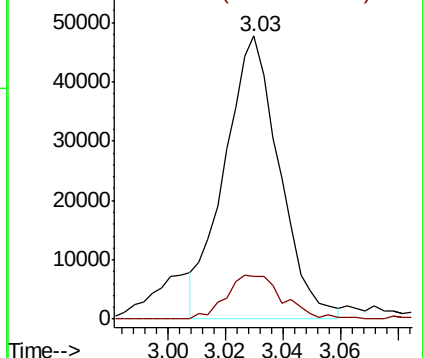
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.840 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032540.D

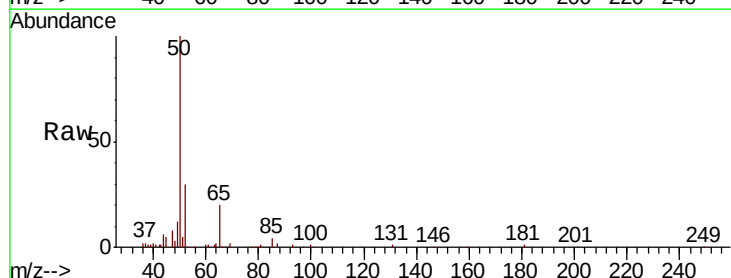
Acq: 25 Sep 2018 11:36

Tgt Ion: 50 Resp: 129802

Ion Ratio Lower Upper

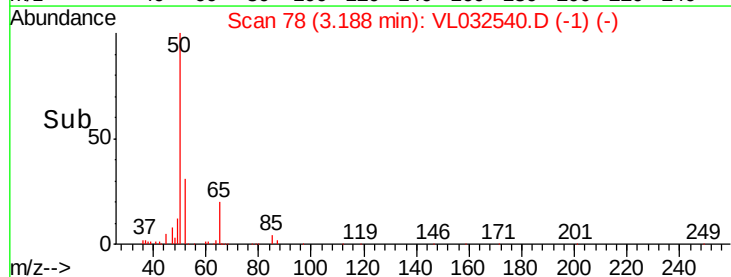
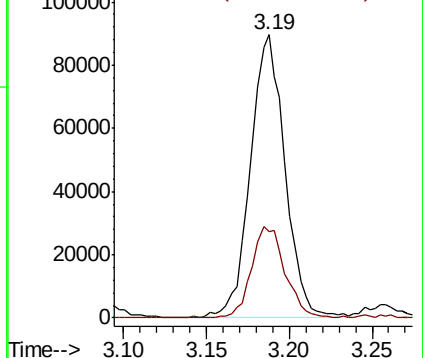
50 100

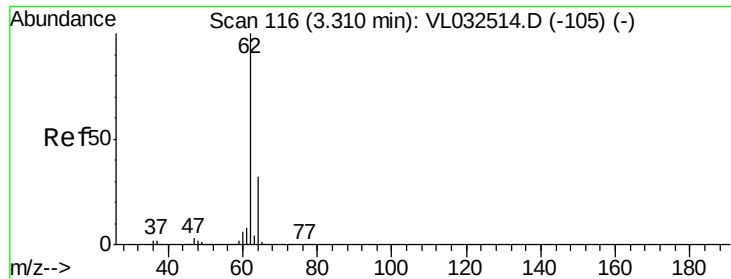
52 30.3 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 4.705 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

SVE-INF3-092018

Tot Ion: 62 Resp: 335460

Ion Ratio Lower Upper

62 100

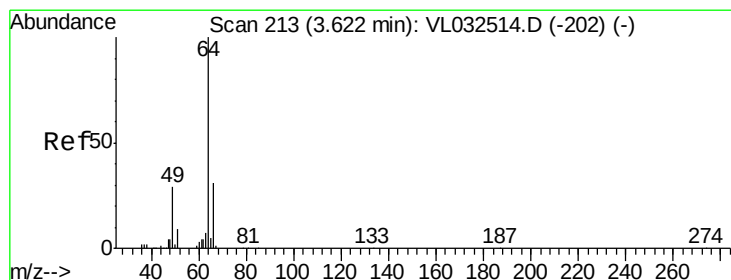
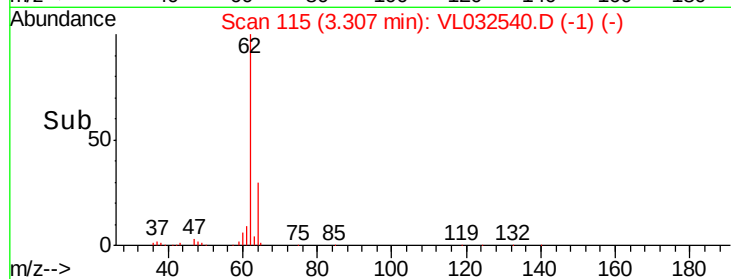
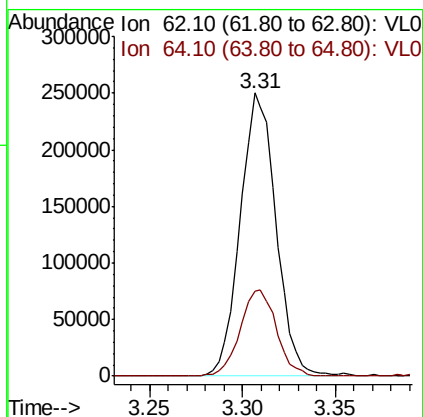
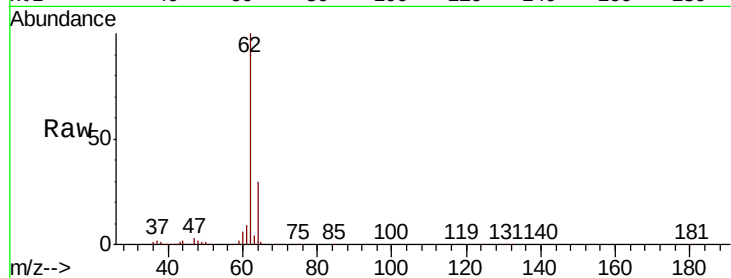
64 29.9 25.0 37.6

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#7

Chloroethane

Concen: 3.960 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032540.D

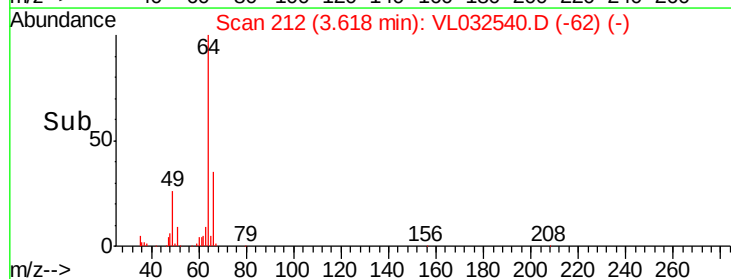
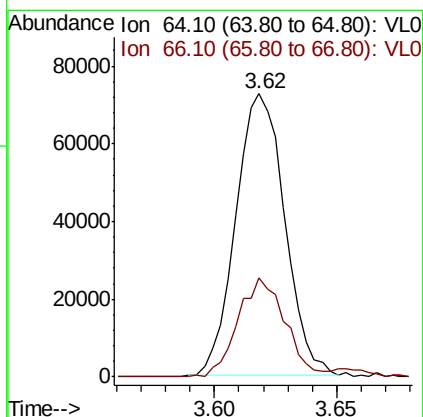
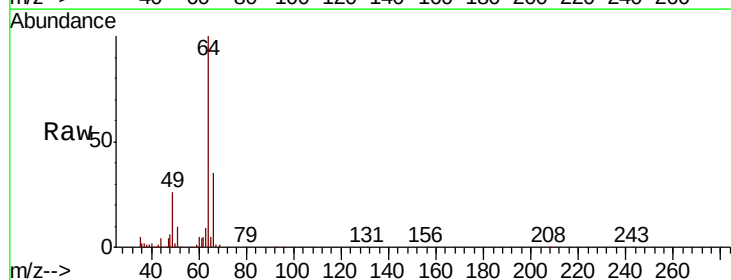
Acq: 25 Sep 2018 11:36

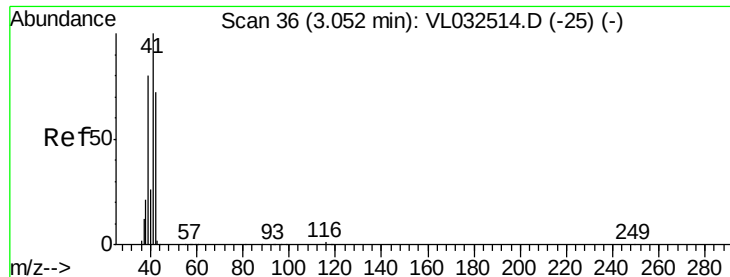
Tgt Ion: 64 Resp: 100596

Ion Ratio Lower Upper

64 100

66 35.2 25.8 38.6





#9

Propene

Concen: 2.026 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

SVE-INF3-092018

Tot Ion: 41 Resp: 106357

Ion Ratio Lower Upper

41 100

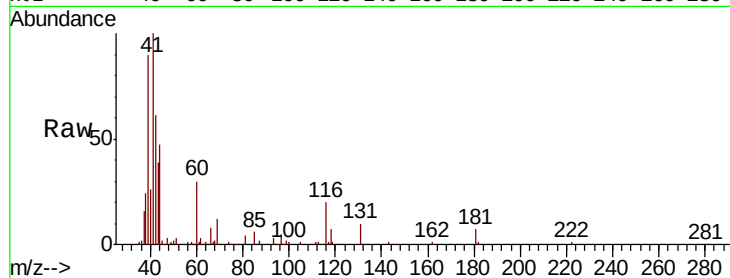
42 60.2 56.6 84.8

Manual Integrations

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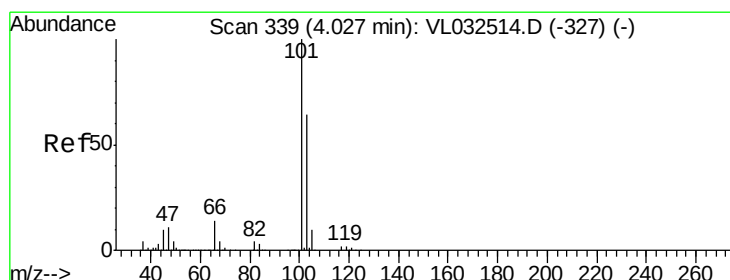
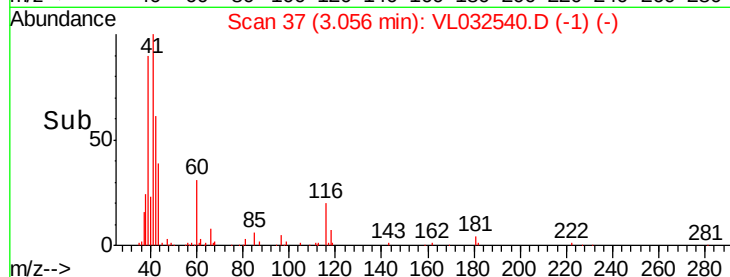
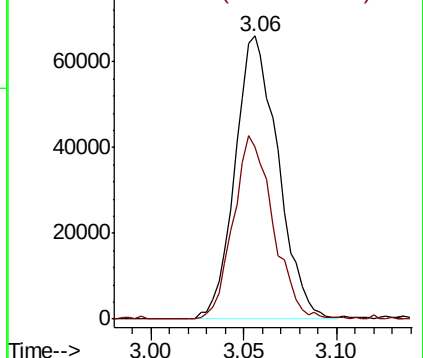
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 4.086 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032540.D

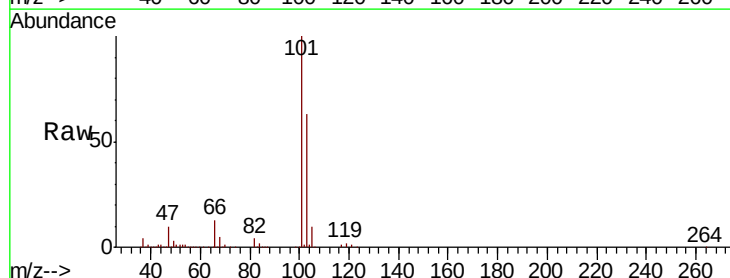
Acq: 25 Sep 2018 11:36

Tgt Ion: 101 Resp: 653703

Ion Ratio Lower Upper

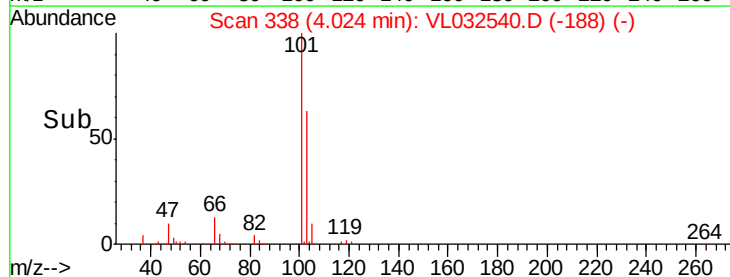
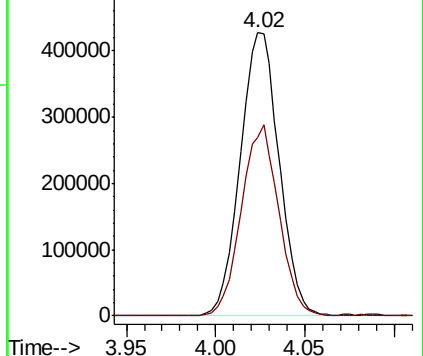
101 100

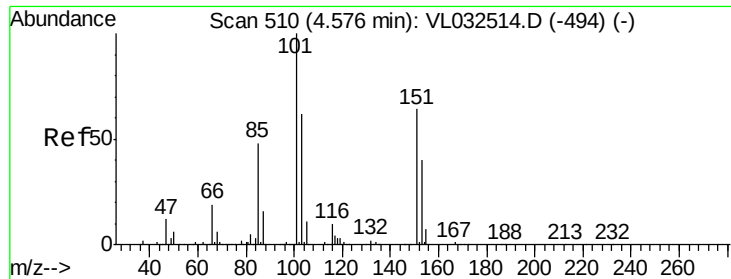
103 63.2 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 4.518 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

SVE-INF3-092018

Tot Ion:101 Resp: 590857

Ion Ratio Lower Upper

101 100

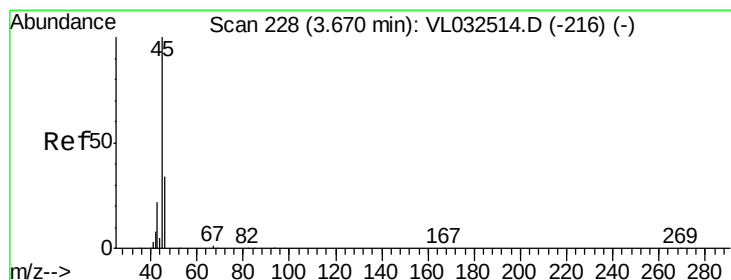
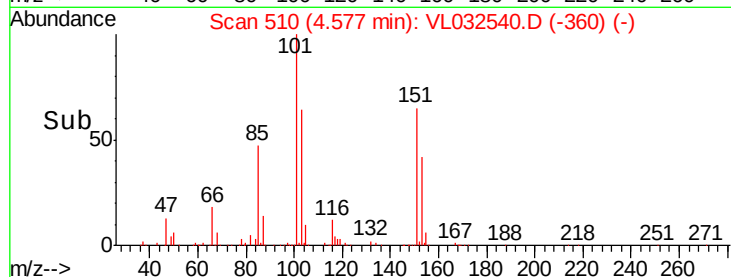
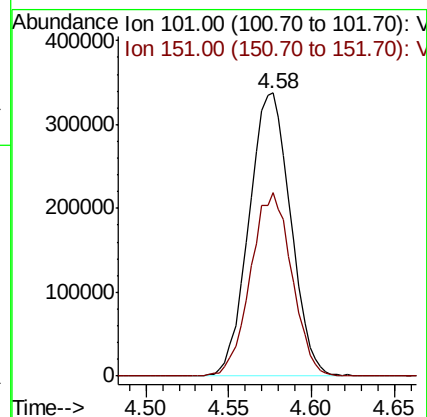
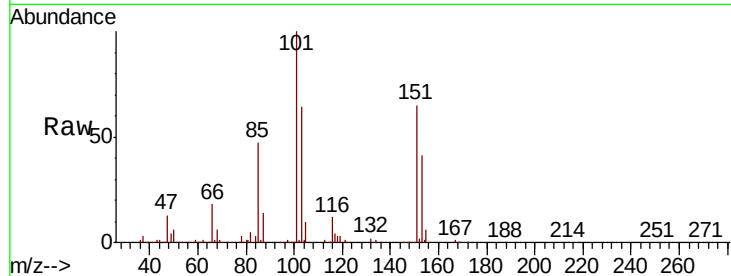
151 64.2 52.6 78.8

Manual Integrations

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#13

Ethanol

Concen: 4.512 ppbv

RT: 3.68 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL032540.D

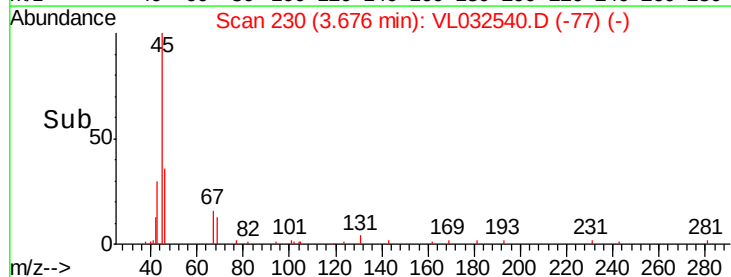
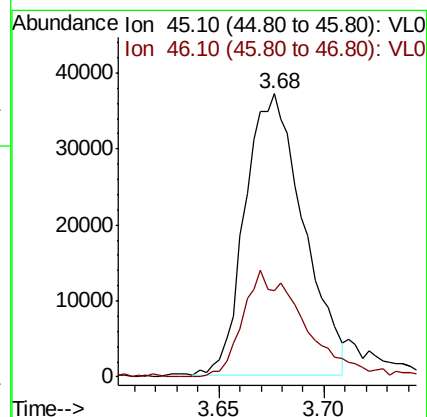
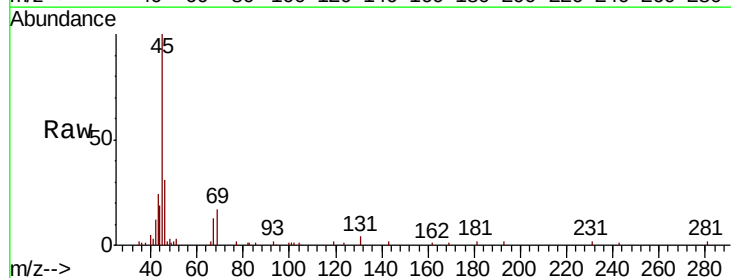
Acq: 25 Sep 2018 11:36

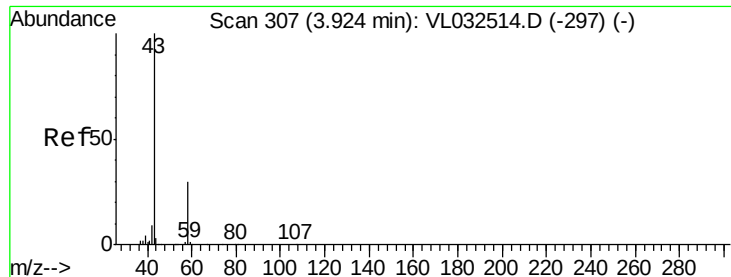
Tgt Ion: 45 Resp: 71201

Ion Ratio Lower Upper

45 100

46 40.9 14.2 56.8





#15

Acetone

Concen: 9.897 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

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Tot Ion: 43 Resp: 1264017

Ion Ratio Lower Upper

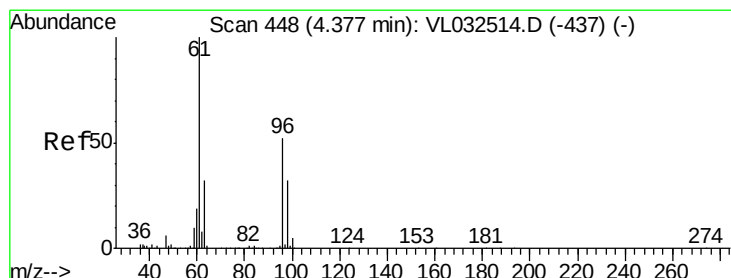
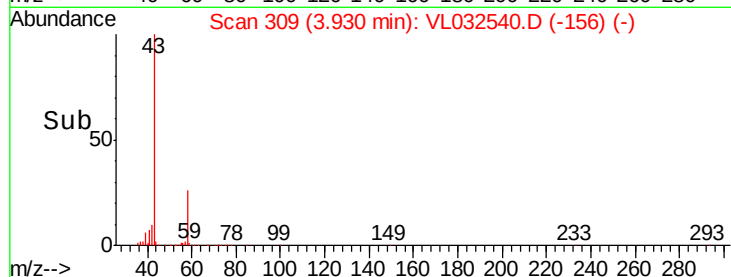
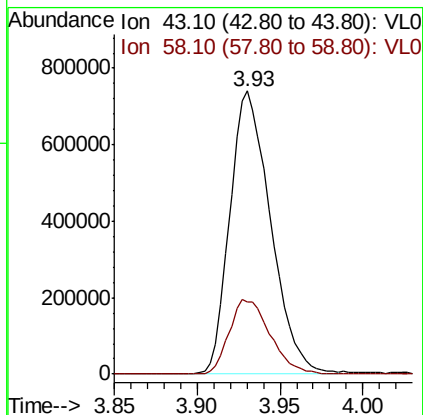
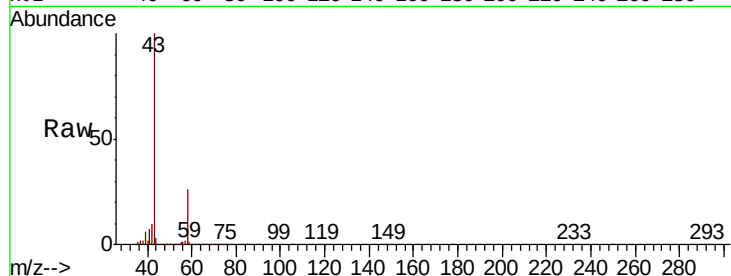
43 100

58 26.7 22.6 33.8

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#17

tert-Butyl alcohol

Concen: 1.952 ppbv m

RT: 4.38 min Scan# 448

Delta R.T. -0.03 min

Lab File: VL032540.D

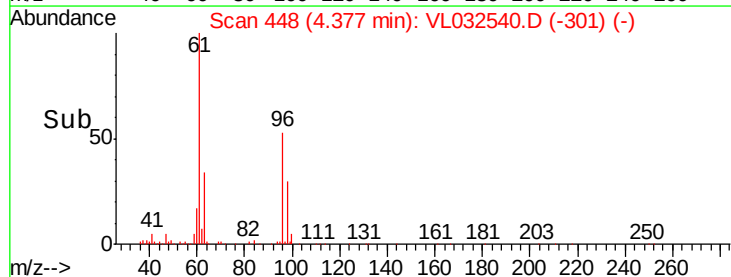
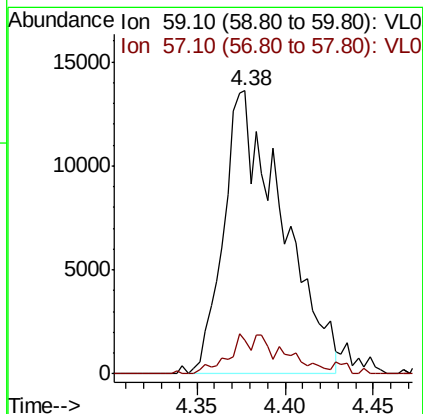
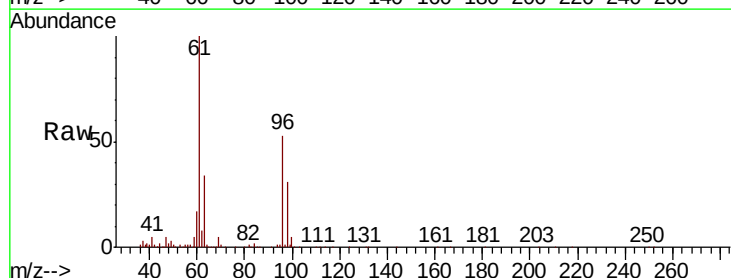
Acq: 25 Sep 2018 11:36

Tgt Ion: 59 Resp: 31322

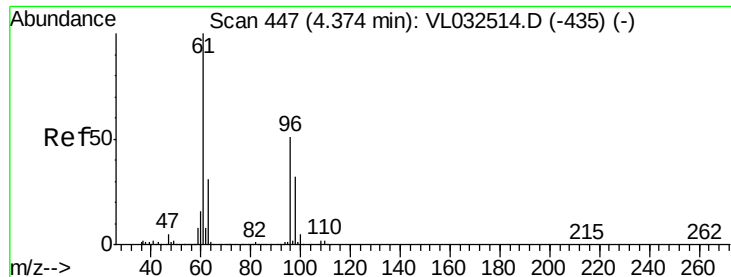
Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0







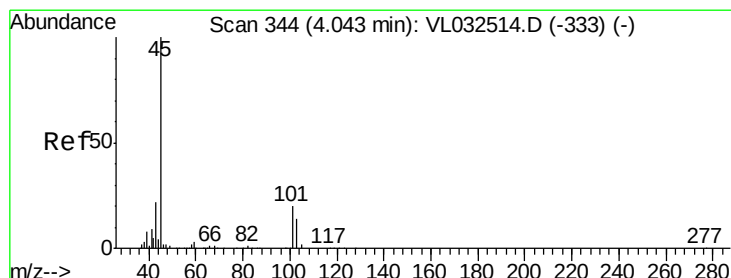
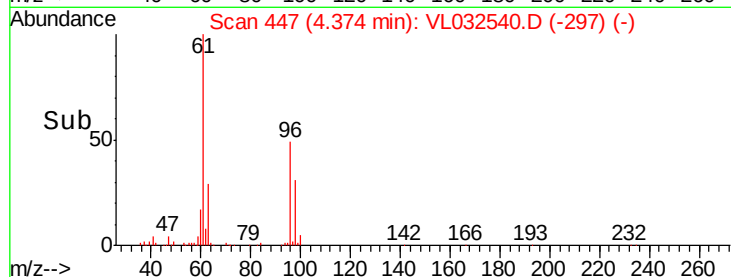
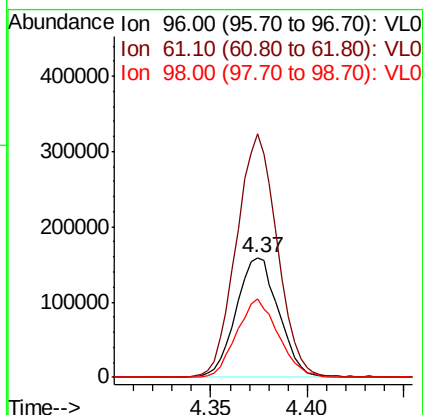
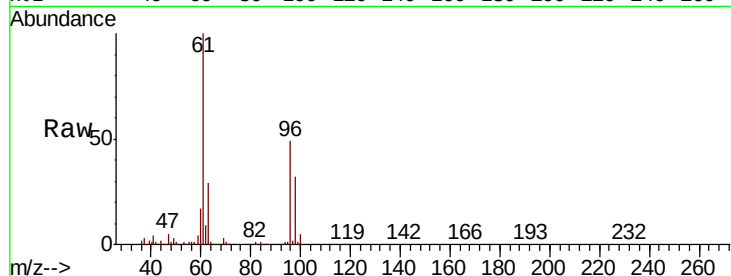
#18  
 1,1-Dichloroethene  
 Concen: 3.969 ppbv  
 RT: 4.37 min Scan# 447  
 Delta R.T. -0.02 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 203.2 | 159.2 | 238.8 |
| 98      | 65.4  | 51.0  | 76.4  |

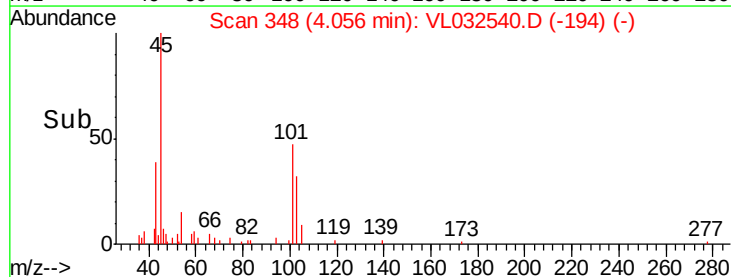
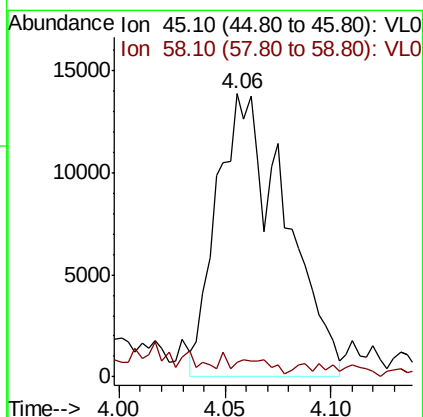
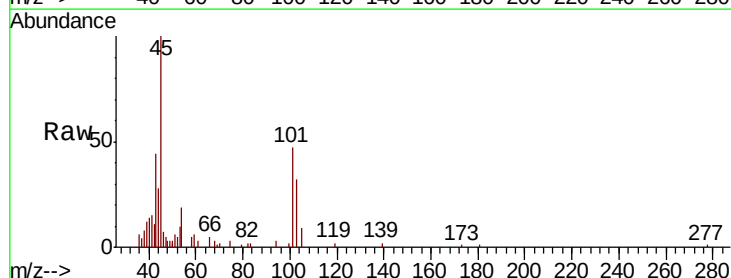
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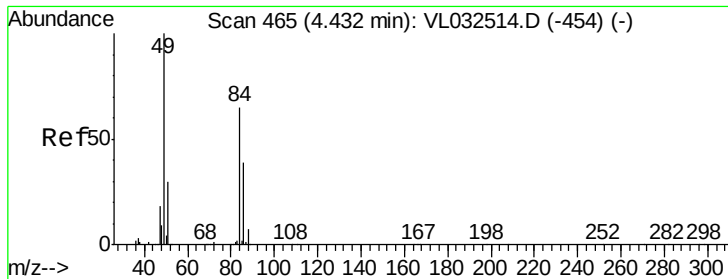
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#19  
 Isopropyl Alcohol  
 Concen: 0.349 ppbv m  
 RT: 4.06 min Scan# 348  
 Delta R.T. -0.01 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 58      | 0.0   | 2.0   | 3.0#  |





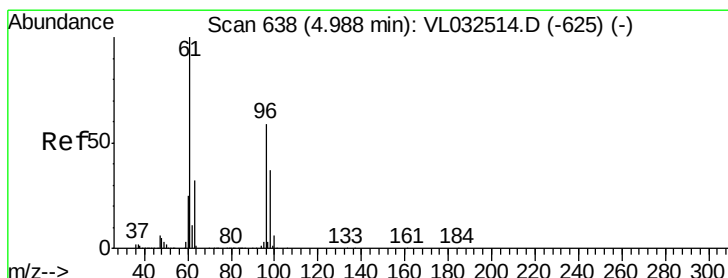
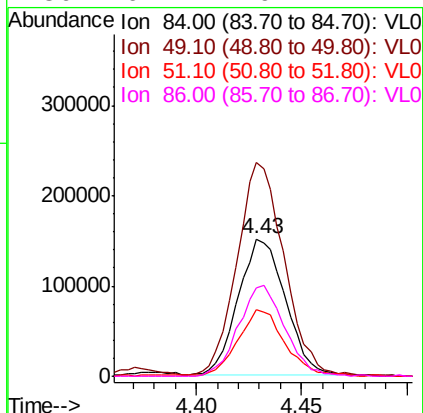
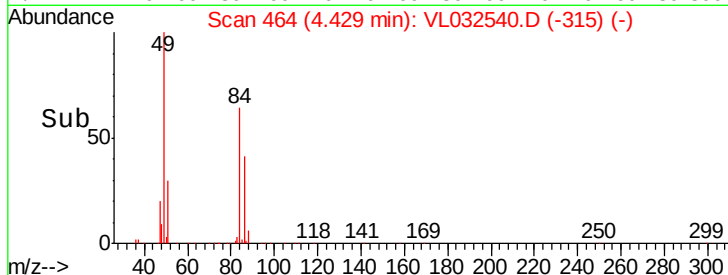
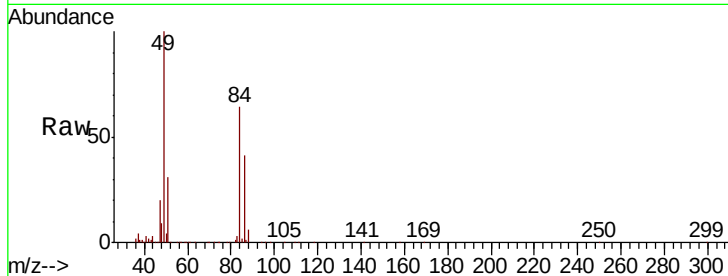
#20  
Methylene Chloride  
Concen: 3.764 ppbv  
RT: 4.43 min Scan# 464  
Delta R.T. -0.02 min  
Lab File: VL032540.D  
Acq: 25 Sep 2018 11:36

Instrument :  
MSVOA\_L  
ClientSampleId :  
SVE-INF3-092018

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 232813 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 156.5 | 119.1 | 178.7  |
| 51       | 48.0  | 35.2  | 52.8   |
| 86       | 64.7  | 49.4  | 74.2   |

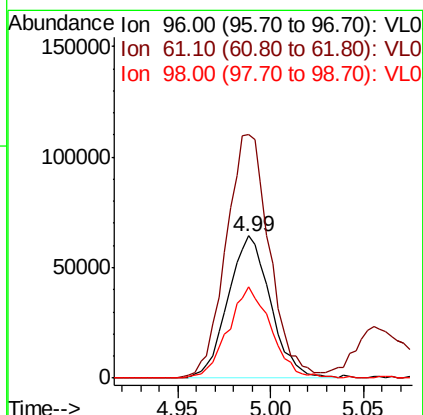
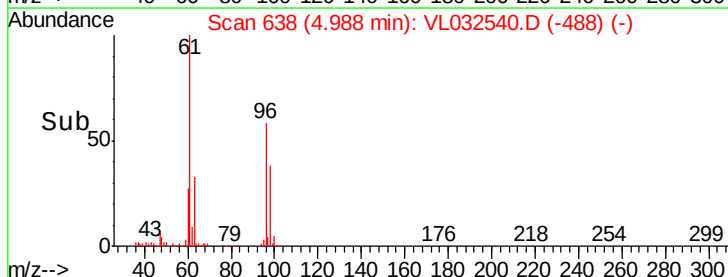
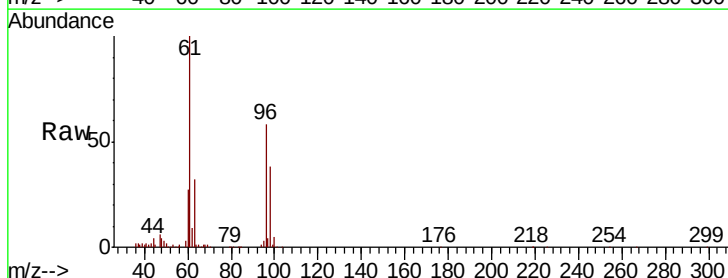
Manual Integrations  
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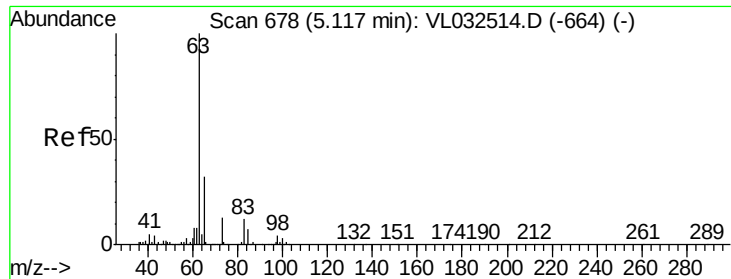
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#22  
trans-1,2-Dichloroethene  
Concen: 1.754 ppbv  
RT: 4.99 min Scan# 638  
Delta R.T. -0.02 min  
Lab File: VL032540.D  
Acq: 25 Sep 2018 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 101262 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 170.3 | 136.2 | 204.4  |
| 98       | 64.0  | 50.4  | 75.6   |





#24

1,1-Dichloroethane

Concen: 61.872 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

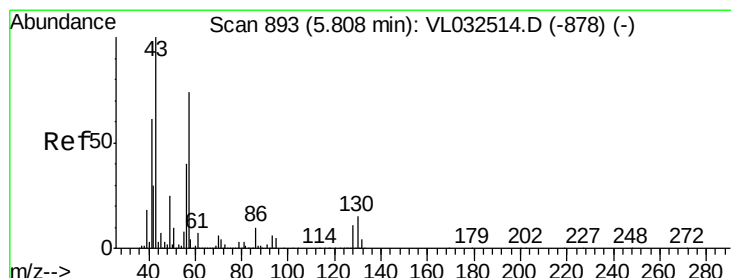
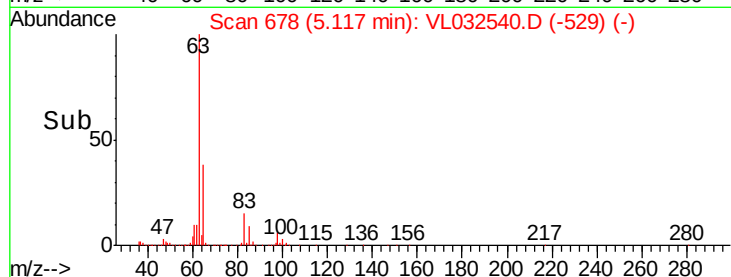
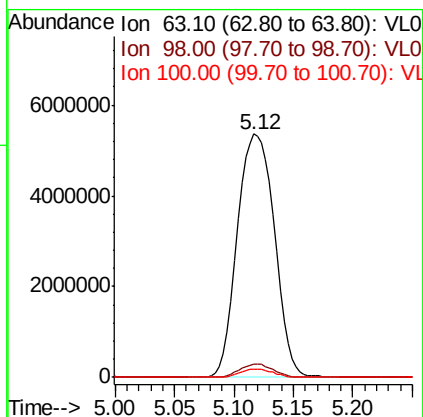
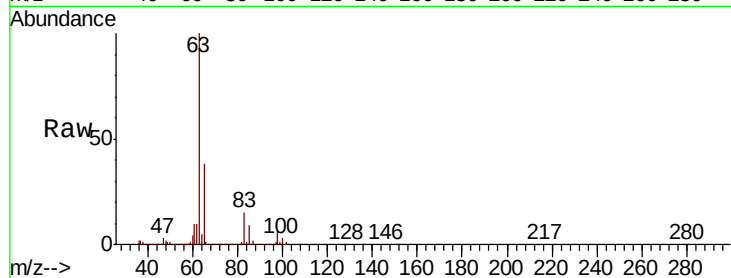
SVE-INF3-092018

|          |       |       |          |
|----------|-------|-------|----------|
| Tot Ion: | 63    | Resp: | 11628557 |
| Ion      | Ratio | Lower | Upper    |
| 63       | 100   |       |          |
| 98       | 5.6   | 2.1   | 6.5      |
| 100      | 3.4   | 1.5   | 4.4      |

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#26

Hexane

Concen: 0.471 ppbv

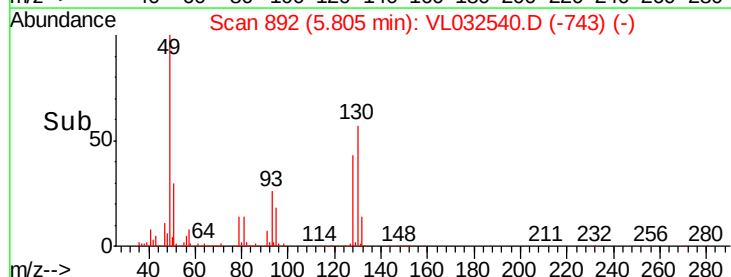
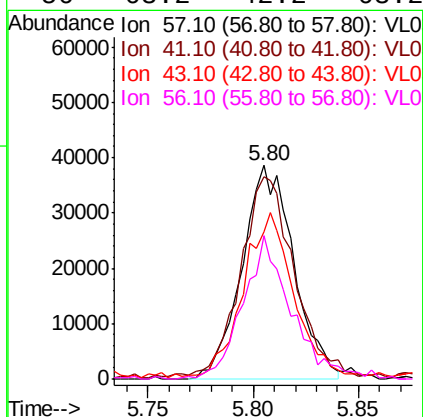
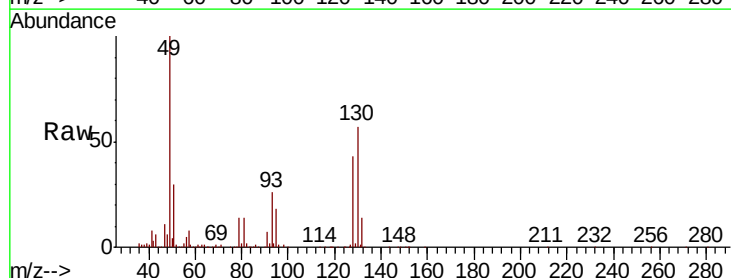
RT: 5.80 min Scan# 892

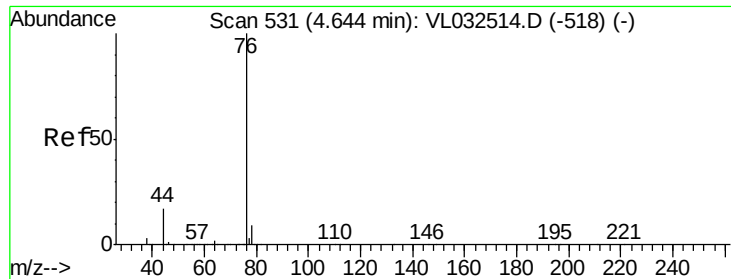
Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 57    | Resp: | 65914  |
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 98.6  | 69.0  | 103.4  |
| 43       | 72.4  | 172.1 | 258.1# |
| 56       | 63.2  | 42.2  | 63.2   |





#27

Carbon Disulfide

Concen: 0.317 ppbv

RT: 4.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

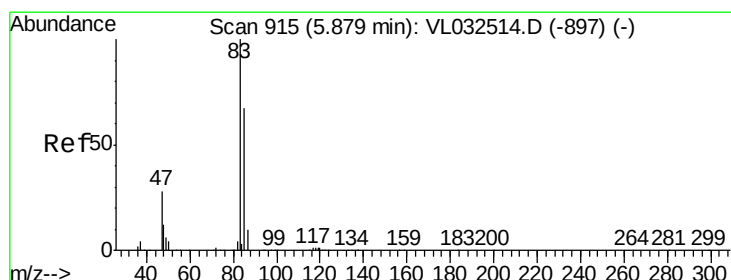
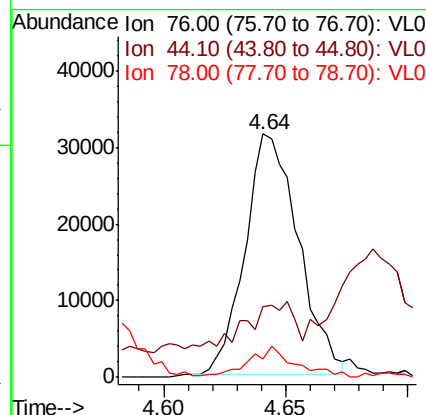
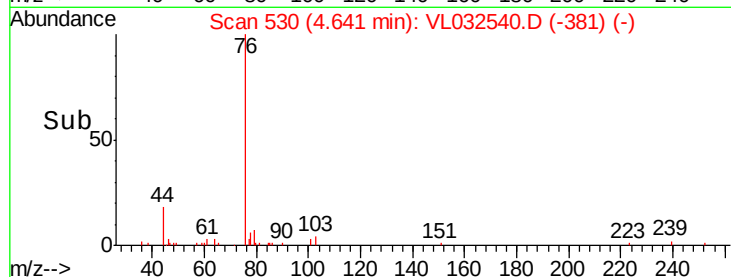
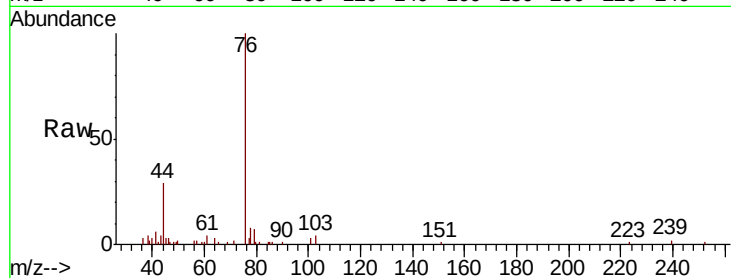
SVE-INF3-092018

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 76    | Resp: | 47700 |
| Ion      | Ratio | Lower | Upper |
| 76       | 100   |       |       |
| 44       | 0.0   | 14.0  | 21.0# |
| 78       | 11.2  | 7.5   | 11.3  |

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#29

Chloroform

Concen: 1.109 ppbv

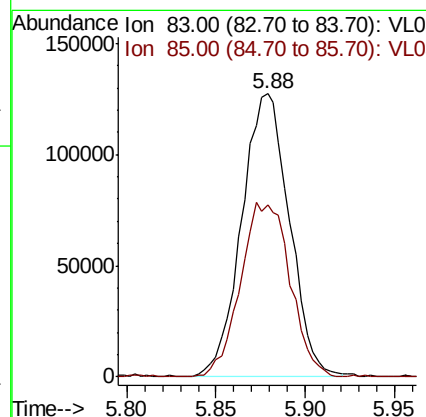
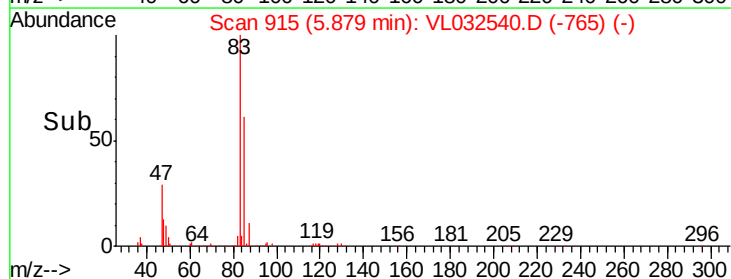
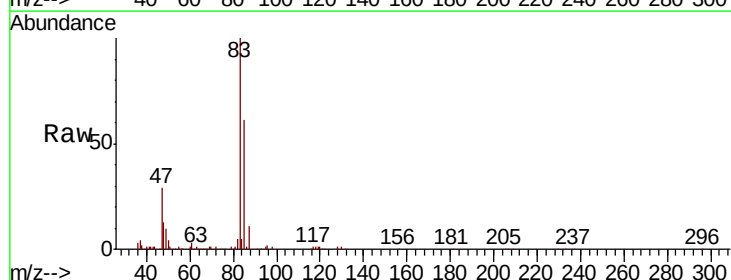
RT: 5.88 min Scan# 915

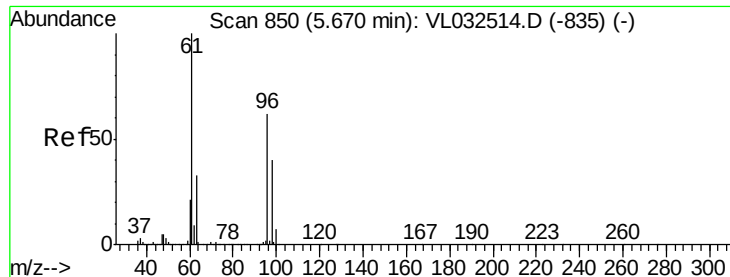
Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 238297 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 60.8  | 52.5  | 78.7   |





#31

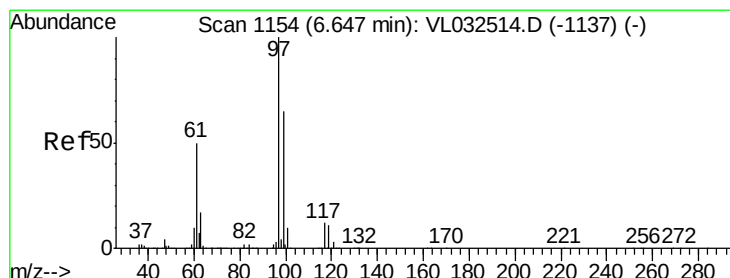
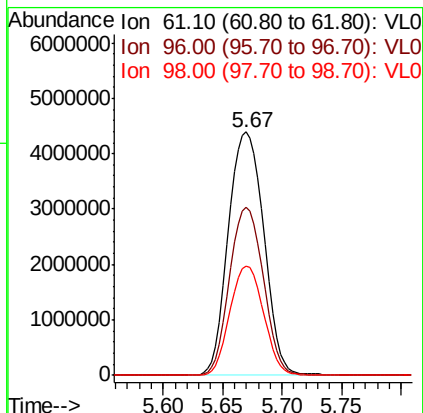
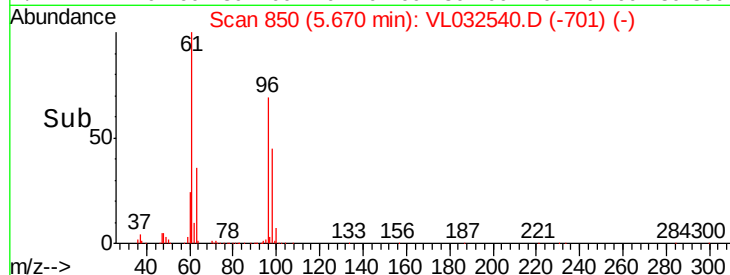
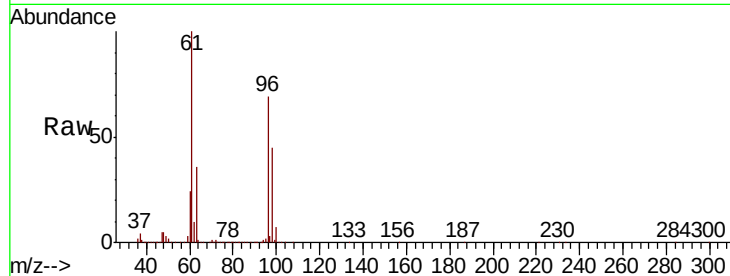
cis-1,2-Dichloroethene  
 Concen: 68.355 ppbv  
 RT: 5.67 min Scan# 850  
 Delta R.T. -0.02 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 61      | 100   |       |       |
| 96      | 69.0  | 49.2  | 73.8  |
| 98      | 44.8  | 30.7  | 46.1  |

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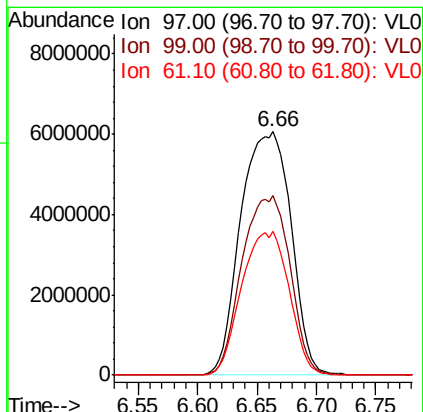
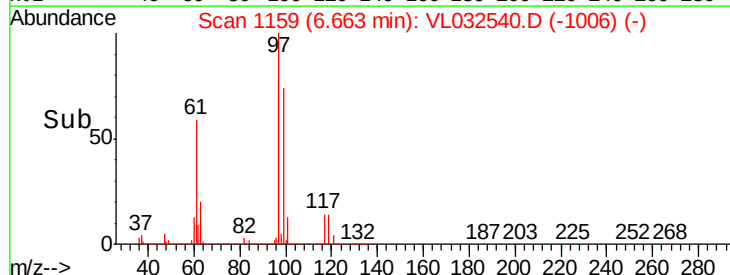
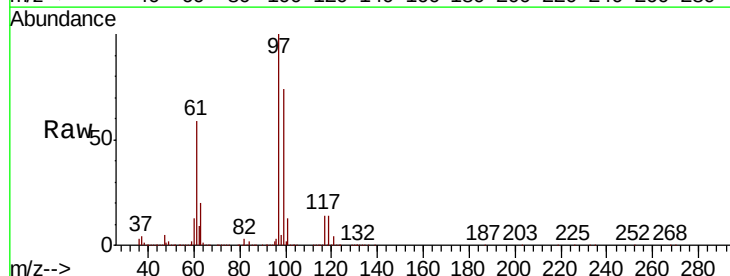
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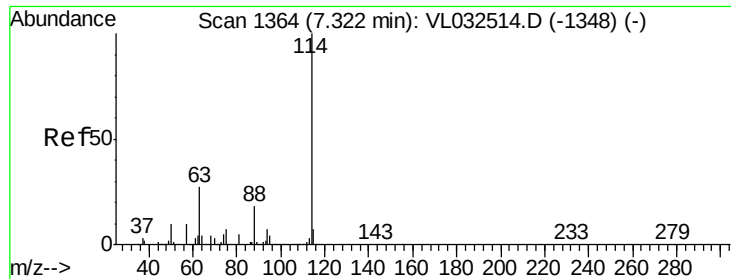


#32

1,1,1-Trichloroethane  
 Concen: 77.771 ppbv m  
 RT: 6.66 min Scan# 1159  
 Delta R.T. -0.01 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 0.0   | 52.1  | 78.1# |
| 61      | 0.0   | 42.5  | 63.7# |





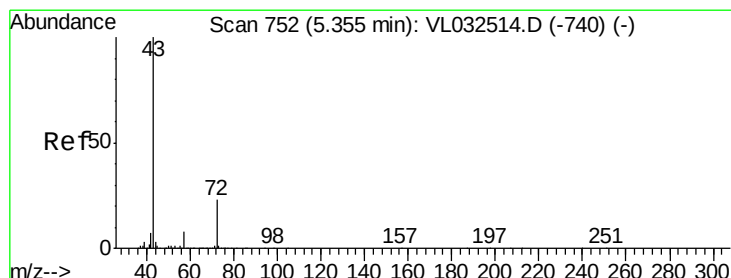
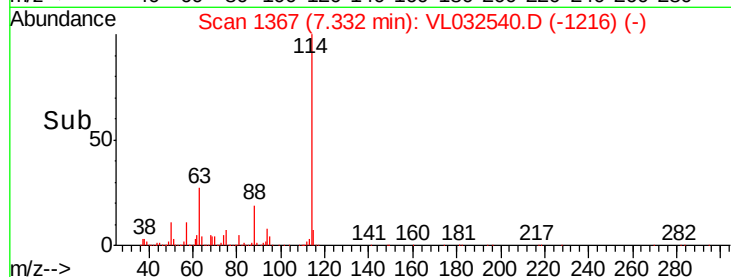
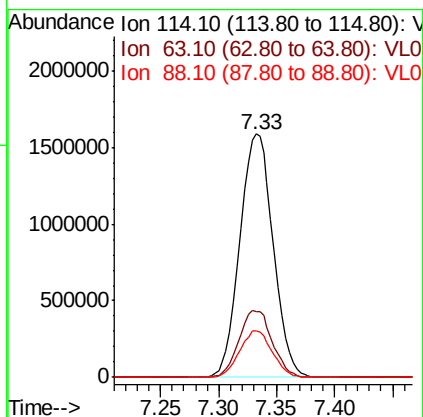
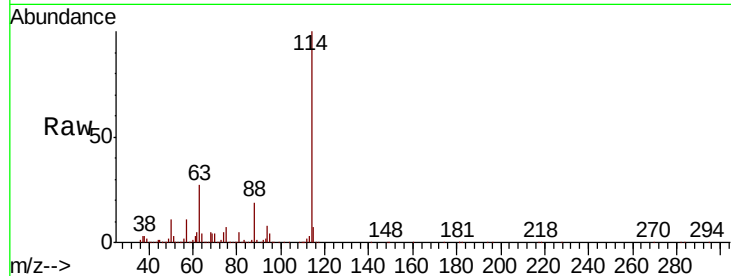
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.33 min Scan# 1367  
 Delta R.T. -0.01 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 27.6  | 22.2  | 33.4  |
| 88      | 18.8  | 15.0  | 22.4  |

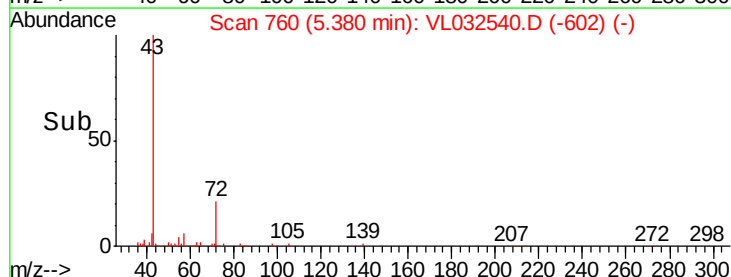
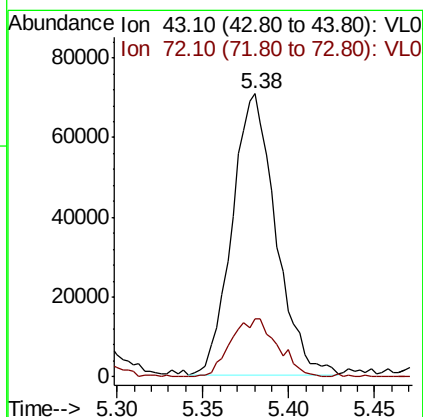
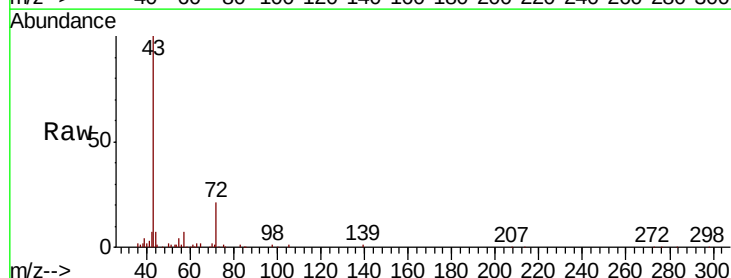
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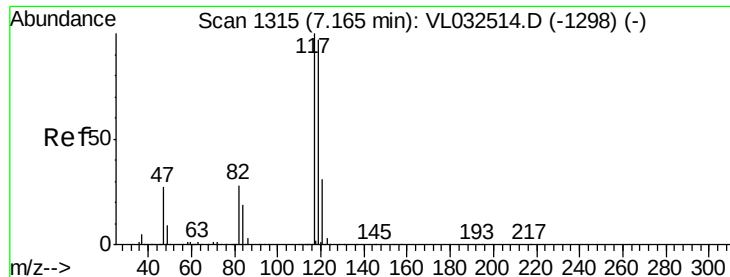
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#34  
 2-Butanone  
 Concen: 0.660 ppbv  
 RT: 5.38 min Scan# 760  
 Delta R.T. 0.01 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 22.5  | 17.8  | 26.6  |





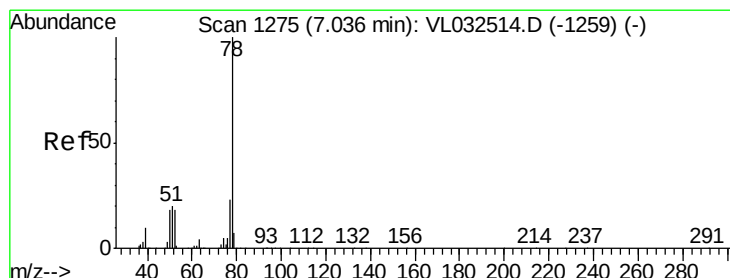
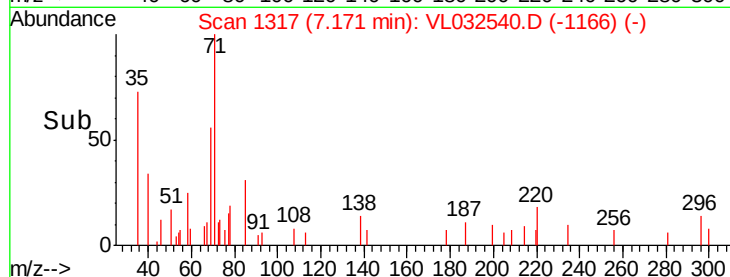
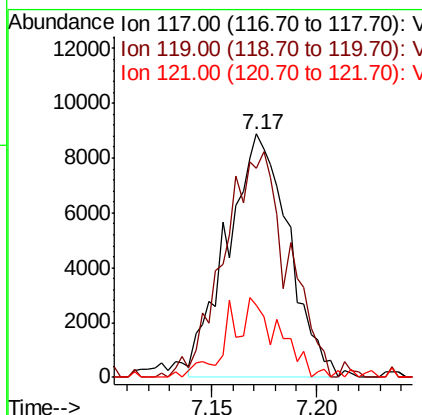
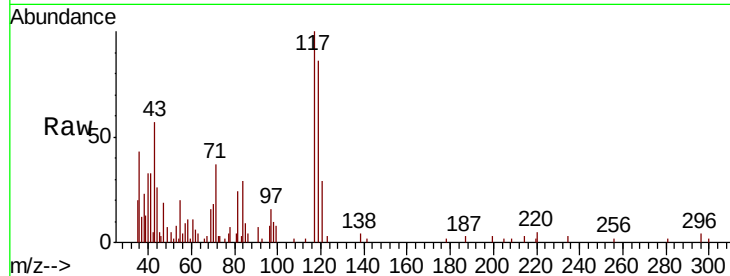
#35  
Carbon Tetrachloride  
Concen: 0.081 ppbv  
RT: 7.17 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: VL032540.D  
Acq: 25 Sep 2018 11:36

Instrument :  
MSVOA\_L  
ClientSampleId :  
SVE-INF3-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 85.9  | 76.6  | 115.0 |
| 121     | 26.7  | 24.6  | 36.8  |

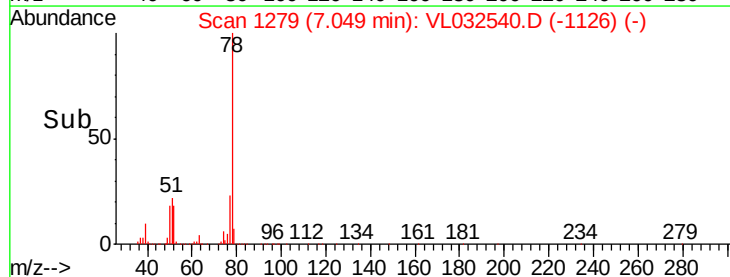
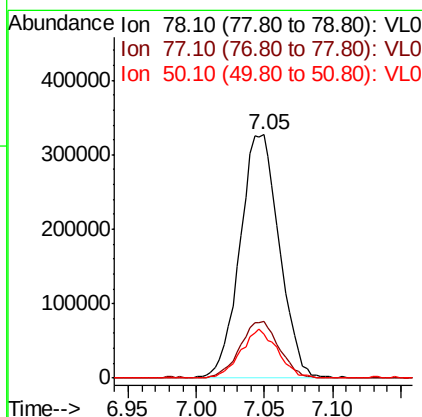
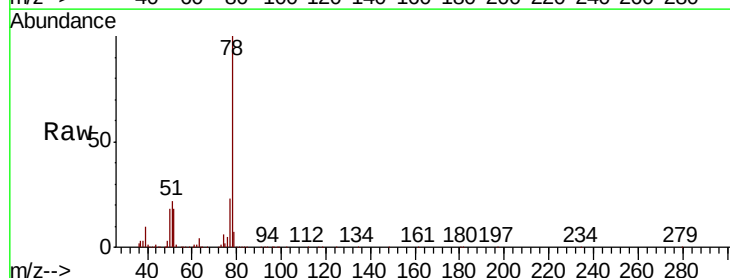
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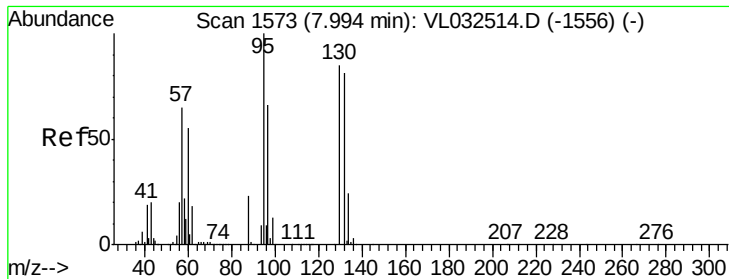
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#36  
Benzene  
Concen: 2.562 ppbv  
RT: 7.05 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: VL032540.D  
Acq: 25 Sep 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.9  | 18.4  | 27.6  |
| 50      | 17.9  | 14.4  | 21.6  |





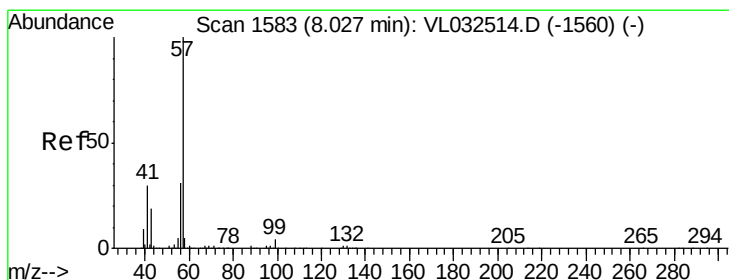
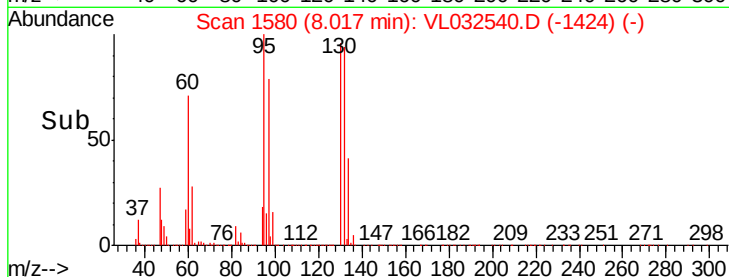
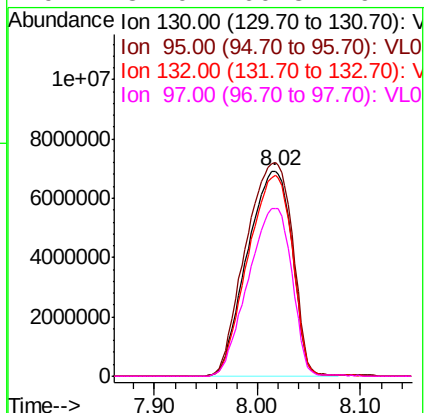
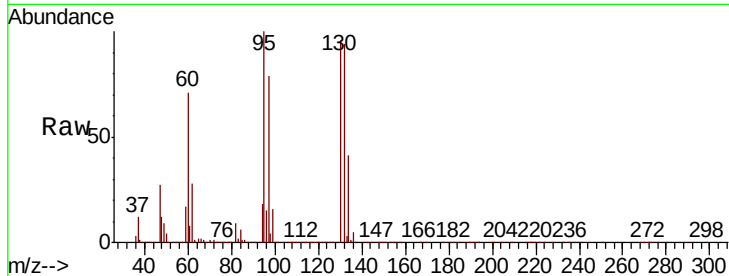
#38  
 Trichloroethene  
 Concen: 213.683 ppbv  
 RT: 8.02 min Scan# 1580  
 Delta R.T. 0.00 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

Tot Ion:130 Resp:20933339  
 Ion Ratio Lower Upper  
 130 100  
 95 104.1 94.2 141.4  
 132 97.7 76.2 114.4  
 97 82.0 60.8 91.2

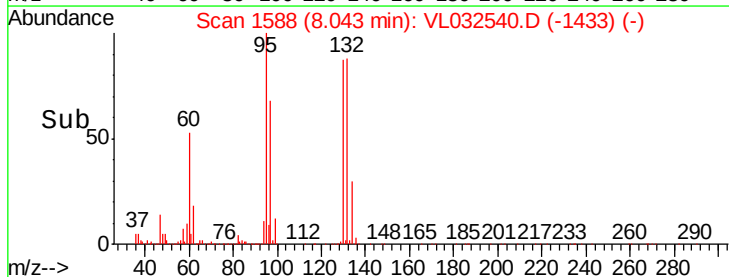
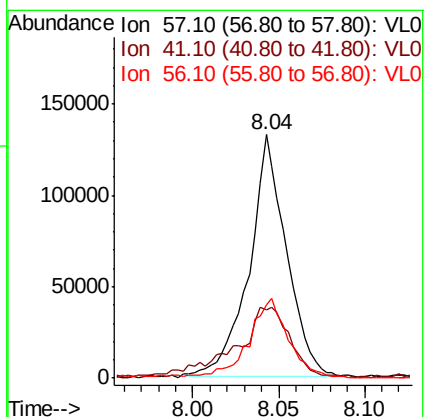
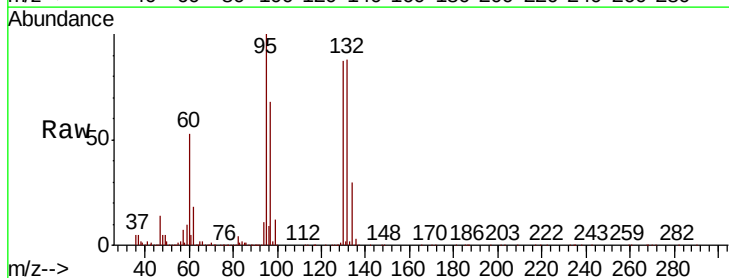
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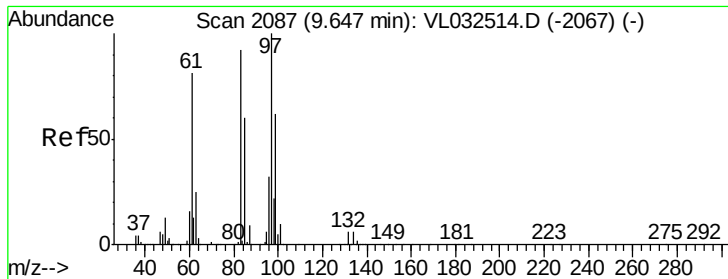


#44  
 2,2,4-Trimethylpentane  
 Concen: 0.392 ppbv  
 RT: 8.04 min Scan# 1588  
 Delta R.T. -0.00 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

Tgt Ion: 57 Resp: 196039  
 Ion Ratio Lower Upper  
 57 100  
 41 44.6 24.4 36.6#  
 56 37.8 25.7 38.5







#47

1,1,2-Trichloroethane

Concen: 0.835 ppbv

RT: 9.65 min Scan# 2088

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

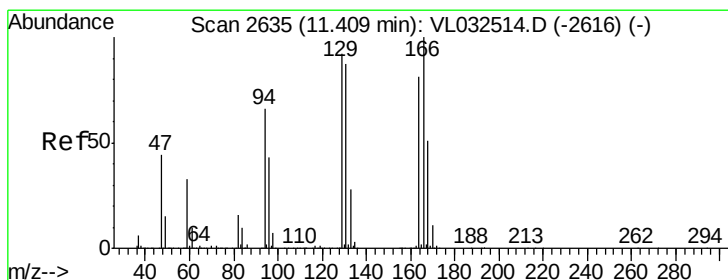
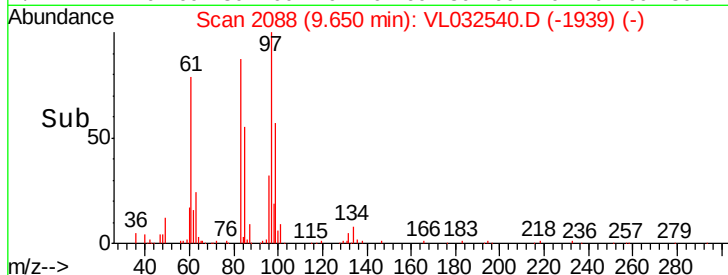
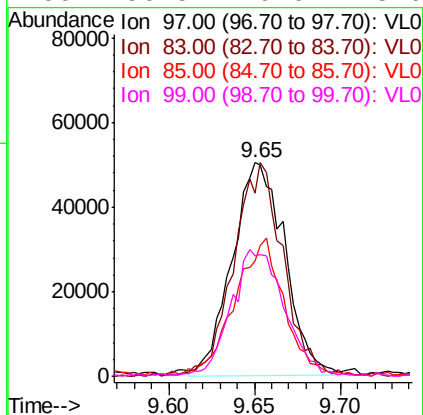
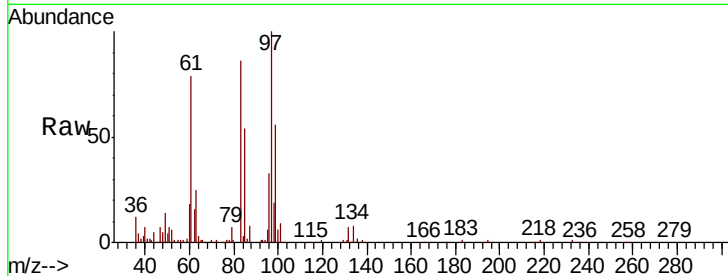
ClientSampleId :

SVE-INF3-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.3  | 75.0  | 112.4 |
| 85      | 53.4  | 47.5  | 71.3  |
| 99      | 56.5  | 49.0  | 73.6  |

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#52

Tetrachloroethene

Concen: 7.868 ppbv

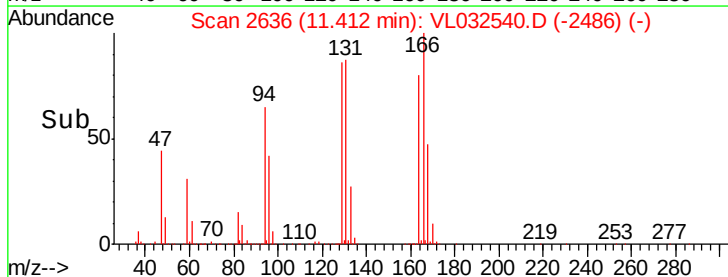
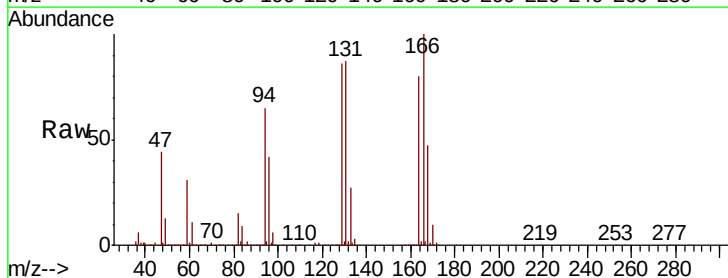
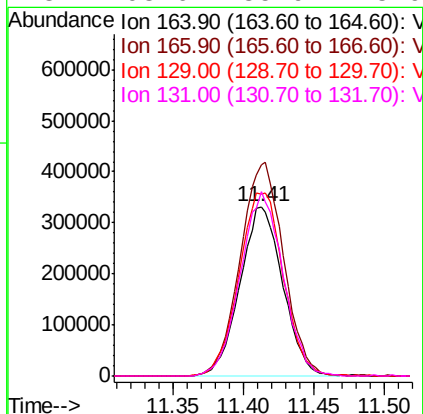
RT: 11.41 min Scan# 2636

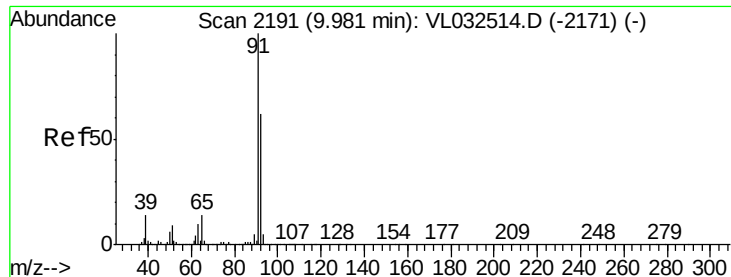
Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.6 | 100.6 | 150.8 |
| 129     | 107.1 | 89.9  | 134.9 |
| 131     | 108.6 | 85.9  | 128.9 |





#53

Toluene

Concen: 1.300 ppbv

RT: 9.99 min Scan# 2193

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

Instrument :

MSVOA\_L

ClientSampleId :

SVE-INF3-092018

Tot Ion: 91 Resp: 405428

Ion Ratio Lower Upper

91 100

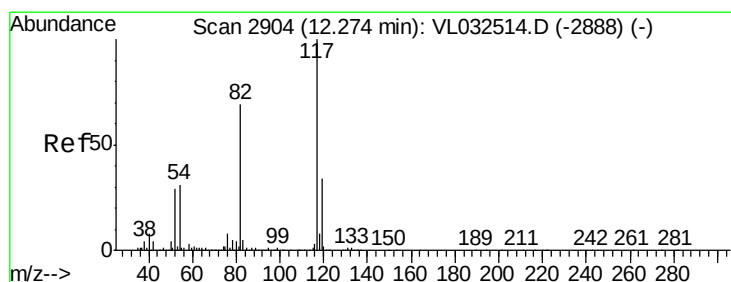
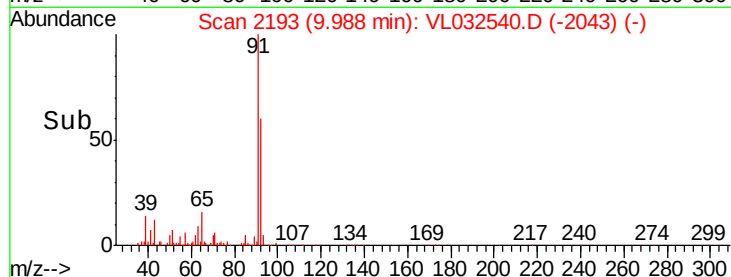
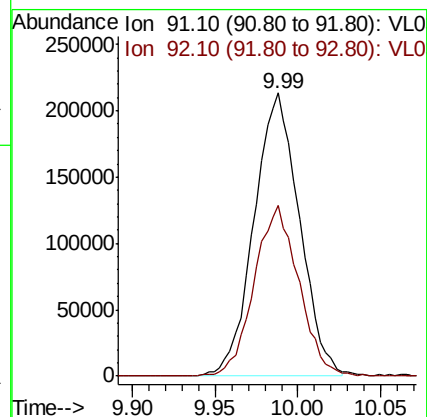
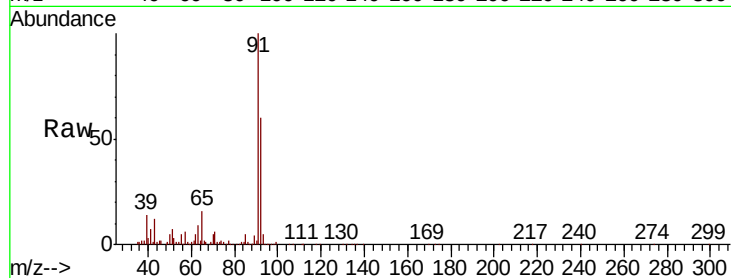
92 59.4 48.1 72.1

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.28 min Scan# 2905

Delta R.T. -0.02 min

Lab File: VL032540.D

Acq: 25 Sep 2018 11:36

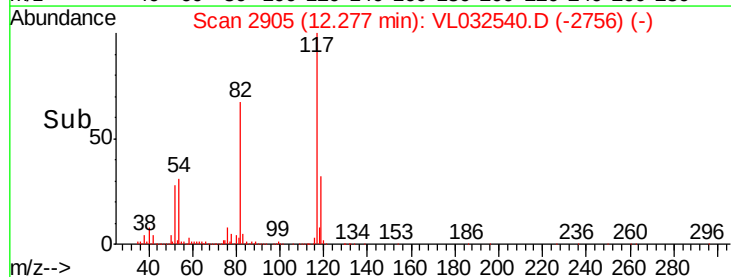
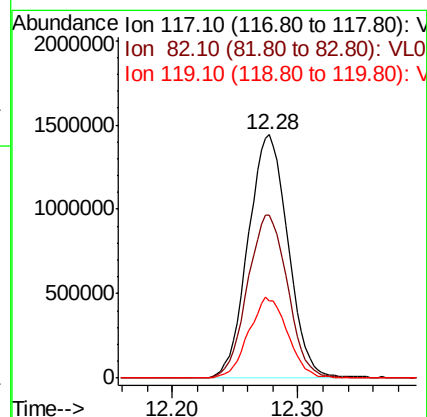
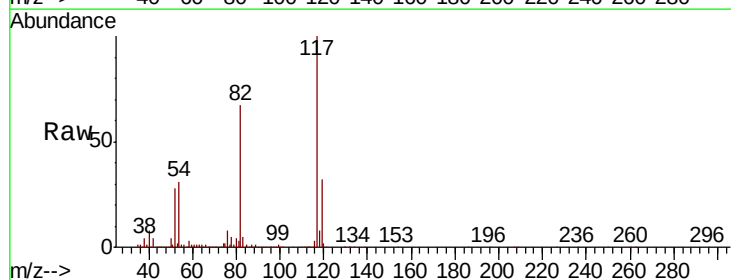
Tgt Ion: 117 Resp: 3190789

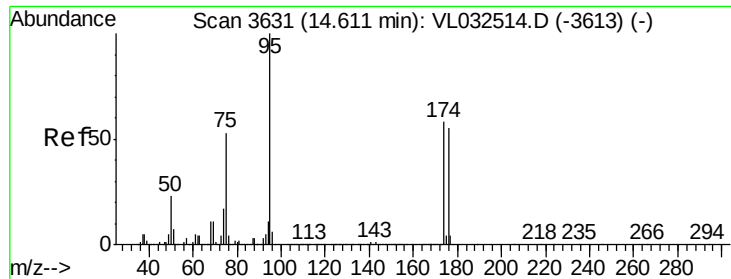
Ion Ratio Lower Upper

117 100

82 67.7 53.0 79.6

119 32.6 45.9 68.9#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.713 ppbv  
 RT: 14.61 min Scan# 3630  
 Delta R.T. -0.03 min  
 Lab File: VL032540.D  
 Acq: 25 Sep 2018 11:36

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SVE-INF3-092018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 57.0  | 46.3  | 69.5  |
| 175     | 4.1   | 3.4   | 5.0   |

Manual Integrations  
 APPROVED

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