

Data Path : W:\HPCHEM1\MSVOA\_L\DATA\VL122017\  
 Data File : VL031282.D  
 Acq On : 20 Dec 2017 23:18  
 Operator : SY/AP  
 Sample : I7005-05DL 10X  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EP1-SV-4DL

Quant Time: Dec 21 08:41:01 2017  
 Quant Method : W:\HPCHEM1\MSVOA\_L\METHODS\VL121317AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Dec 14 04:29:58 2017  
 QLast Update : Thu Dec 14 04:29:58 2017  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.91  | 49   | 1615336  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.45  | 114  | 3768135  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.42 | 117  | 3601662  | 10.00 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.75  | 95    | 2832130  | 11.06    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.60% |

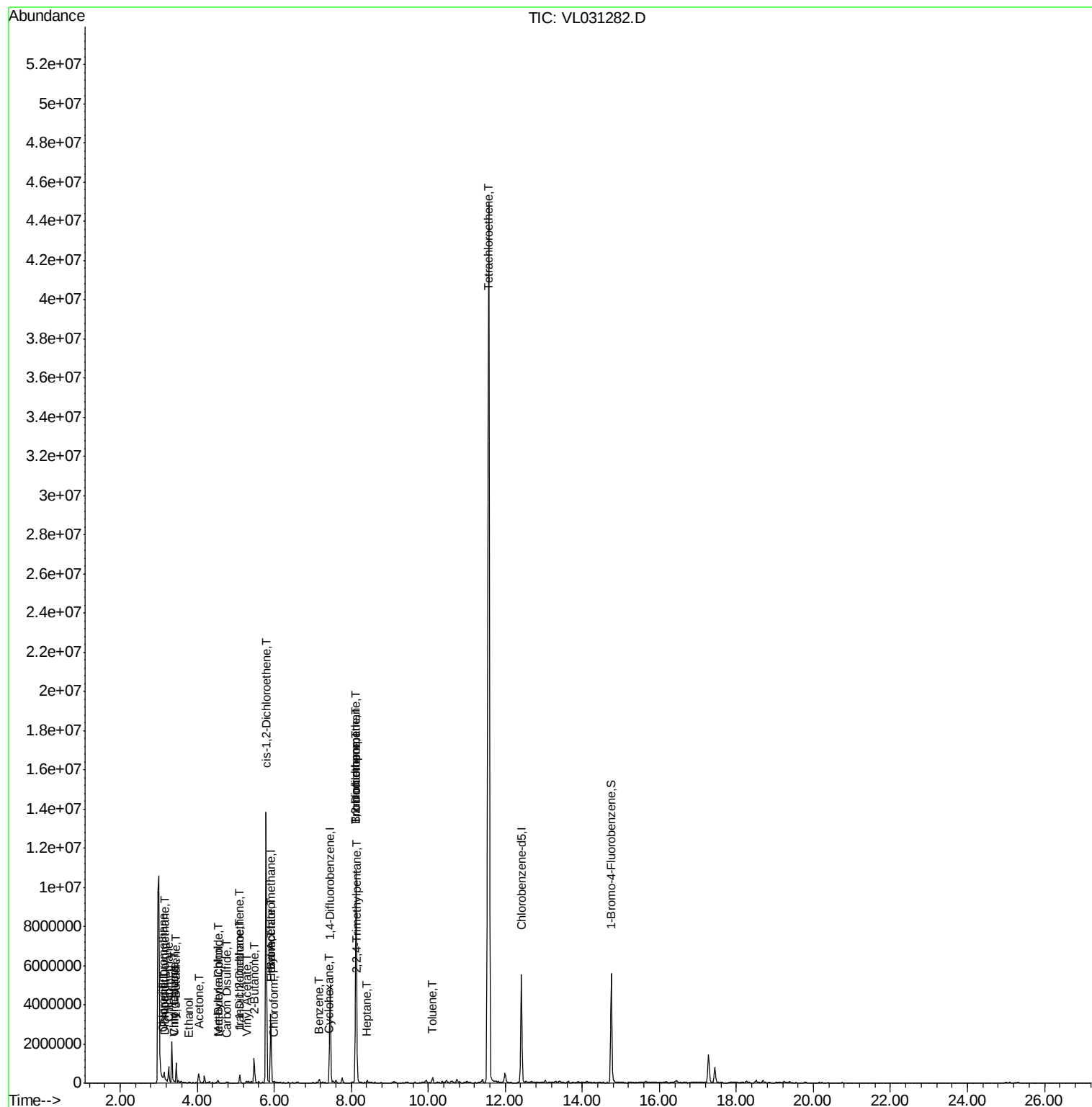
| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane   | 3.18  | 85   | 19213    | 0.14   | ppbv   | 91     |
| 3) Chlorodifluoromethane     | 3.11  | 51   | 17039    | 0.09   | ppbv   | 96     |
| 4) Chloromethane             | 3.26  | 50   | 10488    | 0.11   | ppbv # | 48     |
| 5) Vinyl Chloride            | 3.40  | 62   | 43328    | 0.42   | ppbv   | 93     |
| 7) Chloroethane              | 3.40  | 64   | 13577    | 0.36   | ppbv # | 42     |
| 9) Propene                   | 3.14  | 41   | 156871   | 1.74   | ppbv   | 97     |
| 10) Heptane                  | 8.41  | 43   | 52574    | 0.19   | ppbv   | 94     |
| 13) Ethanol                  | 3.79  | 45   | 10391    | 0.40   | ppbv # | 29     |
| 15) Acetone                  | 4.04  | 43   | 431088   | 2.02   | ppbv # | 57     |
| 16) 1,3-Butadiene            | 3.46  | 39   | 258204   | 2.82   | ppbv # | 14     |
| 17) tert-Butyl alcohol       | 4.53  | 59   | 15210    | 0.13   | ppbv # | 86     |
| 20) Methylene Chloride       | 4.54  | 84   | 32490    | 0.46   | ppbv   | 92     |
| 22) trans-1,2-Dichloroethene | 5.11  | 96   | 129839   | 1.50   | ppbv   | 99     |
| 23) Vinyl Acetate            | 5.28  | 43   | 43035    | 0.13   | ppbv # | 27     |
| 24) 1,1-Dichloroethane       | 5.11  | 63   | 69434    | 0.28   | ppbv # | 1      |
| 25) Ethyl Acetate            | 5.93  | 43   | 39789    | 0.09   | ppbv # | 81     |
| 26) Hexane                   | 5.93  | 57   | 52518    | 0.25   | ppbv # | 12     |
| 27) Carbon Disulfide         | 4.76  | 76   | 8510     | 0.04   | ppbv # | 24     |
| 29) Chloroform               | 6.00  | 83   | 34433    | 0.12   | ppbv   | 97     |
| 30) Cyclohexane              | 7.41  | 84   | 10982    | 0.06   | ppbv # | 23     |
| 31) cis-1,2-Dichloroethene   | 5.79  | 61   | 8264583  | 44.11  | ppbv   | 94     |
| 34) 2-Butanone               | 5.48  | 43   | 1541145  | 5.79   | ppbv   | 98     |
| 36) Benzene                  | 7.17  | 78   | 84352    | 0.21   | ppbv   | 99     |
| 38) Trichloroethene          | 8.13  | 130  | 3681060  | 23.63  | ppbv   | 97     |
| 39) 1,2-Dichloropropane      | 8.13  | 63   | 15736    | 0.11   | ppbv # | 1      |
| 42) Bromodichloromethane     | 8.12  | 83   | 33902    | 0.13   | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane   | 8.16  | 57   | 216683   | 0.36   | ppbv # | 89     |
| 52) Tetrachloroethene        | 11.57 | 164  | 16122619 | 109.43 | ppbv   | 94     |
| 53) Toluene                  | 10.12 | 91   | 58948    | 0.14   | ppbv   | 99     |

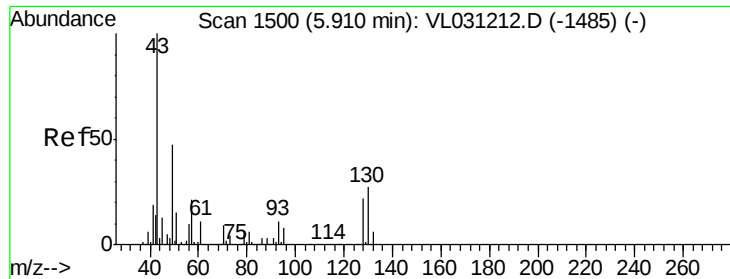
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 04:29:58 2017  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

EP1-SV-4DL

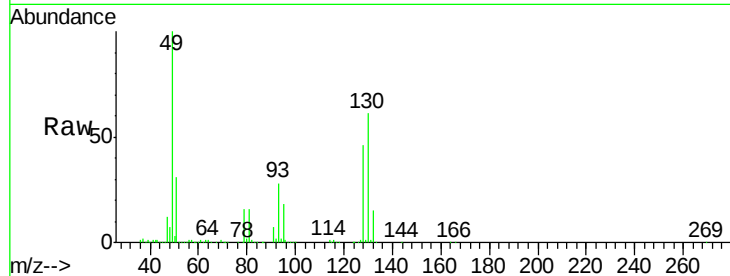
Tgt Ion: 49 Resp: 1615336

Ion Ratio Lower Upper

49 100

128 47.8 23.2 69.5

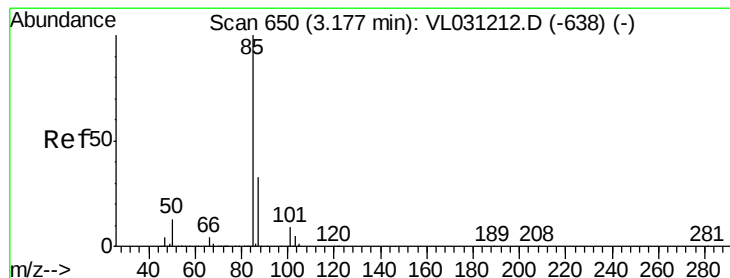
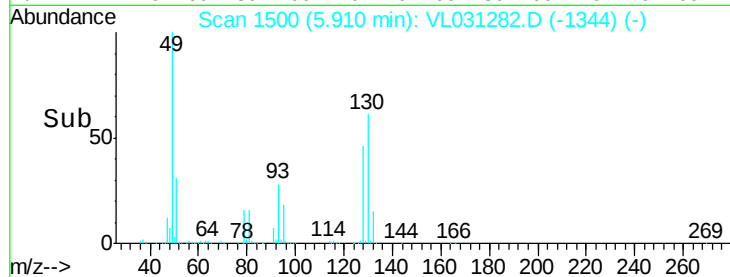
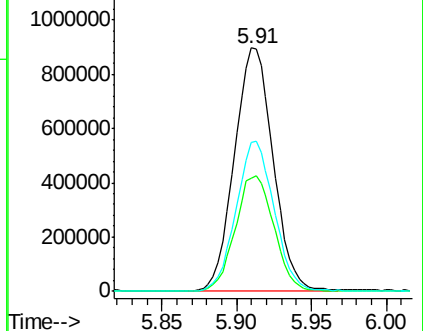
130 61.1 29.6 88.8



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: 0.14 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031282.D

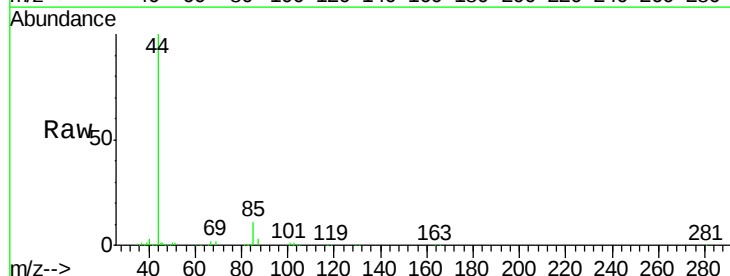
Acq: 20 Dec 2017 23:18

Tgt Ion: 85 Resp: 19213

Ion Ratio Lower Upper

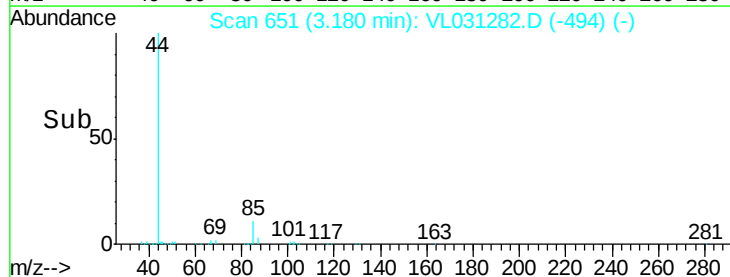
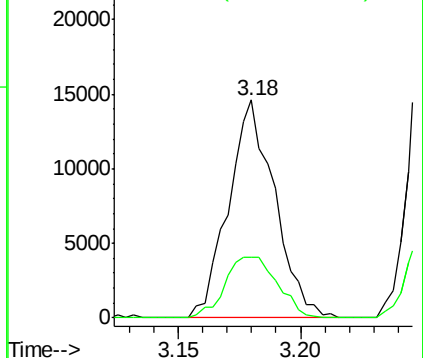
85 100

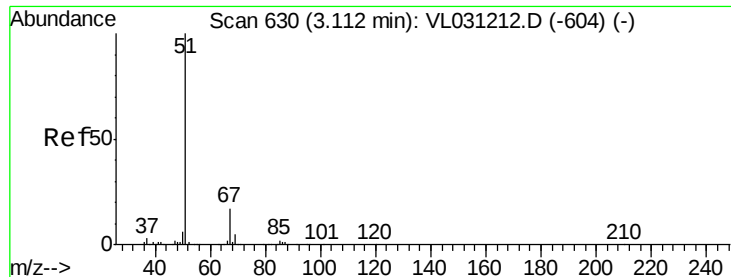
87 27.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.09 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

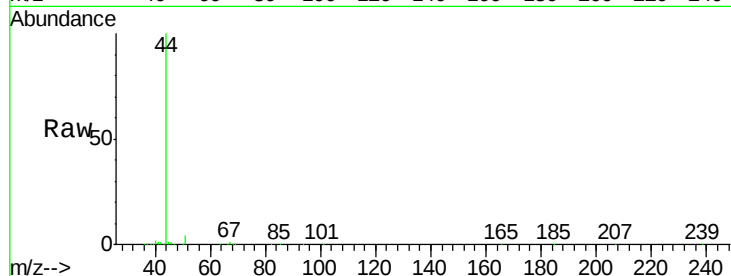
EP1-SV-4DL

Tgt Ion: 51 Resp: 17039

Ion Ratio Lower Upper

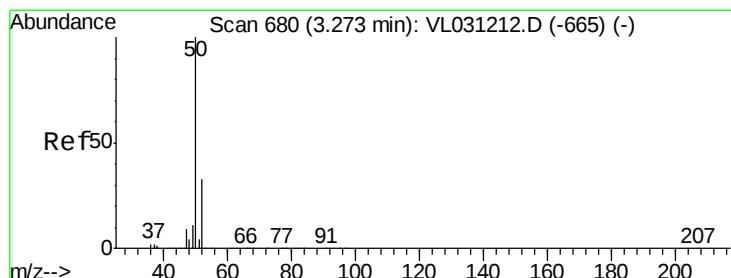
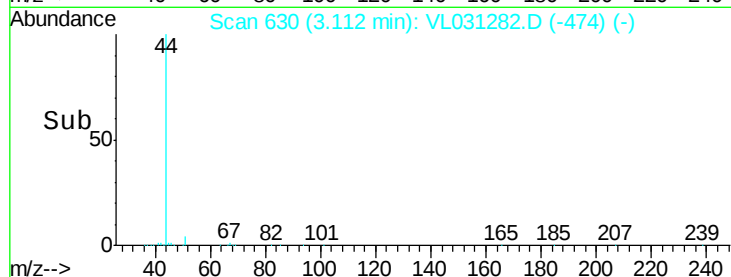
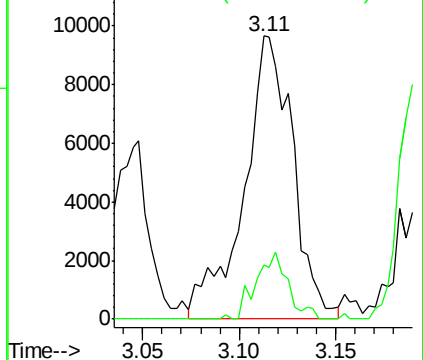
51 100

67 15.4 13.8 20.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.11 ppbv

RT: 3.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: VL031282.D

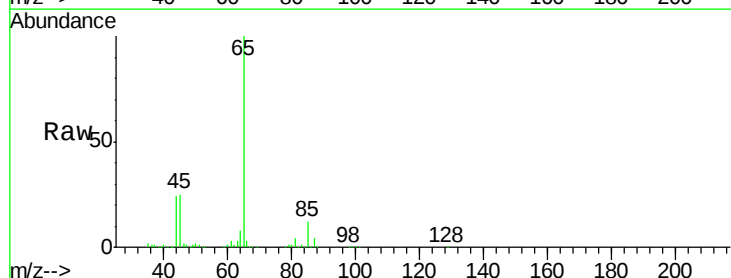
Acq: 20 Dec 2017 23:18

Tgt Ion: 50 Resp: 10488

Ion Ratio Lower Upper

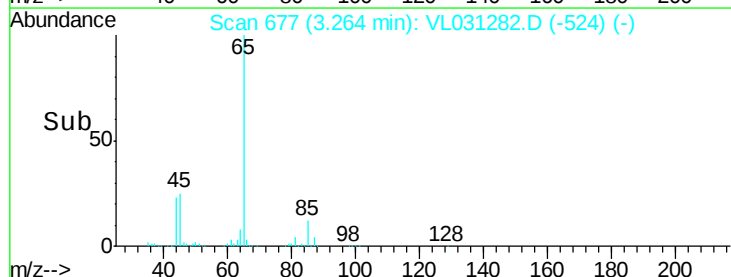
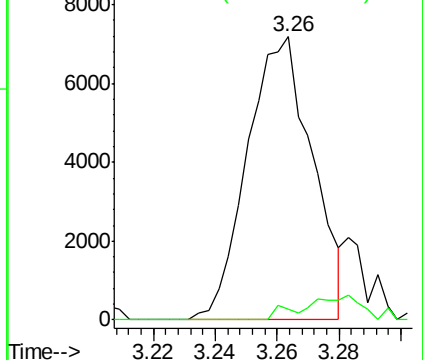
50 100

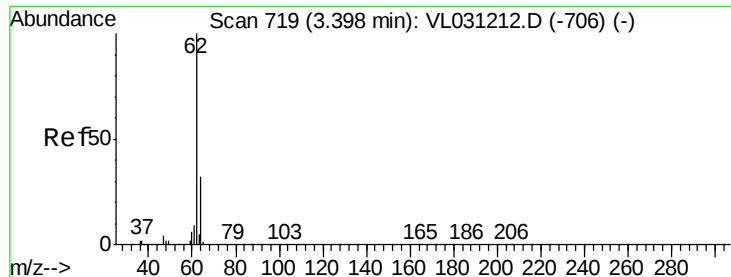
52 3.6 26.5 39.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.42 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

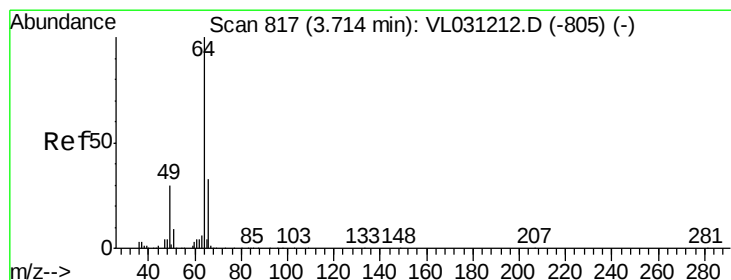
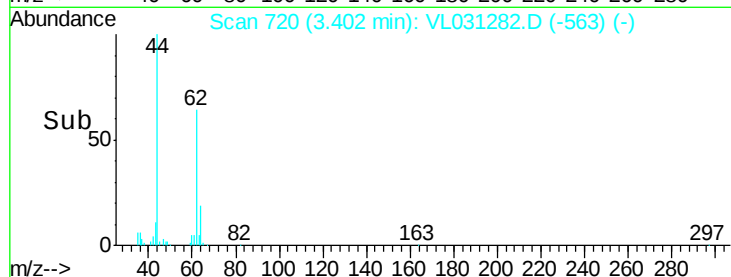
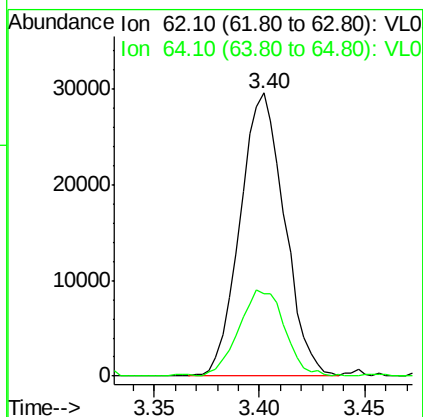
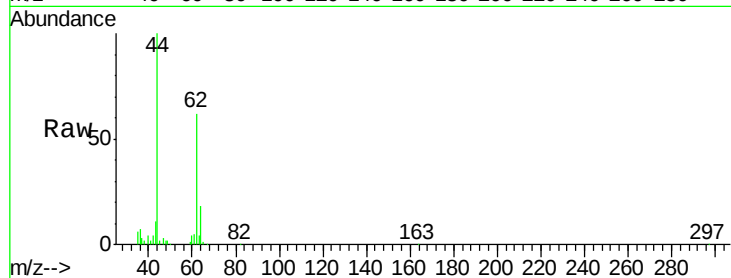
EP1-SV-4DL

Tgt Ion: 62 Resp: 43328

Ion Ratio Lower Upper

62 100

64 28.4 25.9 38.9



#7

Chloroethane

Concen: 0.36 ppbv

RT: 3.40 min Scan# 719

Delta R.T. -0.31 min

Lab File: VL031282.D

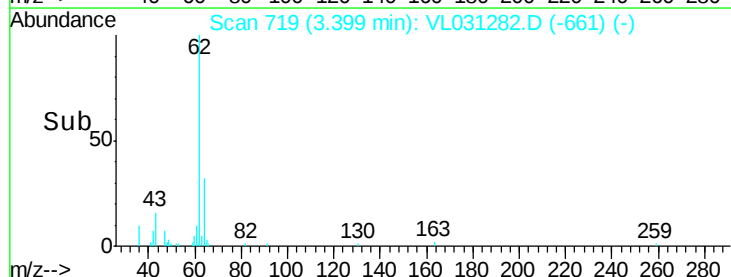
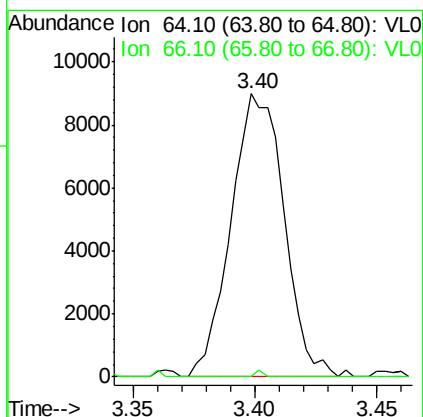
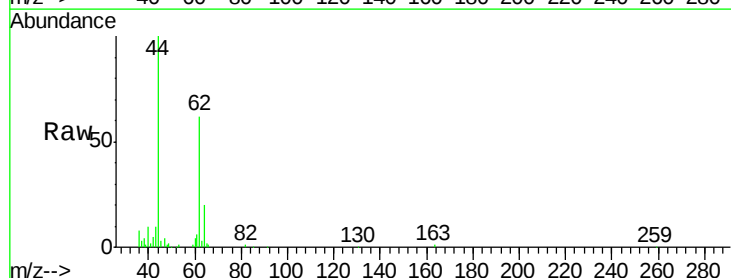
Acq: 20 Dec 2017 23:18

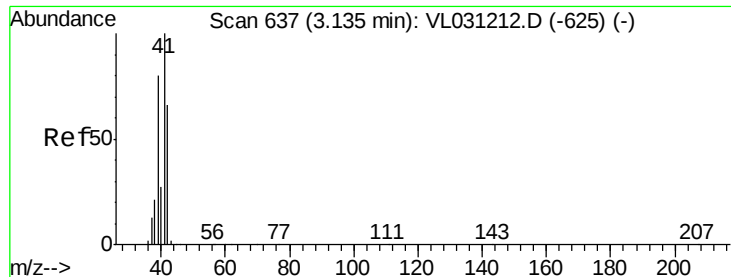
Tgt Ion: 64 Resp: 13577

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#





#9

Propene

Concen: 1.74 ppbv

RT: 3.14 min Scan# 639

Delta R.T. 0.01 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

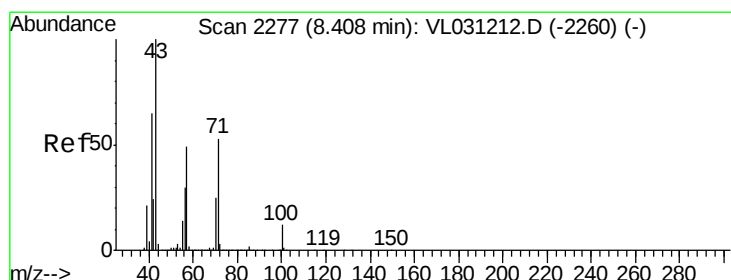
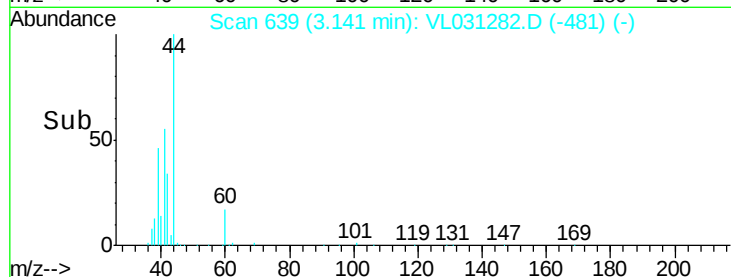
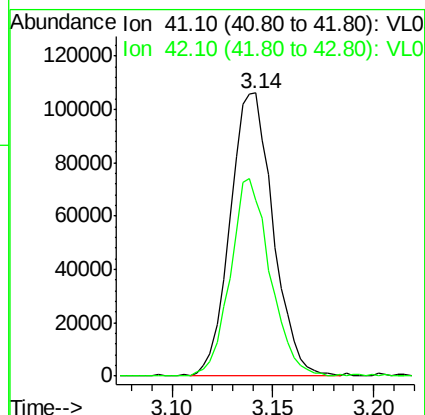
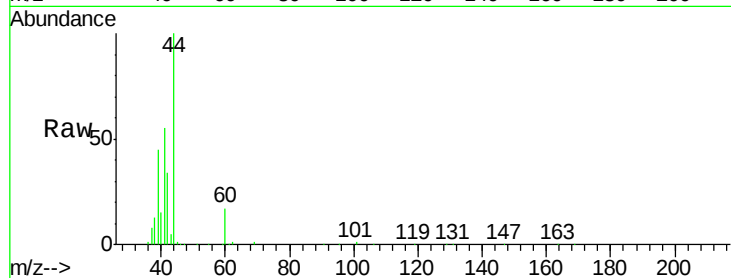
EP1-SV-4DL

Tgt Ion: 41 Resp: 156871

Ion Ratio Lower Upper

41 100

42 65.9 54.3 81.5



#10

Heptane

Concen: 0.19 ppbv

RT: 8.41 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VL031282.D

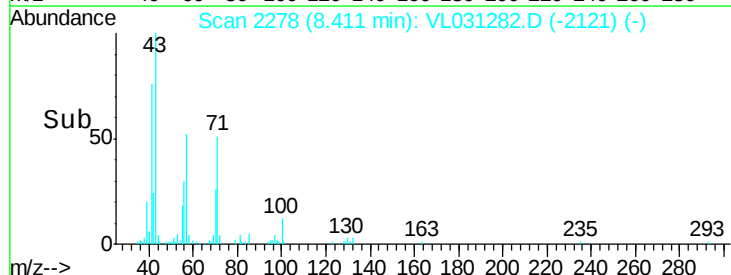
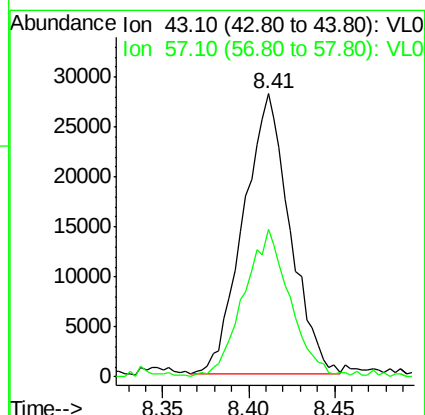
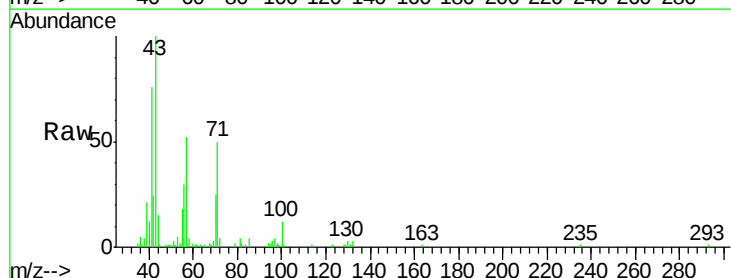
Acq: 20 Dec 2017 23:18

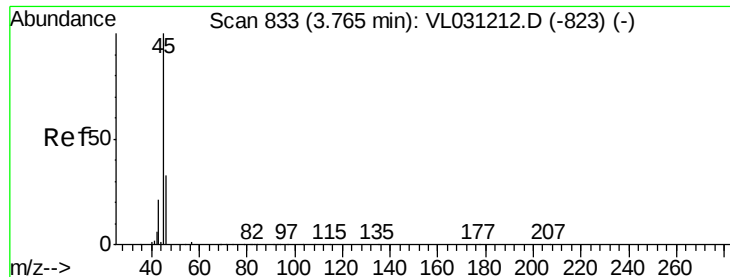
Tgt Ion: 43 Resp: 52574

Ion Ratio Lower Upper

43 100

57 54.1 39.8 59.8





#13

Ethanol

Concen: 0.40 ppbv

RT: 3.79 min Scan# 840

Delta R.T. 0.02 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

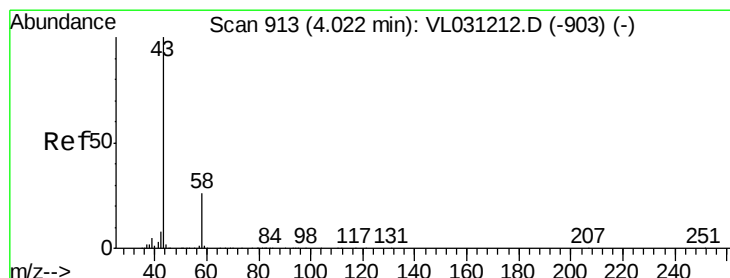
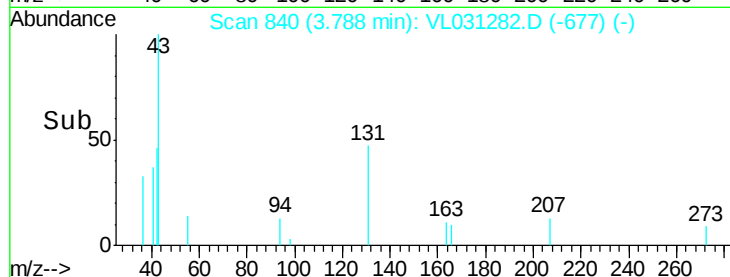
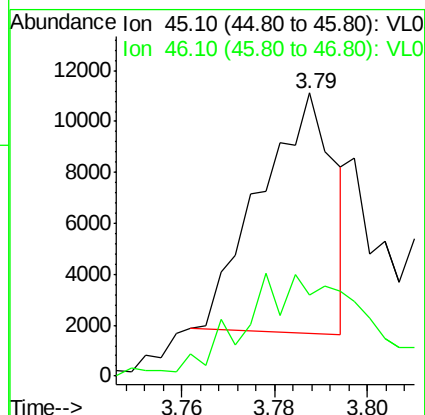
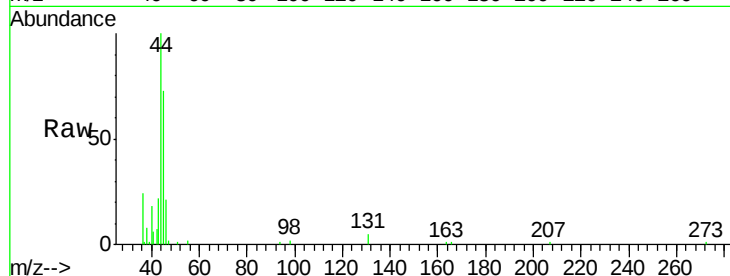
EP1-SV-4DL

Tgt Ion: 45 Resp: 10391

Ion Ratio Lower Upper

45 100

46 78.6 14.6 58.4#



#15

Acetone

Concen: 2.02 ppbv

RT: 4.04 min Scan# 917

Delta R.T. 0.01 min

Lab File: VL031282.D

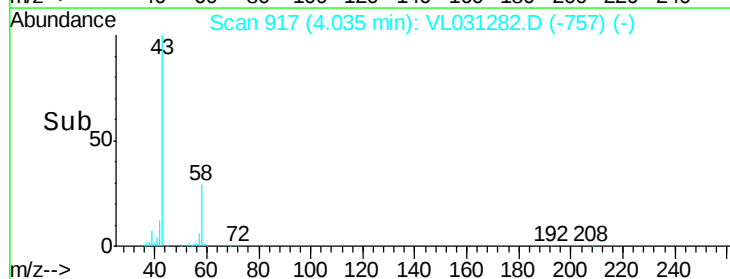
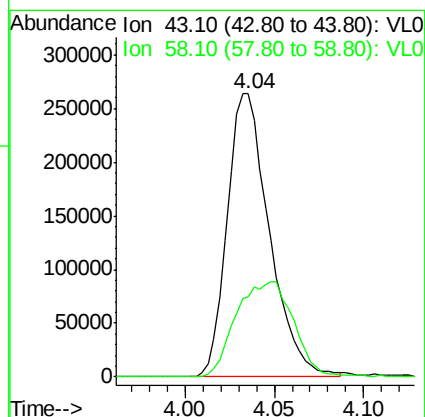
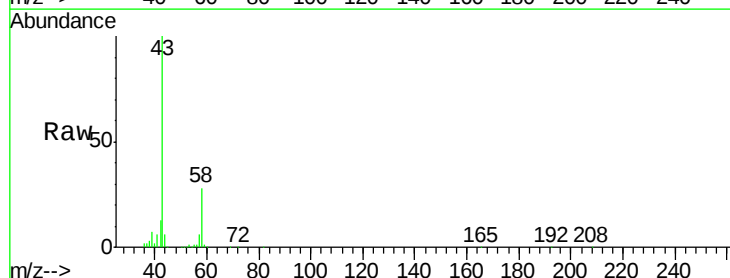
Acq: 20 Dec 2017 23:18

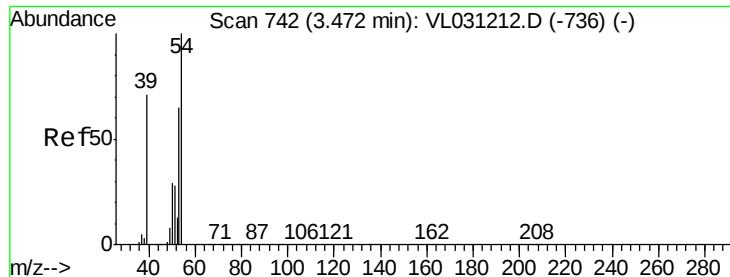
Tgt Ion: 43 Resp: 431088

Ion Ratio Lower Upper

43 100

58 46.9 20.3 30.5#





#16

1,3-Butadiene

Concen: 2.82 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.02 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

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ClientSampleId :

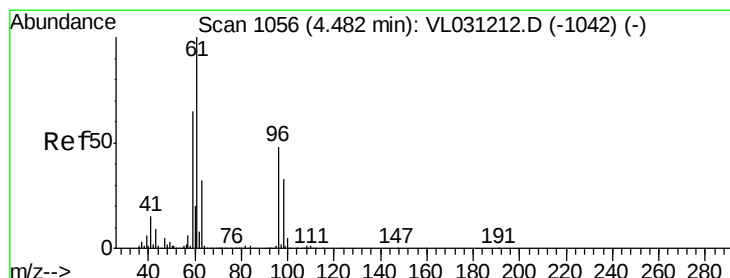
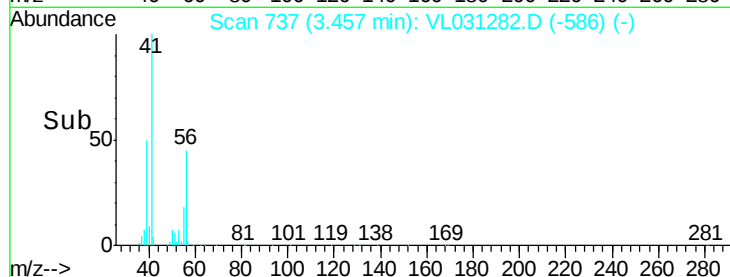
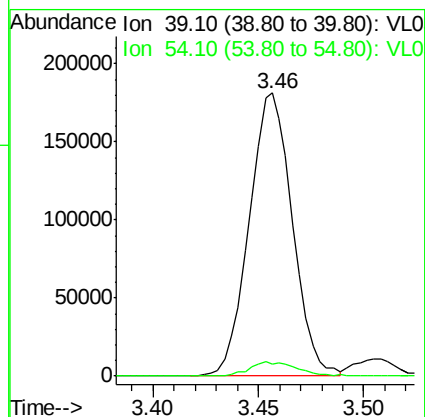
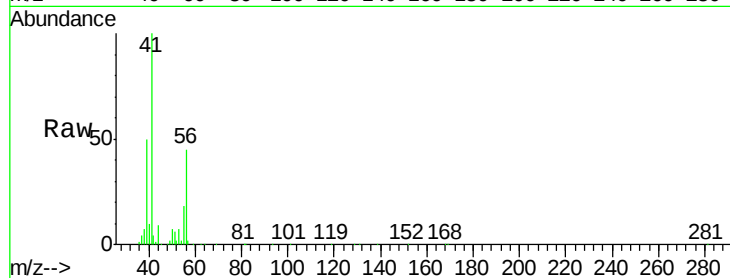
EP1-SV-4DL

Tgt Ion: 39 Resp: 258204

Ion Ratio Lower Upper

39 100

54 5.7 66.4 99.6#



#17

tert-Butyl alcohol

Concen: 0.13 ppbv

RT: 4.53 min Scan# 1072

Delta R.T. 0.05 min

Lab File: VL031282.D

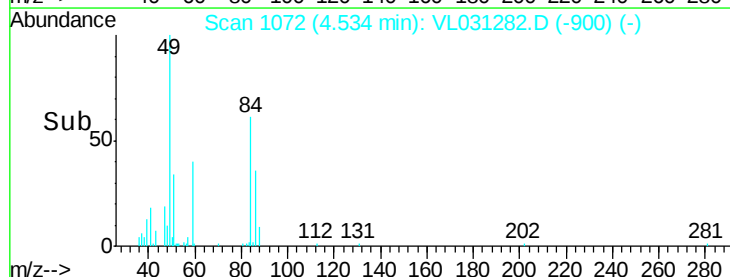
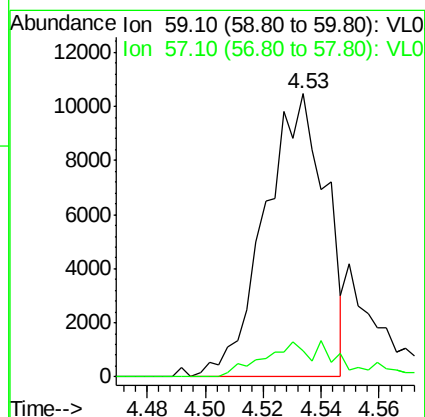
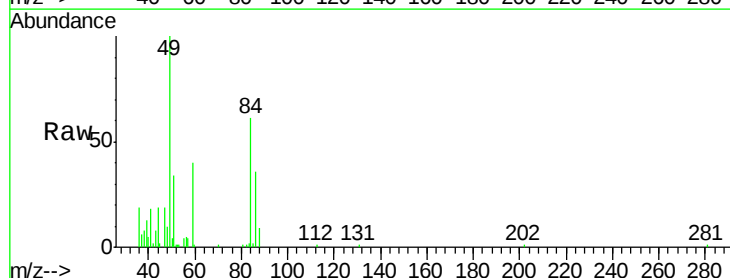
Acq: 20 Dec 2017 23:18

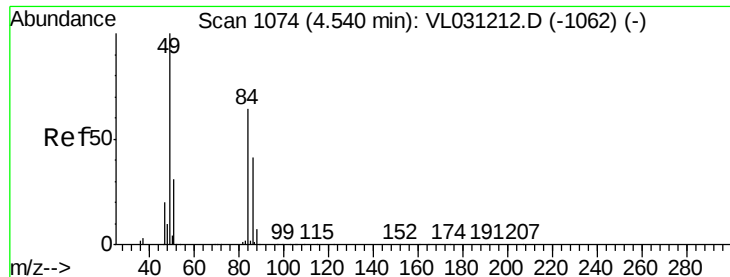
Tgt Ion: 59 Resp: 15210

Ion Ratio Lower Upper

59 100

57 15.4 8.2 12.2#

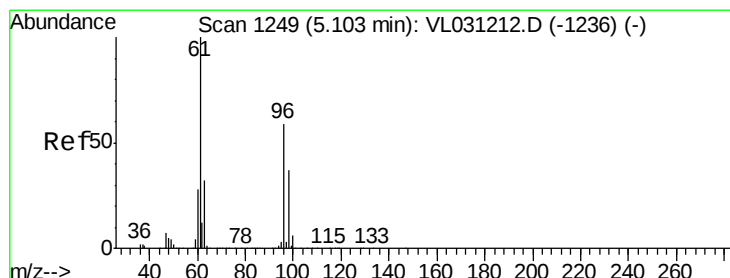
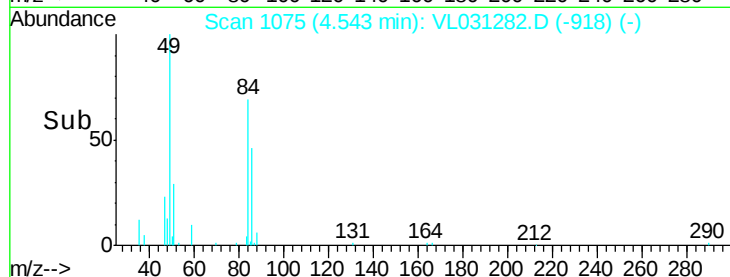
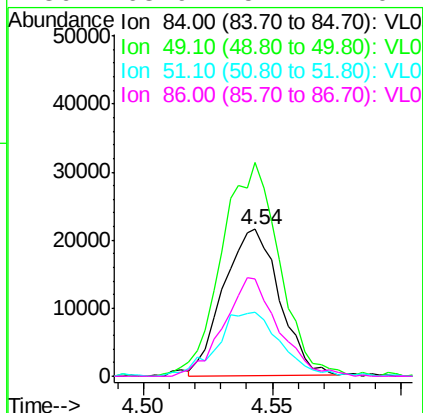
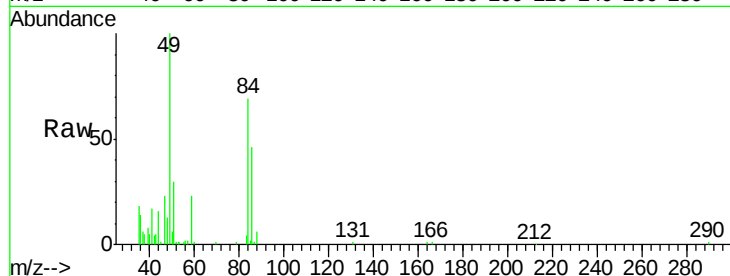




#20  
Methylene Chloride  
Concen: 0.46 ppbv  
RT: 4.54 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: VL031282.D  
Acq: 20 Dec 2017 23:18

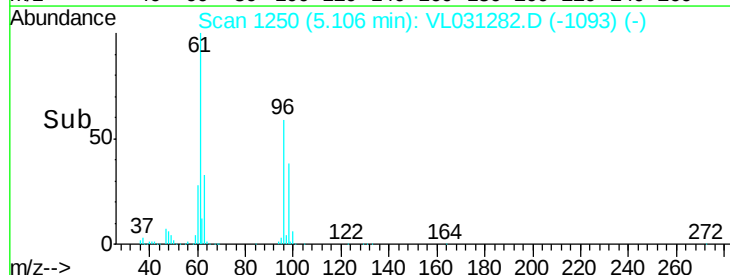
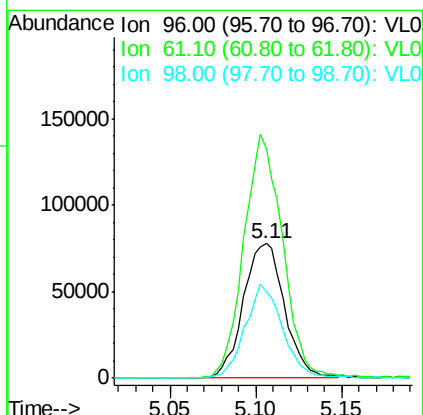
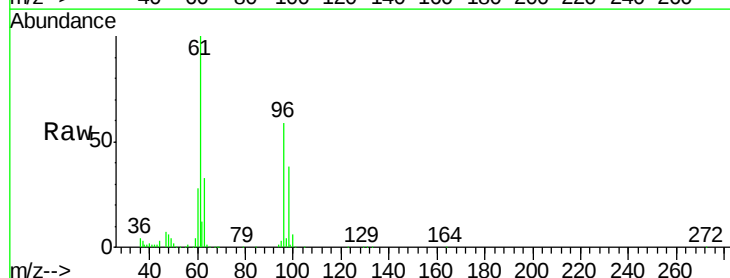
Instrument :  
MSVOA\_L  
ClientSampleId :  
EP1-SV-4DL

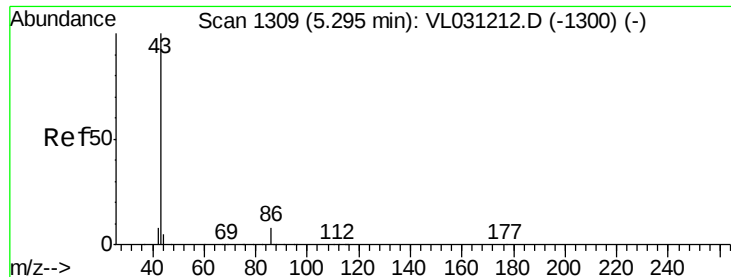
Tgt Ion: 84 Resp: 32490  
Ion Ratio Lower Upper  
84 100  
49 142.6 125.8 188.6  
51 43.5 39.3 58.9  
86 63.9 51.1 76.7



#22  
trans-1,2-Dichloroethene  
Concen: 1.50 ppbv  
RT: 5.11 min Scan# 1250  
Delta R.T. 0.00 min  
Lab File: VL031282.D  
Acq: 20 Dec 2017 23:18

Tgt Ion: 96 Resp: 129839  
Ion Ratio Lower Upper  
96 100  
61 169.9 135.0 202.4  
98 63.8 50.5 75.7

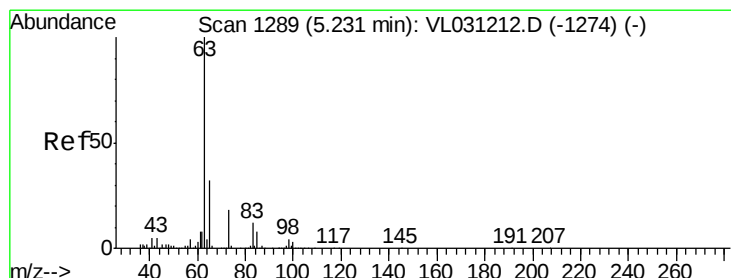
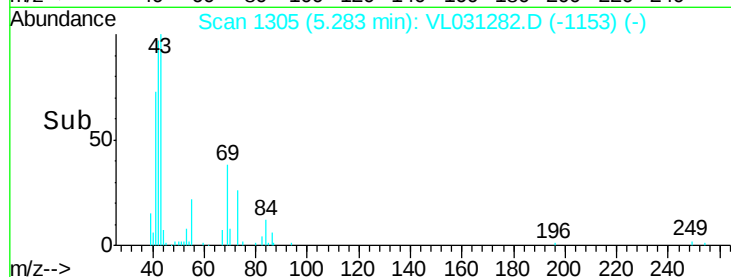
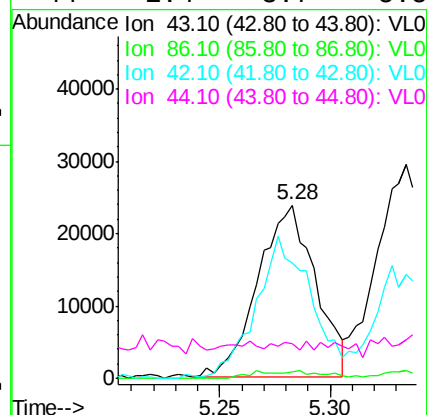
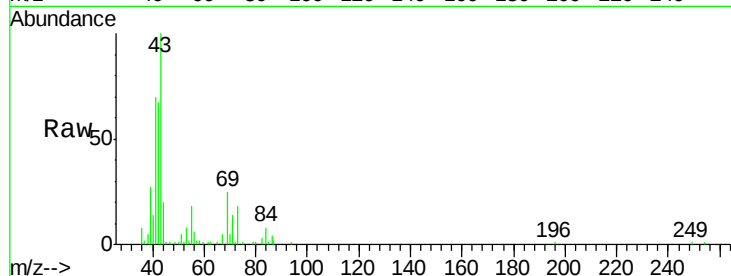




#23  
 Vinyl Acetate  
 Concen: 0.13 ppbv  
 RT: 5.28 min Scan# 1305  
 Delta R.T. -0.01 min  
 Lab File: VL031282.D  
 Acq: 20 Dec 2017 23:18

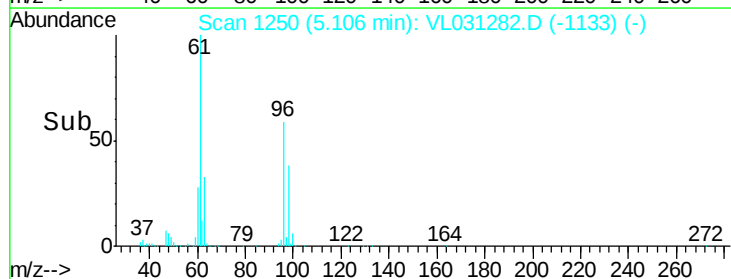
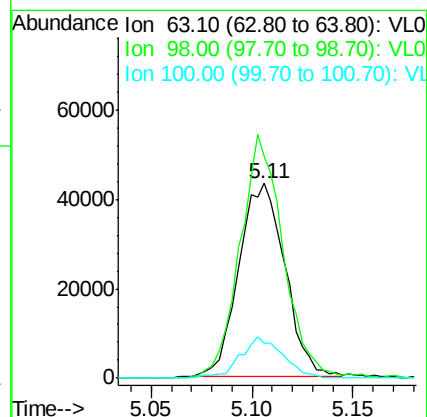
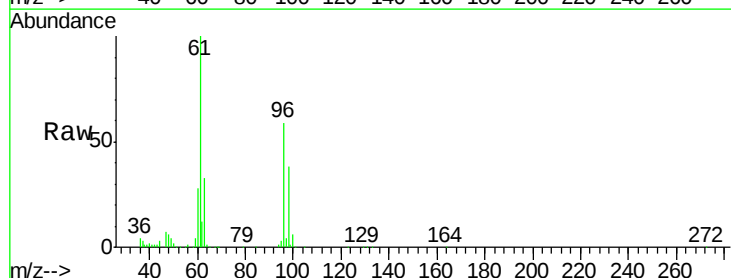
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EP1-SV-4DL

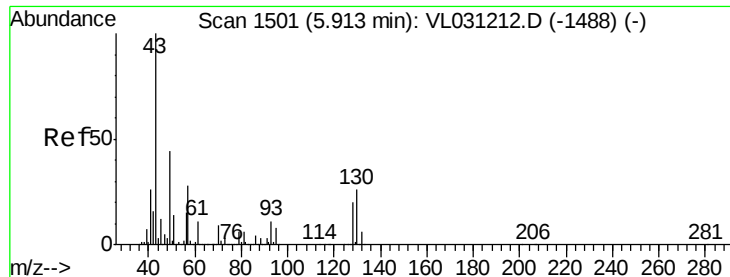
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 43035 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 3.9   | 5.9   | 8.9#  |
| 42       | 66.0  | 7.3   | 10.9# |
| 44       | 1.4   | 3.7   | 5.5#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.28 ppbv  
 RT: 5.11 min Scan# 1250  
 Delta R.T. -0.13 min  
 Lab File: VL031282.D  
 Acq: 20 Dec 2017 23:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 69434 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 114.2 | 2.3   | 6.8#  |
| 100      | 18.0  | 1.4   | 4.2#  |





#25

Ethyl Acetate

Concen: 0.09 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

EP1-SV-4DL

Tgt Ion: 43 Resp: 39789

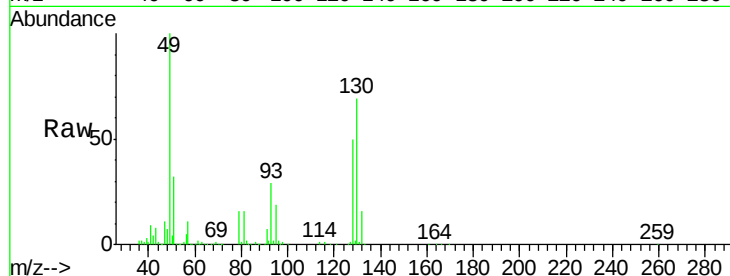
Ion Ratio Lower Upper

43 100

45 6.0 8.0 12.0#

61 0.0 7.4 11.0#

70 0.0 5.8 8.8#

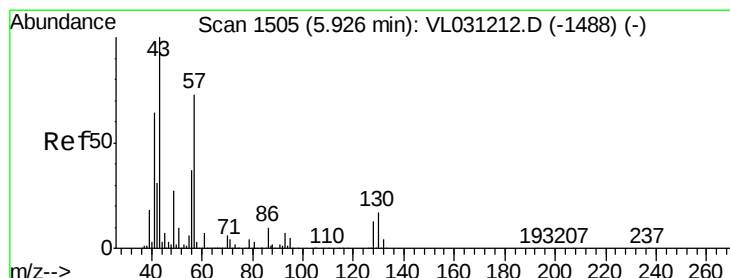
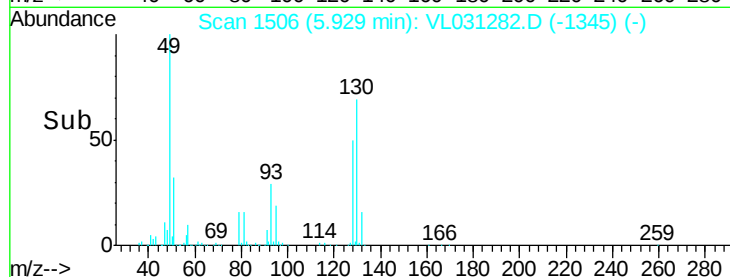
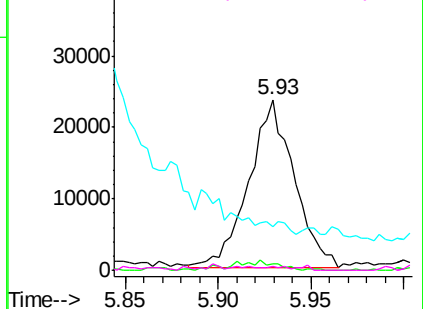


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.25 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Tgt Ion: 57 Resp: 52518

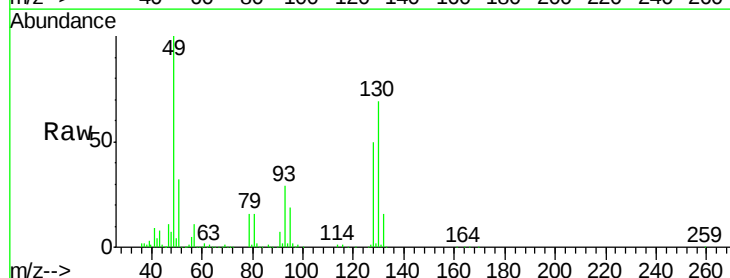
Ion Ratio Lower Upper

57 100

41 105.2 70.3 105.5

43 0.0 173.8 260.8#

56 57.3 41.7 62.5

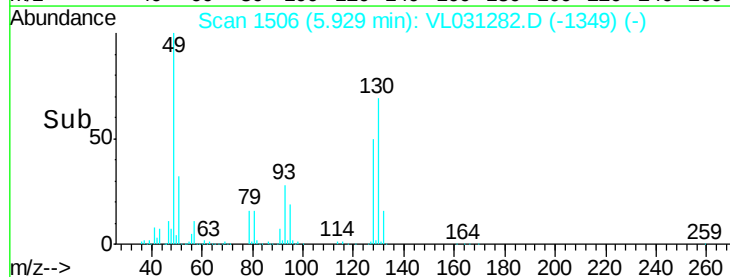
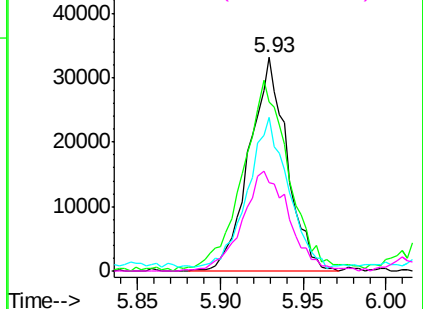


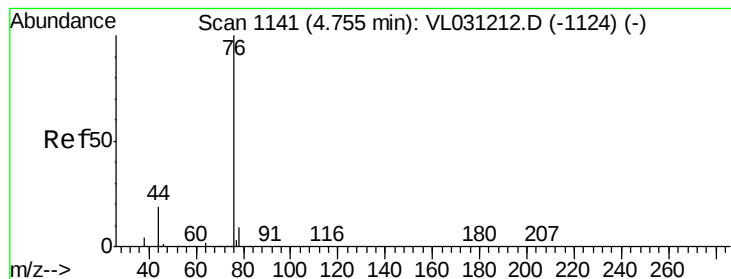
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.04 ppbv

RT: 4.76 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

EP1-SV-4DL

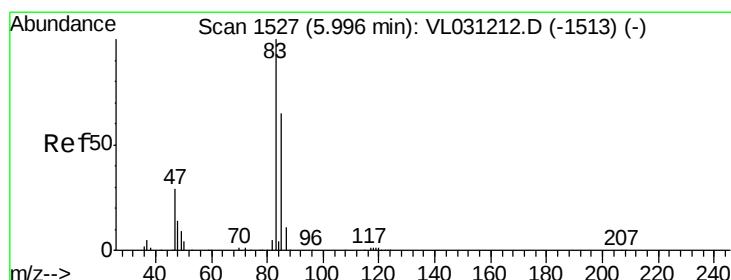
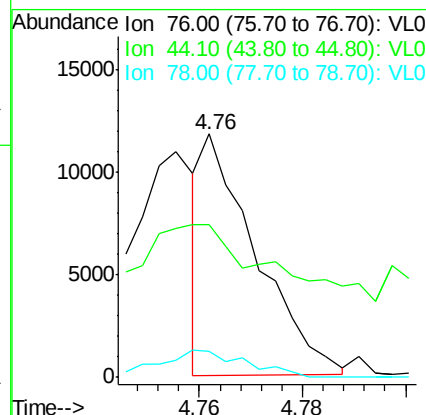
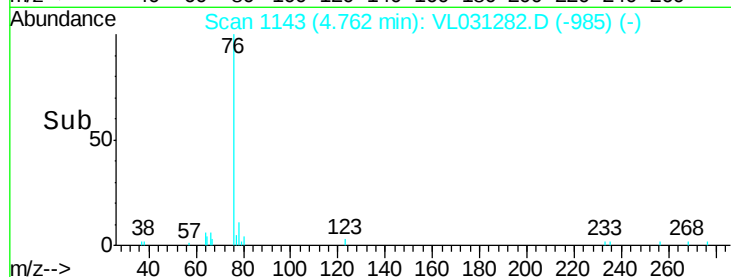
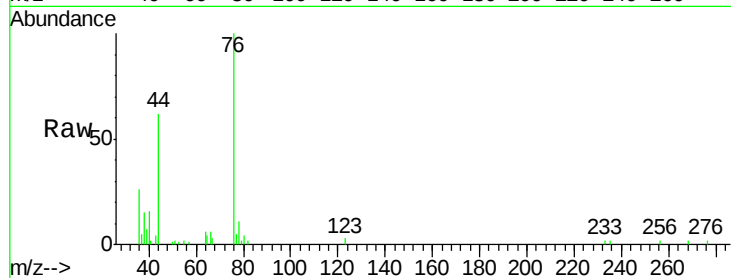
Tgt Ion: 76 Resp: 8510

Ion Ratio Lower Upper

76 100

44 64.8 16.0 24.0#

78 20.1 7.5 11.3#



#29

Chloroform

Concen: 0.12 ppbv

RT: 6.00 min Scan# 1528

Delta R.T. 0.00 min

Lab File: VL031282.D

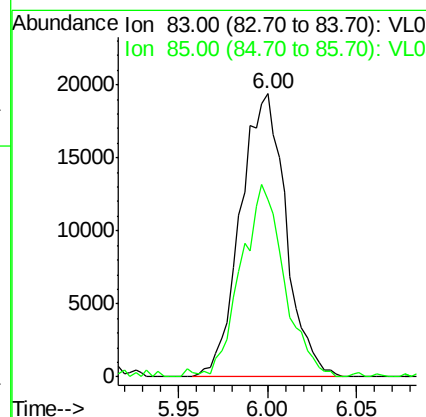
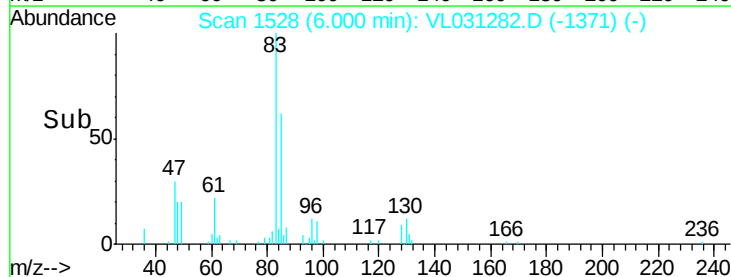
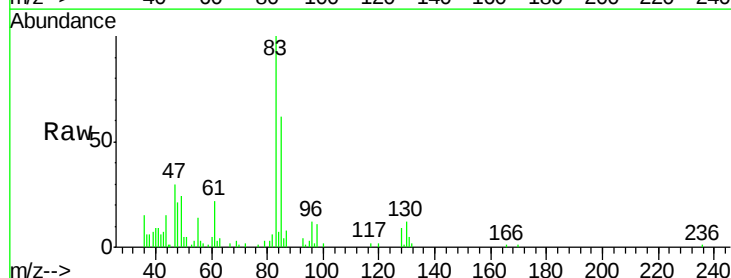
Acq: 20 Dec 2017 23:18

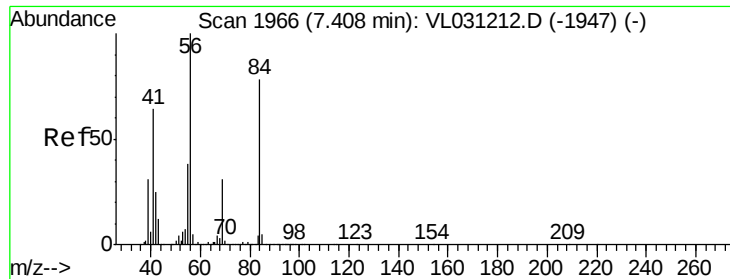
Tgt Ion: 83 Resp: 34433

Ion Ratio Lower Upper

83 100

85 62.4 51.8 77.6

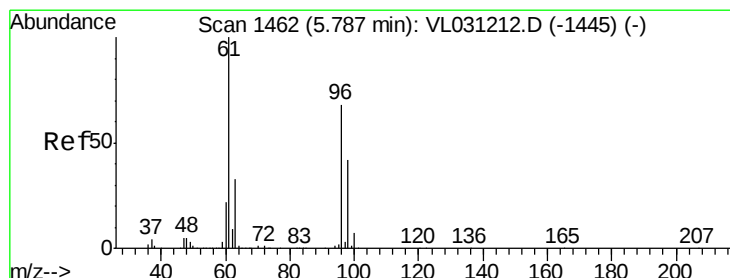
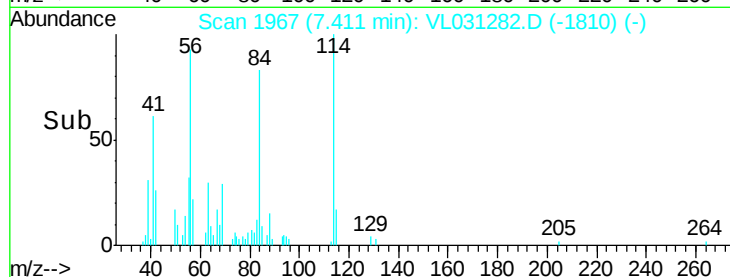
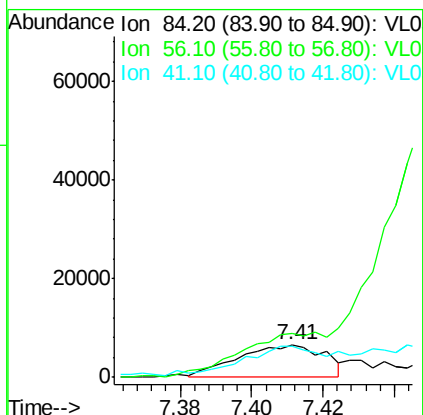
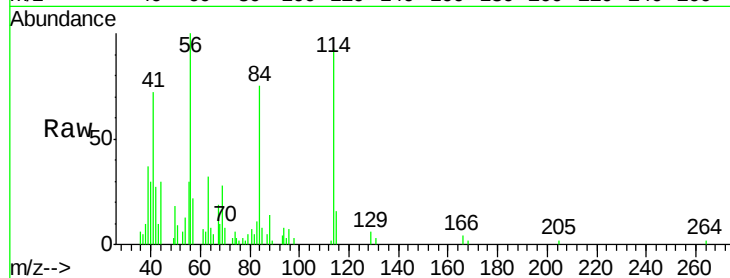




#30  
Cyclohexane  
Concen: 0.06 ppbv  
RT: 7.41 min Scan# 1967  
Delta R.T. 0.00 min  
Lab File: VL031282.D  
Acq: 20 Dec 2017 23:18

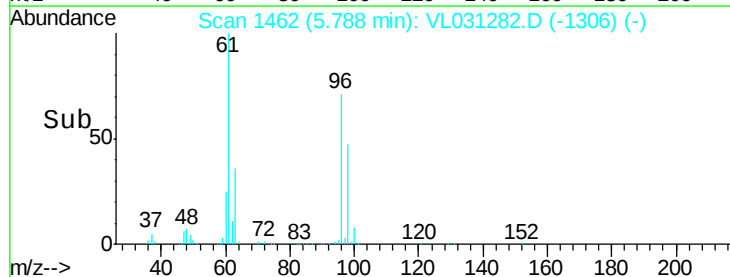
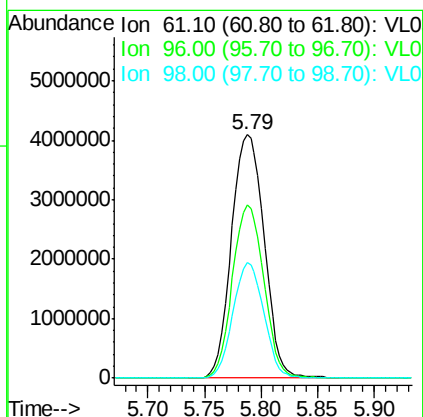
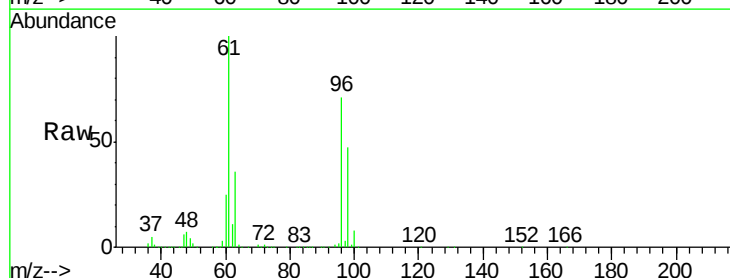
Instrument :  
MSVOA\_L  
ClientSampleId :  
EP1-SV-4DL

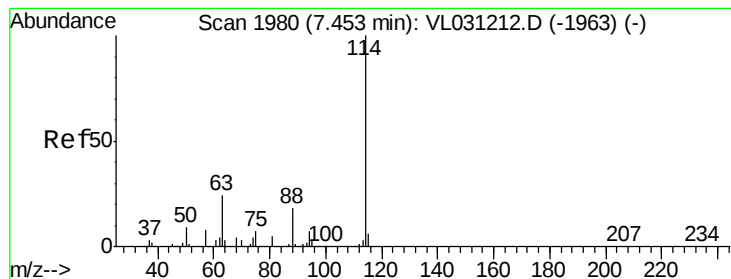
Tgt Ion: 84 Resp: 10982  
Ion Ratio Lower Upper  
84 100  
56 0.0 108.0 162.0#  
41 97.7 66.2 99.4



#31  
cis-1,2-Dichloroethene  
Concen: 44.11 ppbv  
RT: 5.79 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VL031282.D  
Acq: 20 Dec 2017 23:18

Tgt Ion: 61 Resp: 8264583  
Ion Ratio Lower Upper  
61 100  
96 71.2 54.4 81.6  
98 47.3 33.6 50.4





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.45 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

EP1-SV-4DL

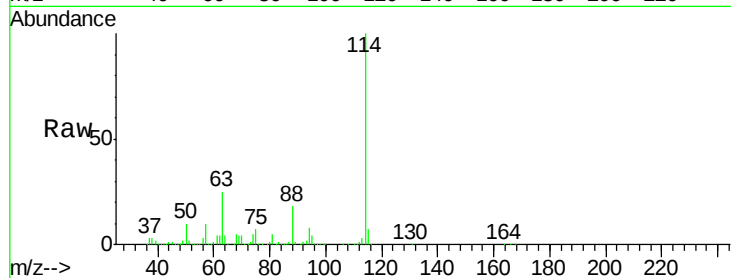
Tgt Ion:114 Resp: 3768135

Ion Ratio Lower Upper

114 100

63 25.6 19.8 29.8

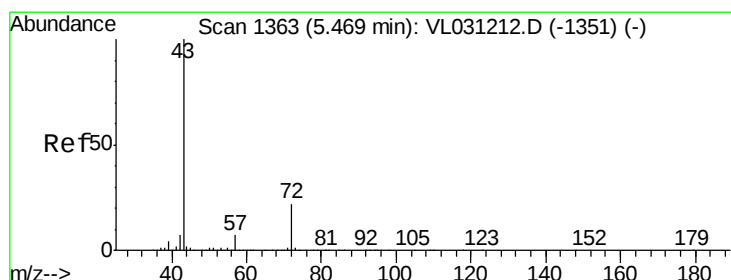
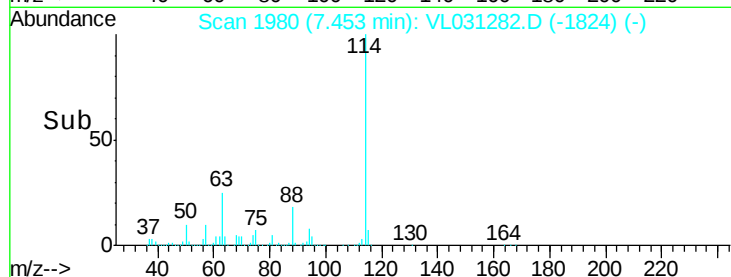
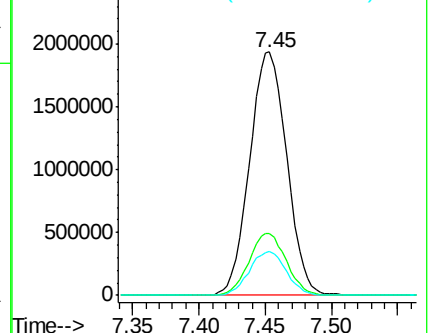
88 17.9 14.2 21.4



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: 5.79 ppbv

RT: 5.48 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VL031282.D

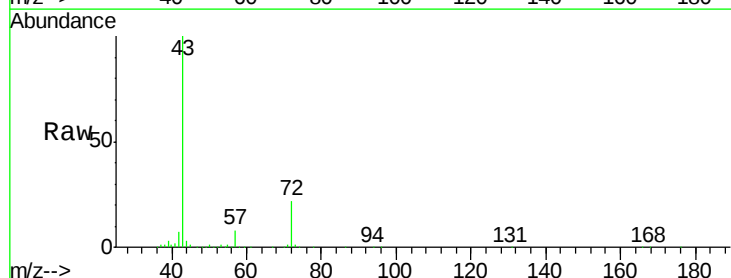
Acq: 20 Dec 2017 23:18

Tgt Ion: 43 Resp: 1541145

Ion Ratio Lower Upper

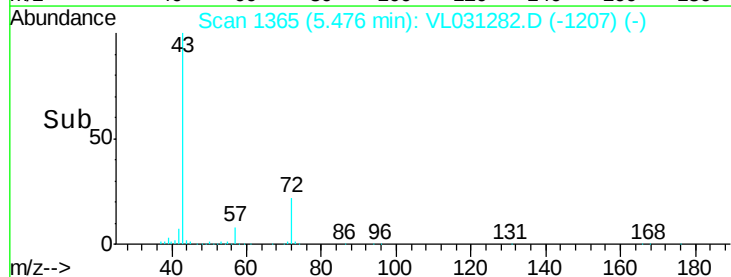
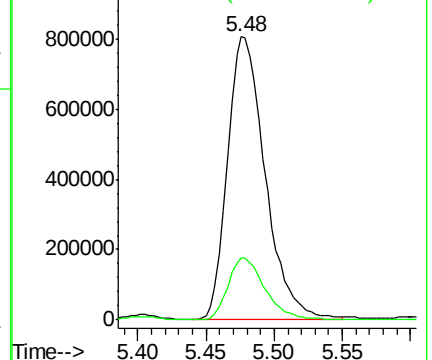
43 100

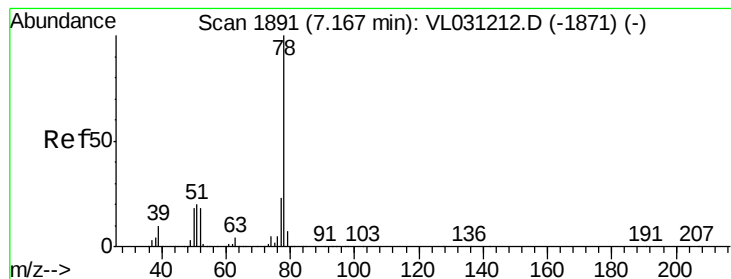
72 21.8 18.1 27.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.21 ppbv

RT: 7.17 min Scan# 1892

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampled :

EP1-SV-4DL

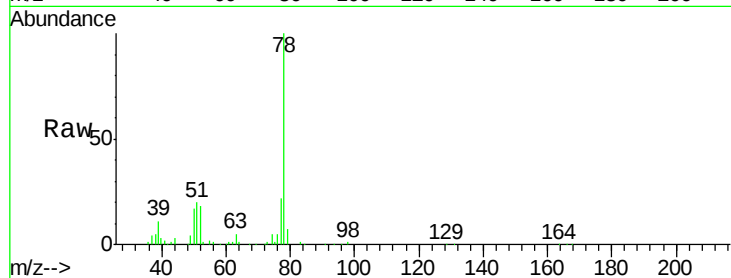
Tgt Ion: 78 Resp: 84352

Ion Ratio Lower Upper

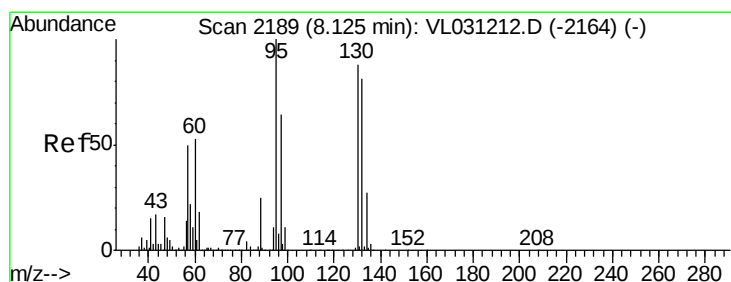
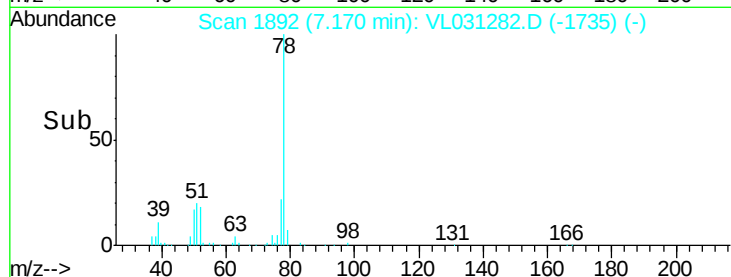
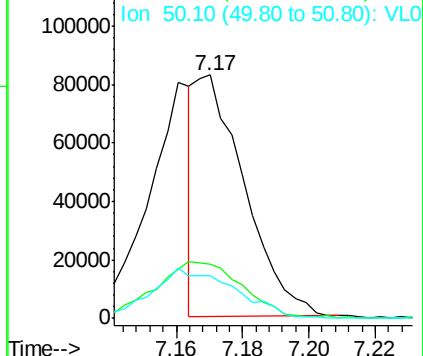
78 100

77 22.3 18.1 27.1

50 17.6 14.6 21.8



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



#38

Trichloroethene

Concen: 23.63 ppbv

RT: 8.13 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Tgt Ion: 130 Resp: 3681060

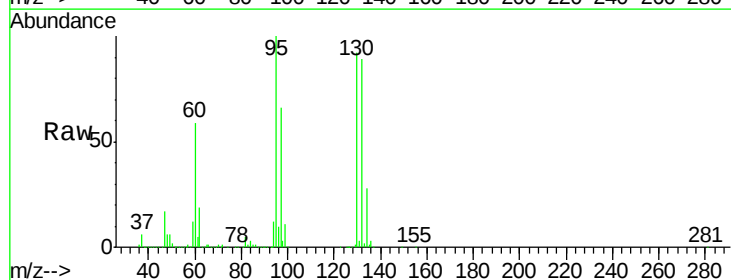
Ion Ratio Lower Upper

130 100

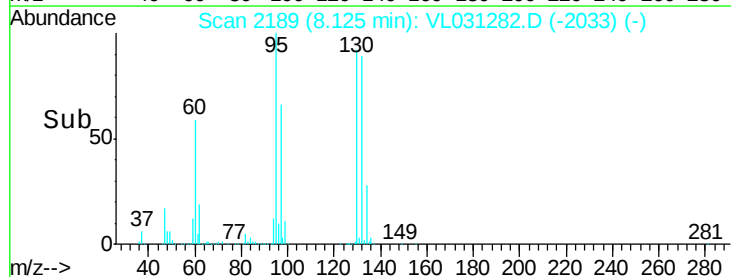
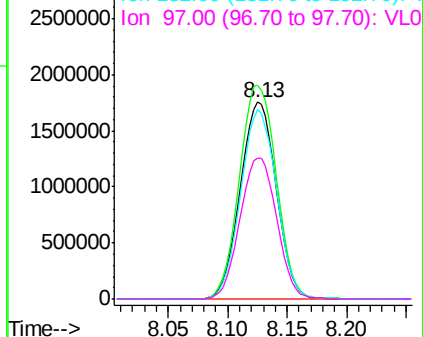
95 108.4 90.6 135.8

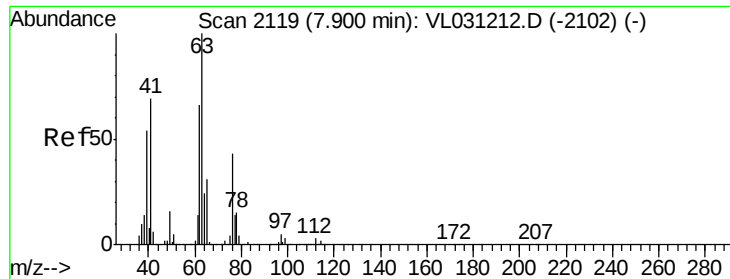
132 96.1 73.5 110.3

97 71.8 57.8 86.8



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

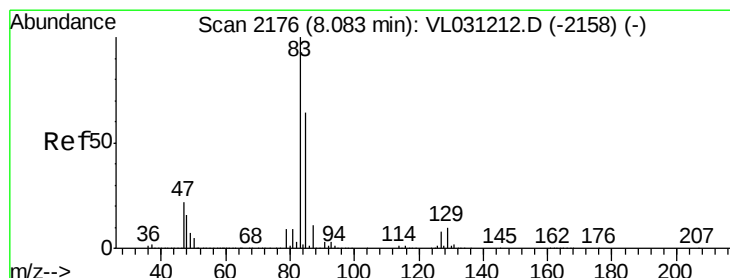
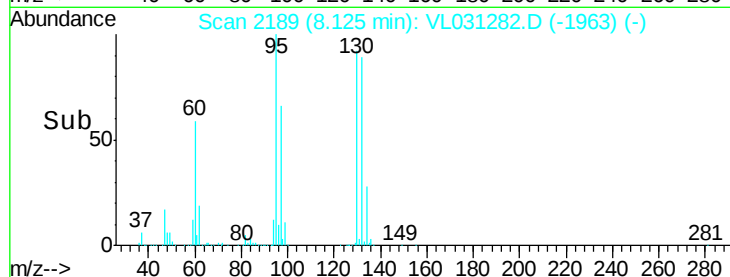
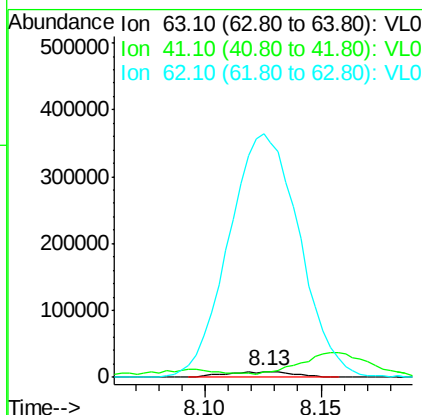
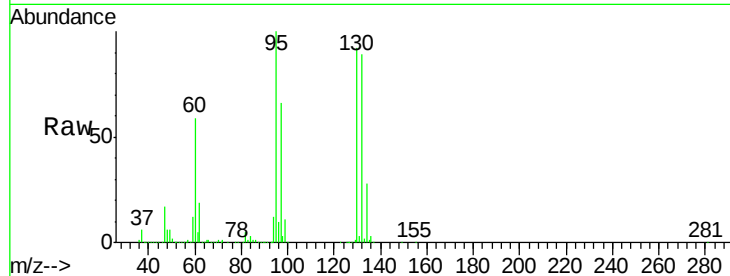




#39  
 1,2-Dichloropropane  
 Concen: 0.11 ppbv  
 RT: 8.13 min Scan# 2189  
 Delta R.T. 0.23 min  
 Lab File: VL031282.D  
 Acq: 20 Dec 2017 23:18

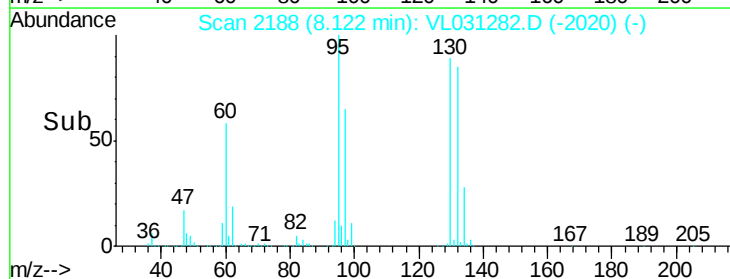
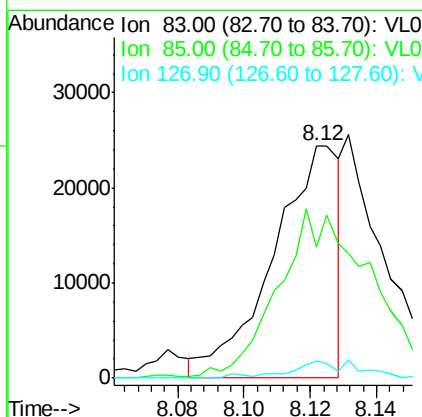
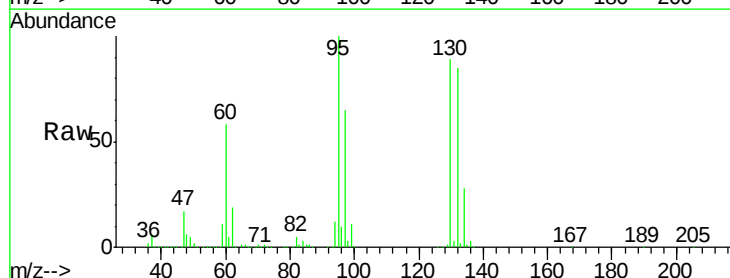
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EP1-SV-4DL

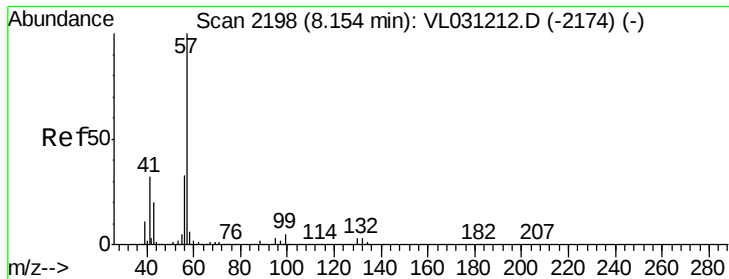
Tgt Ion: 63 Resp: 15736  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 55.2 82.8#  
 62 4023.2 53.0 79.4#



#42  
 Bromodichloromethane  
 Concen: 0.13 ppbv  
 RT: 8.12 min Scan# 2188  
 Delta R.T. 0.04 min  
 Lab File: VL031282.D  
 Acq: 20 Dec 2017 23:18

Tgt Ion: 83 Resp: 33902  
 Ion Ratio Lower Upper  
 83 100  
 85 60.3 51.5 77.3  
 127 7.7 6.5 9.7

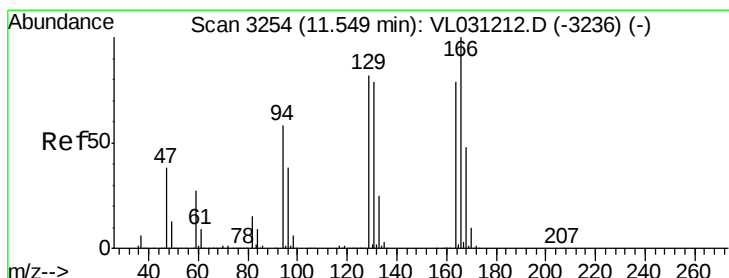
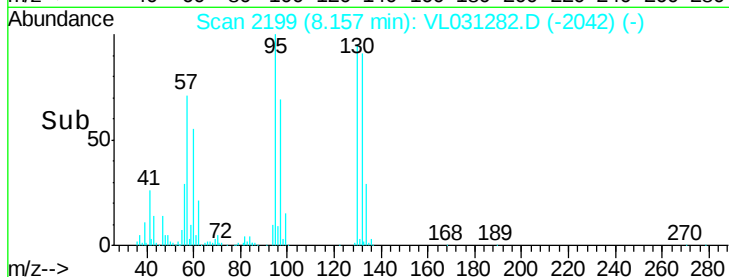
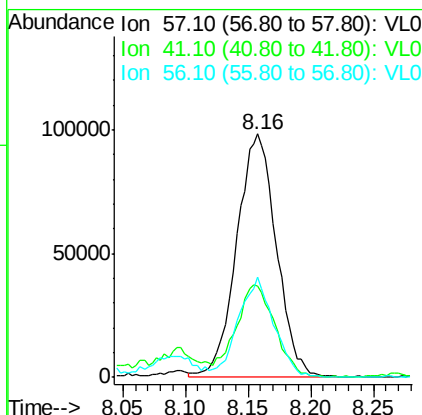
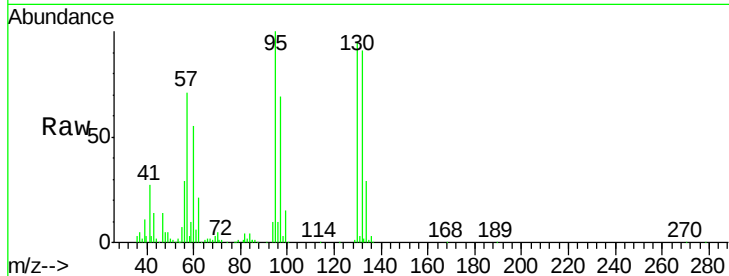




#44  
 2,2,4-Trimethylpentane  
 Concen: 0.36 ppbv  
 RT: 8.16 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VL031282.D  
 Acq: 20 Dec 2017 23:18

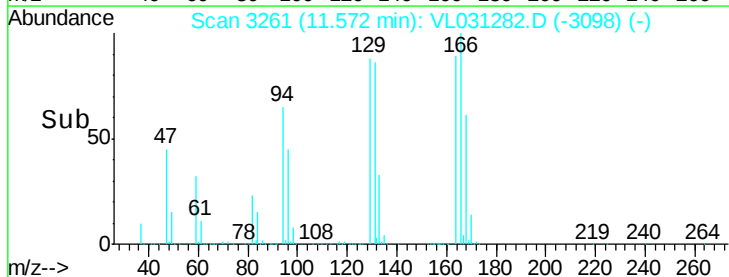
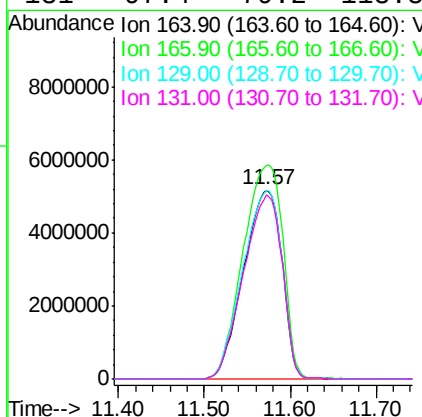
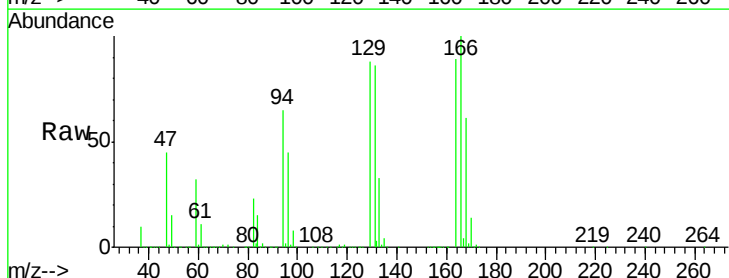
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 MSVOA\_L  
 ClientSampleId :  
 EP1-SV-4DL

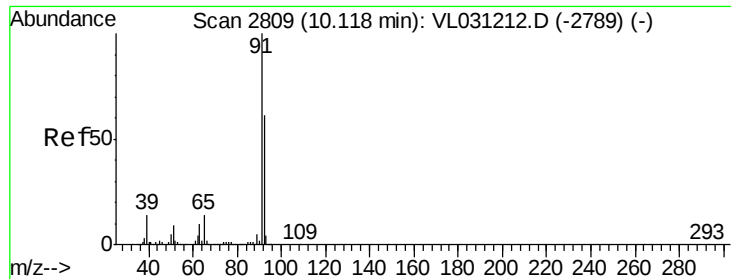
Tgt Ion: 57 Resp: 216683  
 Ion Ratio Lower Upper  
 57 100  
 41 38.8 25.5 38.3#  
 56 36.4 25.0 37.6



#52  
 Tetrachloroethene  
 Concen: 109.43 ppbv  
 RT: 11.57 min Scan# 3261  
 Delta R.T. 0.02 min  
 Lab File: VL031282.D  
 Acq: 20 Dec 2017 23:18

Tgt Ion: 164 Resp: 16122619  
 Ion Ratio Lower Upper  
 164 100  
 166 112.9 100.6 151.0  
 129 99.5 82.9 124.3  
 131 97.4 79.2 118.8





#53

Toluene

Concen: 0.14 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

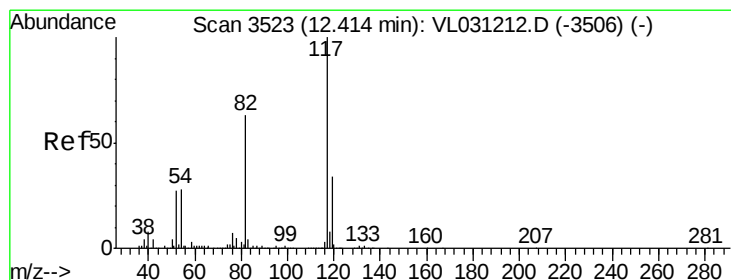
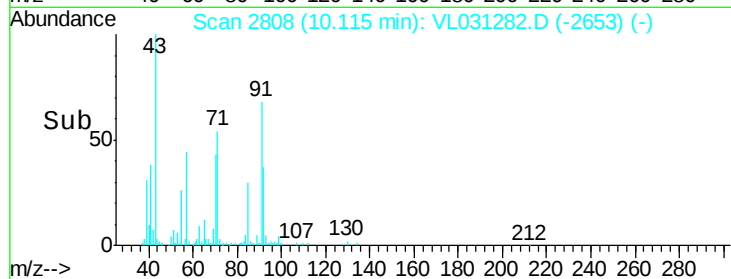
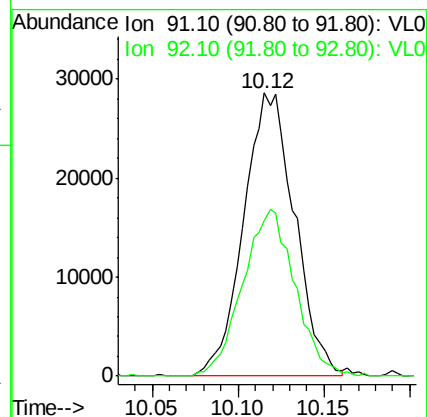
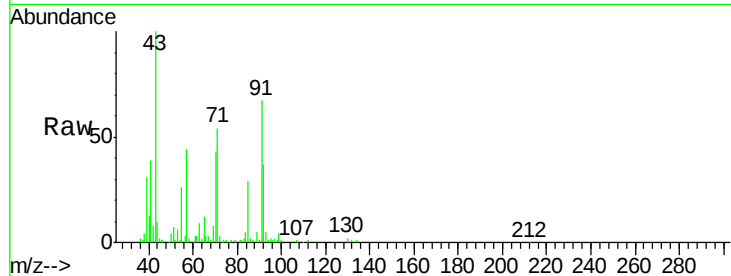
EP1-SV-4DL

Tgt Ion: 91 Resp: 58948

Ion Ratio Lower Upper

91 100

92 60.4 49.1 73.7



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.42 min Scan# 3524

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

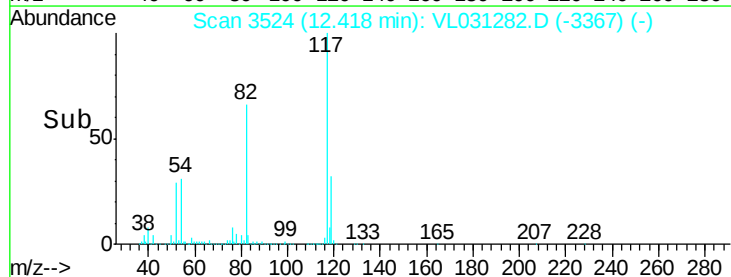
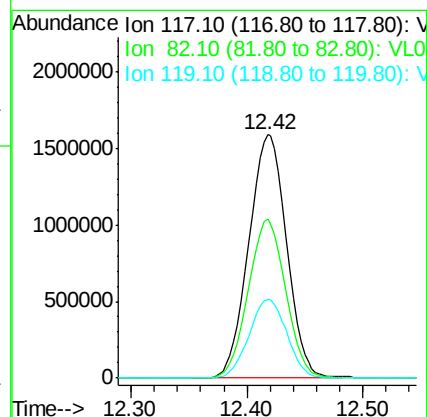
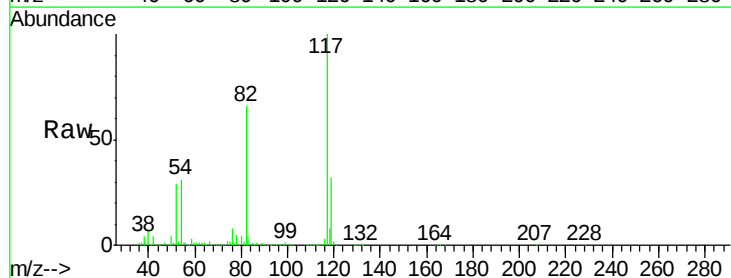
Tgt Ion: 117 Resp: 3601662

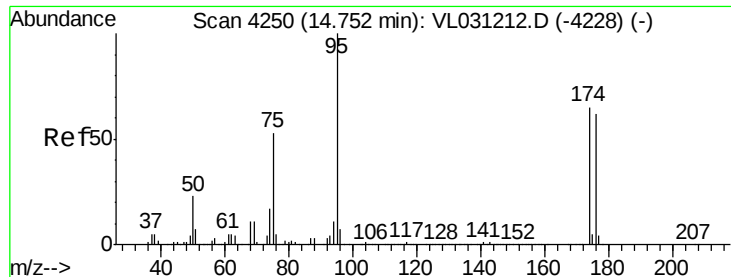
Ion Ratio Lower Upper

117 100

82 65.4 48.1 72.1

119 32.7 23.1 34.7





#68

1-Bromo-4-Fluorobenzene

Concen: 11.06 ppbv

RT: 14.75 min Scan# 4250

Delta R.T. 0.00 min

Lab File: VL031282.D

Acq: 20 Dec 2017 23:18

Instrument :

MSVOA\_L

ClientSampleId :

EP1-SV-4DL

Tgt Ion: 95 Resp: 2832130

Ion Ratio Lower Upper

95 100

174 61.2 52.5 78.7

175 4.6 4.1 6.1

