

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\  
 Data File : VW011460.D  
 Acq On : 24 Jul 2019 04:24  
 Operator : SY/VA  
 Sample : K3934-10  
 Misc : 5.85G/5ML/MSVOA W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1S-2

Quant Time: Jul 24 06:43:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 11 08:14:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 247934   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 413564   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 327436   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 156711   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 154359   | 49.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.10%  |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 122522   | 49.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.40%  |          |
| 50) Toluene-d8              | 10.32 | 98   | 509857   | 51.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.34% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 202724   | 55.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.02% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 5.22  | 59   | 1935     | 8.389     | ug/l # | 83     |
| 13) Acrolein                   | 3.89  | 56   | 273      | 1.486     | ug/l # | 14     |
| 16) Acetone                    | 4.13  | 43   | 75358    | 100.531   | ug/l   | 97     |
| 17) Carbon Disulfide           | 4.38  | 76   | 12951    | 1.551     | ug/l   | 97     |
| 18) Methyl Acetate             | 4.68  | 43   | 2582     | Below Cal | #      | 84     |
| 20) Methylene Chloride         | 4.92  | 84   | 9574     | 3.238     | ug/l   | 88     |
| 25) 2-Butanone                 | 7.18  | 43   | 26411    | 22.446    | ug/l   | 97     |
| 26) 2,2-Dichloropropane        | 7.14  | 77   | 6421     | 2.178     | ug/l # | 53     |
| 29) Tetrahydrofuran            | 7.53  | 42   | 1802     | 2.336     | ug/l   | 98     |
| 31) Cyclohexane                | 7.95  | 56   | 7848     | 1.300     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 20463    | 4.646     | ug/l # | 52     |
| 37) Ethyl Acetate              | 7.18  | 43   | 26411    | 9.981     | ug/l # | 72     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 24785    | 6.639     | ug/l # | 15     |
| 39) Methylcyclohexane          | 9.30  | 83   | 11649    | 2.182     | ug/l # | 38     |
| 40) Benzene                    | 8.32  | 78   | 252777   | 20.769    | ug/l   | 99     |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 3498     | 1.340     | ug/l # | 48     |
| 52) Toluene                    | 10.39 | 92   | 29197    | 3.955     | ug/l   | 96     |
| 55) 1,1,2-Trichloroethane      | 10.76 | 97   | 20937    | 9.532     | ug/l # | 39     |
| 56) Ethyl methacrylate         | 10.66 | 69   | 31257    | 9.347     | ug/l # | 8      |
| 59) 2-Hexanone                 | 10.93 | 43   | 41113    | 22.717    | ug/l # | 37     |
| 67) Ethyl Benzene              | 11.73 | 91   | 32914    | 2.583     | ug/l   | 97     |
| 68) m/p-Xylenes                | 11.83 | 106  | 13432    | 2.913     | ug/l   | 87     |
| 69) o-Xylene                   | 12.16 | 106  | 8142     | 1.873     | ug/l   | 67     |
| 71) Bromoform                  | 12.31 | 173  | 2830     | 2.271     | ug/l # | 28     |
| 74) N-amyl acetate             | 12.22 | 43   | 138657   | 33.985    | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.69 | 83   | 64506    | 26.862    | ug/l # | 55     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 76604    | 42.299    | ug/l # | 100    |
| 78) n-propylbenzene            | 12.80 | 91   | 40058    | 2.776     | ug/l   | 83     |
| 79) 2-Chlorotoluene            | 12.87 | 91   | 13378    | 1.611     | ug/l # | 70     |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 76604    | 95.673    | ug/l # | 21     |
| 85) sec-Butylbenzene           | 13.38 | 105  | 15975    | 1.334     | ug/l # | 44     |
| 89) n-Butylbenzene             | 13.82 | 91   | 17396    | 1.623     | ug/l   | 78     |
| 93) 1,2,4-Trichlorobenzene     | 15.17 | 180  | 21834    | 6.908     | ug/l # | 12     |
| 95) Naphthalene                | 15.33 | 128  | 23041    | 3.804     | ug/l # | 1      |

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Acq On : 24 Jul 2019 04:24  
Operator : SY/VA  
Sample : K3934-10  
Misc : 5.85G/5ML/MSVOA W/SOIL  
ALS Vial : 25 Sample Multiplier: 1

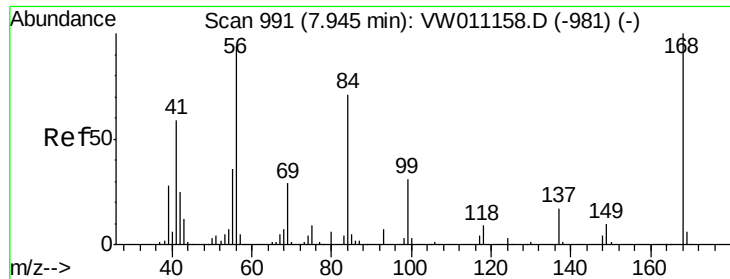
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1S-2

Quant Time: Jul 24 06:43:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.63 | 180  | 23356    | 8.373 | ug/l  | 89       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

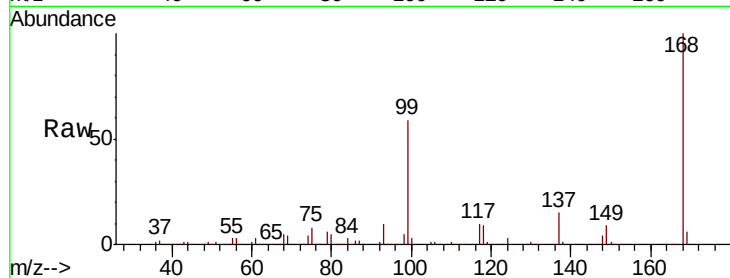
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-1S-2

Tot Ion:168 Resp: 247934

Ion Ratio Lower Upper

168 100

99 58.5 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

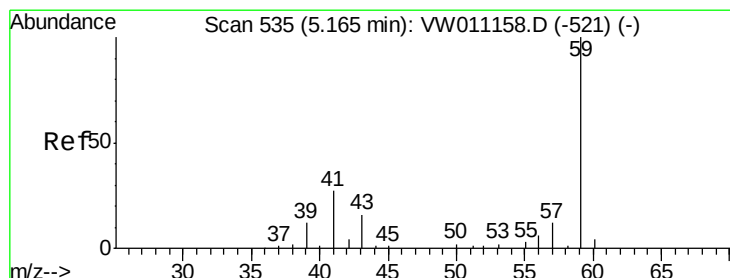
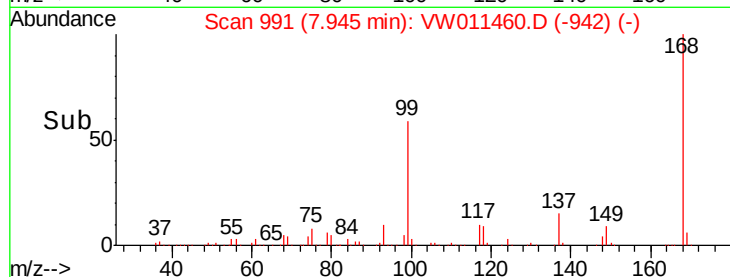
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 8.389 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011460.D

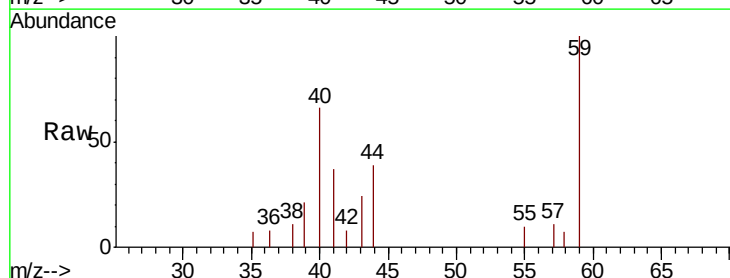
Acq: 24 Jul 2019 04:24

Tgt Ion: 59 Resp: 1935

Ion Ratio Lower Upper

59 100

57 17.9 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

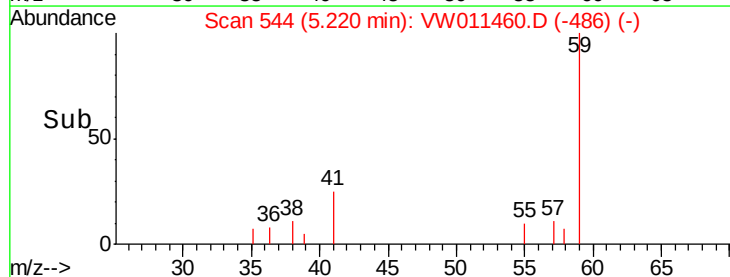
1500

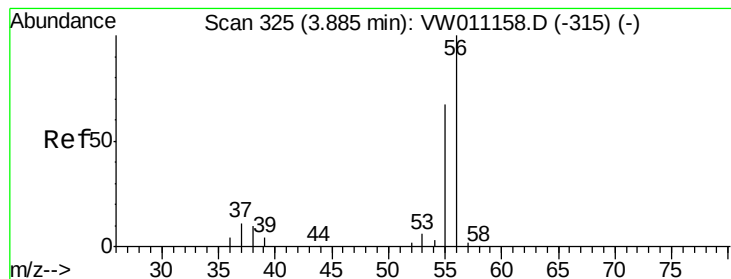
1000

500

0

Time--> 5.20 5.25 5.30





#13

Acrolein

Concen: 1.486 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampled :

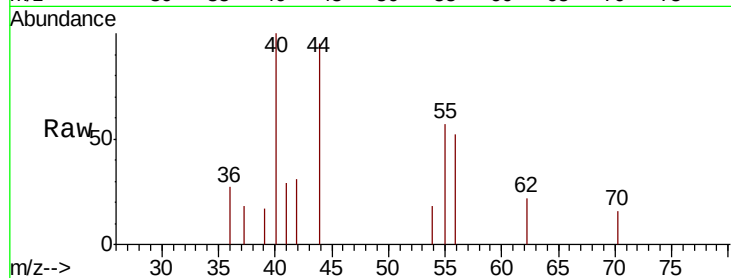
TP-1S-2

Tot Ion: 56 Resp: 273

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

800

600

400

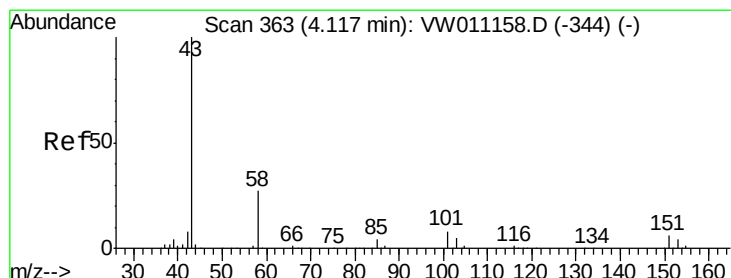
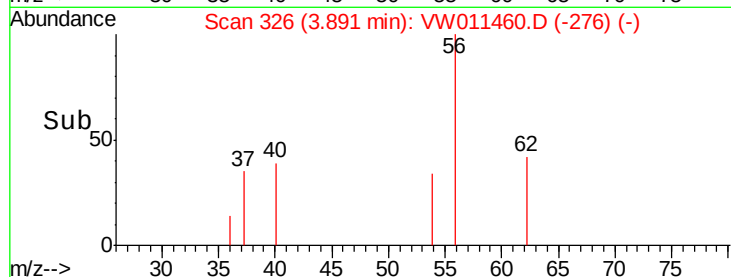
200

0

3.86 3.88 3.90 3.92 3.94

3.89

Time-->



#16

Acetone

Concen: 100.531 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011460.D

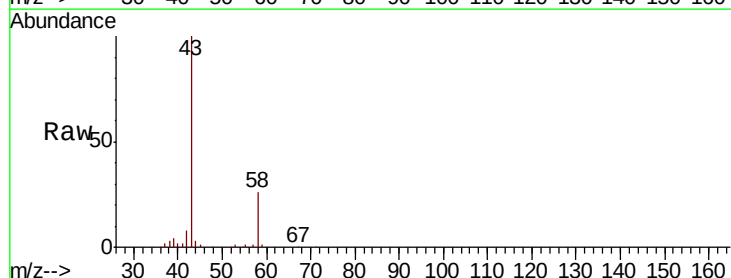
Acq: 24 Jul 2019 04:24

Tgt Ion: 43 Resp: 75358

Ion Ratio Lower Upper

43 100

58 25.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

10000

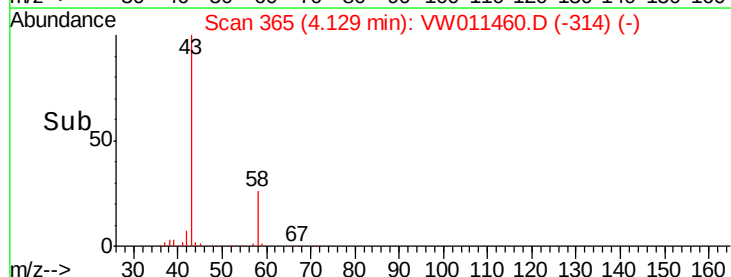
5000

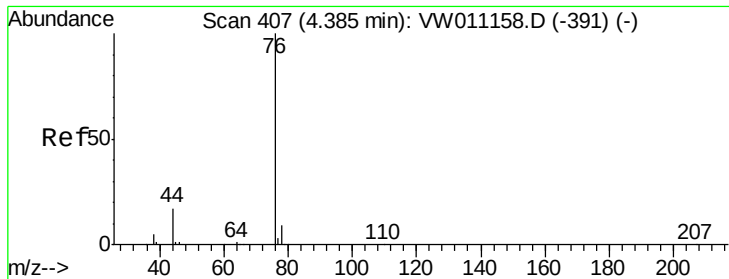
0

4.00 4.10 4.20 4.30

4.13

Time-->





#17

Carbon Disulfide

Concen: 1.551 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampleId :

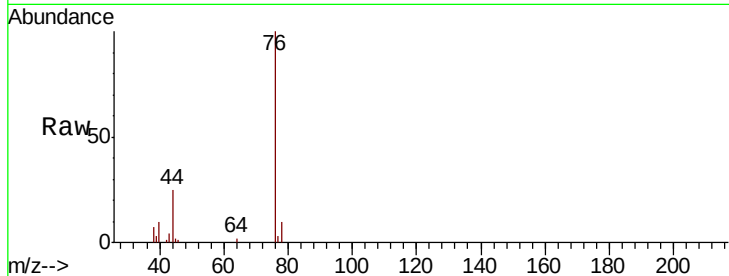
TP-1S-2

Tot Ion: 76 Resp: 12951

Ion Ratio Lower Upper

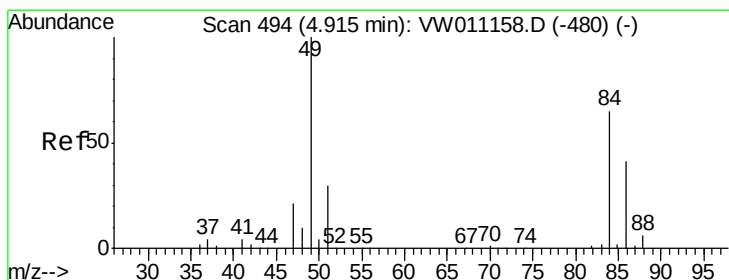
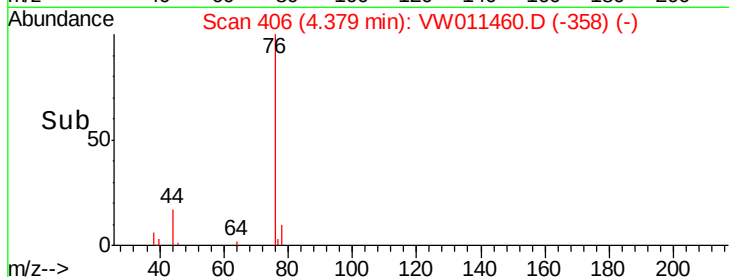
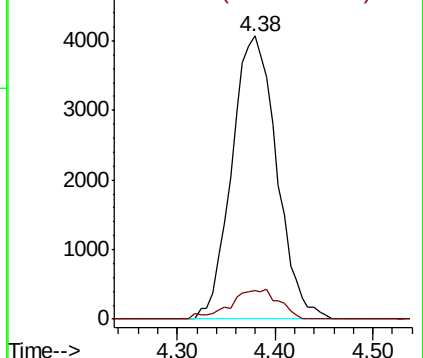
76 100

78 9.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 3.238 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Tgt Ion: 84 Resp: 9574

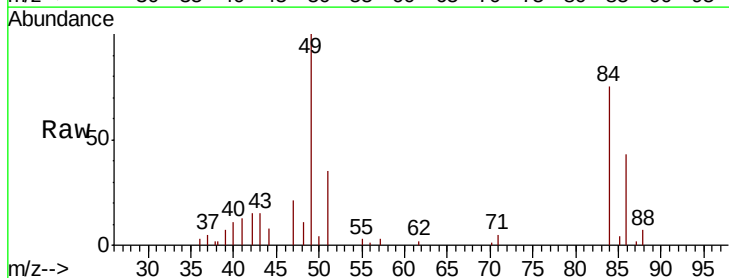
Ion Ratio Lower Upper

84 100

49 133.5 123.8 185.6

51 46.7 37.4 56.2

86 57.6 51.1 76.7

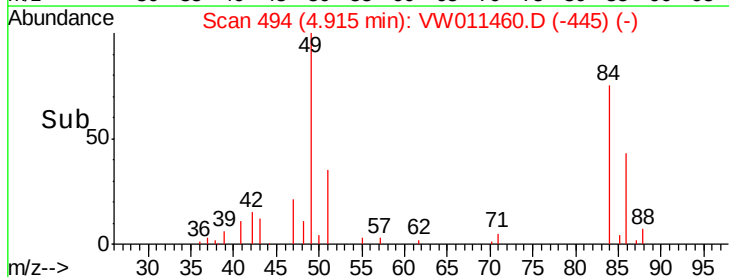
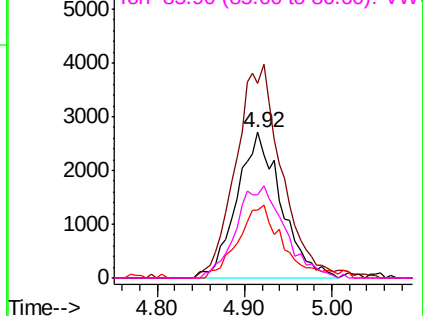


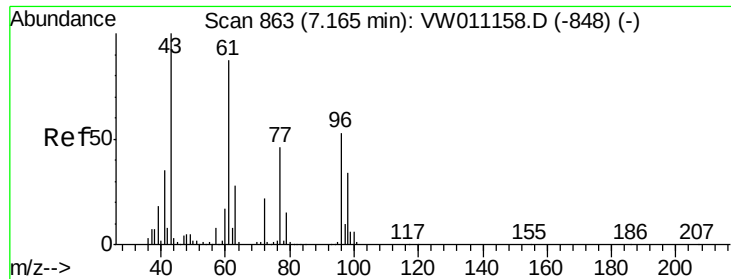
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 22.446 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampleId :

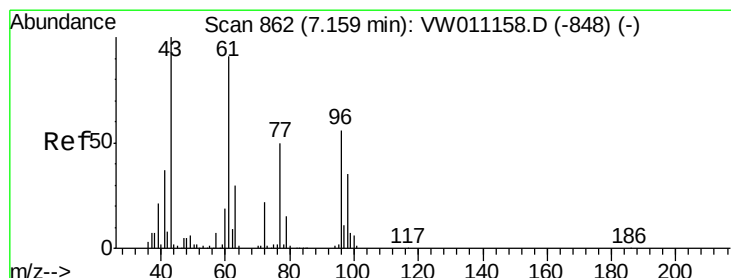
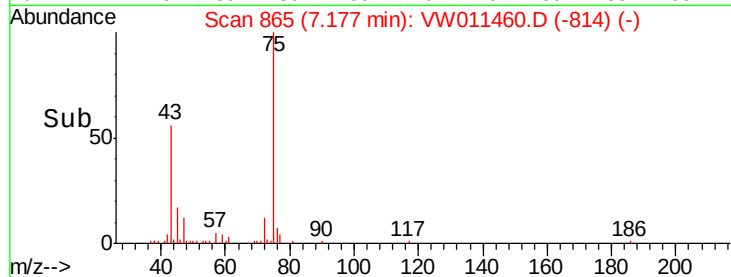
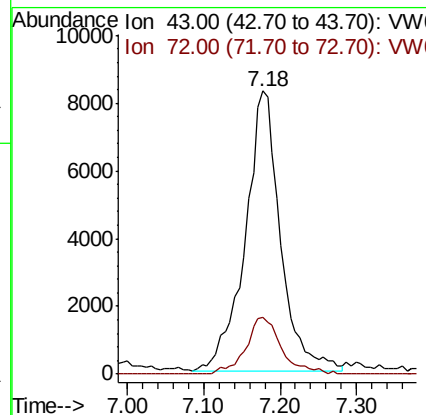
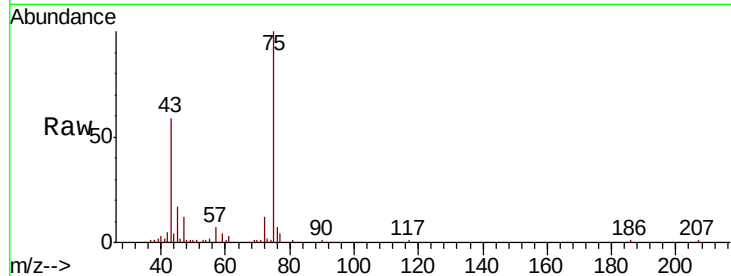
TP-1S-2

Tot Ion: 43 Resp: 26411

Ion Ratio Lower Upper

43 100

72 20.5 17.6 26.4



#26

2,2-Dichloropropane

Concen: 2.178 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011460.D

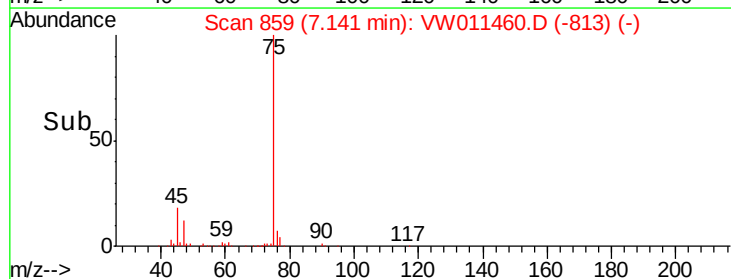
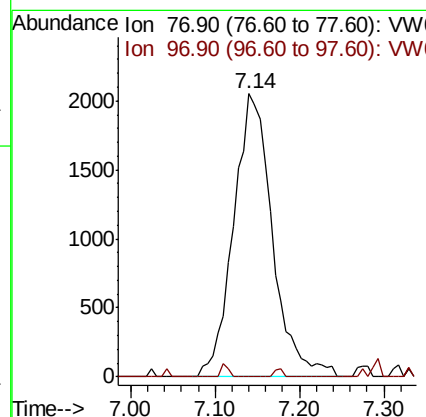
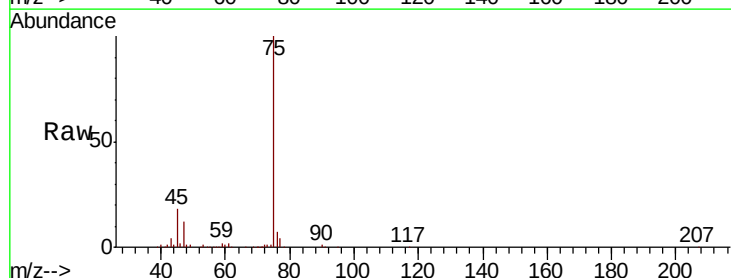
Acq: 24 Jul 2019 04:24

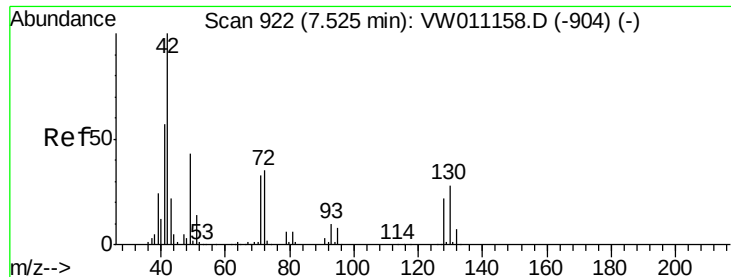
Tgt Ion: 77 Resp: 6421

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#

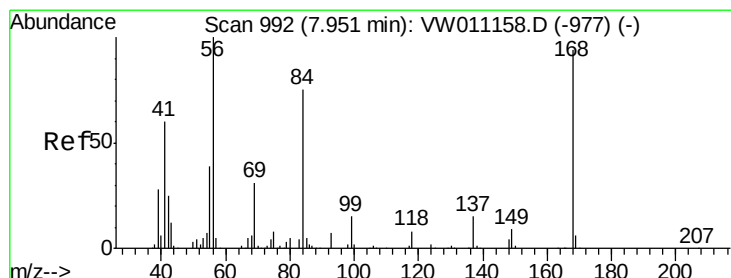
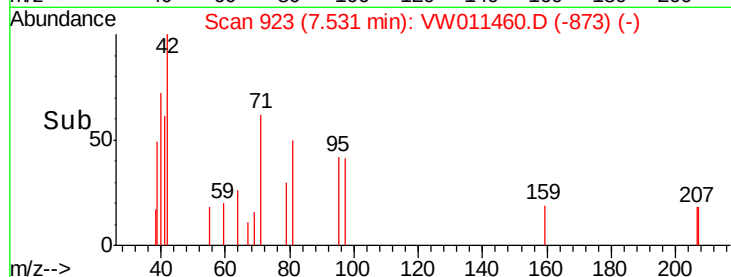
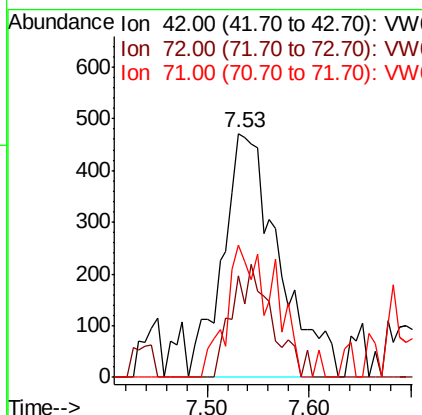
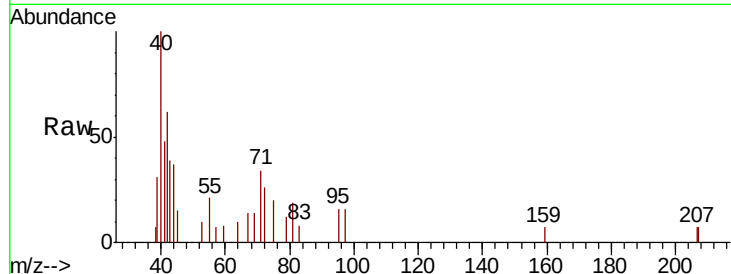




#29  
Tetrahydrofuran  
Concen: 2.336 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

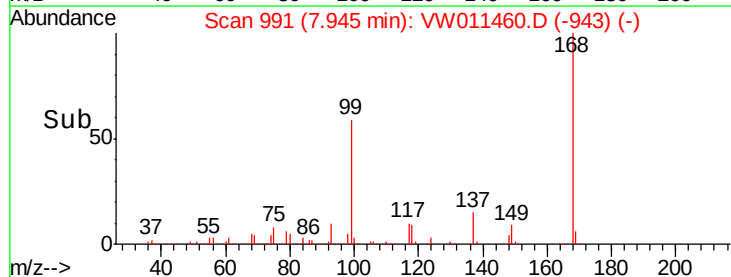
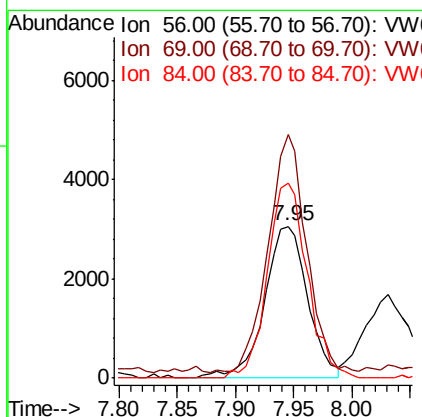
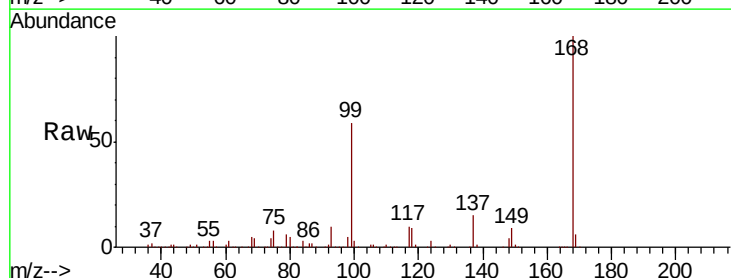
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1S-2

Tot Ion: 42 Resp: 1802  
Ion Ratio Lower Upper  
42 100  
72 33.2 27.4 41.2  
71 33.9 25.9 38.9

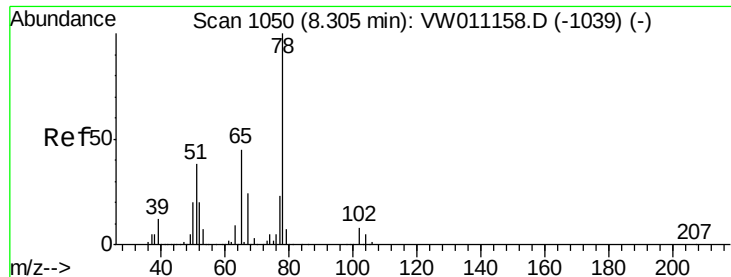


#31  
Cyclohexane  
Concen: 1.300 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 56 Resp: 7848  
Ion Ratio Lower Upper  
56 100  
69 155.0 24.6 36.8#  
84 128.0 60.1 90.1#



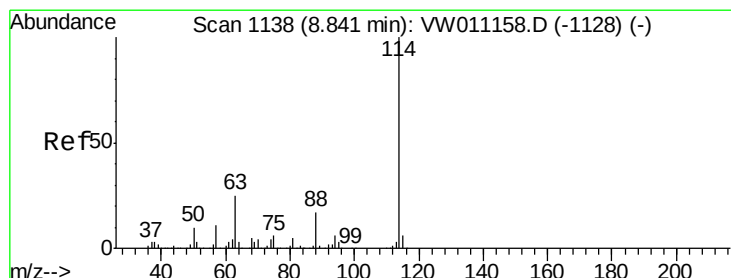
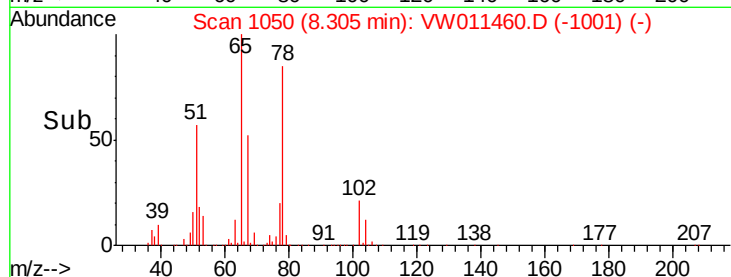
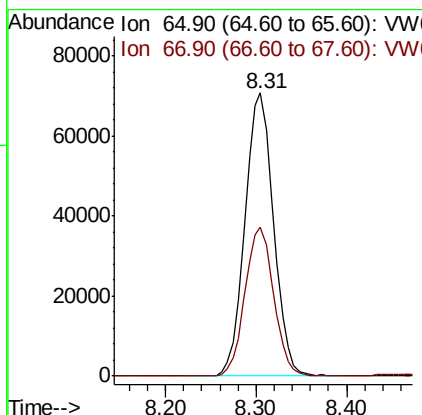
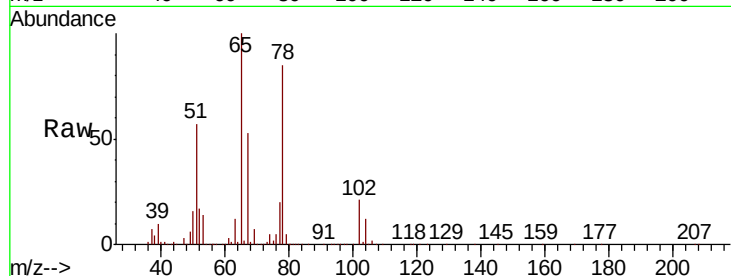




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.547 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW011460.D  
 Acq: 24 Jul 2019 04:24

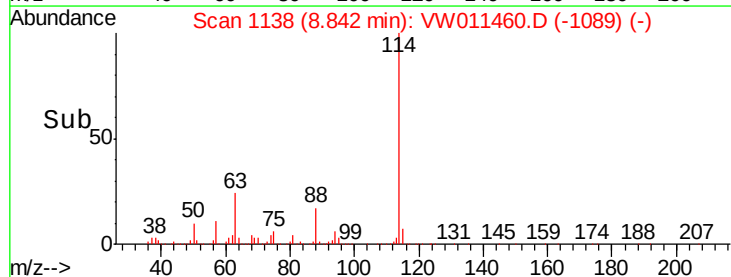
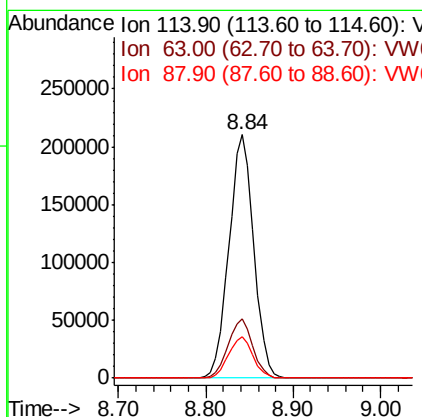
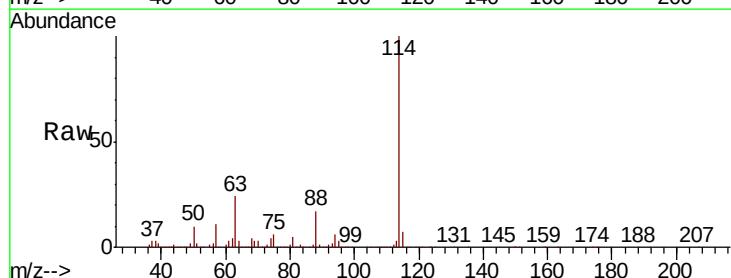
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1S-2

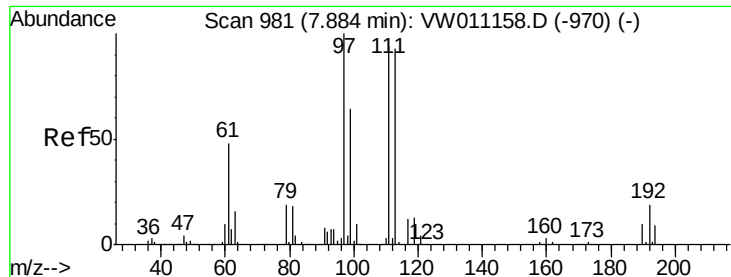
Tot Ion: 65 Resp: 154359  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011460.D  
 Acq: 24 Jul 2019 04:24

Tgt Ion: 114 Resp: 413564  
 Ion Ratio Lower Upper  
 114 100  
 63 24.4 0.0 50.8  
 88 16.8 0.0 34.2

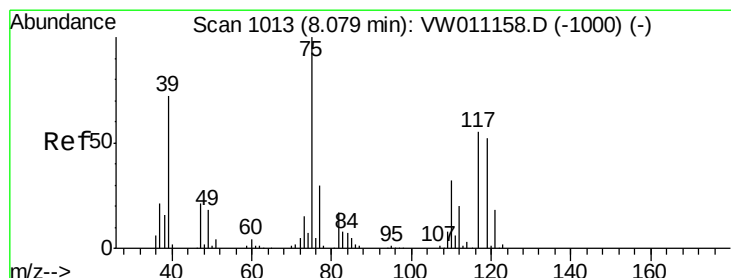
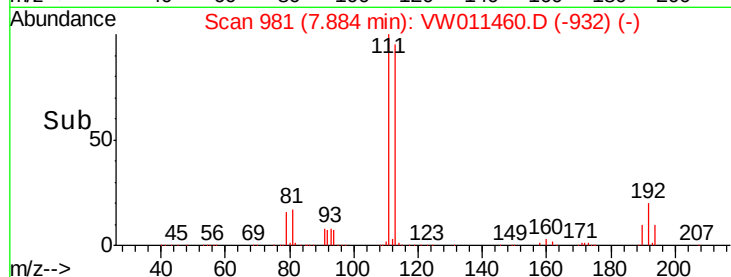
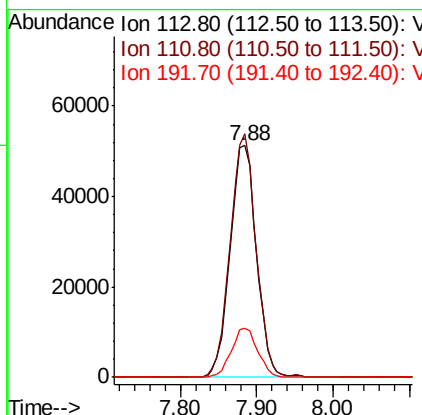
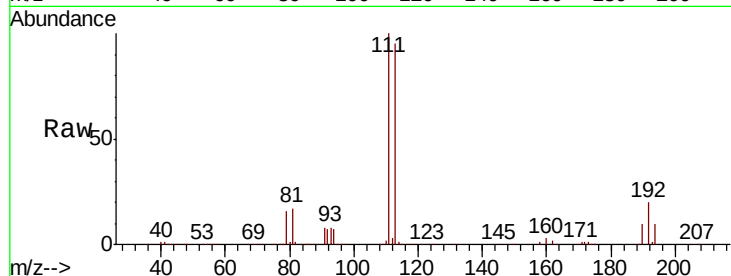




#35  
 Dibromofluoromethane  
 Concen: 49.704 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW011460.D  
 Acq: 24 Jul 2019 04:24

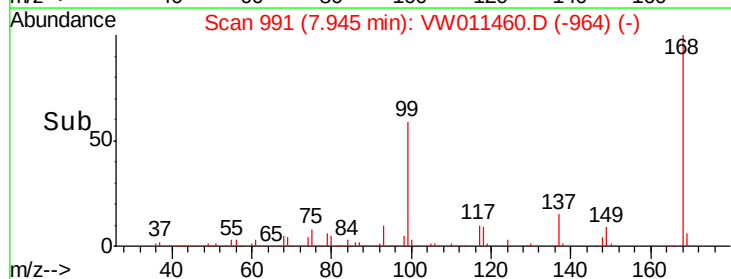
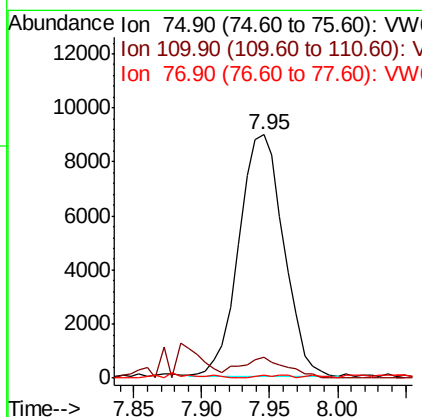
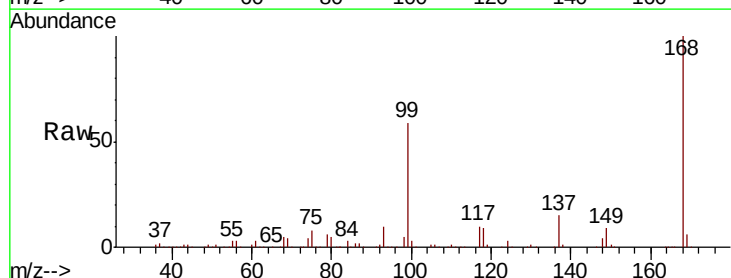
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 TP-1S-2

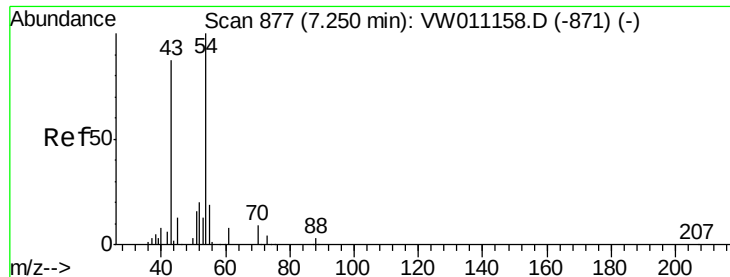
Tot Ion:113 Resp: 122522  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.4 123.6  
 192 21.0 15.8 23.8



#36  
 1,1-Dichloropropene  
 Concen: 4.646 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW011460.D  
 Acq: 24 Jul 2019 04:24

Tgt Ion: 75 Resp: 20463  
 Ion Ratio Lower Upper  
 75 100  
 110 8.9 15.9 47.6#  
 77 0.0 24.6 36.8#

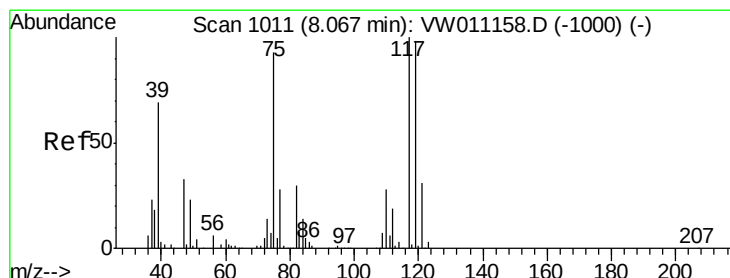
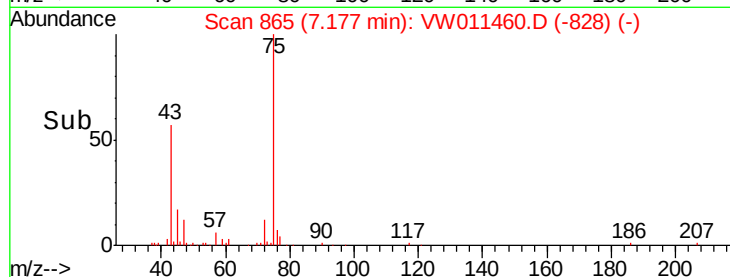
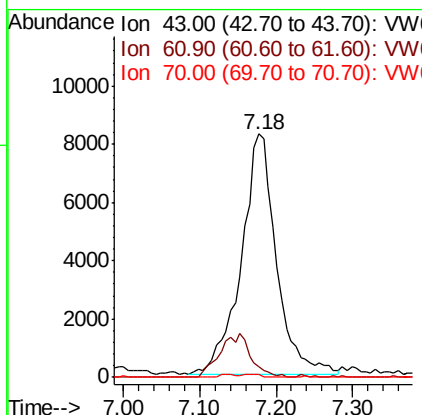
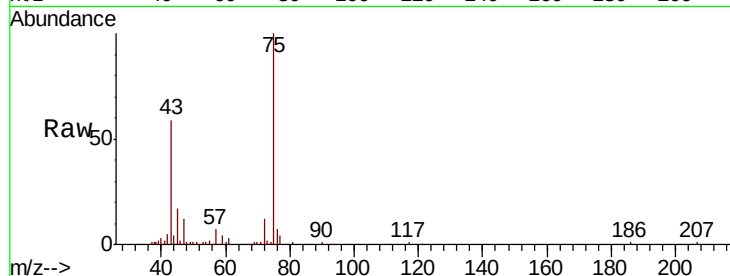




#37  
Ethyl Acetate  
Concen: 9.981 ug/l  
RT: 7.18 min Scan# 865  
Delta R.T. -0.07 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

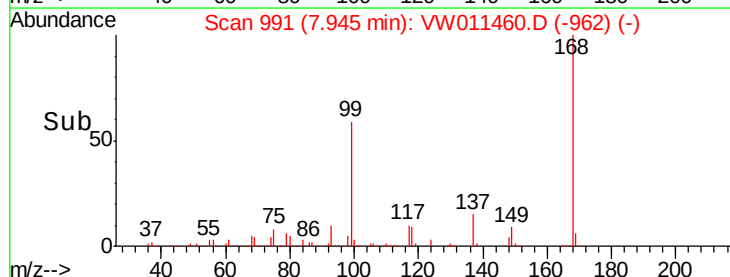
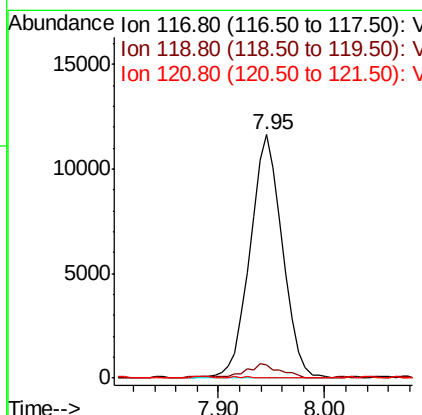
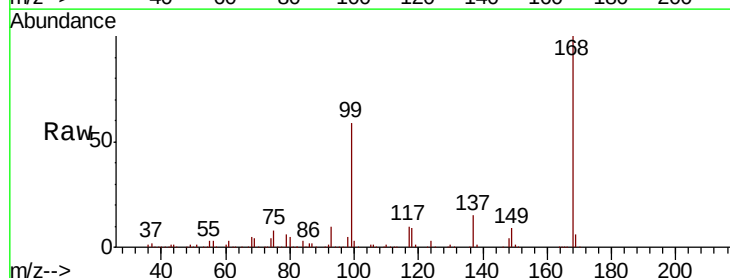
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-1S-2

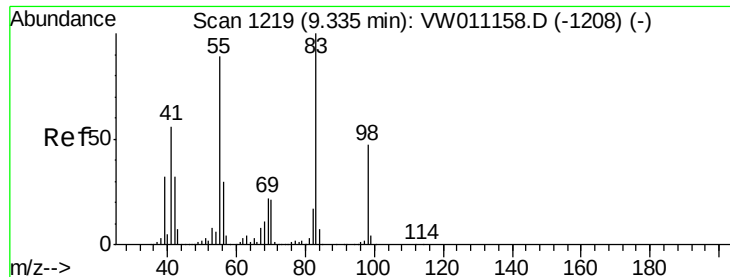
Tot Ion: 43 Resp: 26411  
Ion Ratio Lower Upper  
43 100  
61 0.0 9.5 14.3#  
70 0.0 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 6.639 ug/l  
RT: 7.95 min Scan# 991  
Delta R.T. -0.12 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 117 Resp: 24785  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.1 117.1#  
121 0.0 25.1 37.7#

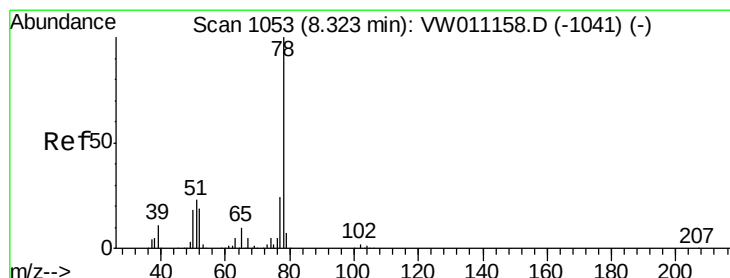
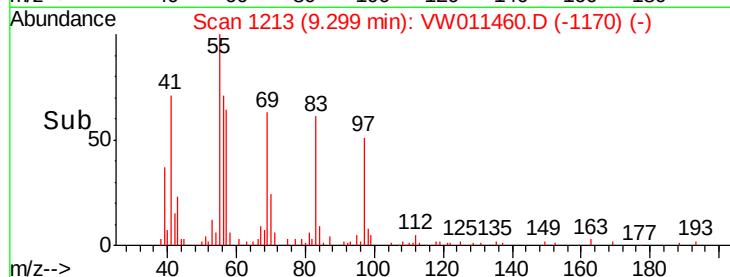
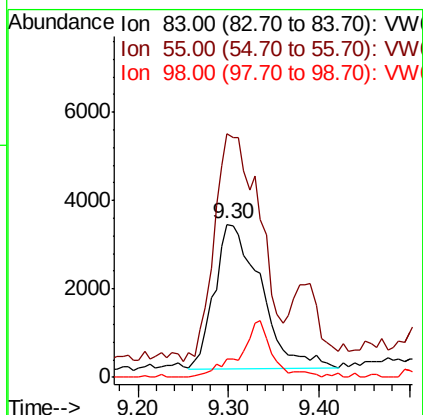
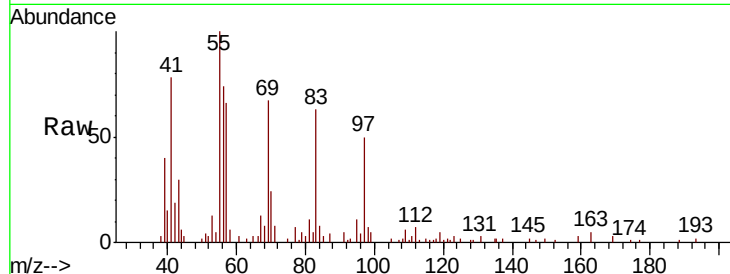




#39  
Methylvlcyclohexane  
Concen: 2.182 ug/l  
RT: 9.30 min Scan# 1213  
Delta R.T. -0.04 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

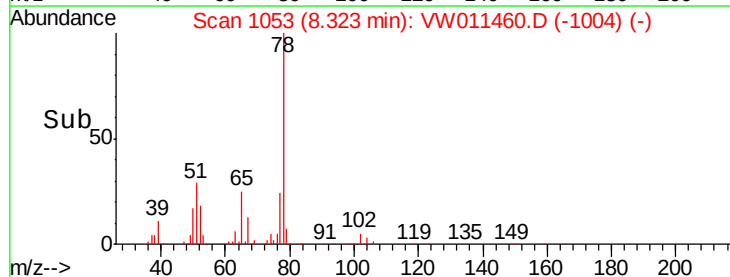
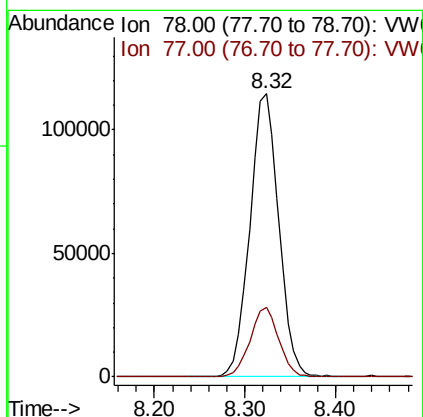
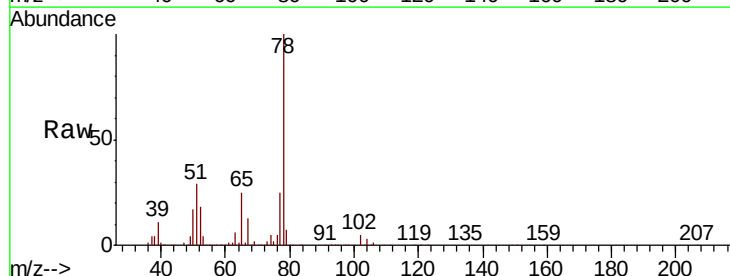
Instrument :  
MSVOA\_W  
ClientSampled :  
TP-1S-2

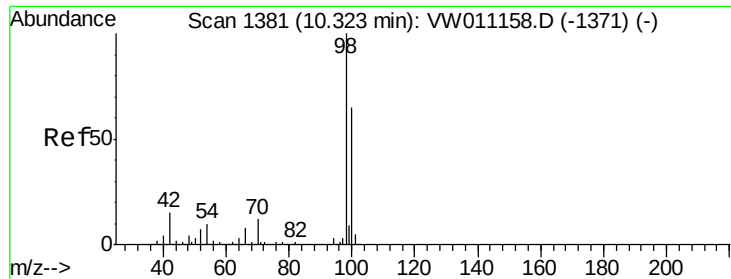
Tot Ion: 83 Resp: 11649  
Ion Ratio Lower Upper  
83 100  
55 152.6 71.2 106.8#  
98 12.4 37.5 56.3#



#40  
Benzene  
Concen: 20.769 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 78 Resp: 252777  
Ion Ratio Lower Upper  
78 100  
77 24.5 19.0 28.6





#50

Toluene-d8

Concen: 51.170 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampleId :

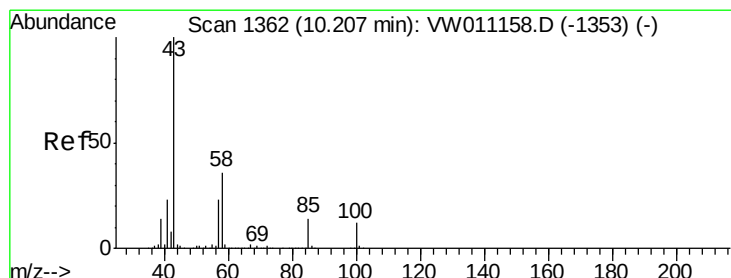
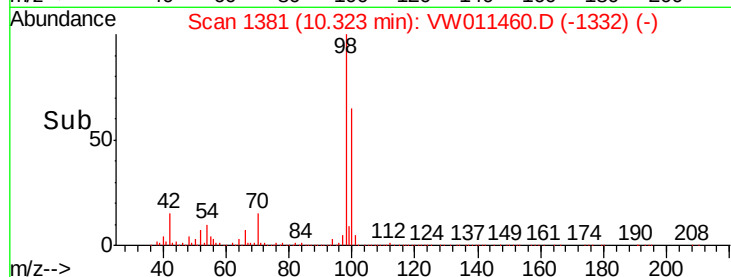
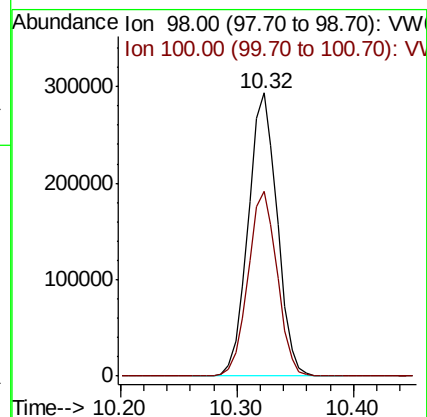
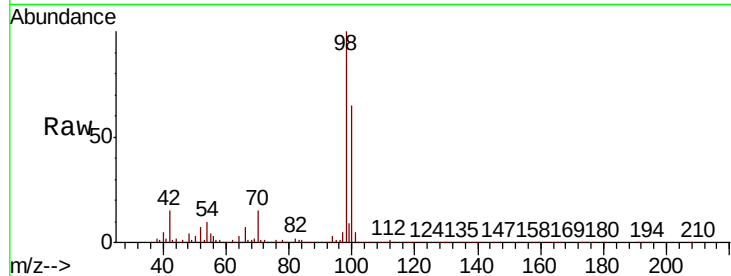
TP-1S-2

Tot Ion: 98 Resp: 509857

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.340 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011460.D

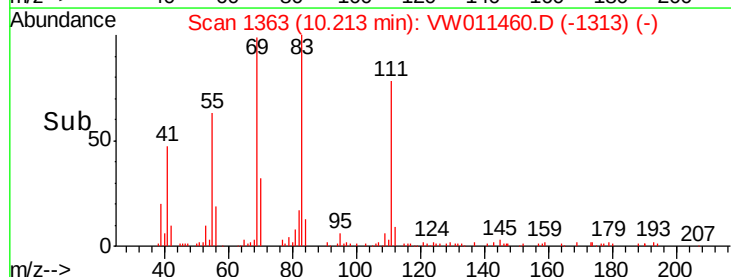
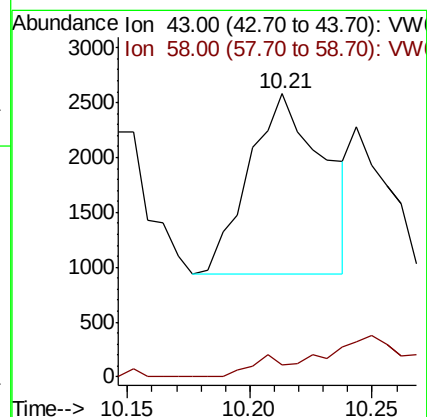
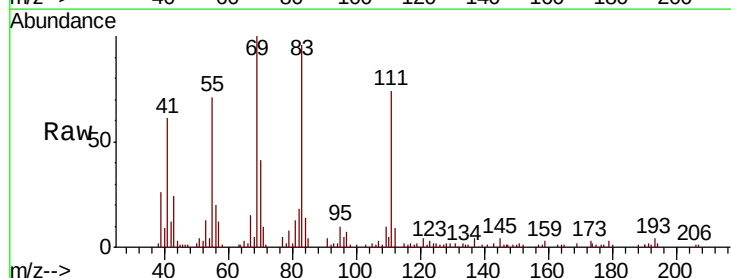
Acq: 24 Jul 2019 04:24

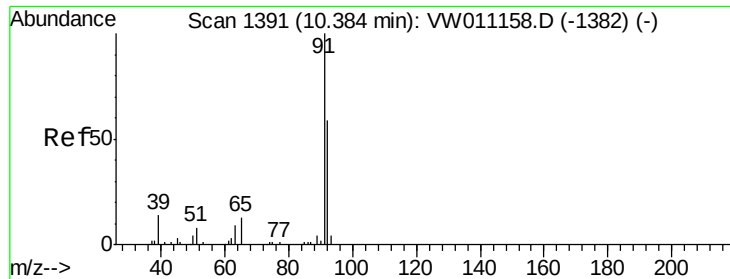
Tgt Ion: 43 Resp: 3498

Ion Ratio Lower Upper

43 100

58 5.0 28.2 42.2#





#52

Toluene

Concen: 3.955 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampleId :

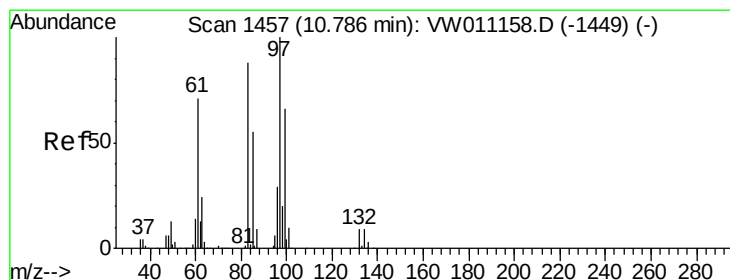
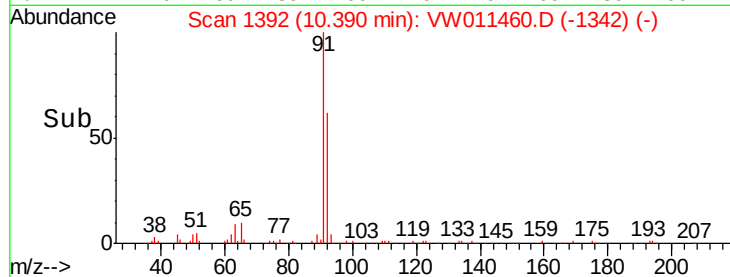
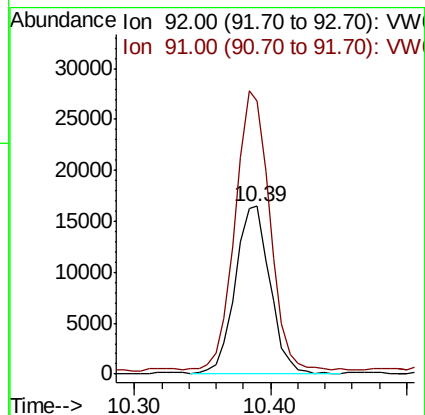
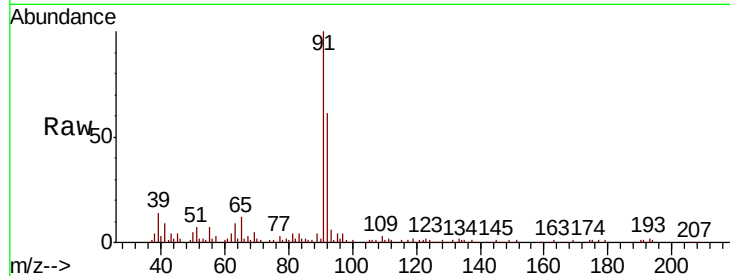
TP-1S-2

Tot Ion: 92 Resp: 29197

Ion Ratio Lower Upper

92 100

91 165.4 136.6 205.0



#55

1,1,2-Trichloroethane

Concen: 9.532 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Tgt Ion: 97 Resp: 20937

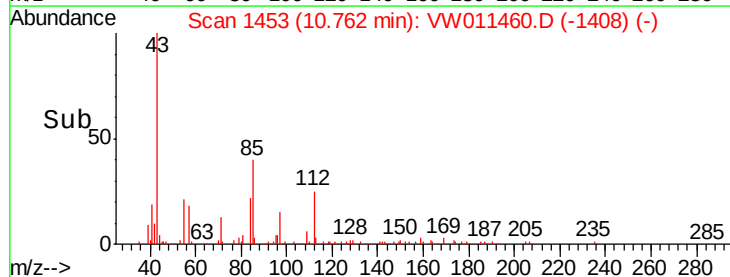
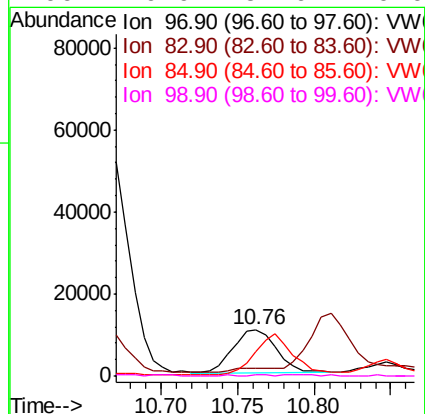
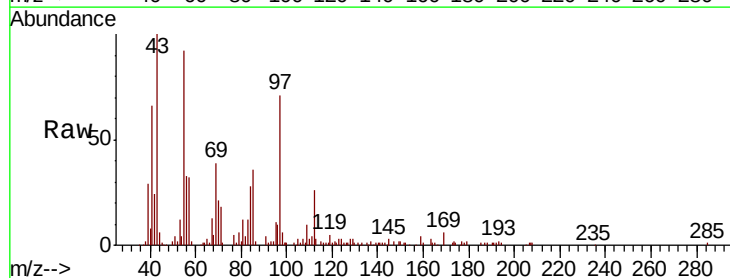
Ion Ratio Lower Upper

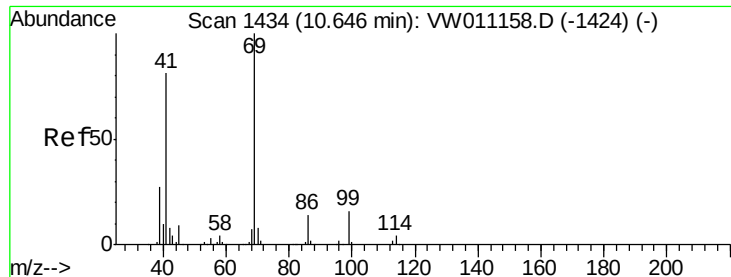
97 100

83 11.2 70.2 105.4#

85 52.7 44.2 66.2

99 0.9 52.6 79.0#





#56

Ethyl methacrylate

Concen: 9.347 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampled :

TP-1S-2

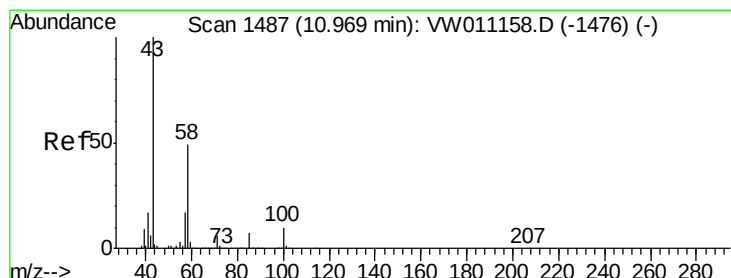
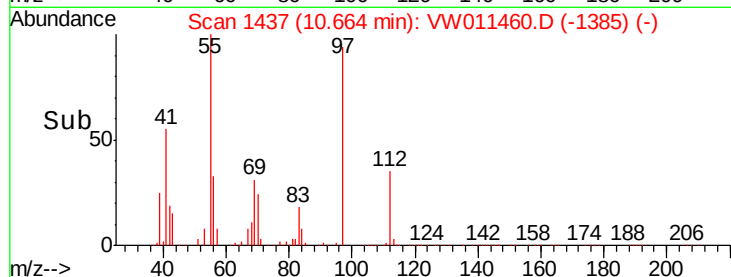
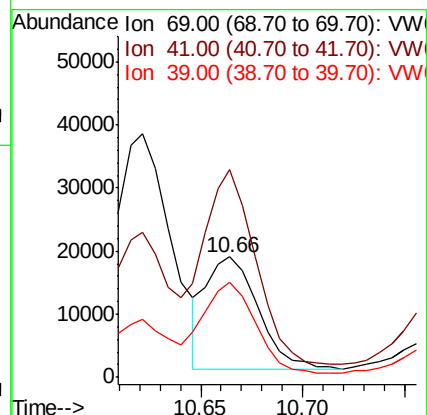
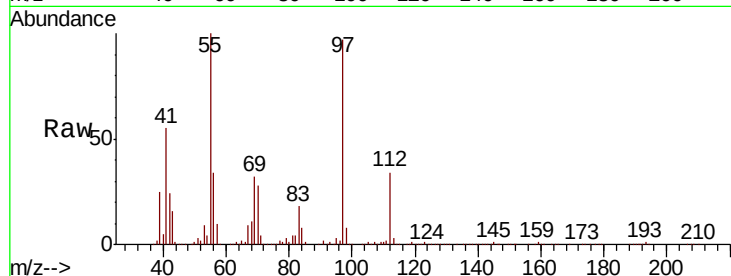
Tot Ion: 69 Resp: 31257

Ion Ratio Lower Upper

69 100

41 175.8 66.5 99.7#

39 83.0 32.5 48.7#



#59

2-Hexanone

Concen: 22.717 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW011460.D

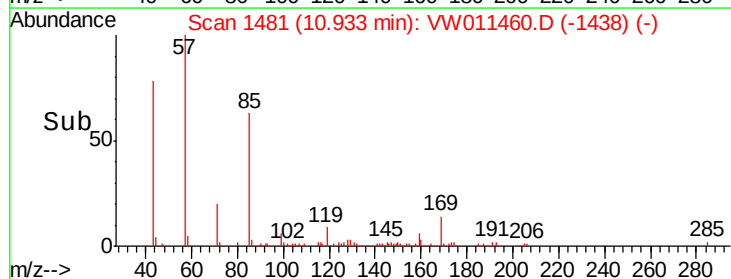
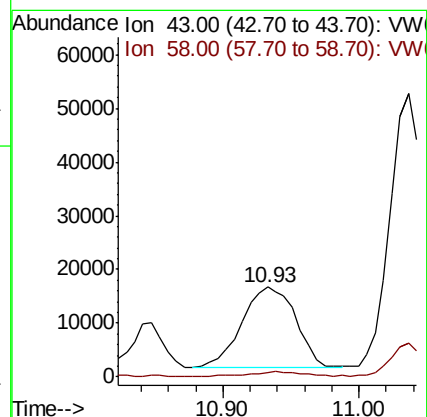
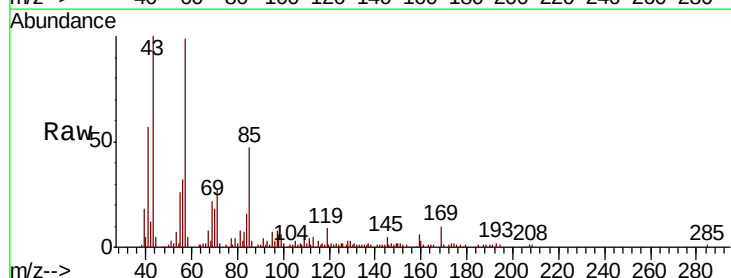
Acq: 24 Jul 2019 04:24

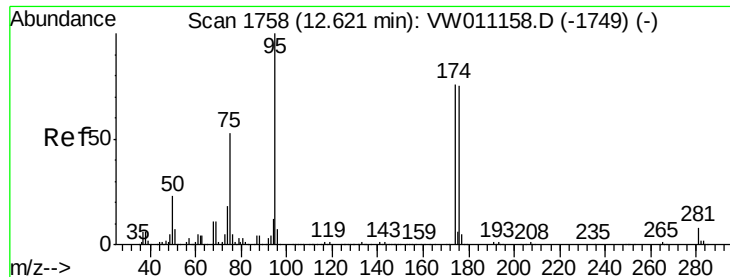
Tgt Ion: 43 Resp: 41113

Ion Ratio Lower Upper

43 100

58 5.8 24.4 73.4#

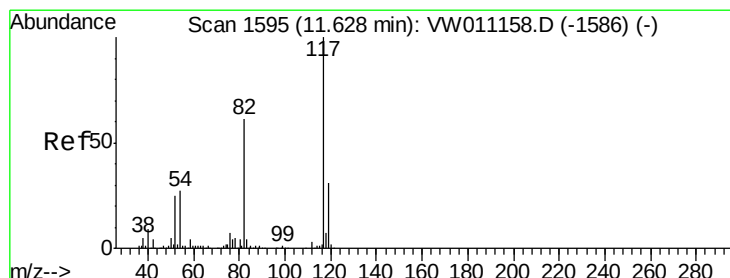
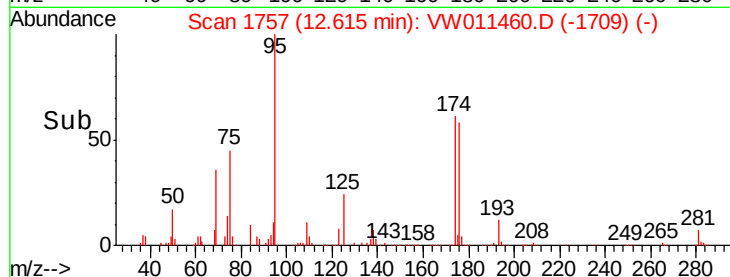
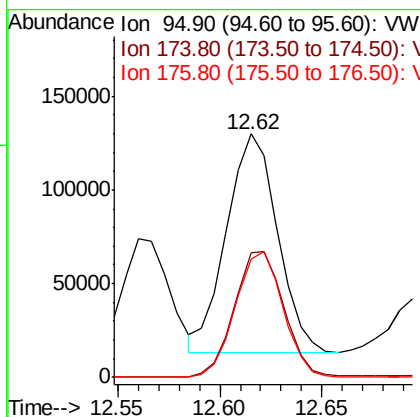
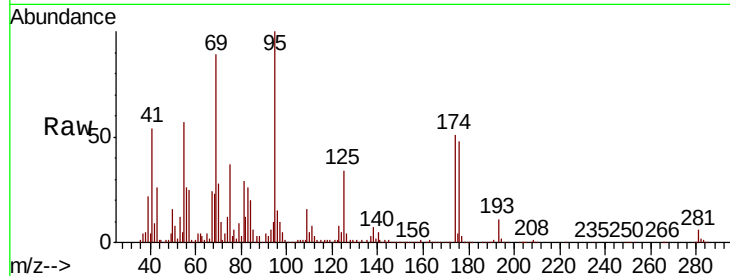




#62  
4-Bromofluorobenzene  
Concen: 55.508 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

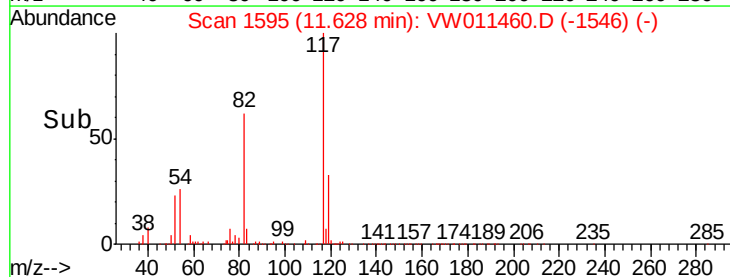
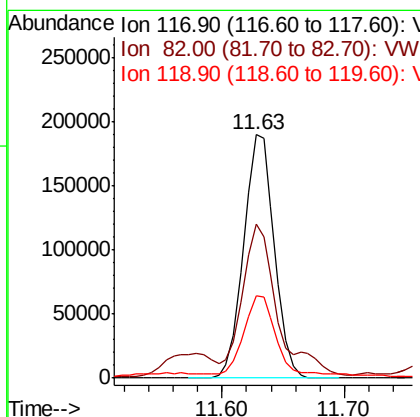
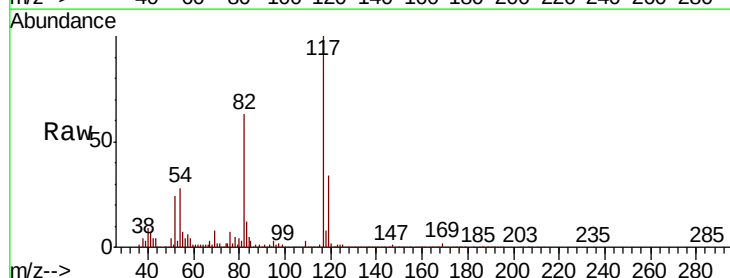
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1S-2

Tot Ion: 95 Resp: 202724  
Ion Ratio Lower Upper  
95 100  
174 56.9 0.0 147.6  
176 53.8 0.0 144.6

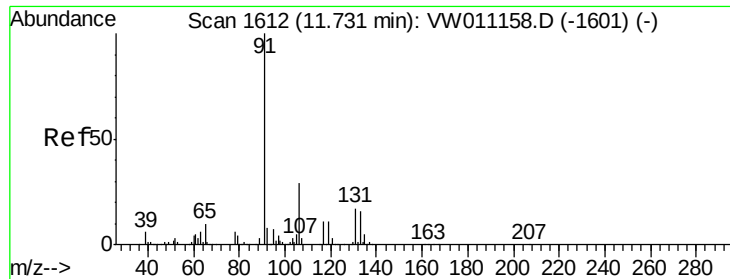


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 117 Resp: 327436  
Ion Ratio Lower Upper  
117 100  
82 61.9 48.9 73.3  
119 32.2 25.0 37.6



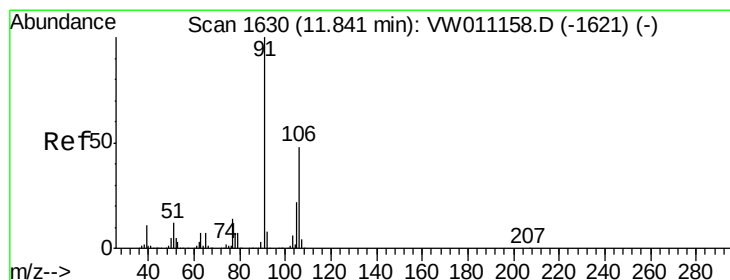
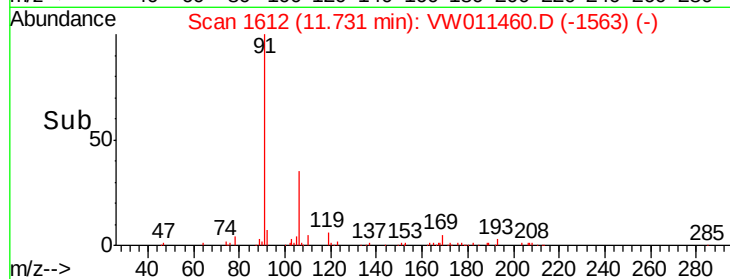
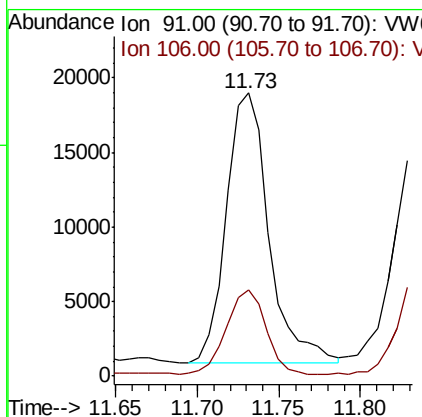
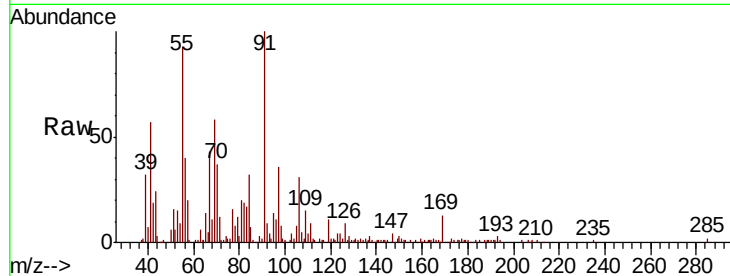




#67  
Ethyl Benzene  
Concen: 2.583 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

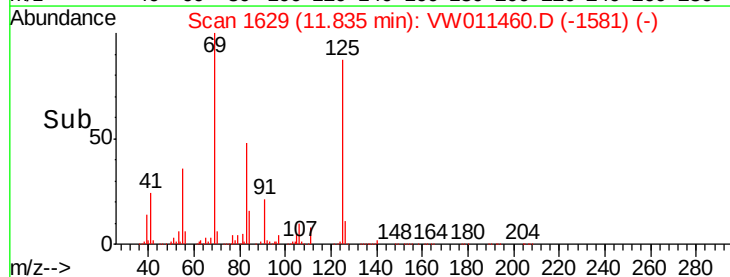
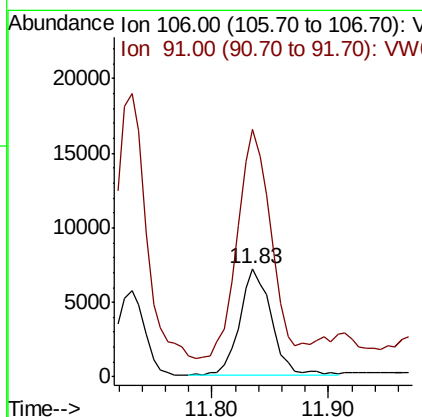
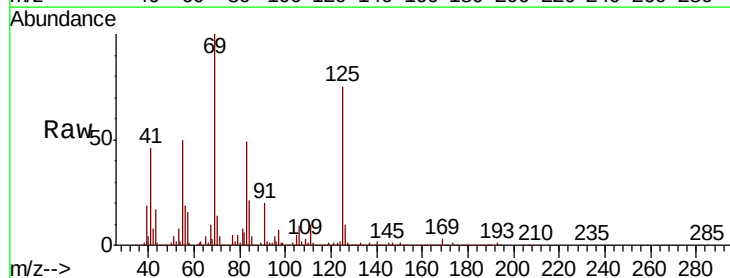
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1S-2

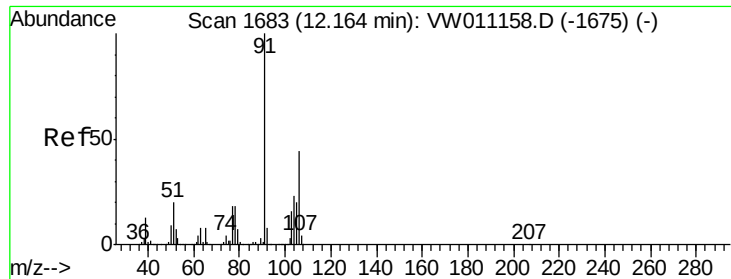
Tot Ion: 91 Resp: 32914  
Ion Ratio Lower Upper  
91 100  
106 31.1 23.5 35.3



#68  
m/p-Xylenes  
Concen: 2.913 ug/l  
RT: 11.83 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 106 Resp: 13432  
Ion Ratio Lower Upper  
106 100  
91 230.4 167.7 251.5

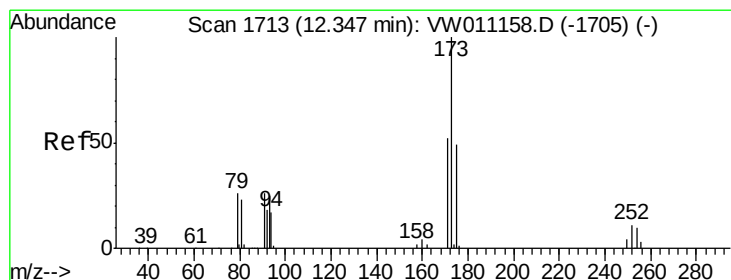
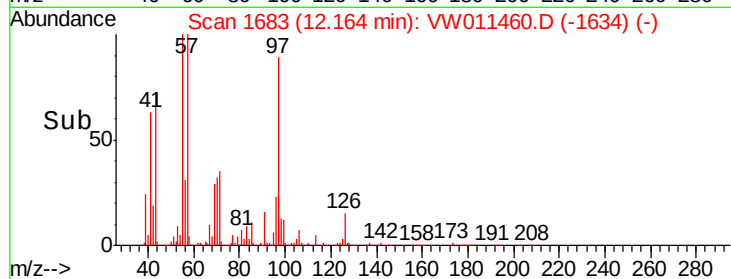
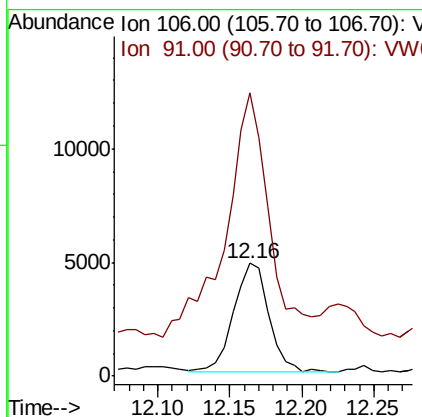
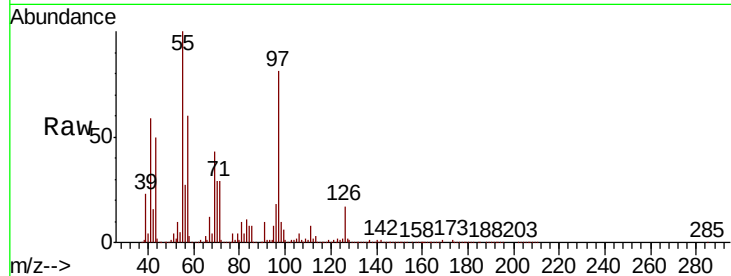




#69  
o-Xylene  
Concen: 1.873 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

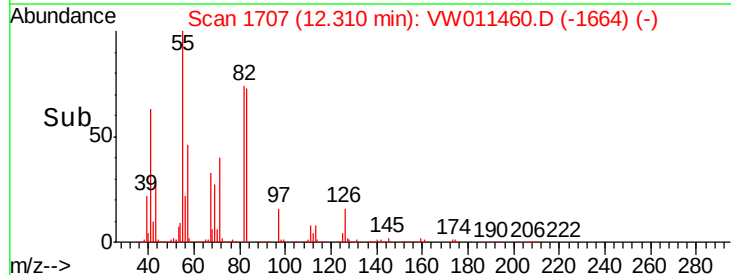
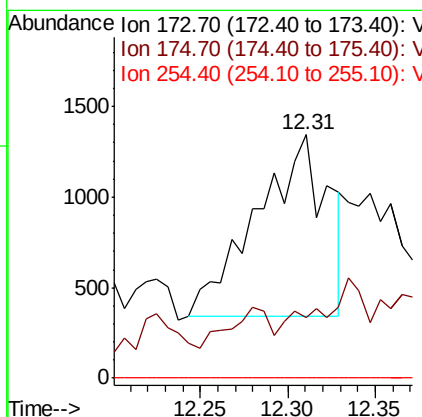
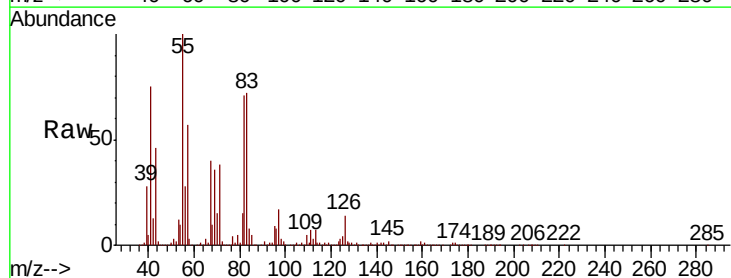
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1S-2

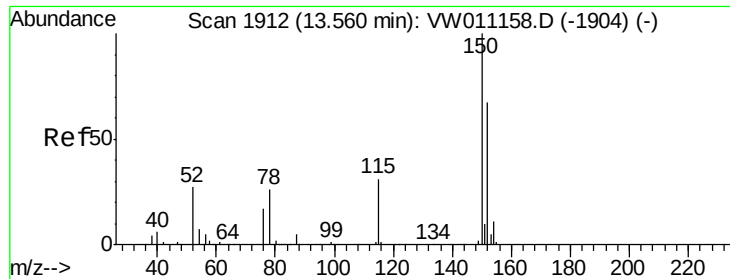
Tot Ion:106 Resp: 8142  
Ion Ratio Lower Upper  
106 100  
91 274.9 110.7 332.1



#71  
Bromoform  
Concen: 2.271 ug/l  
RT: 12.31 min Scan# 1707  
Delta R.T. -0.04 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion:173 Resp: 2830  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.8 74.3#  
254 0.0 0.0 0.0



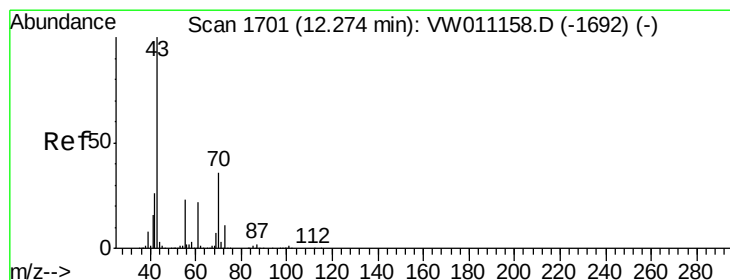
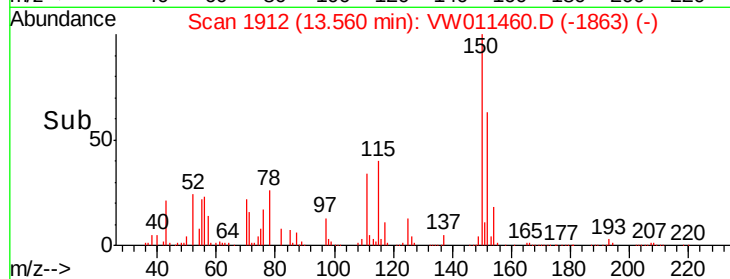
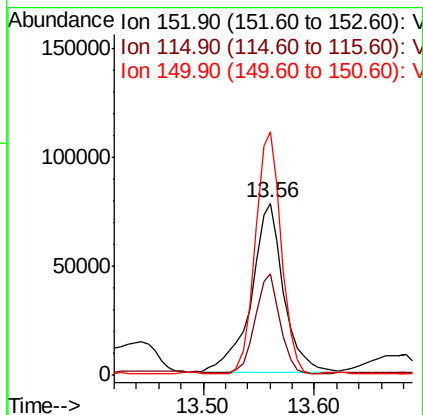
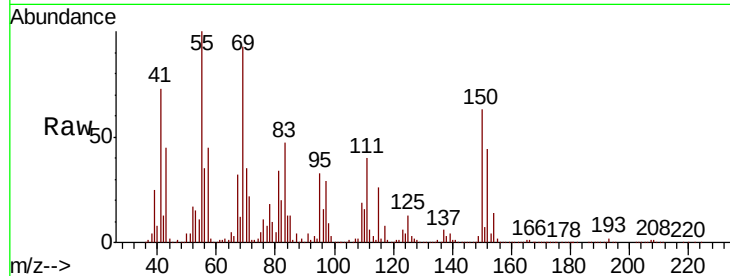


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Instrument :  
MSVOA\_W  
ClientSampled :  
TP-1S-2

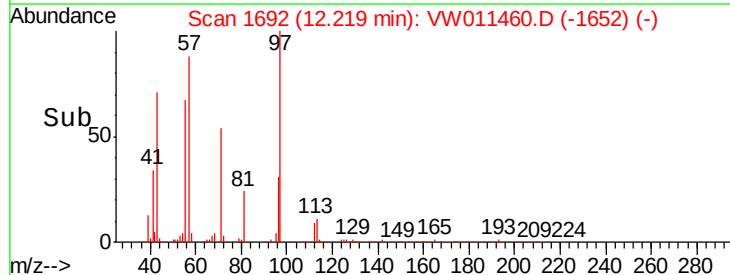
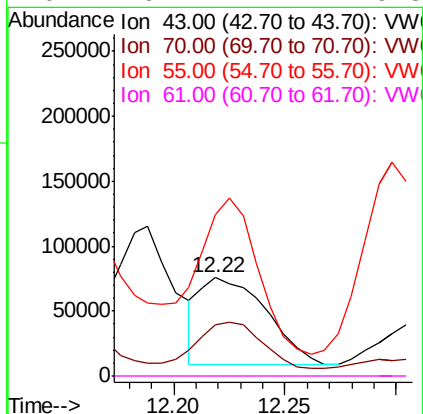
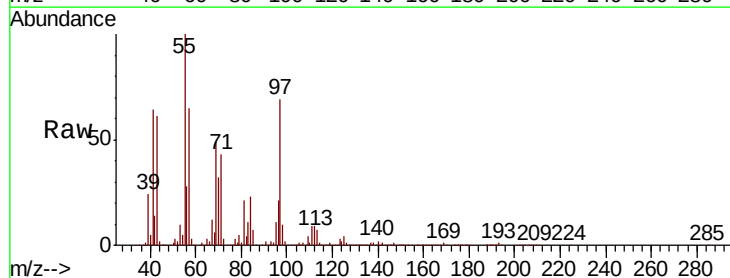
Tot Ion:152 Resp: 156711  
Ion Ratio Lower Upper  
152 100  
115 44.7 30.1 90.3  
150 114.6 0.0 346.0

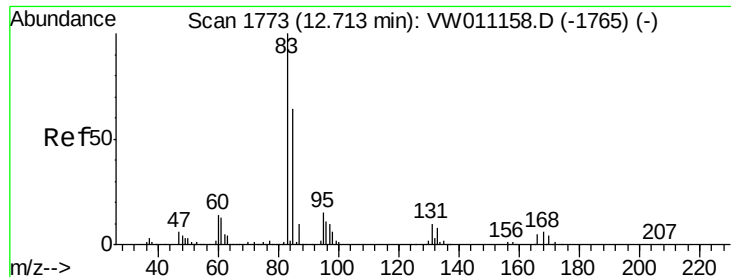


#74

N-ethyl acetate  
Concen: 33.985 ug/l  
RT: 12.22 min Scan# 1692  
Delta R.T. -0.05 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 43 Resp: 138657  
Ion Ratio Lower Upper  
43 100  
70 53.3 28.5 42.7#  
55 166.4 18.1 27.1#  
61 0.1 17.2 25.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 26.862 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampleId :

TP-1S-2

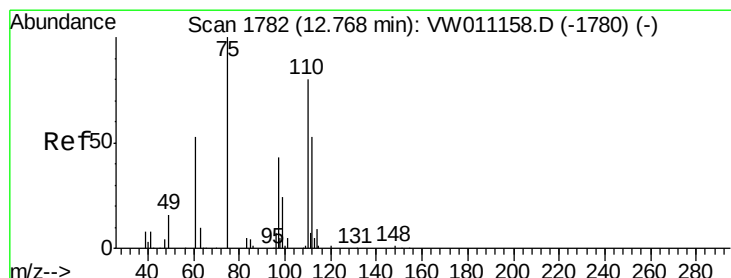
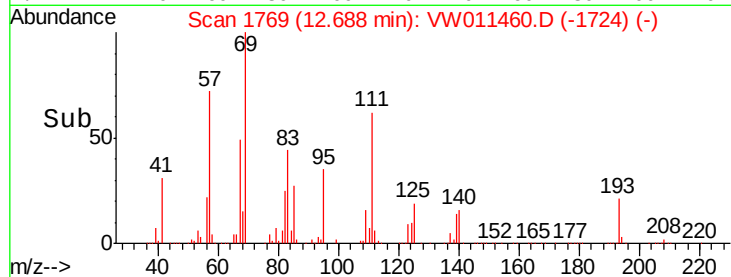
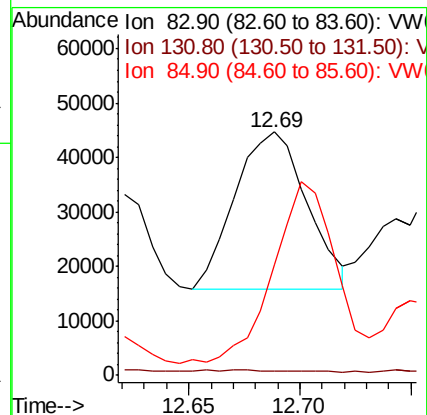
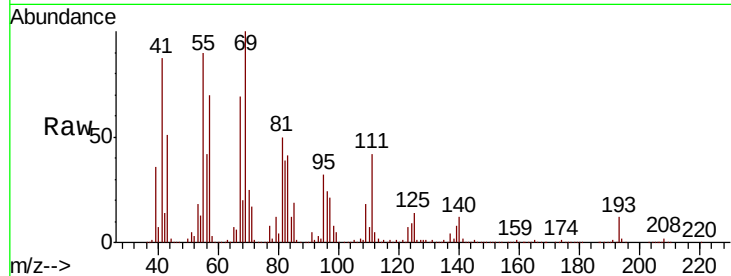
Tot Ion: 83 Resp: 64506

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 100.1 31.6 94.8#



#76

1,2,3-Trichloropropane

Concen: 42.299 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011460.D

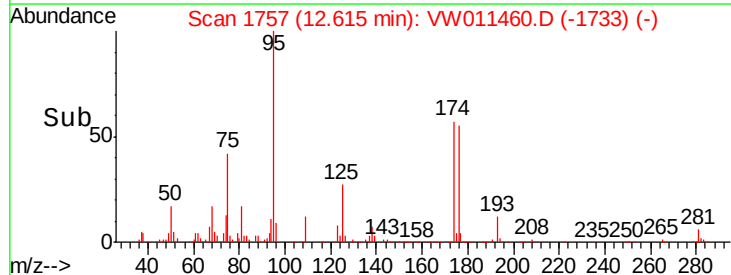
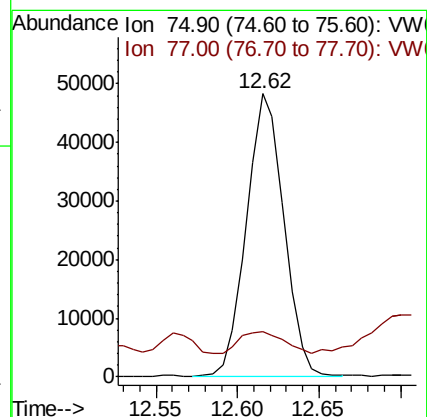
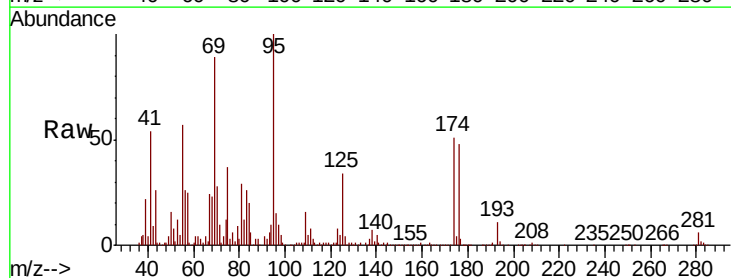
Acq: 24 Jul 2019 04:24

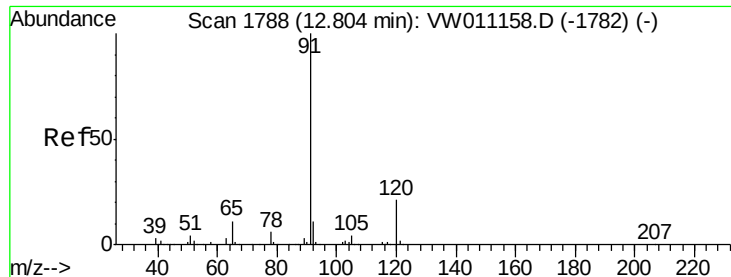
Tgt Ion: 75 Resp: 76604

Ion Ratio Lower Upper

75 100

77 9.4 0.0 0.0#





#78

n-propylbenzene

Concen: 2.776 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampled :

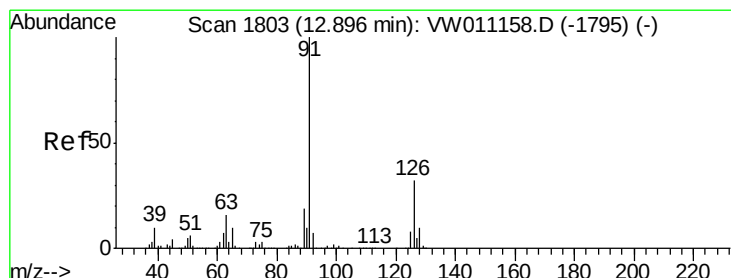
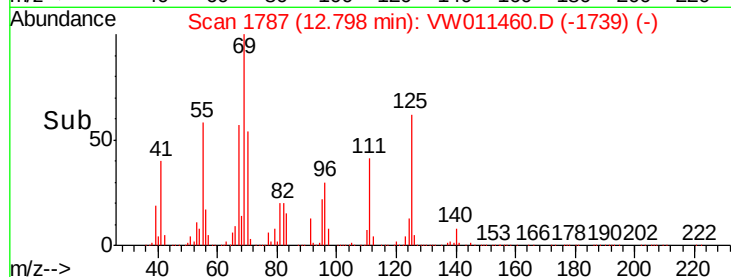
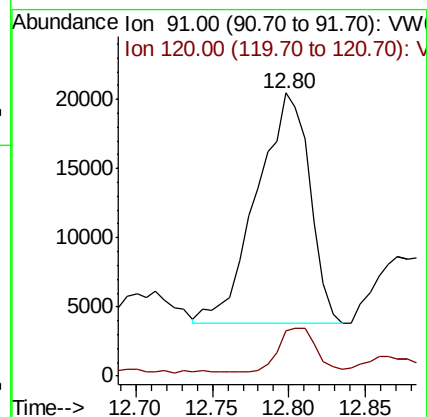
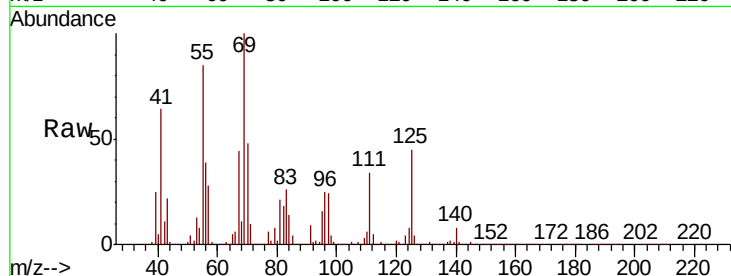
TP-1S-2

Tot Ion: 91 Resp: 40058

Ion Ratio Lower Upper

91 100

120 13.4 10.8 32.3



#79

2-Chlorotoluene

Concen: 1.611 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW011460.D

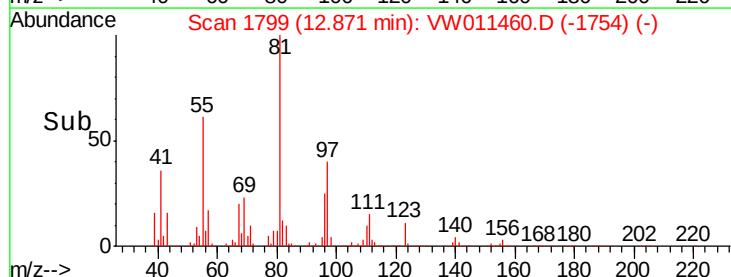
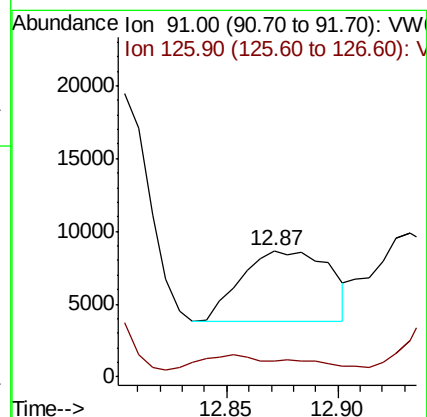
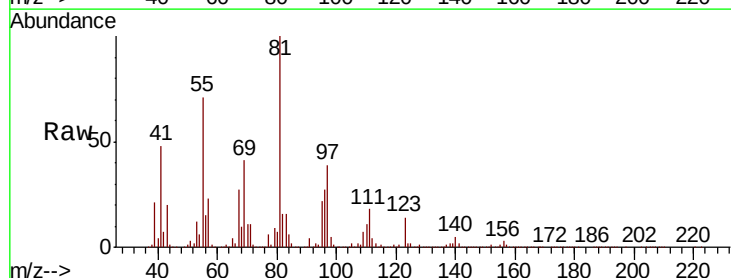
Acq: 24 Jul 2019 04:24

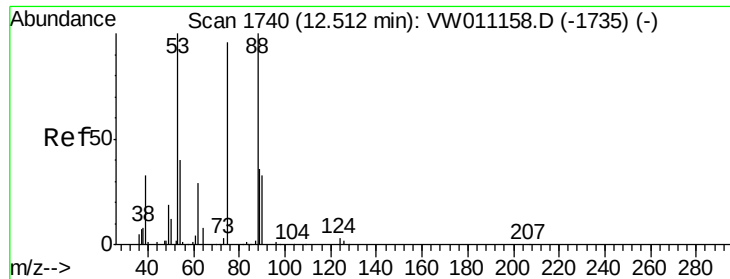
Tgt Ion: 91 Resp: 13378

Ion Ratio Lower Upper

91 100

126 14.8 15.8 47.3#

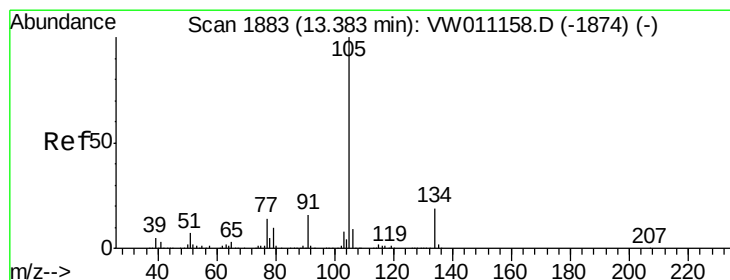
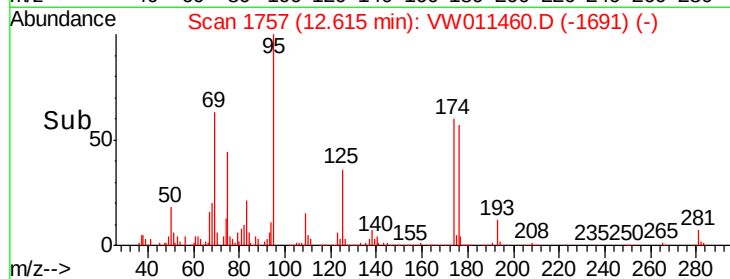
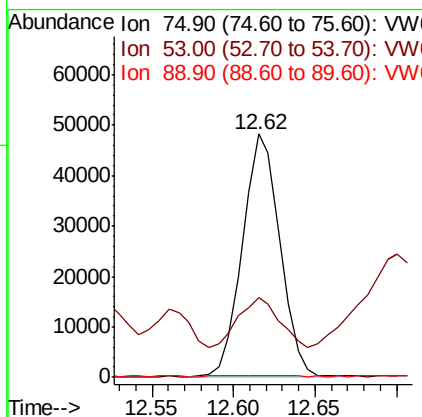
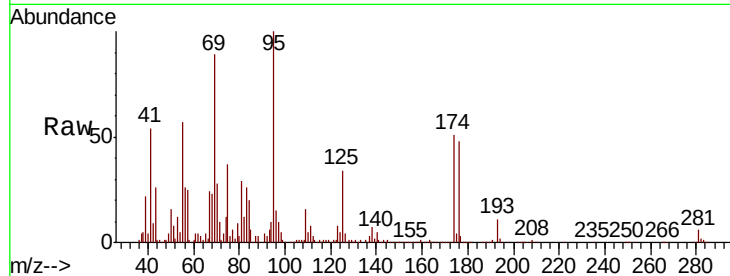




#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.673 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.10 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

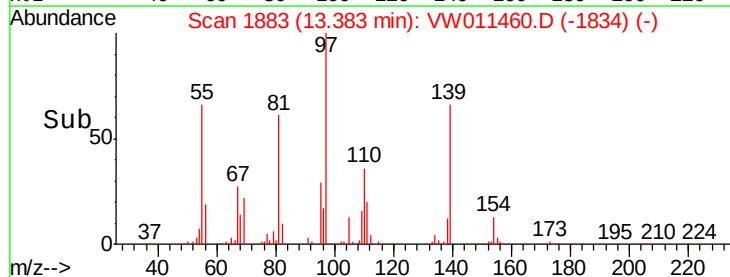
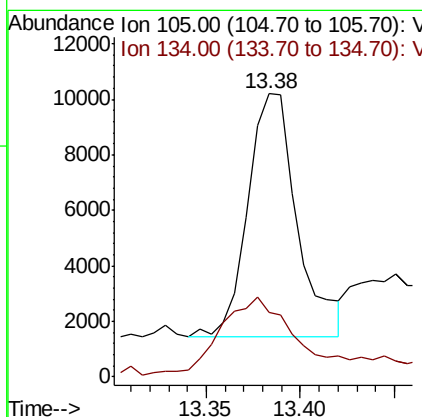
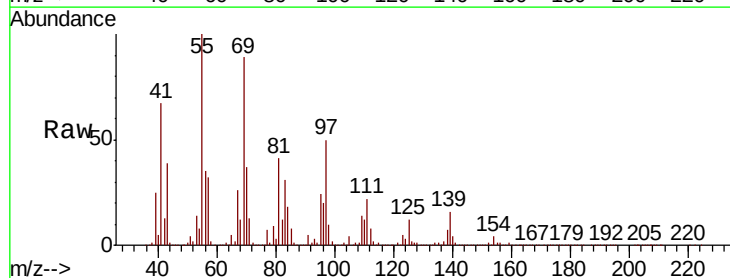
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1S-2

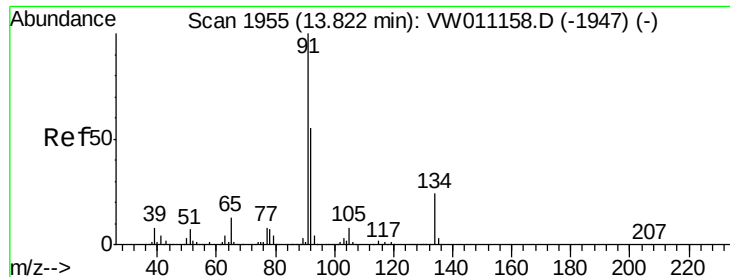
Tot Ion: 75 Resp: 76604  
Ion Ratio Lower Upper  
75 100  
53 22.5 89.8 134.6#  
89 0.4 34.3 51.5#



#85  
sec-Butylbenzene  
Concen: 1.334 ug/l  
RT: 13.38 min Scan# 1883  
Delta R.T. 0.00 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion: 105 Resp: 15975  
Ion Ratio Lower Upper  
105 100  
134 44.7 9.7 28.9#





#89

n-Butylbenzene

Concen: 1.623 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

Instrument :

MSVOA\_W

ClientSampleId :

TP-1S-2

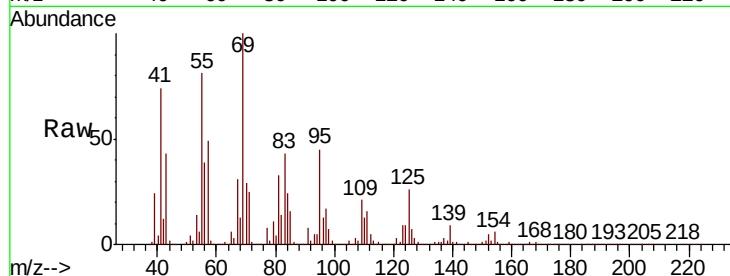
Tot Ion: 91 Resp: 17396

Ion Ratio Lower Upper

91 100

92 35.0 26.9 80.7

134 17.4 12.2 36.4

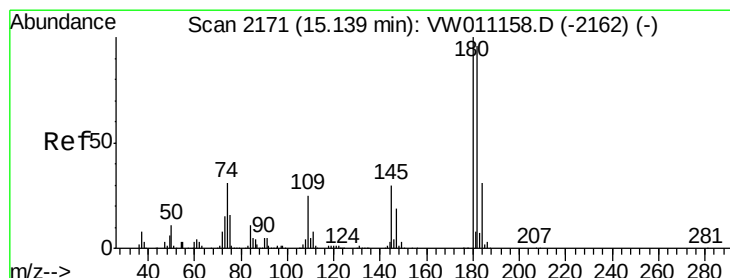
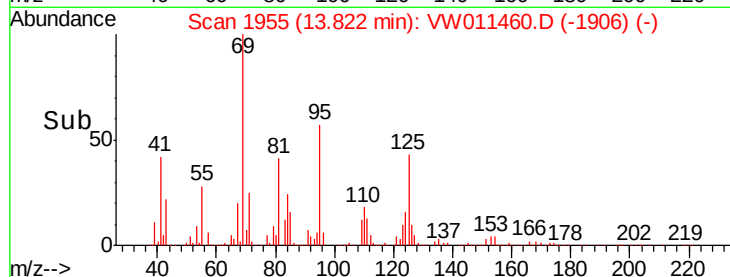
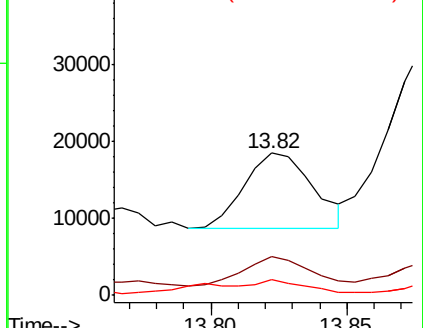


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 6.908 ug/l

RT: 15.17 min Scan# 2176

Delta R.T. 0.03 min

Lab File: VW011460.D

Acq: 24 Jul 2019 04:24

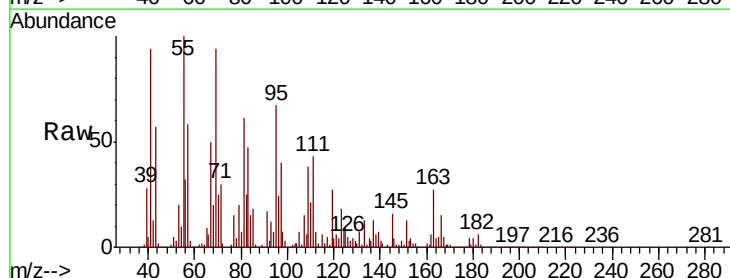
Tgt Ion:180 Resp: 21834

Ion Ratio Lower Upper

180 100

182 0.0 48.3 144.9#

145 0.0 15.5 46.5#

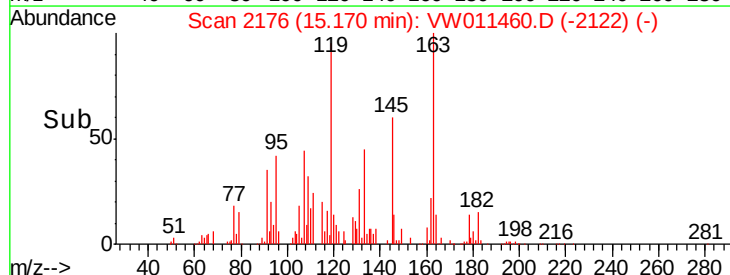
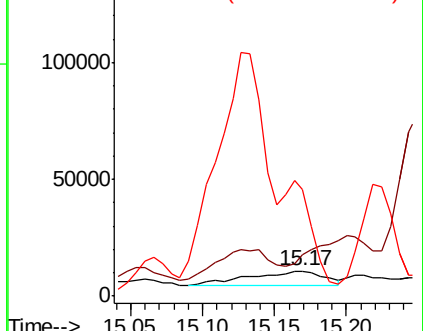


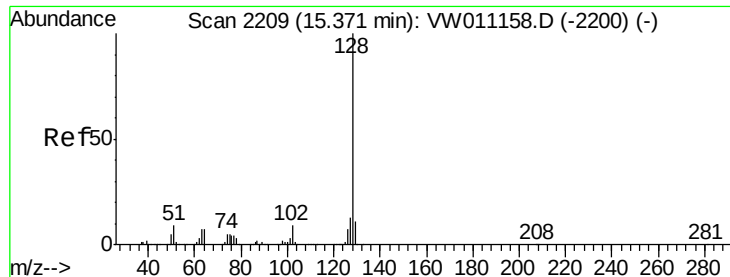
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

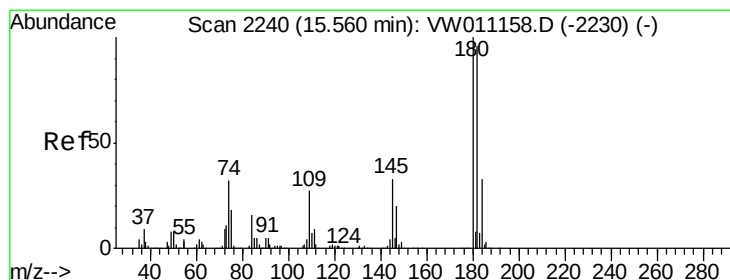
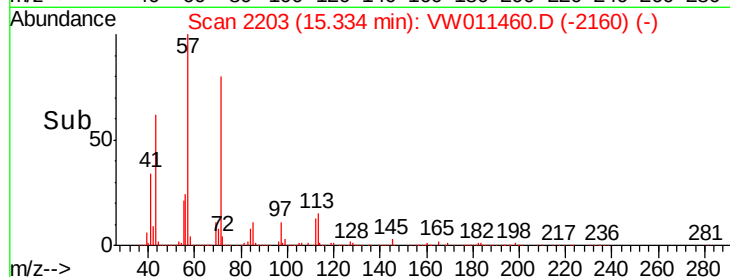
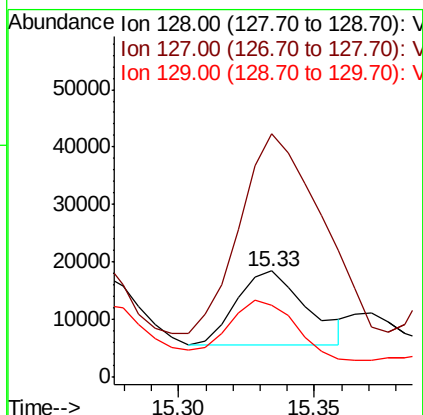
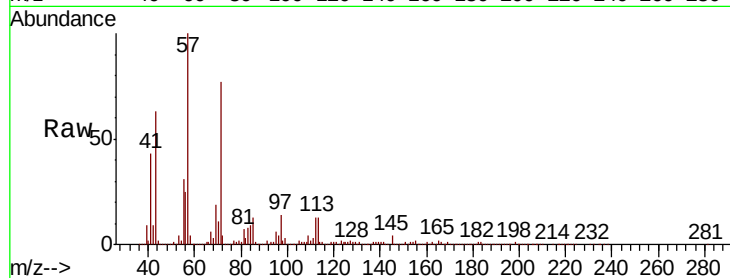




#95  
Naphthalene  
Concen: 3.804 ug/l  
RT: 15.33 min Scan# 2203  
Delta R.T. -0.04 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Instrument :  
MSVOA\_W  
ClientSampled :  
TP-1S-2

Tot Ion:128 Resp: 23041  
Ion Ratio Lower Upper  
128 100  
127 308.9 10.6 16.0#  
129 76.9 8.7 13.1#



#96  
1,2,3-Trichlorobenzene  
Concen: 8.373 ug/l  
RT: 15.63 min Scan# 2252  
Delta R.T. 0.07 min  
Lab File: VW011460.D  
Acq: 24 Jul 2019 04:24

Tgt Ion:180 Resp: 23356  
Ion Ratio Lower Upper  
180 100  
182 102.9 47.6 142.8  
145 44.1 16.5 49.5

