

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
 Data File : VW011339.D  
 Acq On : 18 Jul 2019 17:35  
 Operator : SY/VA  
 Sample : K3813-03  
 Misc : 5.01G/5ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY030LC058-SD-190712

Quant Time: Jul 19 06:45:45 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

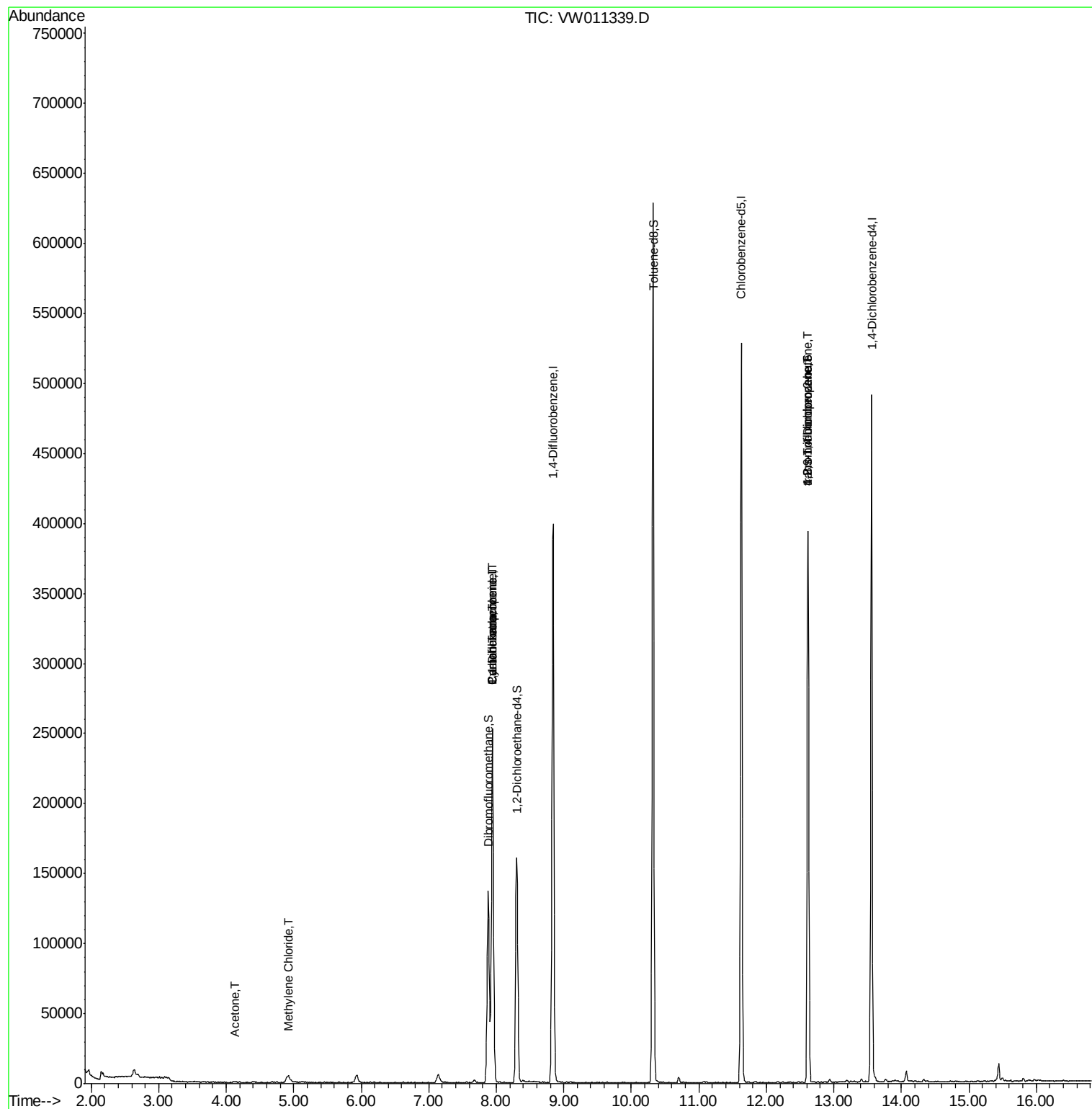
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.95  | 168  | 181512   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.84  | 114  | 314852   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.63 | 117  | 269729   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.56 | 152  | 118815   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.30  | 65   | 130308   | 57.13     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 114.26% |          |
| 35) Dibromofluoromethane       | 7.88  | 113  | 98916    | 52.71     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 105.42% |          |
| 50) Toluene-d8                 | 10.32 | 98   | 391713   | 51.64     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 103.28% |          |
| 62) 4-Bromofluorobenzene       | 12.62 | 95   | 130561   | 46.96     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 93.92%  |          |
| Target Compounds               |       |      |          |           |         |          |
| 16) Acetone                    | 4.14  | 43   | 1402     | 2.555     | ug/l    | 92       |
| 18) Methyl Acetate             | 4.68  | 43   | 338      | Below Cal | #       | 69       |
| 20) Methylene Chloride         | 4.92  | 84   | 3890     | 1.797     | ug/l    | 85       |
| 31) Cyclohexane                | 7.95  | 56   | 4707     | 1.065     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 16054    | 4.788     | ug/l #  | 51       |
| 38) Carbon Tetrachloride       | 7.94  | 117  | 18943    | 6.665     | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 70678    | 51.475    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 70678    | 116.426   | ug/l #  | 5        |

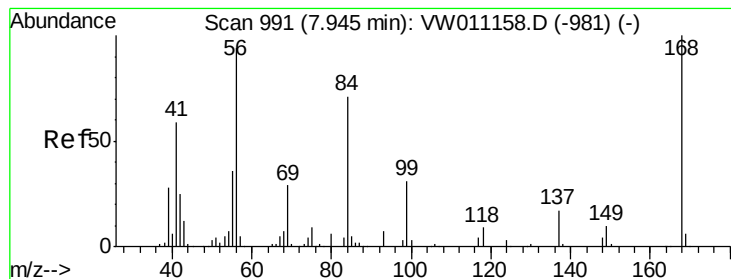
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\  
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Instrument :  
MSVOA\_W  
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KY030LC058-SD-190712

Quant Time: Jul 19 06:45:45 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070819S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 11 08:14:17 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011339.D

Acq: 18 Jul 2019 17:35

Instrument :

MSVOA\_W

ClientSampleId :

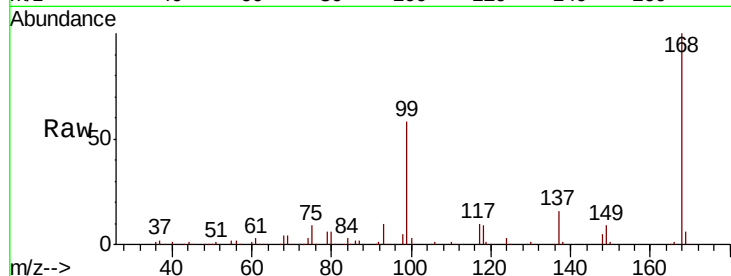
KY030LC058-SD-190712

Tot Ion:168 Resp: 181512

Ion Ratio Lower Upper

168 100

99 58.4 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

80000

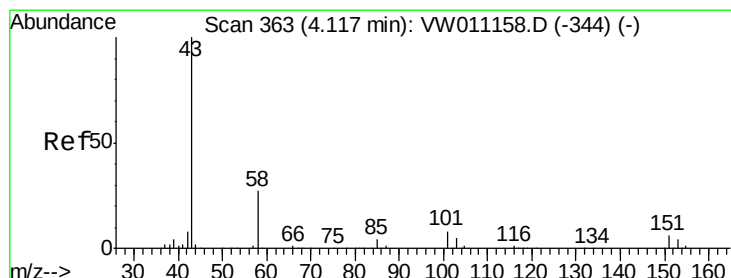
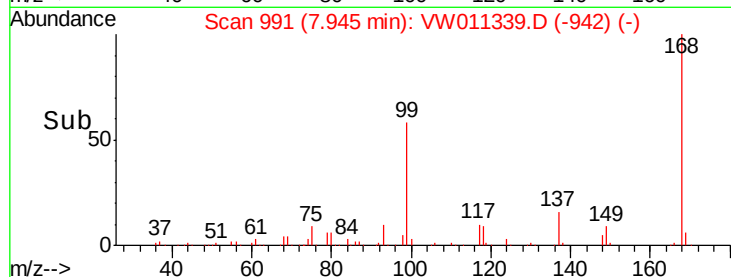
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.555 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011339.D

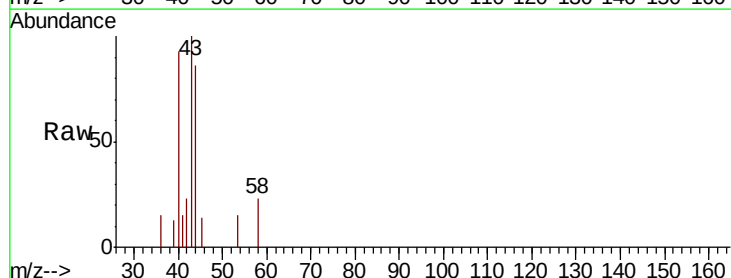
Acq: 18 Jul 2019 17:35

Tgt Ion: 43 Resp: 1402

Ion Ratio Lower Upper

43 100

58 23.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

400

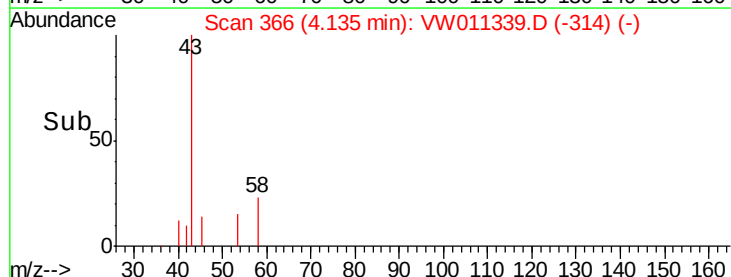
300

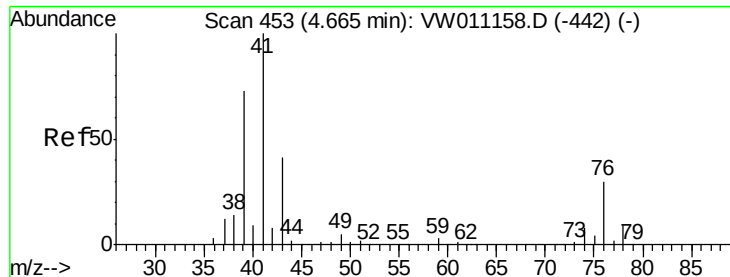
200

100

0

Time--> 4.05 4.10 4.15 4.20

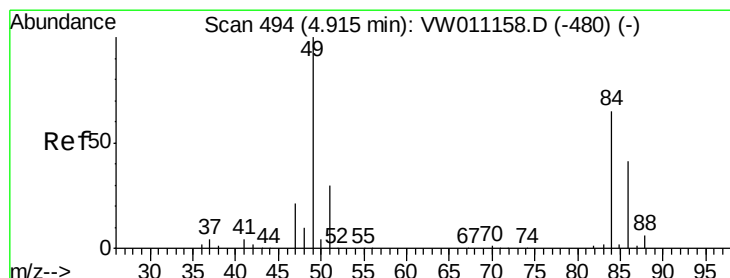
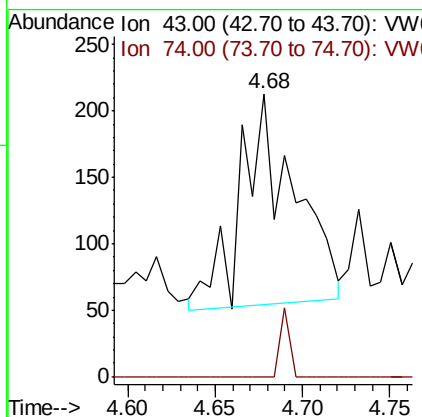
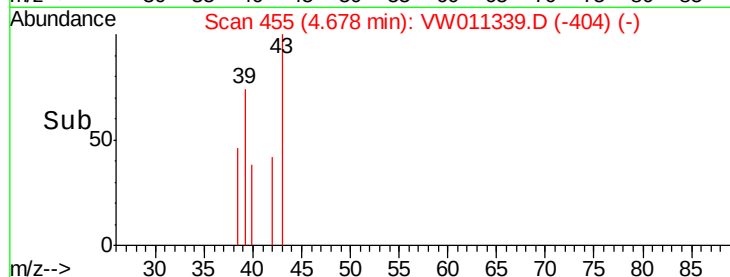
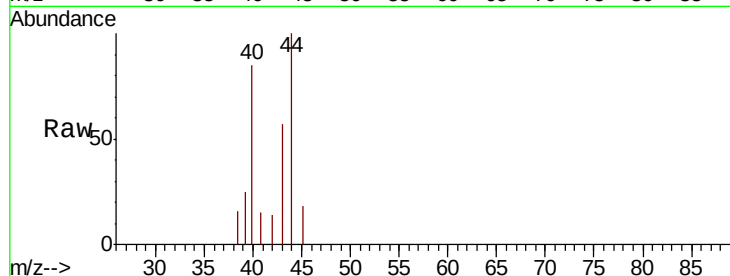




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.68 min Scan# 455  
Delta R.T. 0.01 min  
Lab File: VW011339.D  
Acq: 18 Jul 2019 17:35

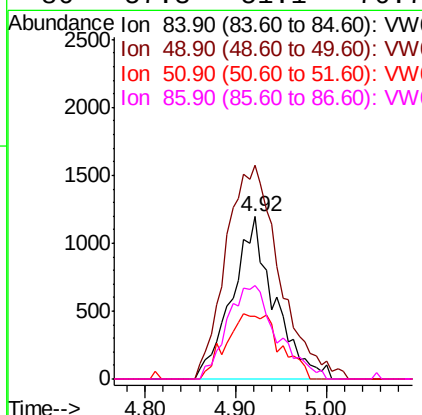
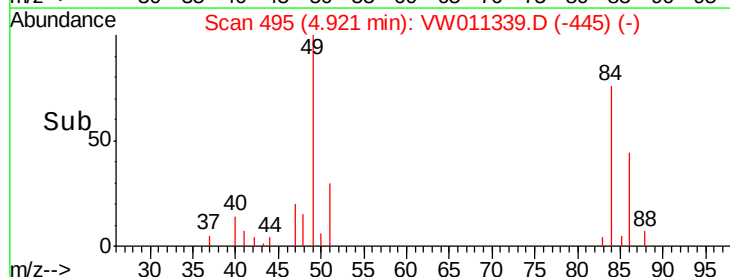
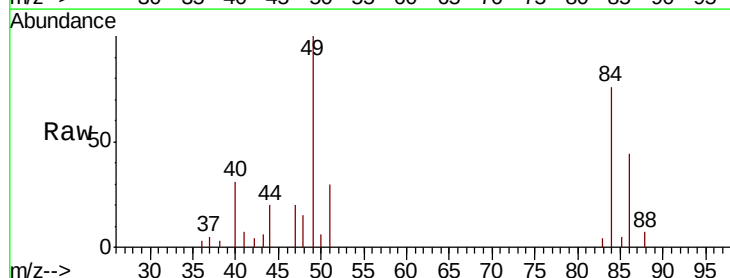
Instrument :  
MSVOA\_W  
ClientSampleId :  
KY030LC058-SD-190712

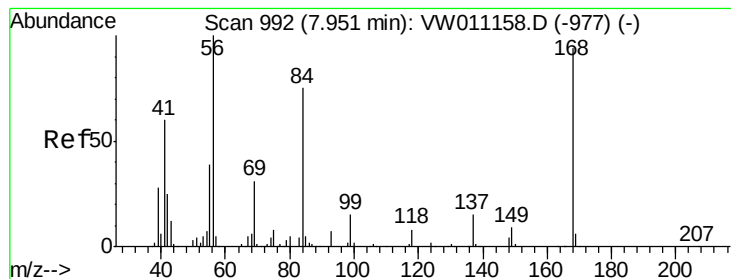
Tot Ion: 43 Resp: 338  
Ion Ratio Lower Upper  
43 100  
74 5.6 15.7 23.5#



#20  
Methylene Chloride  
Concen: 1.797 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW011339.D  
Acq: 18 Jul 2019 17:35

Tgt Ion: 84 Resp: 3890  
Ion Ratio Lower Upper  
84 100  
49 131.4 123.8 185.6  
51 38.9 37.4 56.2  
86 57.3 51.1 76.7





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011339.D

Acq: 18 Jul 2019 17:35

Instrument :

MSVOA\_W

ClientSampleId :

KY030LC058-SD-190712

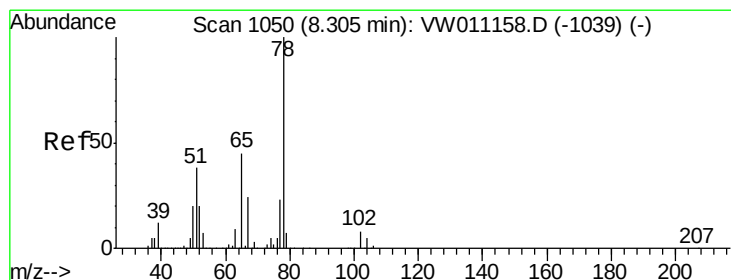
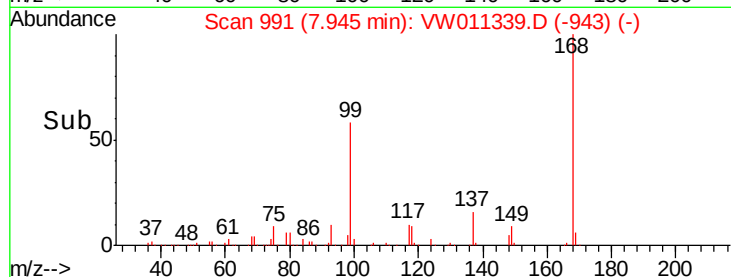
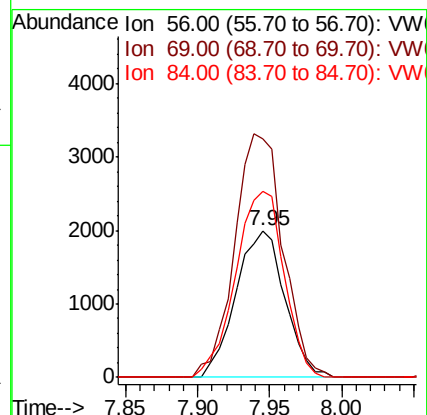
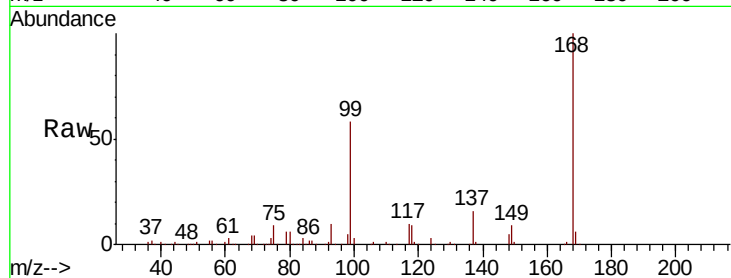
Tot Ion: 56 Resp: 4707

Ion Ratio Lower Upper

56 100

69 162.6 24.6 36.8#

84 127.0 60.1 90.1#



#33

1,2-Dichloroethane-d4

Concen: 57.133 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011339.D

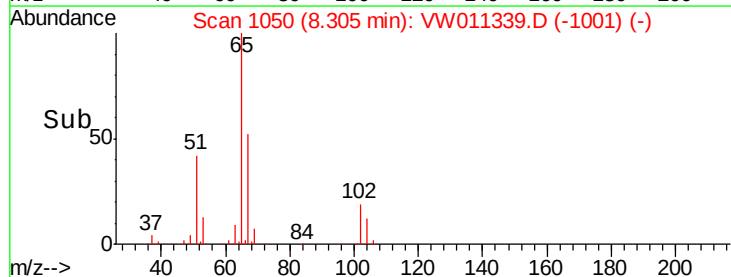
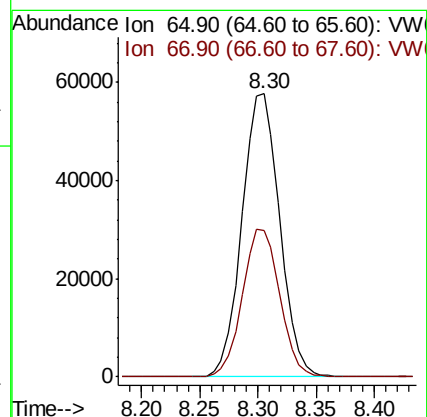
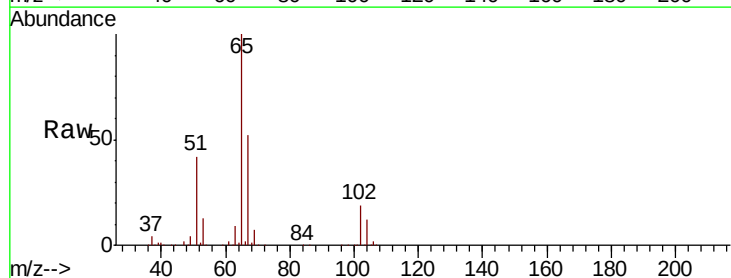
Acq: 18 Jul 2019 17:35

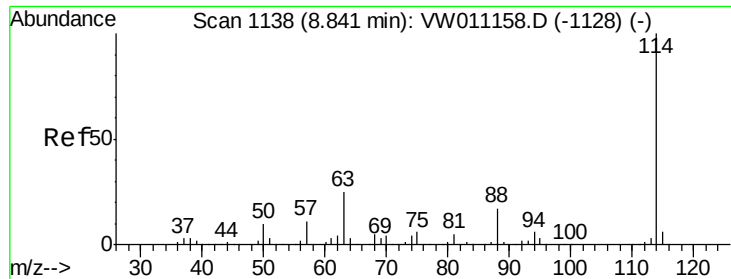
Tgt Ion: 65 Resp: 130308

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.4

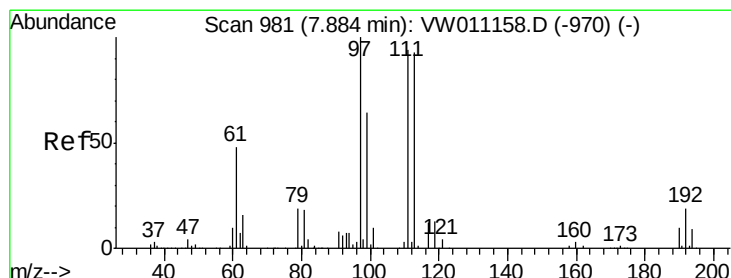
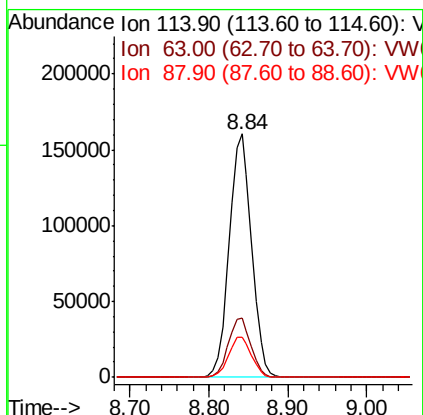
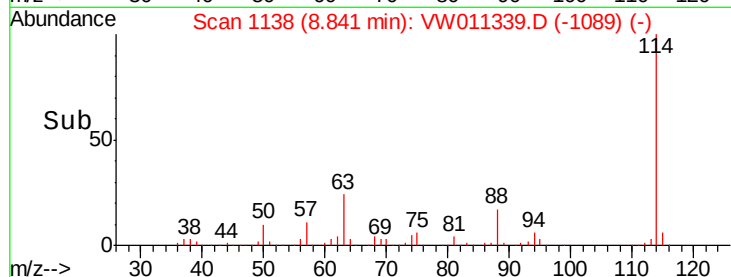
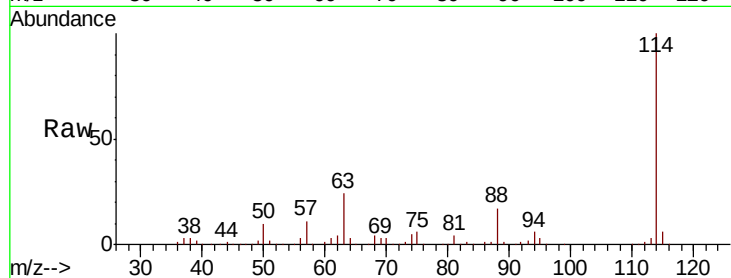




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011339.D  
 Acq: 18 Jul 2019 17:35

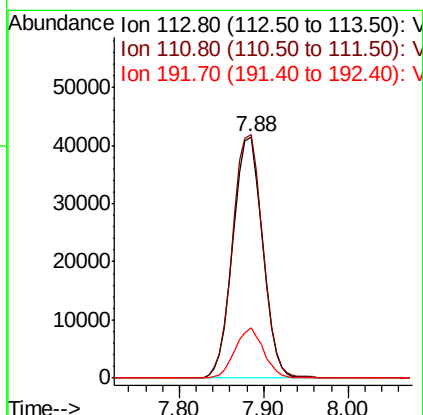
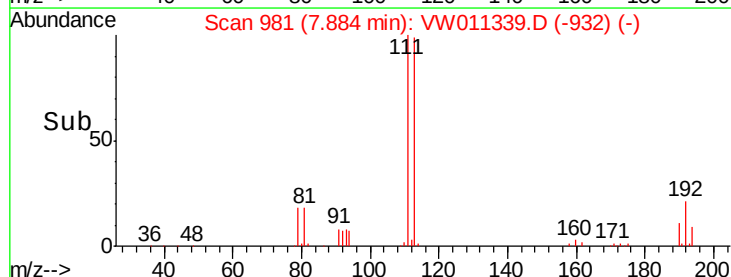
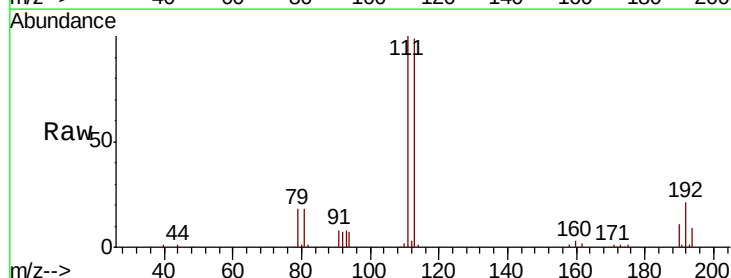
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY030LC058-SD-190712

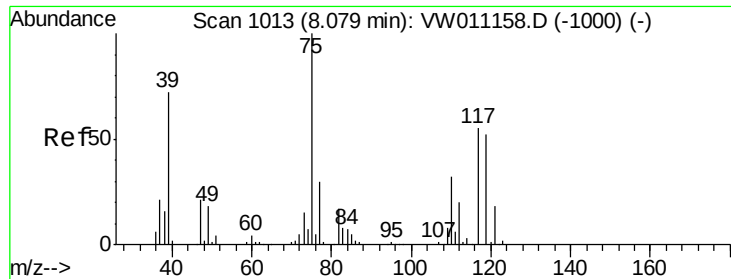
Tot Ion:114 Resp: 314852  
 Ion Ratio Lower Upper  
 114 100  
 63 24.2 0.0 50.8  
 88 16.6 0.0 34.2



#35  
 Dibromofluoromethane  
 Concen: 52.709 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW011339.D  
 Acq: 18 Jul 2019 17:35

Tgt Ion:113 Resp: 98916  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.4 123.6  
 192 19.7 15.8 23.8

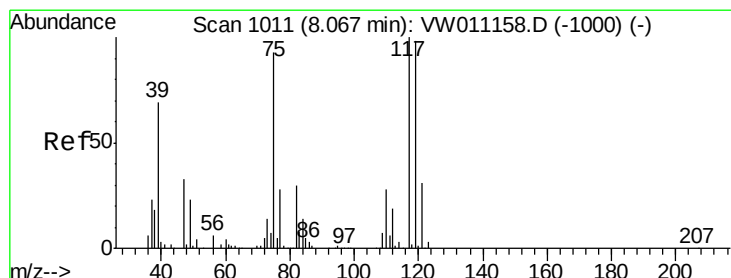
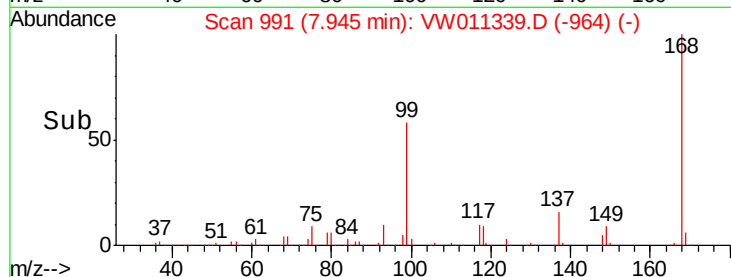
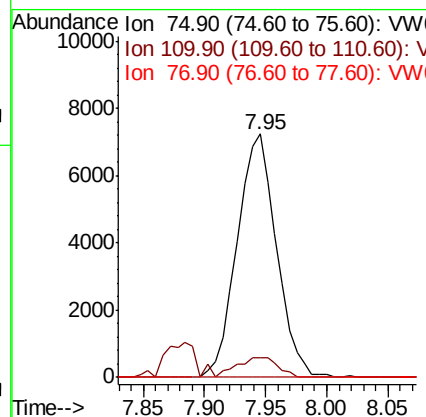
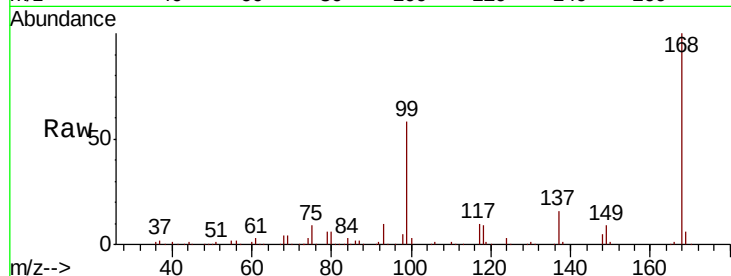




#36  
 1,1-Dichloropropene  
 Concen: 4.788 ug/l  
 RT: 7.95 min Scan# 991  
 Delta R.T. -0.13 min  
 Lab File: VW011339.D  
 Acq: 18 Jul 2019 17:35

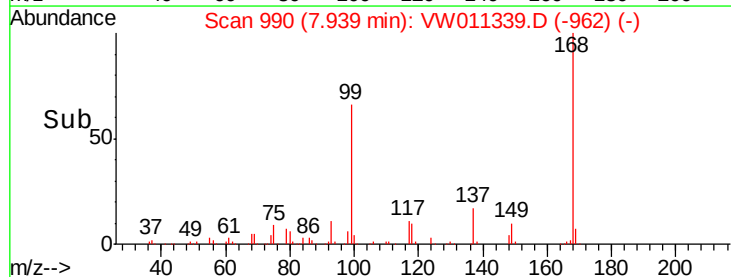
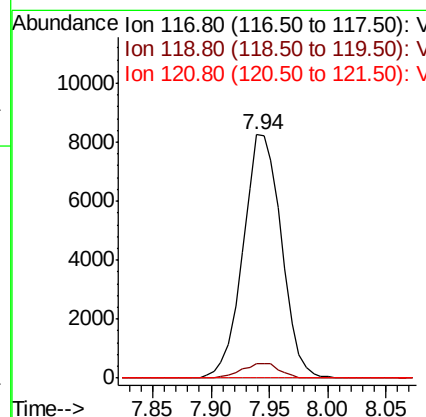
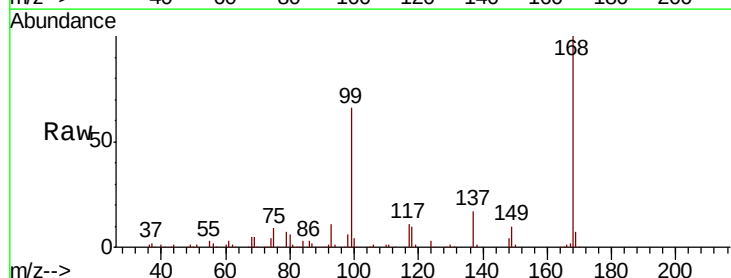
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY030LC058-SD-190712

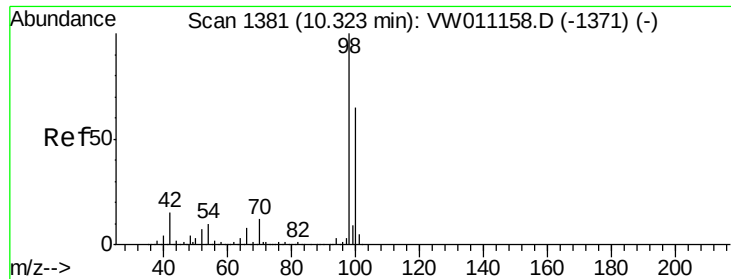
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.6   | 15.9  | 47.6# |
| 77      | 0.0   | 24.6  | 36.8# |



#38  
 Carbon Tetrachloride  
 Concen: 6.665 ug/l  
 RT: 7.94 min Scan# 990  
 Delta R.T. -0.13 min  
 Lab File: VW011339.D  
 Acq: 18 Jul 2019 17:35

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.7   | 78.1  | 117.1# |
| 121     | 0.0   | 25.1  | 37.7#  |





#50

Toluene-d8

Concen: 51.638 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011339.D

Acq: 18 Jul 2019 17:35

Instrument :

MSVOA\_W

ClientSampleId :

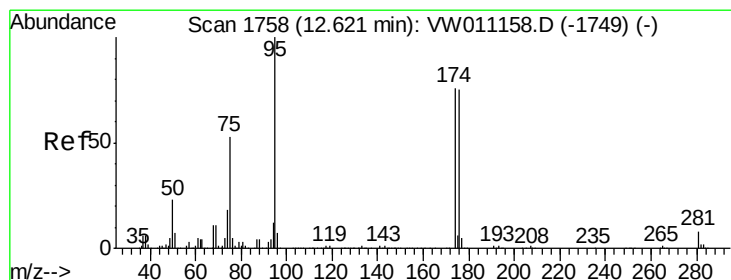
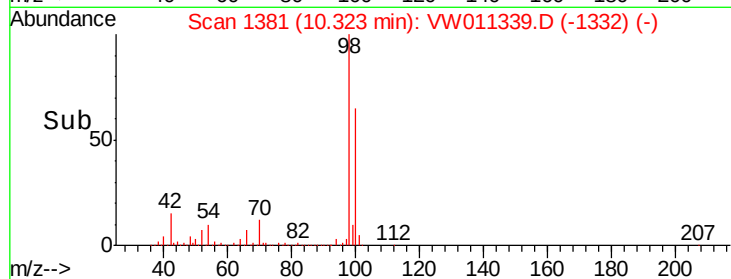
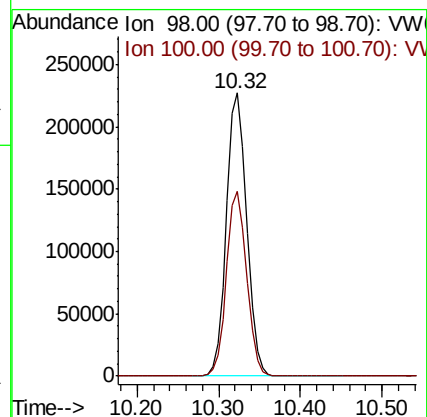
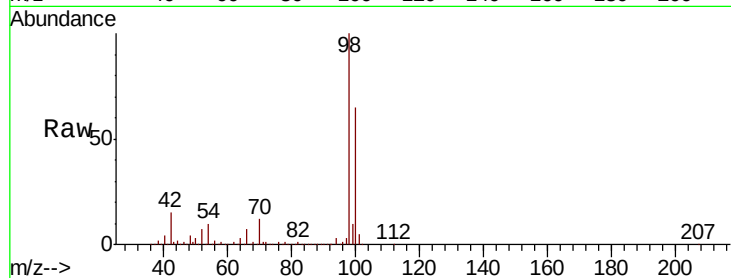
KY030LC058-SD-190712

Tot Ion: 98 Resp: 391713

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.957 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011339.D

Acq: 18 Jul 2019 17:35

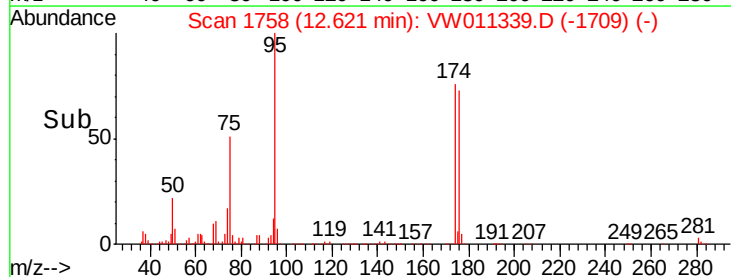
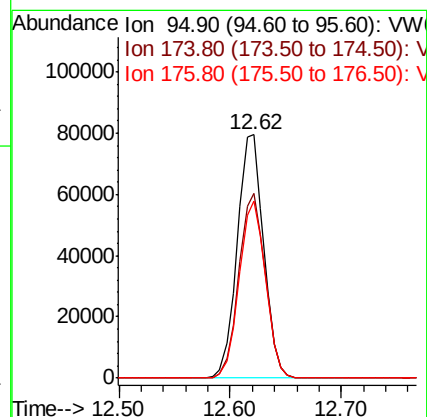
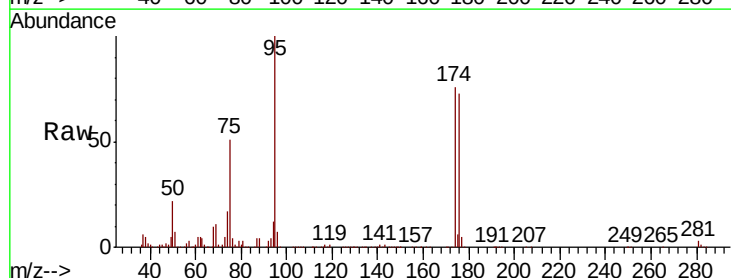
Tgt Ion: 95 Resp: 130561

Ion Ratio Lower Upper

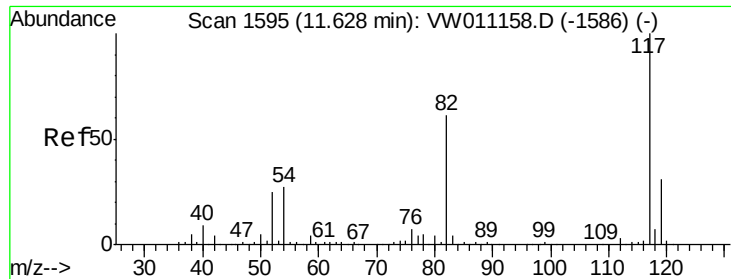
95 100

174 75.9 0.0 147.6

176 72.5 0.0 144.6



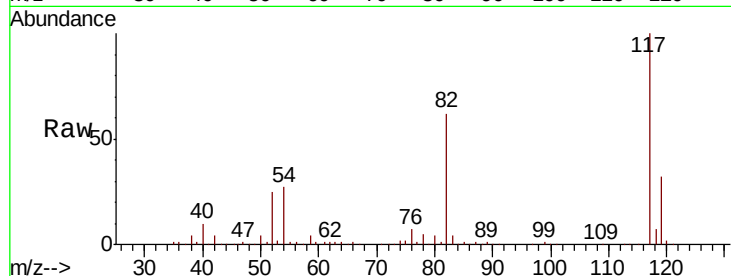




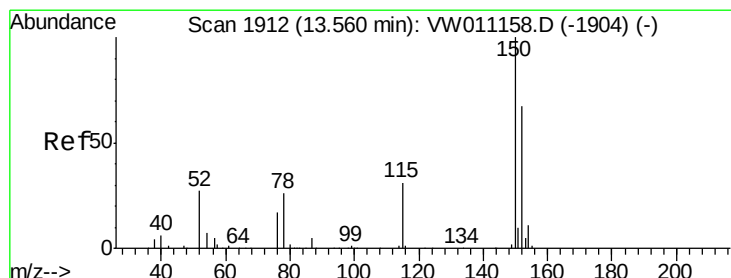
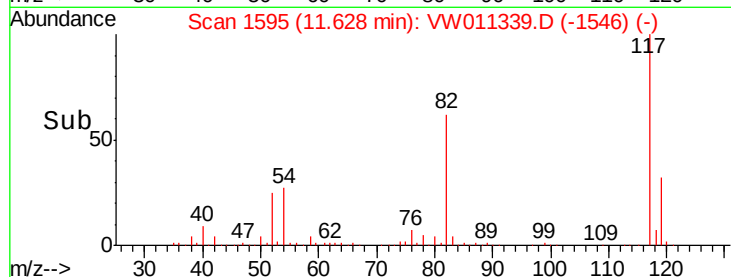
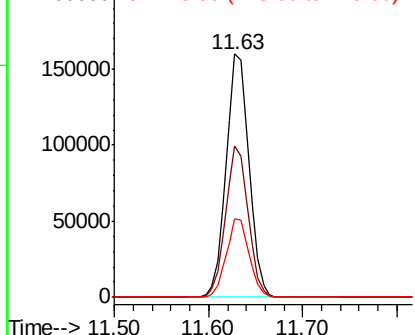
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW011339.D  
Acq: 18 Jul 2019 17:35

Instrument :  
MSVOA\_W  
ClientSampleId :  
KY030LC058-SD-190712

Tot Ion:117 Resp: 269729  
Ion Ratio Lower Upper  
117 100  
82 62.4 48.9 73.3  
119 32.0 25.0 37.6

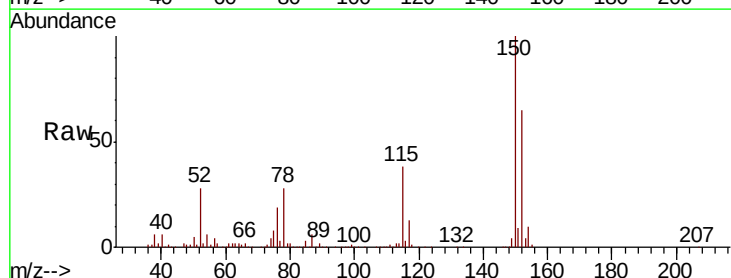


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

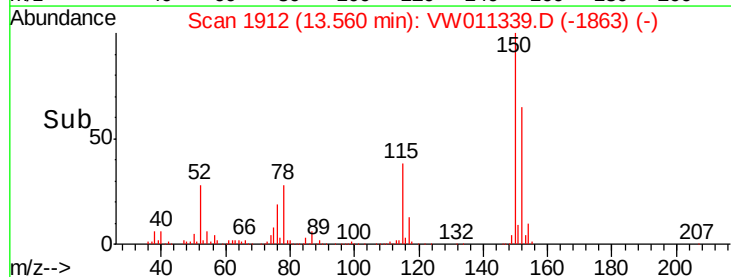
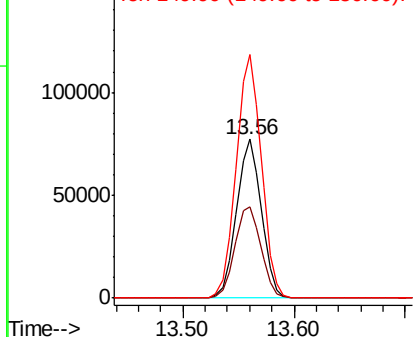


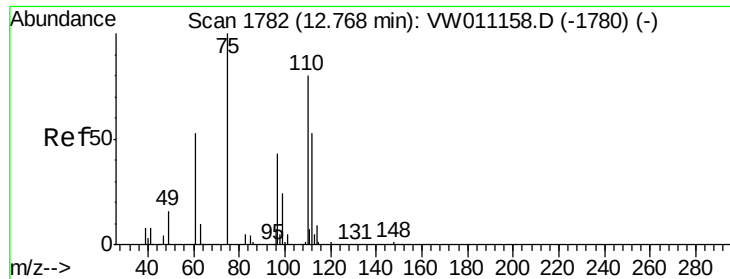
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011339.D  
Acq: 18 Jul 2019 17:35

Tgt Ion:152 Resp: 118815  
Ion Ratio Lower Upper  
152 100  
115 60.2 30.1 90.3  
150 155.5 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

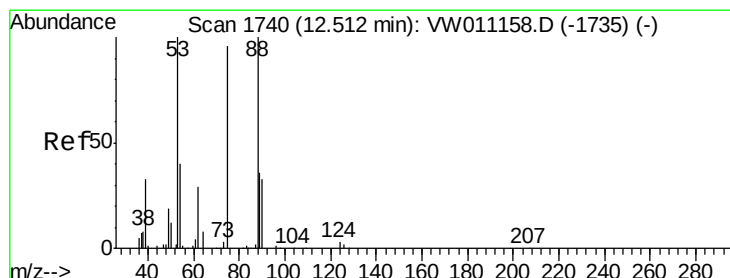
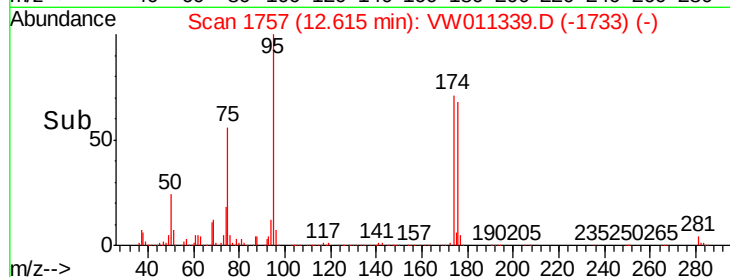
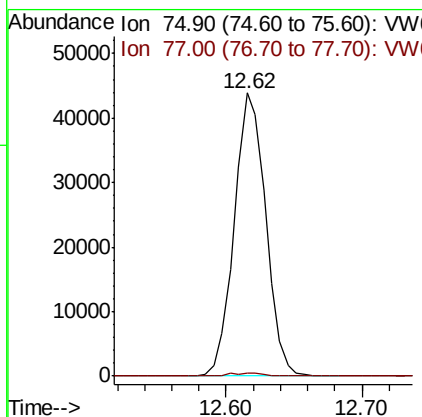
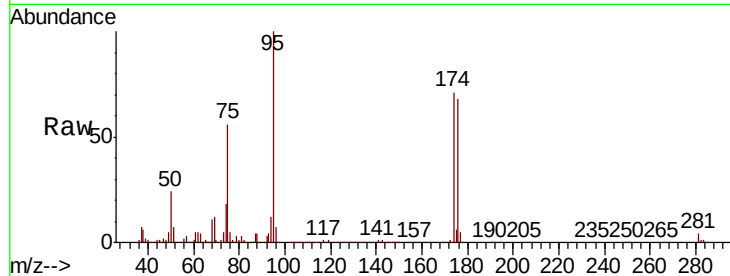




#76  
 1,2,3-Trichloropropane  
 Concen: 51.475 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.15 min  
 Lab File: VW011339.D  
 Acq: 18 Jul 2019 17:35

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY030LC058-SD-190712

Tot Ion: 75 Resp: 70678  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 116.426 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.10 min  
 Lab File: VW011339.D  
 Acq: 18 Jul 2019 17:35

Tgt Ion: 75 Resp: 70678  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 89.8 134.6#  
 89 0.0 34.3 51.5#

