

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\  
 Data File : VW016293.D  
 Acq On : 21 Aug 2020 05:25  
 Operator : SY/VA  
 Sample : L3729-01RE  
 Misc : 4.59G/5ML/MSVOA W/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3-(0-1)

Quant Time: Aug 21 08:07:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W081420S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 17 08:01:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 217109   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 404179   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 364923   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 150194   | 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   | 115968   | 54.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.54% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 125031   | 50.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.28% |          |
| 50) Toluene-d8              | 10.33 | 98   | 484435   | 50.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.36% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 166066   | 48.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.26%  |          |

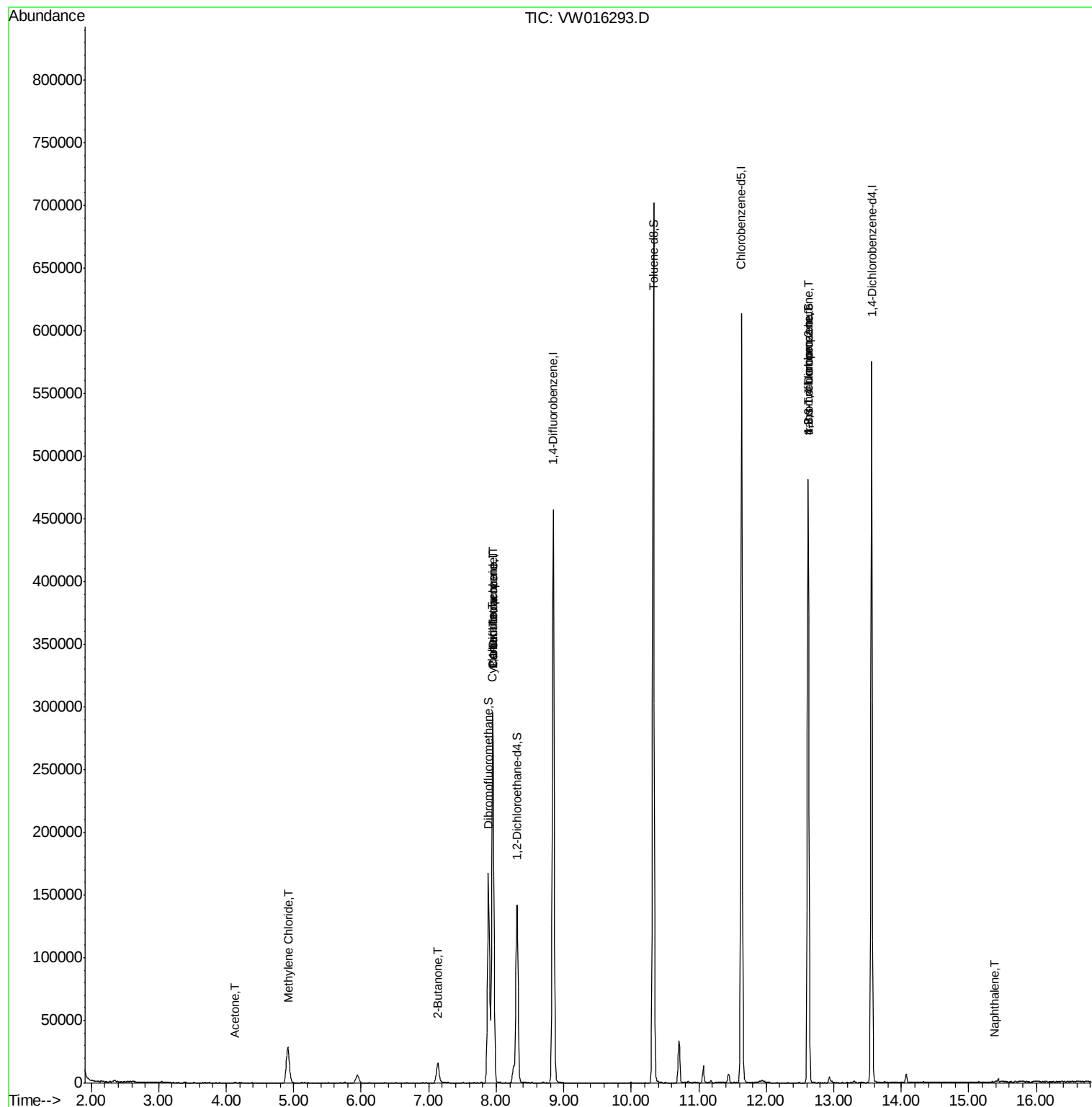
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                    | 4.13  | 43   | 553      | 1.363   | ug/l # | 42     |
| 20) Methylene Chloride         | 4.92  | 84   | 24495    | 5.305   | ug/l   | 90     |
| 25) 2-Butanone                 | 7.14  | 43   | 739      | 1.360   | ug/l # | 83     |
| 31) Cyclohexane                | 7.94  | 56   | 4075     | 1.055   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.95  | 75   | 16857    | 4.234   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.95  | 117  | 23245    | 5.850   | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.62 | 75   | 79369    | 57.460  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75   | 79369    | 137.825 | ug/l # | 12     |
| 95) Naphthalene                | 15.37 | 128  | 316      | 3.631   | ug/l # | 69     |

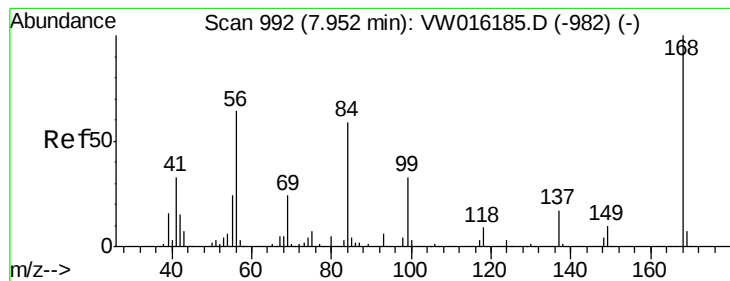
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Aug 17 08:01:41 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016293.D

Acq: 21 Aug 2020 05:25

Instrument :

MSVOA\_W

ClientSampleId :

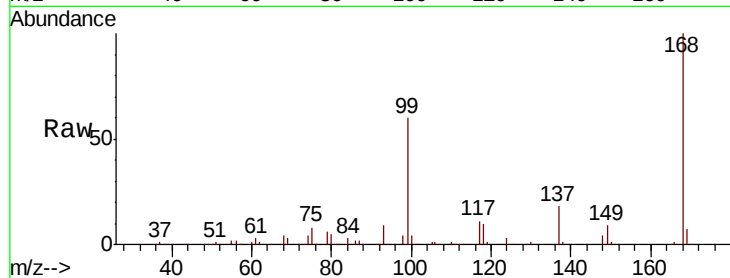
SB-3-(0-1)

Tot Ion:168 Resp: 217109

Ion Ratio Lower Upper

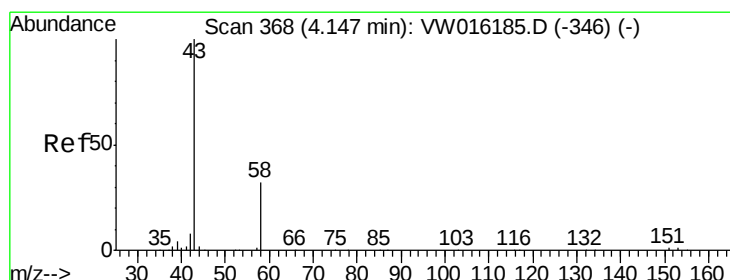
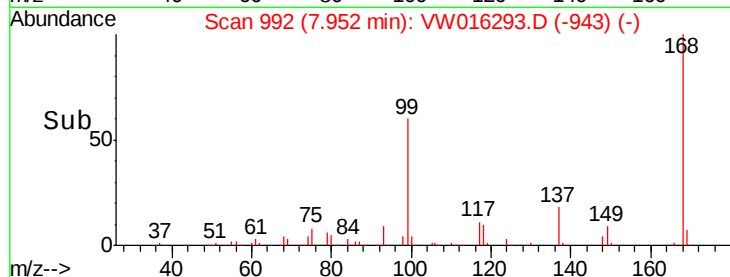
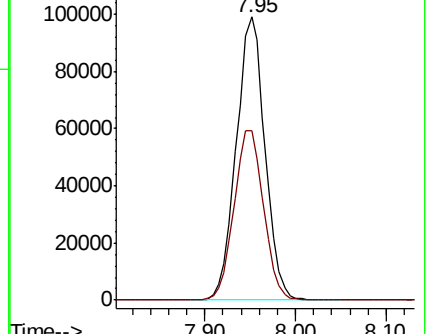
168 100

99 60.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 1.363 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016293.D

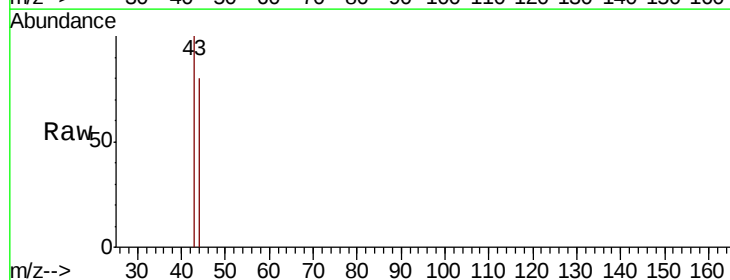
Acq: 21 Aug 2020 05:25

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

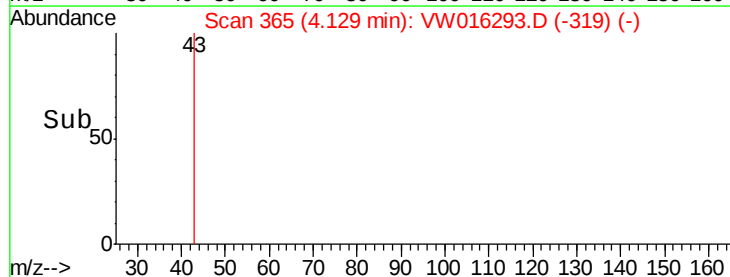
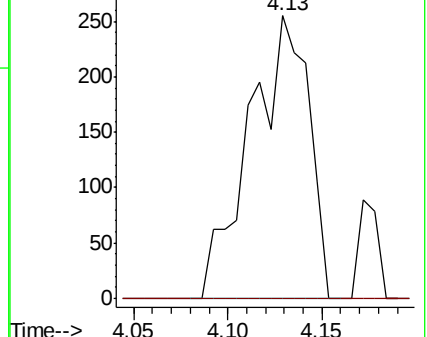
43 100

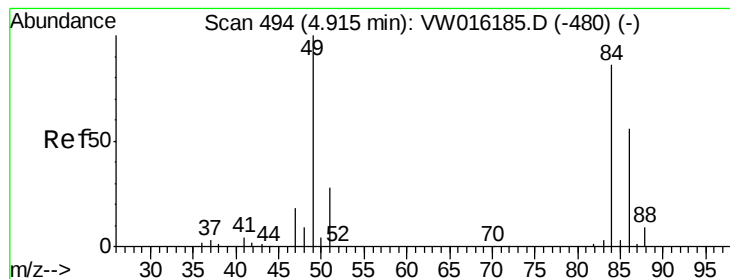
58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 5.305 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016293.D

Acq: 21 Aug 2020 05:25

Instrument :

MSVOA\_W

ClientSampleId :

SB-3-(0-1)

Tot Ion: 84 Resp: 24495

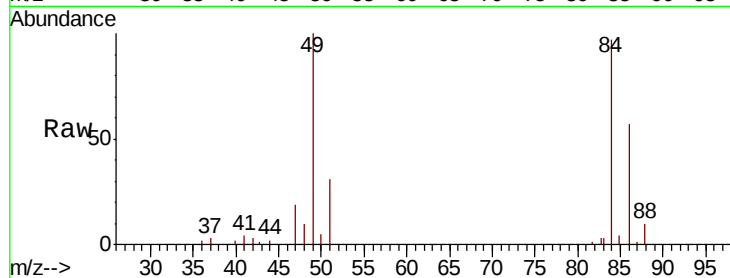
Ion Ratio Lower Upper

84 100

49 102.9 93.4 140.2

51 32.1 26.6 40.0

86 58.6 52.2 78.2

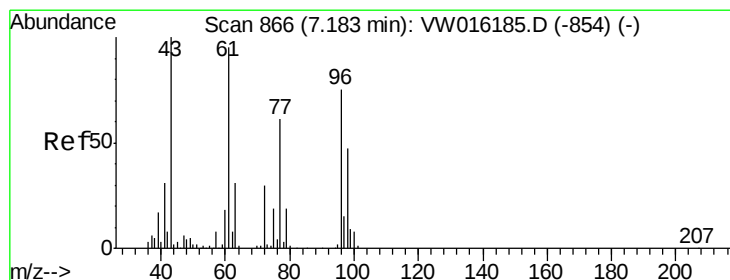
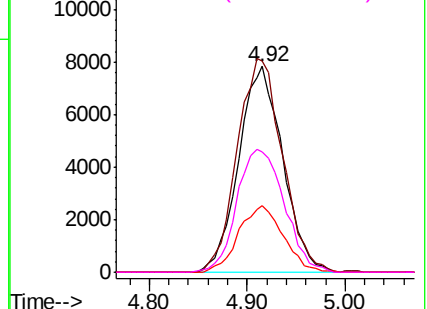
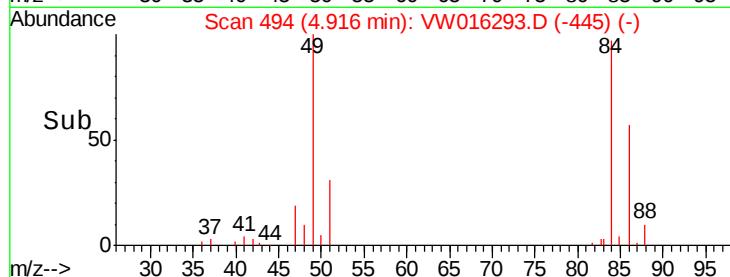


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.360 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW016293.D

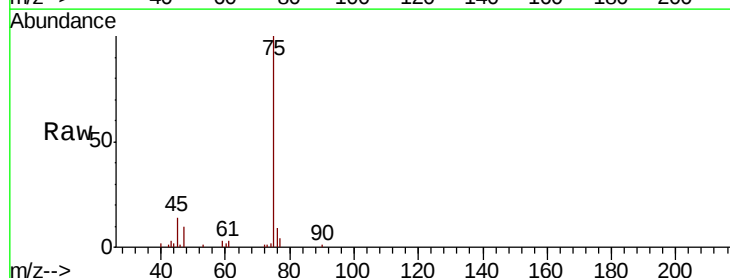
Acq: 21 Aug 2020 05:25

Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

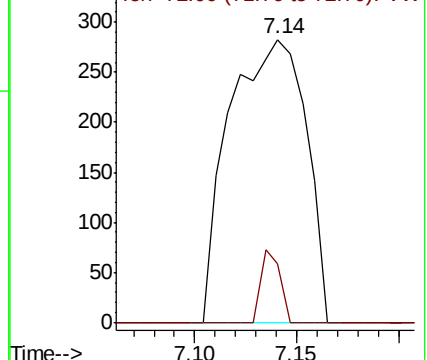
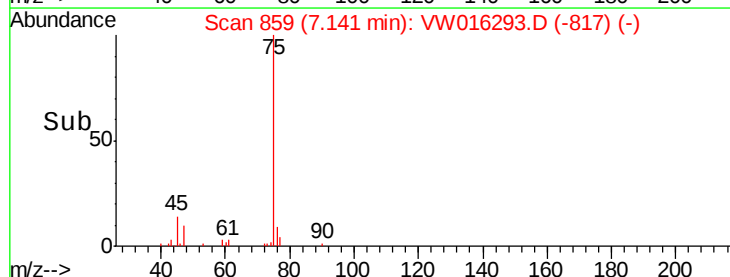
43 100

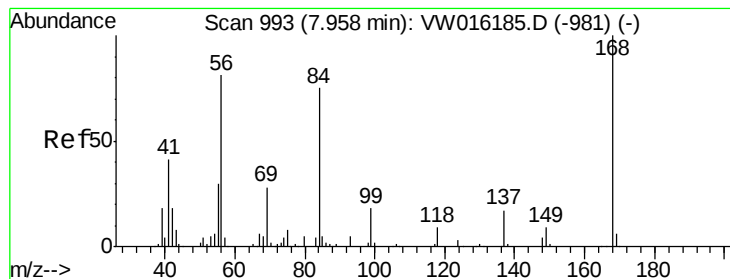
72 20.8 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW016293.D

Acq: 21 Aug 2020 05:25

Instrument :

MSVOA\_W

ClientSampled :

SB-3-(0-1)

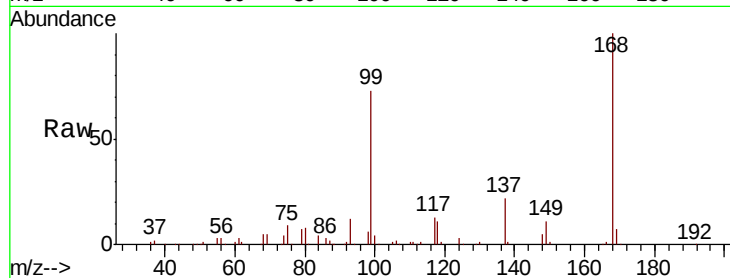
Tot Ion: 56 Resp: 4075

Ion Ratio Lower Upper

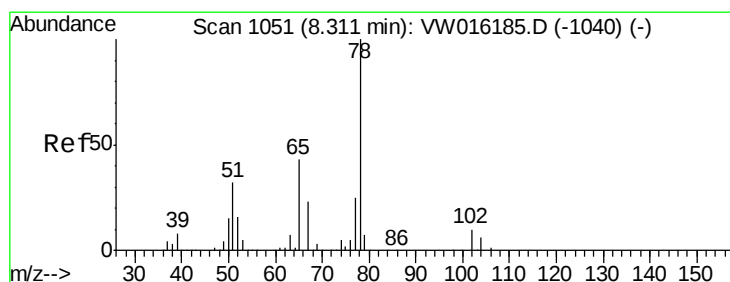
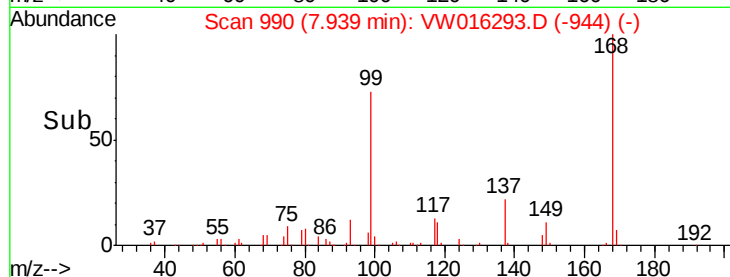
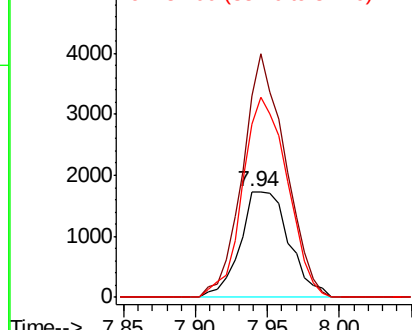
56 100

69 190.3 27.3 40.9#

84 163.7 73.5 110.3#



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.773 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW016293.D

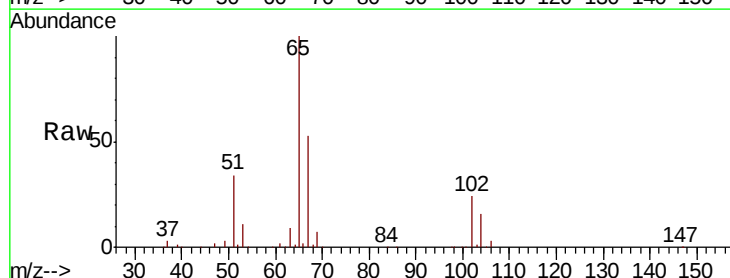
Acq: 21 Aug 2020 05:25

Tgt Ion: 65 Resp: 115968

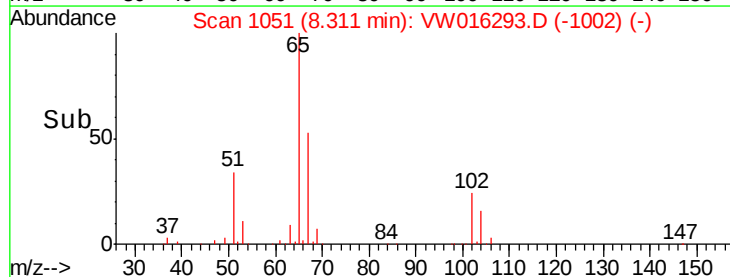
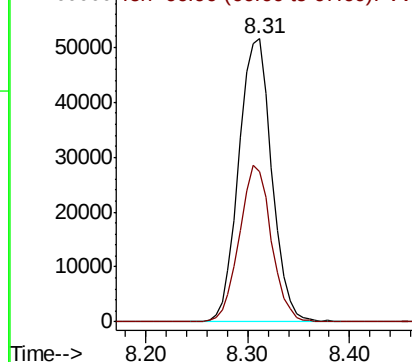
Ion Ratio Lower Upper

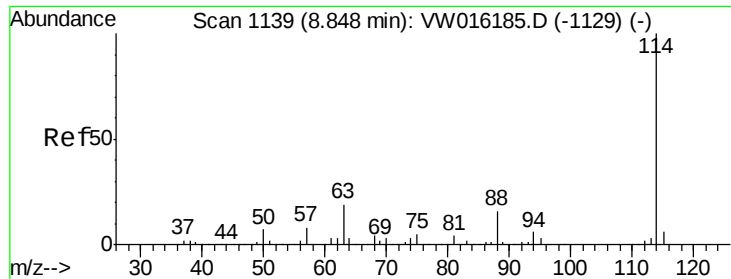
65 100

67 53.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VW  
Ion 66.90 (66.60 to 67.60): VW

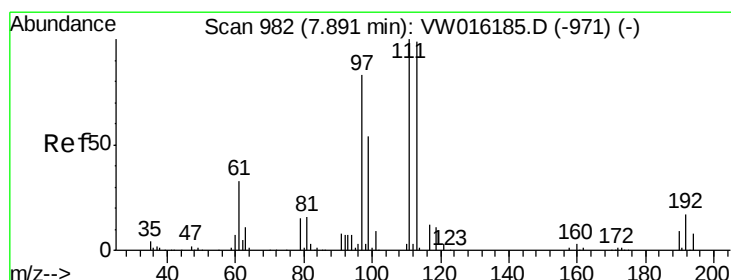
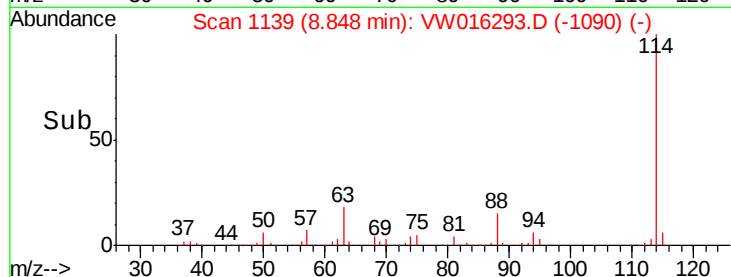
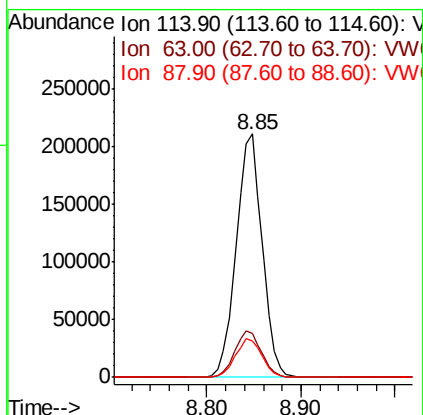
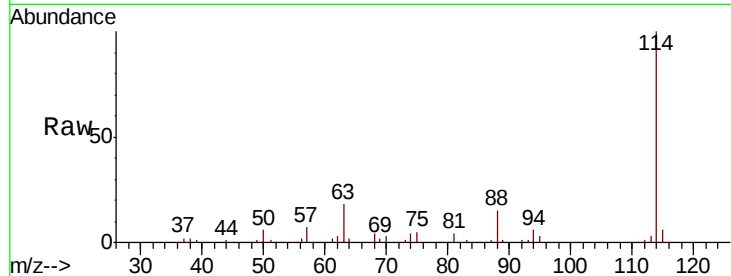




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

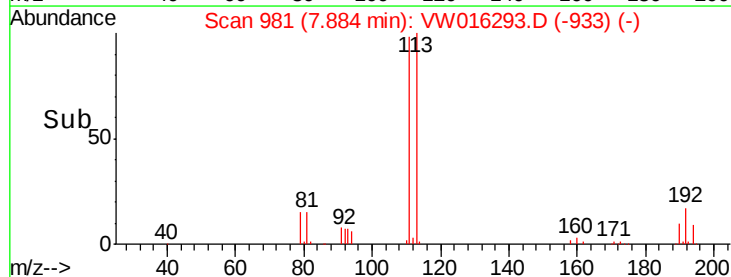
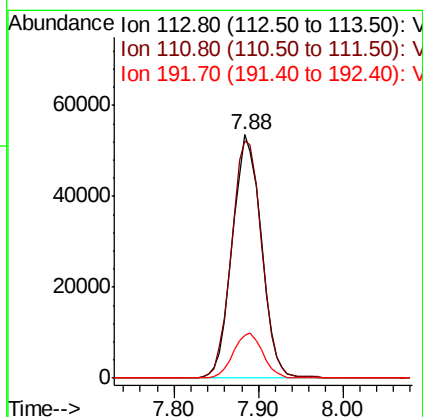
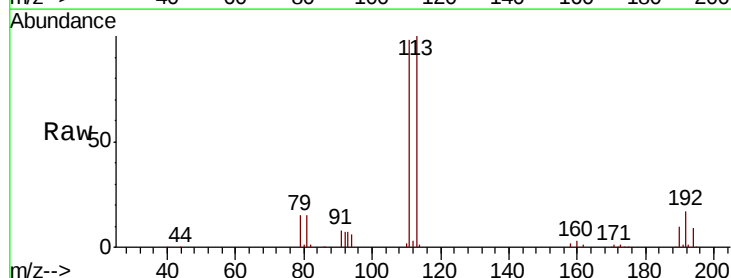
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-3-(0-1)

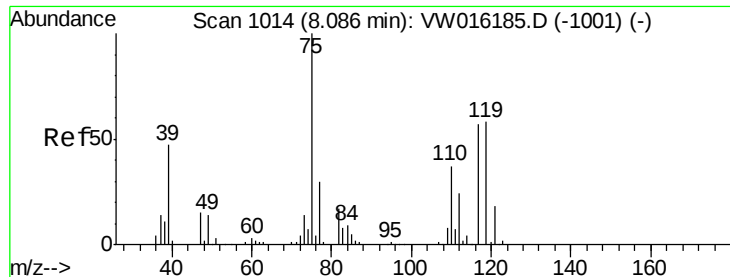
Tot Ion:114 Resp: 404179  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 38.4  
 88 15.1 0.0 32.8



#35  
 Dibromofluoromethane  
 Concen: 50.136 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

Tgt Ion:113 Resp: 125031  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 83.5 125.3  
 192 18.7 14.3 21.5

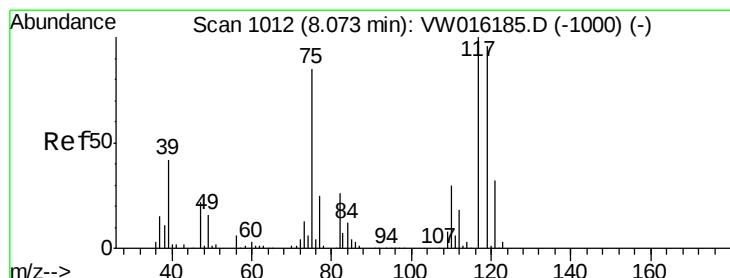
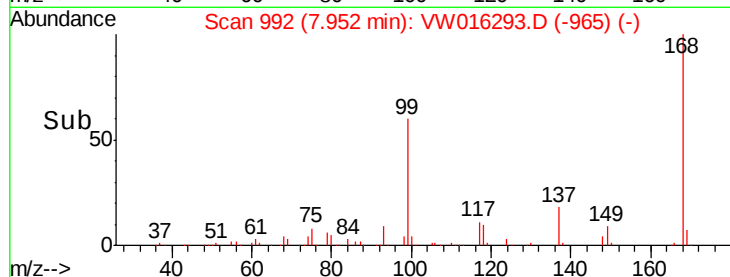
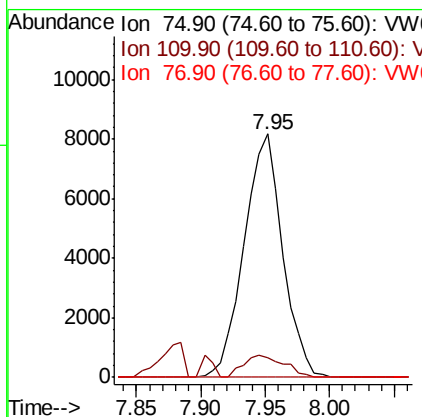
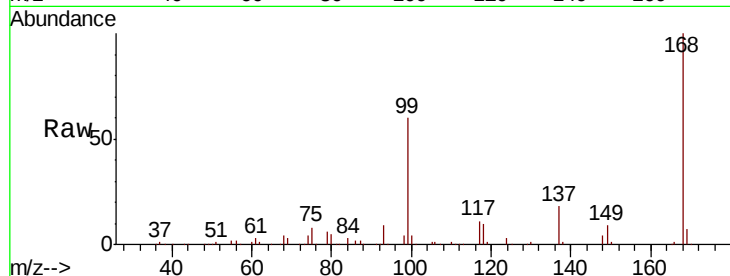




#36  
 1,1-Dichloropropene  
 Concen: 4.234 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.13 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

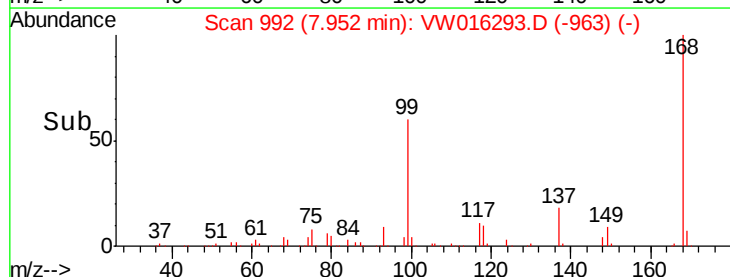
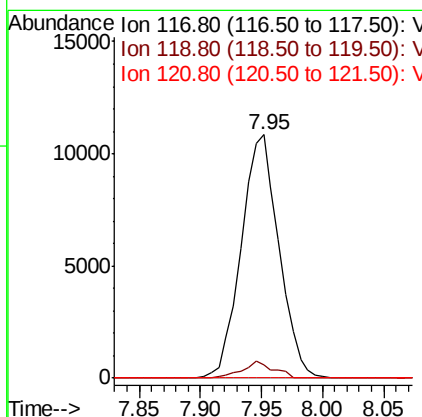
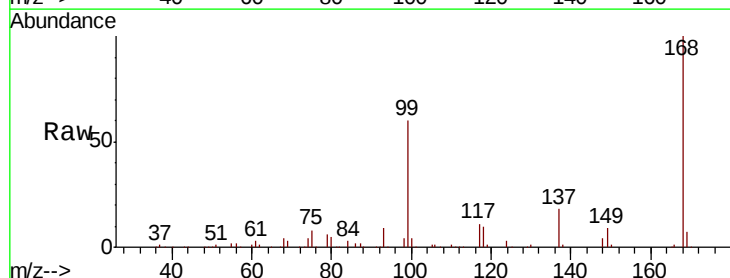
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-3-(0-1)

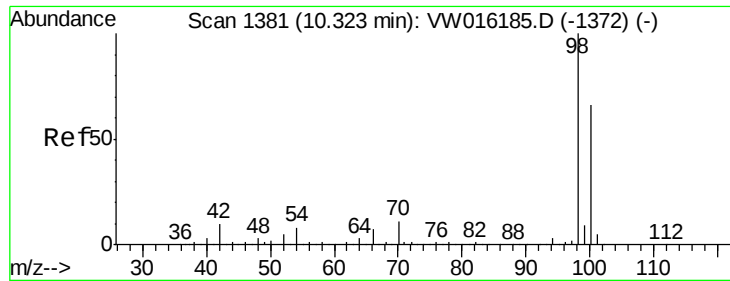
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.6   | 18.1  | 54.3# |
| 77      | 0.0   | 24.7  | 37.1# |



#38  
 Carbon Tetrachloride  
 Concen: 5.850 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.2   | 76.6  | 115.0# |
| 121     | 0.0   | 25.4  | 38.0#  |





#50

Toluene-d8

Concen: 50.184 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016293.D

Acq: 21 Aug 2020 05:25

Instrument :

MSVOA\_W

ClientSampleId :

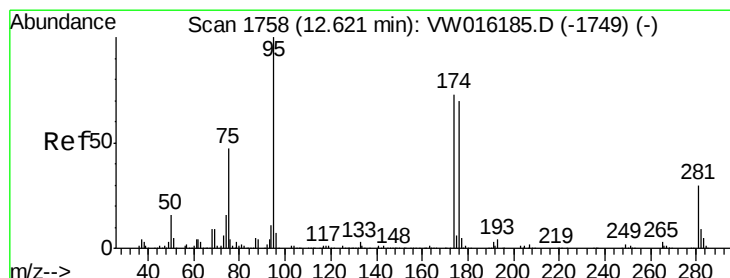
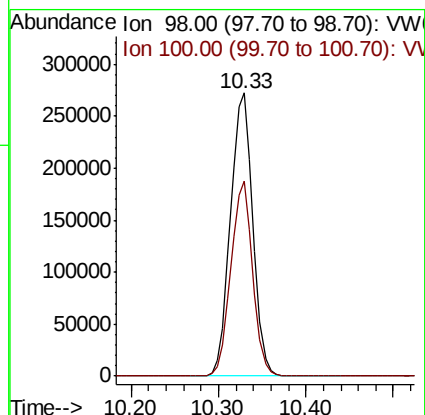
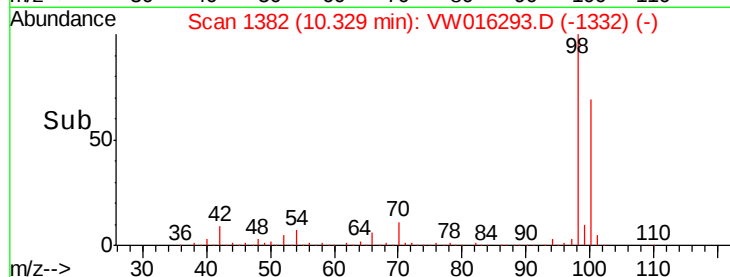
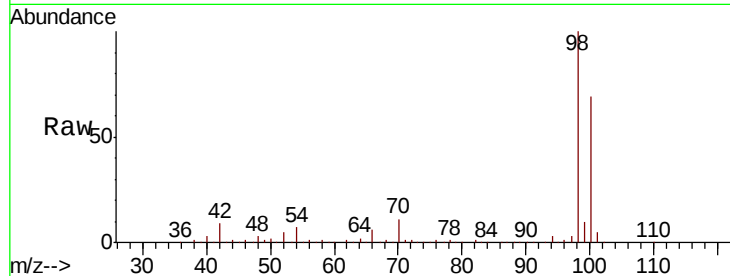
SB-3-(0-1)

Tot Ion: 98 Resp: 484435

Ion Ratio Lower Upper

98 100

100 66.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 48.127 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016293.D

Acq: 21 Aug 2020 05:25

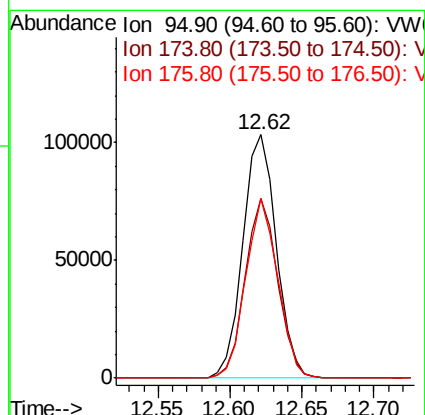
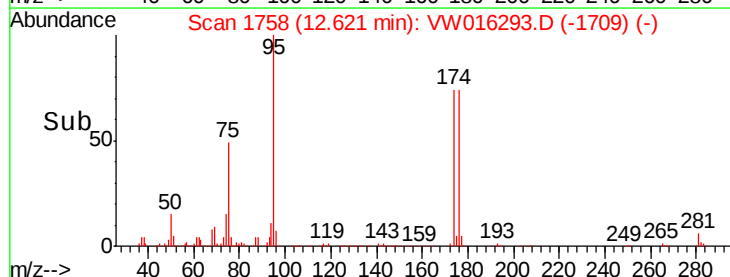
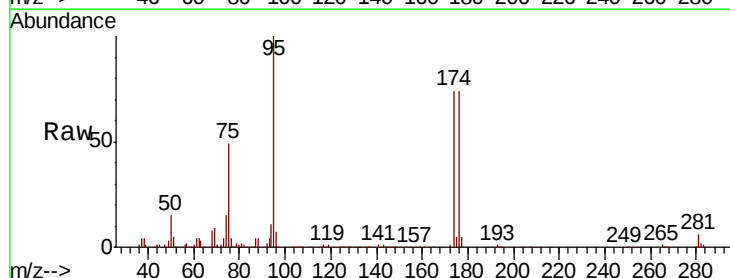
Tgt Ion: 95 Resp: 166066

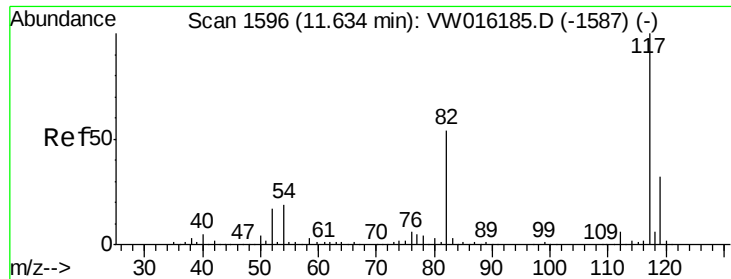
Ion Ratio Lower Upper

95 100

174 72.3 0.0 145.6

176 70.6 0.0 137.8

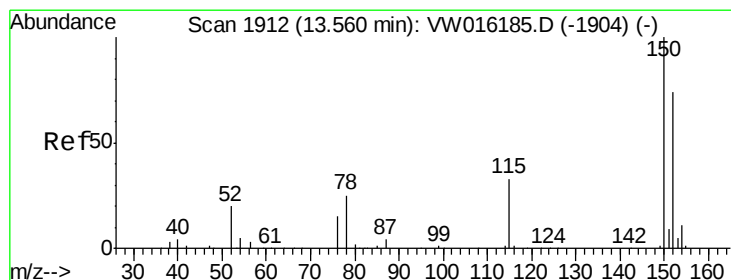
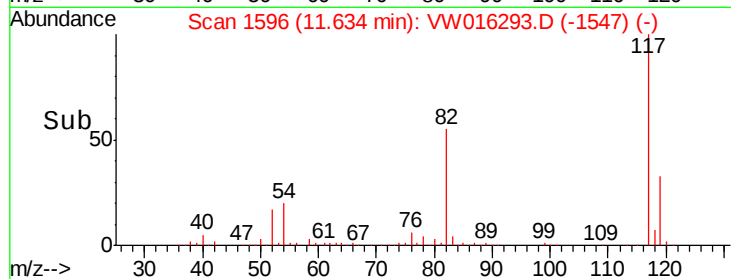
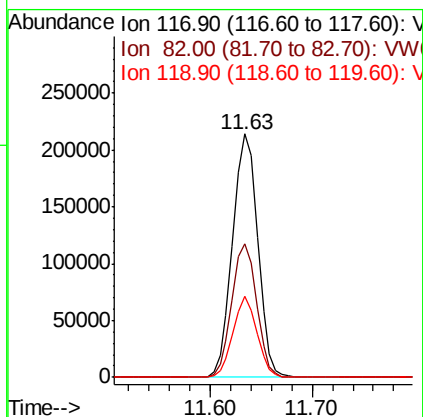
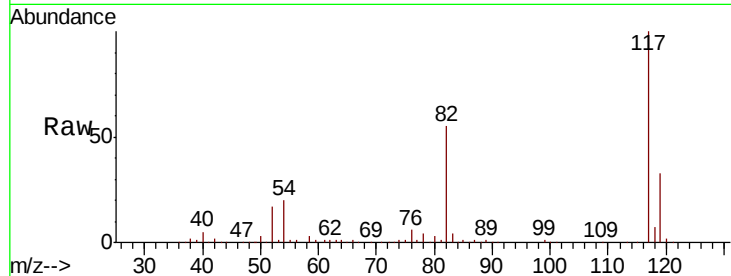




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.63 min Scan# 1596  
 Delta R.T. 0.00 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

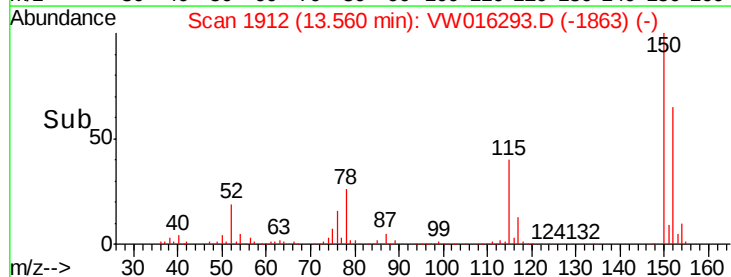
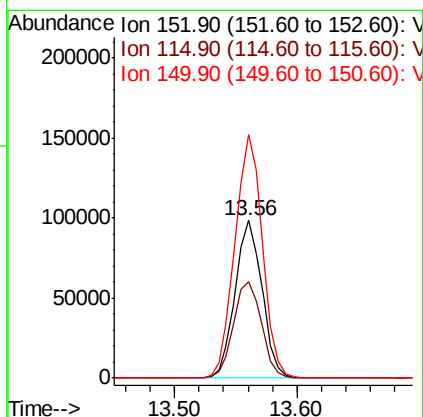
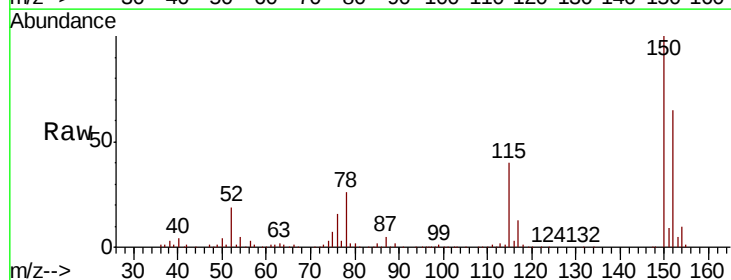
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-3-(0-1)

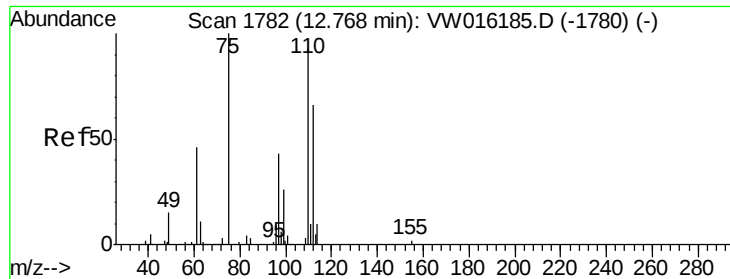
Tot Ion:117 Resp: 364923  
 Ion Ratio Lower Upper  
 117 100  
 82 54.9 43.6 65.4  
 119 33.1 25.4 38.0



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. 0.00 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

Tgt Ion:152 Resp: 150194  
 Ion Ratio Lower Upper  
 152 100  
 115 63.3 30.9 92.5  
 150 156.8 0.0 337.8

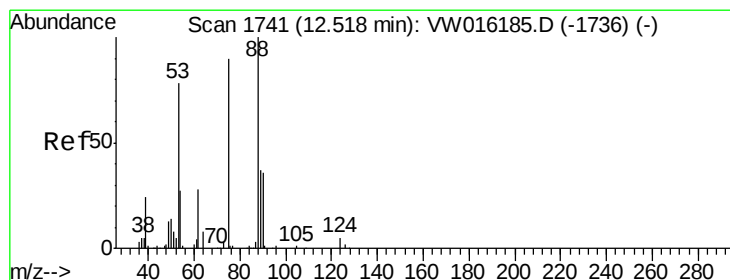
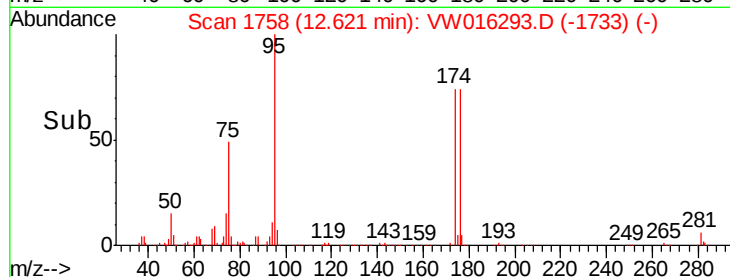
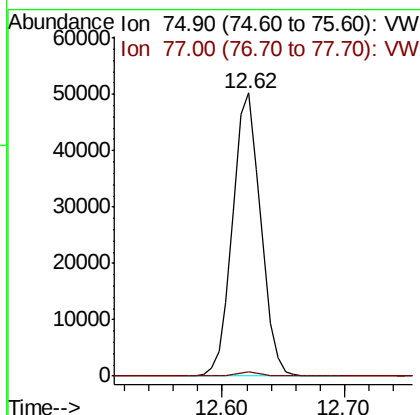
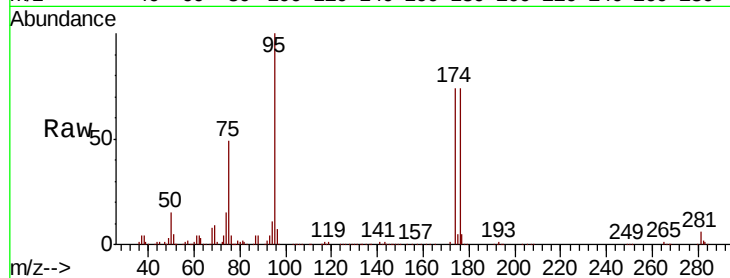




#76  
 1,2,3-Trichloropropane  
 Concen: 57.460 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.15 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

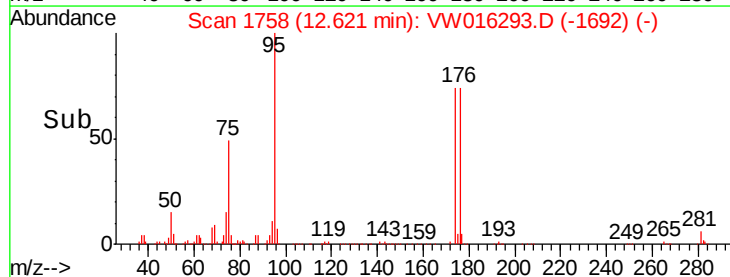
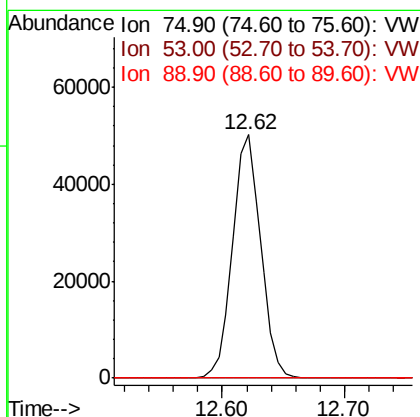
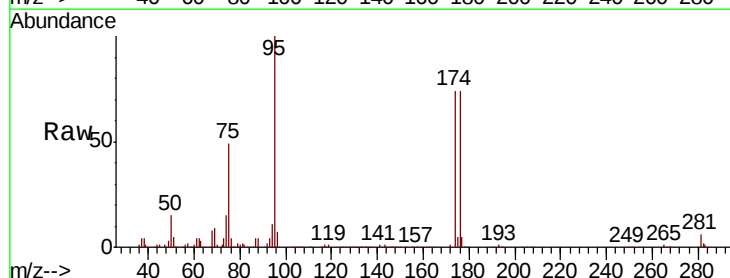
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 SB-3-(0-1)

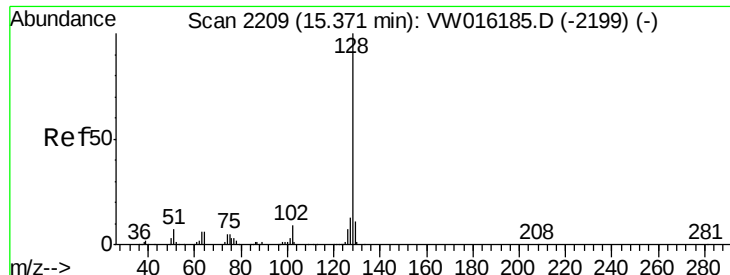
Tot Ion: 75 Resp: 79369  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 173.6 520.6#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 137.825 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.10 min  
 Lab File: VW016293.D  
 Acq: 21 Aug 2020 05:25

Tgt Ion: 75 Resp: 79369  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.6 111.8#  
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 3.631 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016293.D

Acq: 21 Aug 2020 05:25

Instrument :

MSVOA\_W

ClientSampleId :

SB-3-(0-1)

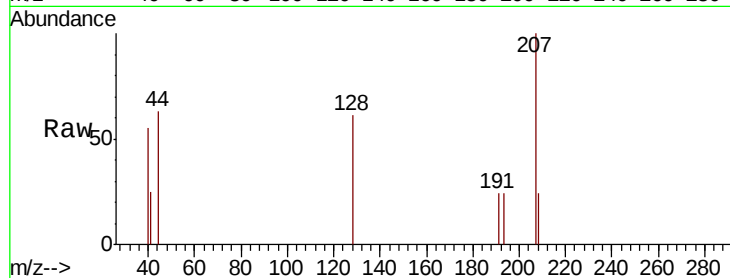
Tot Ion:128 Resp: 316

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

