

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\  
 Data File : VW011525.D  
 Acq On : 26 Jul 2019 19:15  
 Operator : SY/VA  
 Sample : K3620-15  
 Misc : 5.81G/5.0ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-02-072519-C

Quant Time: Jul 27 06:29:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W072719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 00:23:30 2019  
 Response via : Initial Calibration

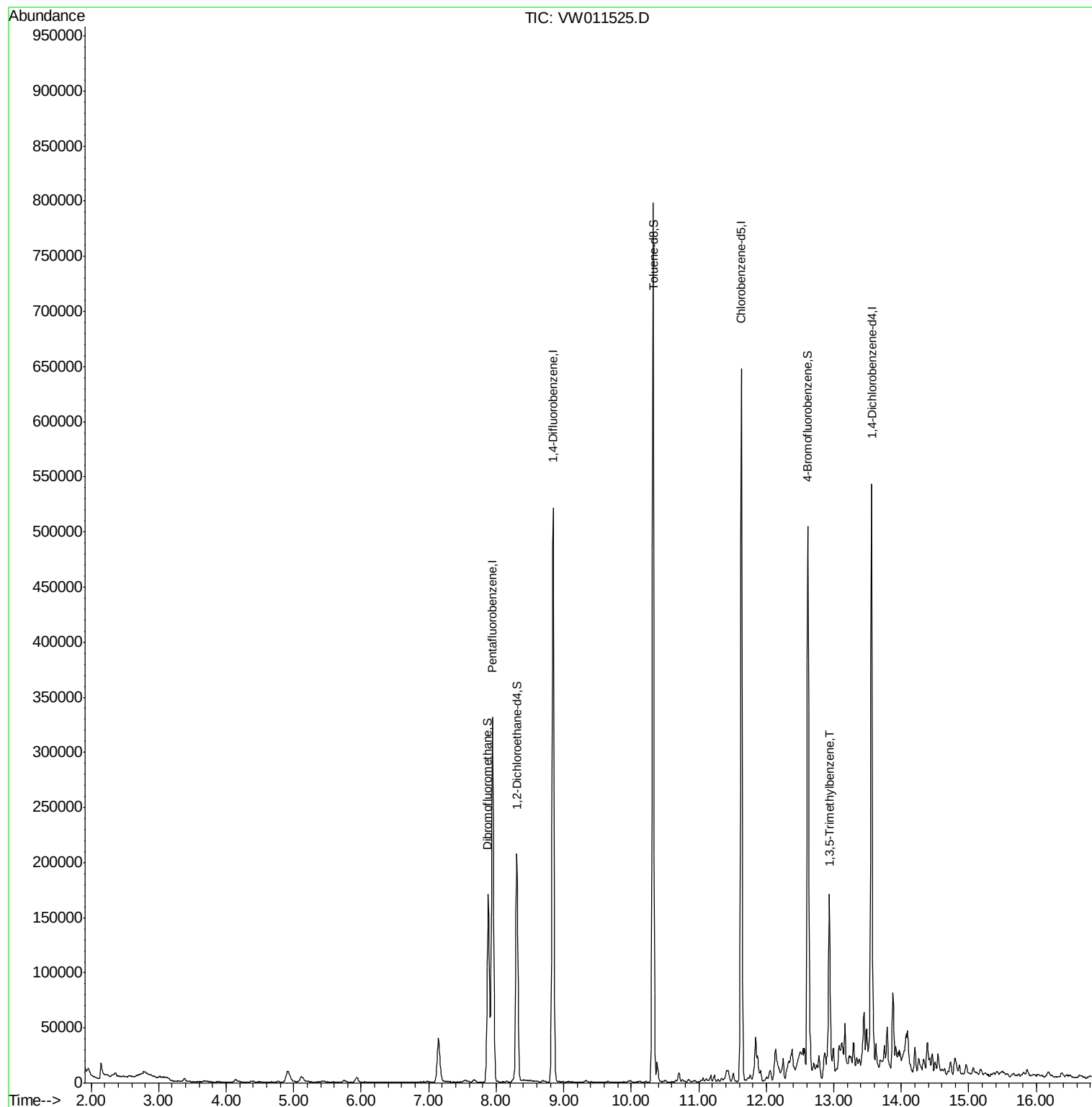
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 246276   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 406563   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 332243   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 130754   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 155641   | 55.04 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.08% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 123111   | 53.97 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.94% |           |
| 50) Toluene-d8              | 10.32 | 98   | 495857   | 53.10 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.20% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 159459   | 47.89 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.78%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 80) 1,3,5-Trimethylbenzene  | 12.94 | 105  | 24446    | 2.990 | ug/l    | Qvalue 94 |

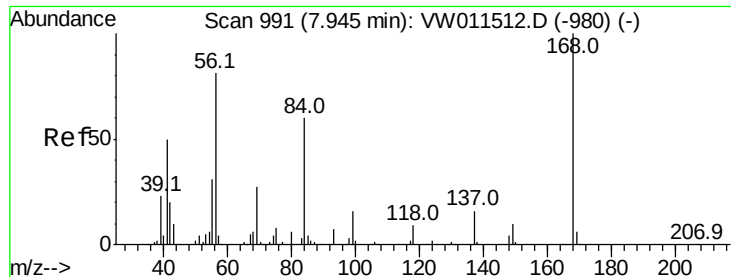
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jul 27 00:23:30 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: VW011525.D

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Instrument :

MSVOA\_W

ClientSampleId :

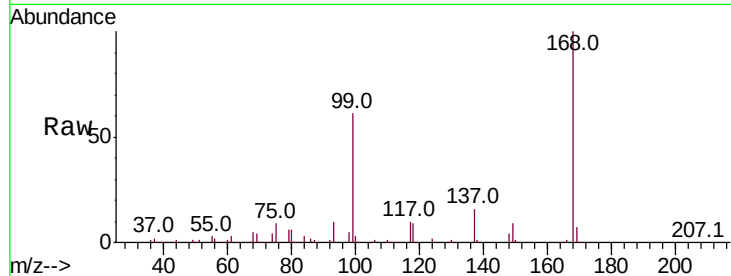
CL-02-072519-C

Tot Ion:168 Resp: 246276

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

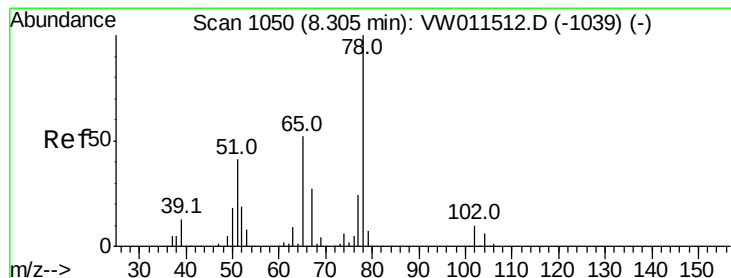
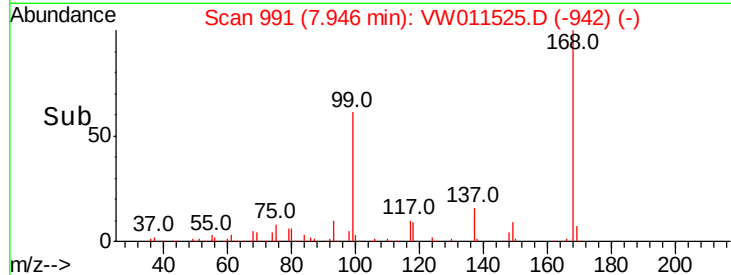
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 55.037 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011525.D

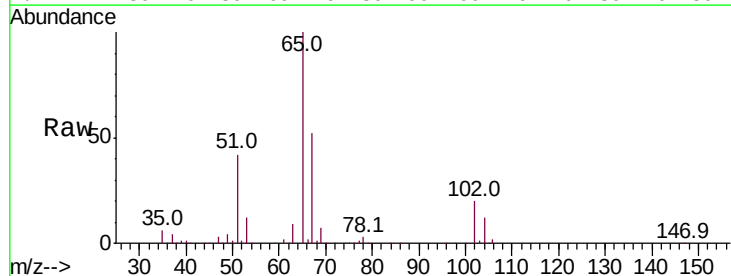
Acq: 26 Jul 2019 19:15

Tgt Ion: 65 Resp: 155641

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

80000

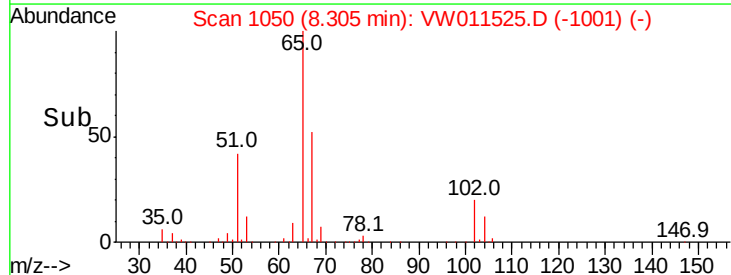
60000

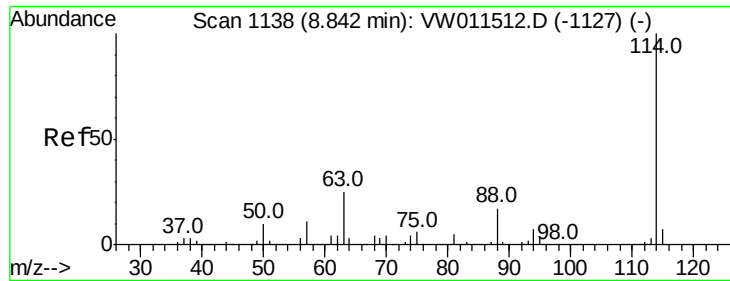
40000

20000

0

Time--> 8.20 8.30 8.40

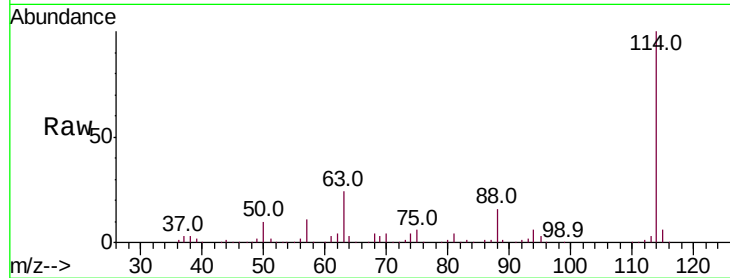




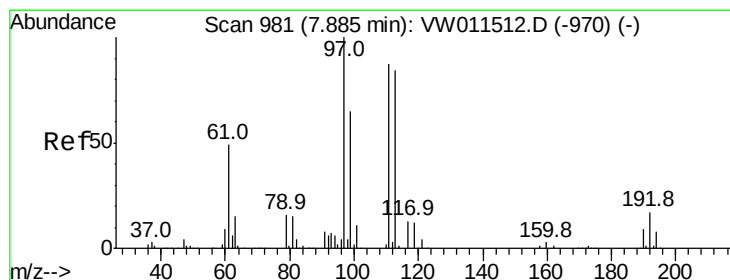
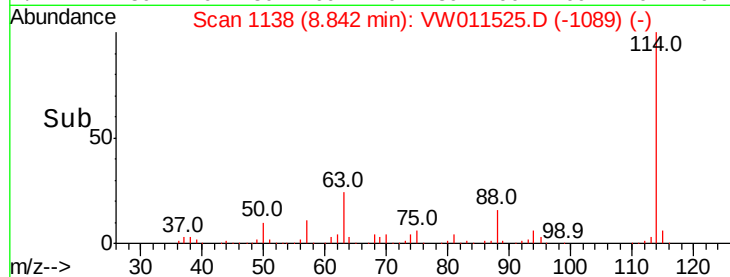
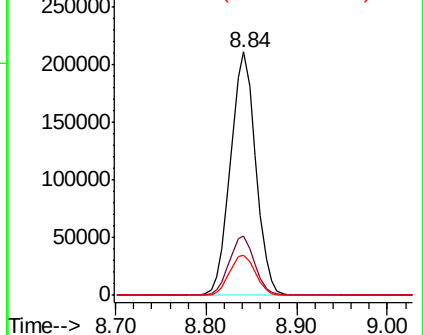
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW011525.D  
 Acq: 26 Jul 2019 19:15

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 CL-02-072519-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.1  | 0.0   | 49.2  |
| 88      | 16.2  | 0.0   | 33.8  |

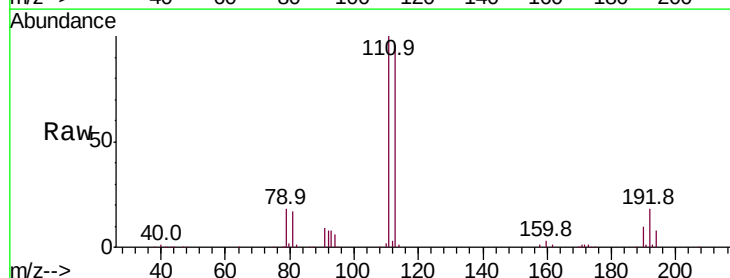


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VW  
 Ion 87.90 (87.60 to 88.60): VW

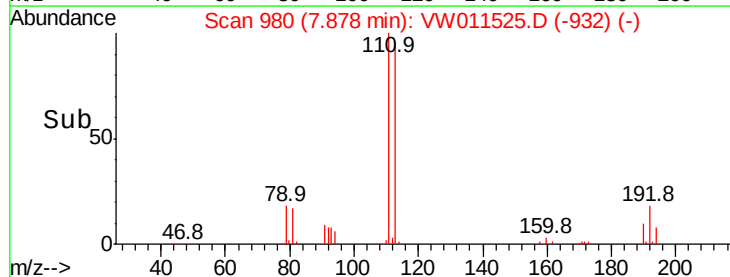
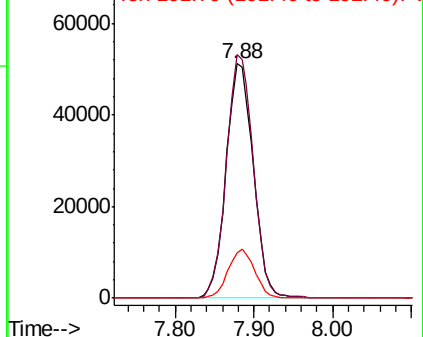


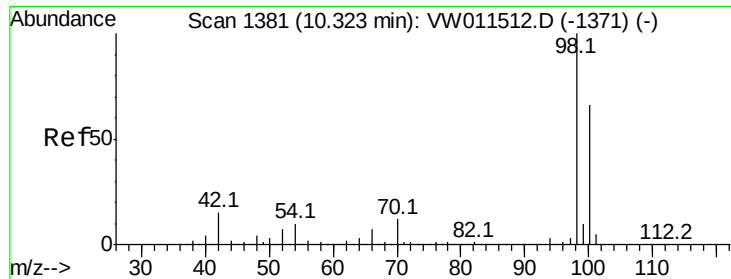
#35  
 Dibromofluoromethane  
 Concen: 53.975 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW011525.D  
 Acq: 26 Jul 2019 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.7  | 124.1 |
| 192     | 20.2  | 16.1  | 24.1  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

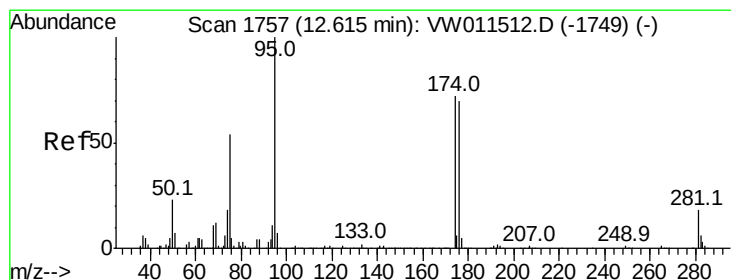
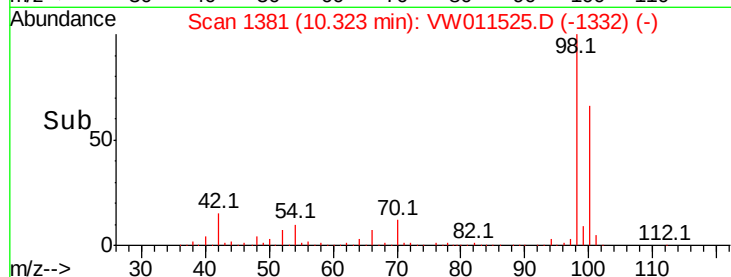
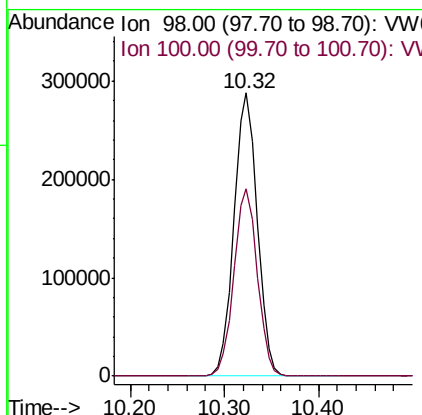
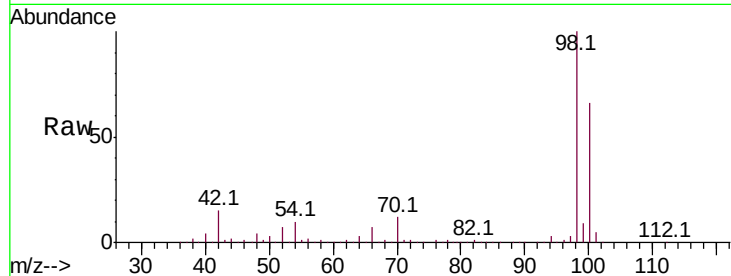




#50  
Toluene-d8  
Concen: 53.097 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW011525.D  
Acq: 26 Jul 2019 19:15

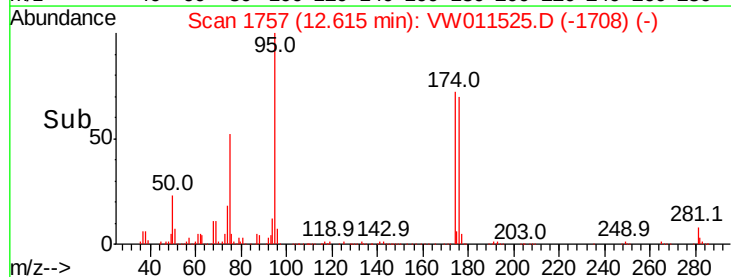
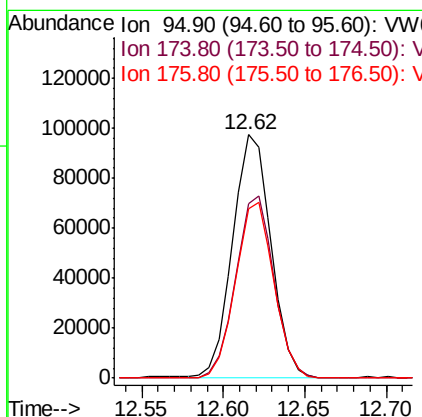
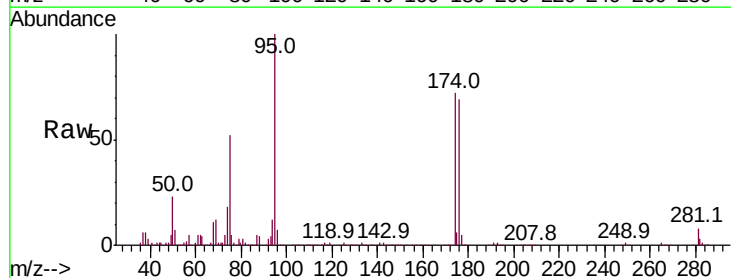
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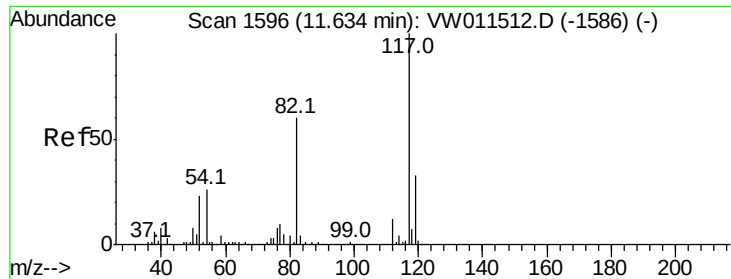
Tot Ion: 98 Resp: 495857  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 47.894 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW011525.D  
Acq: 26 Jul 2019 19:15

Tgt Ion: 95 Resp: 159459  
Ion Ratio Lower Upper  
95 100  
174 74.8 0.0 150.2  
176 72.5 0.0 144.4

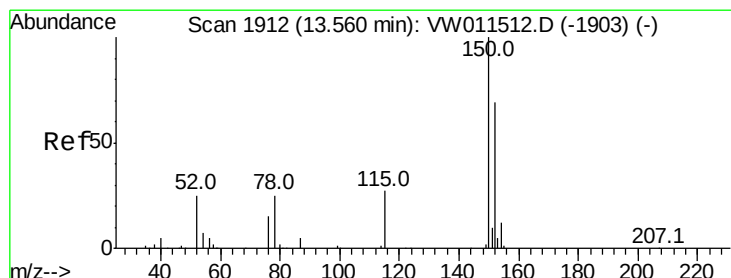
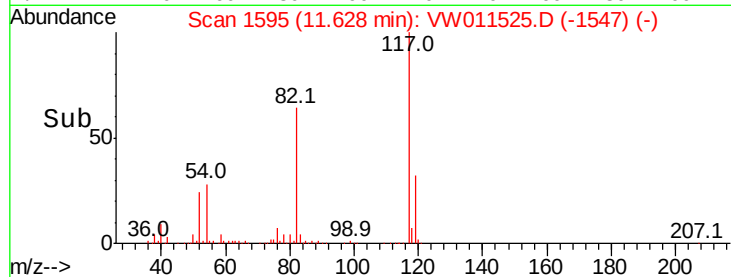
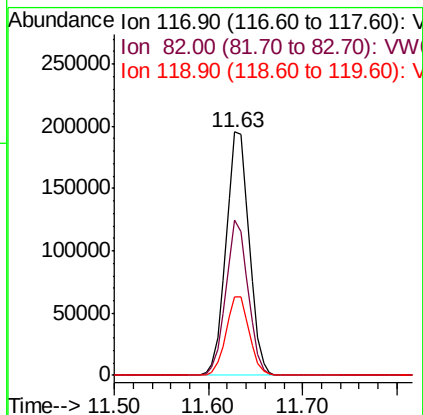
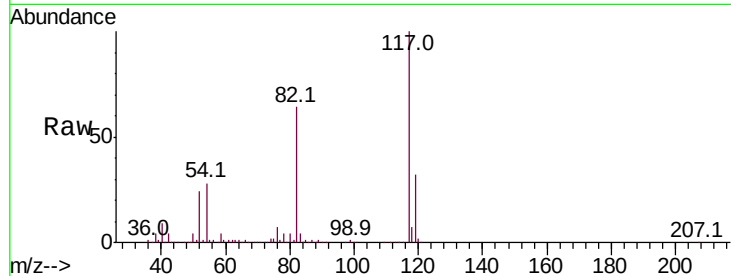




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW011525.D  
Acq: 26 Jul 2019 19:15

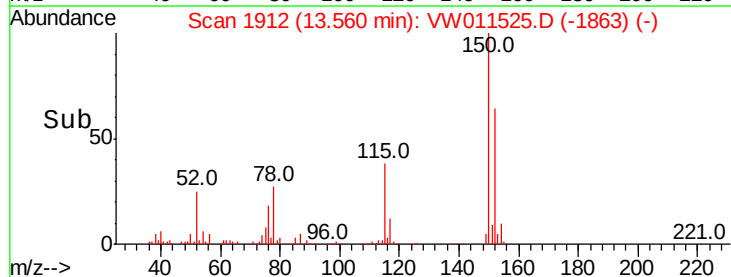
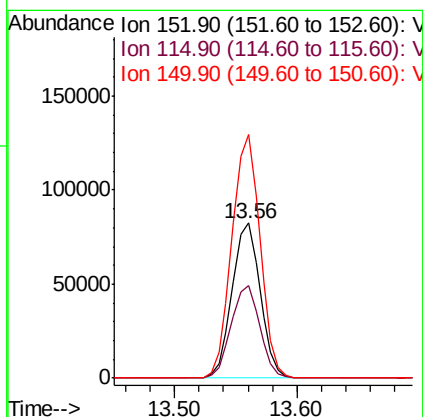
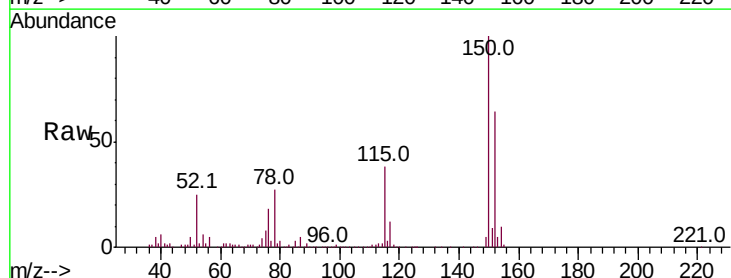
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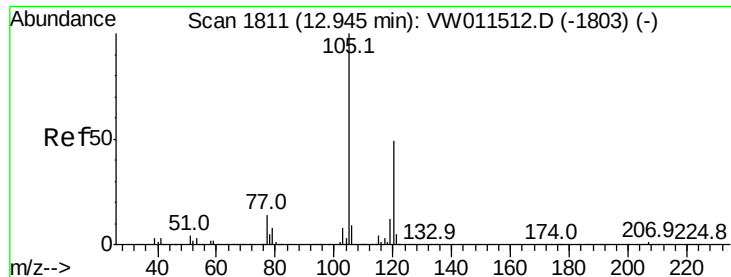
Tot Ion:117 Resp: 332243  
Ion Ratio Lower Upper  
117 100  
82 63.6 47.9 71.9  
119 32.0 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW011525.D  
Acq: 26 Jul 2019 19:15

Tgt Ion:152 Resp: 130754  
Ion Ratio Lower Upper  
152 100  
115 60.8 30.5 91.5  
150 157.5 0.0 352.6





#80

1,3,5-Trimethylbenzene

Concen: 2.990 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA\_W

ClientSampleId :

CL-02-072519-C

Tot Ion:105 Resp: 24446

Ion Ratio Lower Upper

105 100

120 44.0 24.1 72.3

