

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW010620\  
 Data File : VW014529.D  
 Acq On : 06 Jan 2020 17:40  
 Operator : SY/VA  
 Sample : K6471-05RE  
 Misc : 6.27G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MC-123019-0-1-GRAB-B8RE

Quant Time: Jan 07 03:52:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 03 16:07:20 2020  
 Response via : Initial Calibration

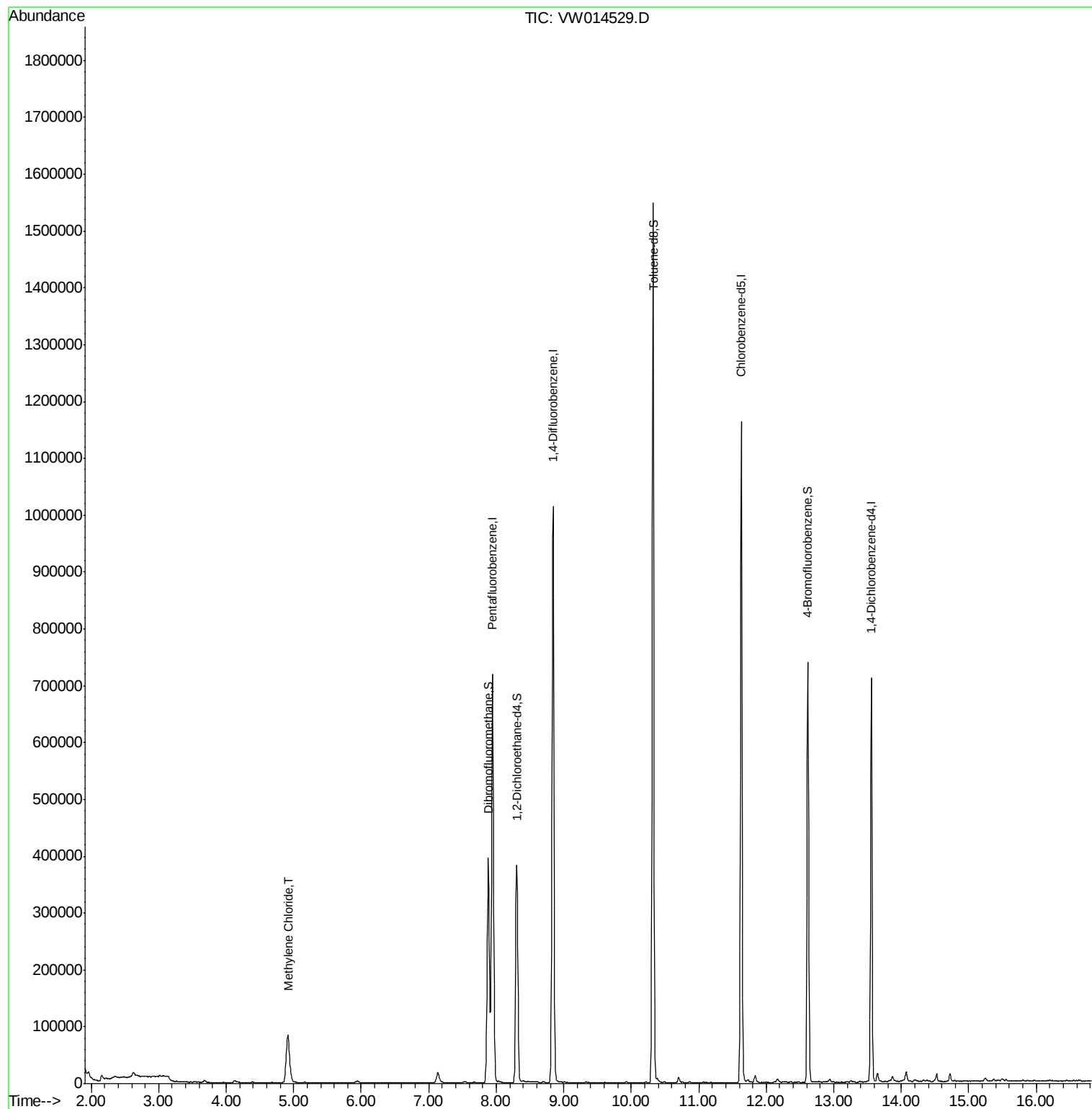
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 553795   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 865659   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 664367   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.55 | 152  | 194810   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 307550   | 63.52 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 127.04% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 290766   | 58.77 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.54% |           |
| 50) Toluene-d8              | 10.32 | 98   | 1017954  | 49.30 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.60%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 243826   | 34.82 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 69.64%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.91  | 84   | 73006    | 9.547 | ug/l    | Qvalue 95 |

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

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QLast Update : Fri Jan 03 16:07:20 2020  
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: VW014529.D

Acq: 06 Jan 2020 17:40

Instrument :

MSVOA\_W

ClientSampleId :

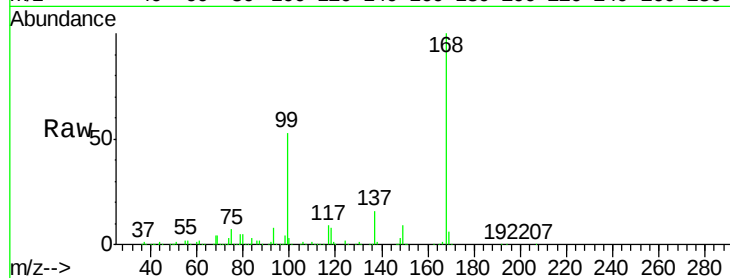
MC-123019-0-1-GRAB-B8RE

Tgt Ion:168 Resp: 553795

Ion Ratio Lower Upper

168 100

99 53.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

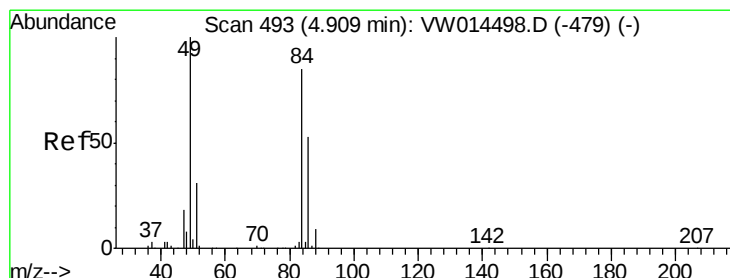
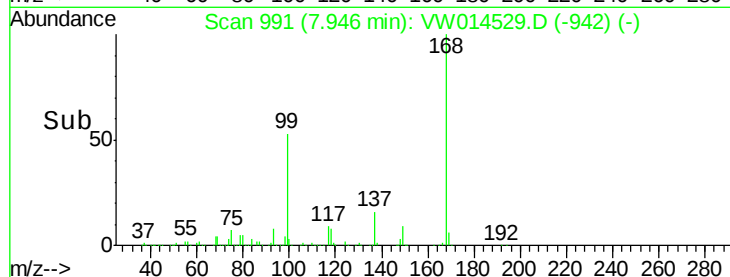
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 9.547 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014529.D

Acq: 06 Jan 2020 17:40

Tgt Ion: 84 Resp: 73006

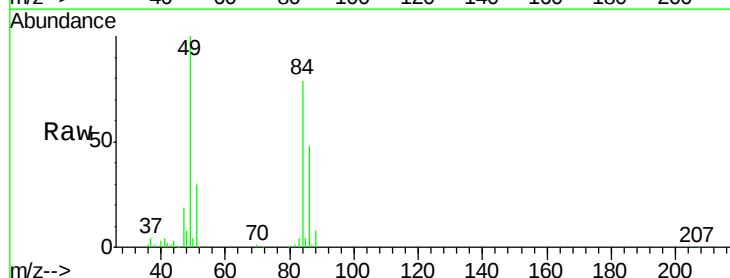
Ion Ratio Lower Upper

84 100

49 125.8 94.4 141.6

51 37.4 29.5 44.3

86 60.5 50.2 75.2



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

40000

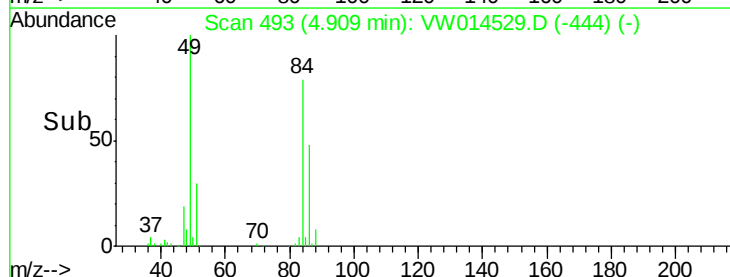
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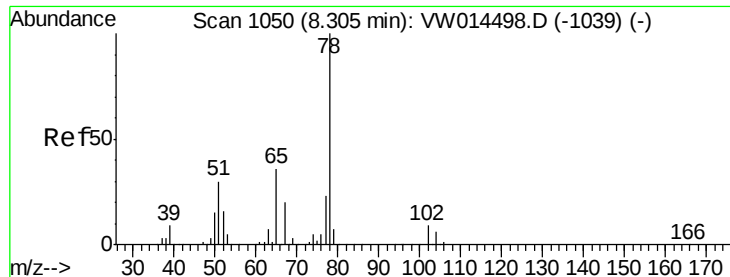
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Time-->

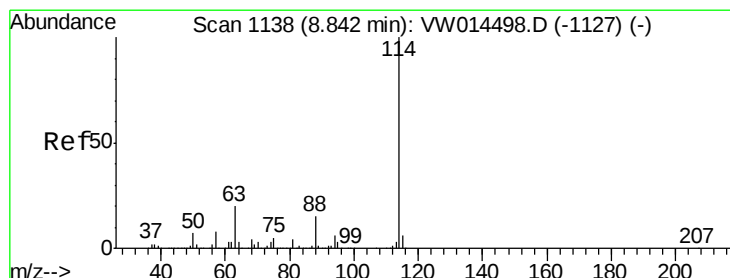
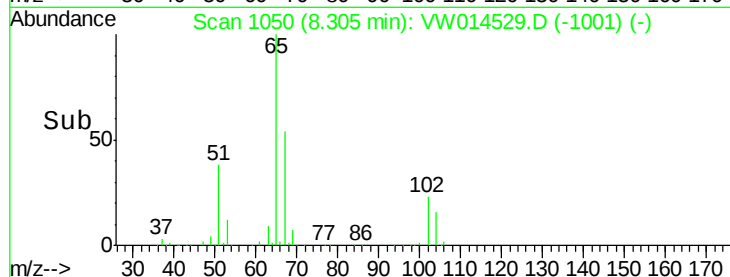
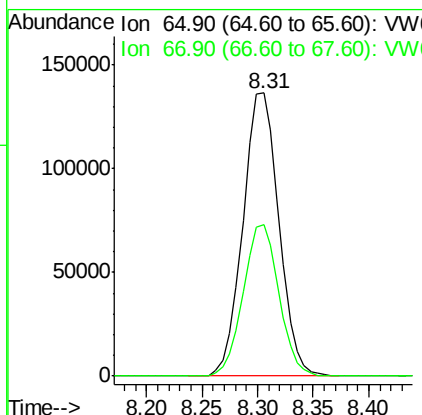
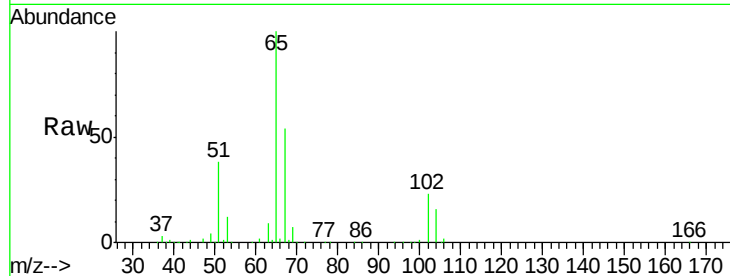




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.518 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW014529.D  
 Acq: 06 Jan 2020 17:40

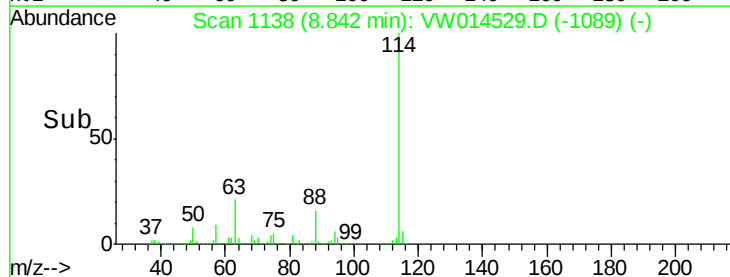
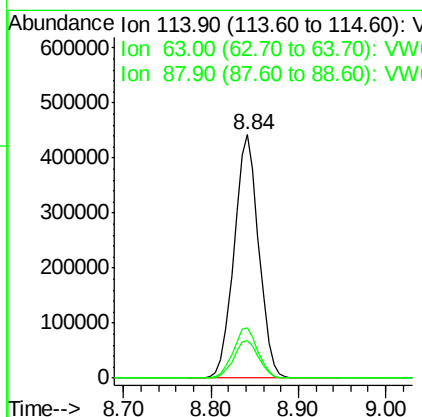
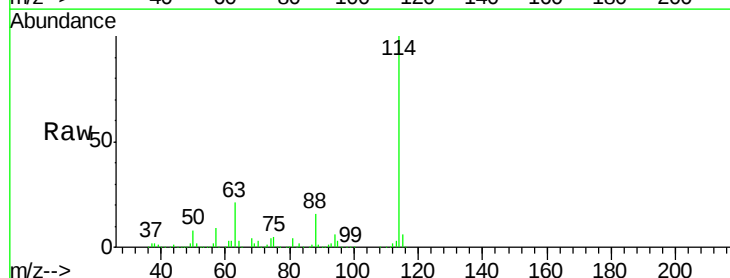
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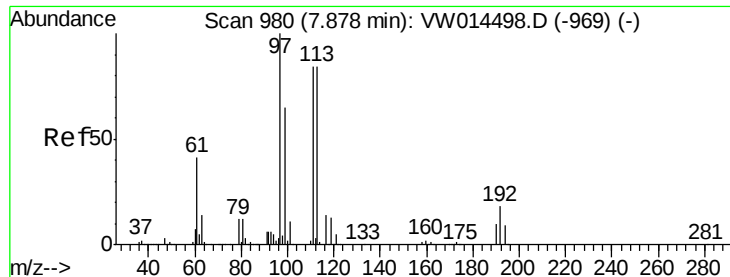
Tgt Ion: 65 Resp: 307550  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW014529.D  
 Acq: 06 Jan 2020 17:40

Tgt Ion: 114 Resp: 865659  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 40.4  
 88 15.7 0.0 30.6

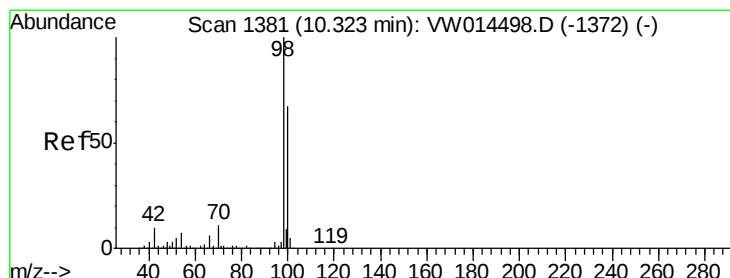
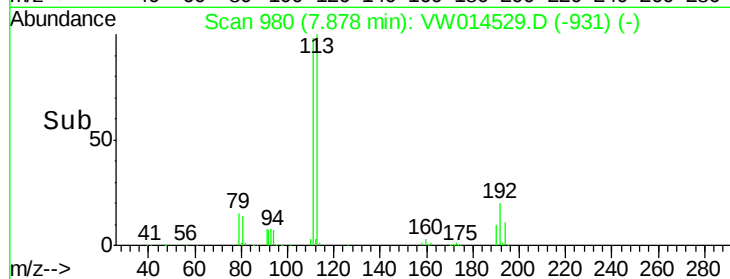
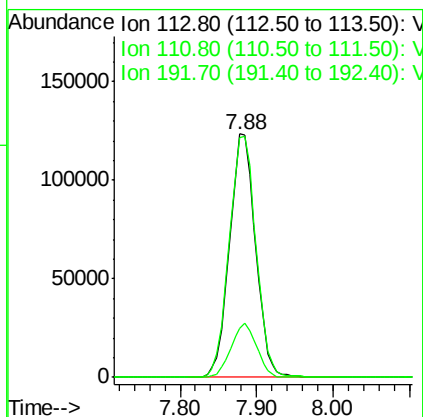
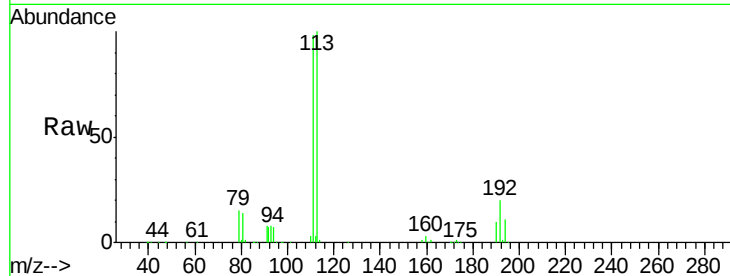




#35  
 Dibromofluoromethane  
 Concen: 58.772 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: VW014529.D  
 Acq: 06 Jan 2020 17:40

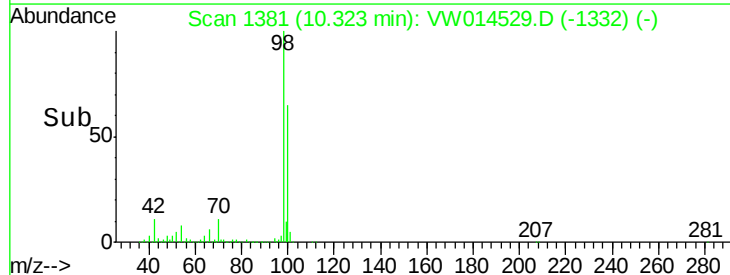
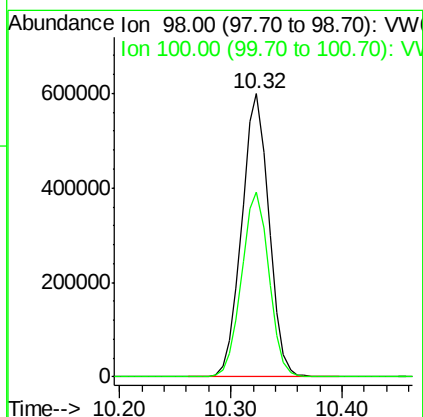
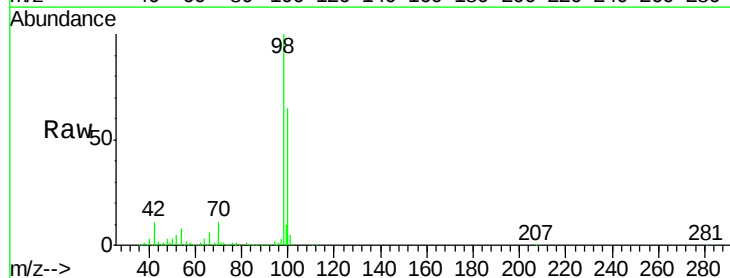
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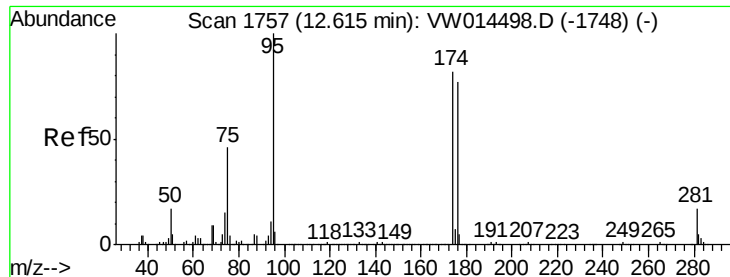
Tgt Ion: 113 Resp: 290766  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.4 122.2  
 192 21.9 17.8 26.8



#50  
 Toluene-d8  
 Concen: 49.303 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW014529.D  
 Acq: 06 Jan 2020 17:40

Tgt Ion: 98 Resp: 1017954  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 53.8 80.6

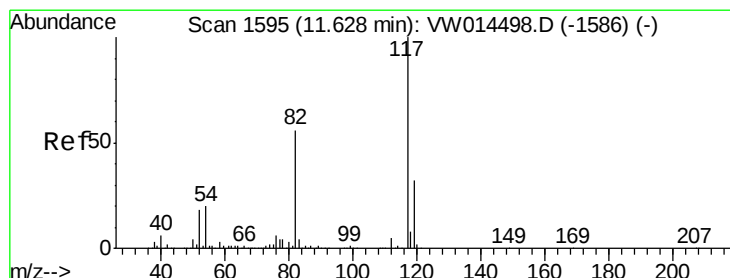
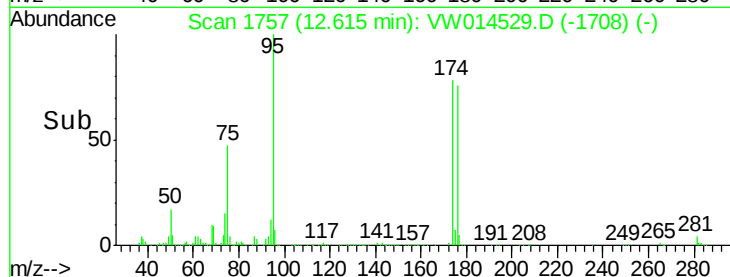
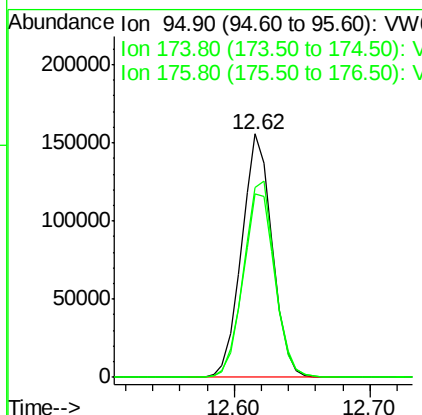
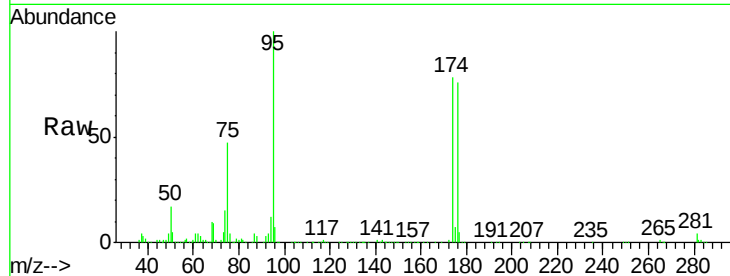




#62  
4-Bromofluorobenzene  
Concen: 34.817 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: VW014529.D  
Acq: 06 Jan 2020 17:40

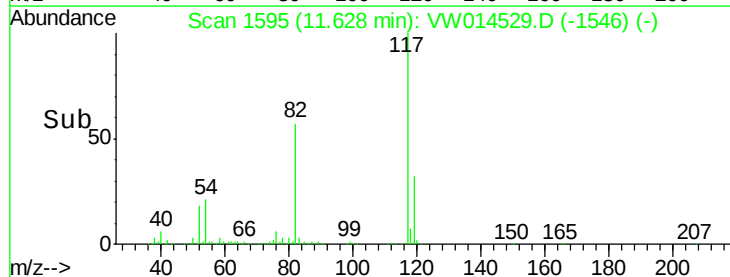
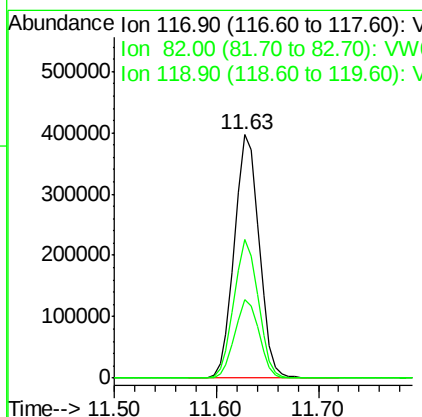
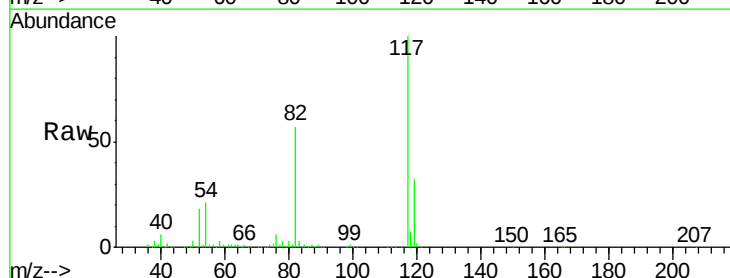
Instrument :  
MSVOA\_W  
ClientSampleId :  
MC-123019-0-1-GRAB-B8RE

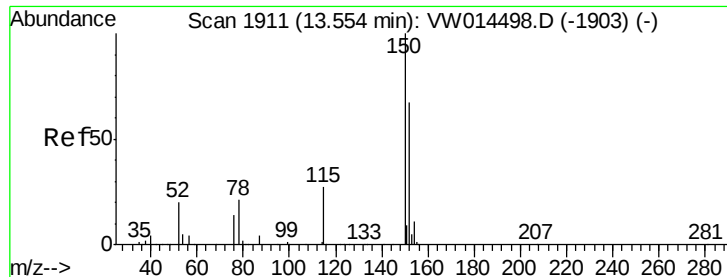
Tgt Ion: 95 Resp: 243826  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 168.6  
176 79.1 0.0 162.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. 0.00 min  
Lab File: VW014529.D  
Acq: 06 Jan 2020 17:40

Tgt Ion: 117 Resp: 664367  
Ion Ratio Lower Upper  
117 100  
82 57.0 44.6 67.0  
119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014529.D

Acq: 06 Jan 2020 17:40

Instrument :

MSVOA\_W

ClientSampleId :

MC-123019-0-1-GRAB-B8RE

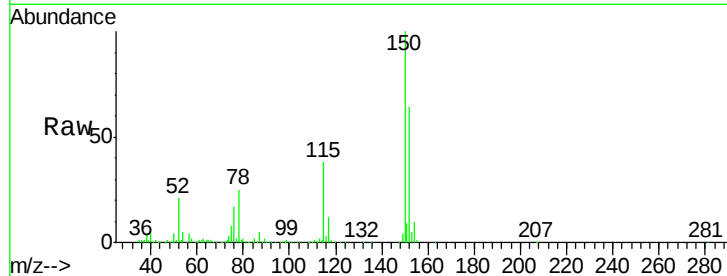
Tgt Ion:152 Resp: 194810

Ion Ratio Lower Upper

152 100

115 56.5 27.7 83.1

150 156.1 0.0 343.4



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

