

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\  
 Data File : VW002574.D  
 Acq On : 16 May 2018 03:03  
 Operator : JC/SY  
 Sample : J2898-03  
 Misc : 4.14G/10ML/MSVOA W/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-03

Quant Time: May 16 07:49:01 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\82W051518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 15 03:32:11 2018  
 Response via : Initial Calibration

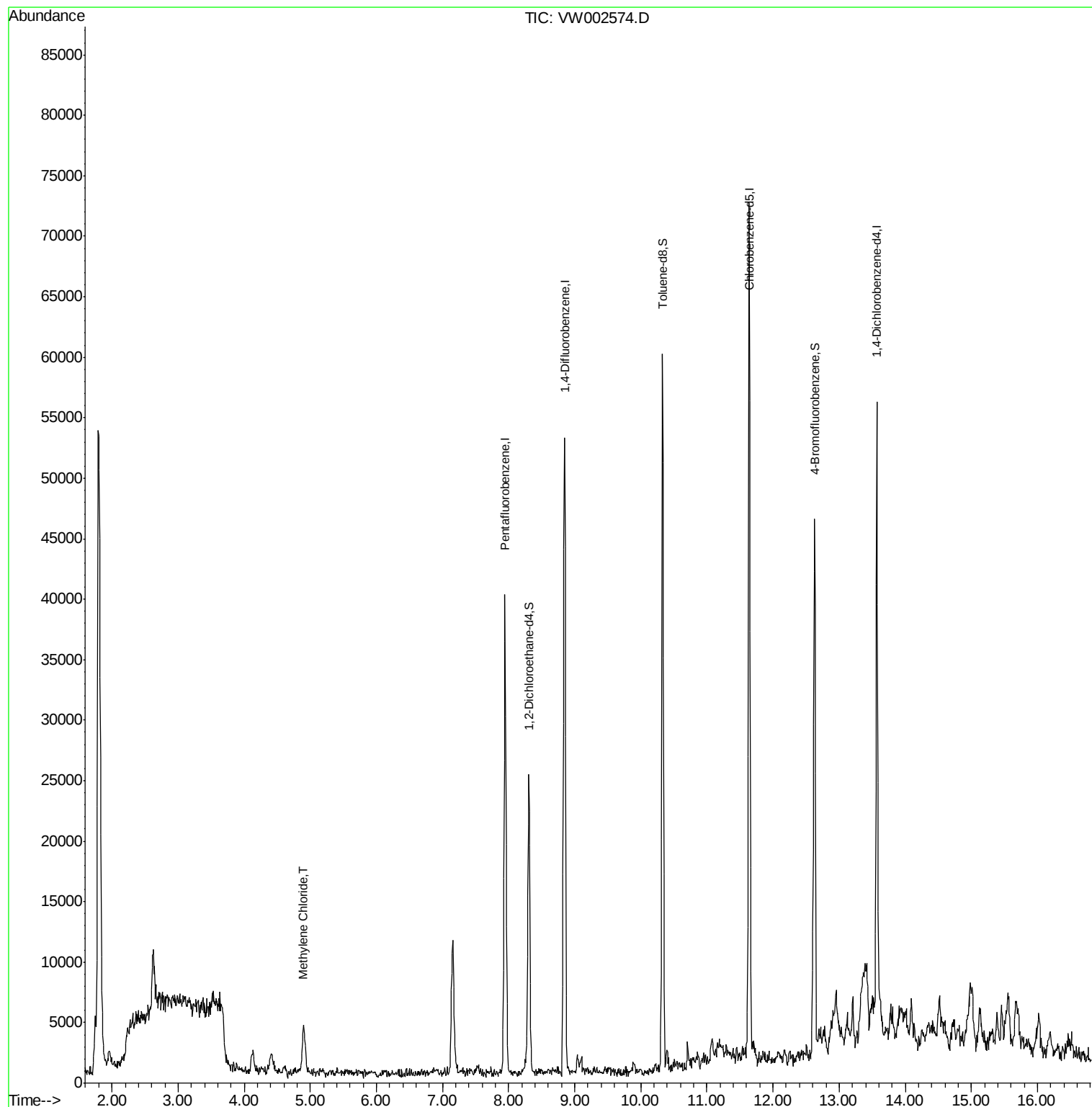
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 29689    | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85   | 114  | 44354    | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.64  | 117  | 37616    | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57  | 152  | 13456    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 18152    | 59.17 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 118.34% |           |
| 35) Dibromofluoromethane    | 7.95   | 113  | 25       | 0.09  | ug/l    | 0.07      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 0.18%   |           |
| 50) Toluene-d8              | 10.33  | 98   | 38570    | 36.03 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 72.06%  |           |
| 62) 4-Bromofluorobenzene    | 12.63  | 95   | 12511    | 31.96 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 63.92%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 20) Methylene Chloride      | 4.90   | 84   | 2700     | 8.18  | ug/l    | Qvalue 93 |

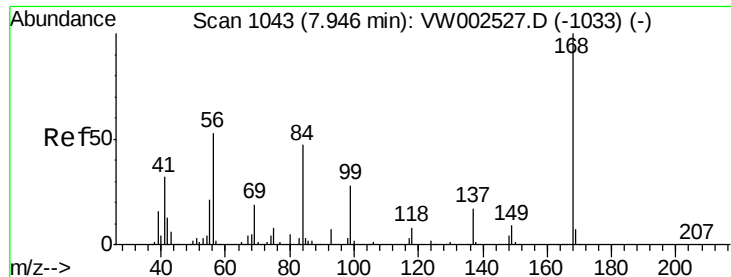
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002574.D

Acq: 16 May 2018 03:03

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MSVOA\_W

ClientSampleId :

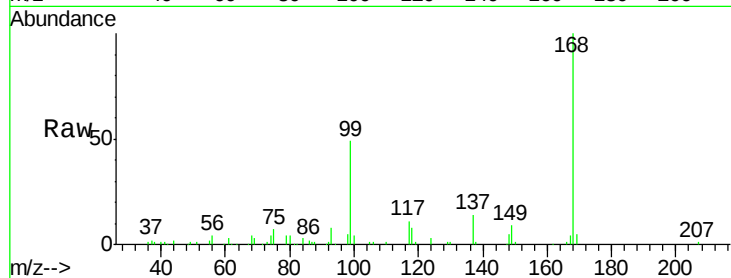
SP-03

Tot Ion:168 Resp: 29689

Ion Ratio Lower Upper

168 100

99 49.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

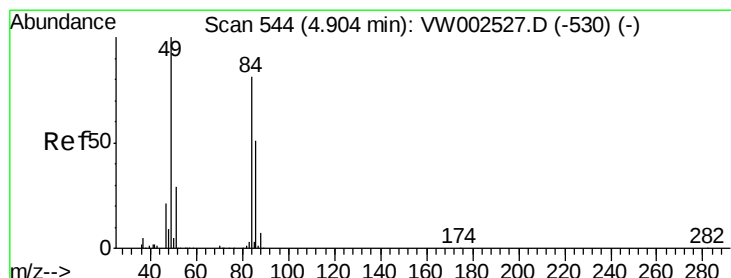
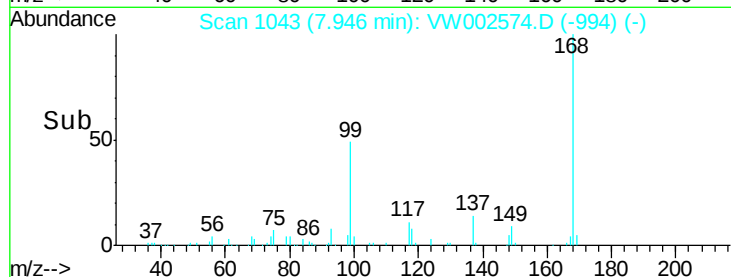
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#20

Methylene Chloride

Concen: 8.18 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW002574.D

Acq: 16 May 2018 03:03

Tgt Ion: 84 Resp: 2700

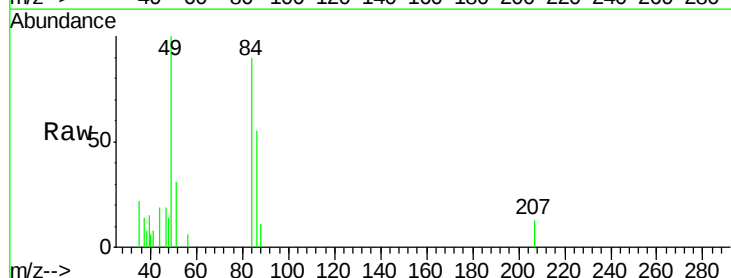
Ion Ratio Lower Upper

84 100

49 111.6 99.4 149.0

51 34.3 29.0 43.6

86 61.0 50.3 75.5



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

4.90

1500

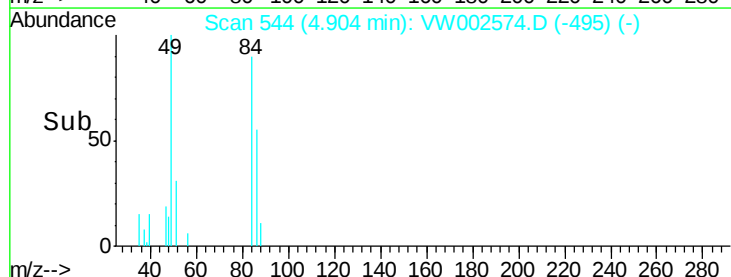
1000

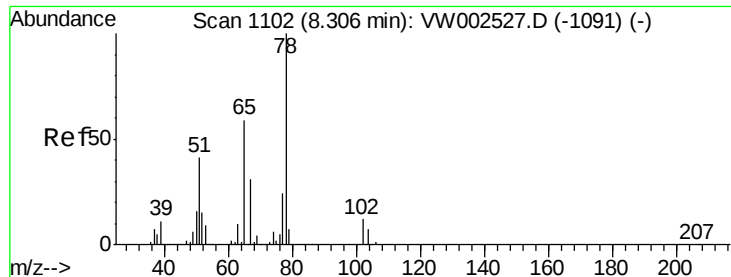
500

0

4.80 4.85 4.90 4.95 5.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 59.17 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002574.D

Acq: 16 May 2018 03:03

Instrument :

MSVOA\_W

ClientSampleId :

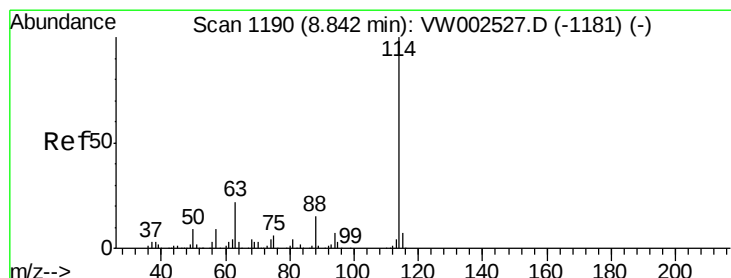
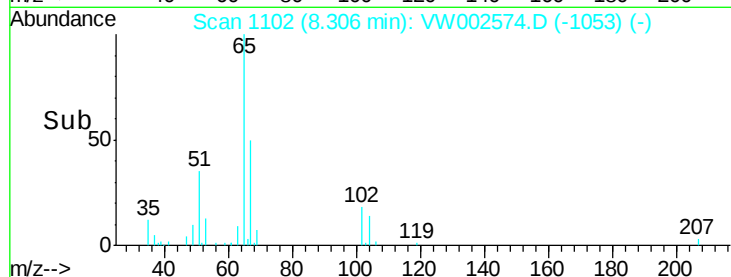
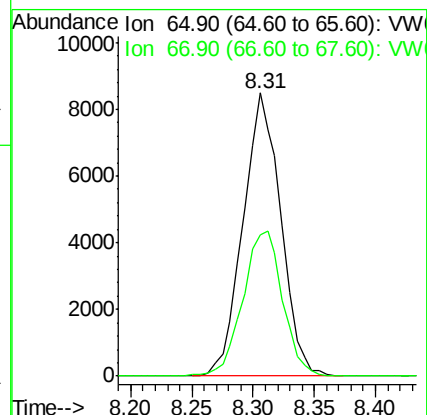
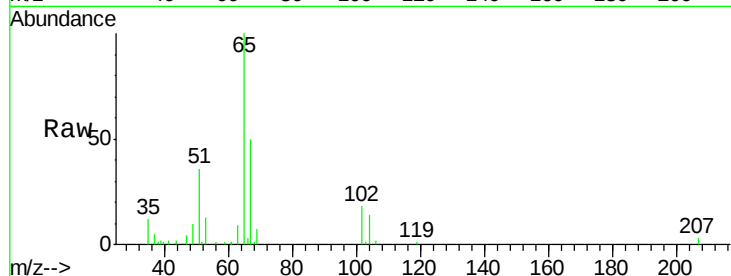
SP-03

Tot Ion: 65 Resp: 18152

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002574.D

Acq: 16 May 2018 03:03

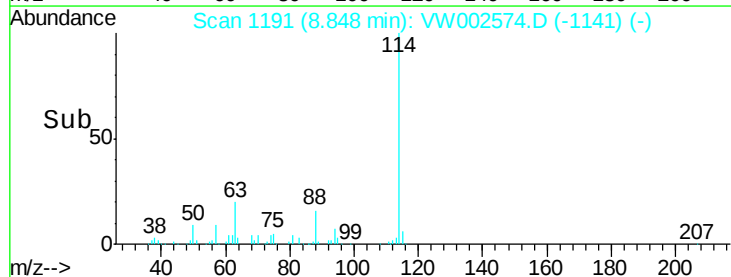
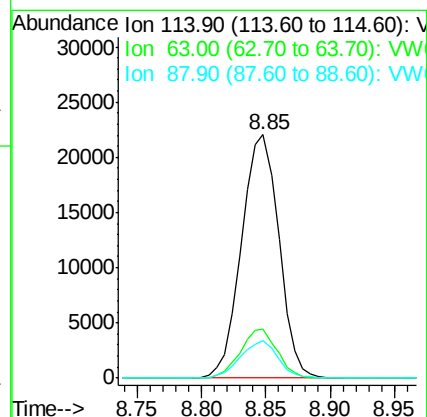
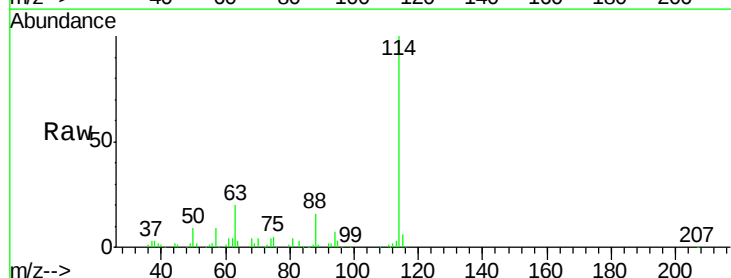
Tgt Ion: 114 Resp: 44354

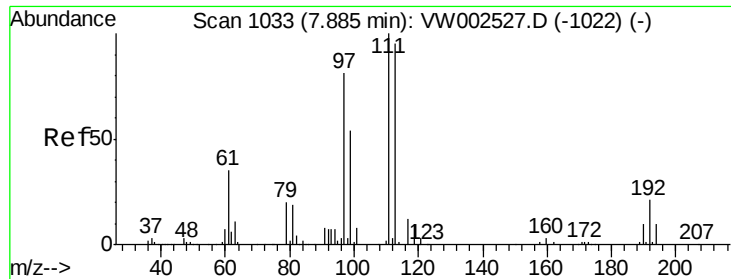
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.6 0.0 29.2

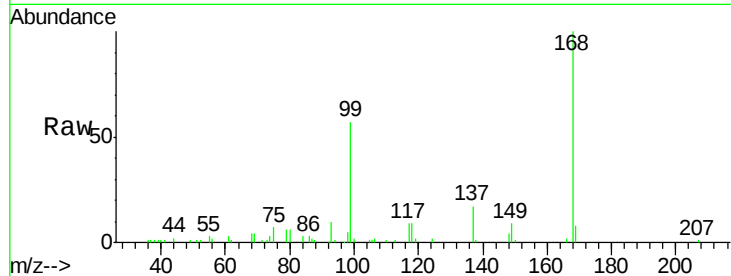




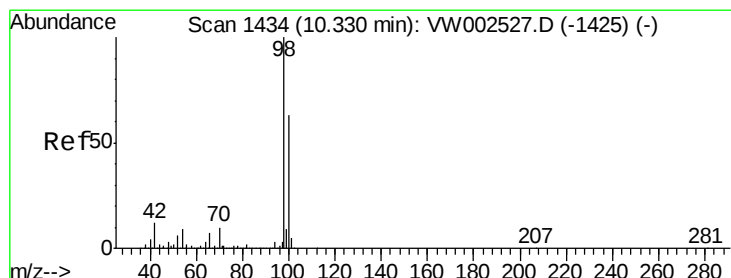
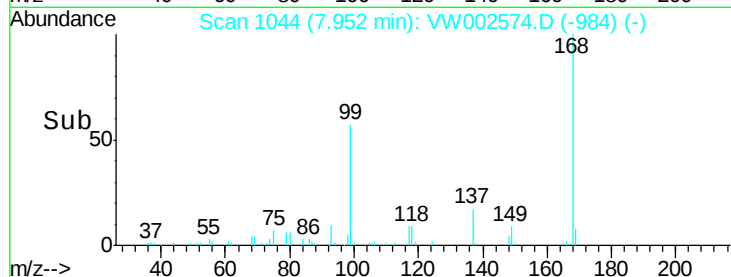
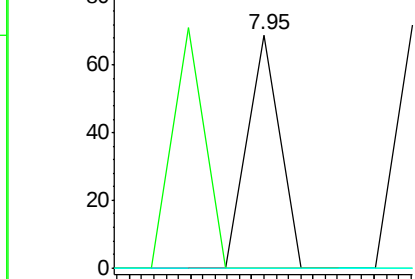
#35  
 Dibromofluoromethane  
 Concen: 0.09 ug/l  
 RT: 7.95 min Scan# 1044  
 Delta R.T. 0.07 min  
 Lab File: VW002574.D  
 Acq: 16 May 2018 03:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SP-03

Tot Ion:113 Resp: 25  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 81.8 122.8  
 192 0.0 17.5 26.3#

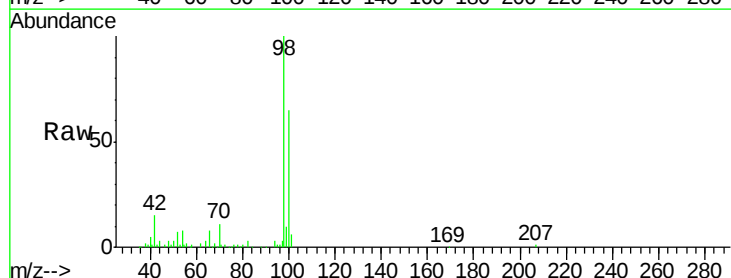


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

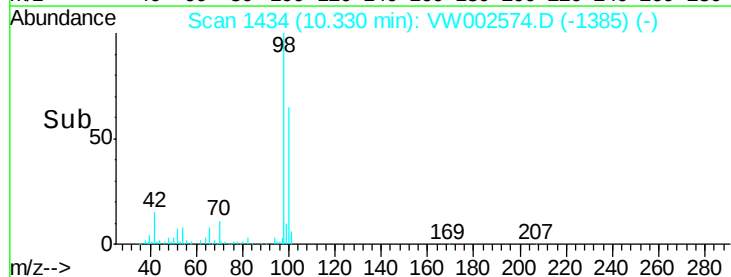
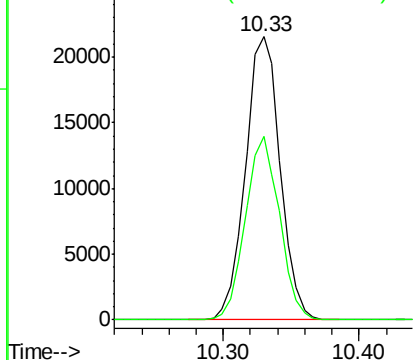


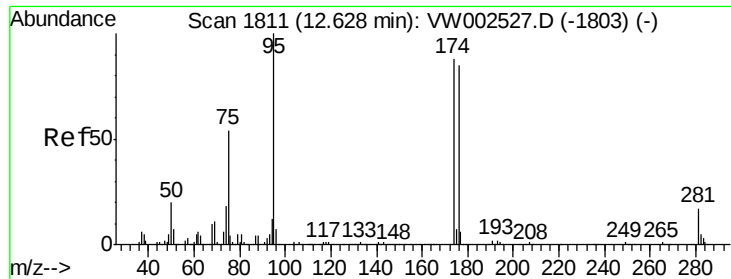
#50  
 Toluene-d8  
 Concen: 36.03 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW002574.D  
 Acq: 16 May 2018 03:03

Tgt Ion: 98 Resp: 38570  
 Ion Ratio Lower Upper  
 98 100  
 100 63.7 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW

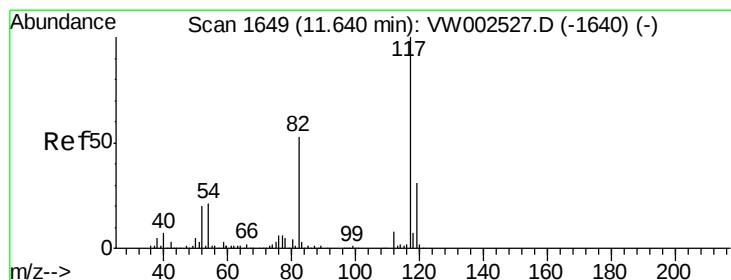
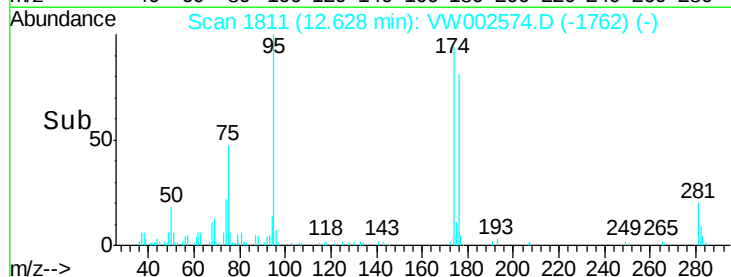
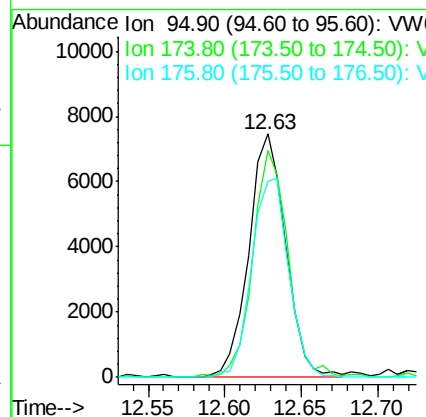
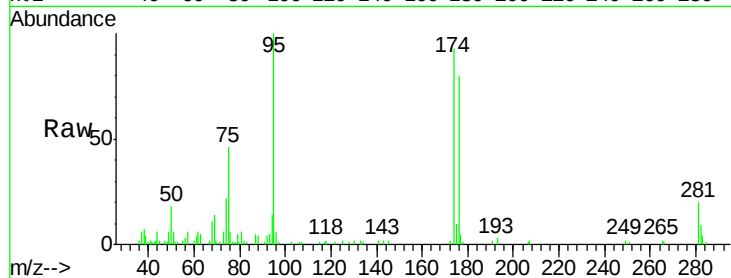




#62  
4-Bromofluorobenzene  
Concen: 31.96 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. -0.00 min  
Lab File: VW002574.D  
Acq: 16 May 2018 03:03

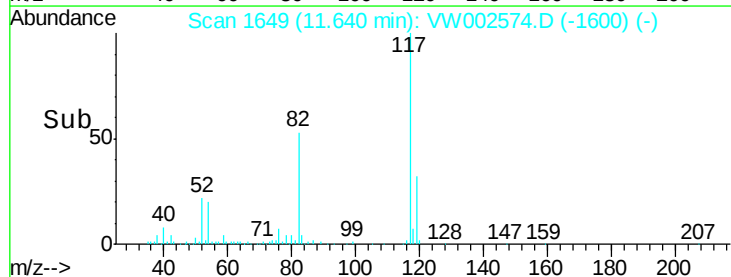
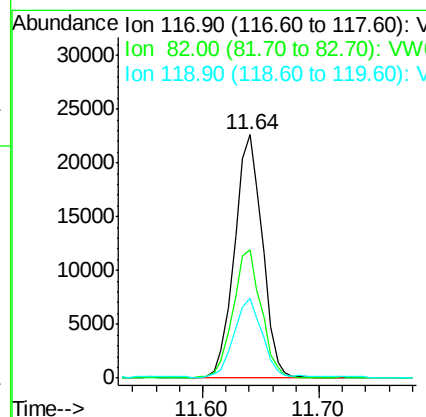
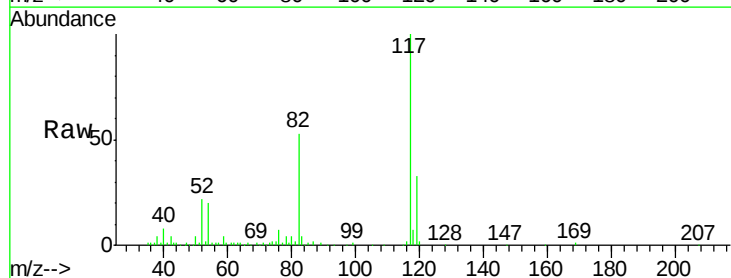
Instrument :  
MSVOA\_W  
ClientSampleId :  
SP-03

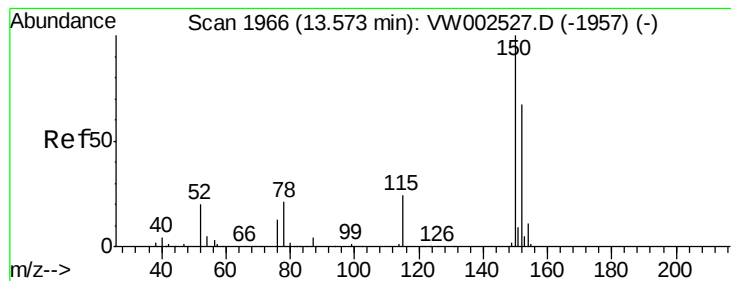
Tot Ion: 95 Resp: 12511  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 176.6  
176 82.6 0.0 172.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VW002574.D  
Acq: 16 May 2018 03:03

Tgt Ion: 117 Resp: 37616  
Ion Ratio Lower Upper  
117 100  
82 52.6 42.6 64.0  
119 32.8 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002574.D

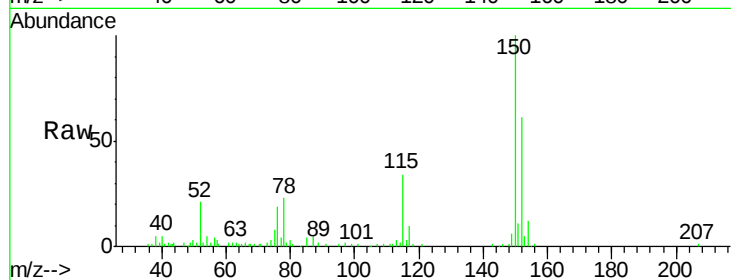
Acq: 16 May 2018 03:03

Instrument :

MSVOA\_W

ClientSampleId :

SP-03



Tot Ion:152 Resp: 13456

Ion Ratio Lower Upper

152 100

115 62.7 28.0 84.0

150 160.4 0.0 345.4

