

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\  
 Data File : VN059200.D  
 Acq On : 12 Nov 2019 18:48  
 Operator : JC/SP  
 Sample : K5799-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-314-SRI4

Quant Time: Nov 13 07:28:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

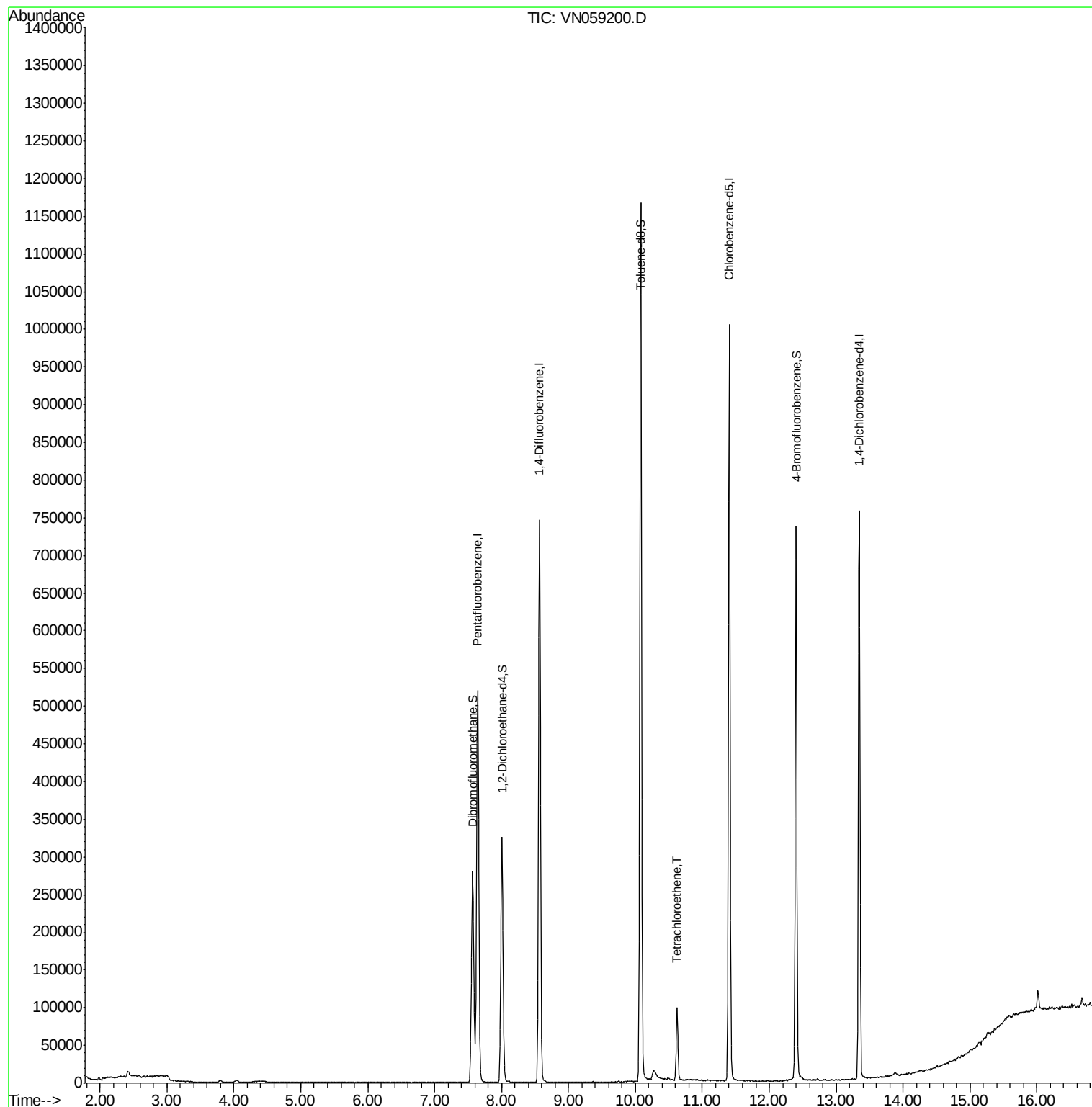
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 422263   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 667418   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 583947   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 209058   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 281145   | 54.16 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.32% |           |
| 35) Dibromofluoromethane    | 7.57  | 113  | 214510   | 53.83 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.66% |           |
| 50) Toluene-d8              | 10.08 | 98   | 828385   | 52.77 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.54% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 255911   | 45.22 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.44%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 64) Tetrachloroethene       | 10.62 | 164  | 23762    | 5.984 | ug/l    | Qvalue 92 |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111219\  
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Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

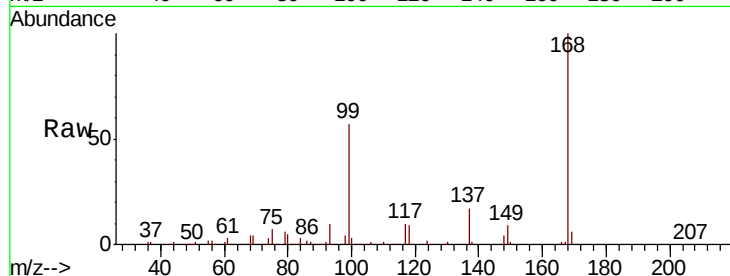
MW-314-SRI4

Tot Ion:168 Resp: 422263

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059200.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059200.D (-1733) (-)

7.64

200000

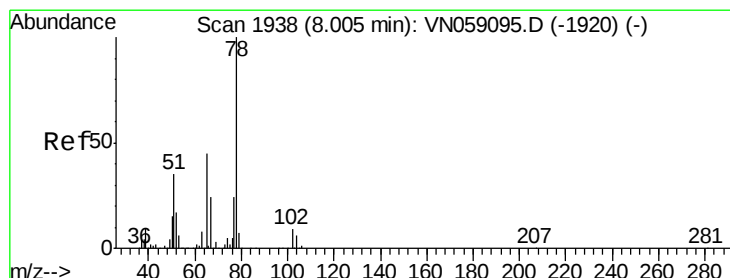
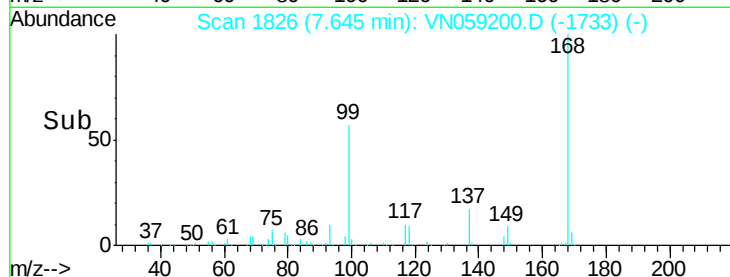
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 54.163 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059200.D

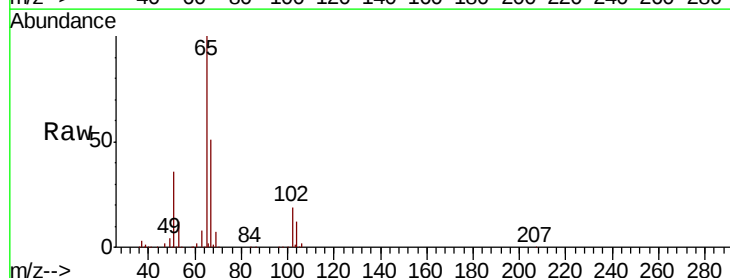
Acq: 12 Nov 2019 18:48

Tgt Ion: 65 Resp: 281145

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059200.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059200.D (-1845) (-)

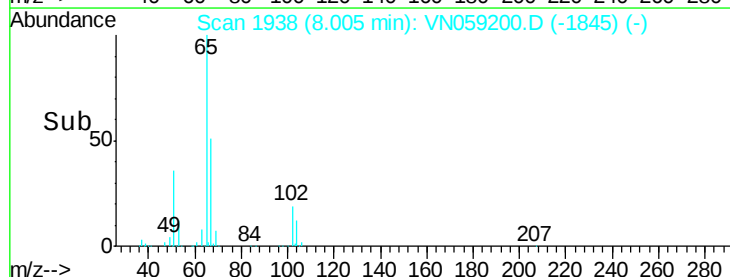
8.00

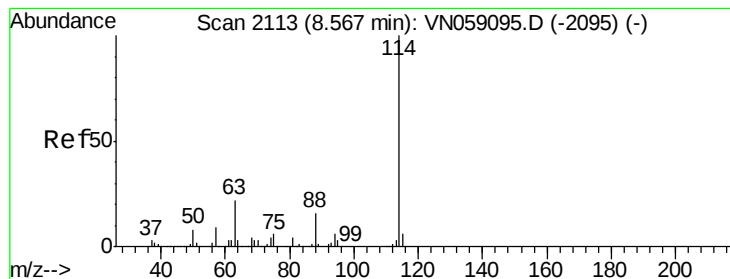
100000

50000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

MW-314-SRI4

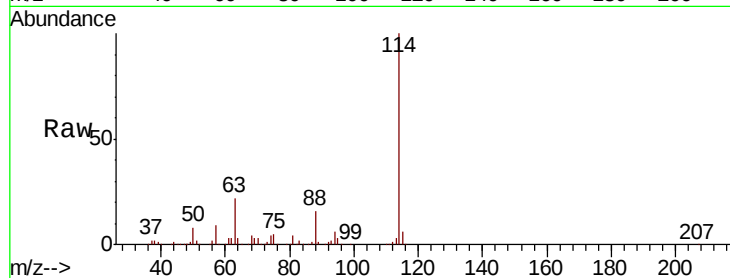
Tot Ion:114 Resp: 667418

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

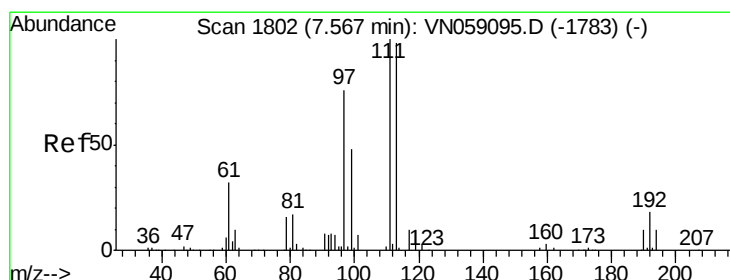
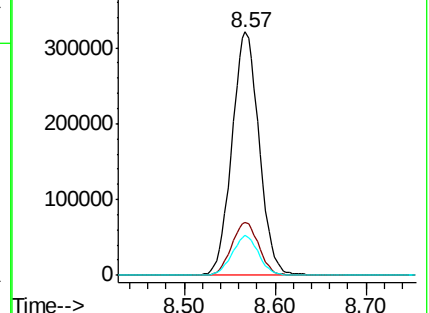
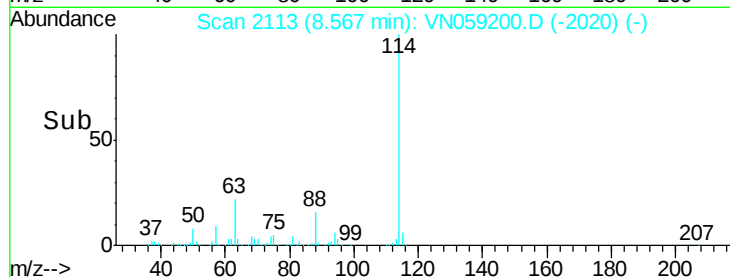
88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 53.828 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

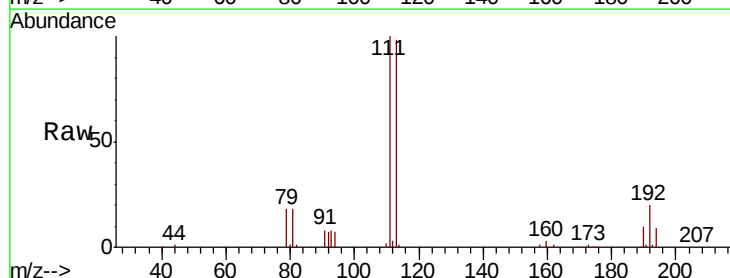
Tgt Ion:113 Resp: 214510

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

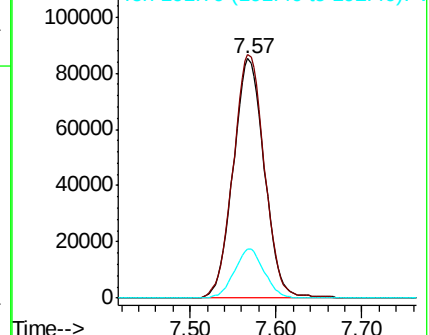
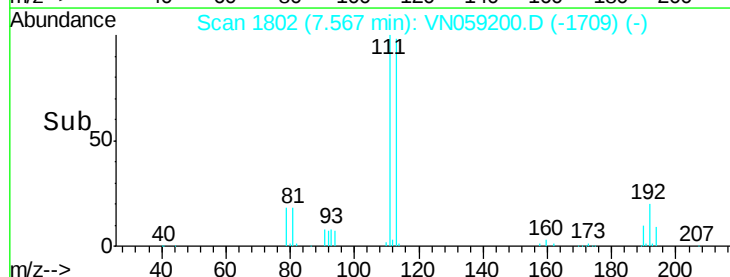
192 19.6 16.1 24.1

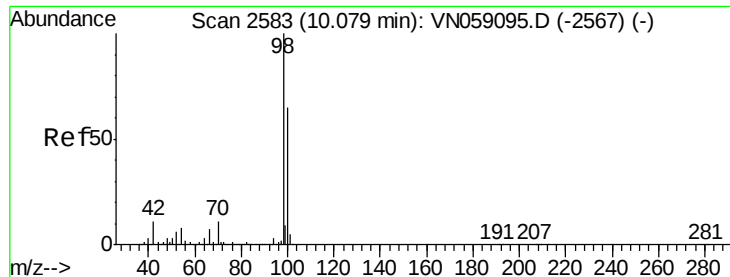


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.773 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

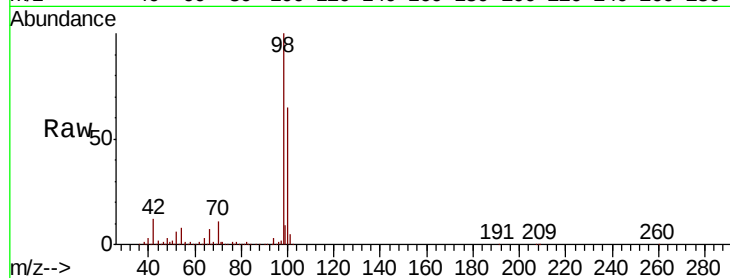
MW-314-SRI4

Tot Ion: 98 Resp: 828385

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059095.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059095.D (-2567) (-)

10.08

500000

400000

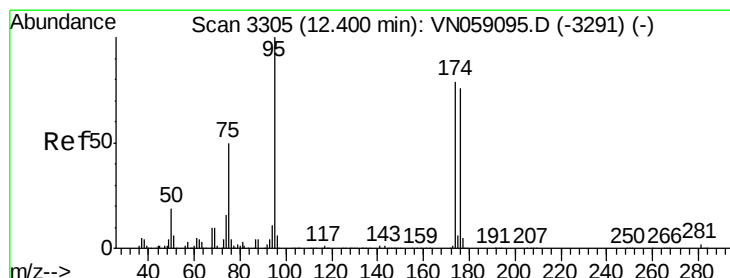
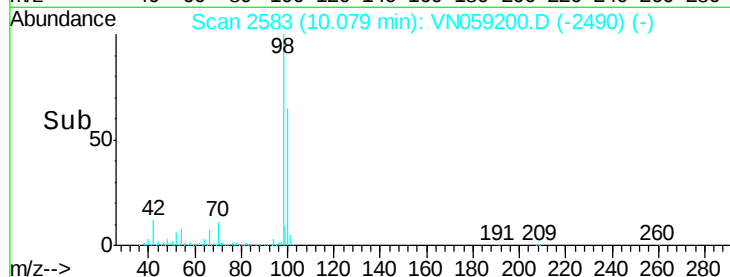
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.216 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

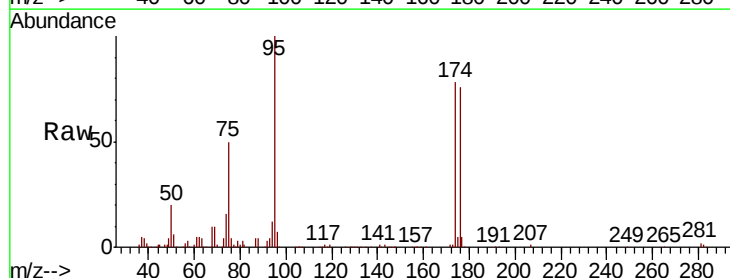
Tgt Ion: 95 Resp: 255911

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.2

176 76.1 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059095.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059095.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059095.D (-3291) (-)

200000

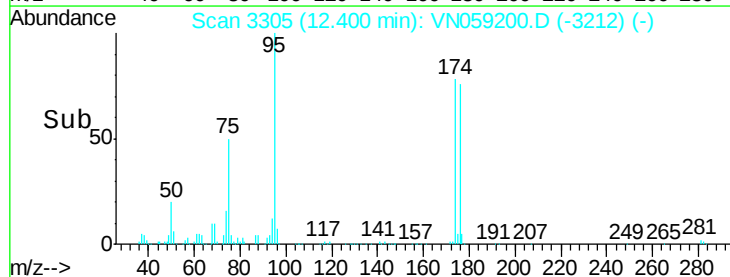
150000

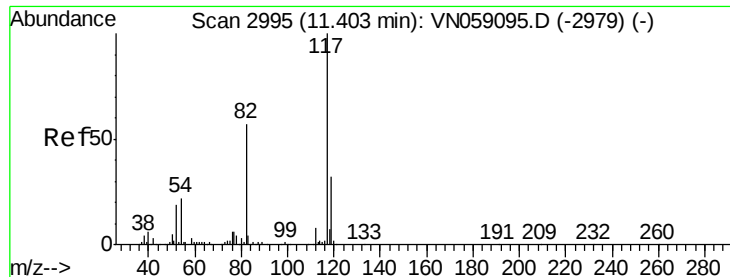
100000

50000

0

Time-->

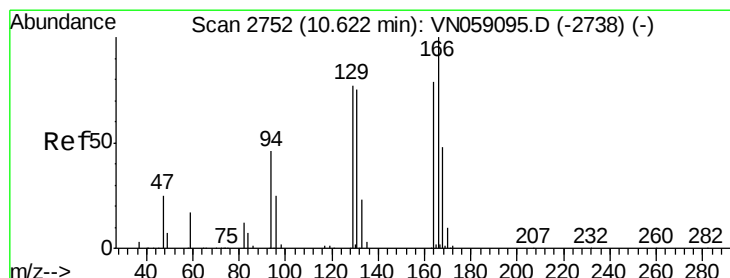
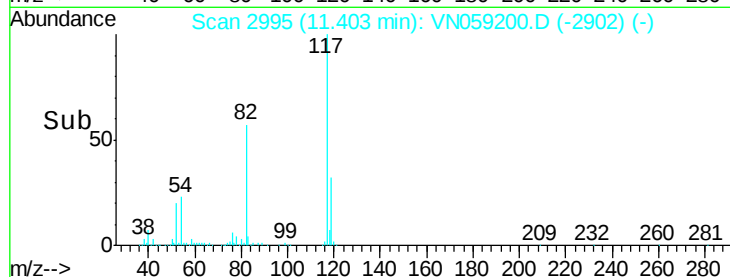
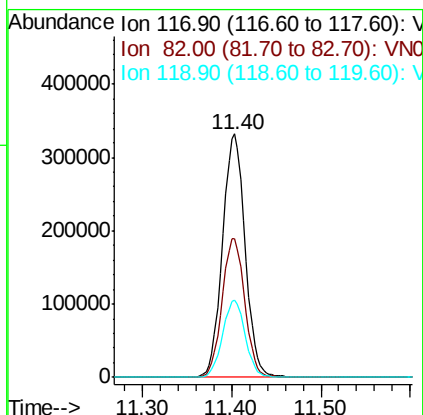
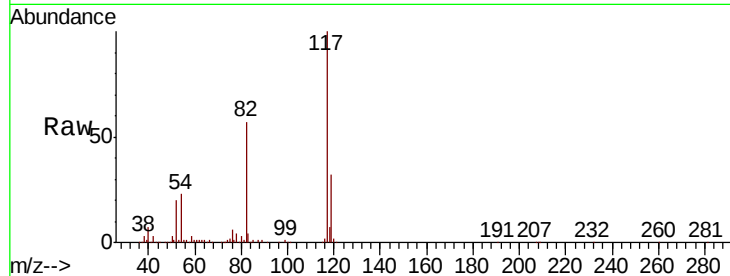




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059200.D  
Acq: 12 Nov 2019 18:48

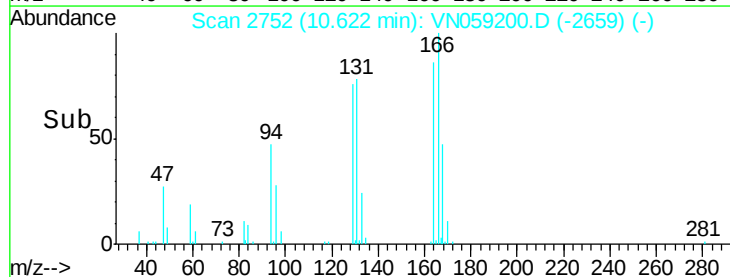
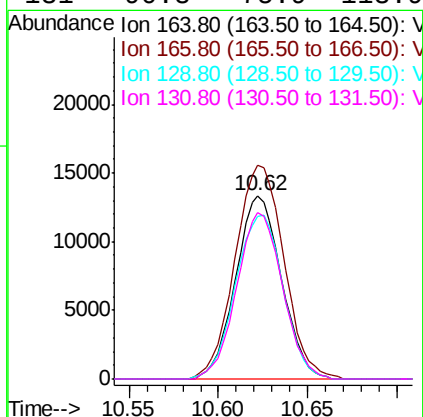
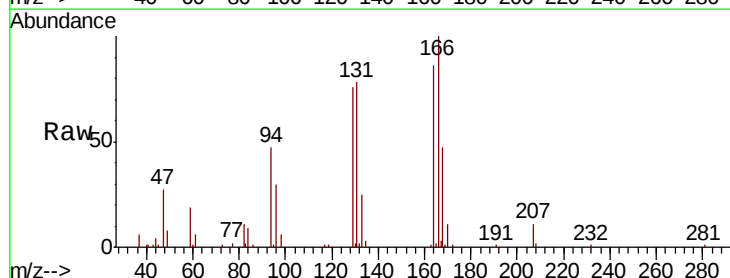
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-314-SRI4

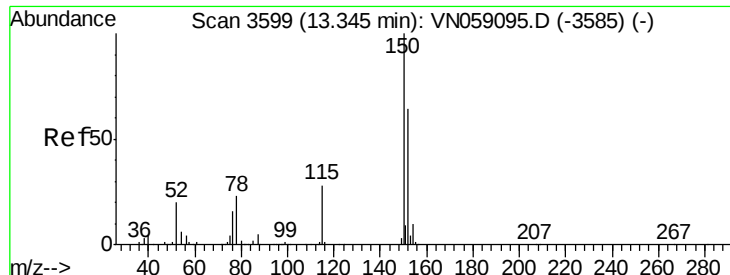
Tot Ion:117 Resp: 583947  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.8 68.8  
119 31.9 25.8 38.6



#64  
Tetrachloroethene  
Concen: 5.984 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN059200.D  
Acq: 12 Nov 2019 18:48

Tgt Ion:164 Resp: 23762  
Ion Ratio Lower Upper  
164 100  
166 116.3 101.5 152.3  
129 88.9 78.3 117.5  
131 90.8 75.9 113.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA\_N

ClientSampleId :

MW-314-SRI4

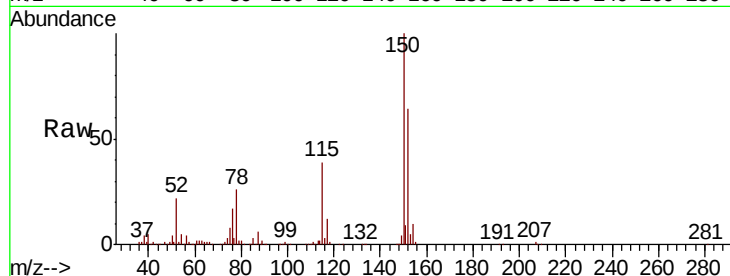
Tot Ion:152 Resp: 209058

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

150 155.0 0.0 345.8



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

