

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\  
 Data File : VN056141.D  
 Acq On : 8 Jun 2019 9:57  
 Operator : JC/SP  
 Sample : K3156-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HD-02-060519

Quant Time: Jun 10 02:16:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

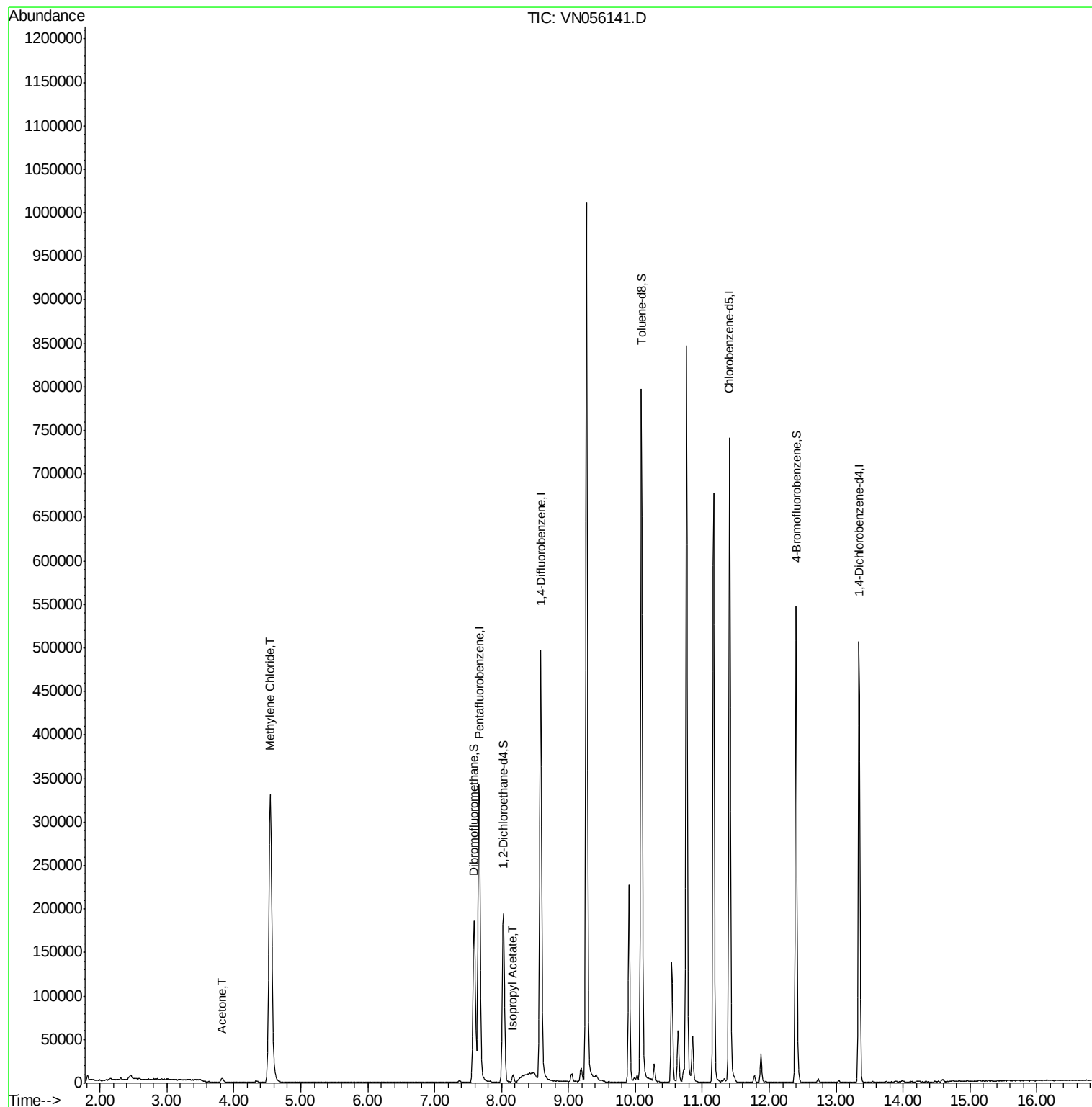
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 325710   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 502250   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 484455   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 157936   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 164488   | 50.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.72% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 143287   | 46.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.00%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 605267   | 51.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.10% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 196260   | 48.67  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.34%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 8574     | 5.543  | ug/l    | 98       |
| 20) Methylene Chloride      | 4.54  | 84   | 279000   | 87.553 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 10171    | 1.633  | ug/l #  | 88       |

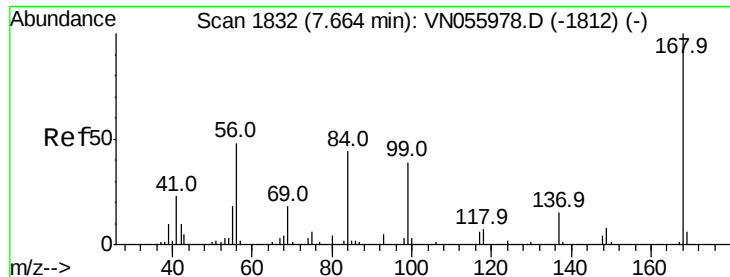
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\  
Data File : VN056141.D  
Acq On : 8 Jun 2019 9:57  
Operator : JC/SP  
Sample : K3156-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
HD-02-060519

Quant Time: Jun 10 02:16:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056141.D

Acq: 8 Jun 2019 9:57

Instrument :

MSVOA\_N

ClientSampled :

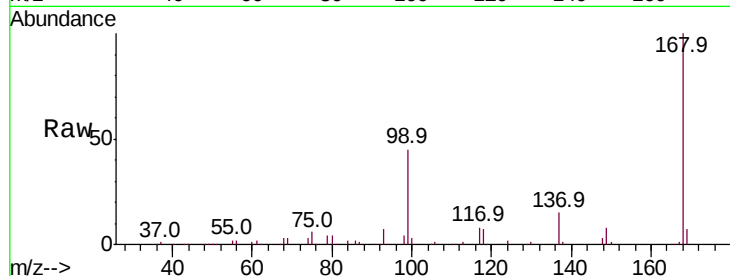
HD-02-060519

Tot Ion:168 Resp: 325710

Ion Ratio Lower Upper

168 100

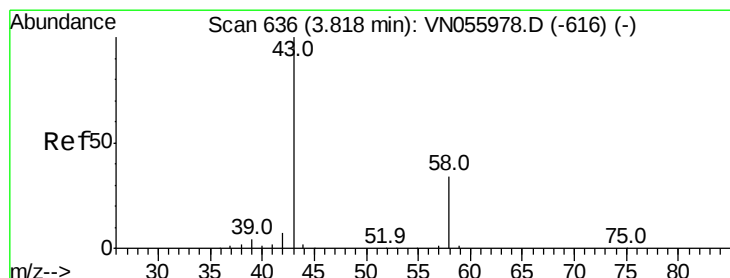
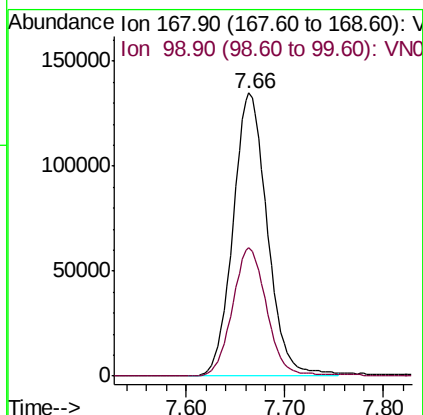
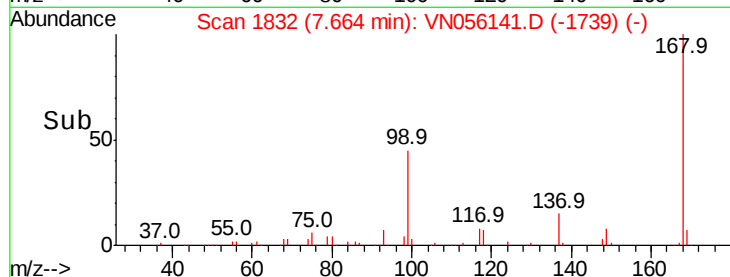
99 45.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66



#16

Acetone

Concen: 5.543 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056141.D

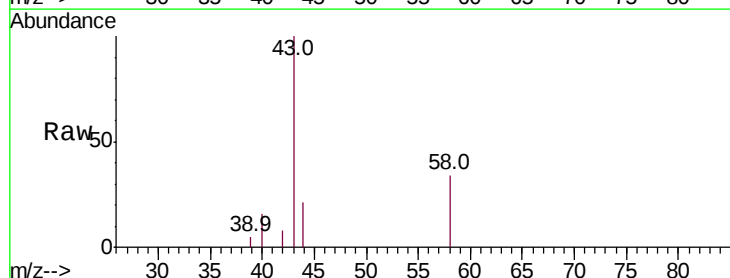
Acq: 8 Jun 2019 9:57

Tgt Ion: 43 Resp: 8574

Ion Ratio Lower Upper

43 100

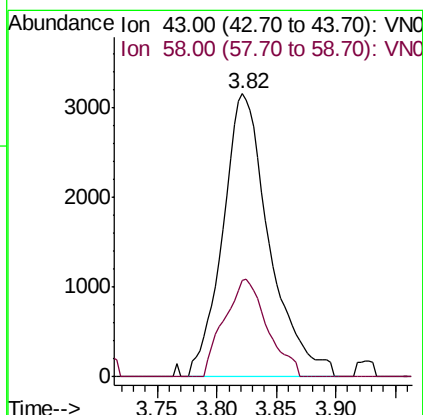
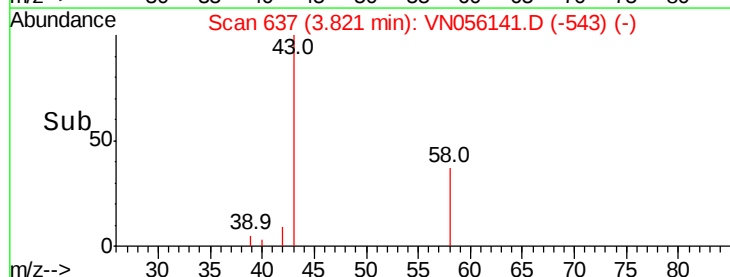
58 34.2 26.6 39.8

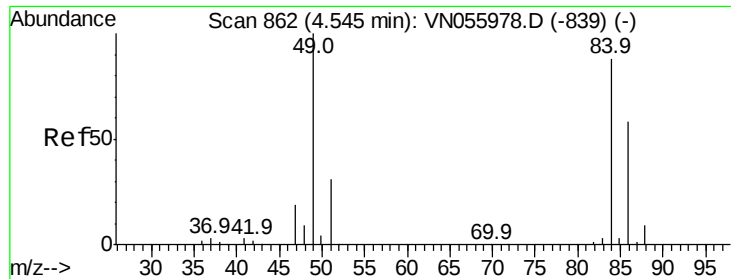


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

3.82

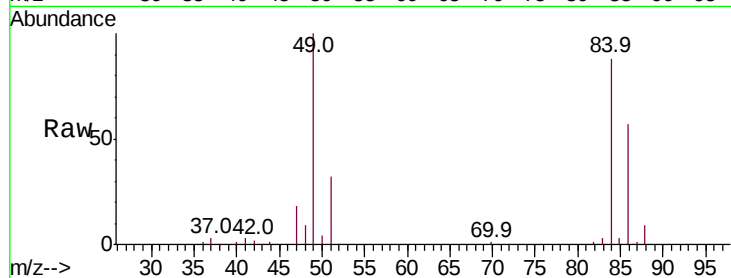




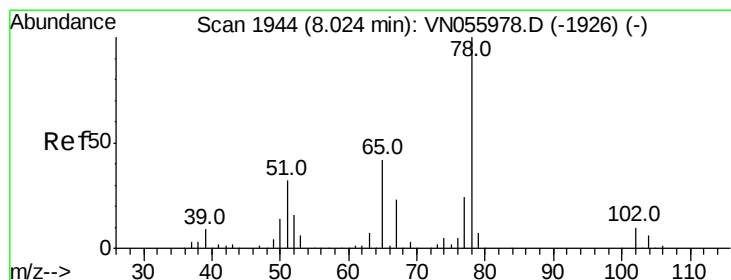
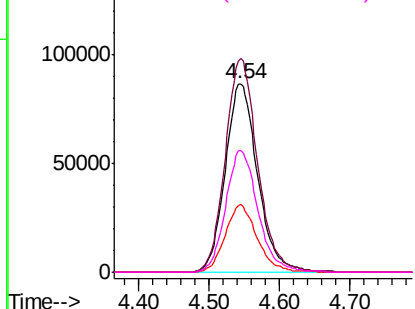
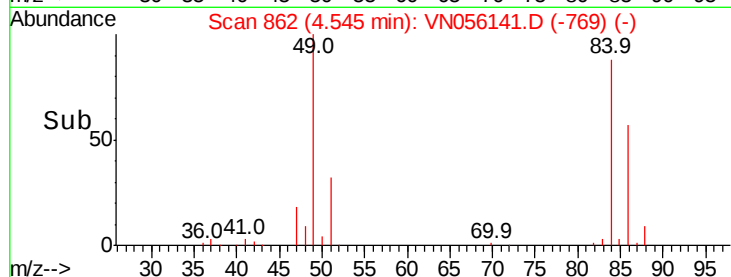
#20  
Methvlene Chloride  
Concen: 87.553 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN056141.D  
Acq: 8 Jun 2019 9:57

Instrument :  
MSVOA\_N  
ClientSampled :  
HD-02-060519

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 279000 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 113.2 | 93.5  | 140.3  |
| 51       | 35.7  | 28.6  | 43.0   |
| 86       | 64.4  | 52.6  | 79.0   |

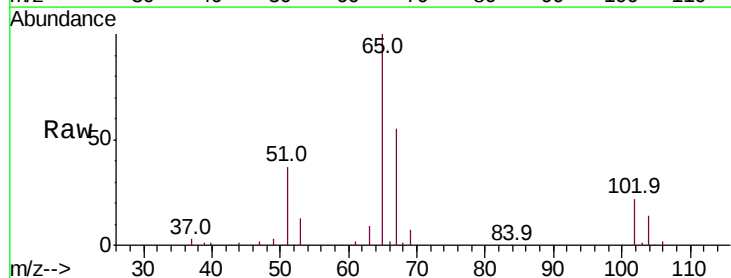


Abundance Ion 83.90 (83.60 to 84.60): VNC  
Ion 48.90 (48.60 to 49.60): VNC  
Ion 50.90 (50.60 to 51.60): VNC  
Ion 85.90 (85.60 to 86.60): VNC

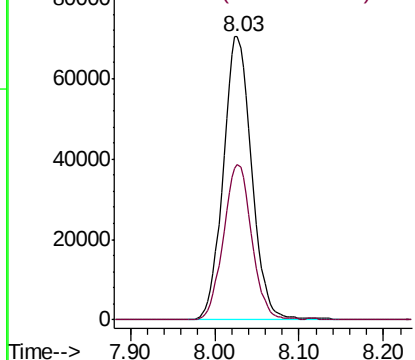
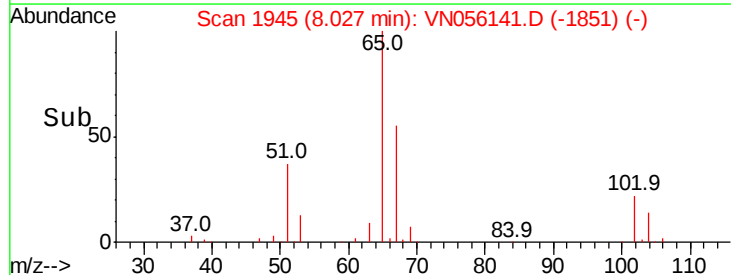


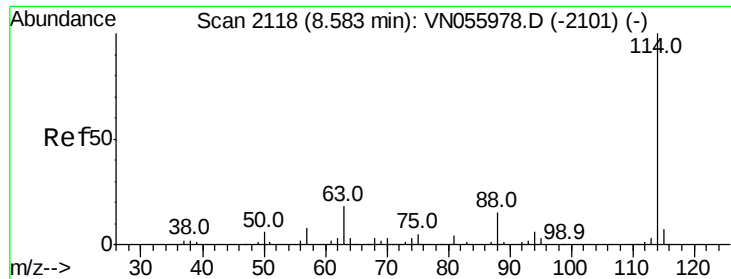
#33  
1,2-Dichloroethane-d4  
Concen: 50.862 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN056141.D  
Acq: 8 Jun 2019 9:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 164488 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.5  | 0.0   | 109.2  |



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

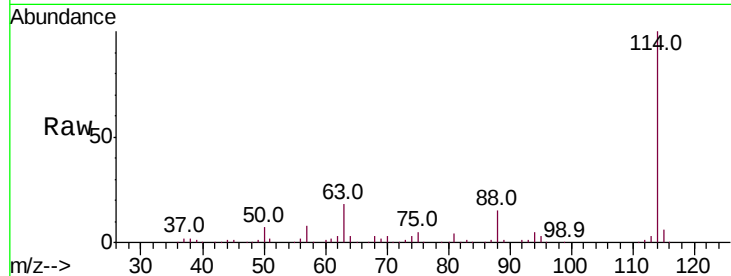




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056141.D  
 Acq: 8 Jun 2019 9:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HD-02-060519

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.2  | 0.0   | 39.2  |
| 88      | 14.7  | 0.0   | 31.0  |

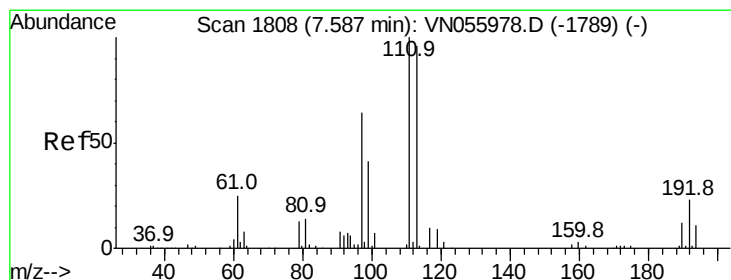
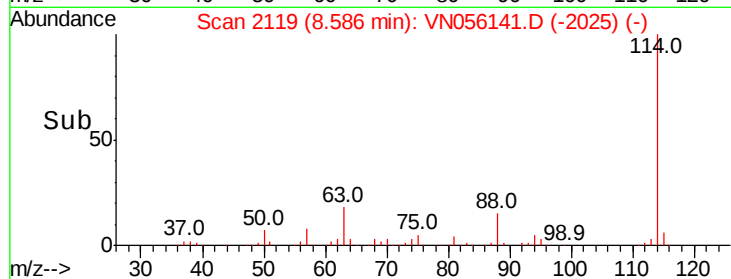
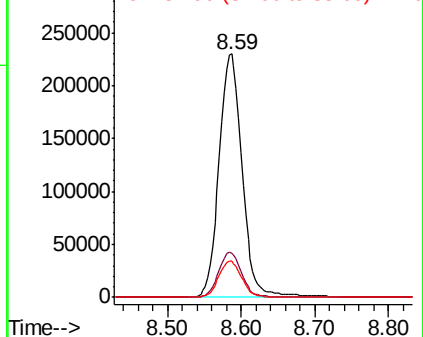


Abundance

Ion 113.90 (113.60 to 114.60): V

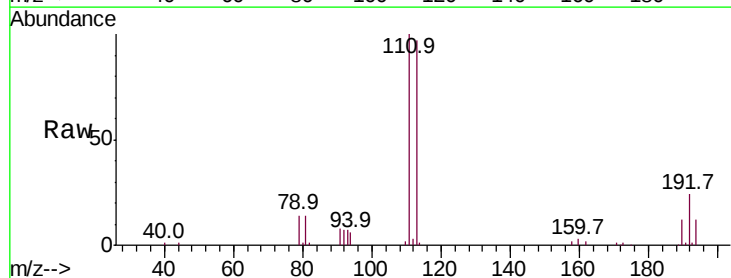
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35  
 Dibromofluoromethane  
 Concen: 46.500 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056141.D  
 Acq: 8 Jun 2019 9:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.9  | 122.9 |
| 192     | 24.7  | 19.5  | 29.3  |

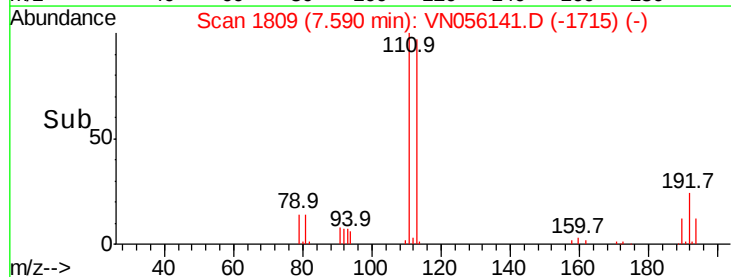
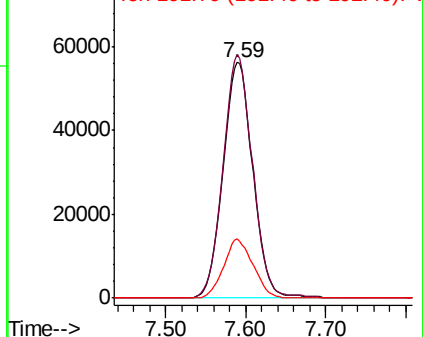


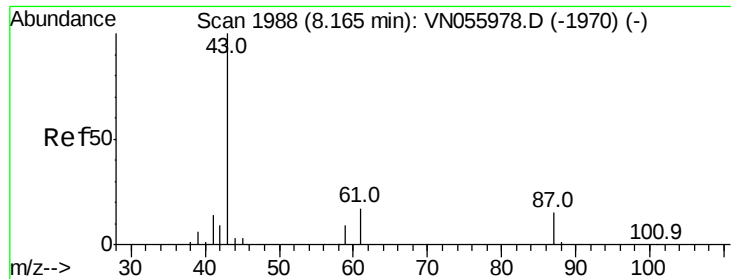
Abundance

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





#43

Isopropyl Acetate

Concen: 1.633 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056141.D

Acq: 8 Jun 2019 9:57

Instrument :

MSVOA\_N

ClientSampleId :

HD-02-060519

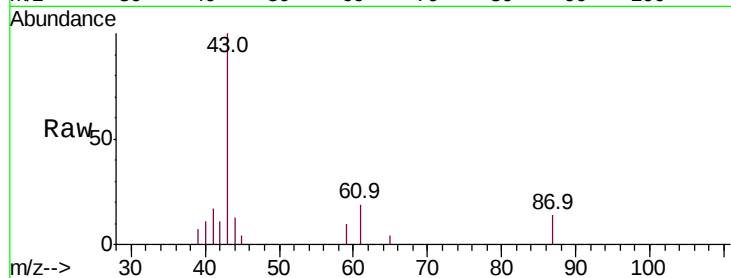
Tot Ion: 43 Resp: 10171

Ion Ratio Lower Upper

43 100

61 19.4 22.2 33.4#

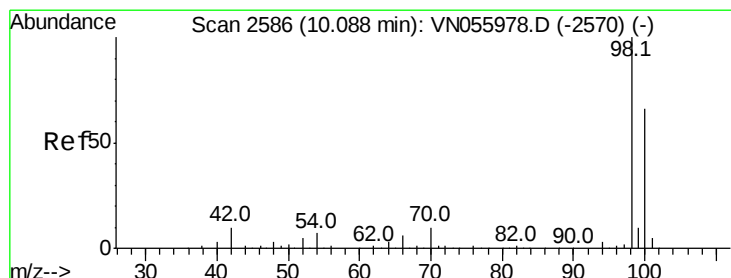
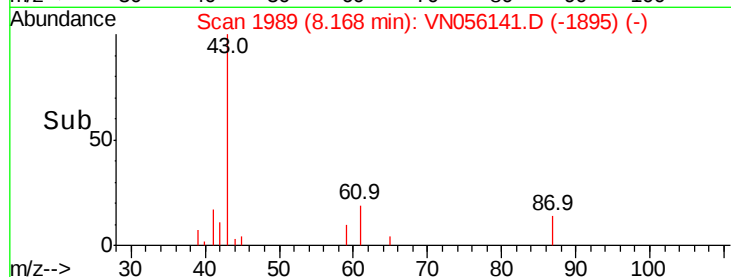
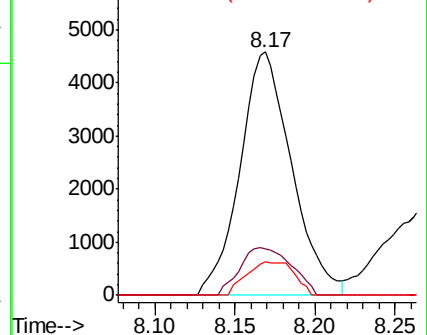
87 12.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.045 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056141.D

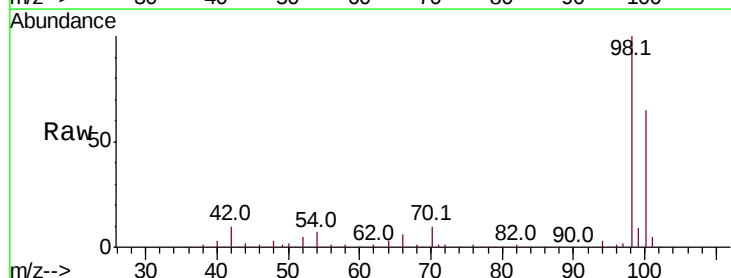
Acq: 8 Jun 2019 9:57

Tgt Ion: 98 Resp: 605267

Ion Ratio Lower Upper

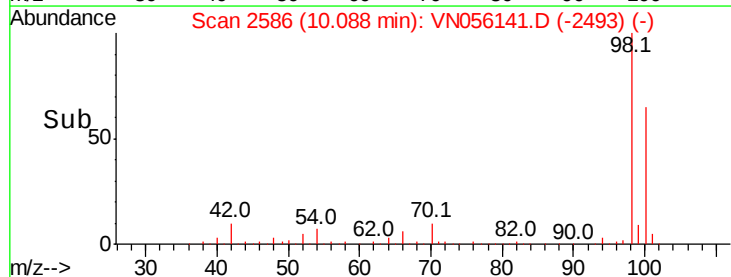
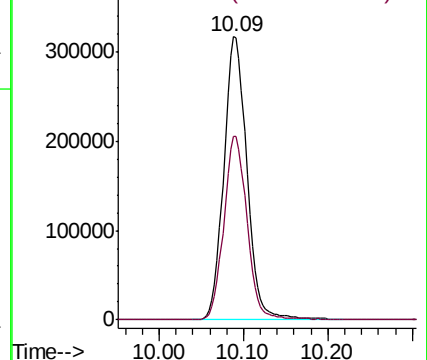
98 100

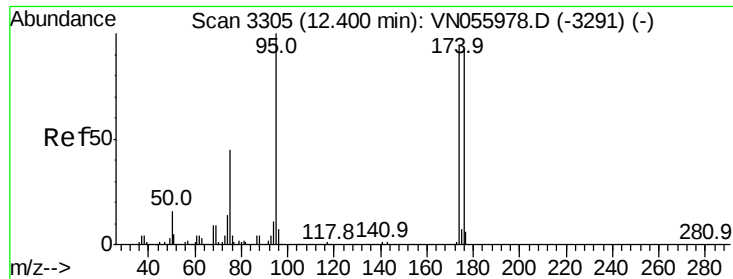
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 48.670 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056141.D

Acq: 8 Jun 2019 9:57

Instrument :

MSVOA\_N

ClientSampleId :

HD-02-060519

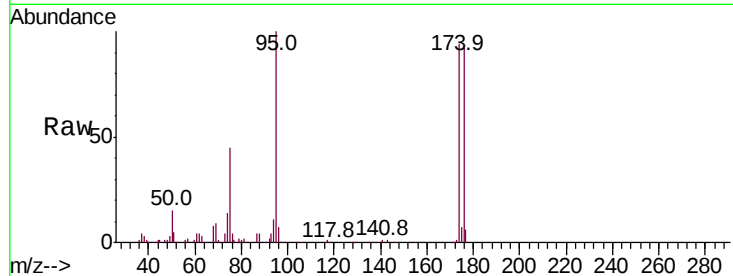
Tot Ion: 95 Resp: 196260

Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.0

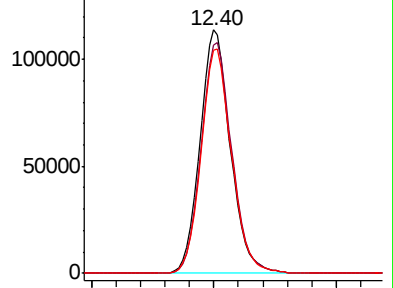
176 92.8 0.0 185.2



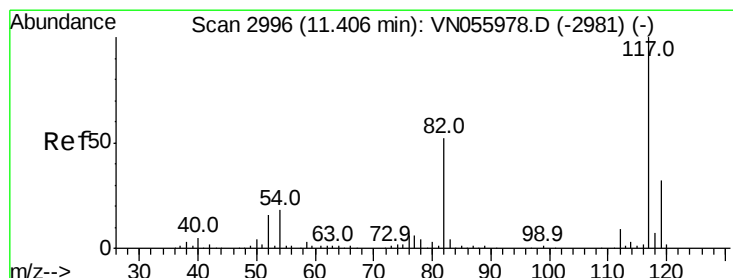
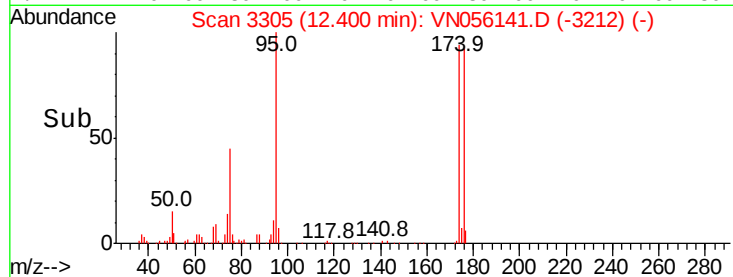
Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056141.D

Acq: 8 Jun 2019 9:57

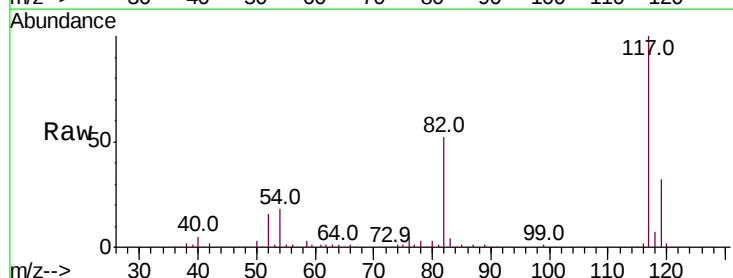
Tgt Ion: 117 Resp: 484455

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

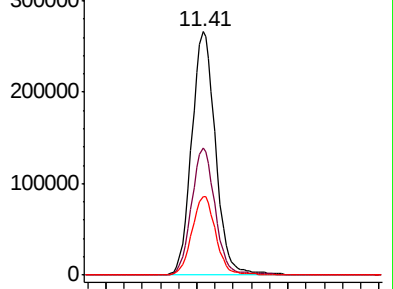
119 32.3 25.4 38.0



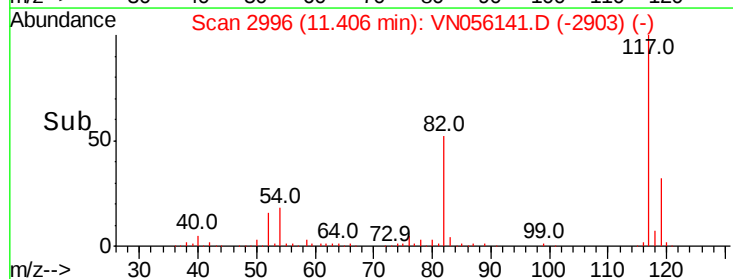
Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

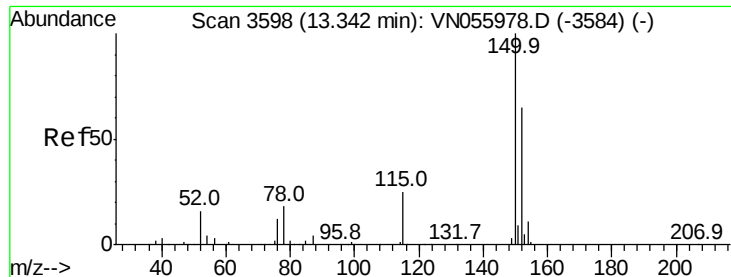
Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056141.D

Acq: 8 Jun 2019 9:57

Instrument :

MSVOA\_N

ClientSampleId :

HD-02-060519

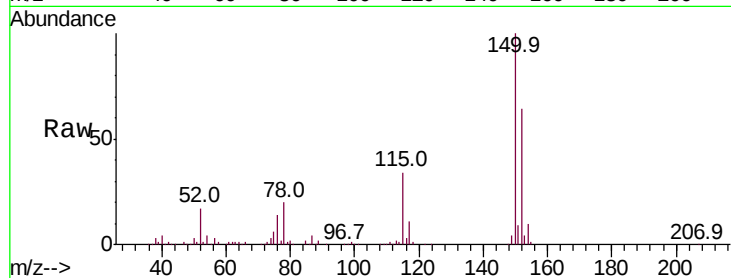
Tot Ion:152 Resp: 157936

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

150 156.0 0.0 343.2



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

