

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\  
 Data File : VN057079.D  
 Acq On : 5 Aug 2019 13:28  
 Operator : JC/SP  
 Sample : K4090-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-080219-B

Quant Time: Aug 06 02:11:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 27 01:33:29 2019  
 Response via : Initial Calibration

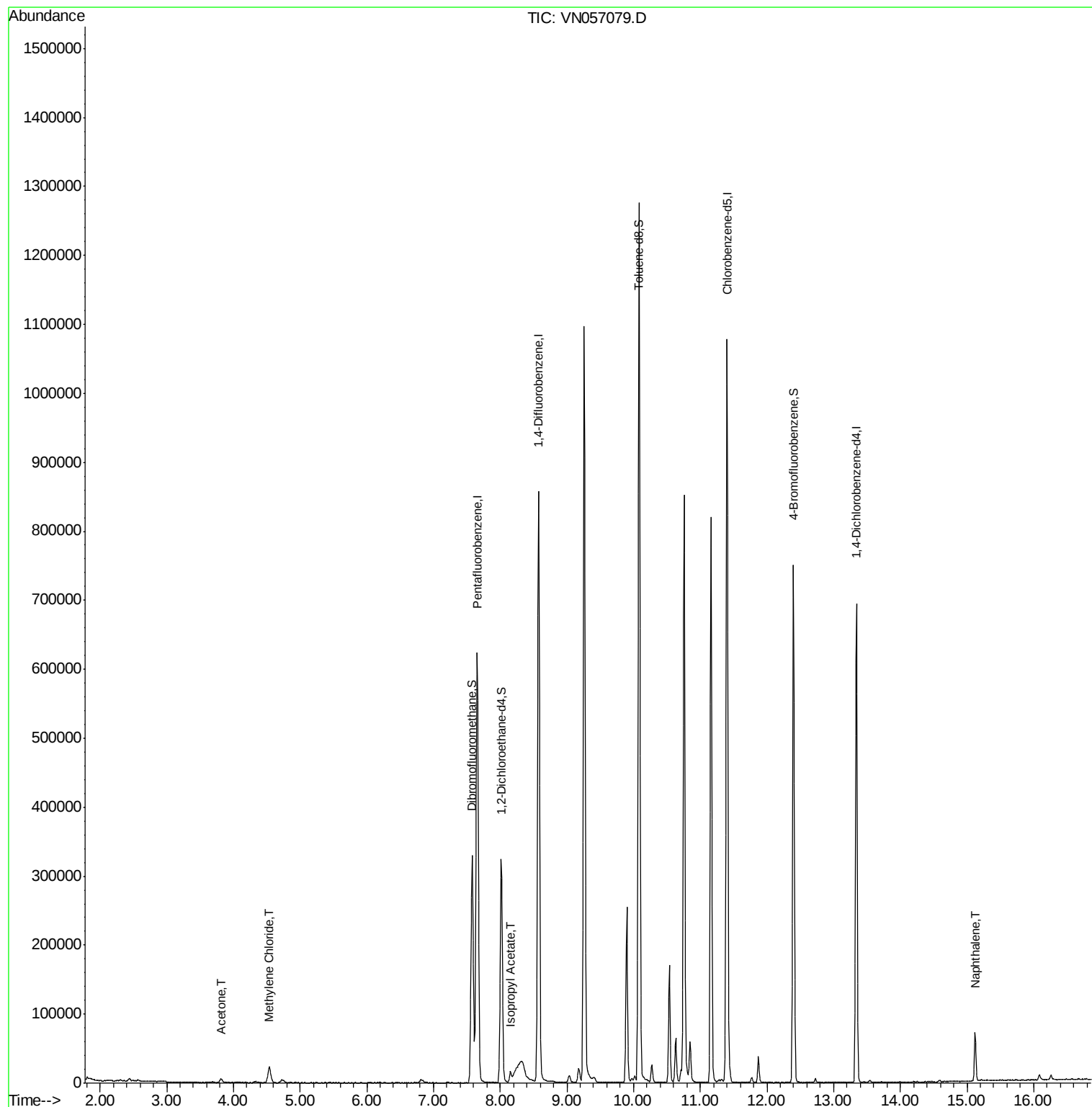
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 557328   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 817524   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 691702   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 208682   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 273465   | 47.93 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.86% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 250897   | 47.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.88% |          |
| 50) Toluene-d8              | 10.08 | 98   | 961186   | 48.16 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.32% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 266279   | 40.98 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 81.96% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.82  | 43   | 11159    | 5.399 | ug/l   | 90       |
| 20) Methylene Chloride      | 4.54  | 84   | 18375    | 3.086 | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 17946    | 1.885 | ug/l # | 89       |
| 95) Naphthalene             | 15.12 | 128  | 60993    | 9.973 | ug/l   | 99       |

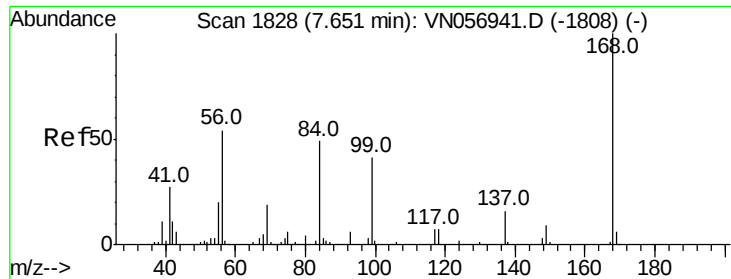
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jul 27 01:33:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057079.D

Acq: 5 Aug 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

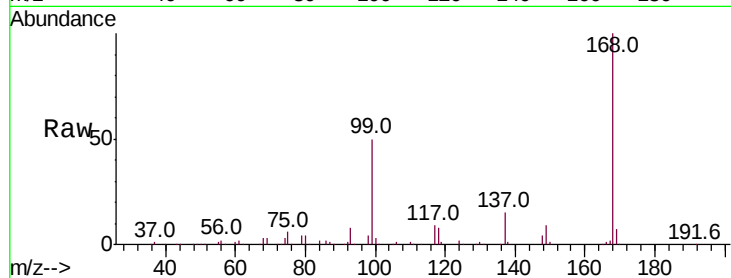
OR-02-080219-B

Tot Ion:168 Resp: 557328

Ion Ratio Lower Upper

168 100

99 49.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.66

250000

200000

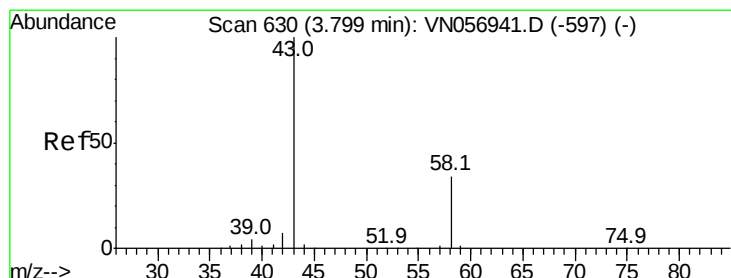
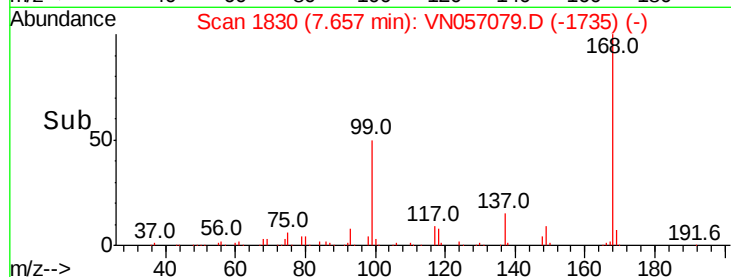
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.399 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN057079.D

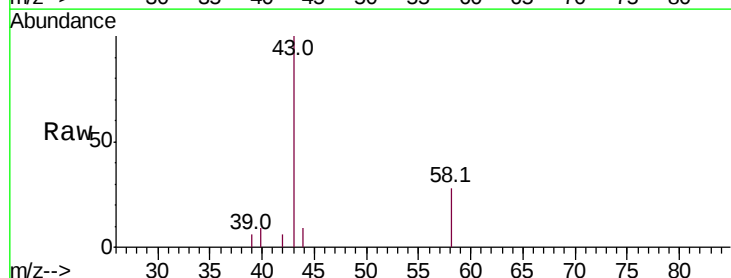
Acq: 5 Aug 2019 13:28

Tgt Ion: 43 Resp: 11159

Ion Ratio Lower Upper

43 100

58 28.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-597) (-)

3.82

4000

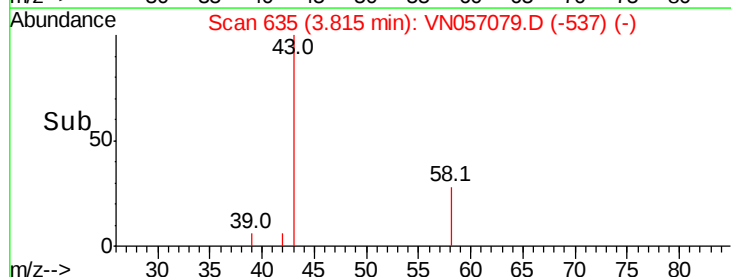
3000

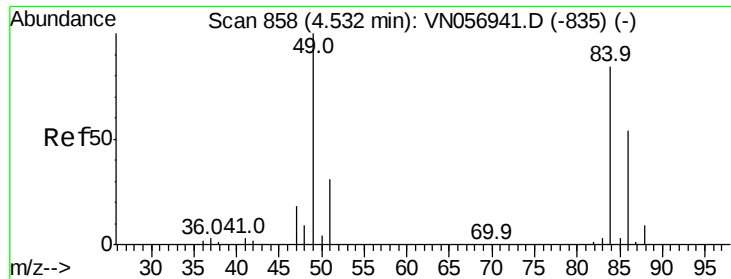
2000

1000

0

Time-->

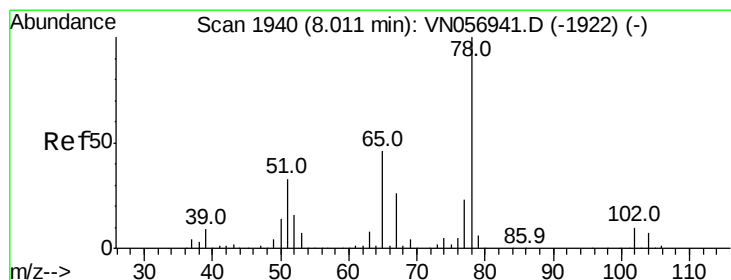
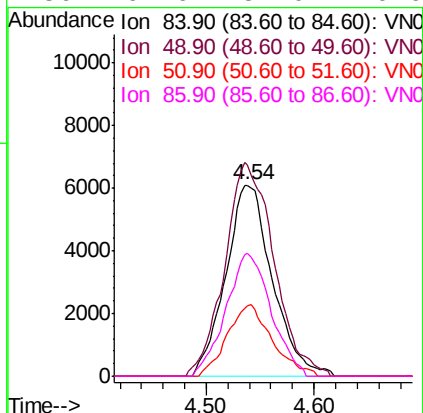
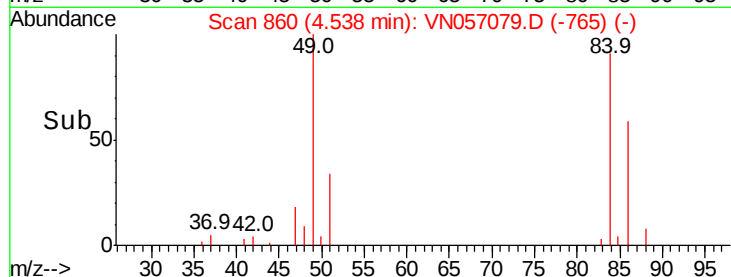
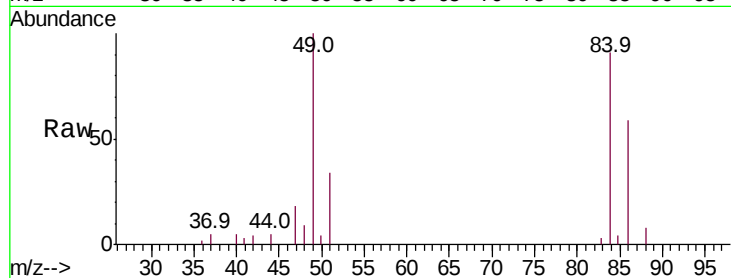




#20  
Methvlene Chloride  
Concen: 3.086 ug/l  
RT: 4.54 min Scan# 860  
Delta R.T. 0.01 min  
Lab File: VN057079.D  
Acq: 5 Aug 2019 13:28

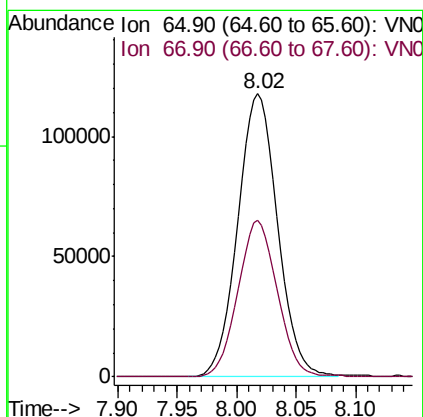
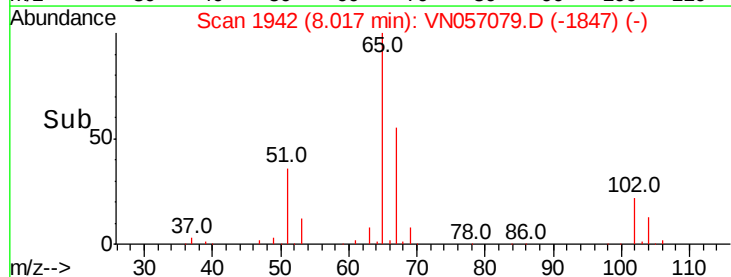
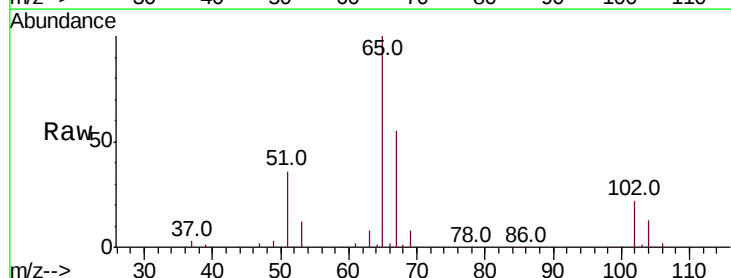
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-080219-B

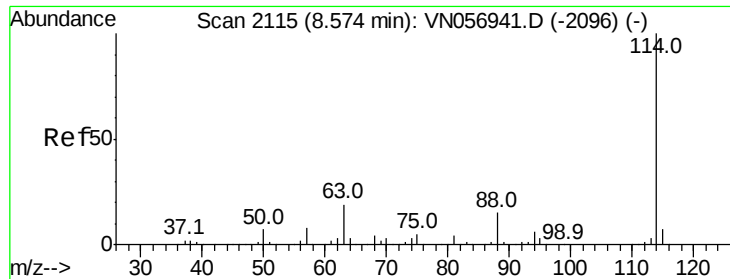
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 18375 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.3 | 95.2  | 142.8 |
| 51       | 37.1  | 29.7  | 44.5  |
| 86       | 64.6  | 51.0  | 76.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 47.934 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. 0.01 min  
Lab File: VN057079.D  
Acq: 5 Aug 2019 13:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 273465 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.8  | 0.0   | 112.0  |

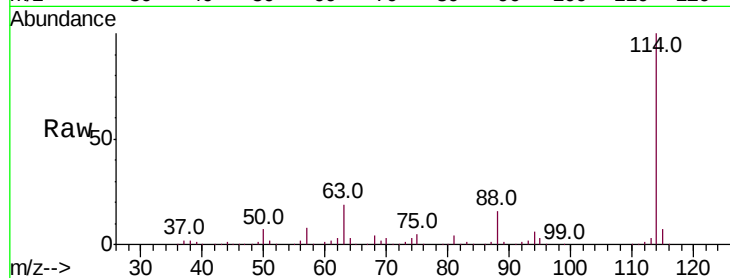




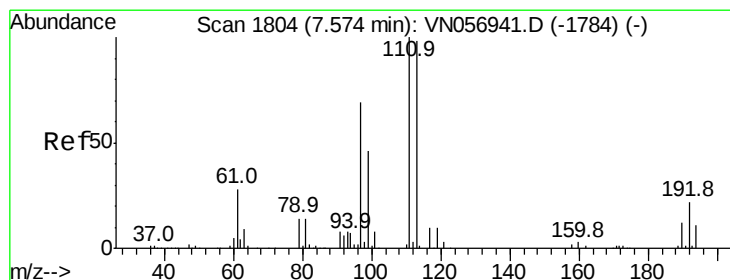
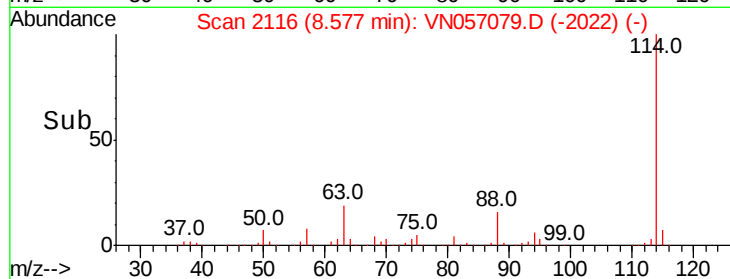
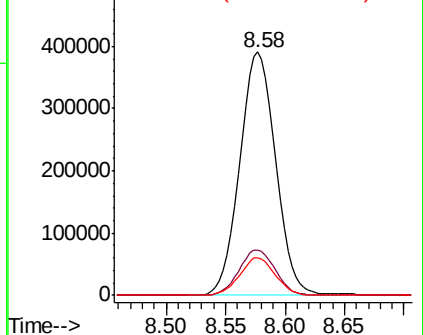
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057079.D  
 Acq: 5 Aug 2019 13:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-080219-B

Tot Ion:114 Resp: 817524  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 38.0  
 88 15.7 0.0 30.0

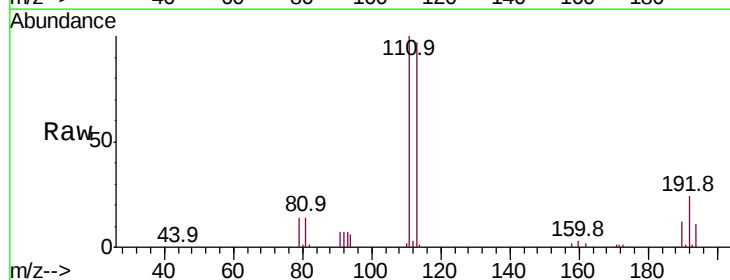


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

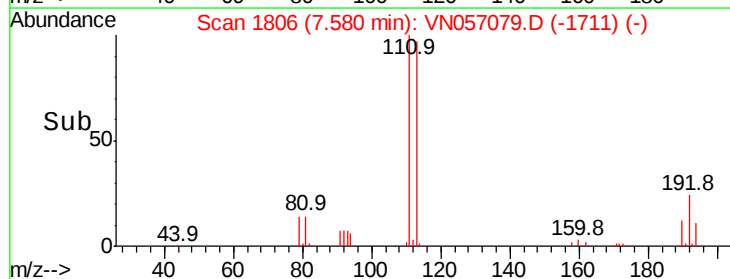
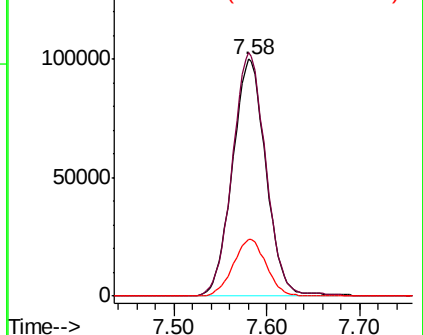


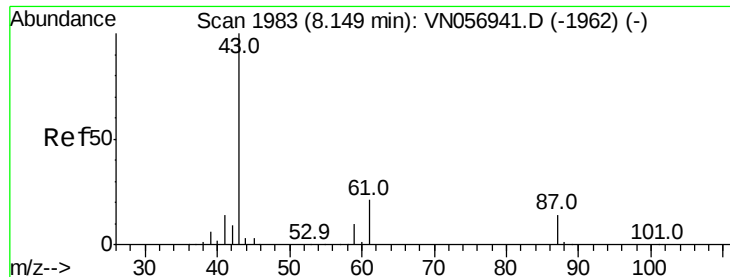
#35  
 Dibromofluoromethane  
 Concen: 47.940 ug/l  
 RT: 7.58 min Scan# 1806  
 Delta R.T. 0.01 min  
 Lab File: VN057079.D  
 Acq: 5 Aug 2019 13:28

Tgt Ion:113 Resp: 250897  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 82.0 123.0  
 192 23.6 18.4 27.6



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: 1.885 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057079.D

Acq: 5 Aug 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-080219-B

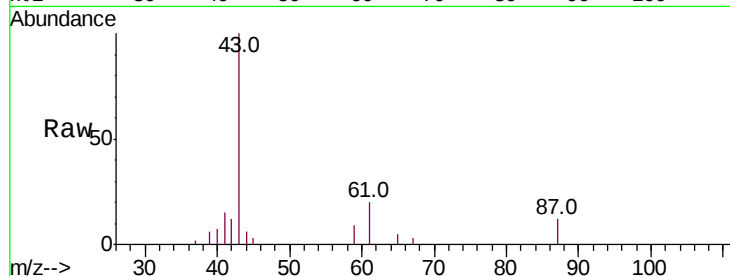
Tot Ion: 43 Resp: 17946

Ion Ratio Lower Upper

43 100

61 21.0 23.0 34.6#

87 13.5 11.7 17.5

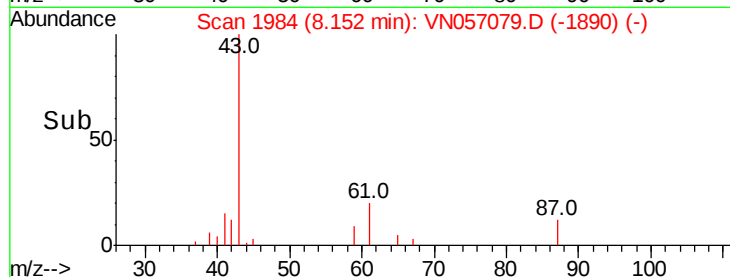


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

Time-->



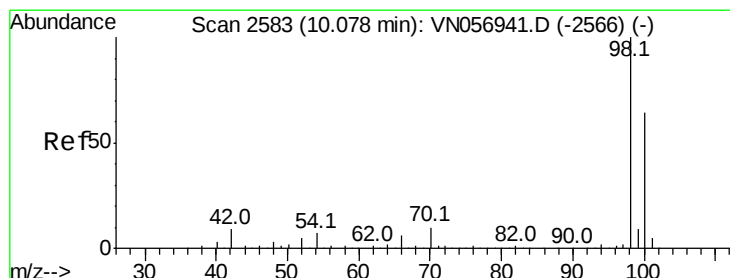
Abundance

Ion 43.00 (42.70 to 43.70): VN057079.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN057079.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN057079.D (-1890) (-)

Time-->



#50

Toluene-d8

Concen: 48.161 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057079.D

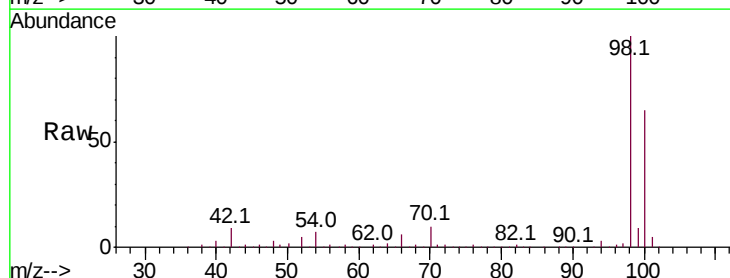
Acq: 5 Aug 2019 13:28

Tgt Ion: 98 Resp: 961186

Ion Ratio Lower Upper

98 100

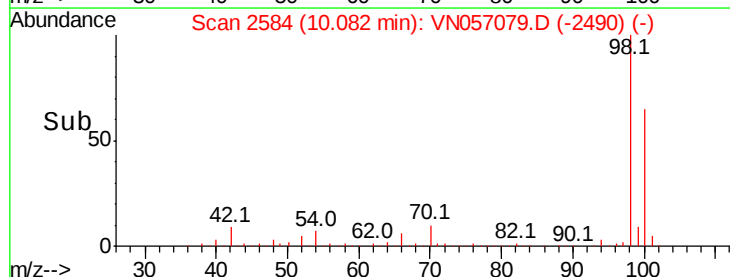
100 64.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)

Time-->

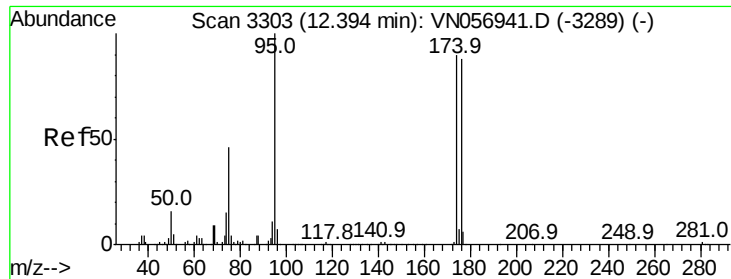


Abundance

Ion 98.00 (97.70 to 98.70): VN057079.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN057079.D (-2490) (-)

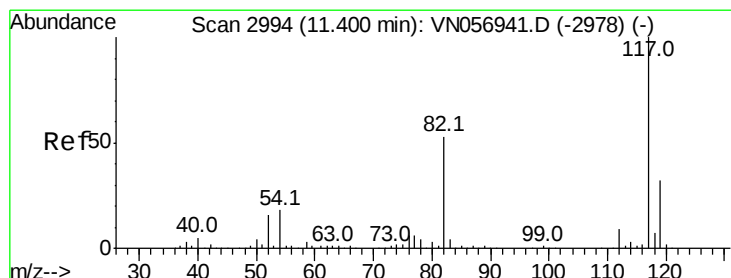
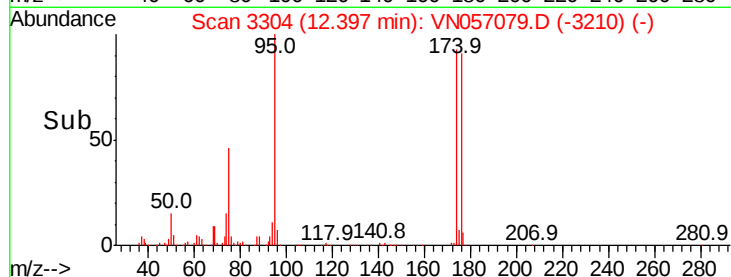
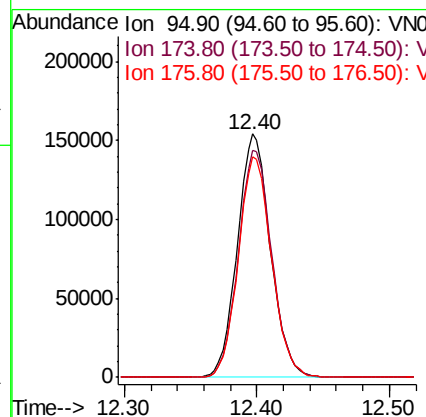
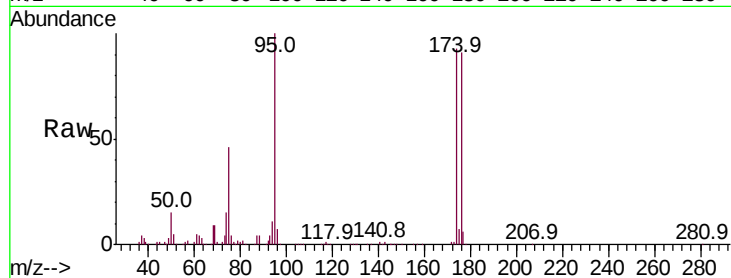
Time-->



#62  
4-Bromofluorobenzene  
Concen: 40.984 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.00 min  
Lab File: VN057079.D  
Acq: 5 Aug 2019 13:28

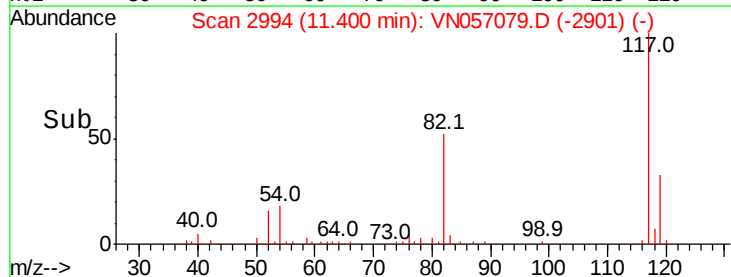
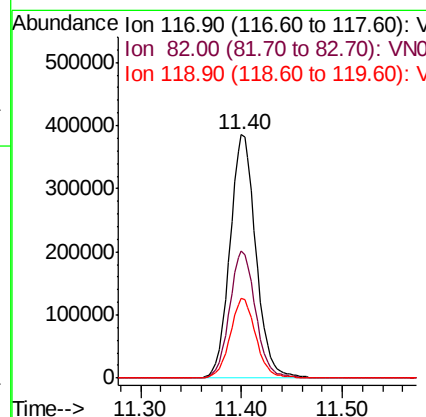
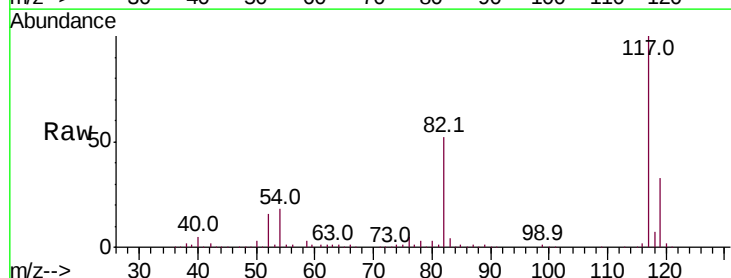
Instrument :  
MSVOA\_N  
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OR-02-080219-B

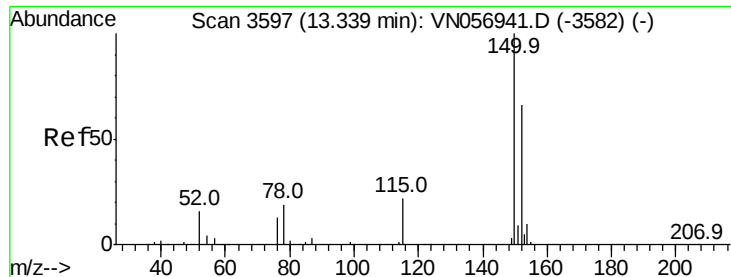
Tot Ion: 95 Resp: 266279  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 182.2  
176 91.2 0.0 179.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN057079.D  
Acq: 5 Aug 2019 13:28

Tgt Ion: 117 Resp: 691702  
Ion Ratio Lower Upper  
117 100  
82 52.0 42.2 63.4  
119 32.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057079.D

Acq: 5 Aug 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-080219-B

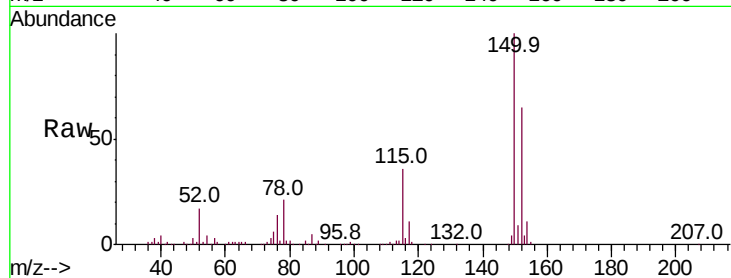
Tot Ion:152 Resp: 208682

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

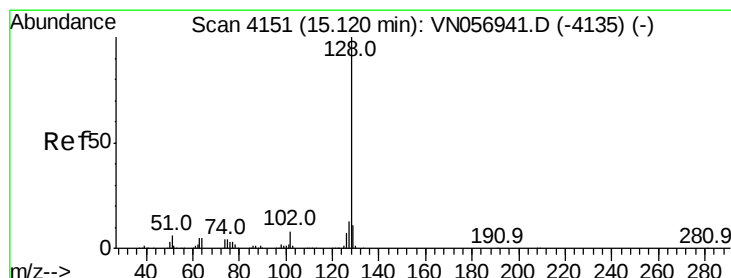
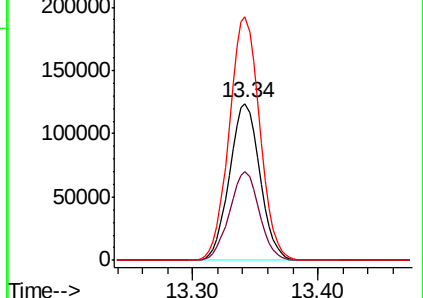
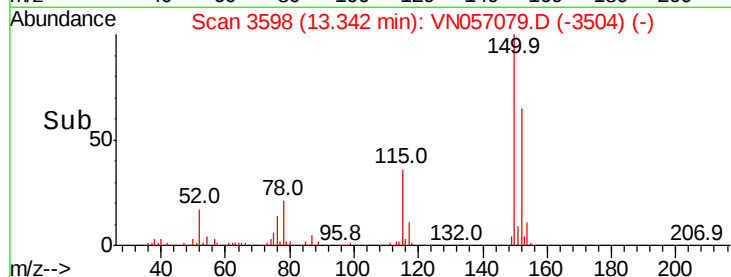
150 155.6 0.0 349.4



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



#95

Naphthalene

Concen: 9.973 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN057079.D

Acq: 5 Aug 2019 13:28

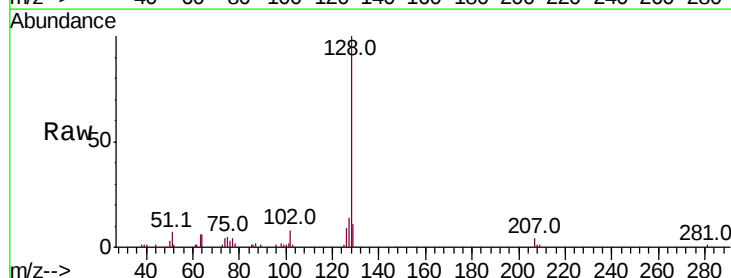
Tgt Ion:128 Resp: 60993

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

