

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\  
 Data File : VN057324.D  
 Acq On : 15 Aug 2019 12:15  
 Operator : JC/SP  
 Sample : K4264-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-3-C1-(2)

Quant Time: Aug 15 12:38:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

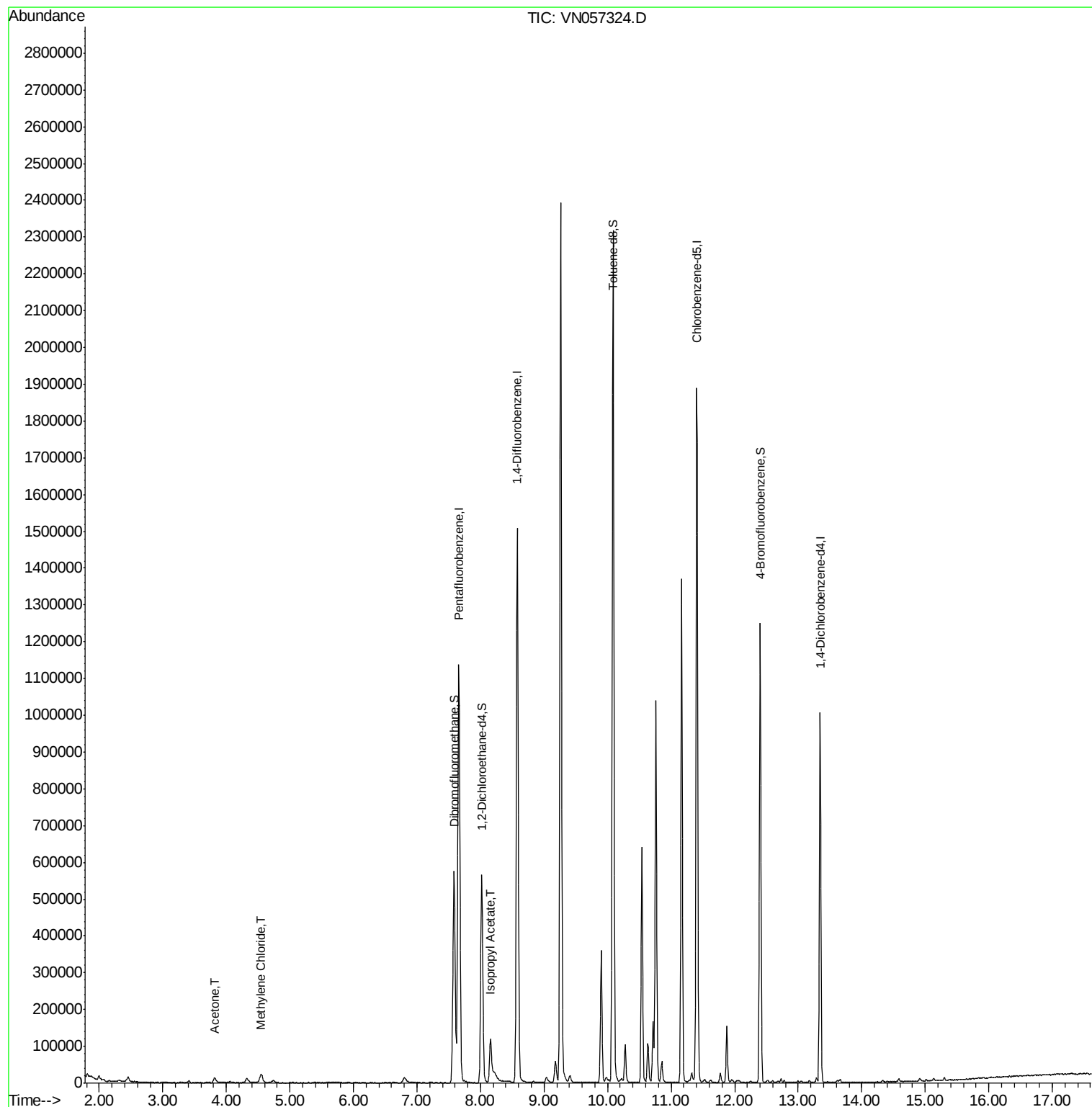
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1040645  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 1450462  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1192731  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 292972   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 487632   | 43.10 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.20% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 440522   | 46.33 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.66% |          |
| 50) Toluene-d8              | 10.08 | 98   | 1686062  | 48.48 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.96% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 438044   | 35.64 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 71.28% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.82  | 43   | 20807    | 5.302 | ug/l   | 93       |
| 20) Methylene Chloride      | 4.54  | 84   | 17844    | 1.625 | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 163400   | 7.561 | ug/l # | 88       |

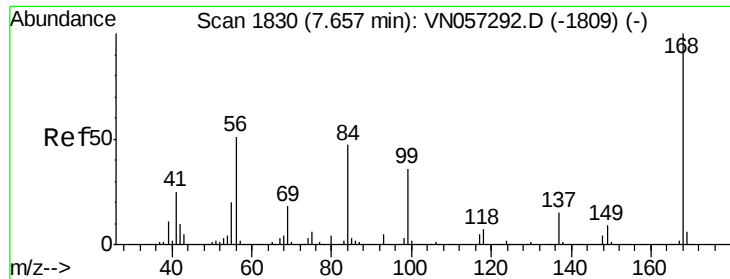
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081619\  
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REACTOR-3-C1-(2)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057324.D

Acq: 15 Aug 2019 12:15

Instrument :

MSVOA\_N

ClientSampleId :

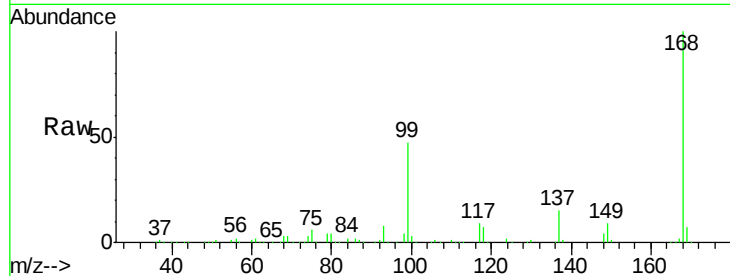
REACTOR-3-C1-(2)

Tot Ion:168 Resp: 1040645

Ion Ratio Lower Upper

168 100

99 47.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057324.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN057324.D (-1737) (-)

7.66

400000

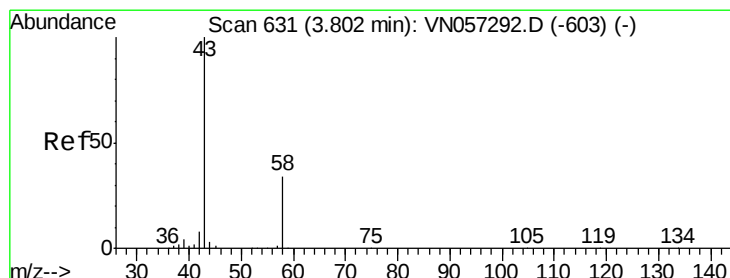
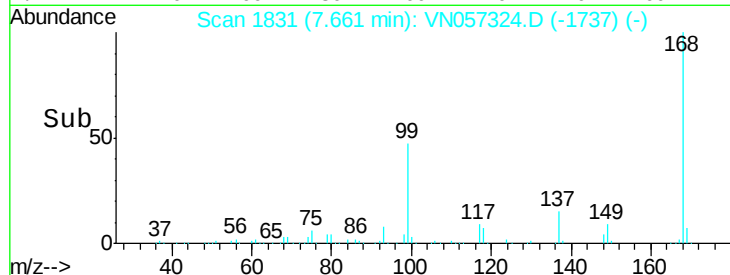
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.302 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN057324.D

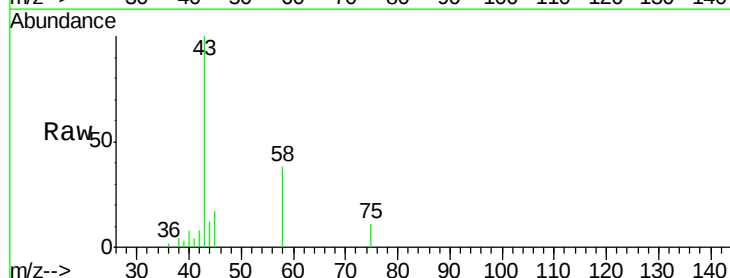
Acq: 15 Aug 2019 12:15

Tgt Ion: 43 Resp: 20807

Ion Ratio Lower Upper

43 100

58 37.8 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057324.D (-538) (-)

Ion 58.00 (57.70 to 58.70): VN057324.D (-538) (-)

3.82

8000

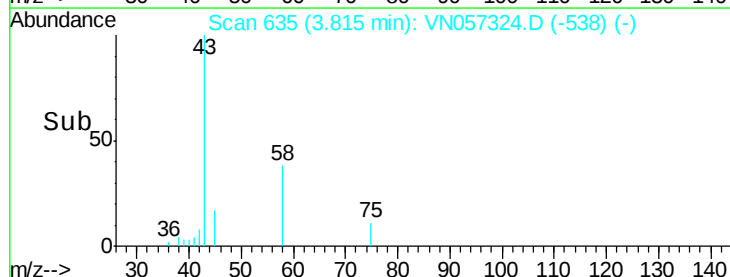
6000

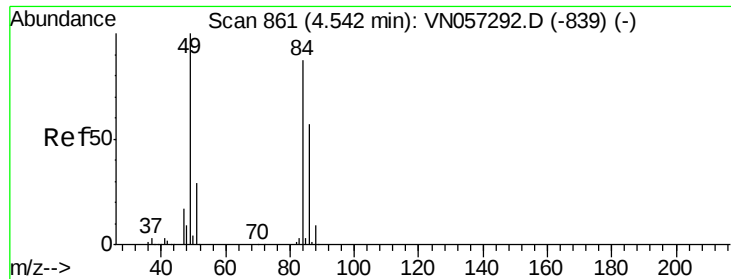
4000

2000

0

Time-->

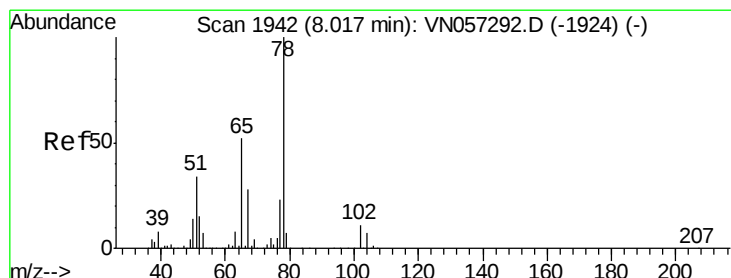
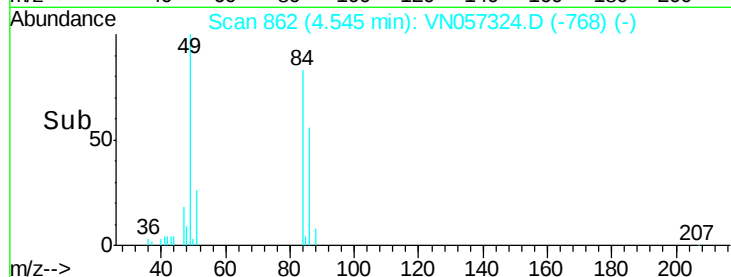
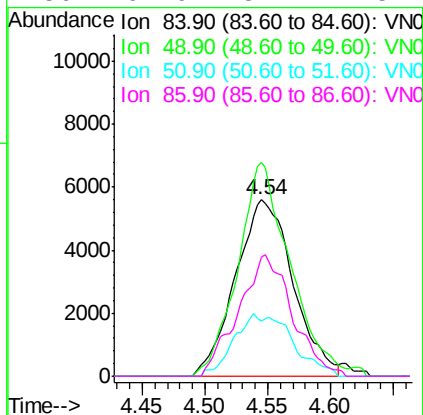
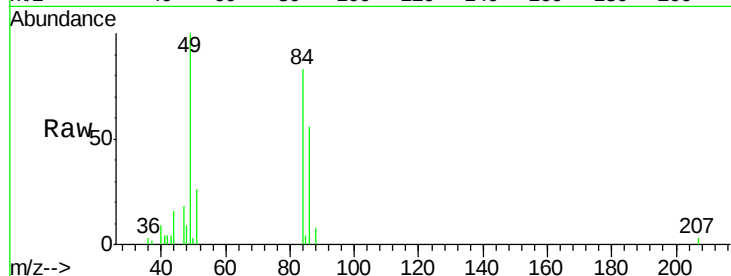




#20  
Methvlene Chloride  
Concen: 1.625 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN057324.D  
Acq: 15 Aug 2019 12:15

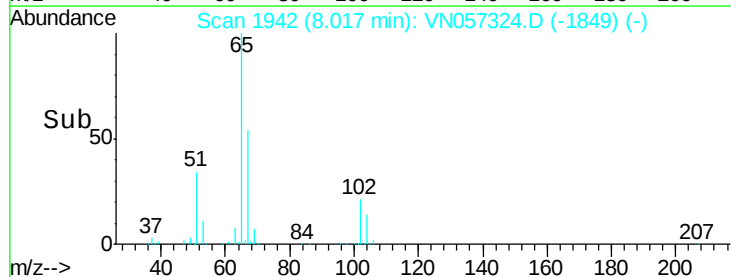
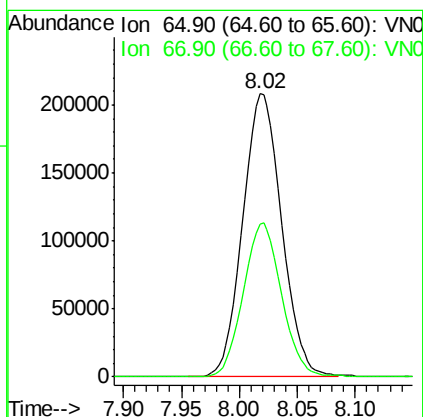
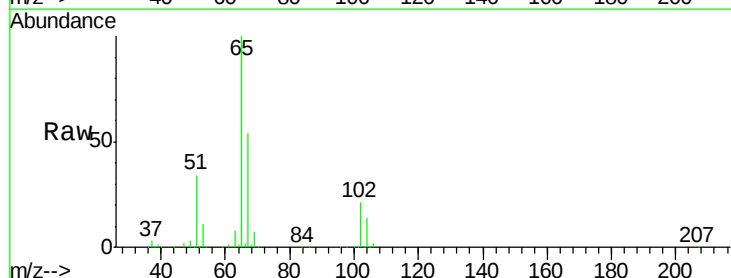
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-3-C1-(2)

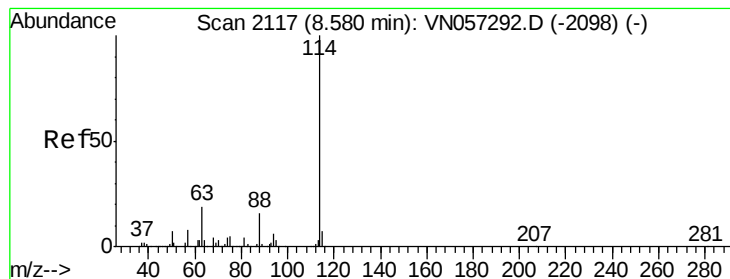
Tot Ion: 84 Resp: 17844  
Ion Ratio Lower Upper  
84 100  
49 121.1 92.0 138.0  
51 31.0 27.1 40.7  
86 67.9 52.2 78.2



#33  
1,2-Dichloroethane-d4  
Concen: 43.104 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. 0.00 min  
Lab File: VN057324.D  
Acq: 15 Aug 2019 12:15

Tgt Ion: 65 Resp: 487632  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057324.D

Acq: 15 Aug 2019 12:15

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-C1-(2)

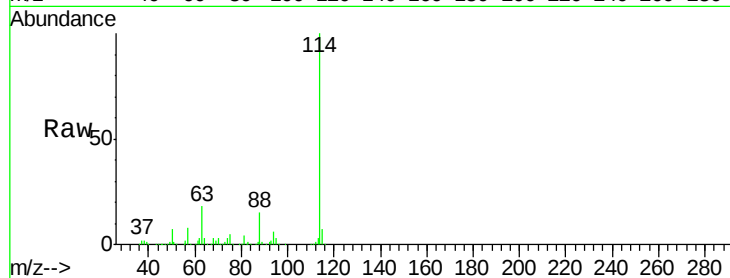
Tot Ion:114 Resp: 1450462

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.8

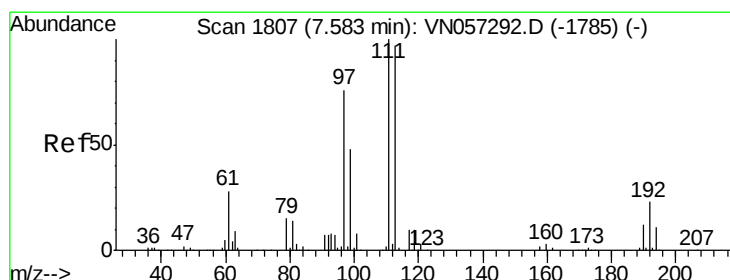
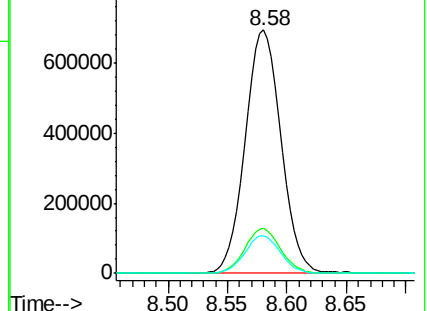
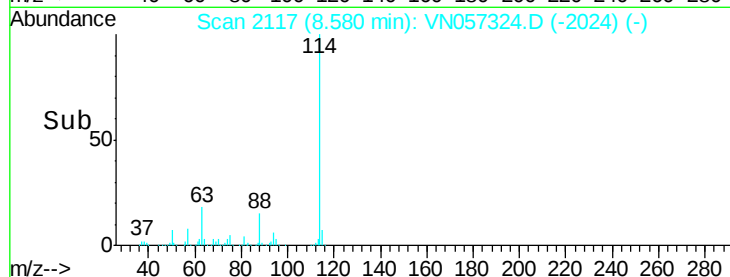
88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.331 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057324.D

Acq: 15 Aug 2019 12:15

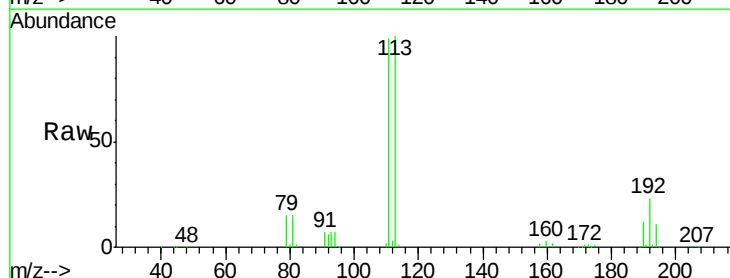
Tgt Ion:113 Resp: 440522

Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

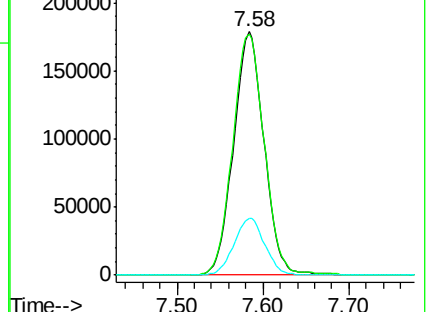
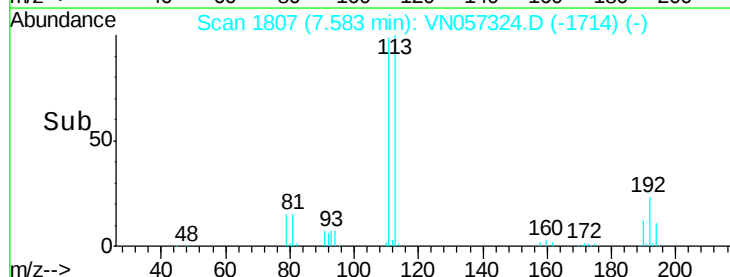
192 23.4 19.3 28.9

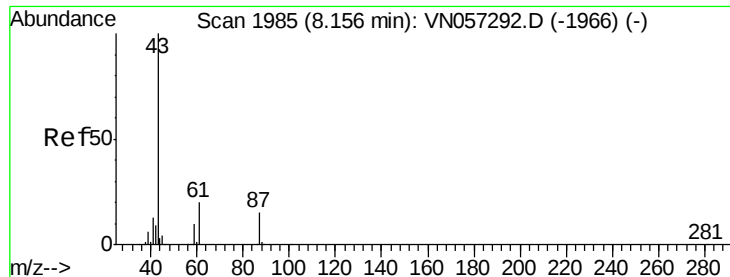


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 7.561 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057324.D

Acq: 15 Aug 2019 12:15

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-C1-(2)

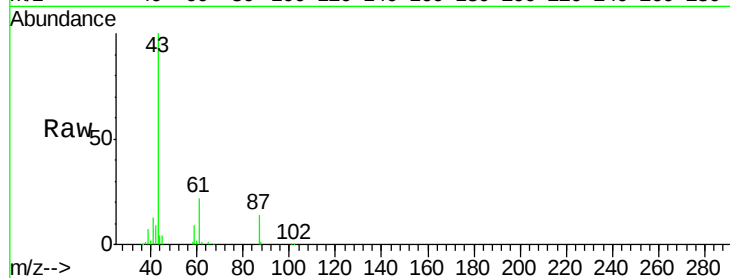
Tot Ion: 43 Resp: 163400

Ion Ratio Lower Upper

43 100

61 19.0 21.6 32.4#

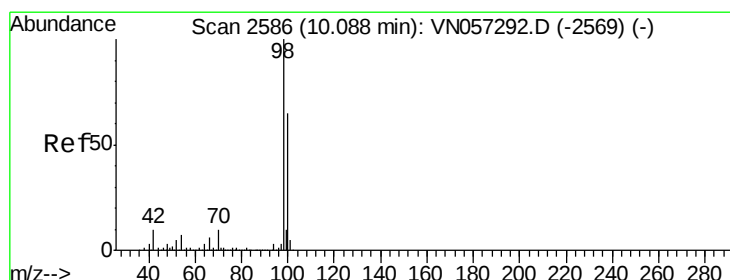
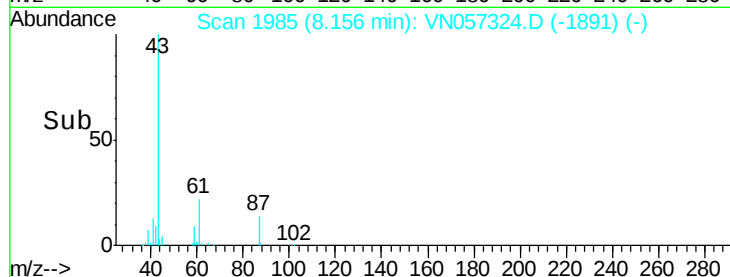
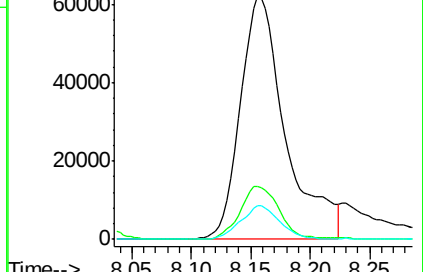
87 12.0 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN057324.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057324.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057324.D (-1966) (-)



#50

Toluene-d8

Concen: 48.483 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057324.D

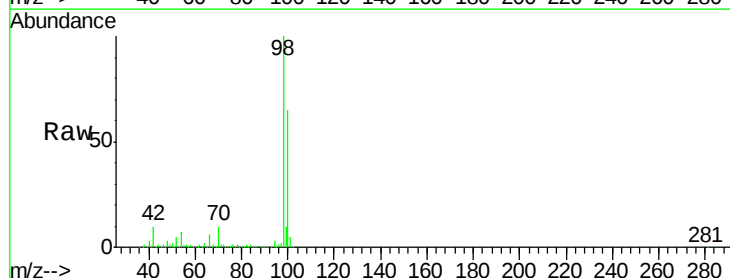
Acq: 15 Aug 2019 12:15

Tgt Ion: 98 Resp: 1686062

Ion Ratio Lower Upper

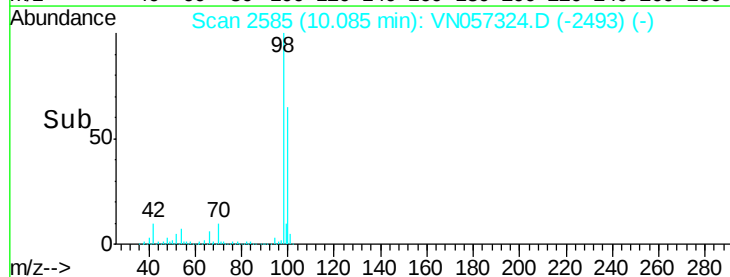
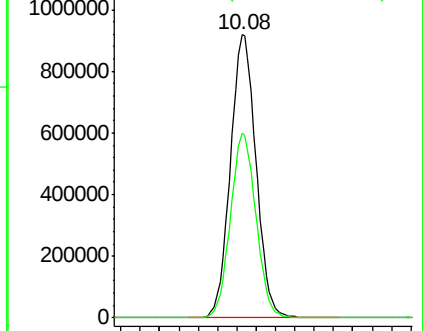
98 100

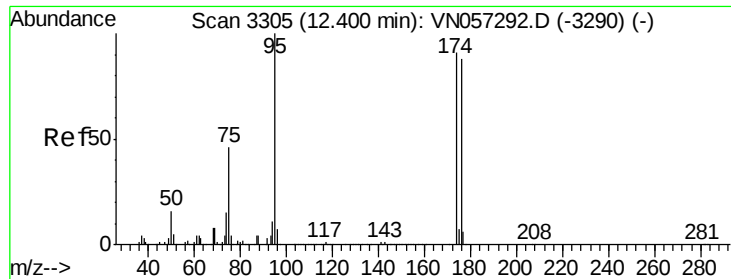
100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN057324.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057324.D (-2569) (-)

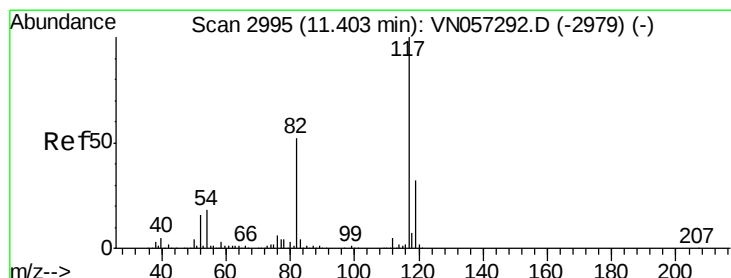
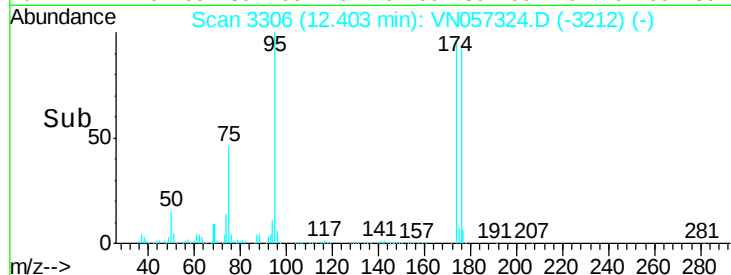
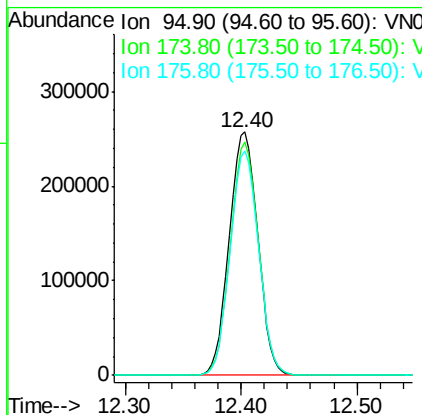
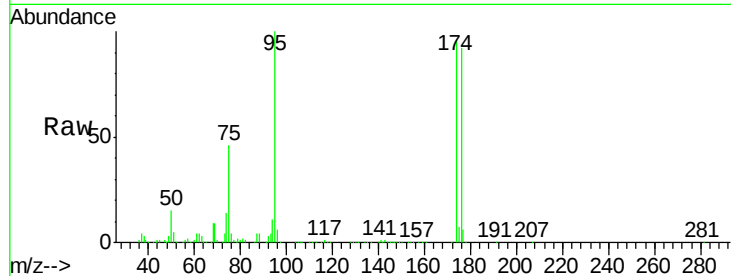




#62  
4-Bromofluorobenzene  
Concen: 35.643 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057324.D  
Acq: 15 Aug 2019 12:15

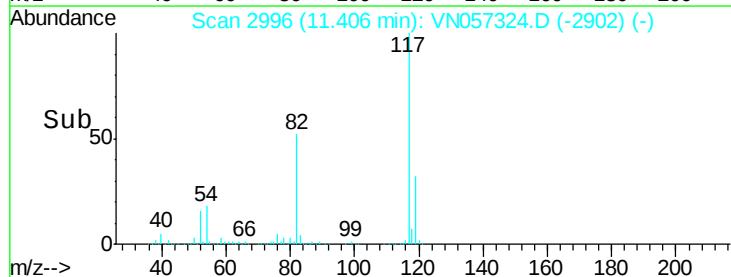
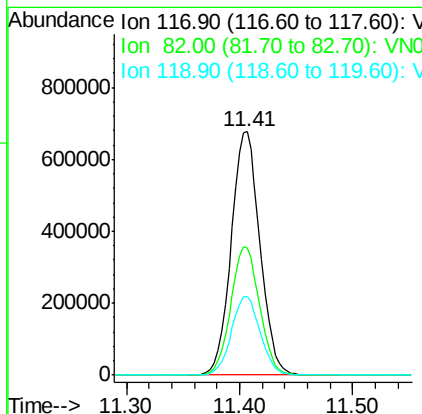
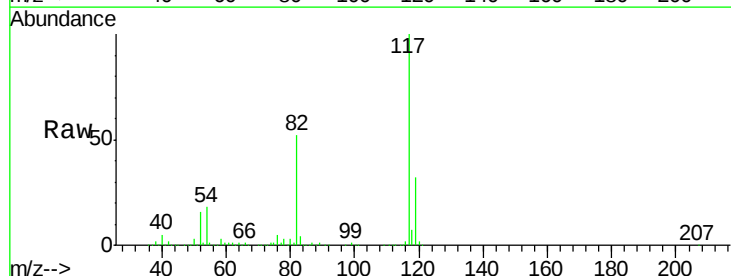
Instrument :  
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REACTOR-3-C1-(2)

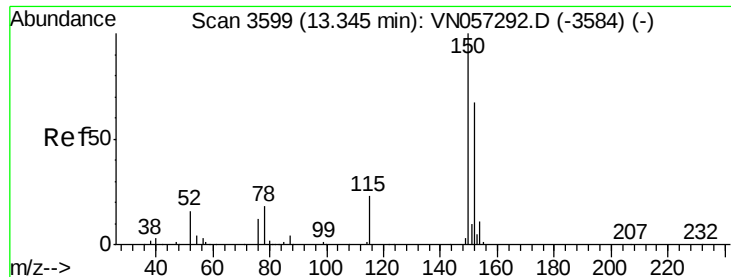
Tot Ion: 95 Resp: 438044  
Ion Ratio Lower Upper  
95 100  
174 94.1 0.0 185.0  
176 91.2 0.0 181.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057324.D  
Acq: 15 Aug 2019 12:15

Tgt Ion: 117 Resp: 1192731  
Ion Ratio Lower Upper  
117 100  
82 52.1 41.2 61.8  
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057324.D

Acq: 15 Aug 2019 12:15

Instrument :

MSVOA\_N

ClientSampleId :

REACTOR-3-C1-(2)

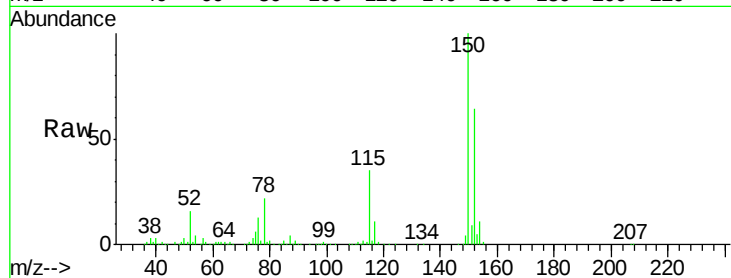
Tot Ion:152 Resp: 292972

Ion Ratio Lower Upper

152 100

115 55.5 27.3 81.9

150 160.5 0.0 344.4



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

