

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\  
 Data File : VN063401.D  
 Acq On : 17 Sep 2020 6:39  
 Operator : JC/MD  
 Sample : L4015-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-6E-(C-4)

Quant Time: Sep 17 07:30:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

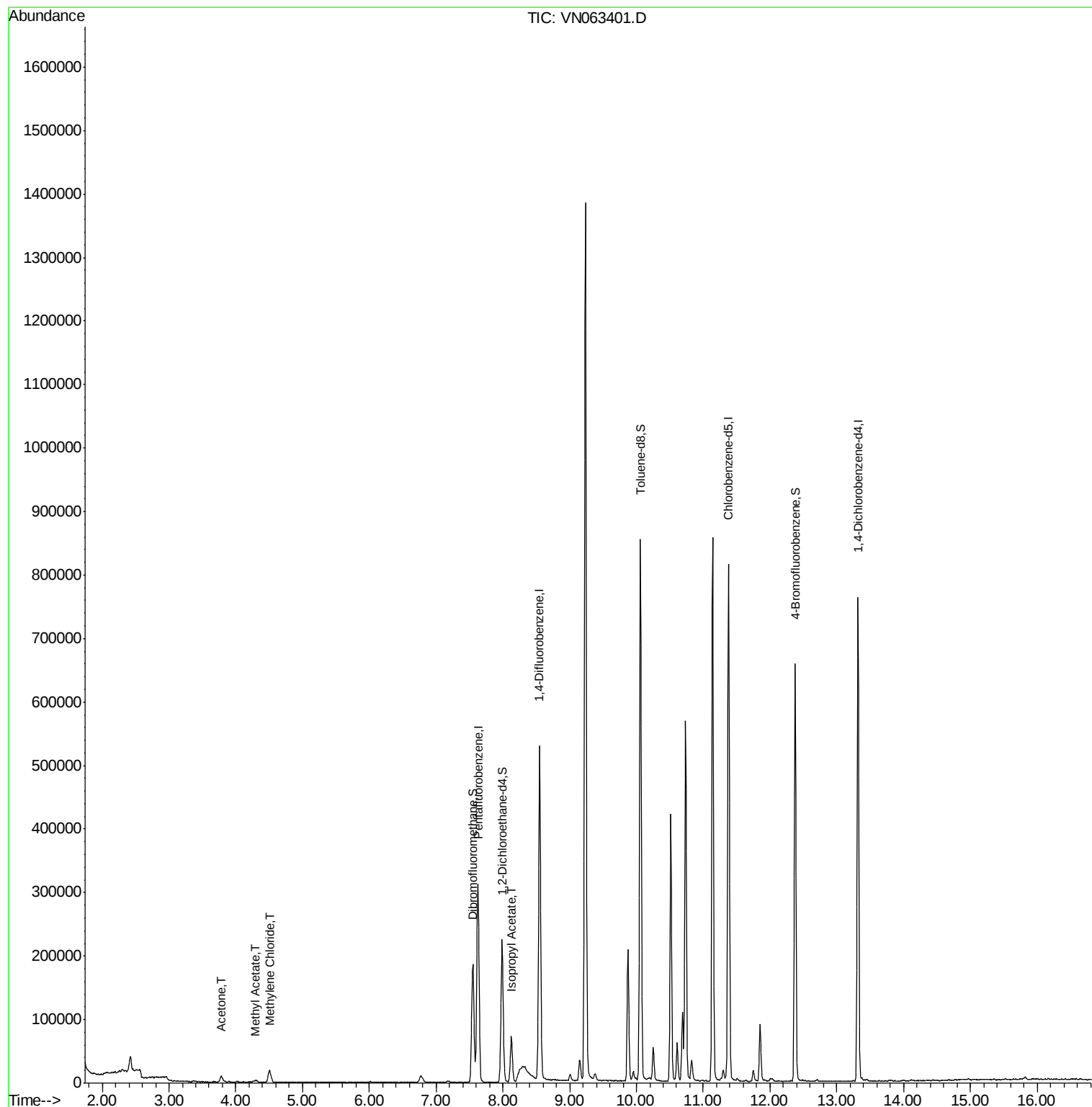
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 229787   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 428251   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 426555   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 180971   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 193629   | 49.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.00%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 142727   | 48.14  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.28%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 560735   | 50.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.60% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 219361   | 53.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.36% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 16475    | 13.105 | ug/l    | 100      |
| 18) Methyl Acetate          | 4.29  | 43   | 5363     | 1.680  | ug/l #  | 85       |
| 20) Methylene Chloride      | 4.51  | 84   | 12858    | 4.037  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 87594    | 10.940 | ug/l    | 100      |

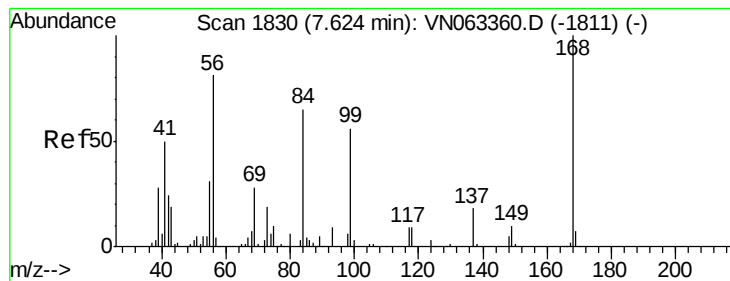
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091620\  
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REACTOR-6E-(C-4)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063401.D

Acq: 17 Sep 2020 6:39

Instrument :

MSVOA\_N

ClientSampleId :

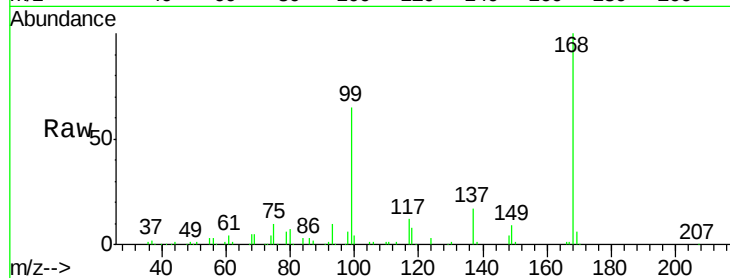
REACTOR-6E-(C-4)

Tot Ion:168 Resp: 229787

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

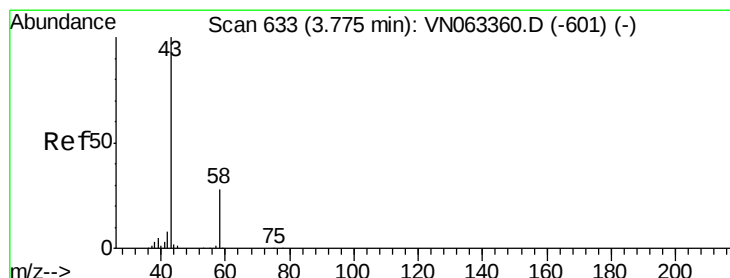
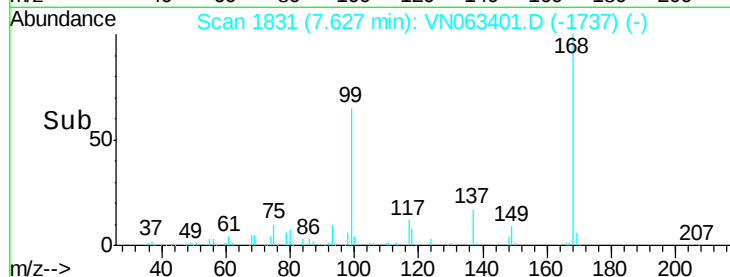
60000

40000

20000

0

Time--> 7.50



#16

Acetone

Concen: 13.105 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063401.D

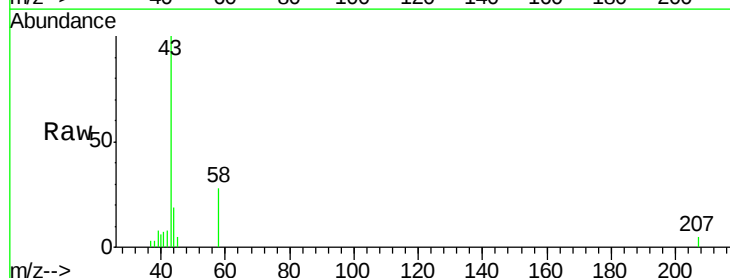
Acq: 17 Sep 2020 6:39

Tgt Ion: 43 Resp: 16475

Ion Ratio Lower Upper

43 100

58 28.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

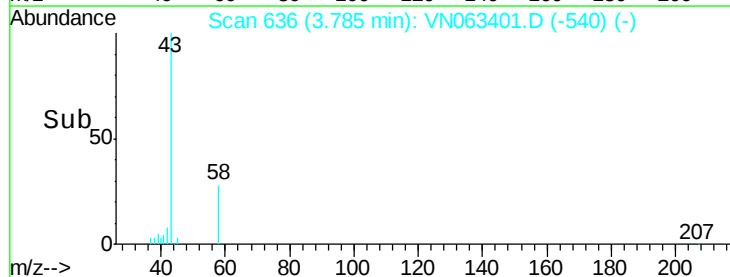
6000

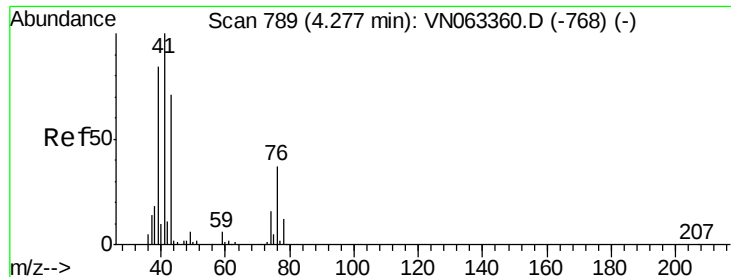
4000

2000

0

Time--> 3.70

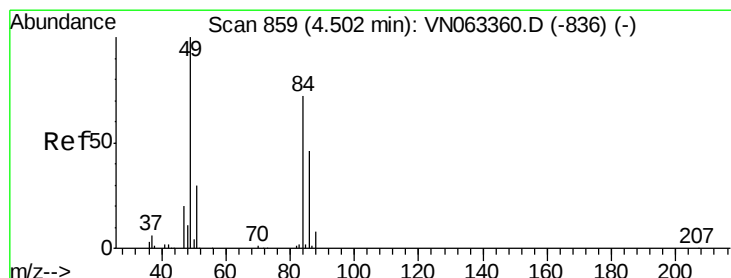
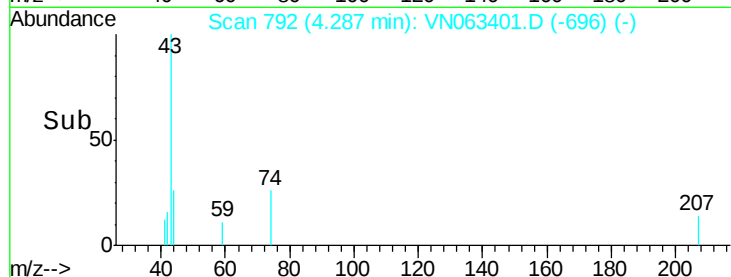
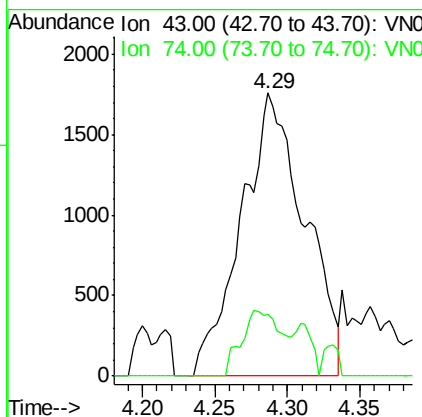
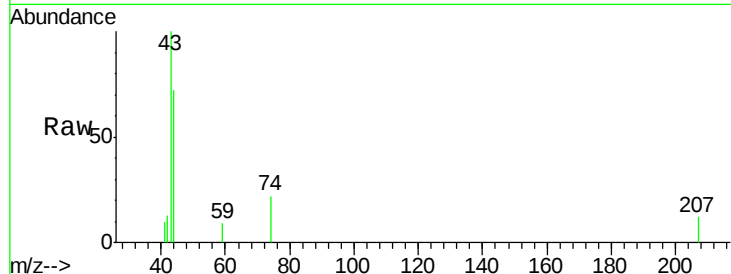




#18  
Methyl Acetate  
Concen: 1.680 ug/l  
RT: 4.29 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: VN063401.D  
Acq: 17 Sep 2020 6:39

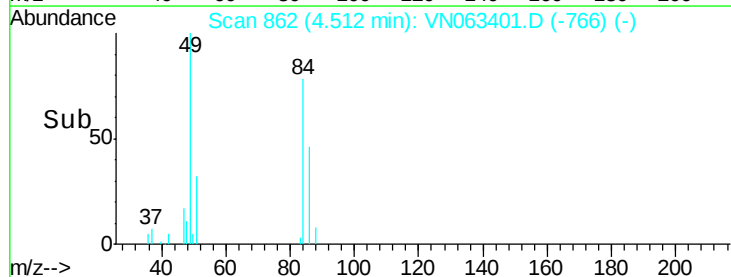
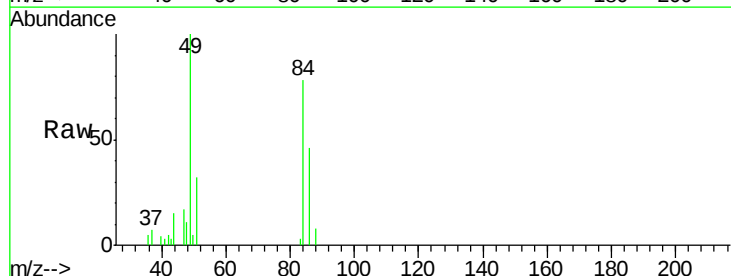
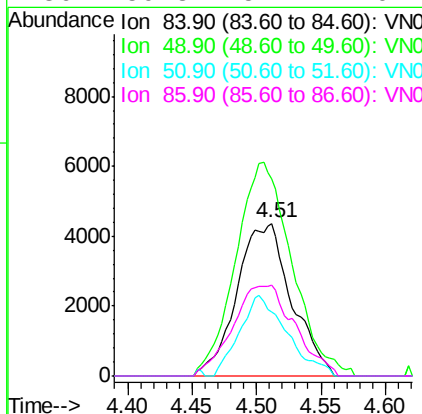
Instrument :  
MSVOA\_N  
ClientSampleId :  
REACTOR-6E-(C-4)

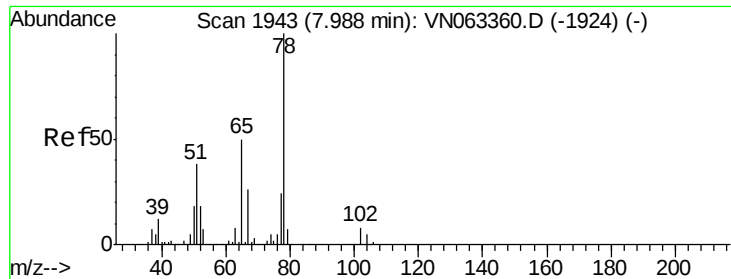
Tot Ion: 43 Resp: 5363  
Ion Ratio Lower Upper  
43 100  
74 14.7 17.4 26.2#



#20  
Methylene Chloride  
Concen: 4.037 ug/l  
RT: 4.51 min Scan# 862  
Delta R.T. 0.01 min  
Lab File: VN063401.D  
Acq: 17 Sep 2020 6:39

Tgt Ion: 84 Resp: 12858  
Ion Ratio Lower Upper  
84 100  
49 128.9 110.7 166.1  
51 41.5 32.9 49.3  
86 59.3 51.1 76.7

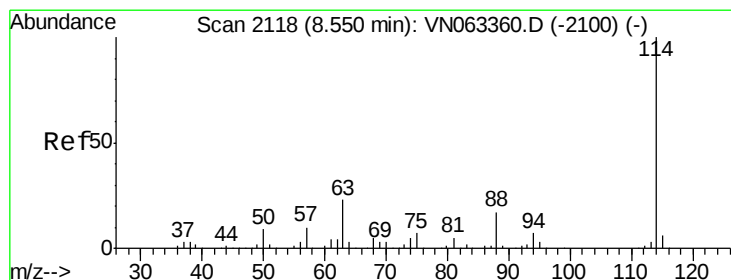
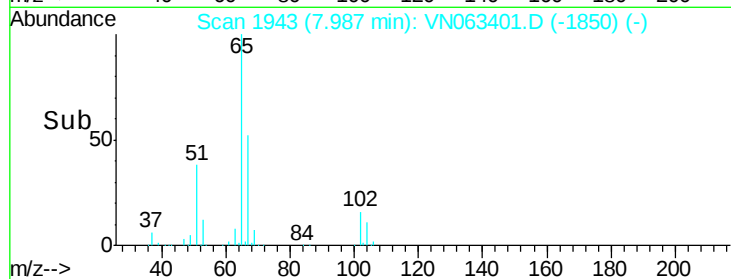
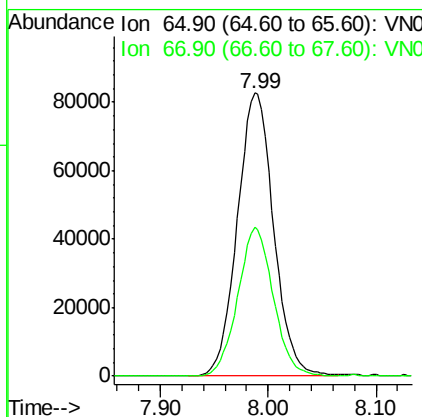
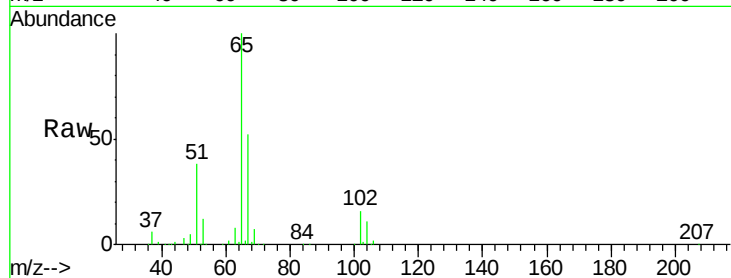




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.501 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN063401.D  
 Acq: 17 Sep 2020 6:39

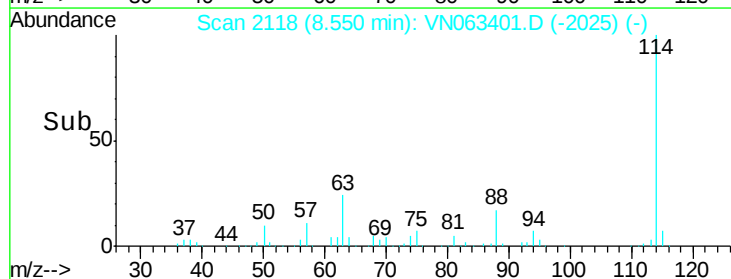
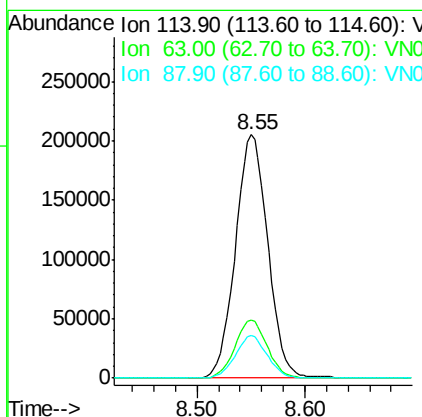
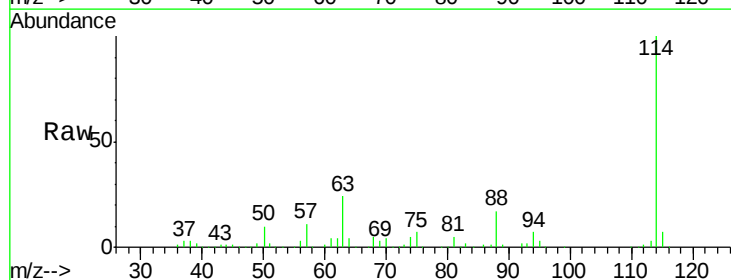
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-6E-(C-4)

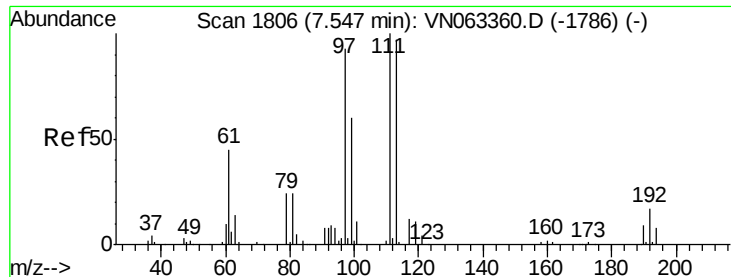
Tot Ion: 65 Resp: 193629  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063401.D  
 Acq: 17 Sep 2020 6:39

Tgt Ion: 114 Resp: 428251  
 Ion Ratio Lower Upper  
 114 100  
 63 24.1 0.0 46.4  
 88 17.3 0.0 33.2

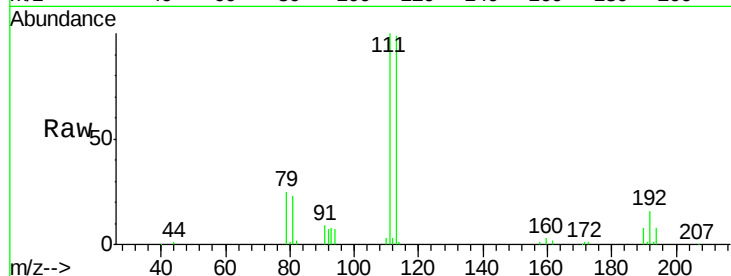




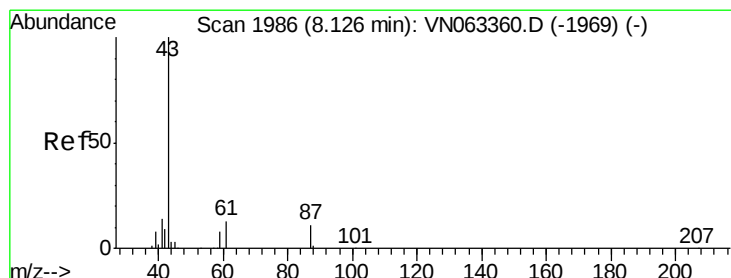
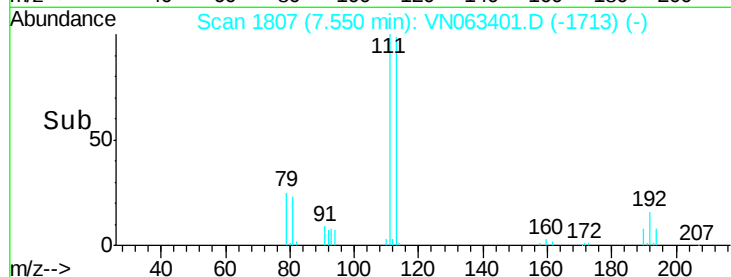
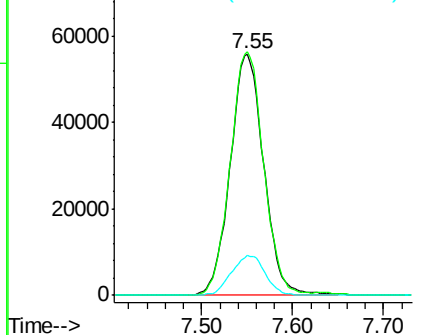
#35  
 Dibromofluoromethane  
 Concen: 48.142 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063401.D  
 Acq: 17 Sep 2020 6:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 REACTOR-6E-(C-4)

Tot Ion:113 Resp: 142727  
 Ion Ratio Lower Upper  
 113 100  
 111 100.3 82.9 124.3  
 192 16.5 13.9 20.9

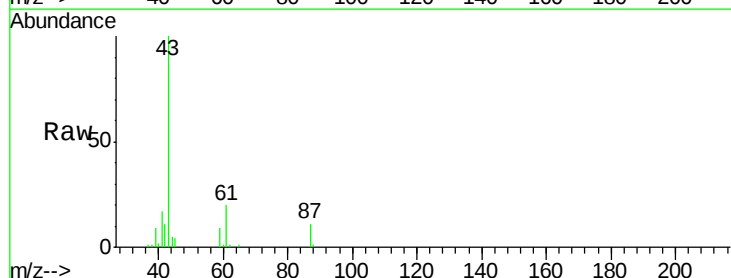


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

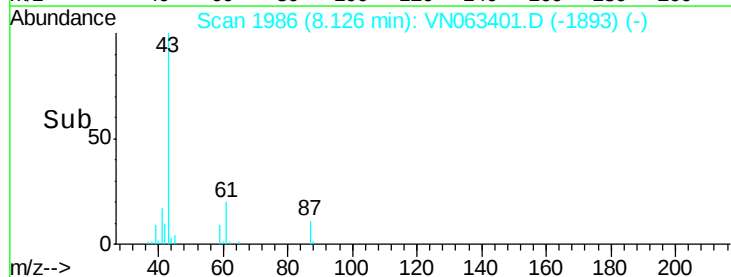
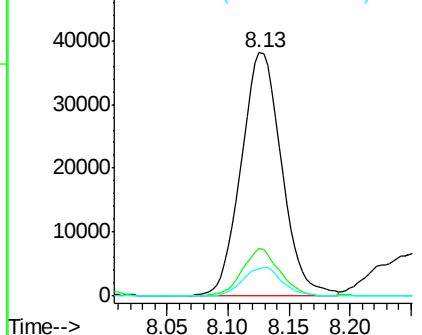


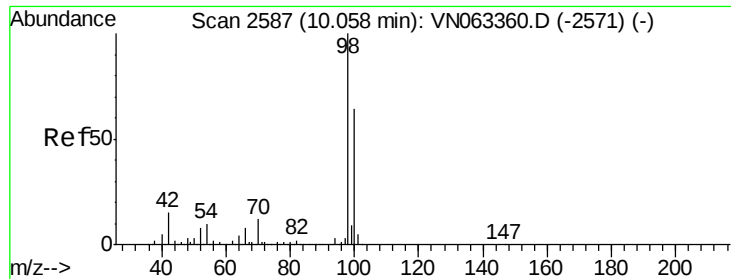
#43  
 Isopropyl Acetate  
 Concen: 10.940 ug/l  
 RT: 8.13 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VN063401.D  
 Acq: 17 Sep 2020 6:39

Tgt Ion: 43 Resp: 87594  
 Ion Ratio Lower Upper  
 43 100  
 61 17.9 14.2 21.2  
 87 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): V  
 Ion 61.00 (60.70 to 61.70): V  
 Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.300 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063401.D

Acq: 17 Sep 2020 6:39

Instrument :

MSVOA\_N

ClientSampleId :

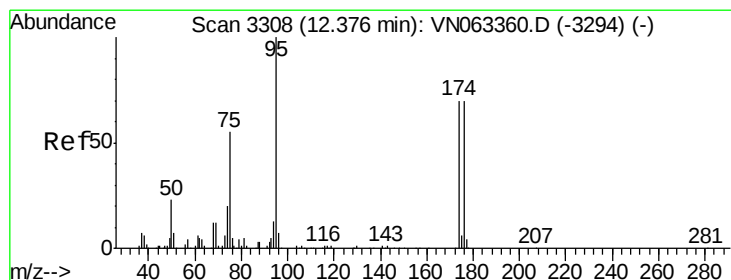
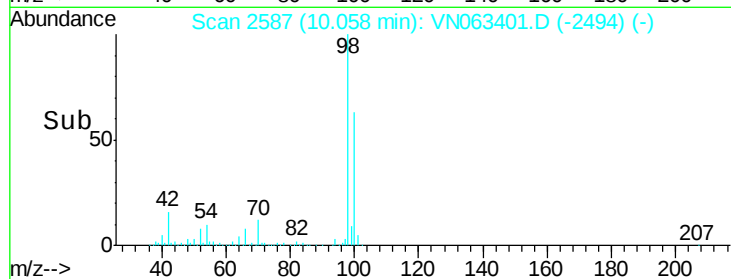
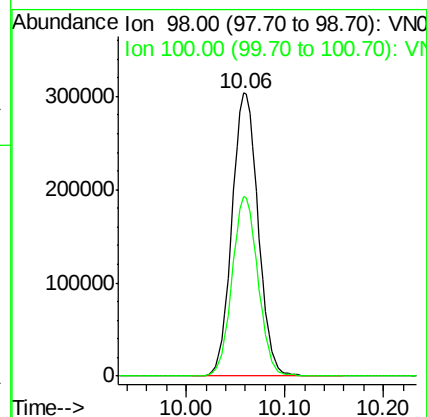
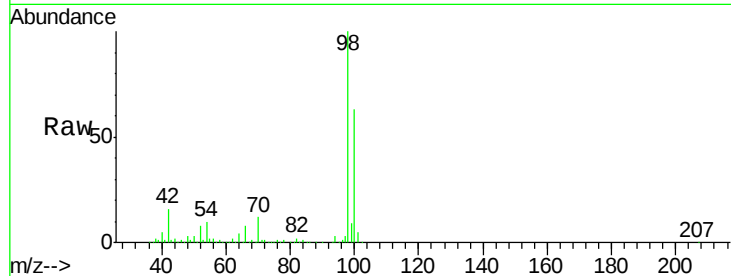
REACTOR-6E-(C-4)

Tot Ion: 98 Resp: 560735

Ion Ratio Lower Upper

98 100

100 62.8 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.678 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063401.D

Acq: 17 Sep 2020 6:39

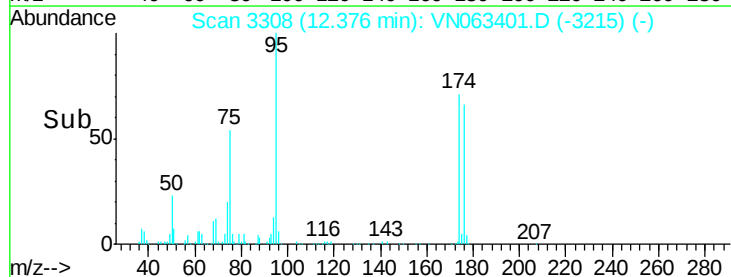
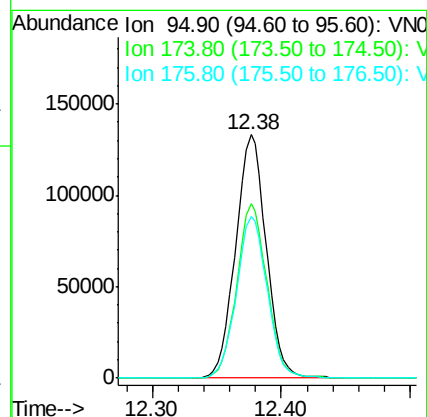
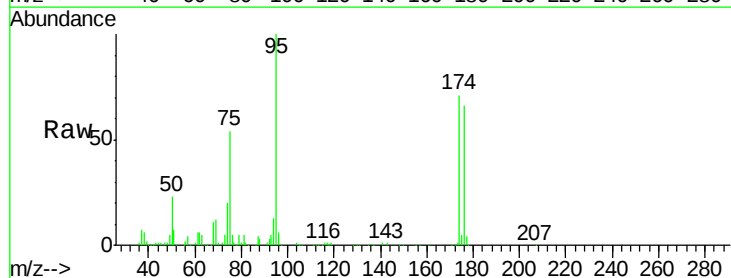
Tgt Ion: 95 Resp: 219361

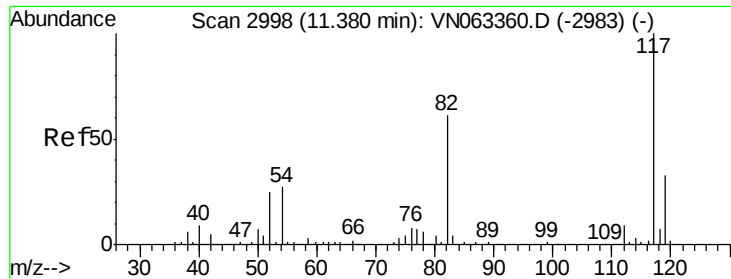
Ion Ratio Lower Upper

95 100

174 70.7 0.0 140.8

176 67.1 0.0 137.6

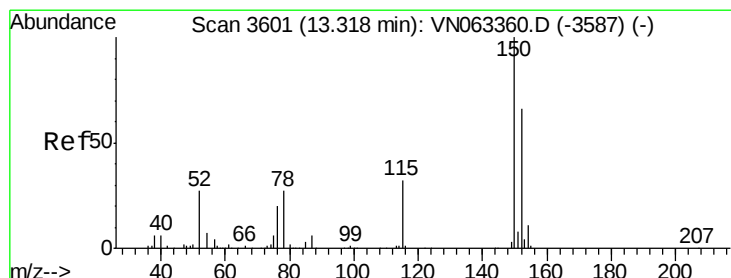
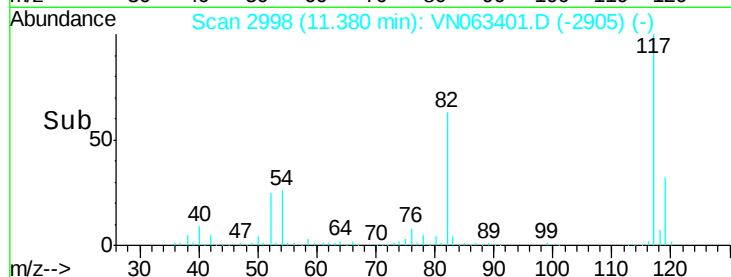
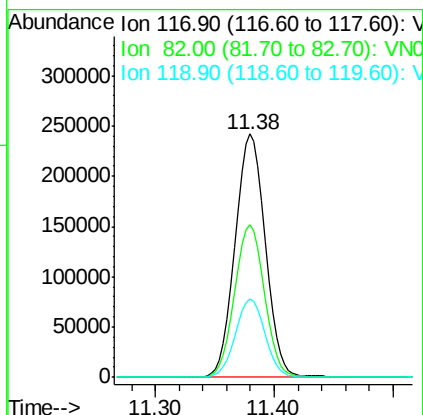
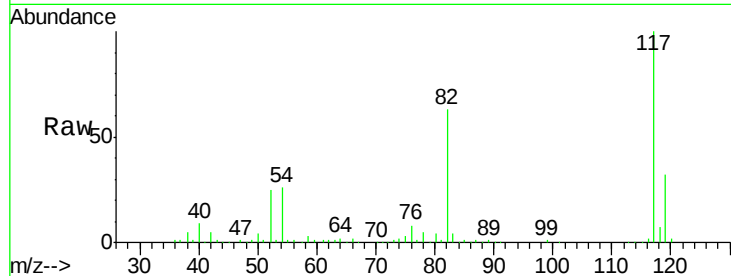




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063401.D  
Acq: 17 Sep 2020 6:39

Instrument :  
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REACTOR-6E-(C-4)

Tot Ion:117 Resp: 426555  
Ion Ratio Lower Upper  
117 100  
82 62.7 49.2 73.8  
119 32.1 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063401.D  
Acq: 17 Sep 2020 6:39

Tgt Ion:152 Resp: 180971  
Ion Ratio Lower Upper  
152 100  
115 63.4 32.2 96.6  
150 157.9 0.0 343.4

