

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
 Data File : VN057905.D  
 Acq On : 11 Sep 2019 7:44  
 Operator : JC/SP  
 Sample : K4624-18  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PAR-11-E3-(4)

Quant Time: Sep 11 11:11:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

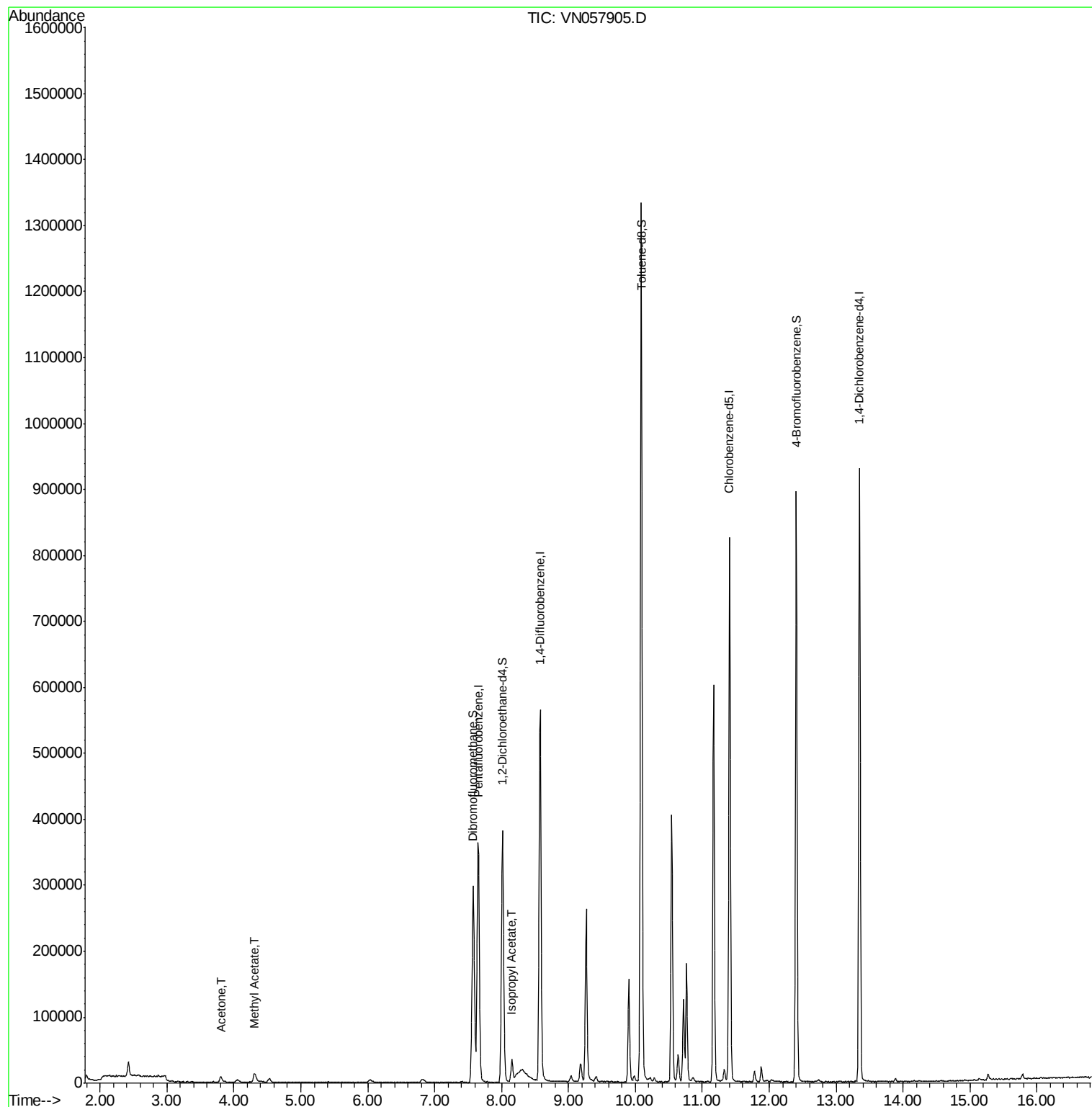
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 284684   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 494934   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 448216   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 232977   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 327864   | 56.86 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.72% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 222982   | 48.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.62%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 918951   | 51.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.62% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 301943   | 44.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.34%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 14869    | 7.866 | ug/l    | 94       |
| 18) Methyl Acetate          | 4.30  | 43   | 25628    | 5.085 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 40481    | 4.059 | ug/l #  | 90       |

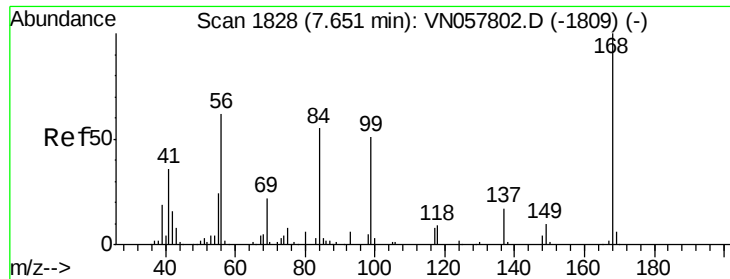
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091119\  
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PAR-11-E3-(4)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057905.D

Acq: 11 Sep 2019 7:44

Instrument :

MSVOA\_N

ClientSampleId :

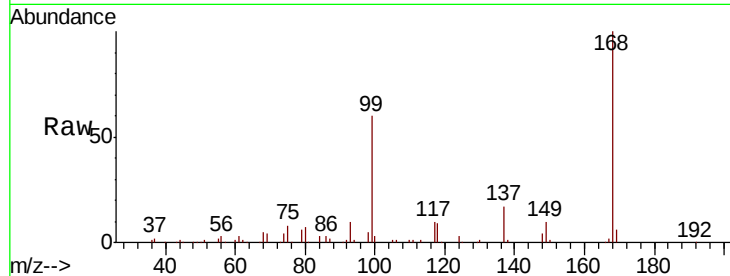
PAR-11-E3-(4)

Tot Ion:168 Resp: 284684

Ion Ratio Lower Upper

168 100

99 60.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

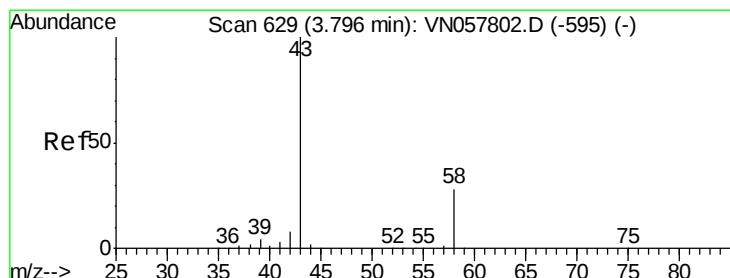
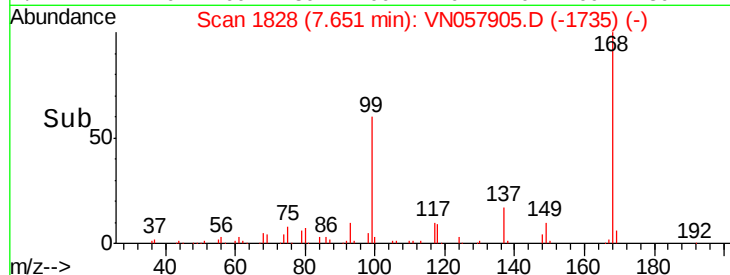
7.65

100000

50000

0

Time-->



#16

Acetone

Concen: 7.866 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057905.D

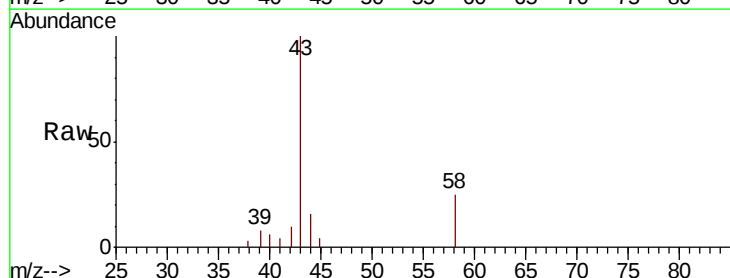
Acq: 11 Sep 2019 7:44

Tgt Ion: 43 Resp: 14869

Ion Ratio Lower Upper

43 100

58 24.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

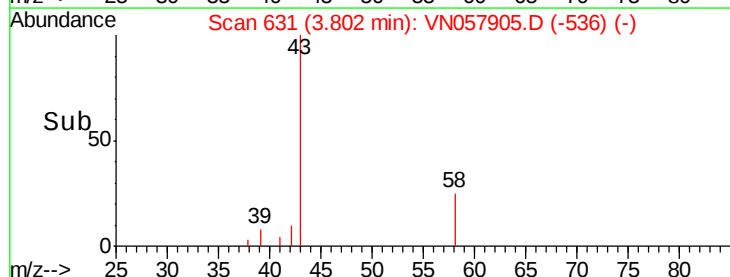
6000

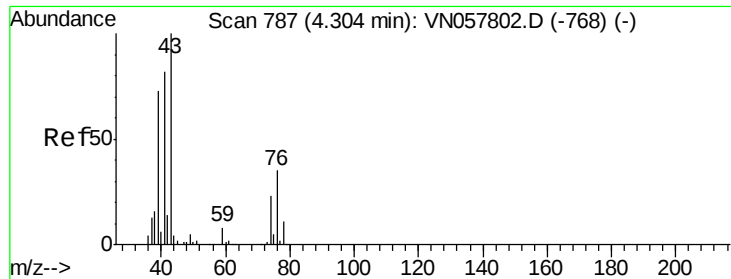
4000

2000

0

Time-->

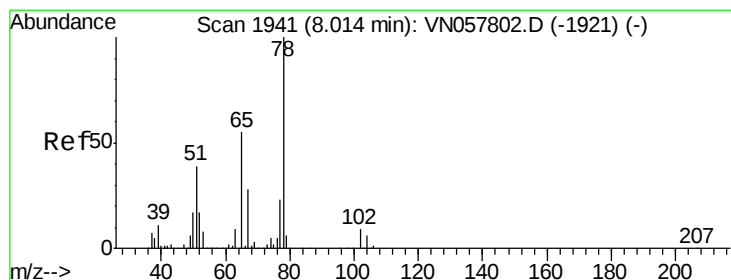
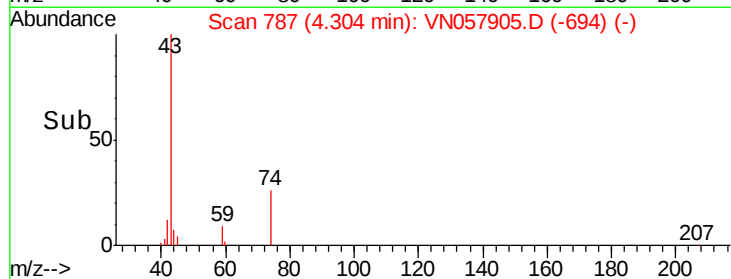
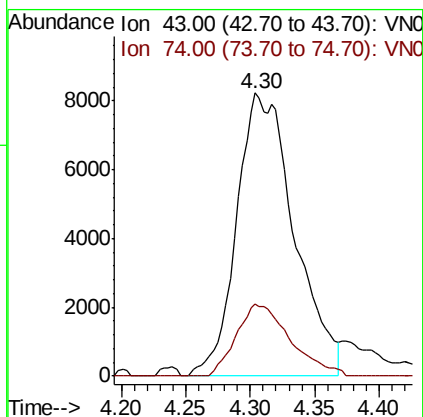
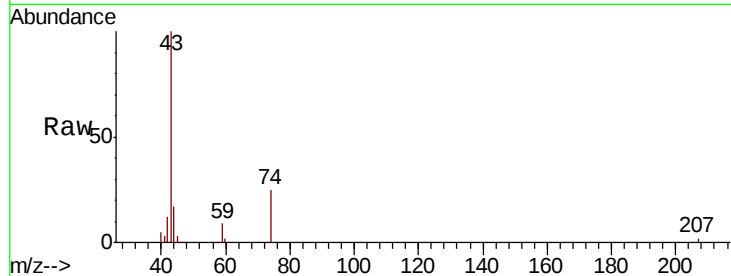




#18  
Methyl Acetate  
Concen: 5.085 ug/l  
RT: 4.30 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: VN057905.D  
Acq: 11 Sep 2019 7:44

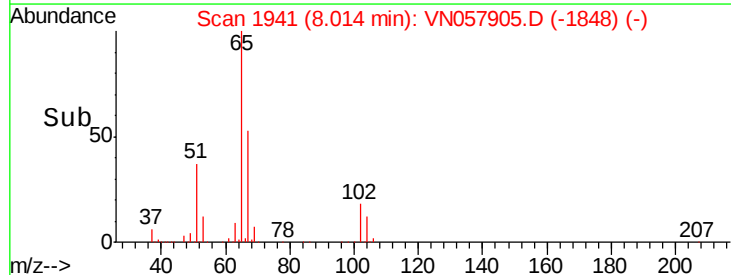
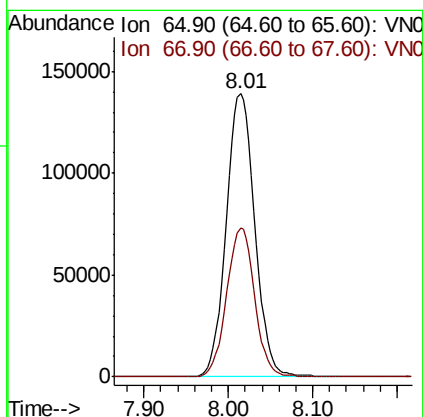
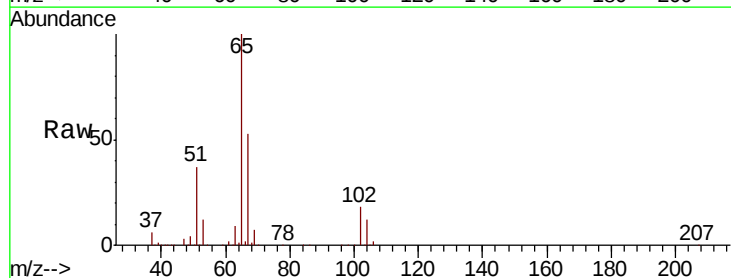
Instrument :  
MSVOA\_N  
ClientSampleId :  
PAR-11-E3-(4)

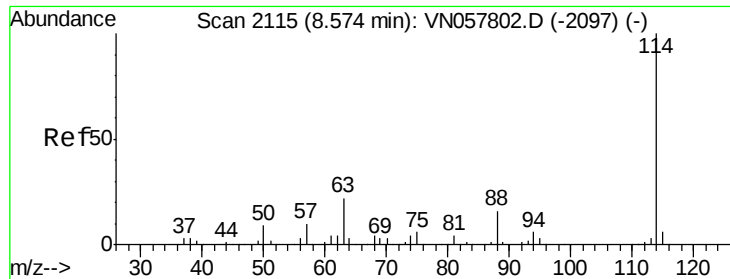
Tot Ion: 43 Resp: 25628  
Ion Ratio Lower Upper  
43 100  
74 23.9 17.9 26.9



#33  
1,2-Dichloroethane-d4  
Concen: 56.861 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: VN057905.D  
Acq: 11 Sep 2019 7:44

Tgt Ion: 65 Resp: 327864  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.0

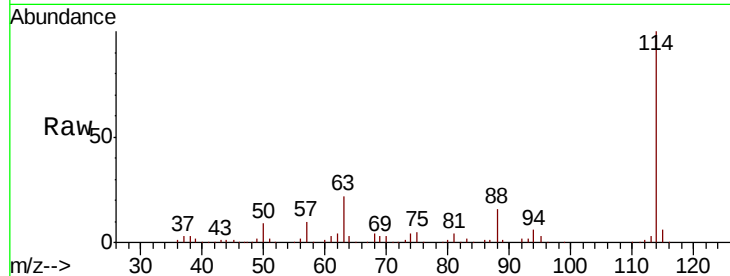




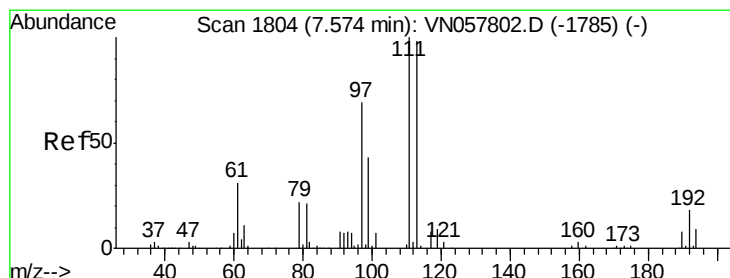
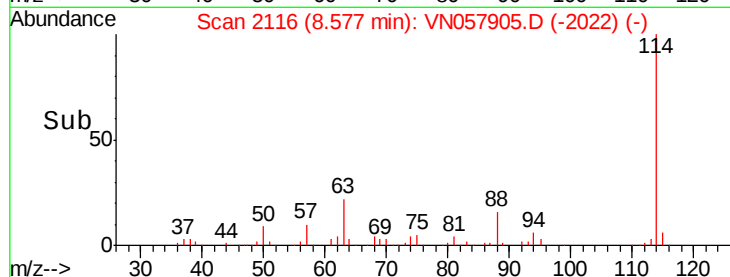
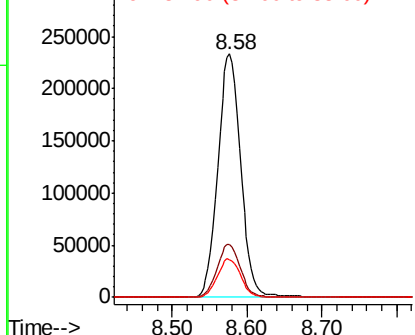
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.58 min Scan# 2116  
Delta R.T. 0.00 min  
Lab File: VN057905.D  
Acq: 11 Sep 2019 7:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
PAR-11-E3-(4)

Tot Ion:114 Resp: 494934  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 44.0  
88 15.6 0.0 31.4

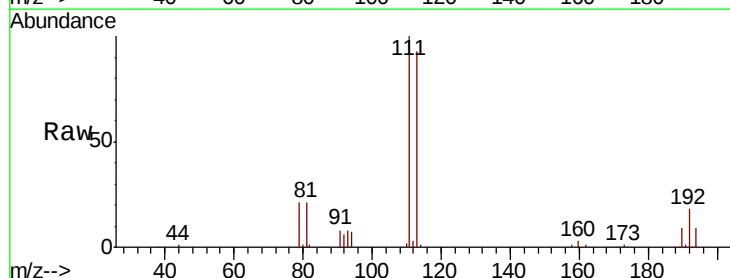


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

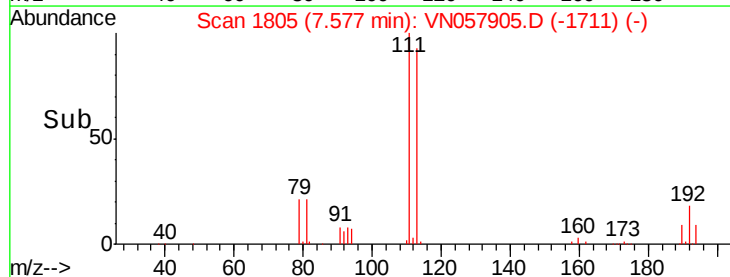
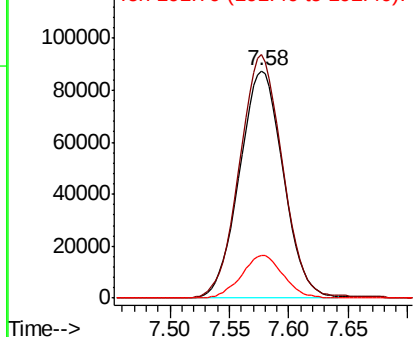


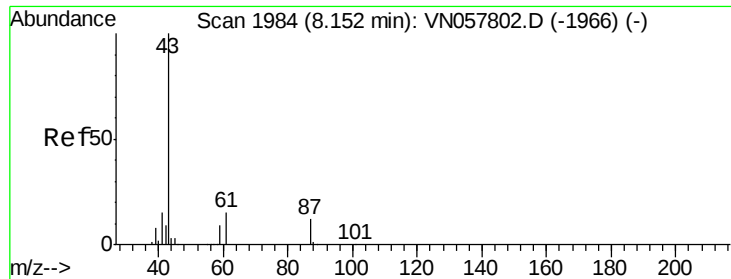
#35  
Dibromofluoromethane  
Concen: 48.813 ug/l  
RT: 7.58 min Scan# 1805  
Delta R.T. 0.00 min  
Lab File: VN057905.D  
Acq: 11 Sep 2019 7:44

Tgt Ion:113 Resp: 222982  
Ion Ratio Lower Upper  
113 100  
111 105.5 81.3 121.9  
192 18.1 14.6 22.0



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: 4.059 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057905.D

Acq: 11 Sep 2019 7:44

Instrument :

MSVOA\_N

ClientSampleId :

PAR-11-E3-(4)

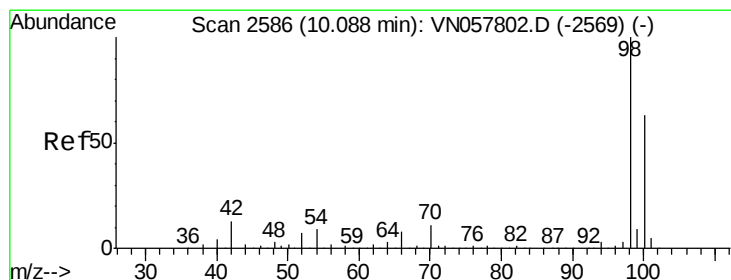
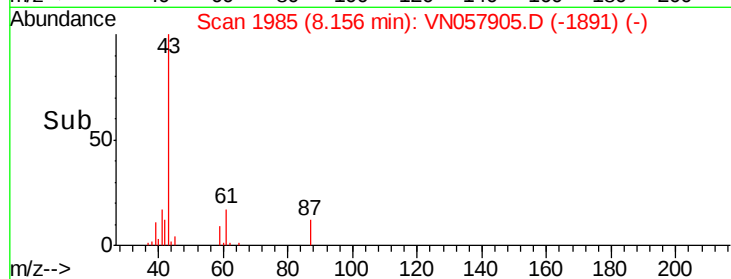
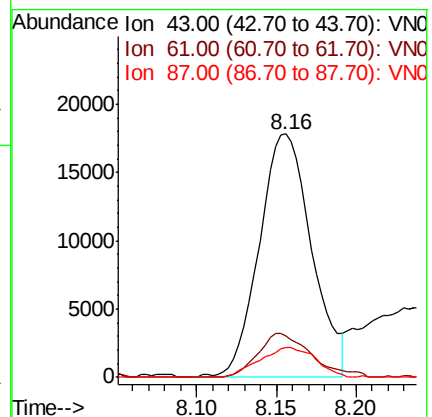
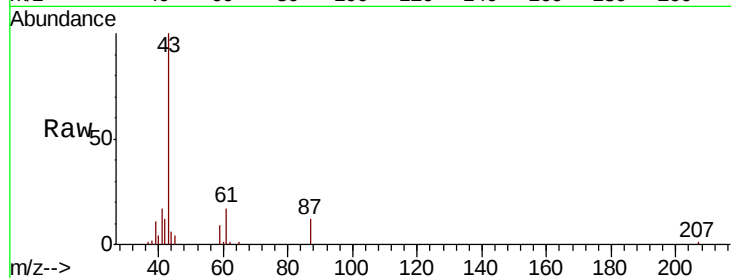
Tot Ion: 43 Resp: 40481

Ion Ratio Lower Upper

43 100

61 18.2 20.1 30.1#

87 13.1 9.5 14.3



#50

Toluene-d8

Concen: 51.814 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057905.D

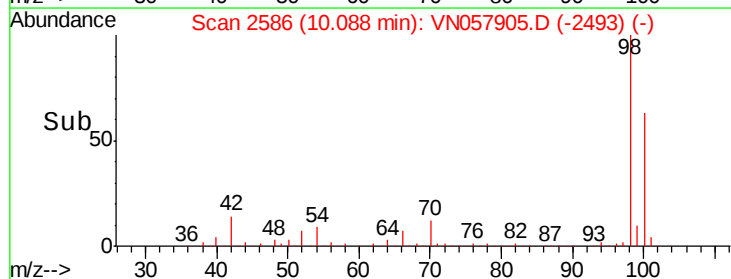
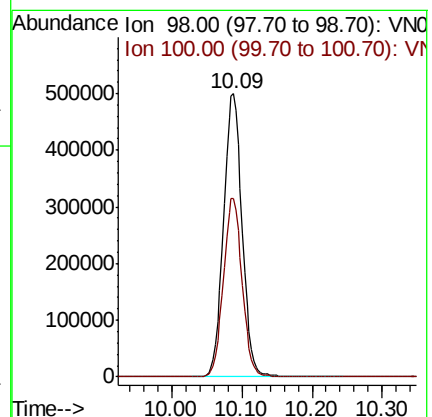
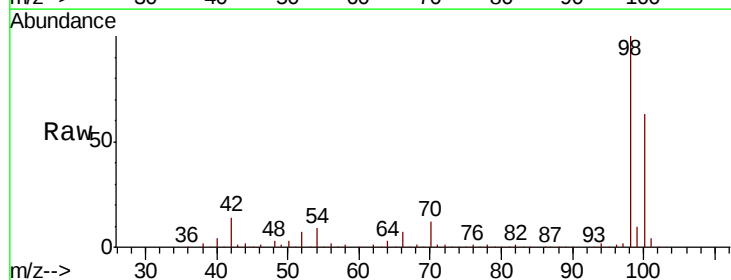
Acq: 11 Sep 2019 7:44

Tgt Ion: 98 Resp: 918951

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5

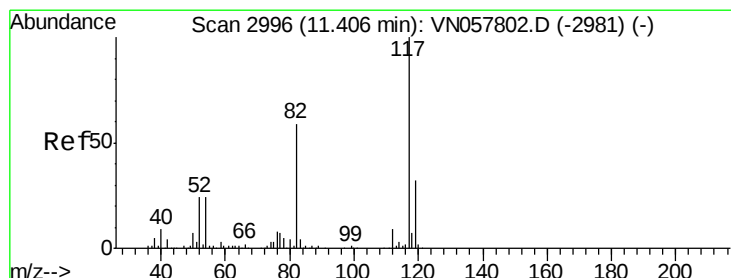
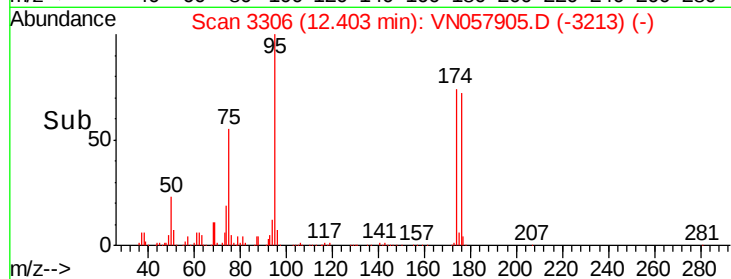
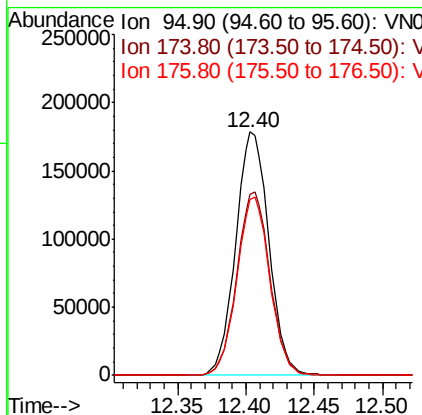
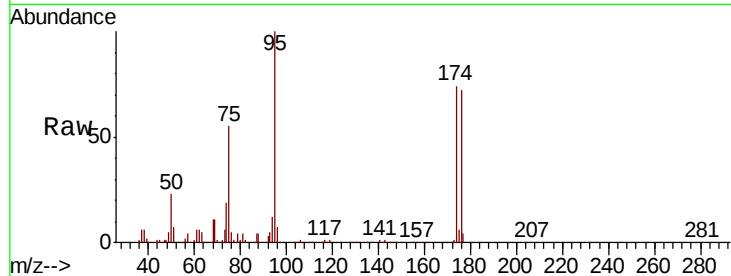




#62  
4-Bromofluorobenzene  
Concen: 44.674 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057905.D  
Acq: 11 Sep 2019 7:44

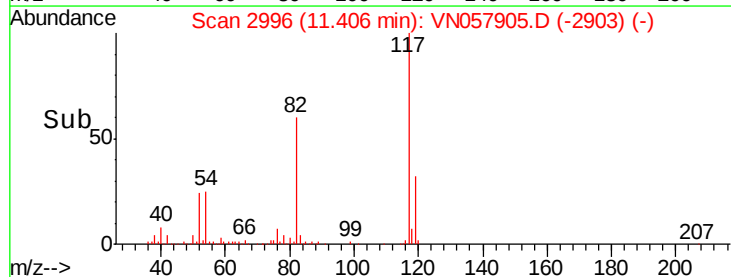
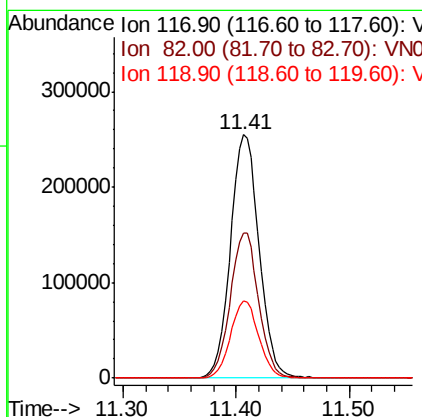
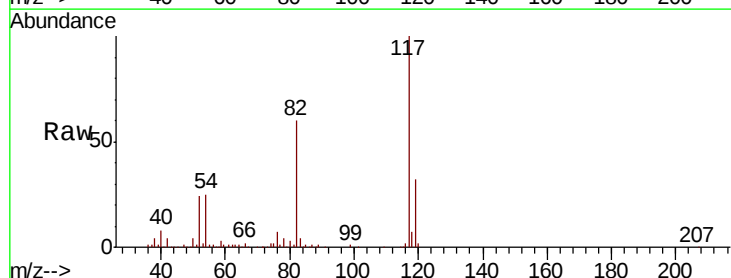
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PAR-11-E3-(4)

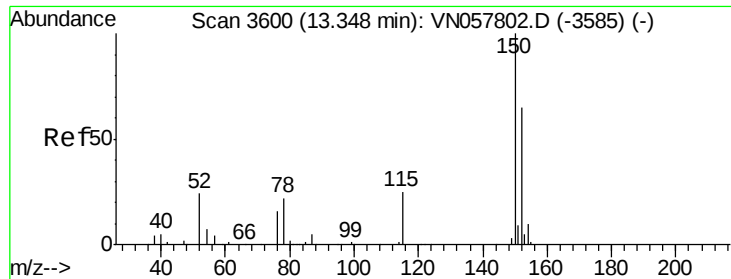
Tot Ion: 95 Resp: 301943  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 150.2  
176 72.6 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057905.D  
Acq: 11 Sep 2019 7:44

Tgt Ion: 117 Resp: 448216  
Ion Ratio Lower Upper  
117 100  
82 59.7 47.2 70.8  
119 31.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057905.D

Acq: 11 Sep 2019 7:44

Instrument :

MSVOA\_N

ClientSampleId :

PAR-11-E3-(4)

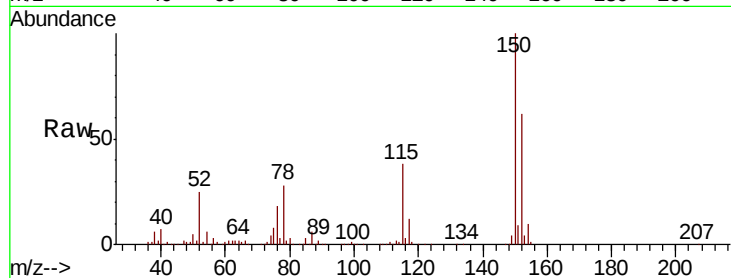
Tot Ion:152 Resp: 232977

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

150 157.6 0.0 352.4



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

