

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\  
 Data File : VN054583.D  
 Acq On : 23 Mar 2019 3:43  
 Operator : JC/SP  
 Sample : K2045-09  
 Misc : 6.08g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WP022SB438-190318-(25-27)

Quant Time: Mar 23 05:26:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

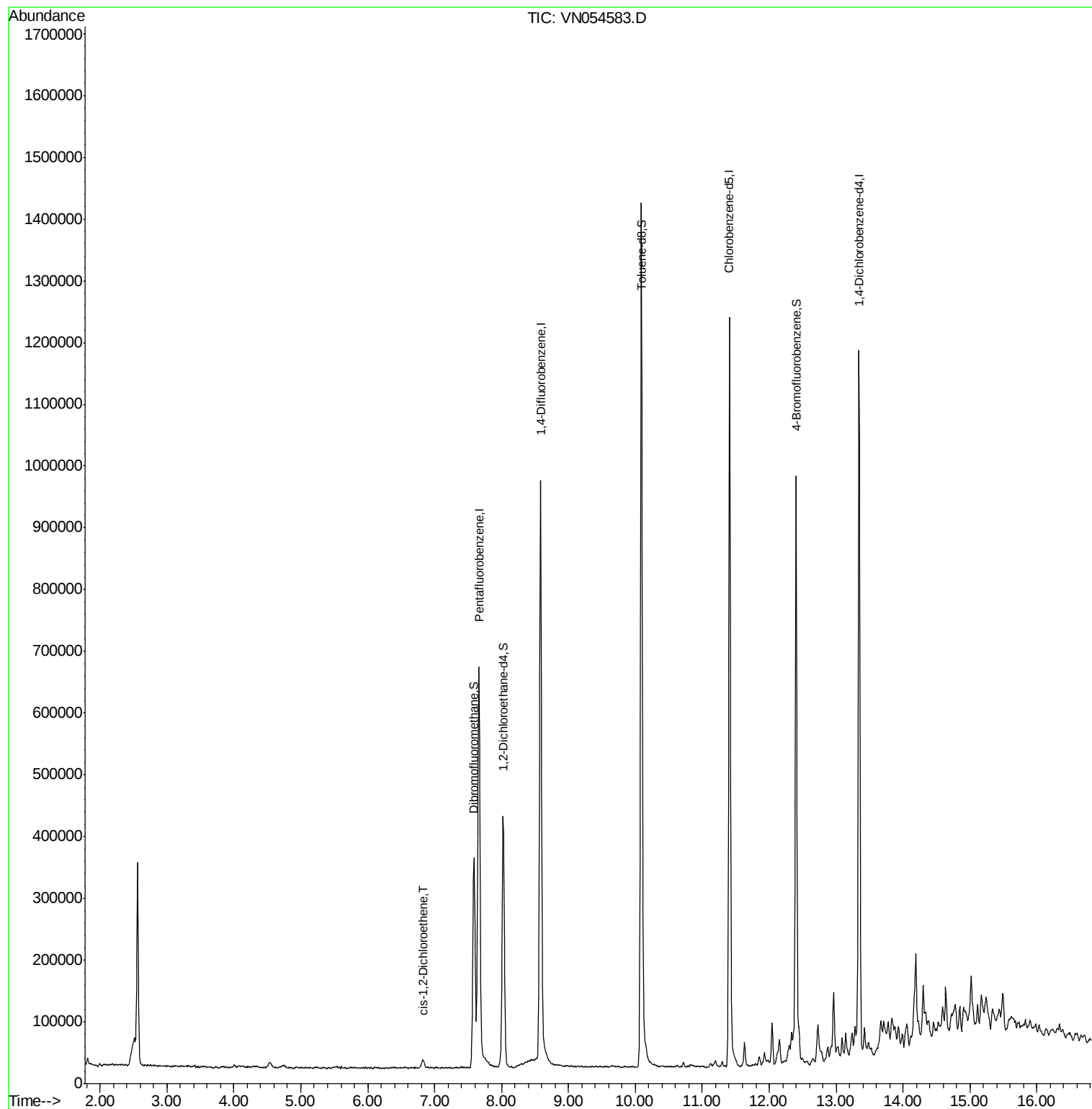
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 539328   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 850282   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 716958   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 290789   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 347598   | 51.82 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.64% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 254145   | 46.39 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.78%  |           |
| 50) Toluene-d8              | 10.09 | 98   | 1028653  | 49.95 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.90%  |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 325976   | 46.52 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.04%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 6.82  | 96   | 7171     | 1.132 | ug/l    | Qvalue 92 |

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

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Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

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MSVOA\_N

ClientSampleId :

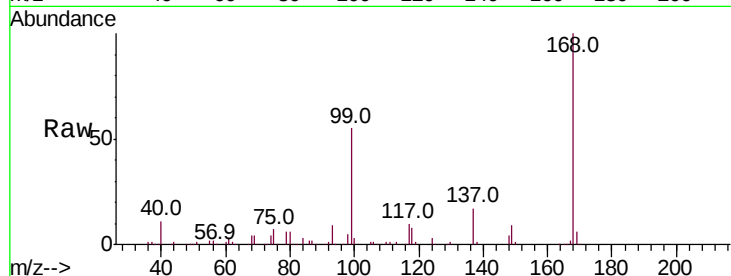
WP022SB438-190318-(25-27)

Tot Ion:168 Resp: 539328

Ion Ratio Lower Upper

168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

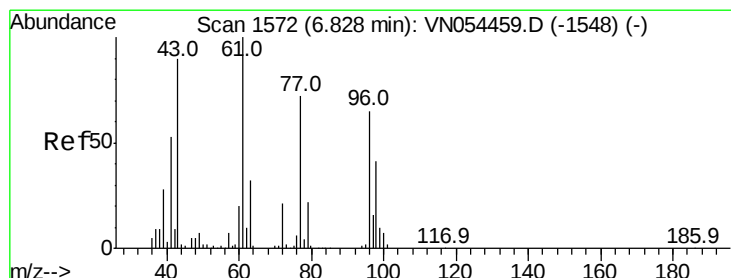
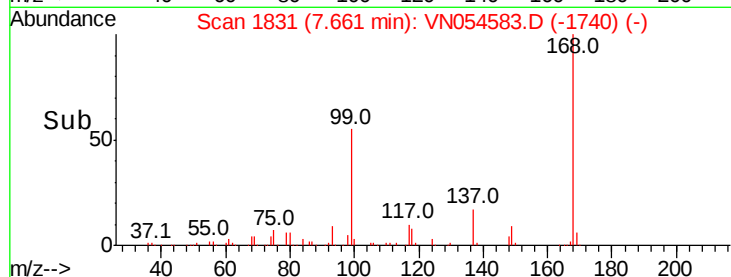
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.132 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

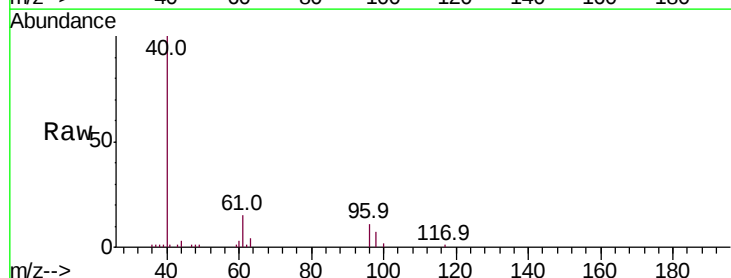
Tgt Ion: 96 Resp: 7171

Ion Ratio Lower Upper

96 100

61 149.0 0.0 273.0

98 66.9 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

5000

4000

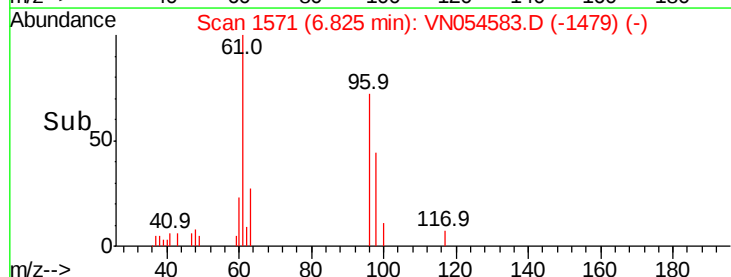
3000

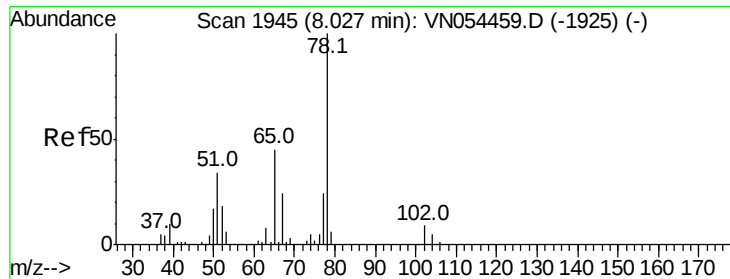
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.816 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

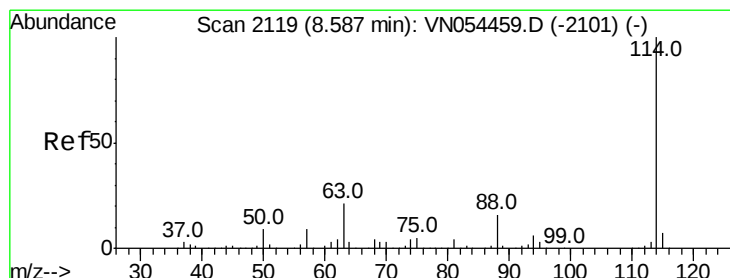
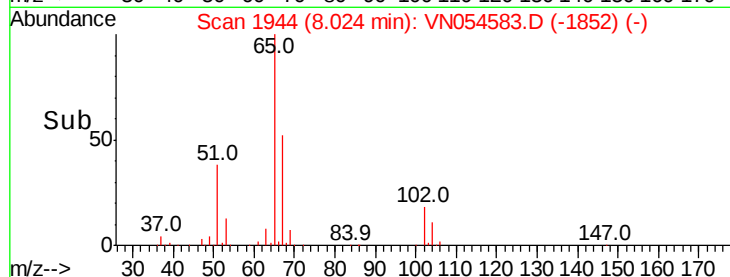
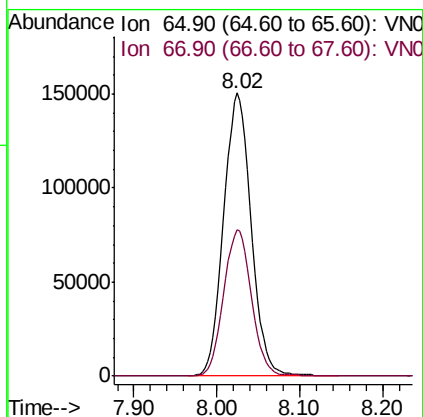
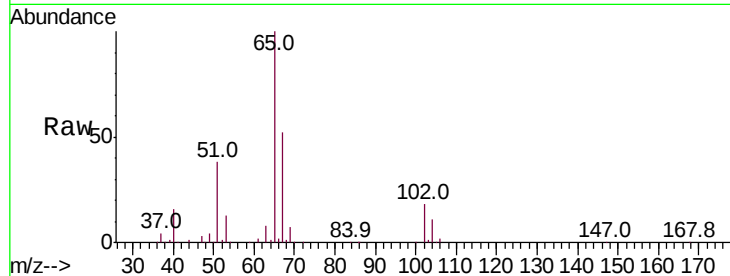
Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
WP022SB438-190318-(25-27)

Tot Ion: 65 Resp: 347598

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.0  | 0.0   | 104.6 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

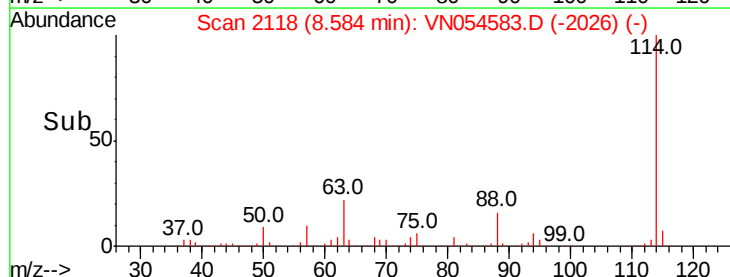
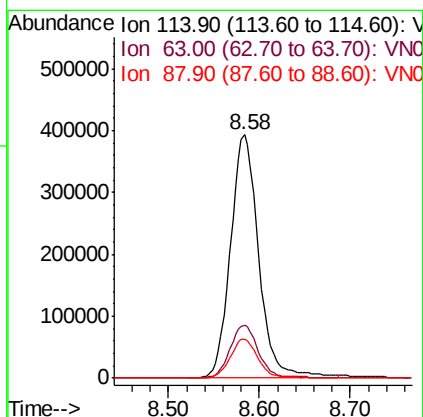
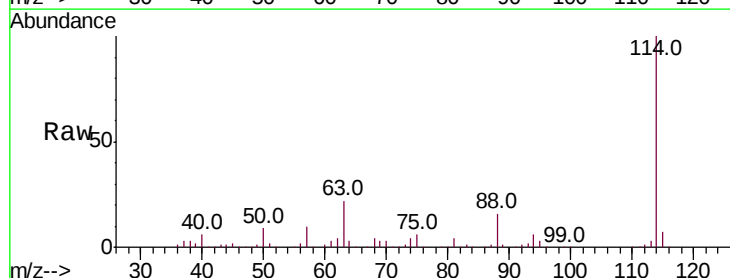
Delta R.T. -0.00 min

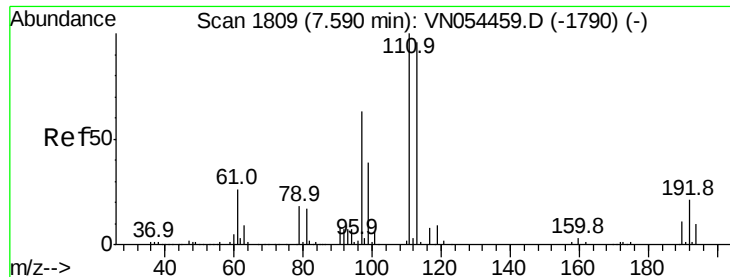
Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Tgt Ion: 114 Resp: 850282

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.7  | 0.0   | 35.2  |
| 88  | 15.9  | 0.0   | 30.2  |

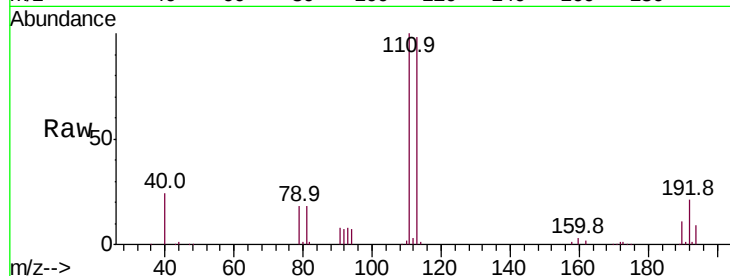




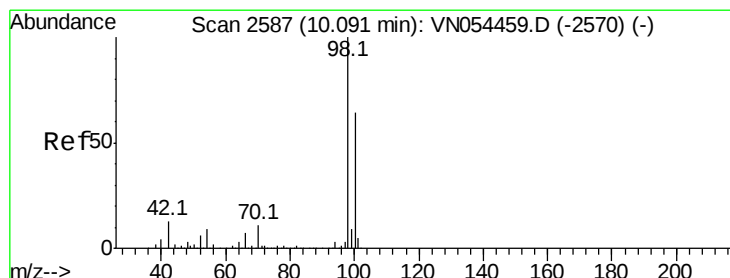
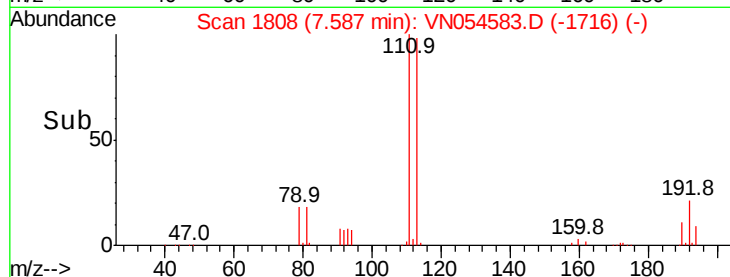
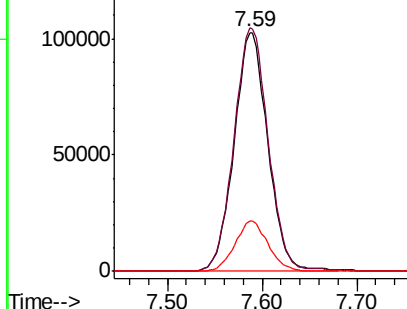
#35  
 Dibromofluoromethane  
 Concen: 46.394 ug/l  
 RT: 7.59 min Scan# 1808  
 Delta R.T. -0.00 min  
 Lab File: VN054583.D  
 Acq: 23 Mar 2019 3:43

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Tot Ion:113 Resp: 254145  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 82.2 123.4  
 192 20.7 19.2 28.8

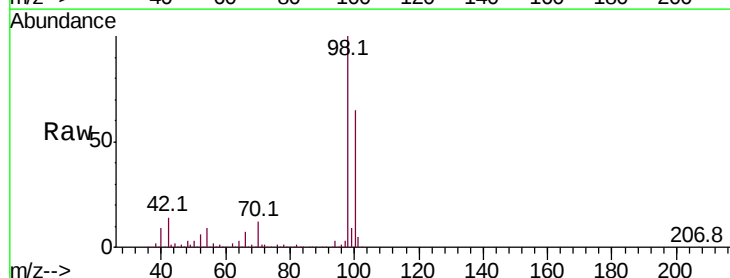


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

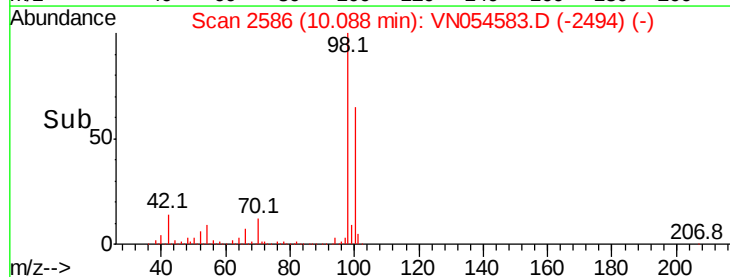
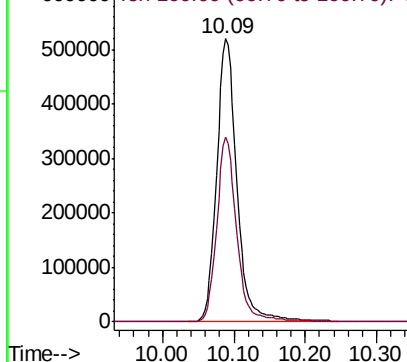


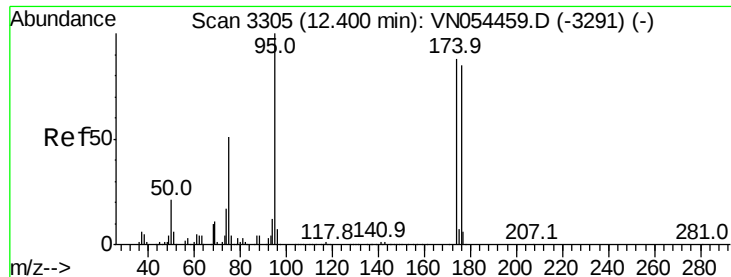
#50  
 Toluene-d8  
 Concen: 49.950 ug/l  
 RT: 10.09 min Scan# 2586  
 Delta R.T. -0.00 min  
 Lab File: VN054583.D  
 Acq: 23 Mar 2019 3:43

Tgt Ion: 98 Resp: 1028653  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V  
 Ion 100.00 (99.70 to 100.70): V

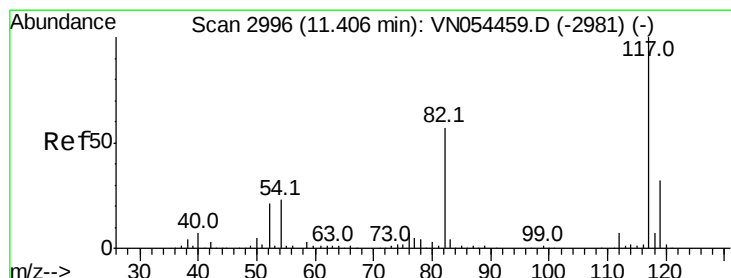
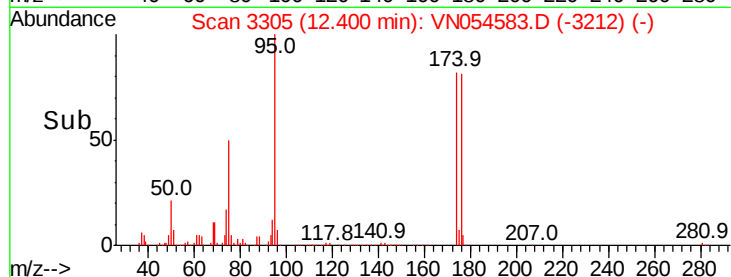
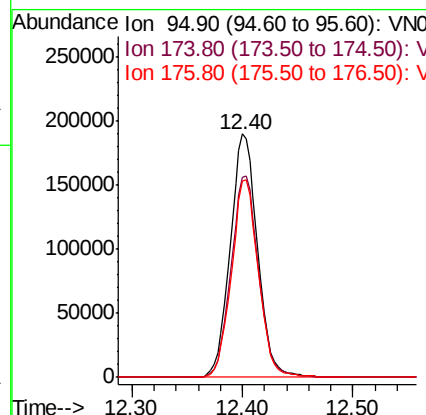
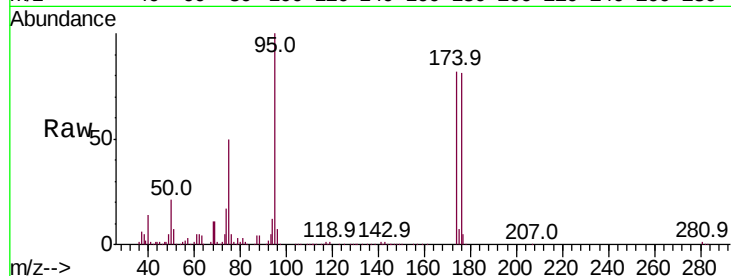




#62  
4-Bromofluorobenzene  
Concen: 46.517 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054583.D  
Acq: 23 Mar 2019 3:43

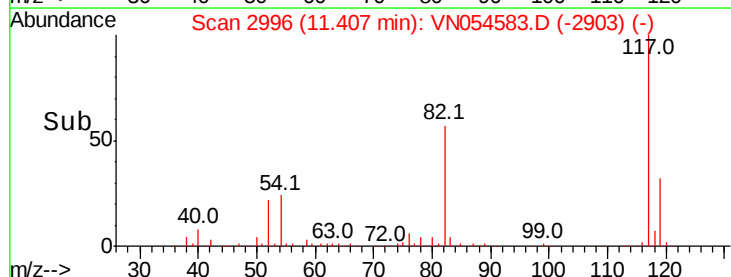
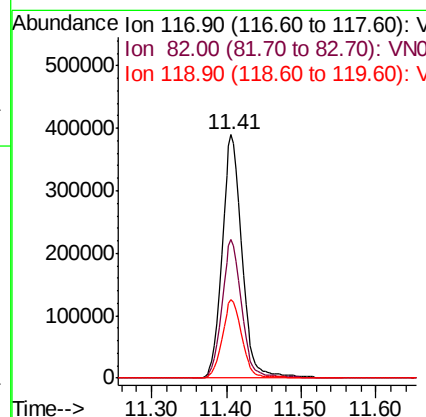
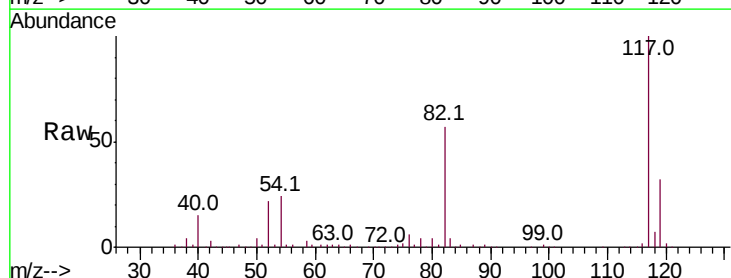
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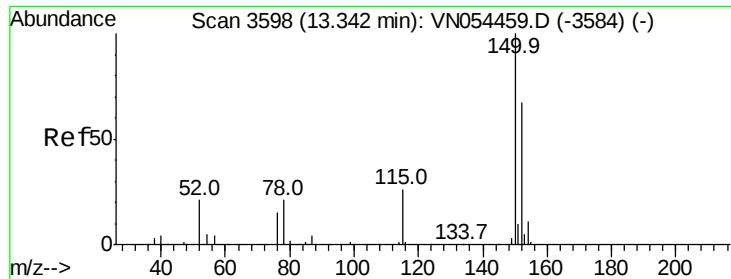
Tot Ion: 95 Resp: 325976  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 191.0  
176 80.4 0.0 187.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054583.D  
Acq: 23 Mar 2019 3:43

Tgt Ion: 117 Resp: 716958  
Ion Ratio Lower Upper  
117 100  
82 57.0 40.0 60.0  
119 32.2 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: VN054583.D

Acq: 23 Mar 2019 3:43

Instrument :

MSVOA\_N

ClientSampleId :

WP022SB438-190318-(25-27)

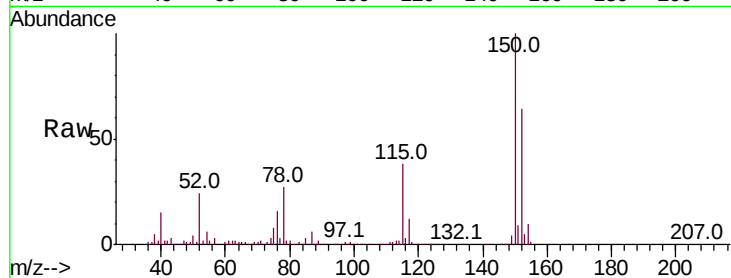
Tot Ion:152 Resp: 290789

Ion Ratio Lower Upper

152 100

115 59.2 27.2 81.6

150 158.2 0.0 349.2



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

