

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\  
 Data File : VN058539.D  
 Acq On : 4 Oct 2019 14:41  
 Operator : JC/SP  
 Sample : K5176-19 100X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30459-61

Quant Time: Oct 05 02:23:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092719W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 30 08:07:38 2019  
 Response via : Initial Calibration

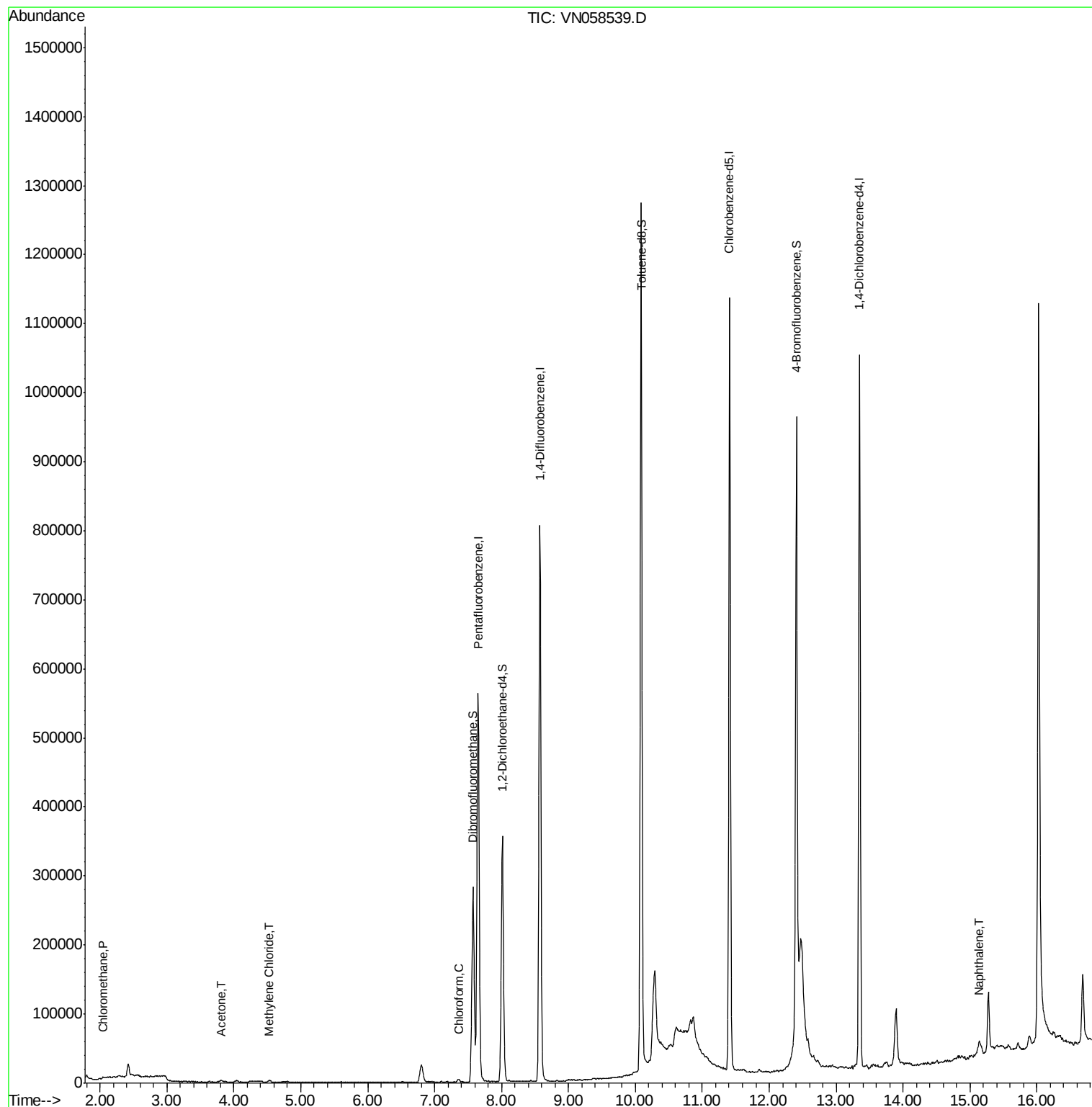
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 438907   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 698208   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 614592   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 257109   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 308194   | 48.05 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.10%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 211612   | 49.45 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.90%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 863286   | 51.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.00% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 286886   | 47.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.66%  |          |
| Target Compounds            |       |      |          |       |         |          |
|                             |       |      |          |       | Qvalue  |          |
| 3) Chloromethane            | 2.04  | 50   | 2111     | 0.399 | ug/l    | 100      |
| 16) Acetone                 | 3.81  | 43   | 2876     | 1.315 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.54  | 84   | 1870     | 0.371 | ug/l #  | 80       |
| 30) Chloroform              | 7.35  | 83   | 4683     | 0.506 | ug/l    | 88       |
| 95) Naphthalene             | 15.14 | 128  | 4008     | 0.290 | ug/l #  | 87       |

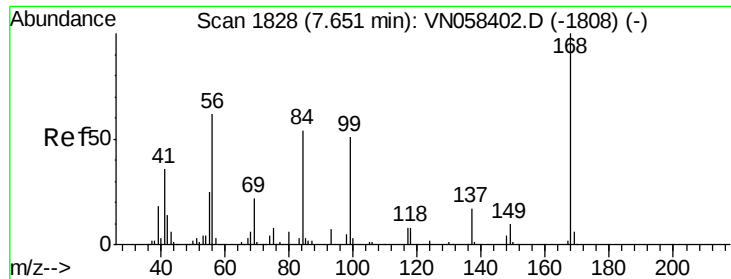
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\  
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Quant Title : SW846 8260  
QLast Update : Mon Sep 30 08:07:38 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: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA\_N

ClientSampleId :

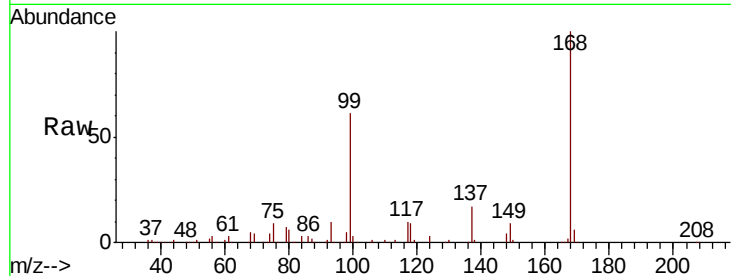
30459-61

Tot Ion:168 Resp: 438907

Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058539.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058539.D (-1735) (-)

7.65

200000

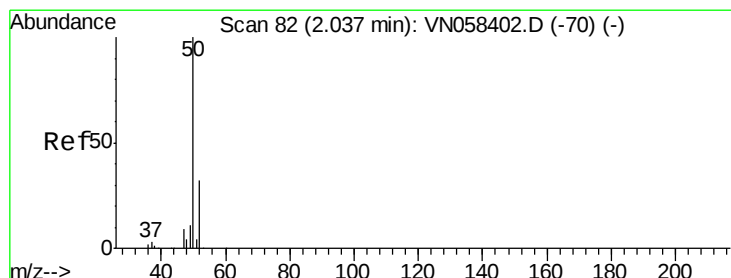
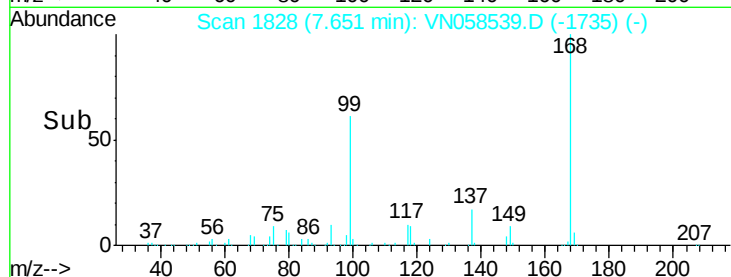
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.399 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058539.D

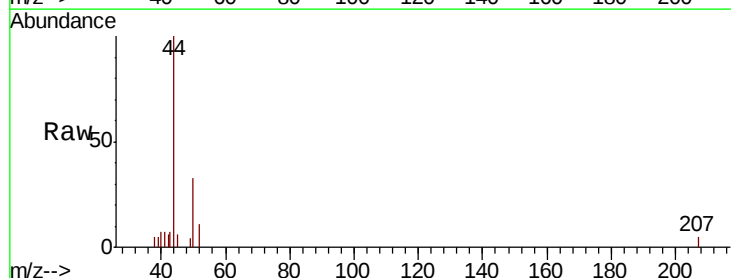
Acq: 4 Oct 2019 14:41

Tgt Ion: 50 Resp: 2111

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN058539.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058539.D (-1) (-)

2.04

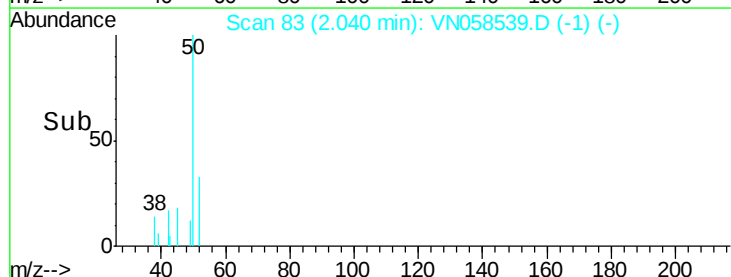
1500

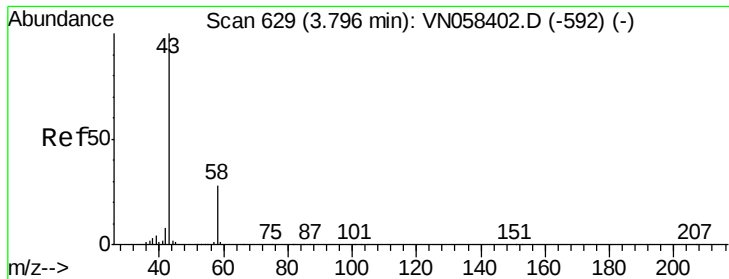
1000

500

0

Time-->





#16

Acetone

Concen: 1.315 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA\_N

ClientSampleId :

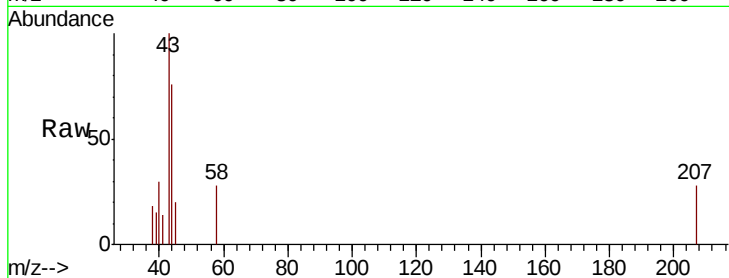
30459-61

Tot Ion: 43 Resp: 2876

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

1200

1000

800

600

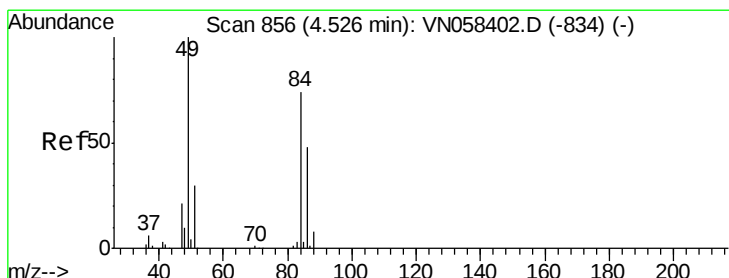
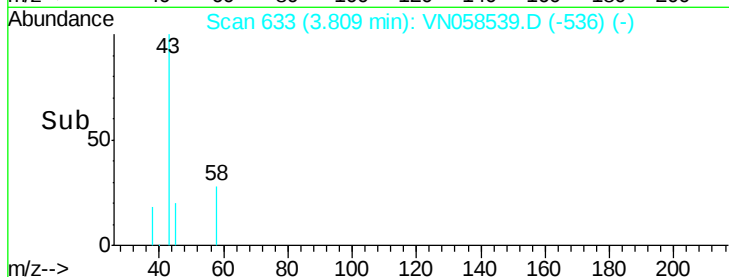
400

200

0

Time-->

3.75 3.80 3.85



#20

Methylene Chloride

Concen: 0.371 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.01 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Tgt Ion: 84 Resp: 1870

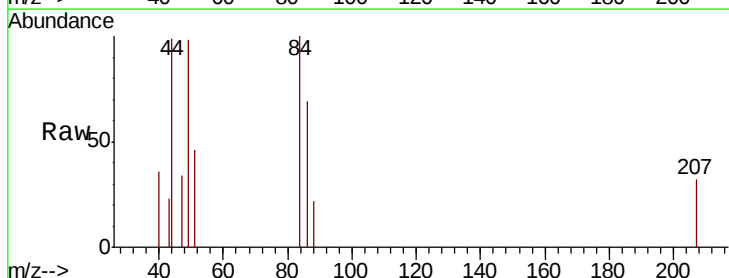
Ion Ratio Lower Upper

84 100

49 98.4 107.9 161.9#

51 46.1 32.8 49.2

86 68.8 51.5 77.3



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

1500

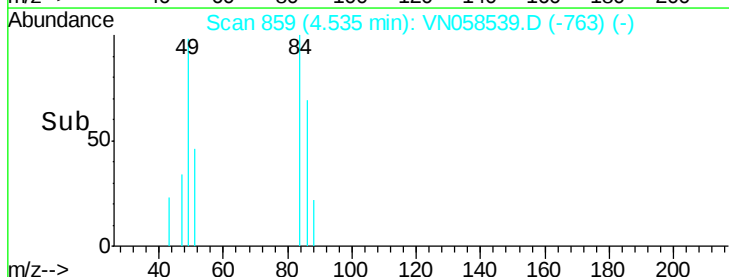
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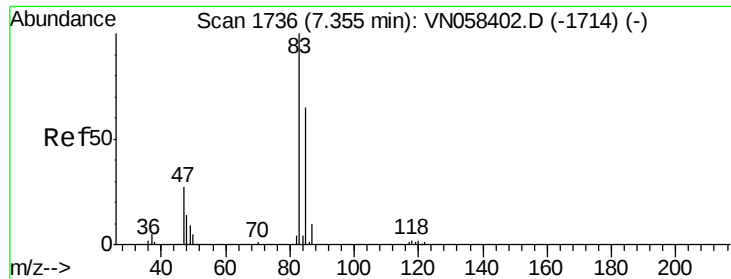
500

0

Time-->

4.45 4.50 4.55

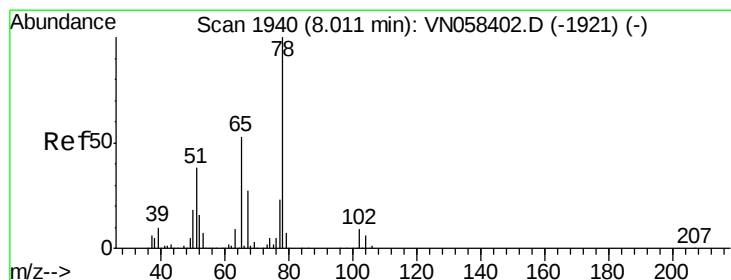
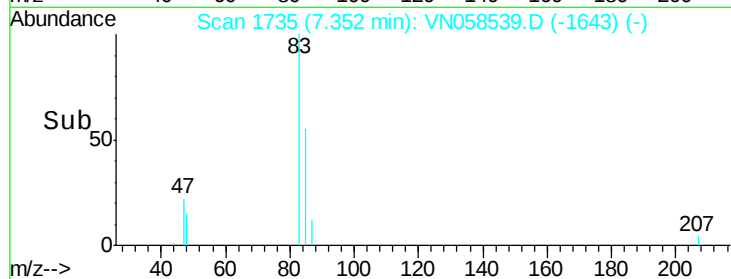
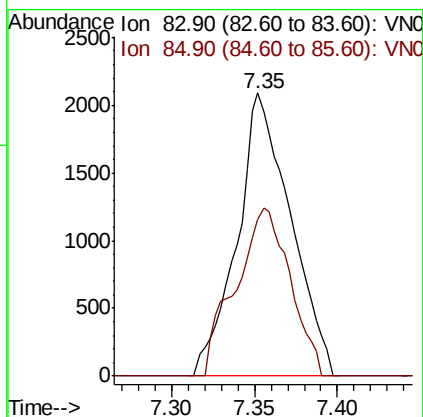
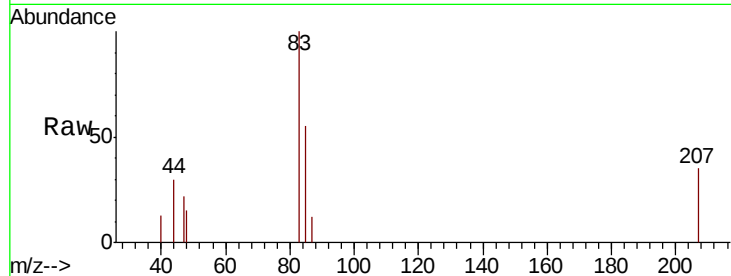




#30  
 Chloroform  
 Concen: 0.506 ug/l  
 RT: 7.35 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: VN058539.D  
 Acq: 4 Oct 2019 14:41

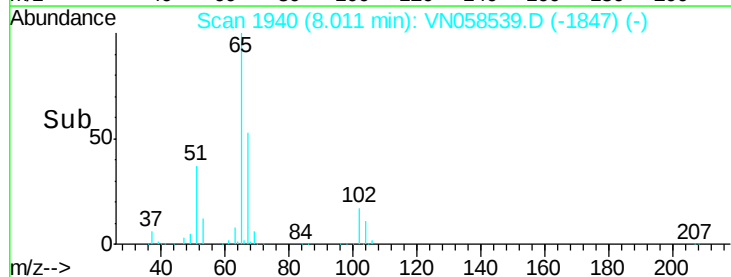
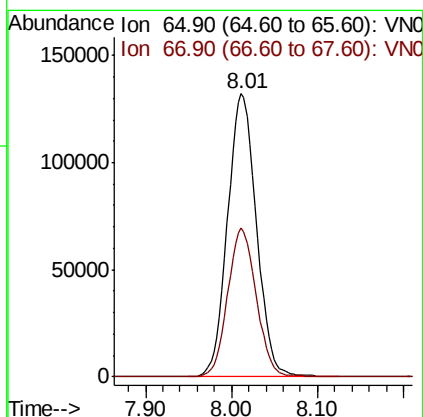
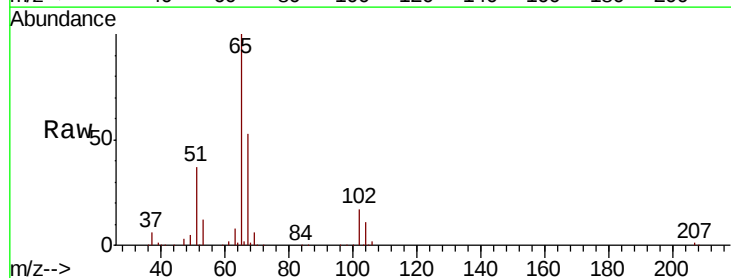
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30459-61

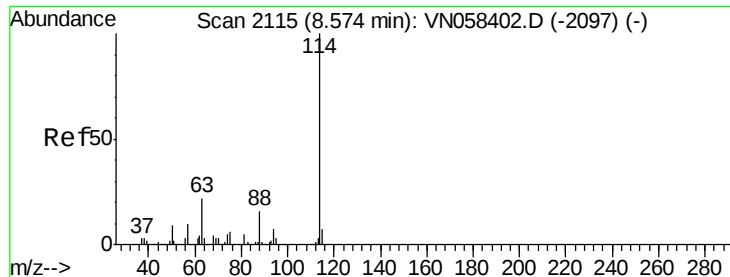
Tot Ion: 83 Resp: 4683  
 Ion Ratio Lower Upper  
 83 100  
 85 55.4 52.0 78.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 48.051 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN058539.D  
 Acq: 4 Oct 2019 14:41

Tgt Ion: 65 Resp: 308194  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 102.4

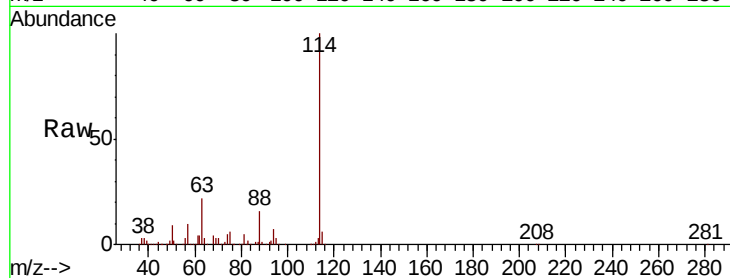




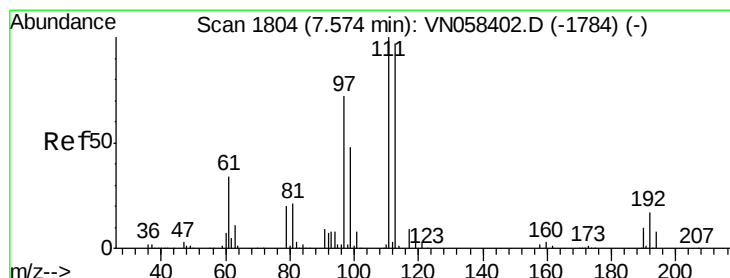
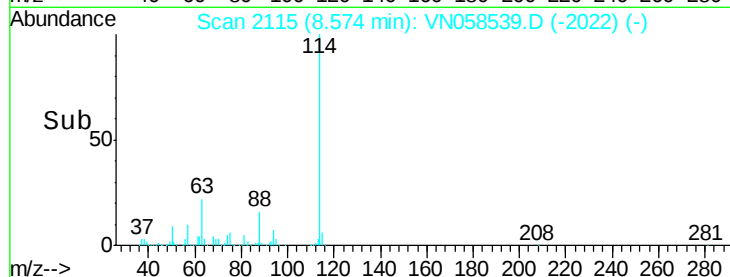
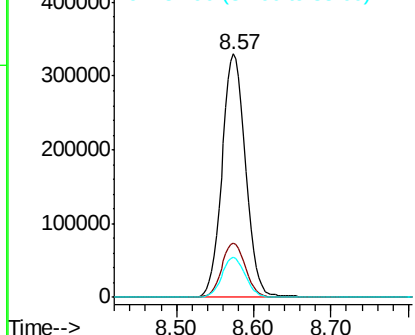
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058539.D  
 Acq: 4 Oct 2019 14:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30459-61

Tot Ion:114 Resp: 698208  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 45.0  
 88 16.4 0.0 32.2

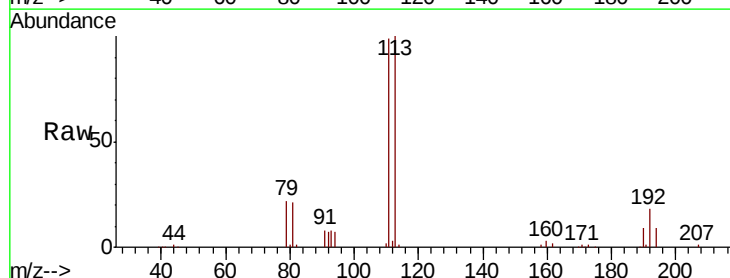


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

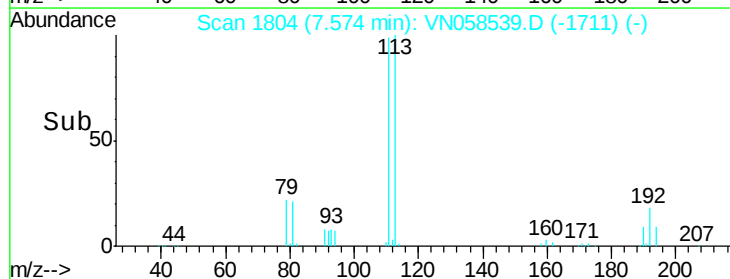
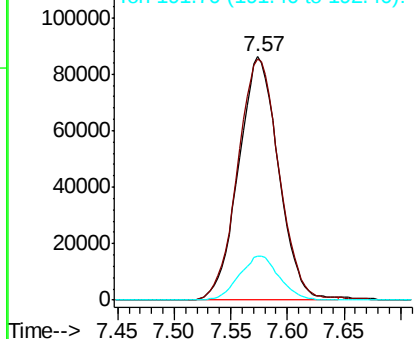


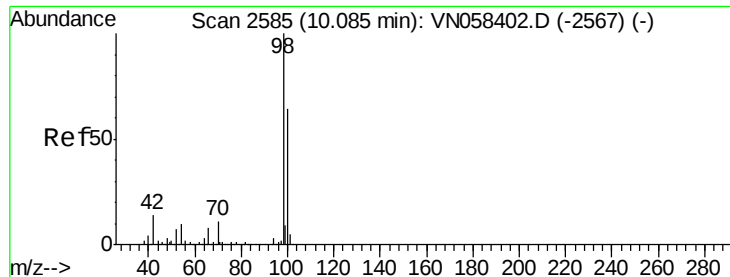
#35  
 Dibromofluoromethane  
 Concen: 49.451 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058539.D  
 Acq: 4 Oct 2019 14:41

Tgt Ion:113 Resp: 211612  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 83.4 125.2  
 192 18.1 14.9 22.3



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: 51.498 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA\_N

ClientSampleId :

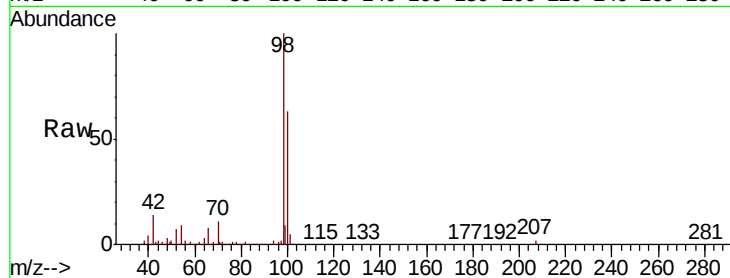
30459-61

Tot Ion: 98 Resp: 863286

Ion Ratio Lower Upper

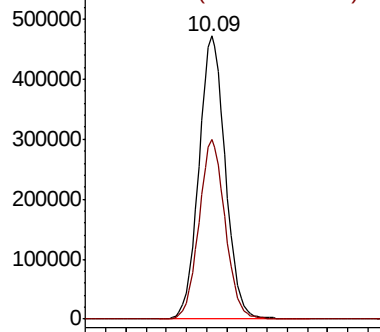
98 100

100 63.0 51.0 76.6

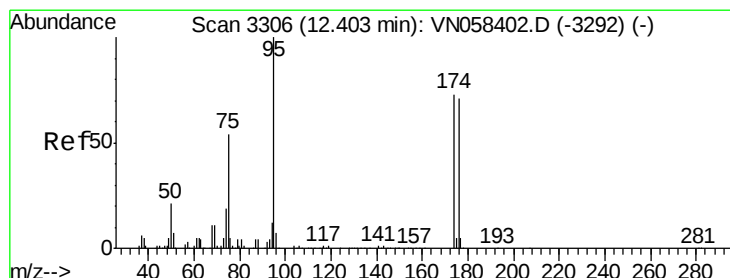
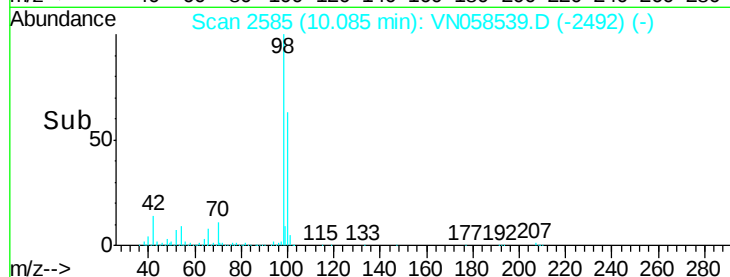


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#62

4-Bromofluorobenzene

Concen: 47.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

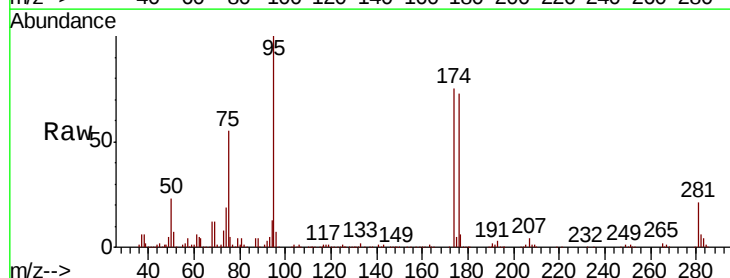
Tgt Ion: 95 Resp: 286886

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.6

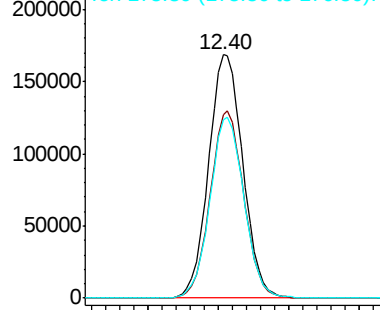
176 74.0 0.0 146.2



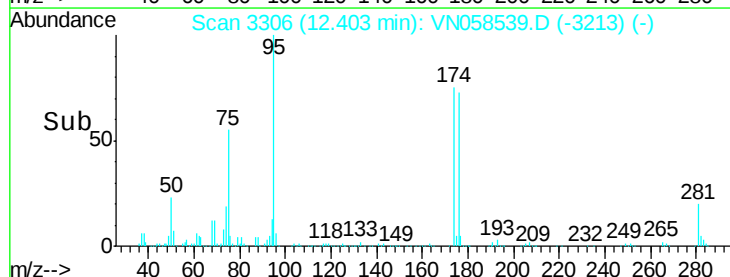
Abundance Ion 94.90 (94.60 to 95.60): VN0

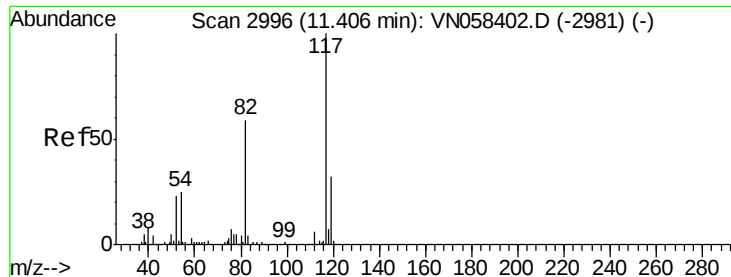
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

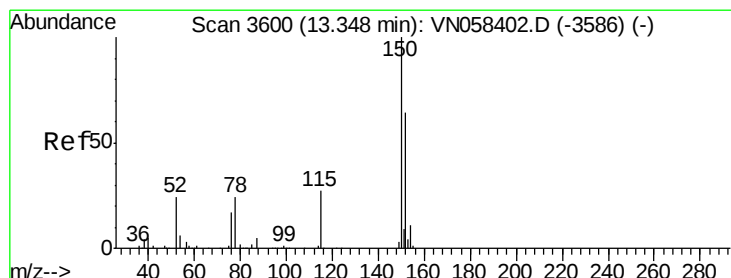
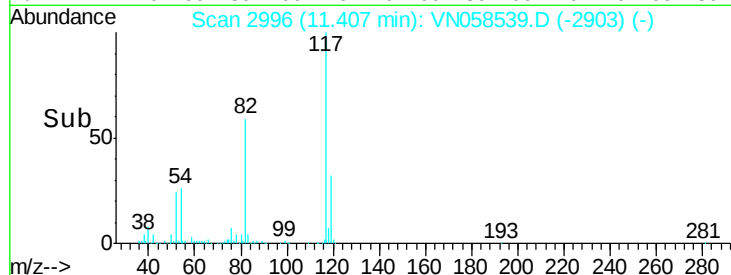
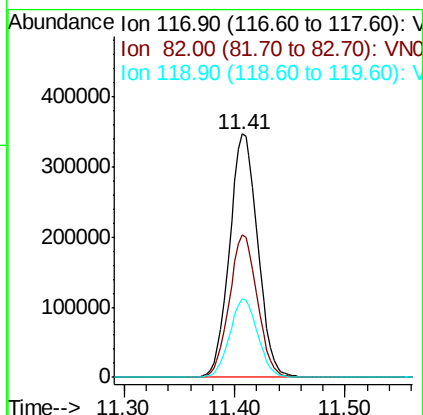
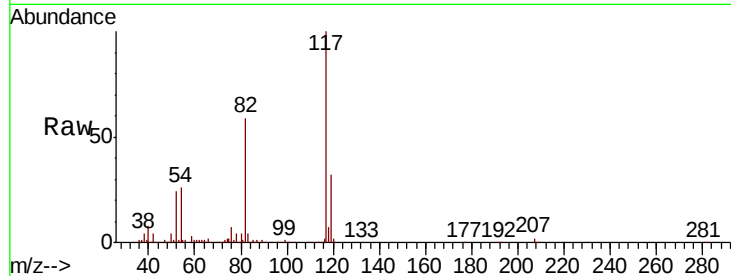




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058539.D  
Acq: 4 Oct 2019 14:41

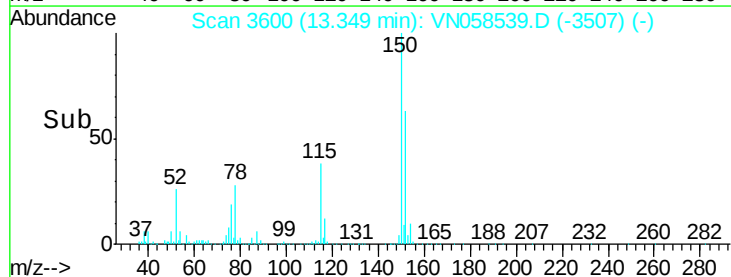
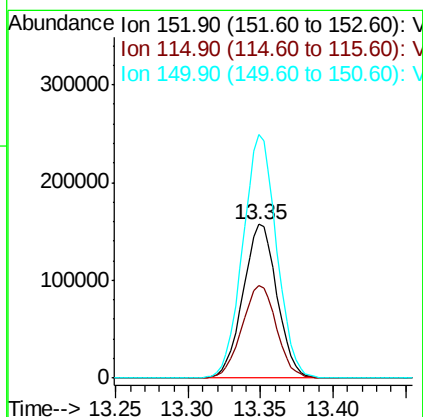
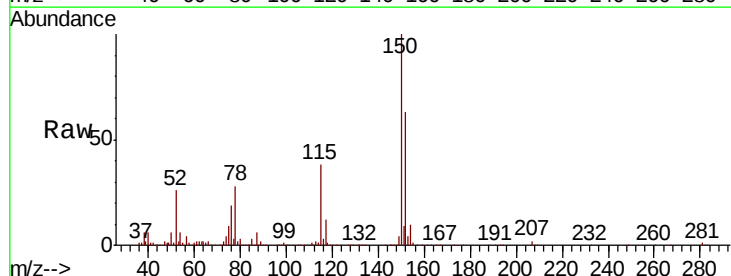
Instrument :  
MSVOA\_N  
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30459-61

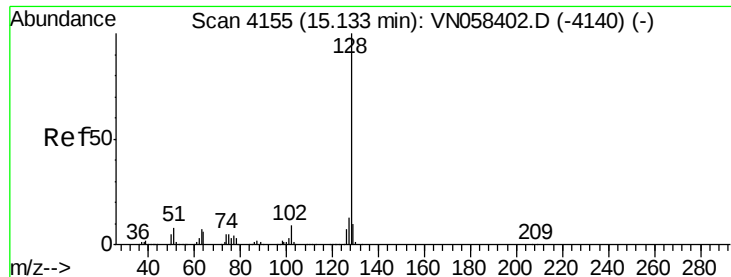
Tot Ion:117 Resp: 614592  
Ion Ratio Lower Upper  
117 100  
82 58.7 47.4 71.0  
119 31.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058539.D  
Acq: 4 Oct 2019 14:41

Tgt Ion:152 Resp: 257109  
Ion Ratio Lower Upper  
152 100  
115 60.7 30.0 90.0  
150 157.1 0.0 348.2





#95

Naphthalene

Concen: 0.290 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA\_N

ClientSampleId :

30459-61

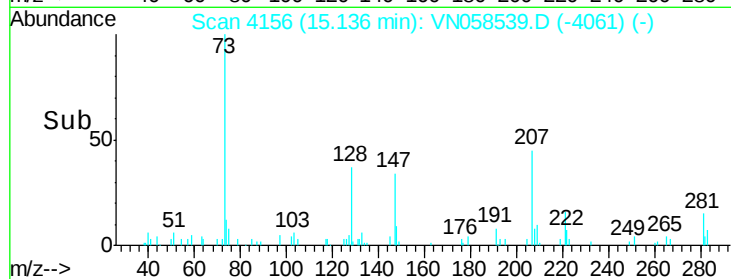
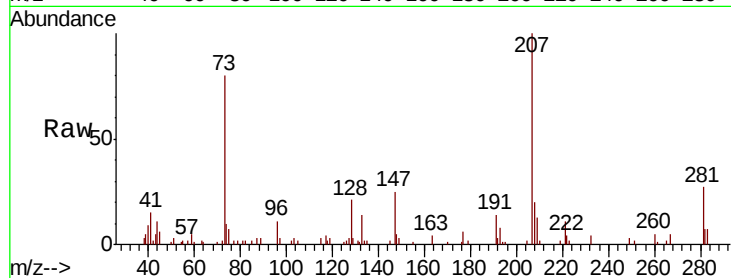
Tot Ion:128 Resp: 4008

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 18.5 8.3 12.5#



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

