

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\  
 Data File : VN054701.D  
 Acq On : 26 Mar 2019 16:17  
 Operator : JC/SP  
 Sample : K1693-14  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-01-032519-A

Quant Time: Mar 27 04:56:07 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

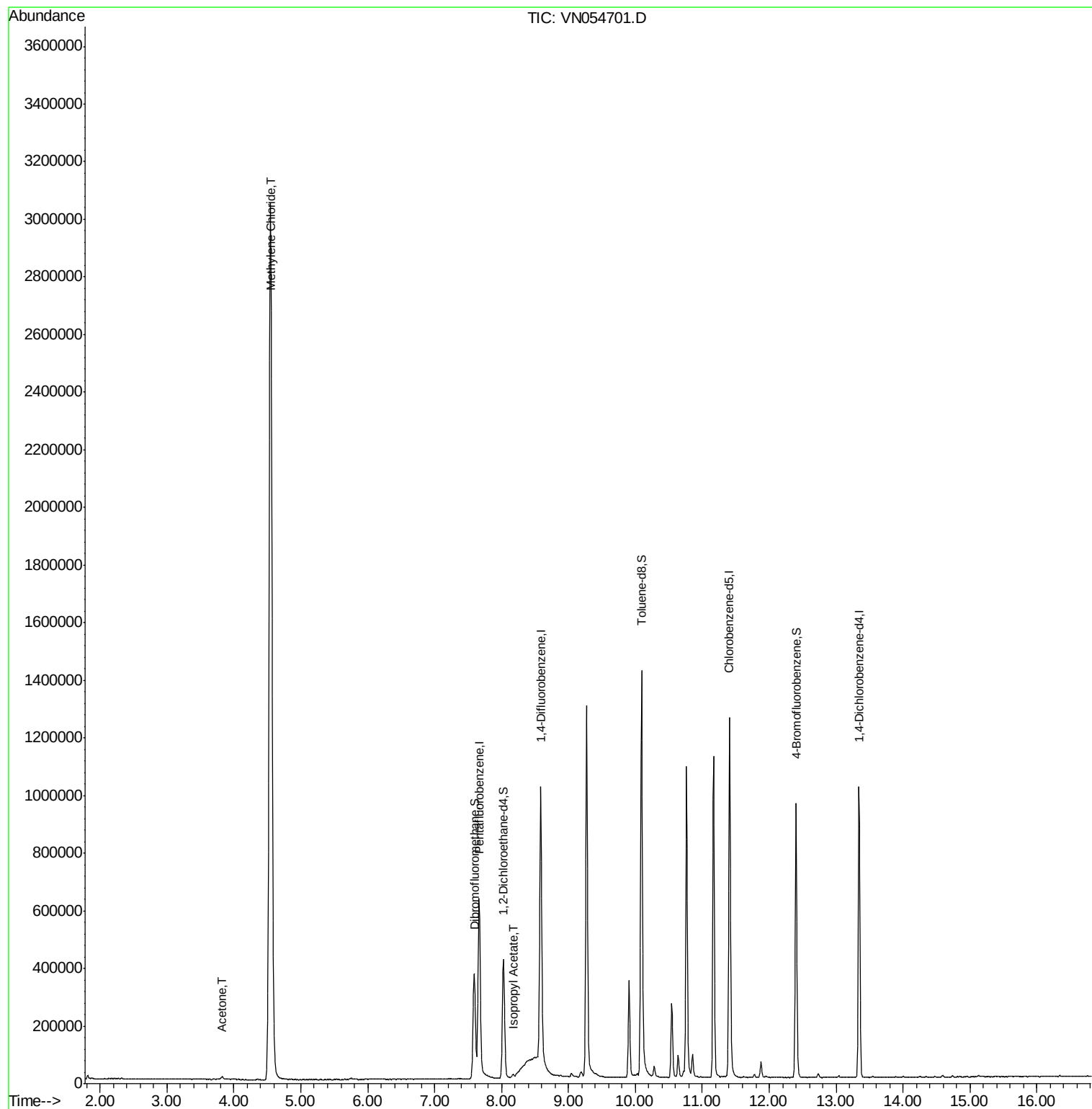
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 558457   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 883534   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 740889   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 275931   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 360504   | 51.90   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.80% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 276432   | 48.56   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 97.12%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1054266  | 49.27   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 98.54%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 326053   | 44.78   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 89.56%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 3.82  | 43   | 13781    | 6.599   | ug/l    | 92       |
| 20) Methylene Chloride      | 4.55  | 84   | 2120270  | 344.411 | ug/l #  | 82       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 14945    | 1.506   | ug/l #  | 94       |

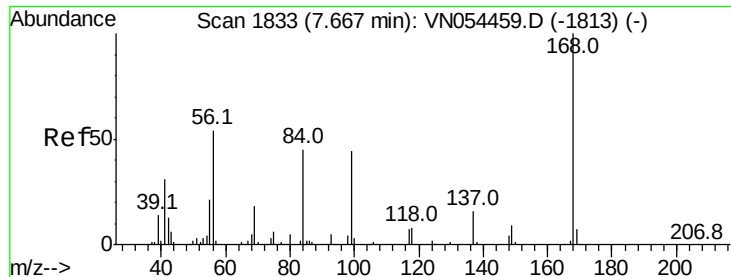
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054701.D

Acq: 26 Mar 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

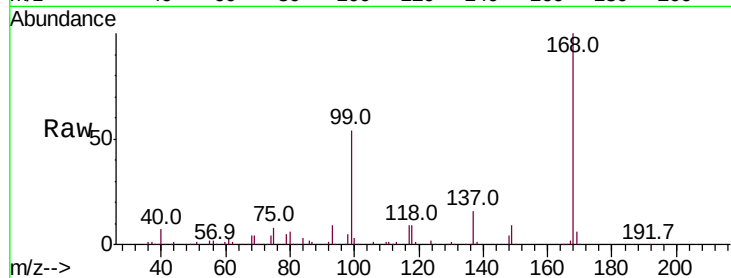
OR-01-032519-A

Tot Ion:168 Resp: 558457

Ion Ratio Lower Upper

168 100

99 54.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

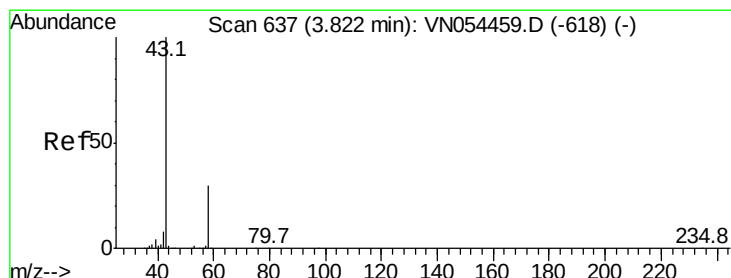
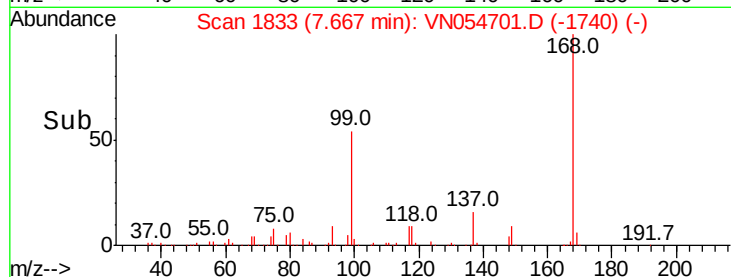
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 6.599 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054701.D

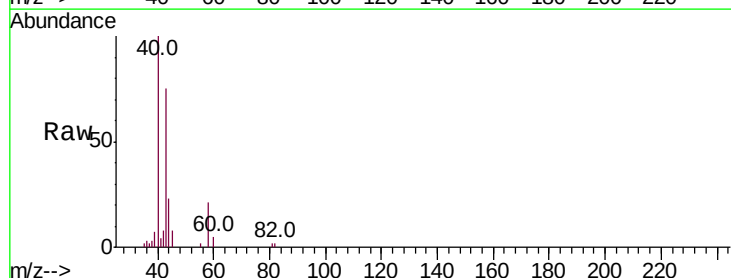
Acq: 26 Mar 2019 16:17

Tgt Ion: 43 Resp: 13781

Ion Ratio Lower Upper

43 100

58 32.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

8000

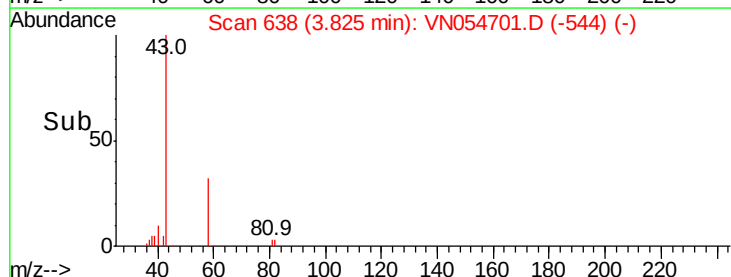
6000

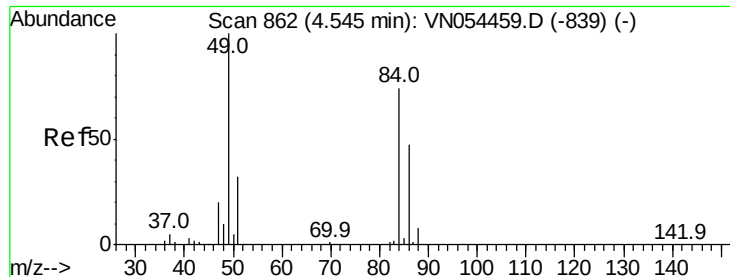
4000

2000

0

Time--> 3.75 3.80 3.85 3.90



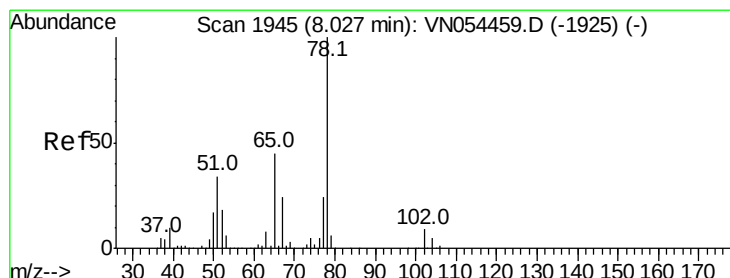
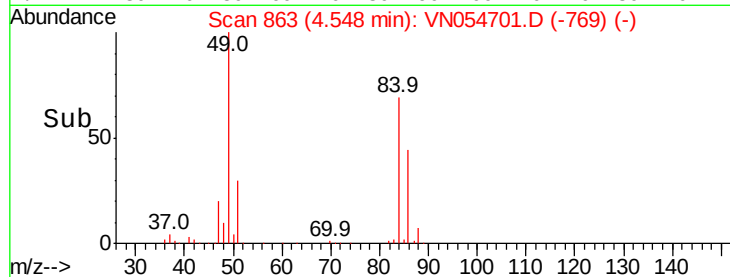
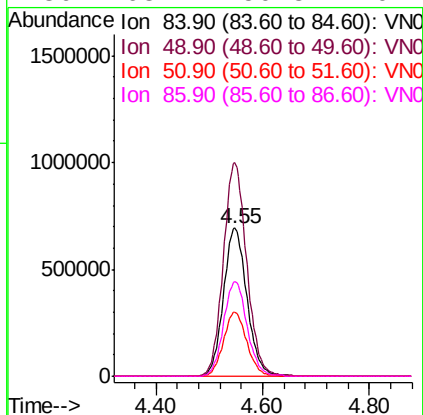
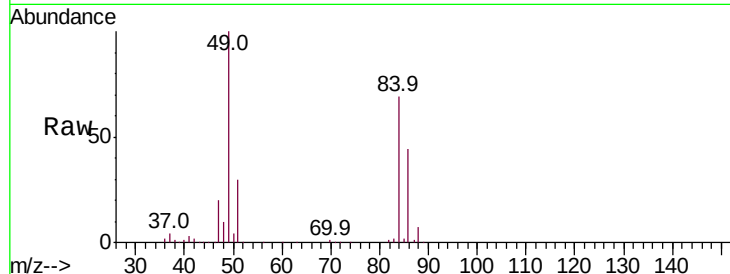


#20  
Methylene Chloride  
Concen: 344.411 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054701.D  
Acq: 26 Mar 2019 16:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-01-032519-A

Tot Ion: 84 Resp: 2120270

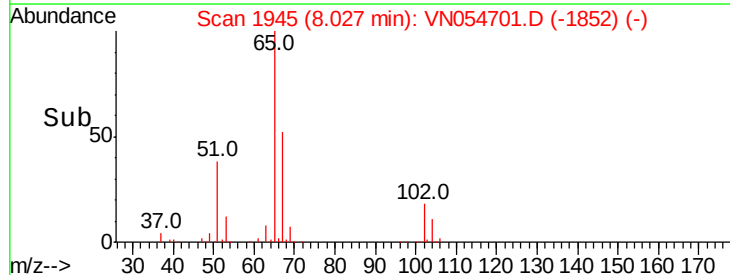
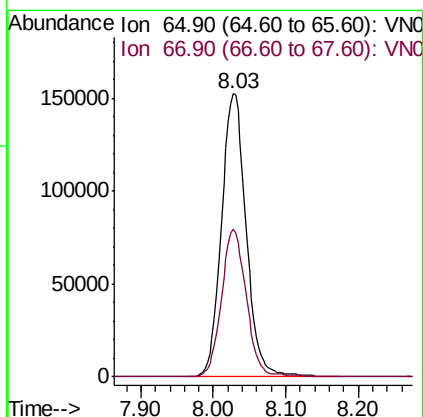
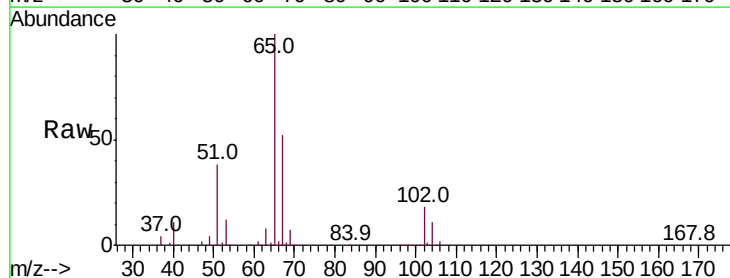
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 144.2 | 89.7  | 134.5# |
| 51  | 43.6  | 28.2  | 42.4#  |
| 86  | 63.7  | 50.8  | 76.2   |

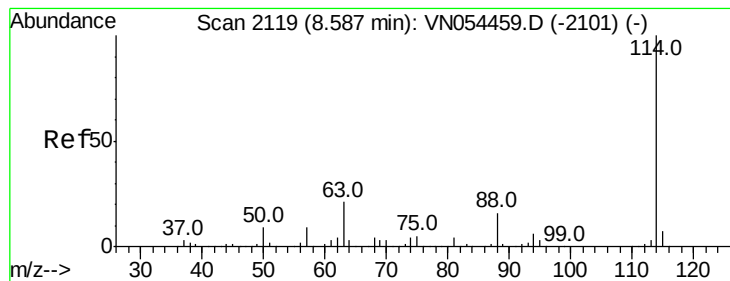


#33  
1,2-Dichloroethane-d4  
Concen: 51.899 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN054701.D  
Acq: 26 Mar 2019 16:17

Tgt Ion: 65 Resp: 360504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.6  | 0.0   | 104.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054701.D

Acq: 26 Mar 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

OR-01-032519-A

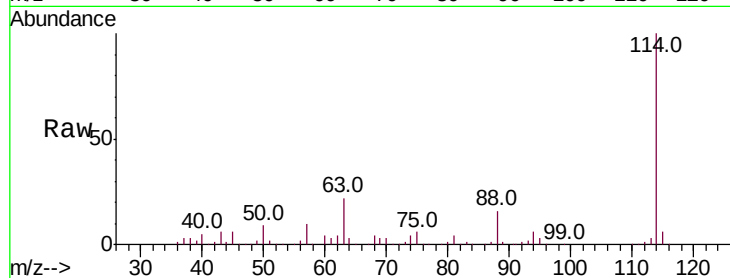
Tot Ion:114 Resp: 883534

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

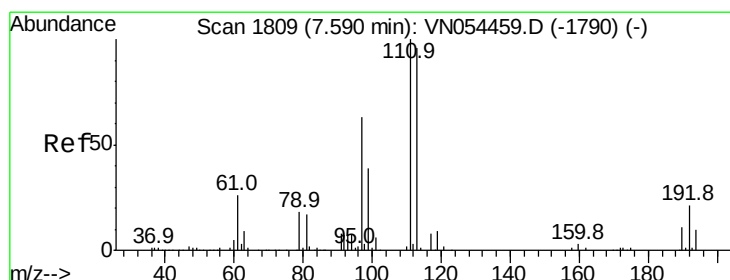
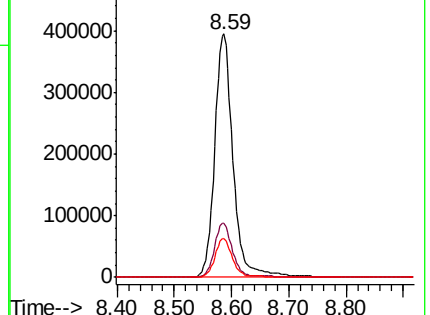
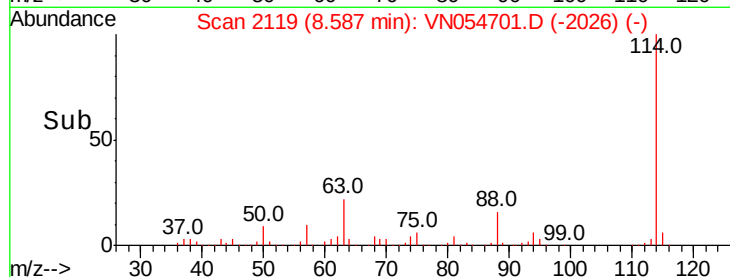
88 15.8 0.0 30.2



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: 48.564 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054701.D

Acq: 26 Mar 2019 16:17

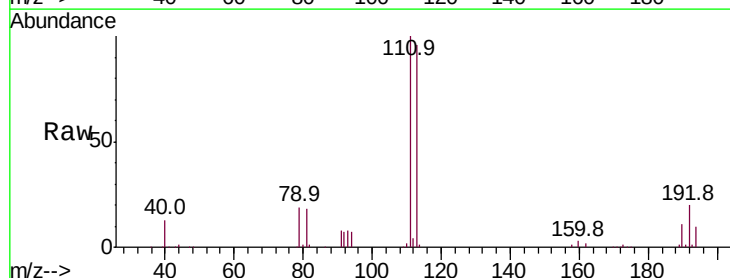
Tgt Ion:113 Resp: 276432

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

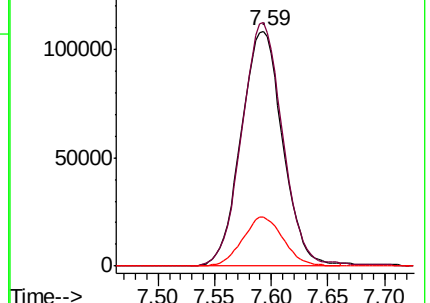
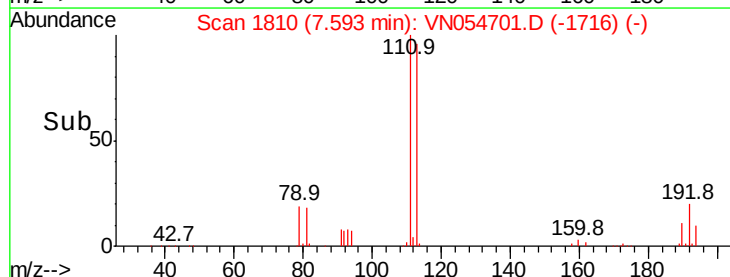
192 20.6 19.2 28.8

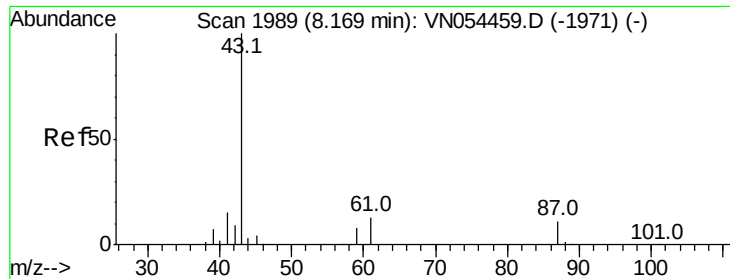


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.506 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054701.D

Acq: 26 Mar 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

OR-01-032519-A

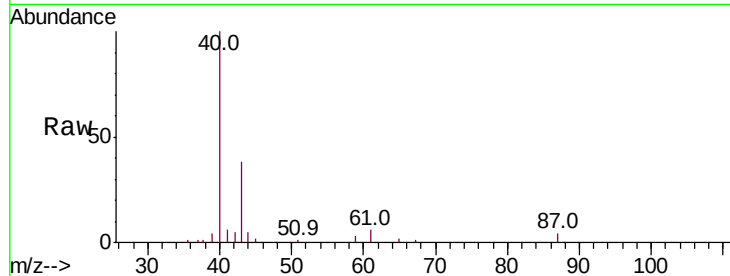
Tot Ion: 43 Resp: 14945

Ion Ratio Lower Upper

43 100

61 17.8 15.8 23.8

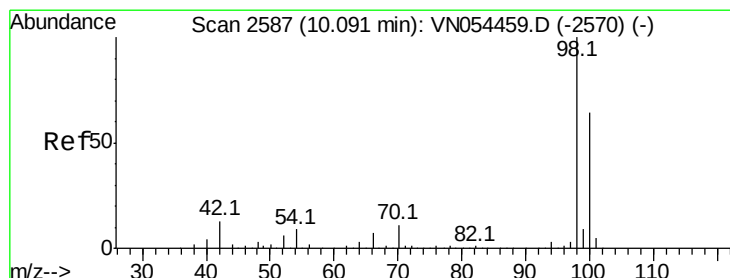
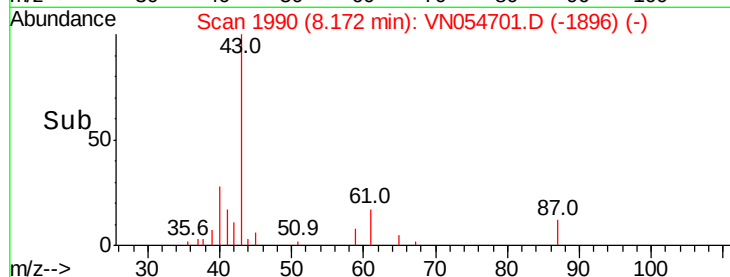
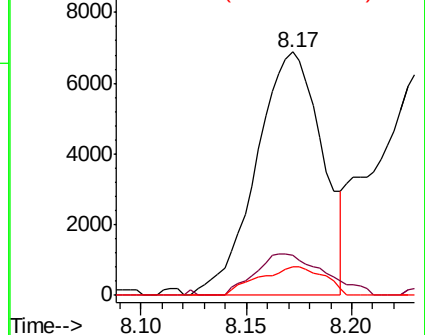
87 11.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.267 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054701.D

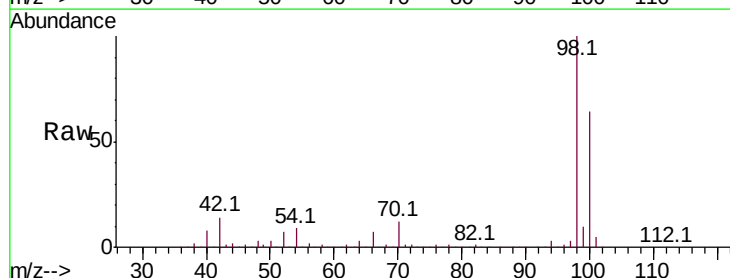
Acq: 26 Mar 2019 16:17

Tgt Ion: 98 Resp: 1054266

Ion Ratio Lower Upper

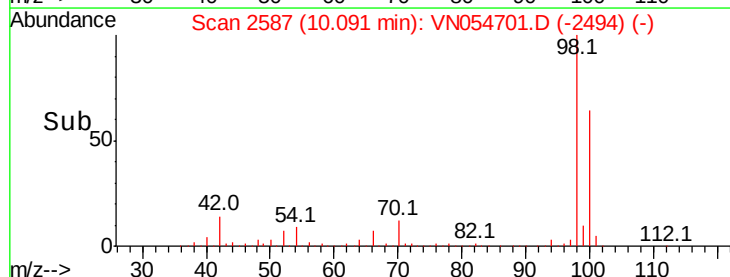
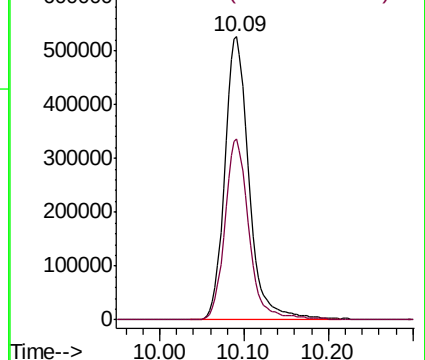
98 100

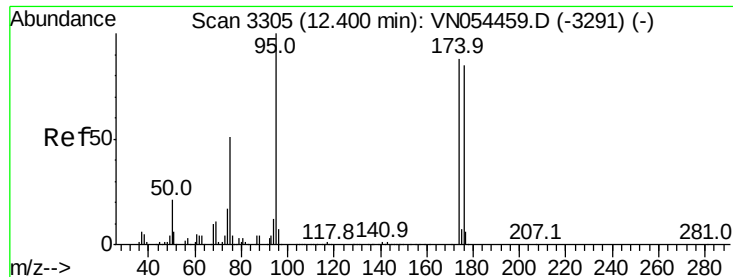
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

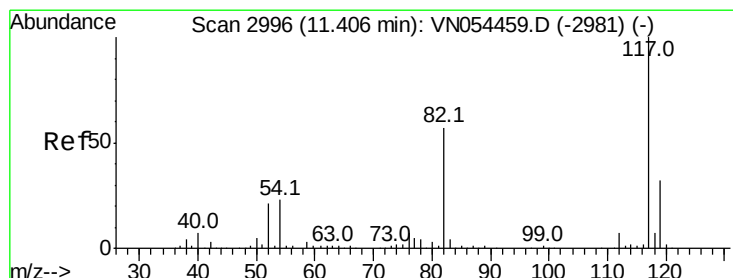
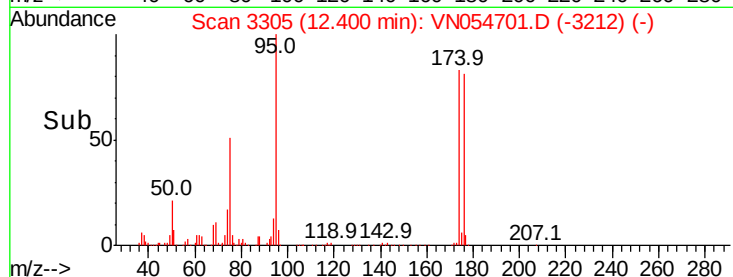
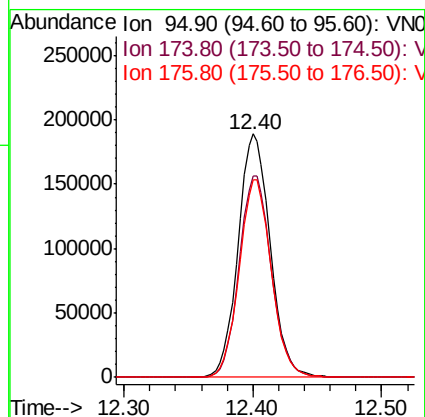
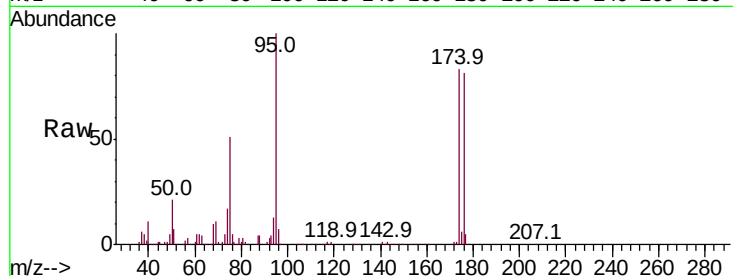




#62  
4-Bromofluorobenzene  
Concen: 44.777 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054701.D  
Acq: 26 Mar 2019 16:17

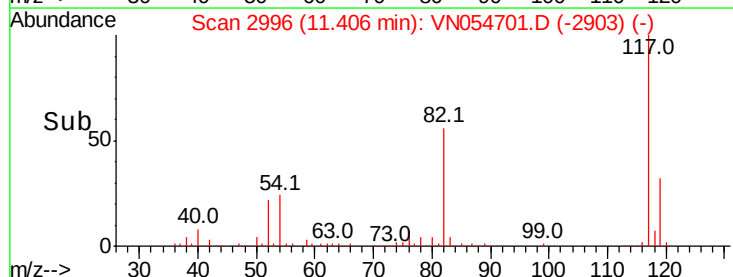
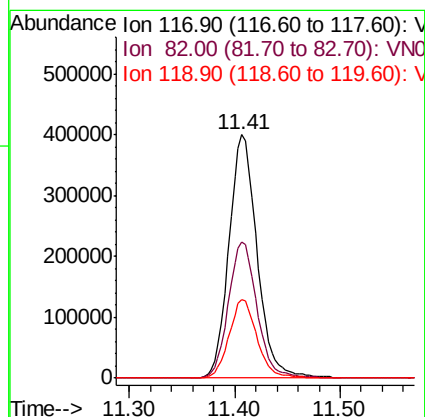
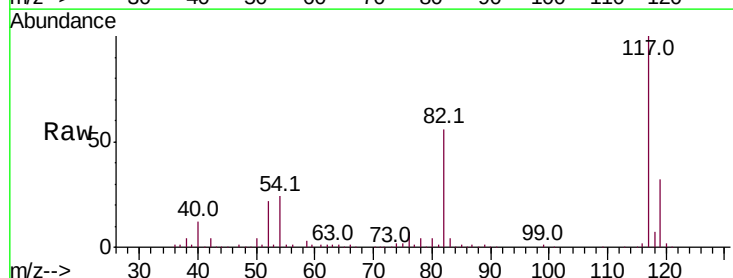
Instrument :  
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OR-01-032519-A

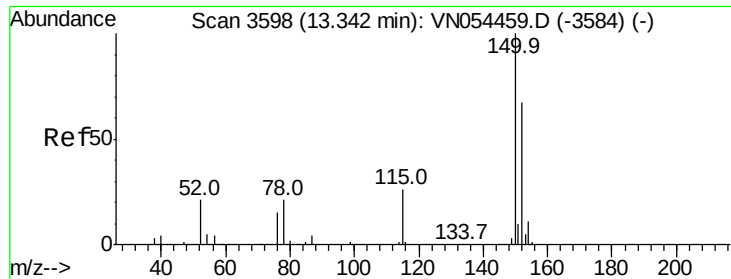
Tot Ion: 95 Resp: 326053  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 191.0  
176 81.4 0.0 187.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054701.D  
Acq: 26 Mar 2019 16:17

Tgt Ion: 117 Resp: 740889  
Ion Ratio Lower Upper  
117 100  
82 56.0 40.0 60.0  
119 32.5 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: VN054701.D

Acq: 26 Mar 2019 16:17

Instrument :

MSVOA\_N

ClientSampleId :

OR-01-032519-A

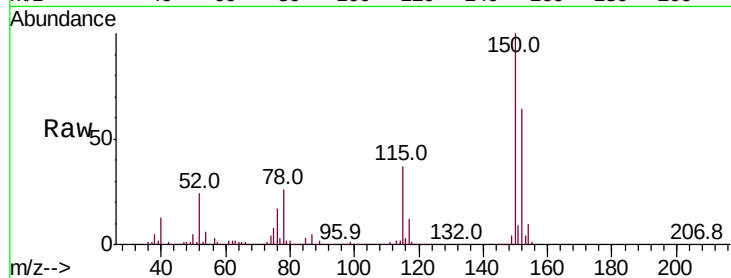
Tot Ion:152 Resp: 275931

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

150 157.6 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

