

Data File : VN057195.D  
Acq On : 11 Aug 2019 18:18  
Operator : JC/SP  
Sample : K4245-08  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-26

Quant Time: Aug 12 07:20:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration

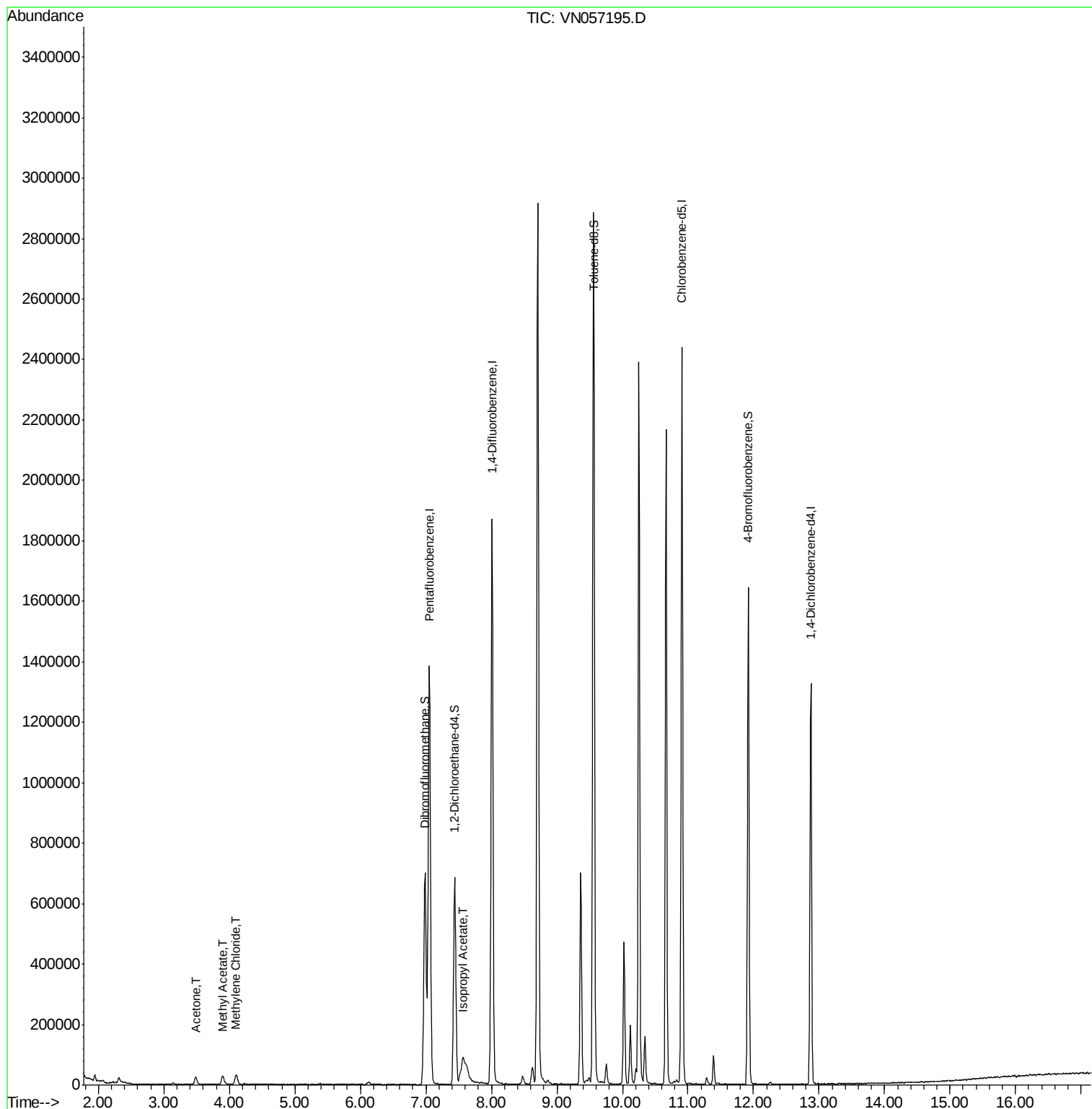
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 1319245  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.01  | 114  | 1869981  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.91 | 117  | 1537787  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.88 | 152  | 402845   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 621135   | 45.78 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.56% |          |
| 35) Dibromofluoromethane    | 6.99  | 113  | 561690   | 47.87 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.74% |          |
| 50) Toluene-d8              | 9.56  | 98   | 2168978  | 48.31 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.62% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 574274   | 39.70 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.40% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.48  | 43   | 37507    | 9.154 | ug/l   | 98       |
| 18) Methyl Acetate          | 3.90  | 43   | 52692    | 3.708 | ug/l   | 95       |
| 20) Methylene Chloride      | 4.10  | 84   | 23964    | 1.772 | ug/l   | 95       |
| 43) Isopropyl Acetate       | 7.57  | 43   | 148055   | 6.836 | ug/l # | 64       |

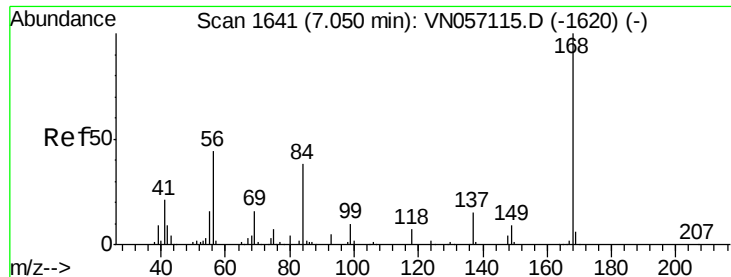
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

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Instrument :

MSVOA\_N

ClientSampleId :

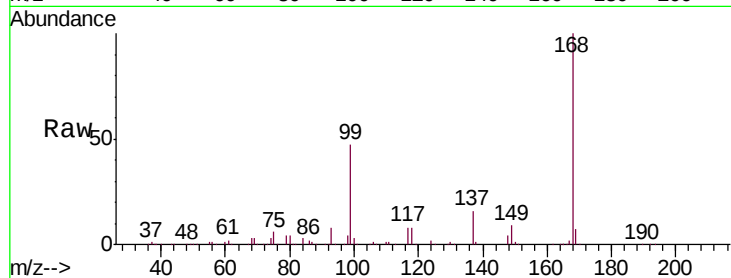
COMP-26

Tgt Ion:168 Resp: 1319245

Ion Ratio Lower Upper

168 100

99 47.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.05

600000

500000

400000

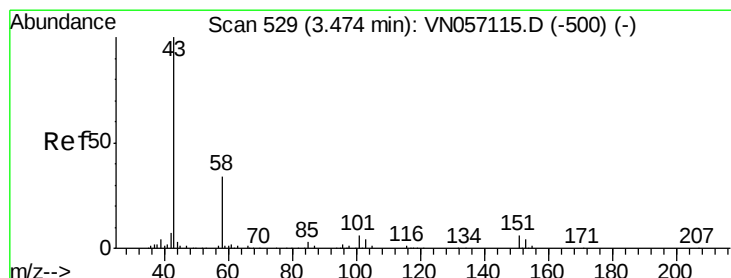
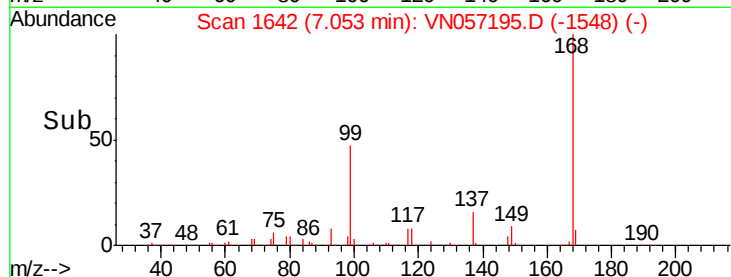
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 9.154 ug/l

RT: 3.48 min Scan# 531

Delta R.T. 0.01 min

Lab File: VN057195.D

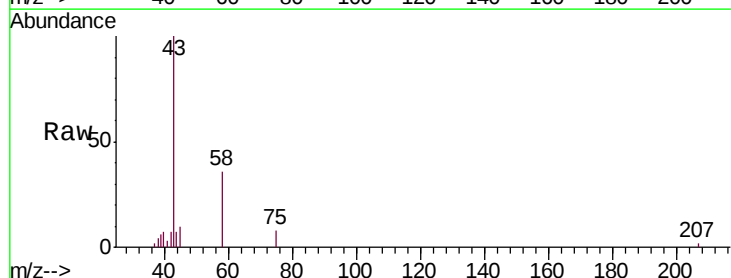
Acq: 11 Aug 2019 18:18

Tgt Ion: 43 Resp: 37507

Ion Ratio Lower Upper

43 100

58 35.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.48

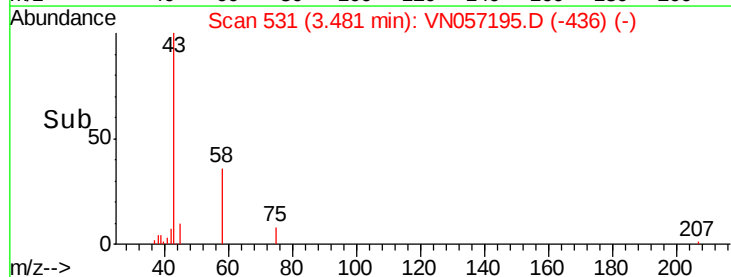
15000

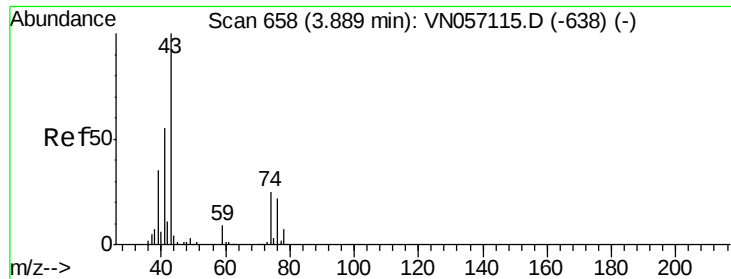
10000

5000

0

Time--> 3.40 3.45 3.50 3.55 3.60

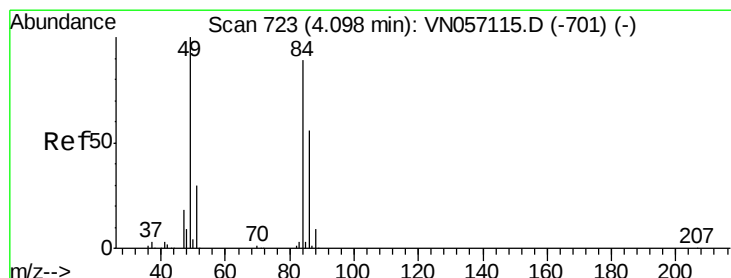
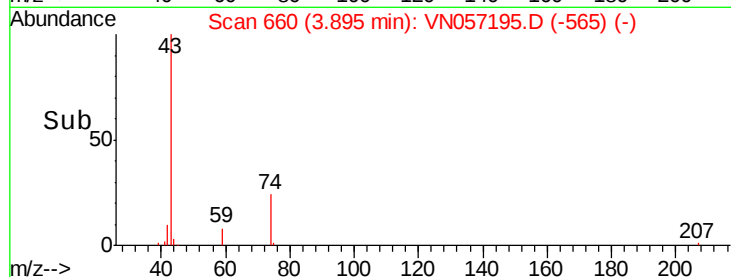
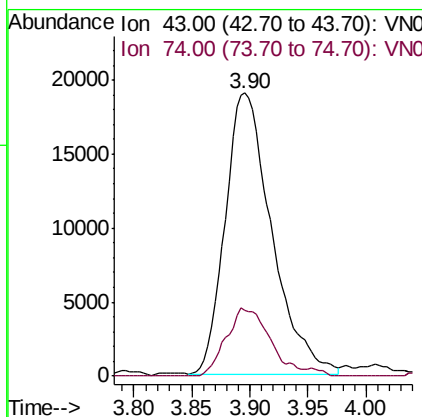
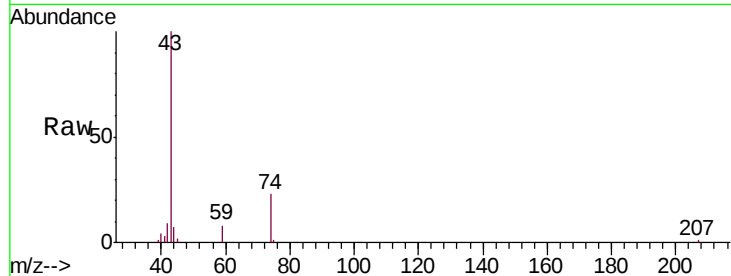




#18  
Methyl Acetate  
Concen: 3.708 ug/l  
RT: 3.90 min Scan# 660  
Delta R.T. 0.01 min  
Lab File: VN057195.D  
Acq: 11 Aug 2019 18:18

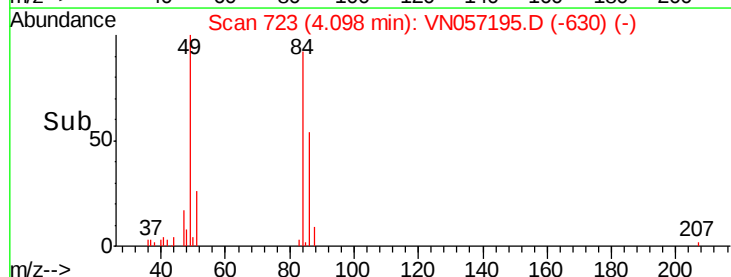
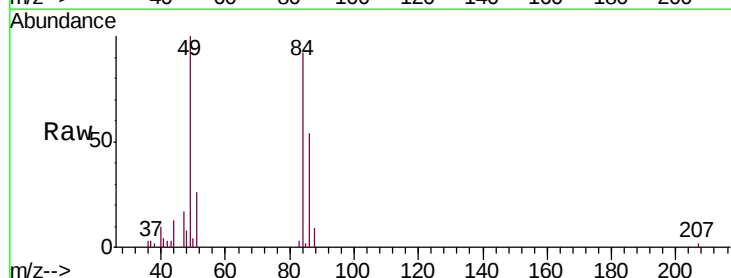
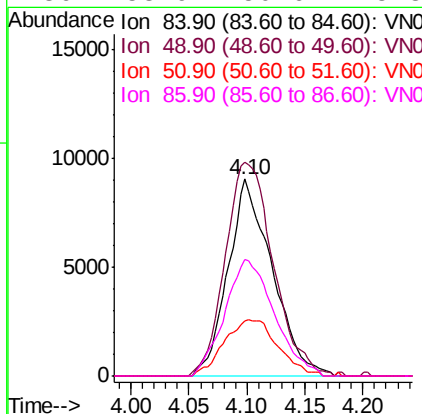
Instrument :  
MSVOA\_N  
ClientSampleId :  
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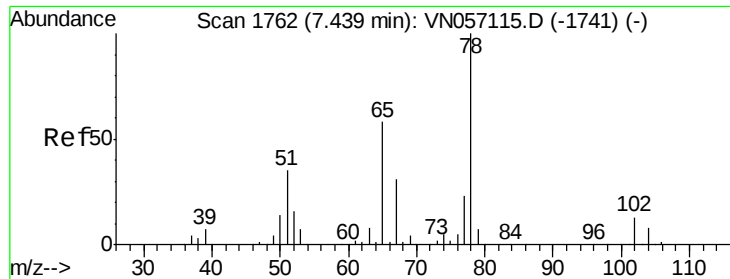
Tgt Ion: 43 Resp: 52692  
Ion Ratio Lower Upper  
43 100  
74 22.7 20.2 30.4



#20  
Methylene Chloride  
Concen: 1.772 ug/l  
RT: 4.10 min Scan# 723  
Delta R.T. -0.00 min  
Lab File: VN057195.D  
Acq: 11 Aug 2019 18:18

Tgt Ion: 84 Resp: 23964  
Ion Ratio Lower Upper  
84 100  
49 108.5 89.5 134.3  
51 28.0 27.2 40.8  
86 58.9 50.6 75.8

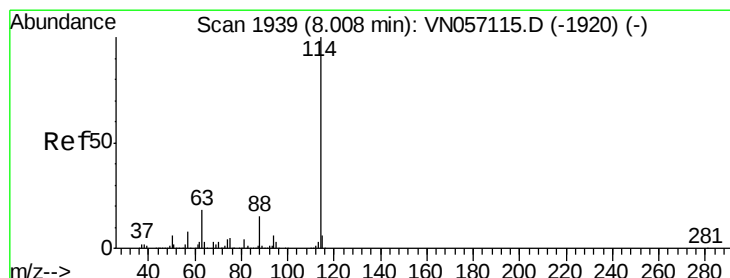
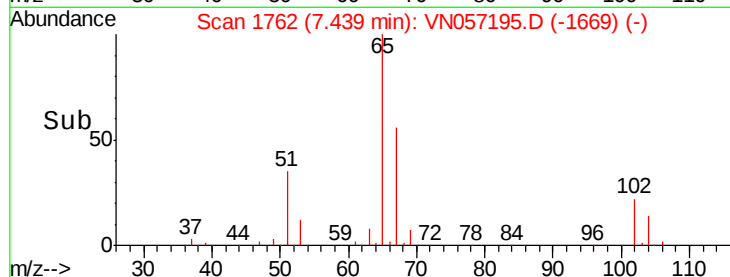
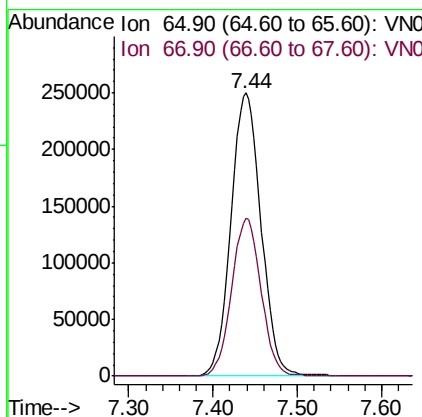
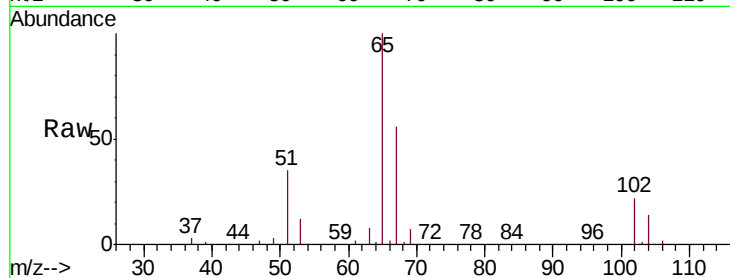




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.781 ug/l  
 RT: 7.44 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: VN057195.D  
 Acq: 11 Aug 2019 18:18

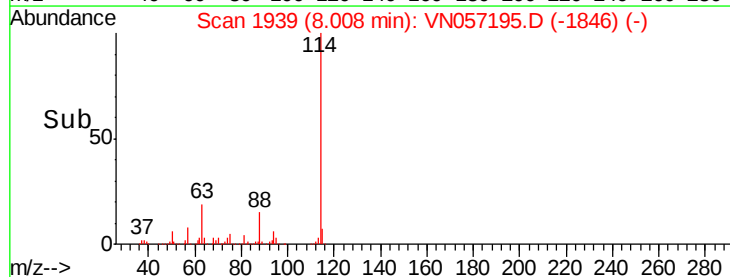
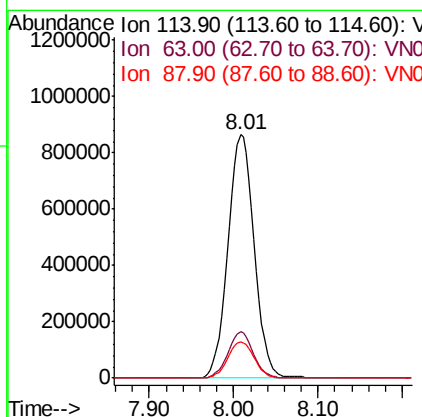
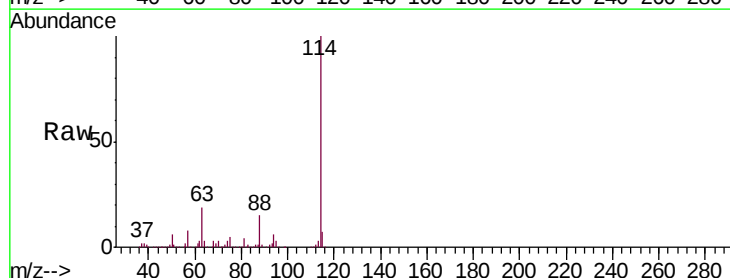
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-26

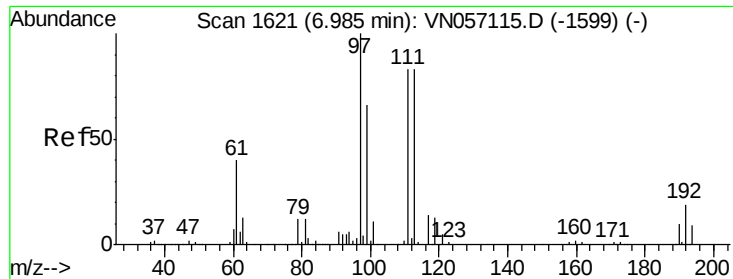
Tgt Ion: 65 Resp: 621135  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 108.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: VN057195.D  
 Acq: 11 Aug 2019 18:18

Tgt Ion: 114 Resp: 1869981  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 36.2  
 88 14.9 0.0 30.0

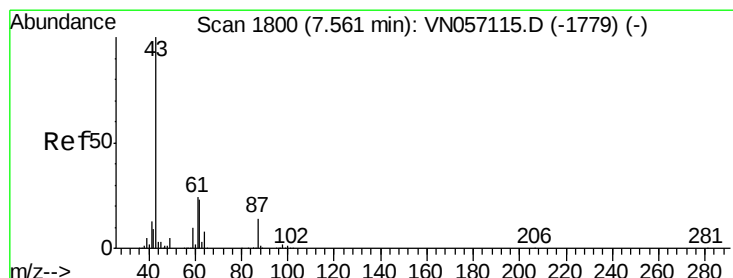
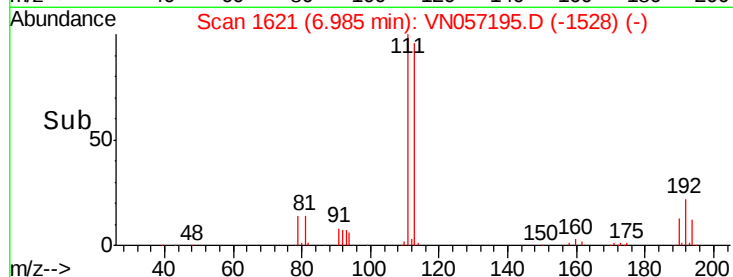
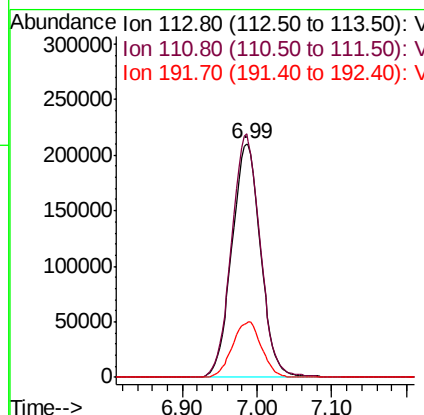
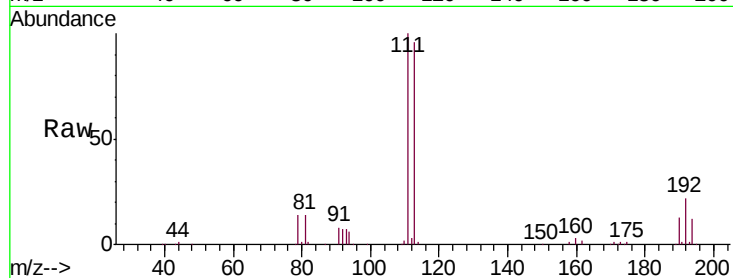




#35  
 Dibromofluoromethane  
 Concen: 47.867 ug/l  
 RT: 6.99 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VN057195.D  
 Acq: 11 Aug 2019 18:18

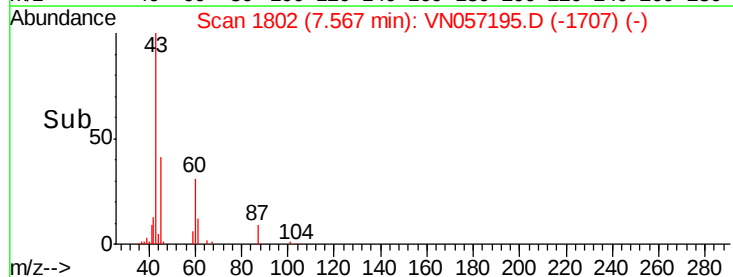
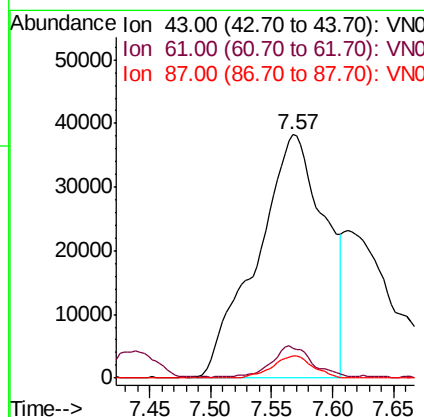
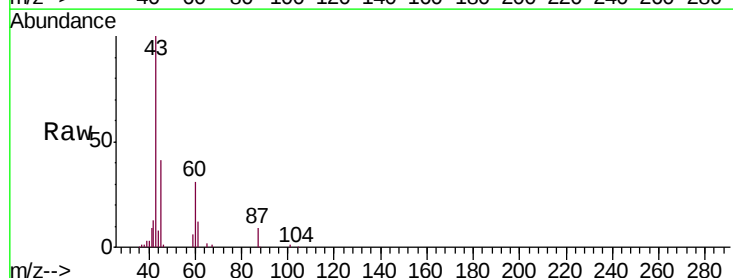
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 COMP-26

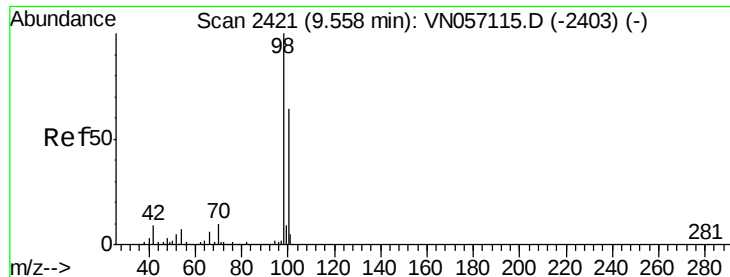
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 81.3  | 121.9 |
| 192     | 24.1  | 19.0  | 28.4  |



#43  
 Isopropyl Acetate  
 Concen: 6.836 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.01 min  
 Lab File: VN057195.D  
 Acq: 11 Aug 2019 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 7.4   | 24.2  | 36.2# |
| 87      | 5.5   | 11.8  | 17.8# |

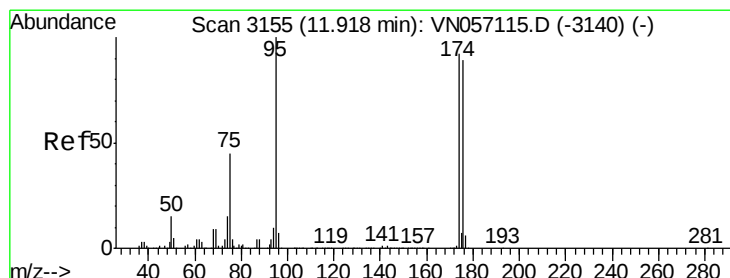
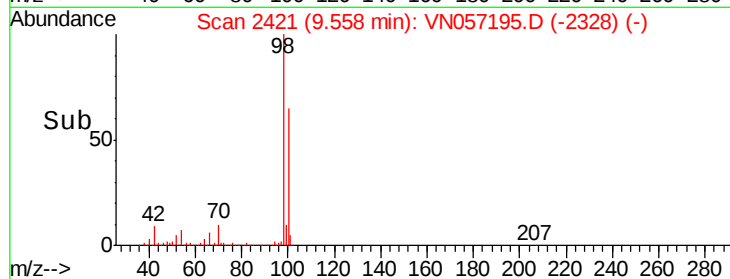
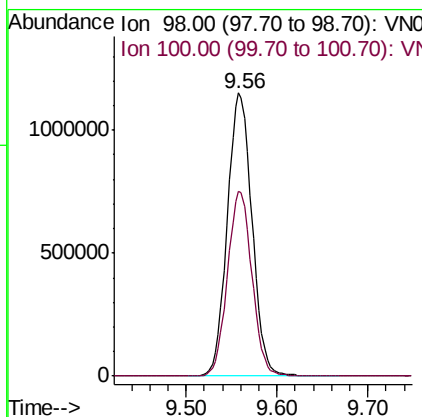
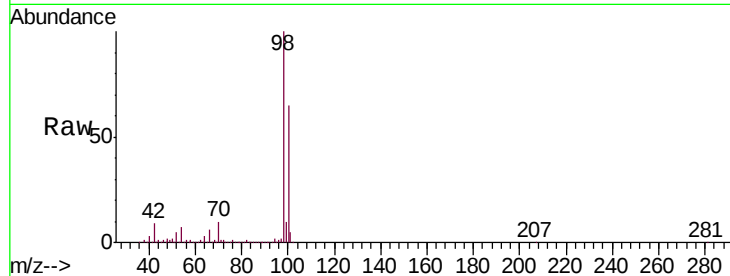




#50  
Toluene-d8  
Concen: 48.314 ug/l  
RT: 9.56 min Scan# 2421  
Delta R.T. -0.00 min  
Lab File: VN057195.D  
Acq: 11 Aug 2019 18:18

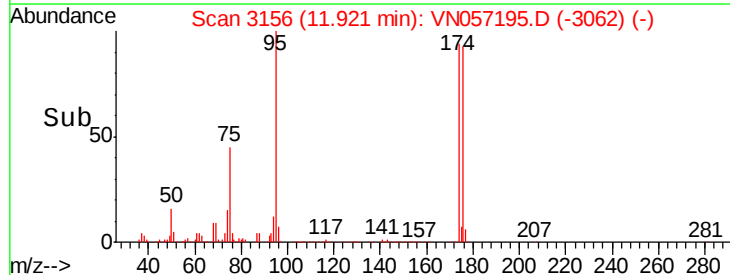
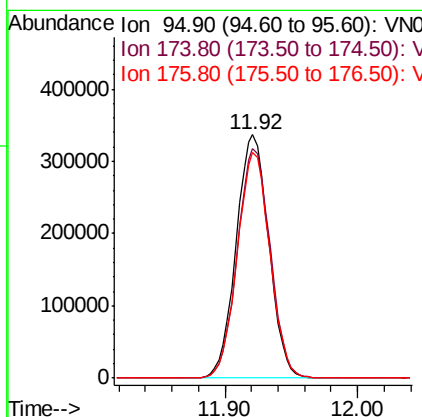
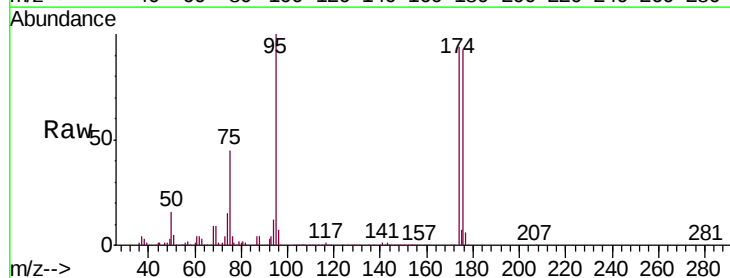
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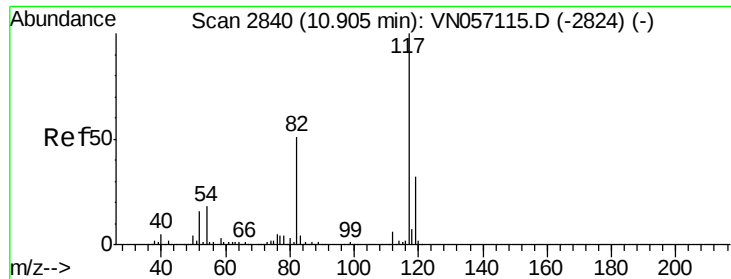
Tgt Ion: 98 Resp: 2168978  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 39.700 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN057195.D  
Acq: 11 Aug 2019 18:18

Tgt Ion: 95 Resp: 574274  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 185.0  
176 92.7 0.0 181.2

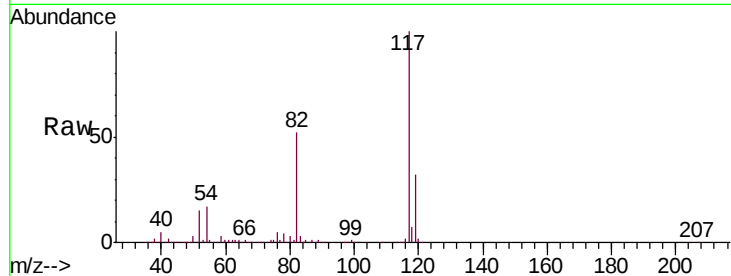




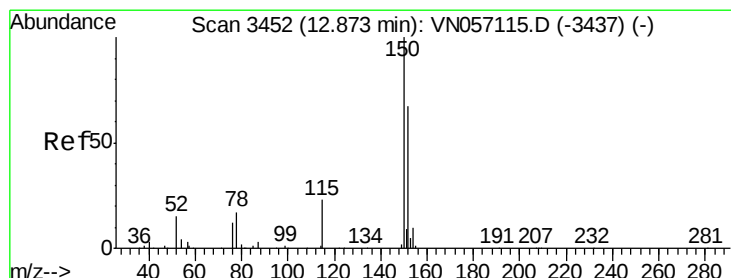
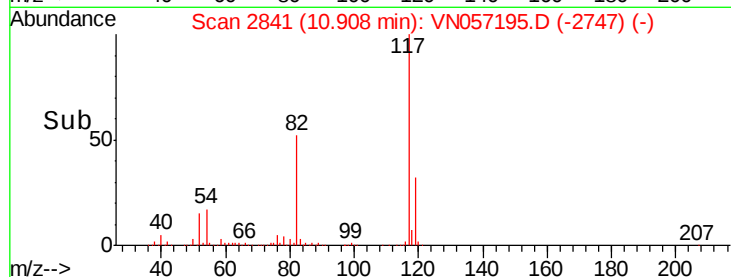
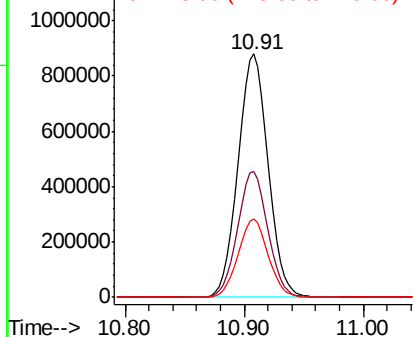
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.91 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VN057195.D  
Acq: 11 Aug 2019 18:18

Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-26

Tgt Ion:117 Resp: 1537787  
Ion Ratio Lower Upper  
117 100  
82 52.0 40.8 61.2  
119 32.1 25.7 38.5

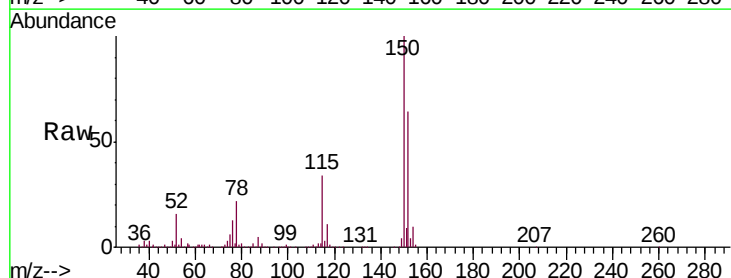


Abundance Ion 116.90 (116.60 to 117.60): V  
1200000 Ion 82.00 (81.70 to 82.70): VN  
1000000 Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.88 min Scan# 3453  
Delta R.T. 0.00 min  
Lab File: VN057195.D  
Acq: 11 Aug 2019 18:18

Tgt Ion:152 Resp: 402845  
Ion Ratio Lower Upper  
152 100  
115 54.3 27.5 82.5  
150 154.8 0.0 341.6



Abundance Ion 151.90 (151.60 to 152.60): V  
500000 Ion 114.90 (114.60 to 115.60): V  
400000 Ion 149.90 (149.60 to 150.60): V

