

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121619\  
 Data File : VN059613.D  
 Acq On : 16 Dec 2019 19:13  
 Operator : JC/SP  
 Sample : K6113-10  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-121319

Quant Time: Dec 17 04:54:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 230914   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 366660   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 339882   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 135317   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 166926   | 49.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.36%  |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 117015   | 51.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.02% |      |
| 50) Toluene-d8            | 10.08  | 98  | 466696   | 51.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.76% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 155128   | 46.81 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.62%  |      |

## Target Compounds

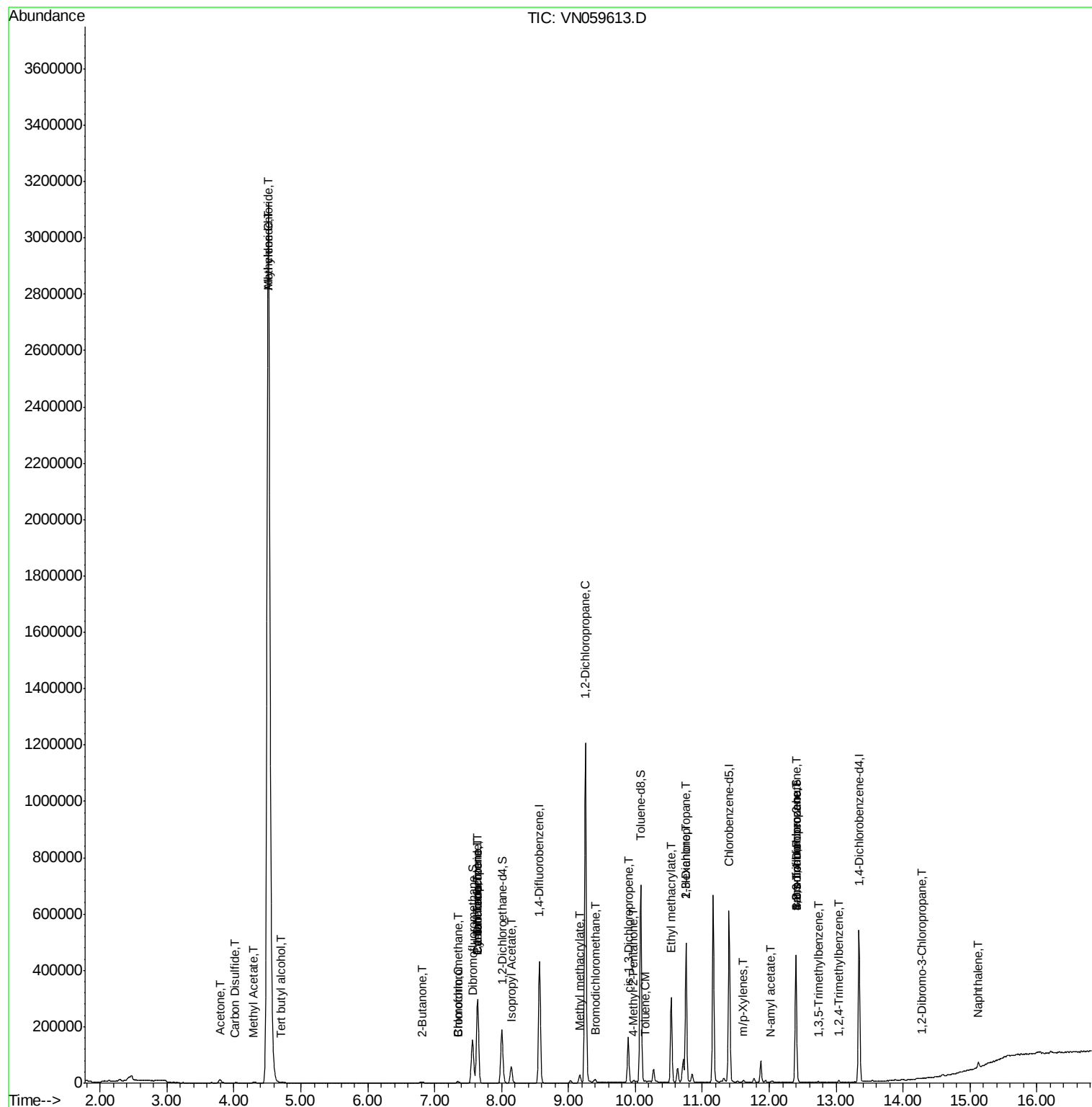
|                                |       |     |         |         |        | Qvalue |
|--------------------------------|-------|-----|---------|---------|--------|--------|
| 11) Tert butyl alcohol         | 4.71  | 59  | 845     | 1.372   | ug/l # | 72     |
| 14) Allyl chloride             | 4.52  | 41  | 87175   | 17.533  | ug/l # | 23     |
| 16) Acetone                    | 3.79  | 43  | 18825   | 9.436   | ug/l   | 98     |
| 17) Carbon Disulfide           | 4.01  | 76  | 825     | 1.977   | ug/l # | 75     |
| 18) Methyl Acetate             | 4.30  | 43  | 5105    | 1.221   | ug/l # | 69     |
| 20) Methylene Chloride         | 4.52  | 84  | 2397762 | 832.216 | ug/l   | 98     |
| 25) 2-Butanone                 | 6.81  | 43  | 3652    | 1.531   | ug/l   | 97     |
| 28) Bromochloromethane         | 7.35  | 49  | 294     | 0.603   | ug/l # | 18     |
| 30) Chloroform                 | 7.35  | 83  | 5090    | 0.996   | ug/l   | 98     |
| 31) Cyclohexane                | 7.64  | 56  | 5827    | 1.188   | ug/l # | 7      |
| 36) 1,1-Dichloropropene        | 7.64  | 75  | 19058   | 4.984   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.64  | 117 | 23421   | 5.903   | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.14  | 43  | 68506   | 9.915   | ug/l # | 90     |
| 45) 1,2-Dichloropropane        | 9.25  | 63  | 1425    | 0.472   | ug/l # | 44     |
| 47) Bromodichloromethane       | 9.39  | 83  | 1460    | 0.370   | ug/l # | 93     |
| 48) Methyl methacrylate        | 9.17  | 41  | 4615    | 1.472   | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43  | 6084    | 1.477   | ug/l   | 89     |
| 52) Toluene                    | 10.14 | 92  | 1851    | 0.270   | ug/l   | 92     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75  | 27225   | 5.682   | ug/l # | 64     |
| 56) Ethyl methacrylate         | 10.53 | 69  | 1155    | 0.289   | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 4740    | 1.010   | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43  | 73736   | 22.710  | ug/l # | 53     |
| 68) m/p-Xylenes                | 11.62 | 106 | 1736    | 0.354   | ug/l   | 78     |
| 71) Bromoform                  | 12.40 | 173 | 1162    | 0.553   | ug/l # | 1      |
| 74) N-amyl acetate             | 12.03 | 43  | 3900    | 0.800   | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 82790   | 24.715  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 2024    | 0.225   | ug/l   | 86     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 82790   | 61.042  | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 4307    | 0.482   | ug/l   | 99     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75  | 255     | 1.885   | ug/l # | 6      |
| 95) Naphthalene                | 15.13 | 128 | 14123   | 1.547   | ug/l   | 99     |

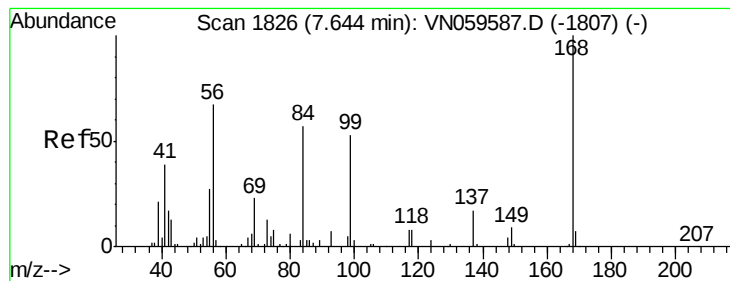
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN121619\  
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Sample : K6113-10  
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ALS Vial : 19 Sample Multiplier: 1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

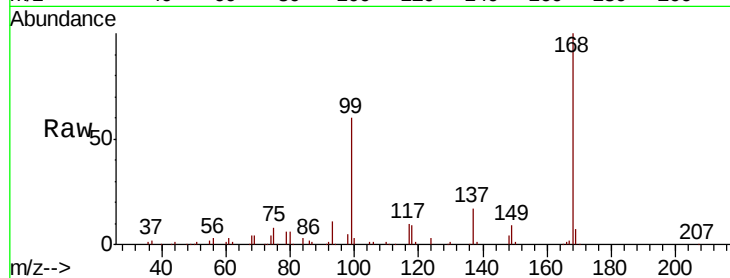
OR-02-121319

Tgt Ion:168 Resp: 230914

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

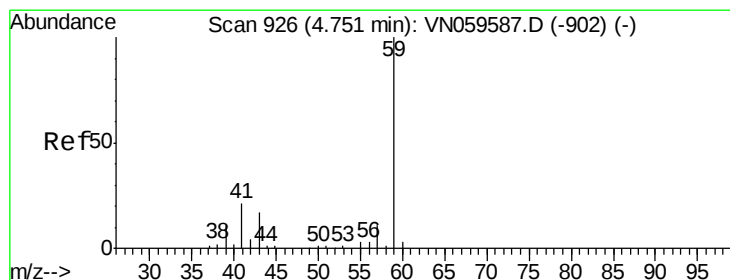
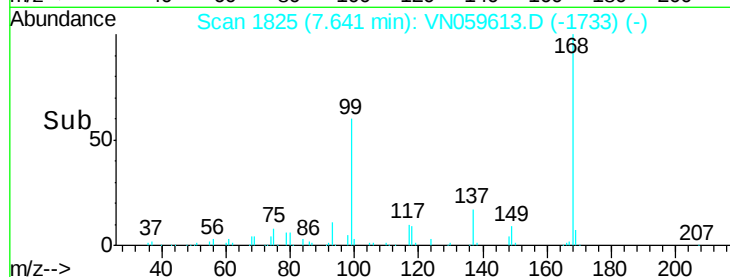
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.372 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.04 min

Lab File: VN059613.D

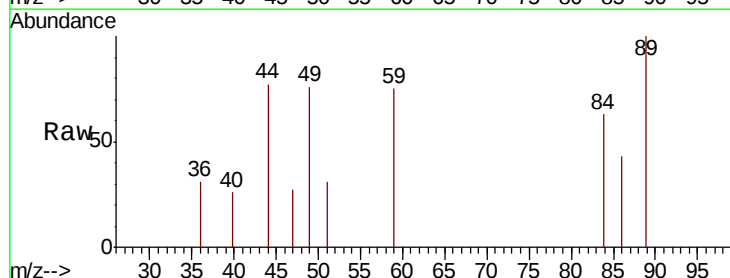
Acq: 16 Dec 2019 19:13

Tgt Ion: 59 Resp: 845

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

500

400

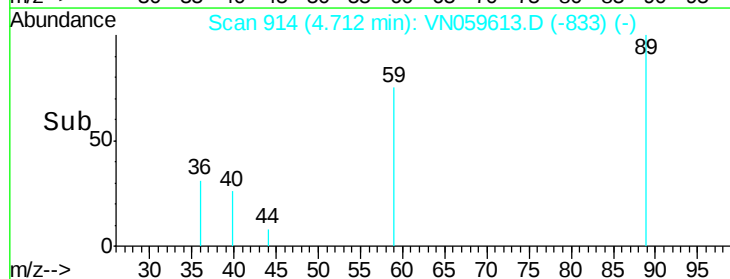
300

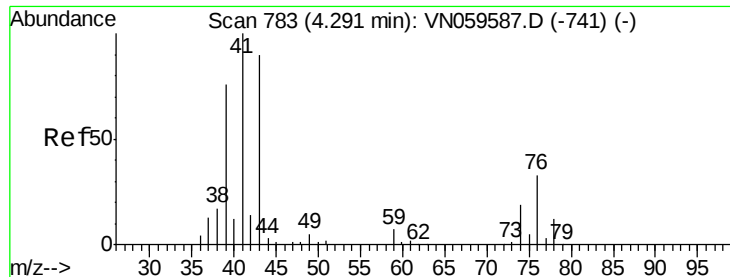
200

100

0

Time-->

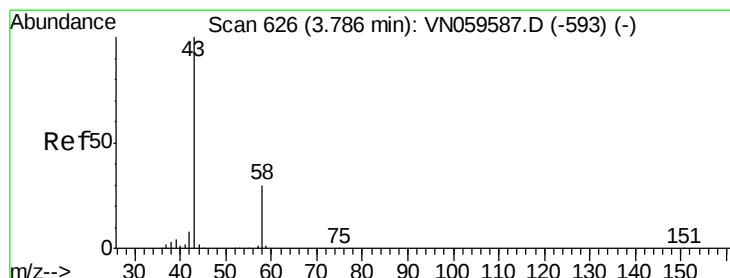
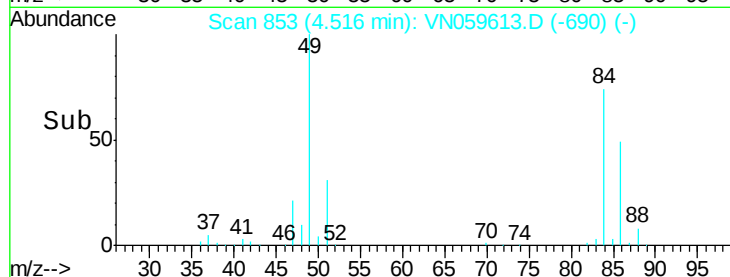
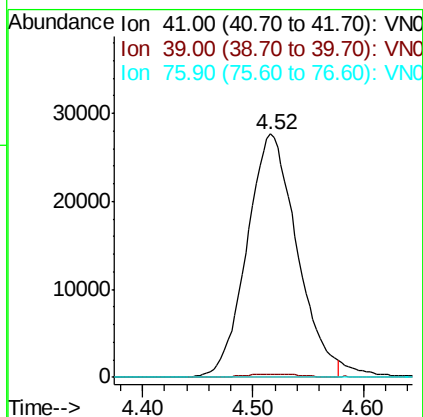
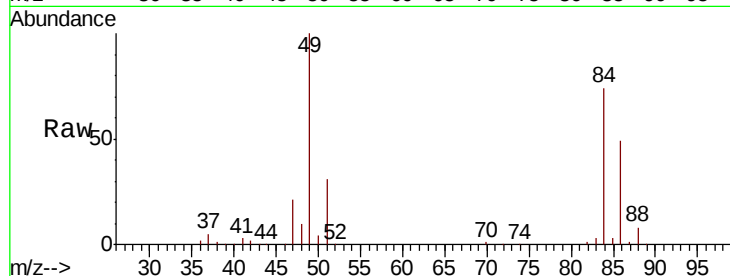




#14  
 Allyl chloride  
 Concen: 17.533 ug/l  
 RT: 4.52 min Scan# 853  
 Delta R.T. 0.22 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

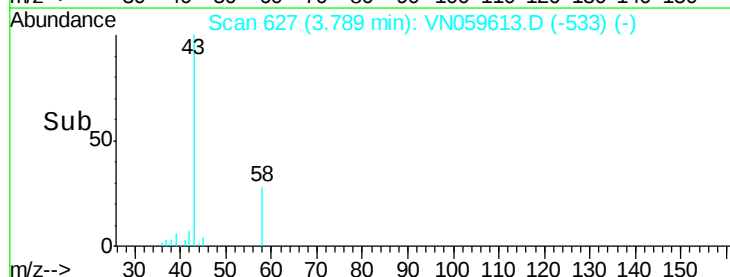
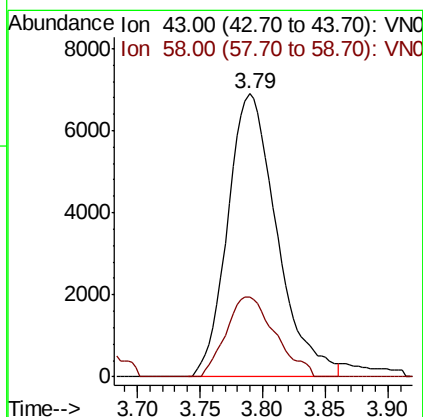
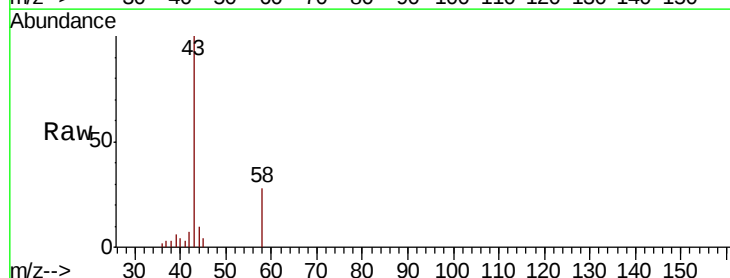
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-121319

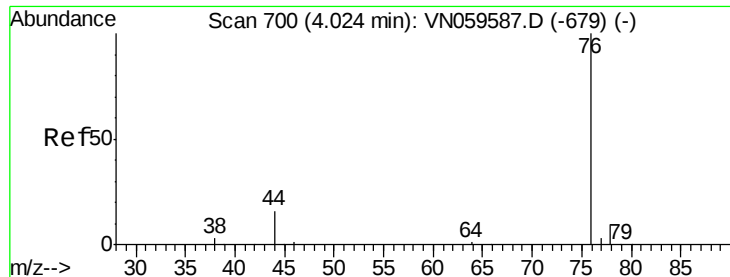
Tgt Ion: 41 Resp: 87175  
 Ion Ratio Lower Upper  
 41 100  
 39 0.9 57.8 86.8#  
 76 0.0 25.4 38.0#



#16  
 Acetone  
 Concen: 9.436 ug/l  
 RT: 3.79 min Scan# 627  
 Delta R.T. 0.00 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

Tgt Ion: 43 Resp: 18825  
 Ion Ratio Lower Upper  
 43 100  
 58 28.3 23.6 35.4

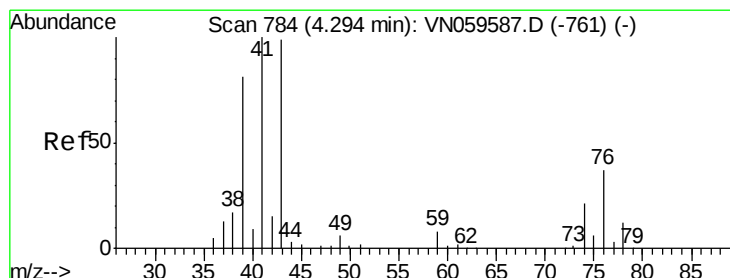
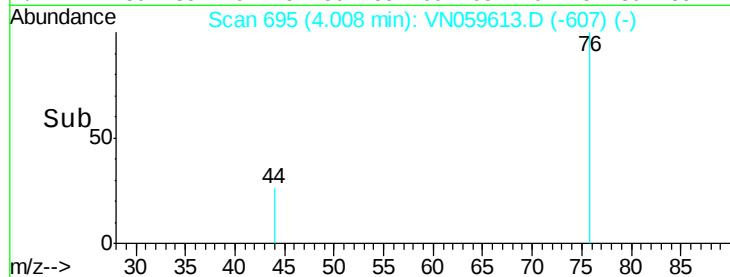
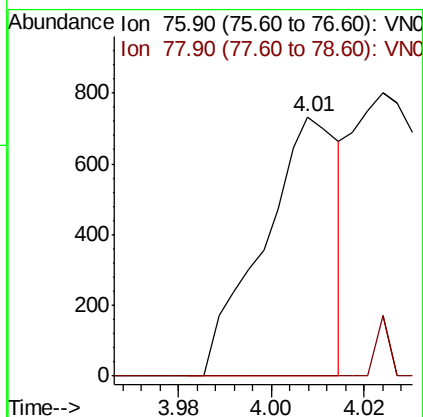
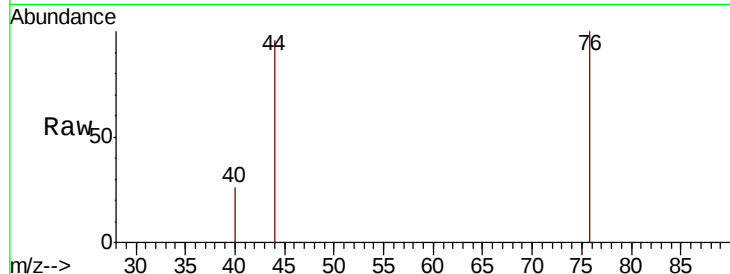




#17  
Carbon Disulfide  
Concen: 1.977 ug/l  
RT: 4.01 min Scan# 695  
Delta R.T. -0.02 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

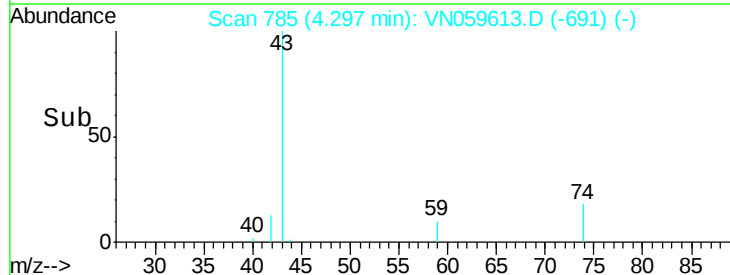
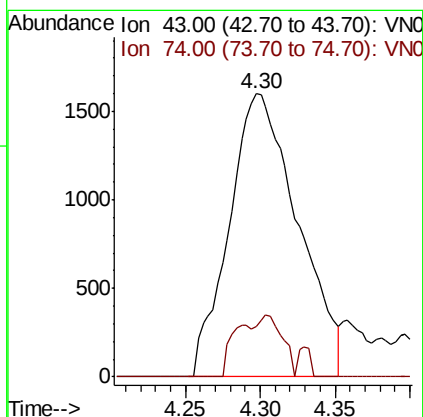
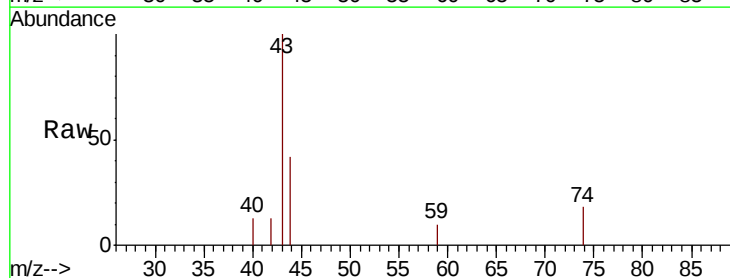
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-121319

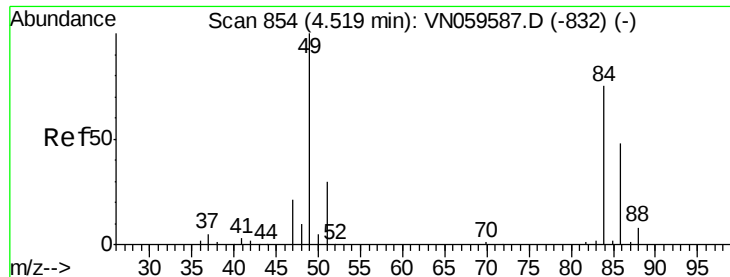
Tgt Ion: 76 Resp: 825  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



#18  
Methyl Acetate  
Concen: 1.221 ug/l  
RT: 4.30 min Scan# 785  
Delta R.T. 0.00 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Tgt Ion: 43 Resp: 5105  
Ion Ratio Lower Upper  
43 100  
74 7.2 17.5 26.3#



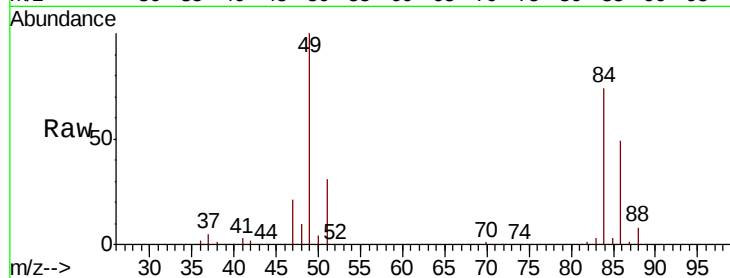


#20  
Methylene Chloride  
Concen: 832.216 ug/l  
RT: 4.52 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-121319

Tgt Ion: 84 Resp: 2397762

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 134.3 | 106.6 | 160.0 |
| 51  | 41.7  | 31.9  | 47.9  |
| 86  | 65.3  | 50.8  | 76.2  |

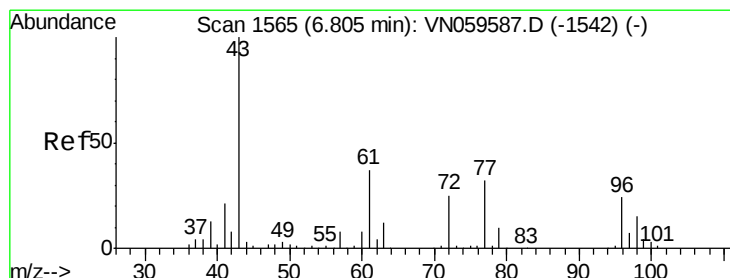
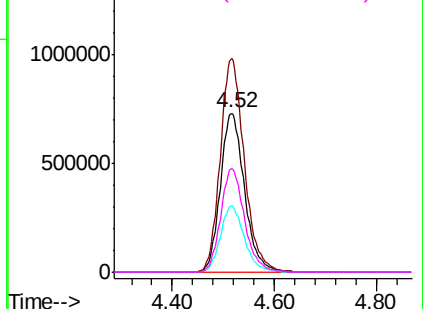
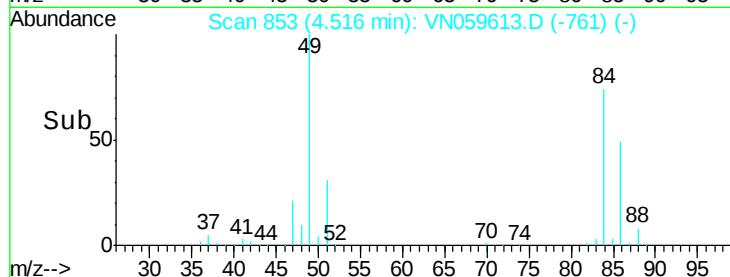


Abundance Ion 83.90 (83.60 to 84.60): VN059613.D (-1472) (-)

Ion 48.90 (48.60 to 49.60): VN059613.D (-1472) (-)

Ion 50.90 (50.60 to 51.60): VN059613.D (-1472) (-)

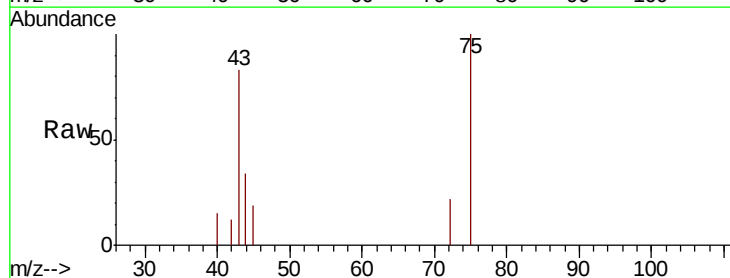
Ion 85.90 (85.60 to 86.60): VN059613.D (-1472) (-)



#25  
2-Butanone  
Concen: 1.531 ug/l  
RT: 6.81 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

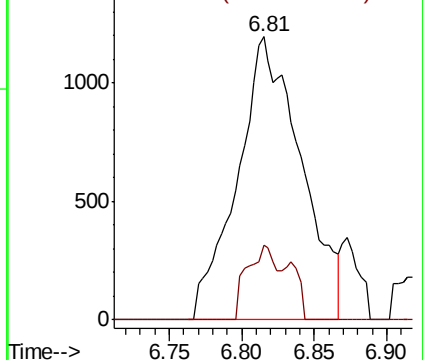
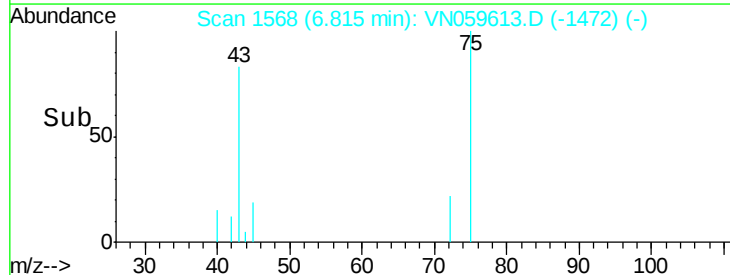
Tgt Ion: 43 Resp: 3652

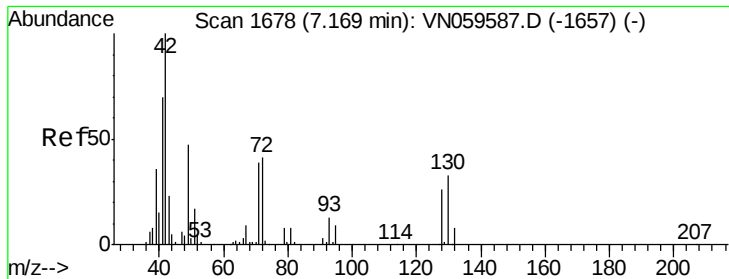
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.2  | 19.9  | 29.9  |



Abundance Ion 43.00 (42.70 to 43.70): VN059613.D (-1472) (-)

Ion 72.00 (71.70 to 72.70): VN059613.D (-1472) (-)

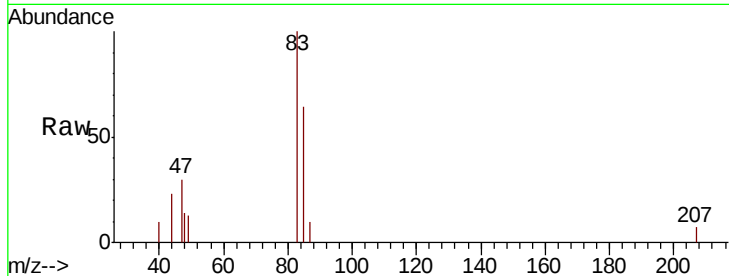




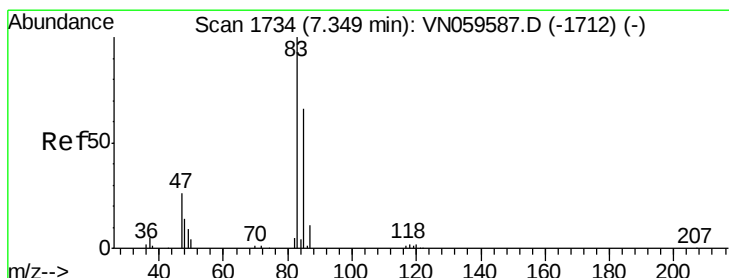
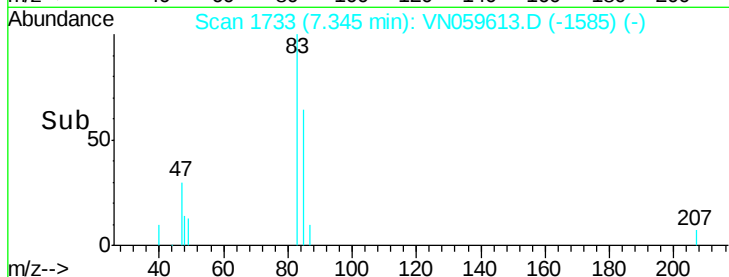
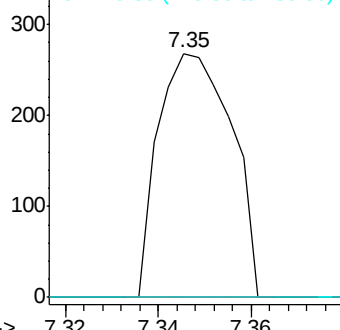
#28  
Bromochloromethane  
Concen: 0.603 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.18 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Instrument :  
MSVOA\_N  
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Tgt Ion: 49 Resp: 294  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.4  
130 0.0 54.7 82.1#

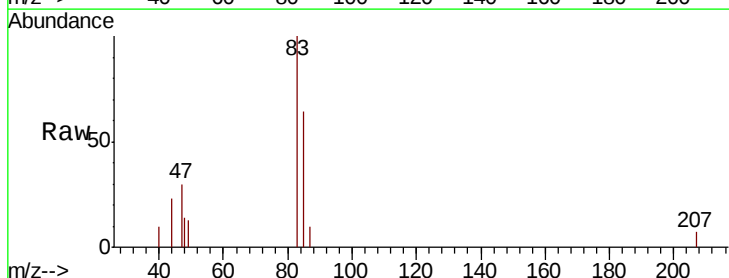


Abundance Ion 48.90 (48.60 to 49.60): VN059613.D (-1585) (-)  
Ion 128.80 (128.50 to 129.50): VN059613.D (-1585) (-)  
Ion 129.80 (129.50 to 130.50): VN059613.D (-1585) (-)

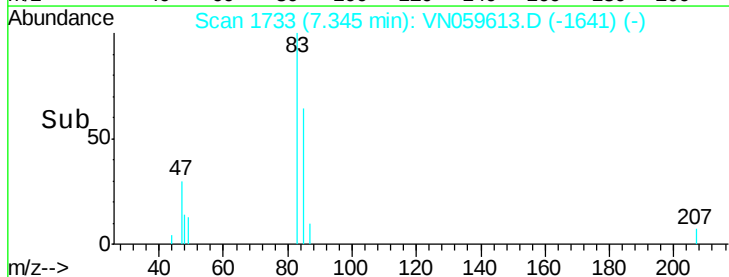
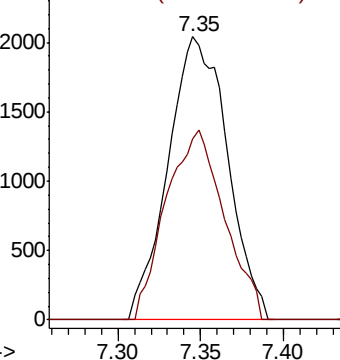


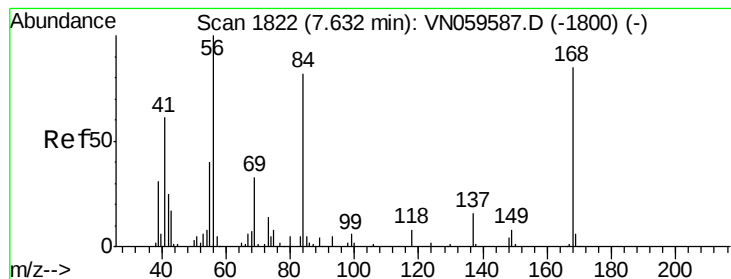
#30  
Chloroform  
Concen: 0.996 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Tgt Ion: 83 Resp: 5090  
Ion Ratio Lower Upper  
83 100  
85 63.8 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN059613.D (-1641) (-)  
Ion 84.90 (84.60 to 85.60): VN059613.D (-1641) (-)





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

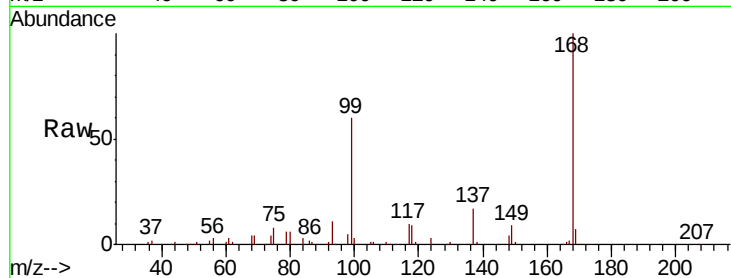
Tgt Ion: 56 Resp: 5827

Ion Ratio Lower Upper

56 100

69 151.8 26.5 39.7#

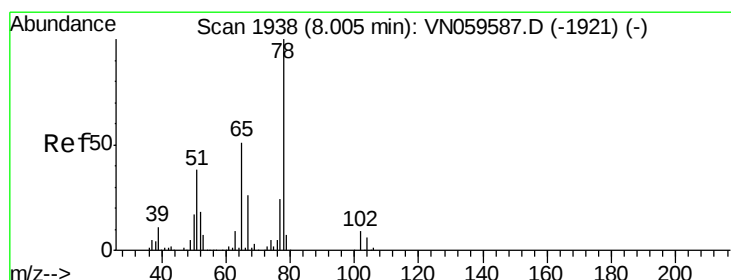
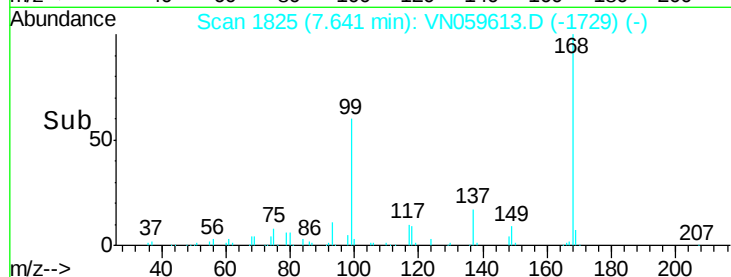
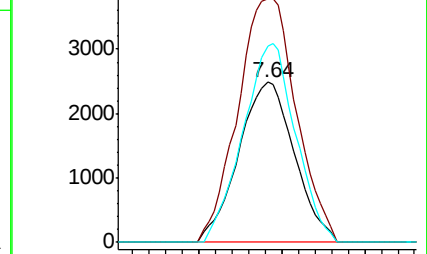
84 122.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059613.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059613.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059613.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.678 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059613.D

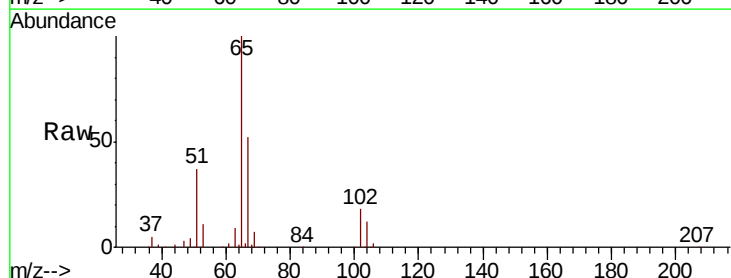
Acq: 16 Dec 2019 19:13

Tgt Ion: 65 Resp: 166926

Ion Ratio Lower Upper

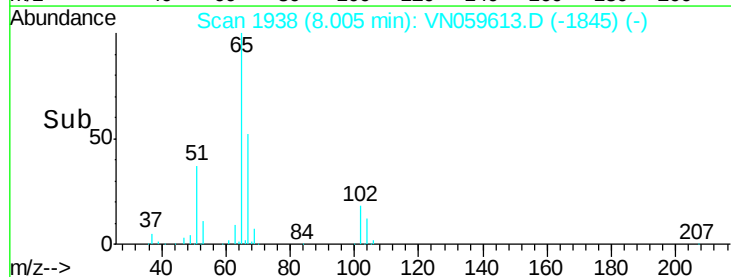
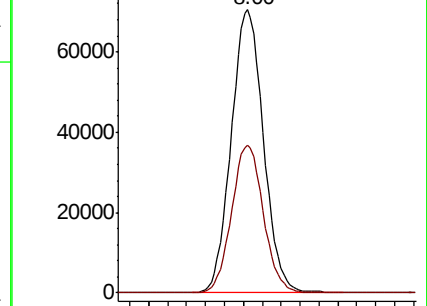
65 100

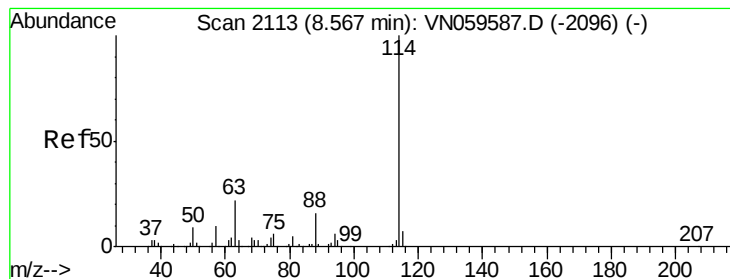
67 51.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059613.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059613.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

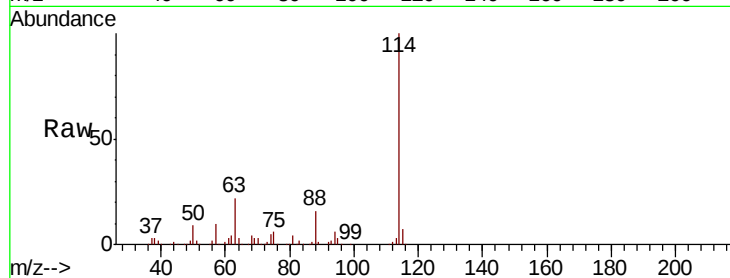
Tgt Ion:114 Resp: 366660

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.6

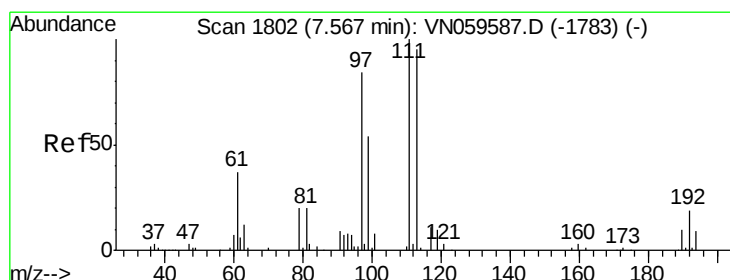
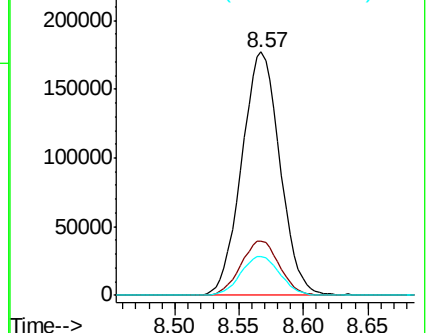
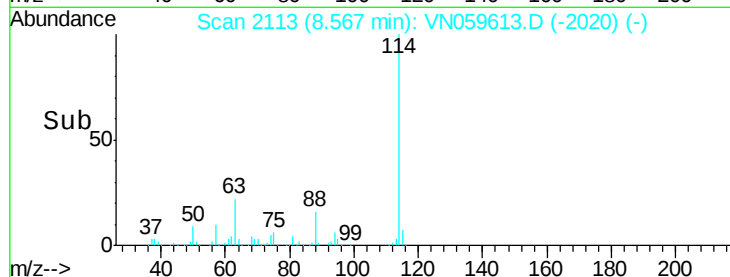
88 16.2 0.0 31.4



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: 51.006 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

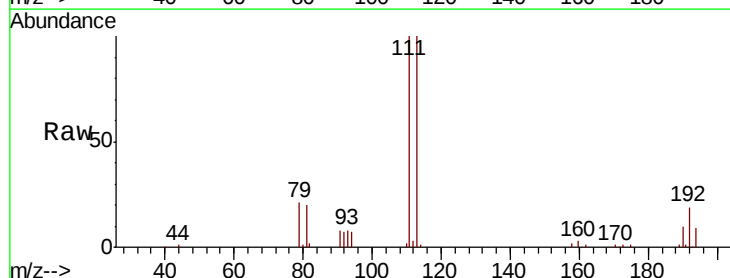
Tgt Ion:113 Resp: 117015

Ion Ratio Lower Upper

113 100

111 103.8 83.5 125.3

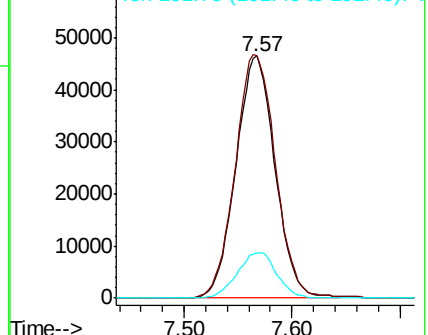
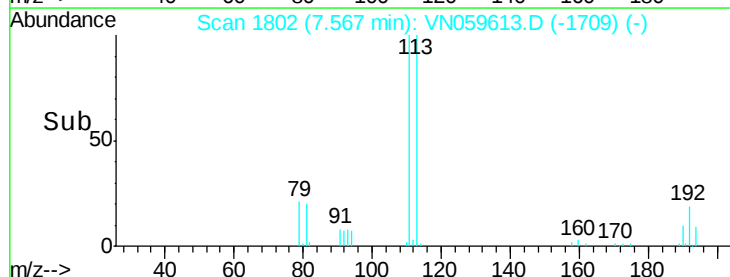
192 19.0 15.4 23.2

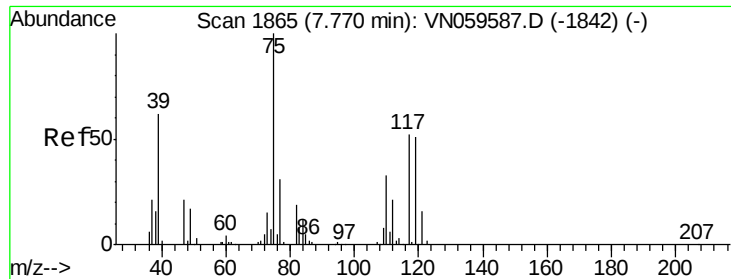


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

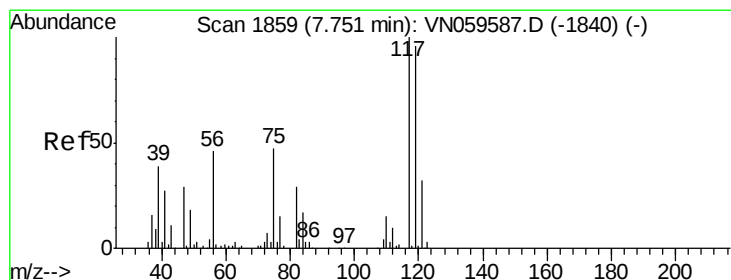
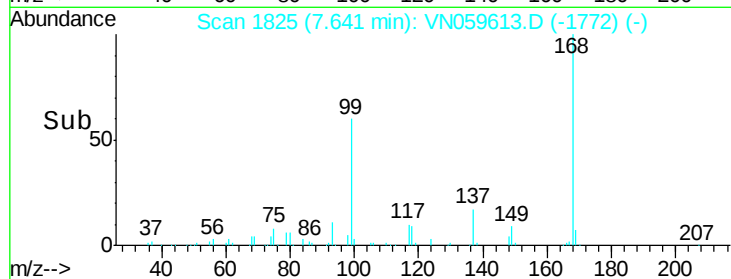
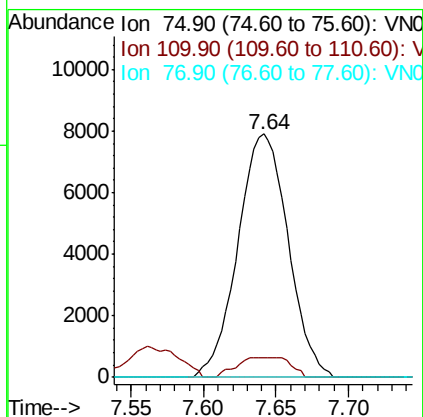
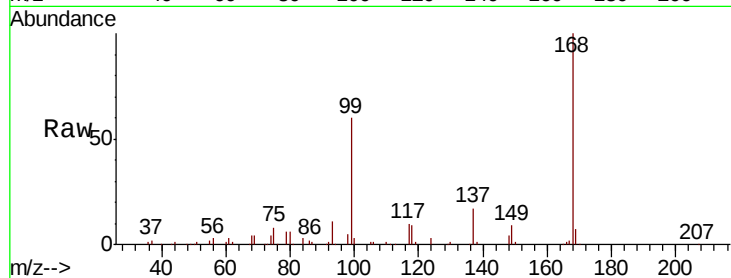




#36  
 1,1-Dichloropropene  
 Concen: 4.984 ug/l  
 RT: 7.64 min Scan# 1825  
 Delta R.T. -0.13 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

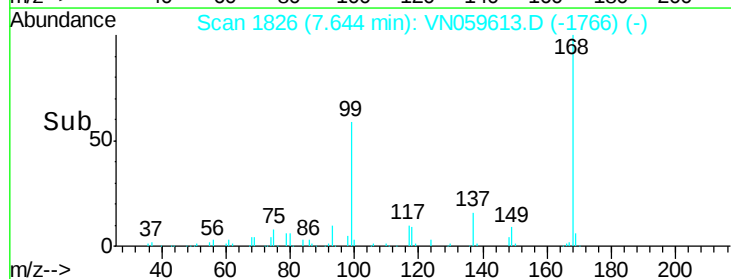
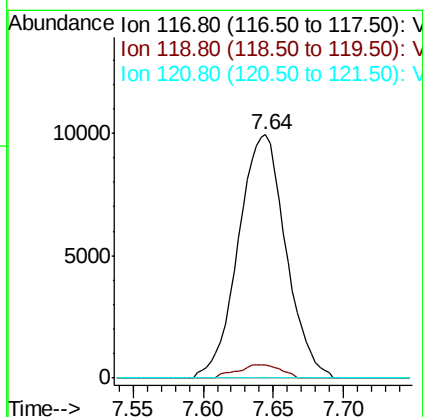
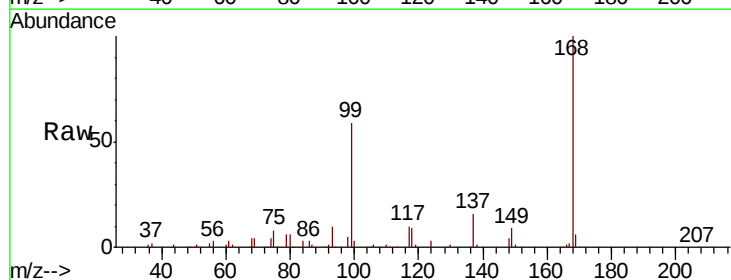
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-121319

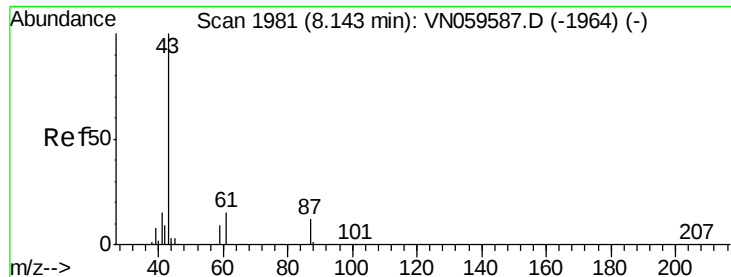
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.6   | 16.6  | 49.7# |
| 77      | 0.0   | 25.1  | 37.7# |



#38  
 Carbon Tetrachloride  
 Concen: 5.903 ug/l  
 RT: 7.64 min Scan# 1826  
 Delta R.T. -0.11 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.3   | 76.5  | 114.7# |
| 121     | 0.0   | 25.1  | 37.7#  |





#43

Isopropyl Acetate

Concen: 9.915 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

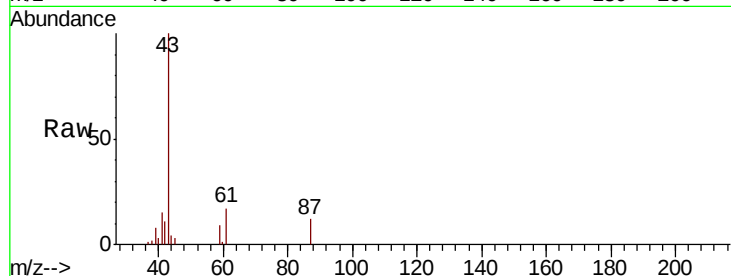
Tgt Ion: 43 Resp: 68506

Ion Ratio Lower Upper

43 100

61 18.1 20.2 30.2#

87 11.5 9.5 14.3

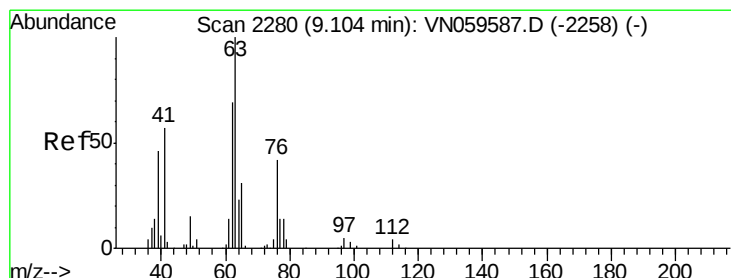
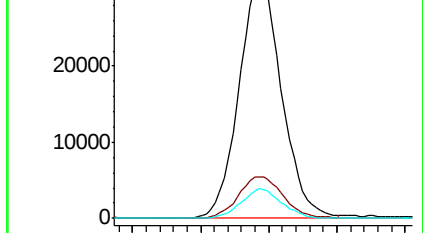
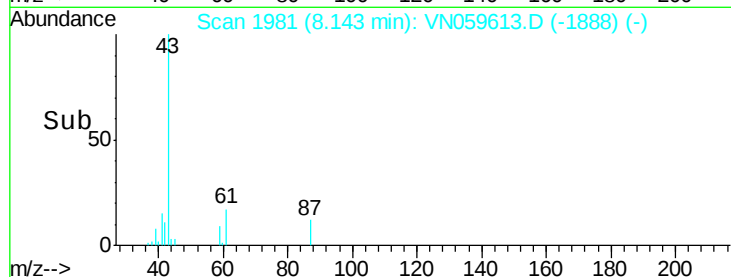


Abundance Ion 43.00 (42.70 to 43.70): VN059613.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059613.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059613.D (-1888) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.472 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059613.D

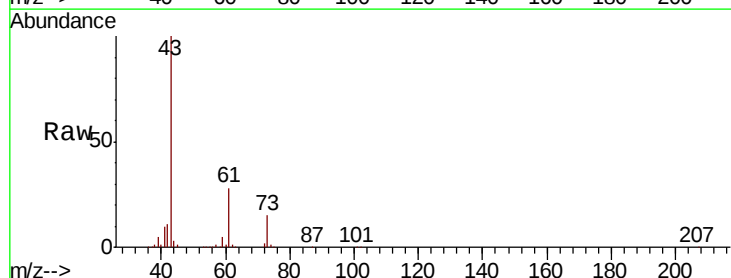
Acq: 16 Dec 2019 19:13

Tgt Ion: 63 Resp: 1425

Ion Ratio Lower Upper

63 100

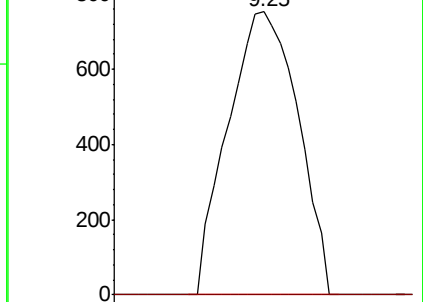
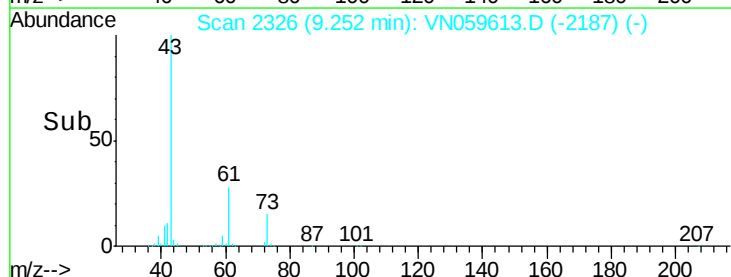
65 0.0 24.9 37.3#

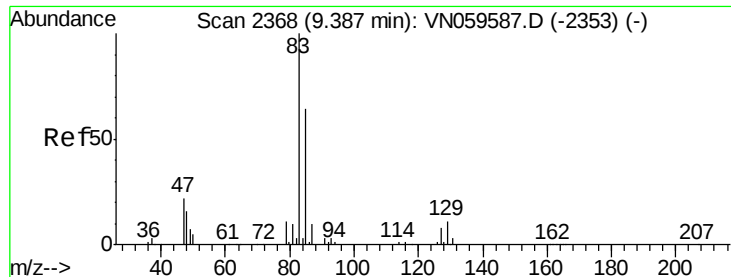


Abundance Ion 62.90 (62.60 to 63.60): VN059613.D (-2187) (-)

Ion 64.90 (64.60 to 65.60): VN059613.D (-2187) (-)

Time-->





#47

Bromodichloromethane

Concen: 0.370 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

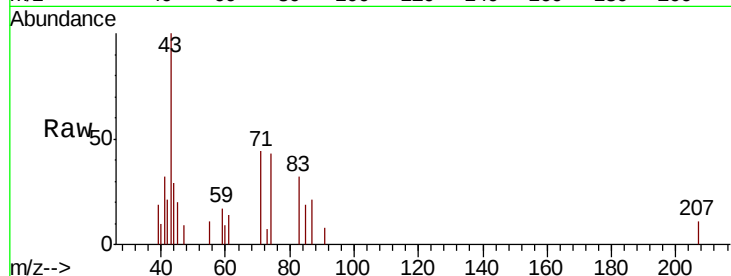
Tgt Ion: 83 Resp: 1460

Ion Ratio Lower Upper

83 100

85 60.1 51.1 76.7

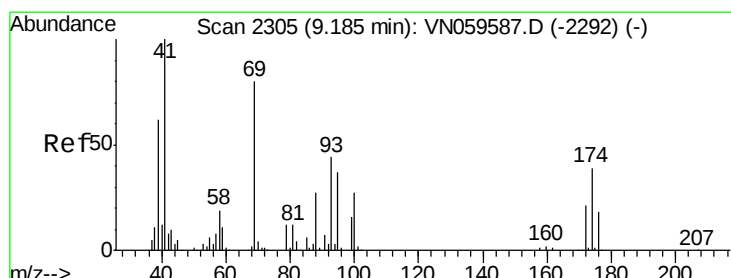
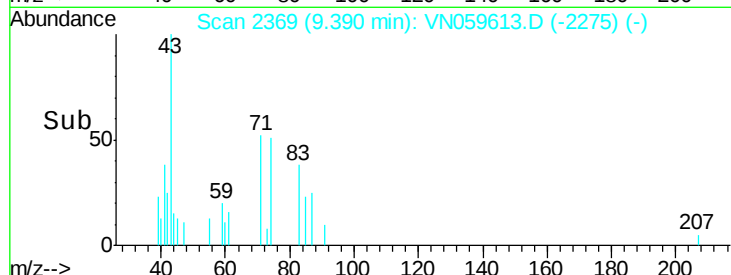
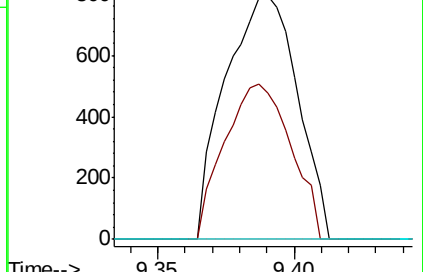
127 0.0 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 1.472 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

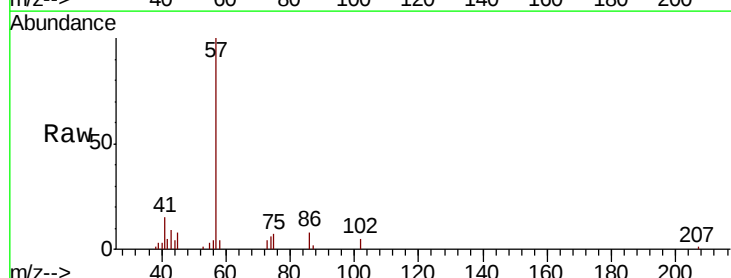
Tgt Ion: 41 Resp: 4615

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

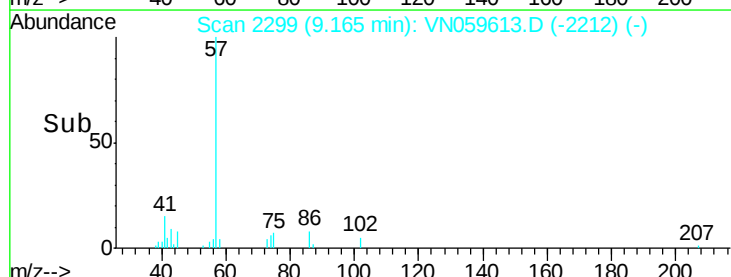
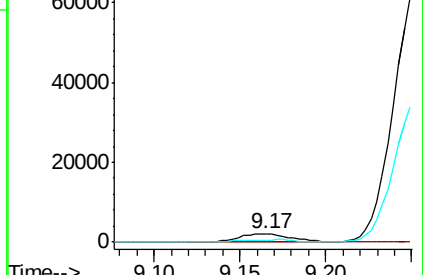
39 0.0 51.3 76.9#

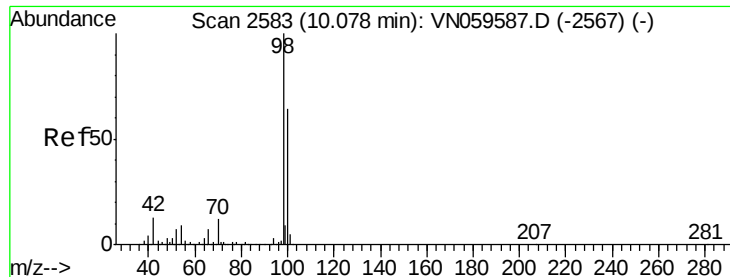


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 51.382 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

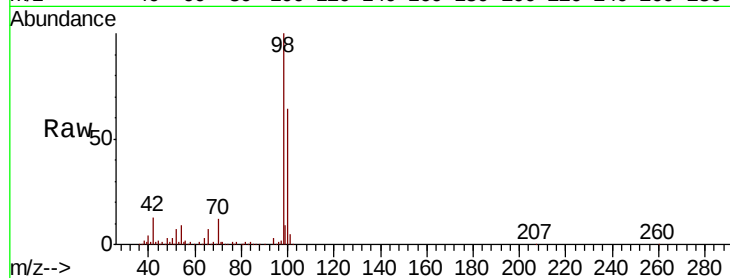
OR-02-121319

Tgt Ion: 98 Resp: 466696

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059587.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059587.D (-2567) (-)

10.08

250000

200000

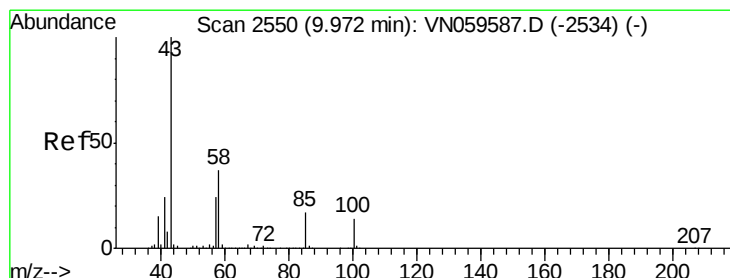
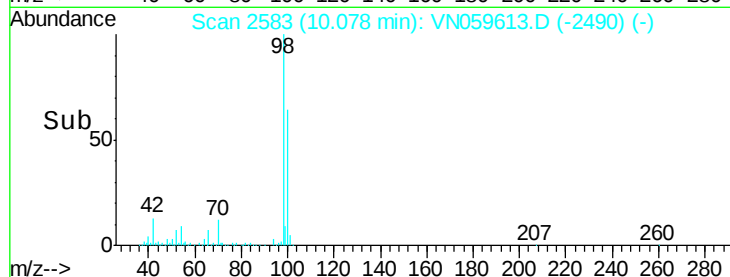
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.477 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059613.D

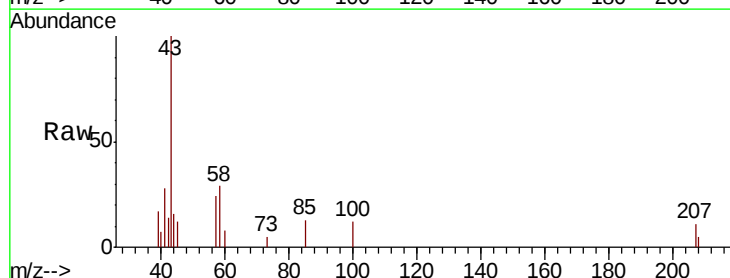
Acq: 16 Dec 2019 19:13

Tgt Ion: 43 Resp: 6084

Ion Ratio Lower Upper

43 100

58 30.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

20000

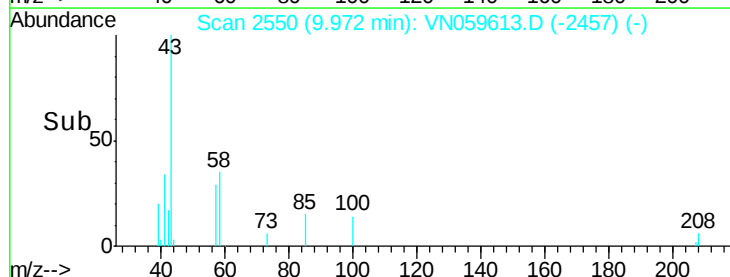
15000

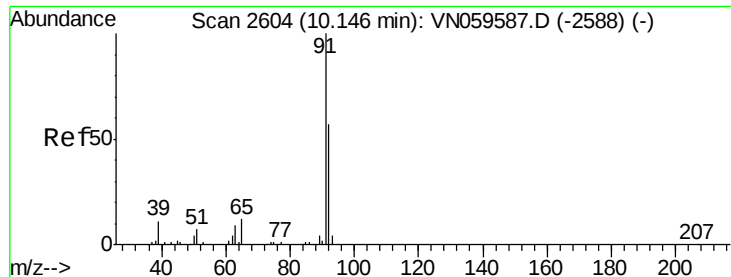
10000

5000

0

Time-->





#52

Toluene

Concen: 0.270 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

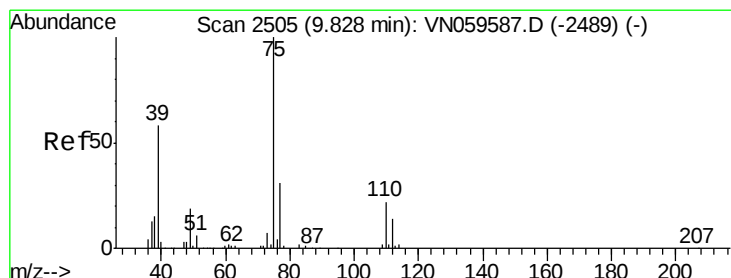
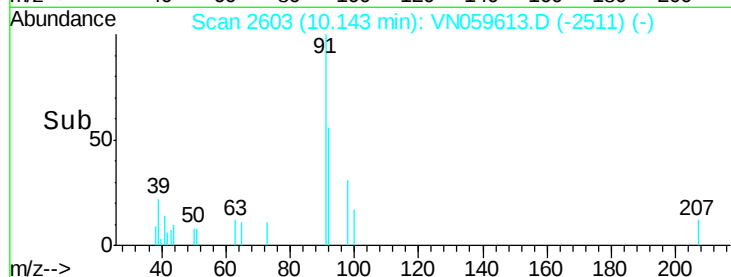
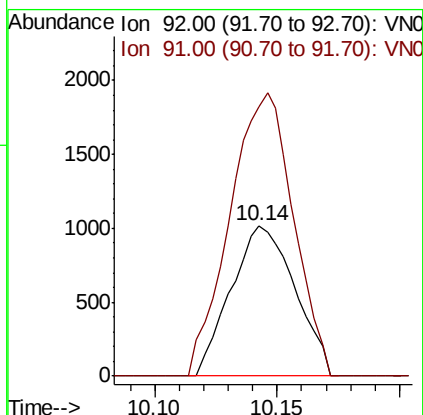
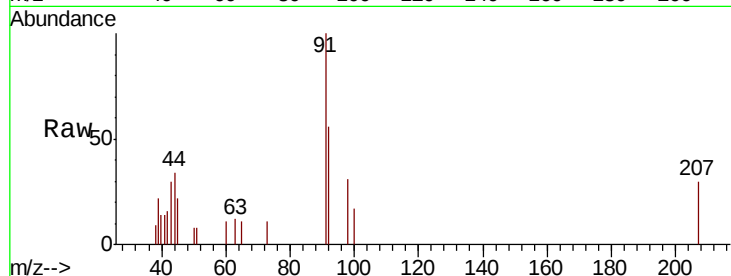
OR-02-121319

Tgt Ion: 92 Resp: 1851

Ion Ratio Lower Upper

92 100

91 186.6 140.4 210.6



#54

cis-1,3-Dichloropropene

Concen: 5.682 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.06 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

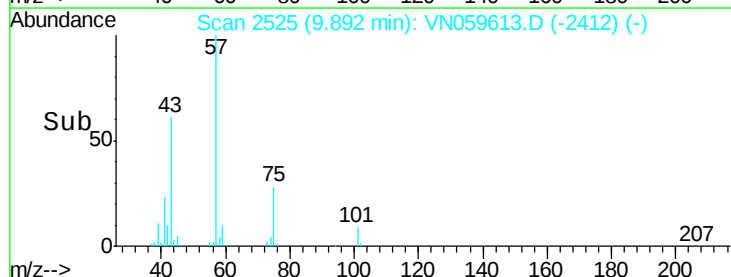
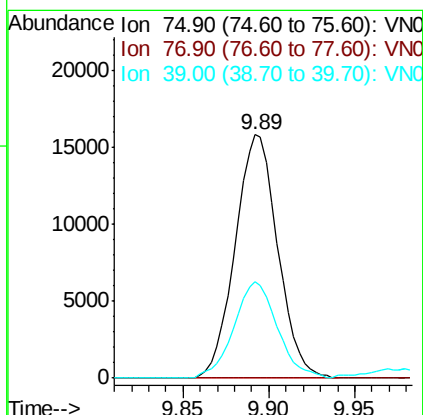
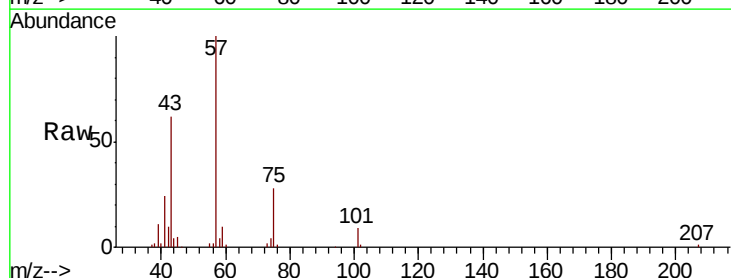
Tgt Ion: 75 Resp: 27225

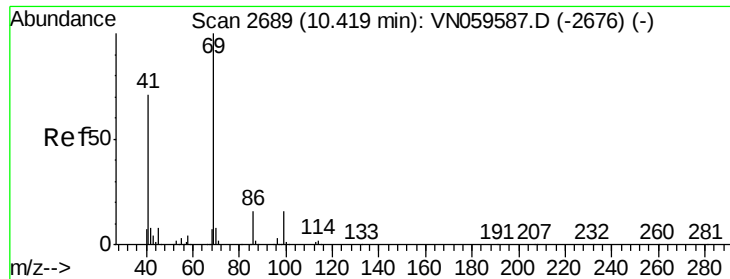
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 39.8 46.1 69.1#





#56

Ethyl methacrylate

Concen: 0.289 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

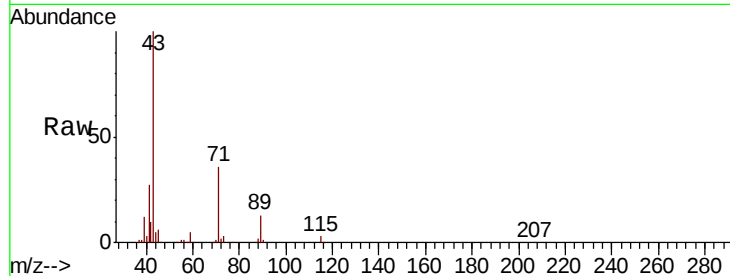
Tgt Ion: 69 Resp: 1155

Ion Ratio Lower Upper

69 100

41 5214.8 57.1 85.7#

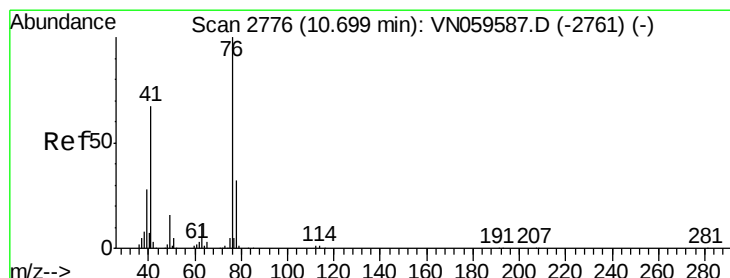
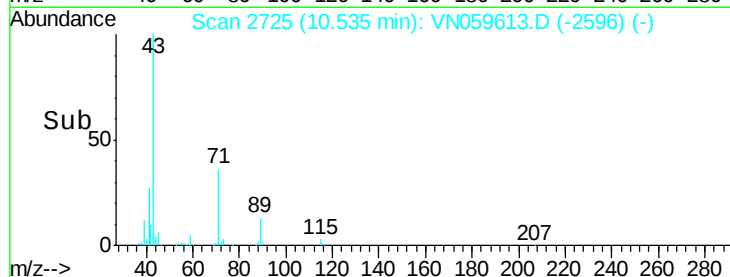
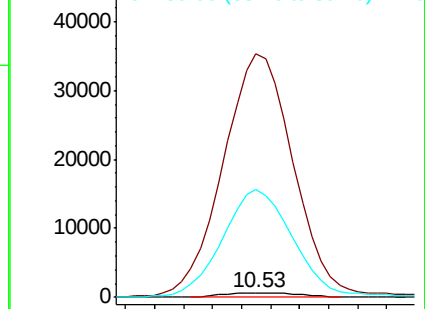
39 2313.9 34.7 52.1#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.010 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059613.D

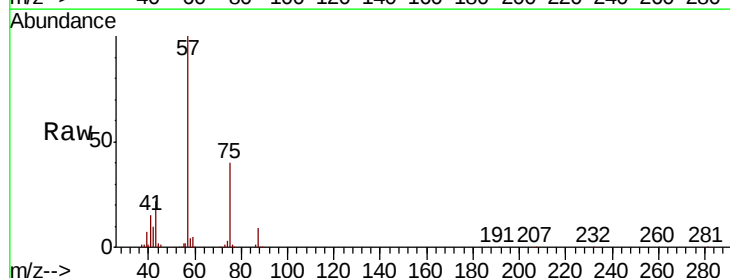
Acq: 16 Dec 2019 19:13

Tgt Ion: 76 Resp: 4740

Ion Ratio Lower Upper

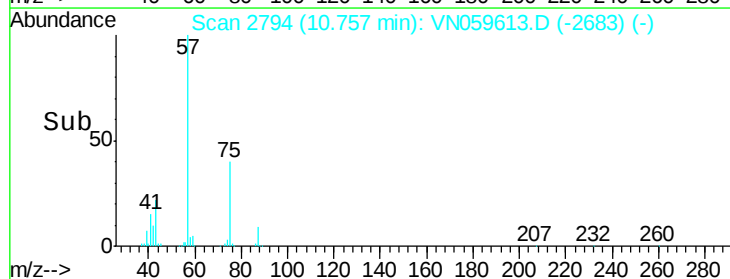
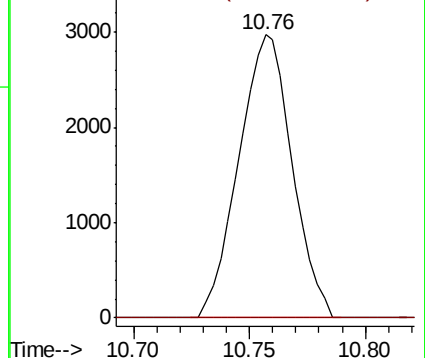
76 100

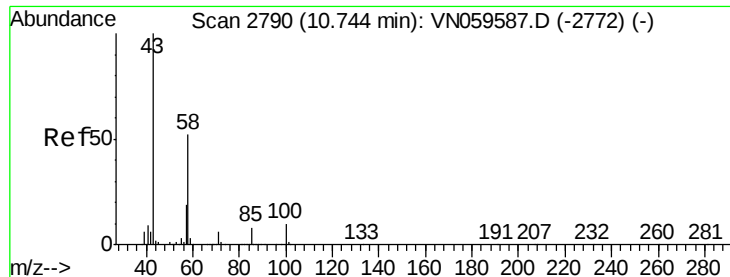
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 22.710 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampled :

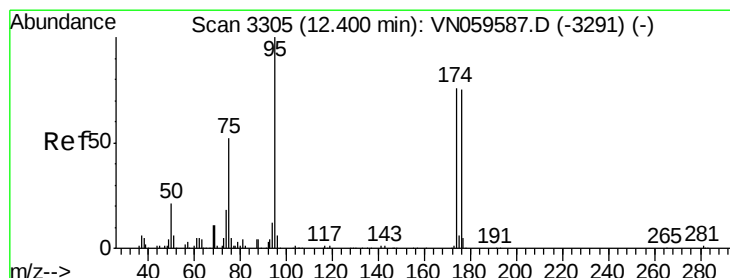
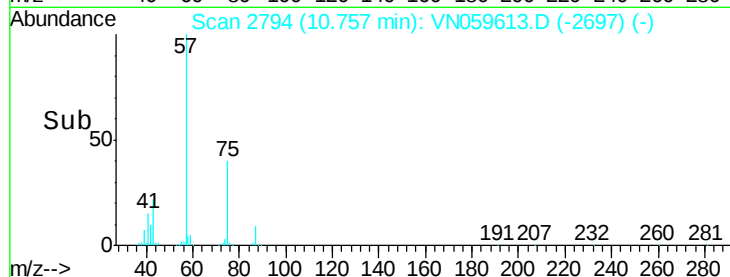
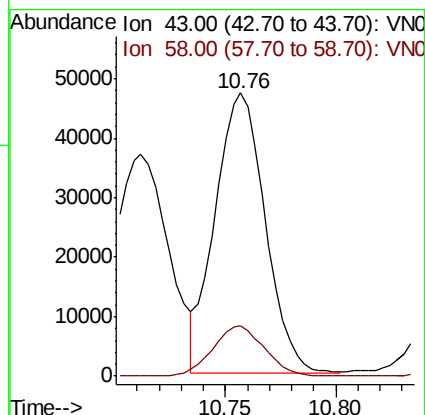
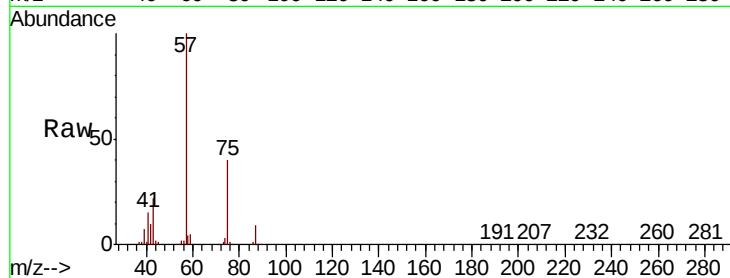
OR-02-121319

Tgt Ion: 43 Resp: 73736

Ion Ratio Lower Upper

43 100

58 18.6 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 46.806 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

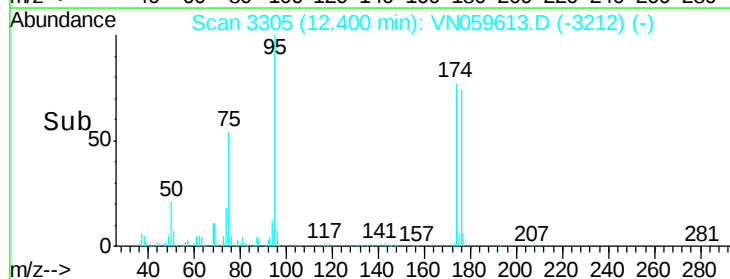
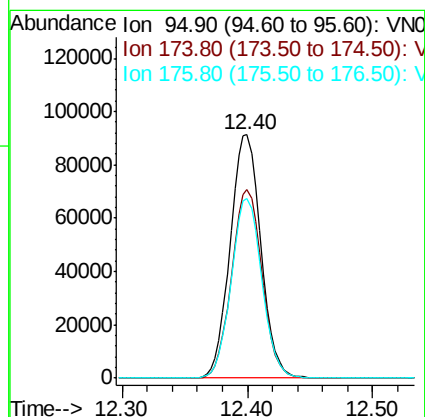
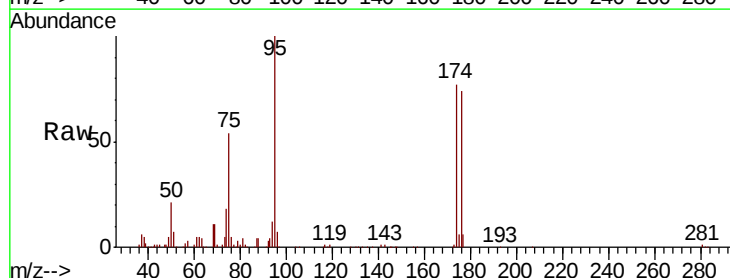
Tgt Ion: 95 Resp: 155128

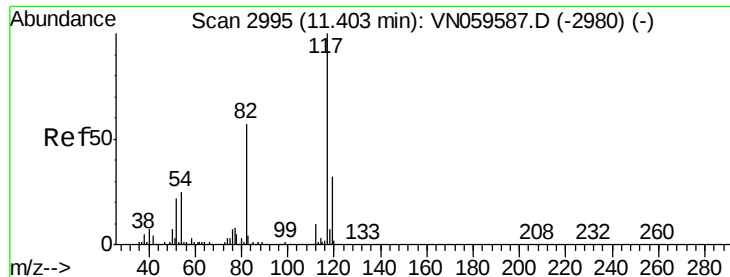
Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.4

176 73.6 0.0 146.0

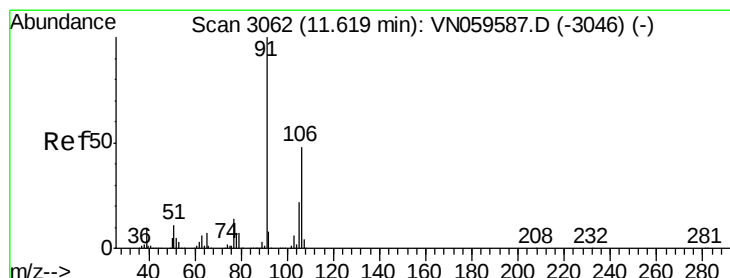
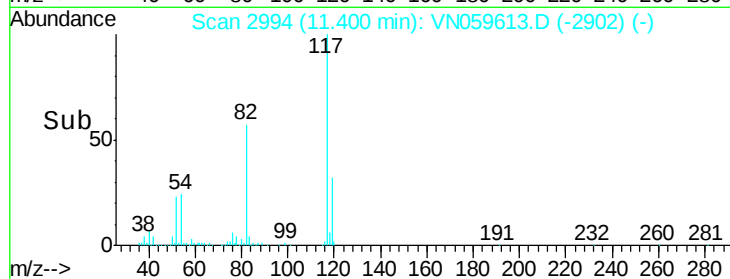
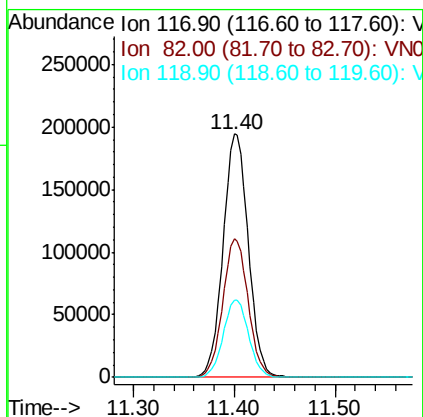
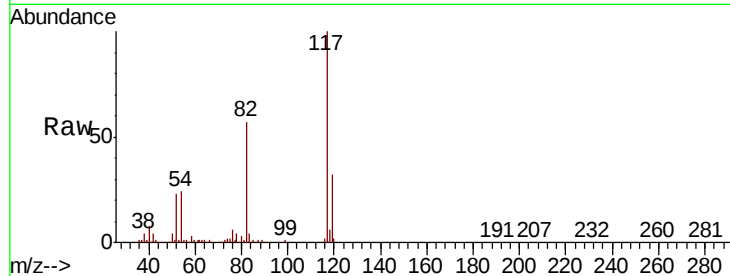




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

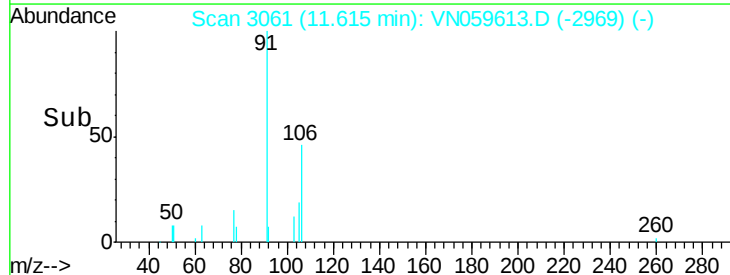
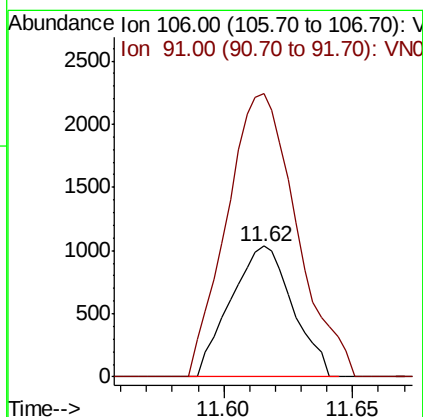
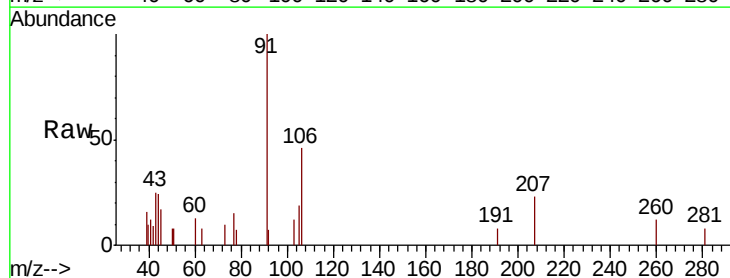
Instrument :  
MSVOA\_N  
ClientSampled :  
OR-02-121319

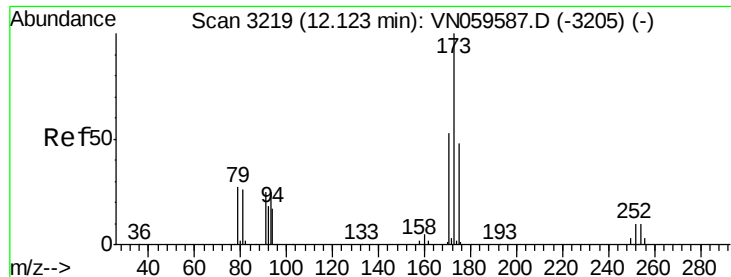
Tgt Ion:117 Resp: 339882  
Ion Ratio Lower Upper  
117 100  
82 57.0 45.9 68.9  
119 31.8 25.5 38.3



#68  
m/p-Xylenes  
Concen: 0.354 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Tgt Ion:106 Resp: 1736  
Ion Ratio Lower Upper  
106 100  
91 244.0 167.9 251.9

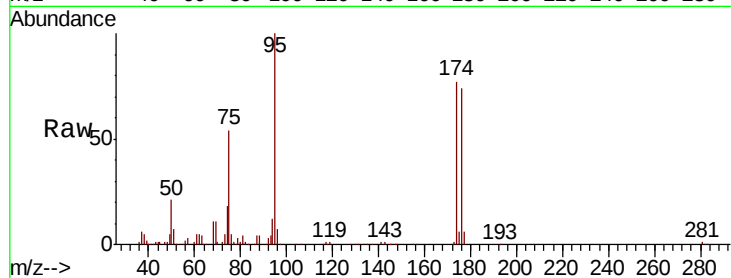




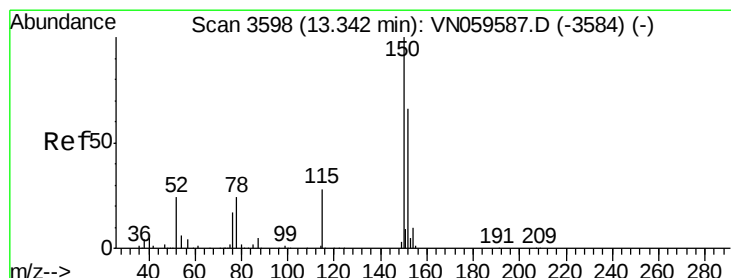
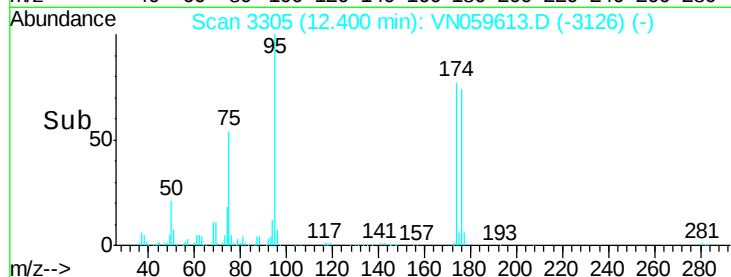
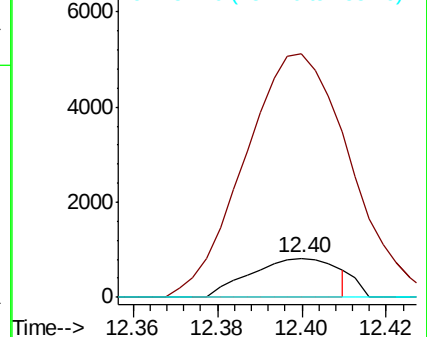
#71  
Bromoform  
Concen: 0.553 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.28 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-121319

Tgt Ion:173 Resp: 1162  
Ion Ratio Lower Upper  
173 100  
175 654.3 23.8 71.4#  
254 0.0 0.0 0.0

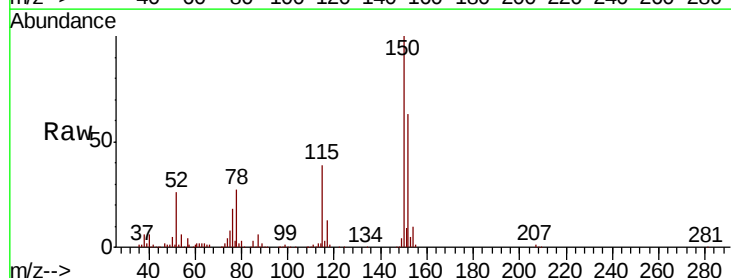


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

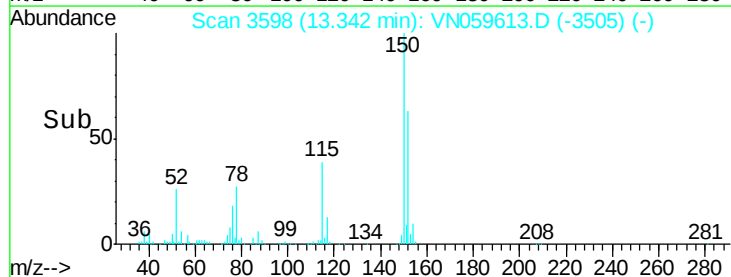
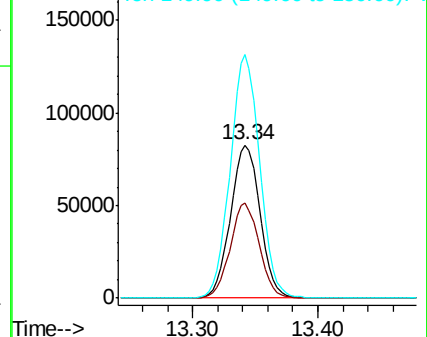


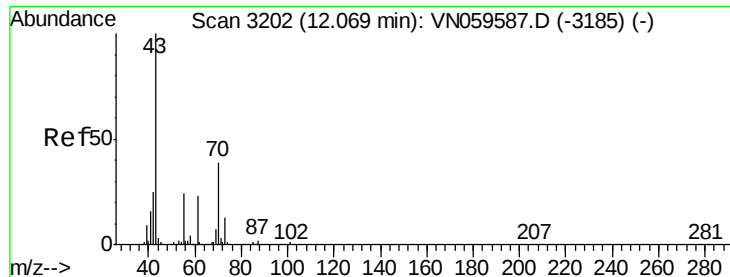
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

Tgt Ion:152 Resp: 135317  
Ion Ratio Lower Upper  
152 100  
115 60.9 30.3 90.9  
150 158.1 0.0 345.2



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

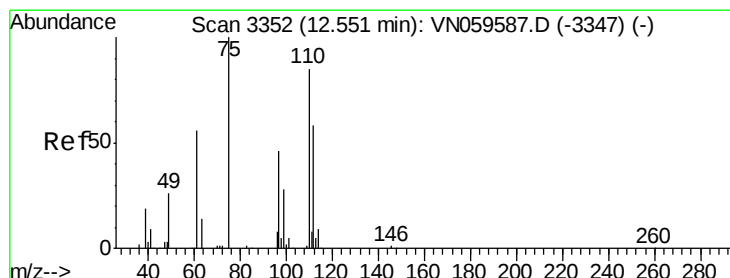
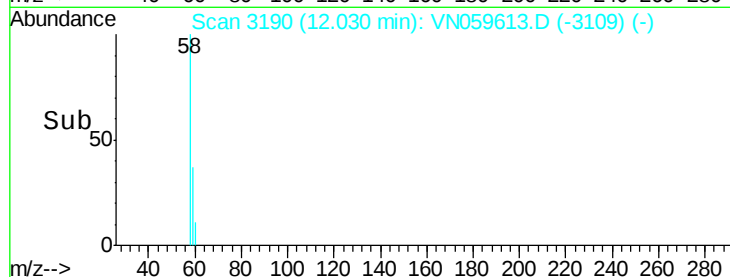
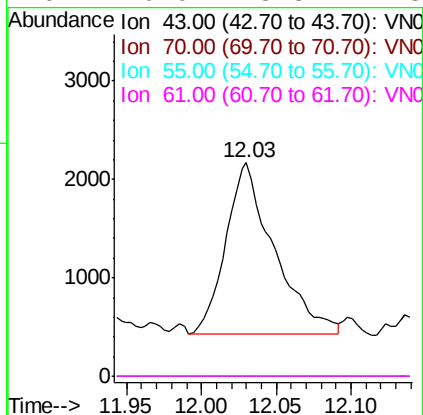
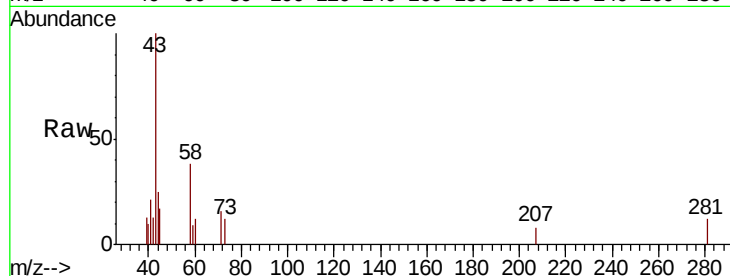




#74  
N-ethyl acetate  
Concen: 0.800 ug/l  
RT: 12.03 min Scan# 3190  
Delta R.T. -0.04 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

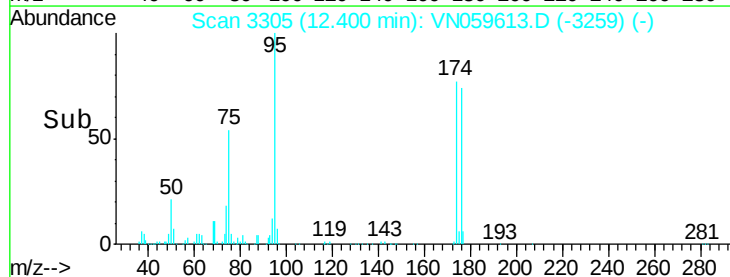
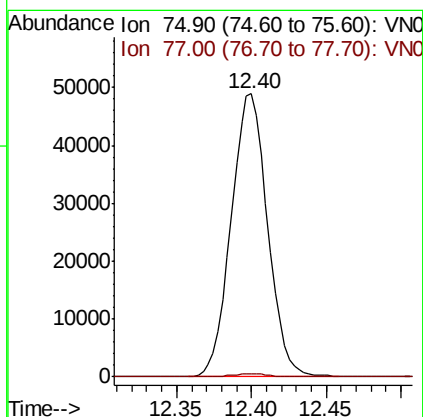
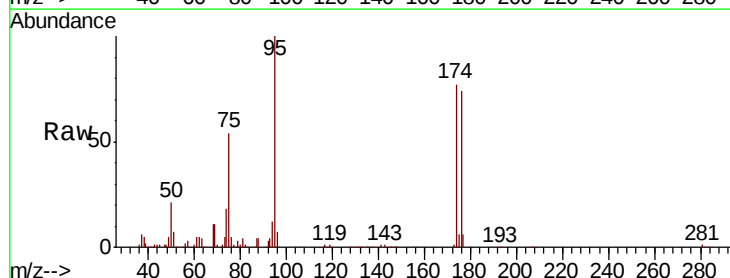
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-121319

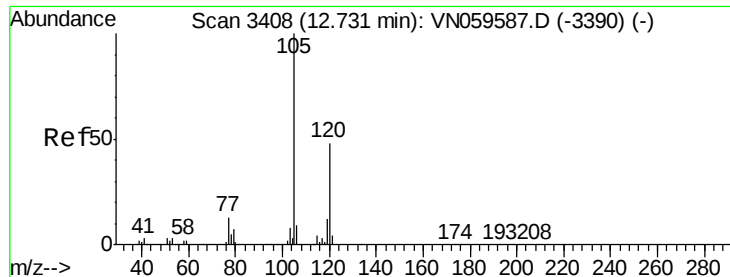
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3900  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 0.0   | 31.3  | 46.9# |
| 55       | 0.0   | 19.8  | 29.6# |
| 61       | 0.0   | 18.3  | 27.5# |



#76  
1,2,3-Trichloropropane  
Concen: 24.715 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.15 min  
Lab File: VN059613.D  
Acq: 16 Dec 2019 19:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 82790 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 1.0   | 0.0   | 0.0#  |

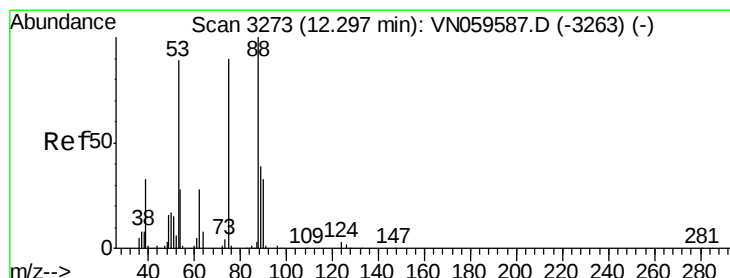
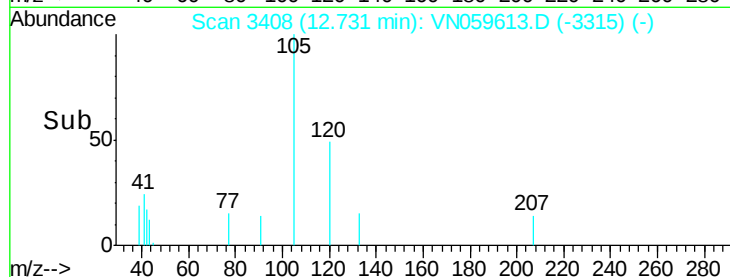
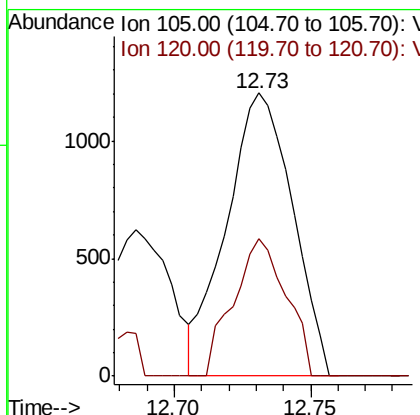
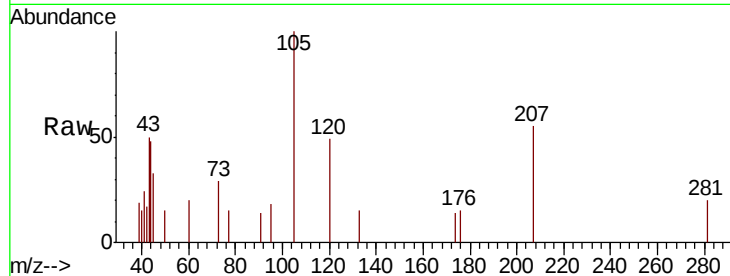




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.225 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. -0.00 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

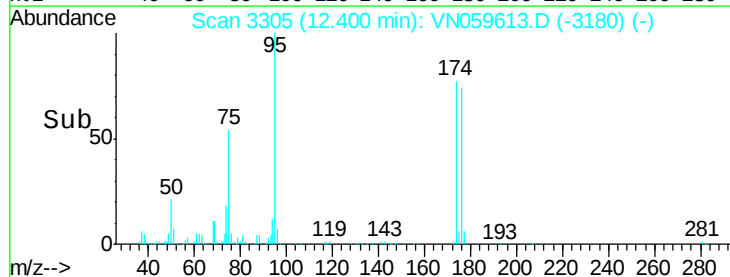
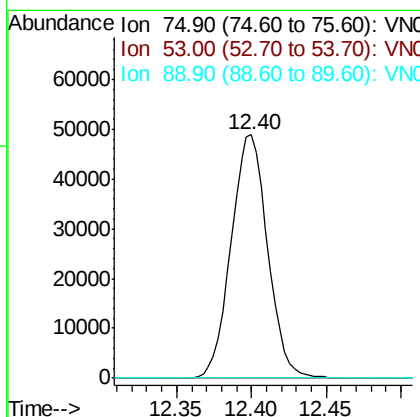
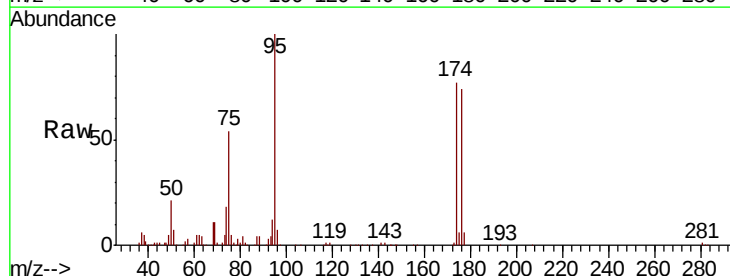
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 OR-02-121319

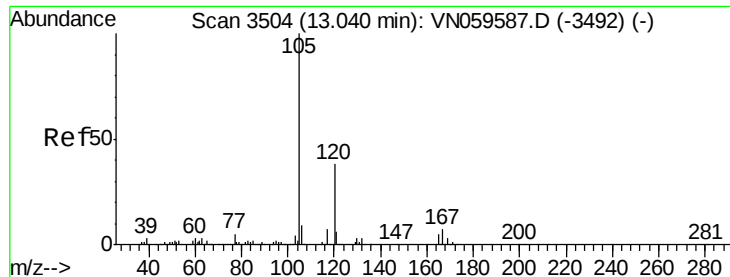
Tgt Ion: 105 Resp: 2024  
 Ion Ratio Lower Upper  
 105 100  
 120 38.8 24.1 72.4



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.042 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

Tgt Ion: 75 Resp: 82790  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.1 117.1#  
 89 0.0 35.4 53.2#

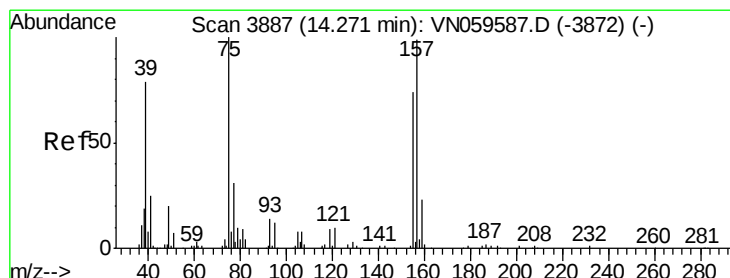
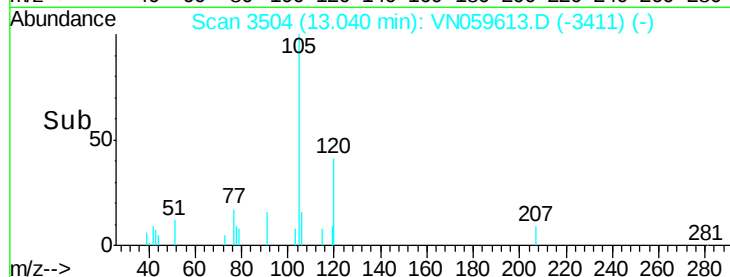
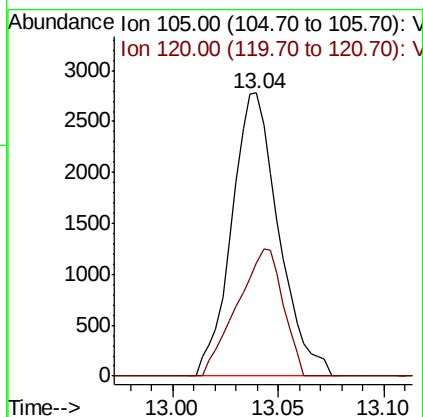
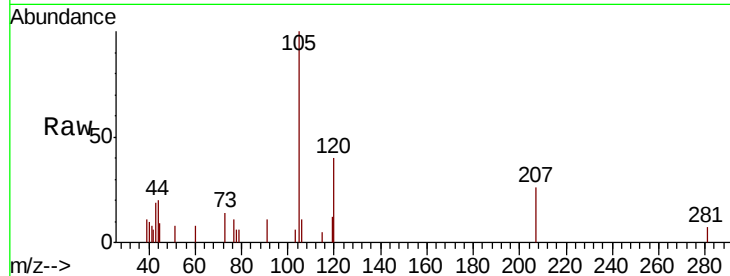




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.482 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

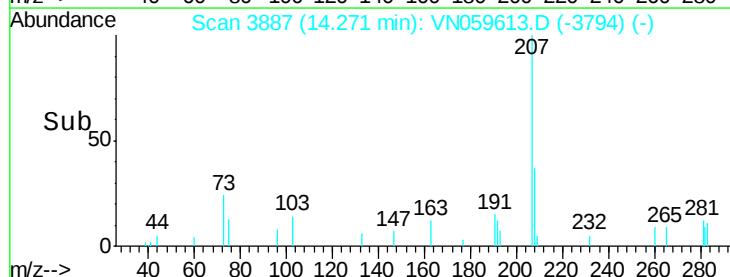
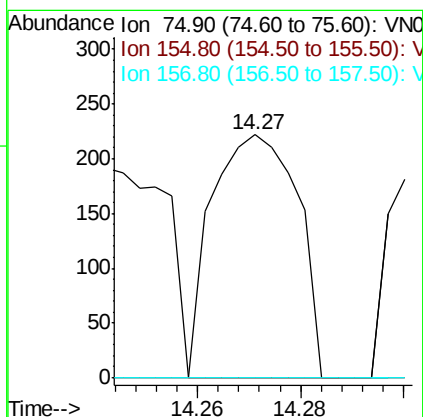
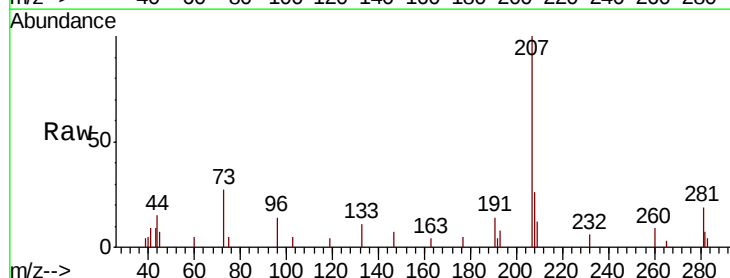
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-121319

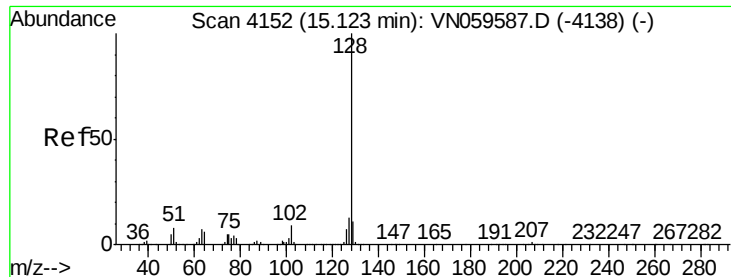
Tgt Ion: 105 Resp: 4307  
 Ion Ratio Lower Upper  
 105 100  
 120 44.0 22.3 66.9



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.885 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN059613.D  
 Acq: 16 Dec 2019 19:13

Tgt Ion: 75 Resp: 255  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 37.0 110.9#  
 157 0.0 48.4 145.2#





#95

Naphthalene

Concen: 1.547 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

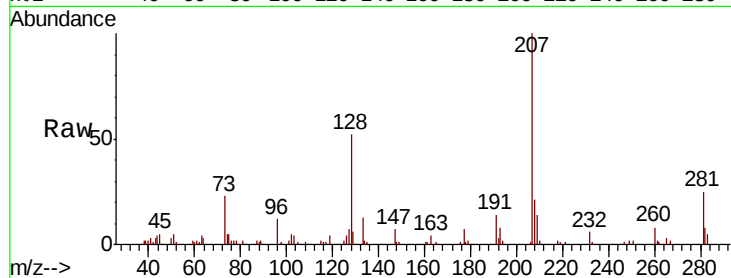
Tgt Ion:128 Resp: 14123

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

129 10.8 8.6 12.8



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

