

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN083119\  
 Data File : VN057602.D  
 Acq On : 30 Aug 2019 21:19  
 Operator : JC/SP  
 Sample : K4517-26  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T4-S-D2-(0)

Quant Time: Aug 31 00:50:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 11:59:03 2019  
 Response via : Initial Calibration

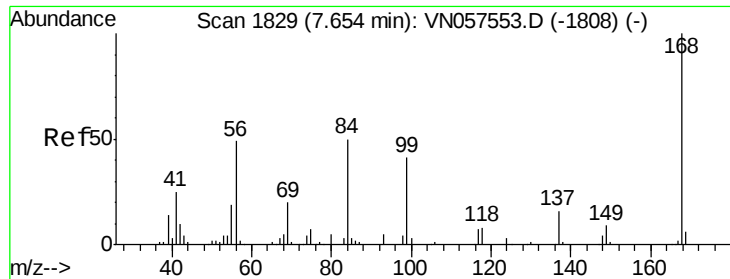
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 591094   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 927048   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 795237   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 217176   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65  | 353707   | 36.56 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 73.12% |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 280287   | 33.83 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 67.66% |      |
| 50) Toluene-d8              | 10.08  | 98  | 1114715  | 38.03 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 76.06% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 296062   | 30.09 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 60.18% |      |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 13) Acrolein                   | 3.58  | 56   | 535      | 0.655     | ug/l # | 53     |
| 16) Acetone                    | 3.81  | 43   | 20065    | 5.131     | ug/l # | 87     |
| 18) Methyl Acetate             | 4.32  | 43   | 9335     | Below Cal | #      | 90     |
| 20) Methylene Chloride         | 4.54  | 84   | 40293    | 5.562     | ug/l # | 83     |
| 25) 2-Butanone                 | 6.84  | 43   | 1820     | 0.590     | ug/l # | 67     |
| 31) Cyclohexane                | 7.65  | 56   | 13275    | 1.181     | ug/l # | 15     |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 42724    | 4.260     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.65  | 117  | 57534    | 4.906     | ug/l # | 17     |
| 41) Methacrylonitrile          | 7.15  | 41   | 101      | 1.299     | ug/l # | 1      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 84365    | 6.803     | ug/l # | 94     |
| 45) 1,2-Dichloropropane        | 9.26  | 63   | 1874     | 0.261     | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.27  | 41   | 138303   | 23.612    | ug/l # | 51     |
| 49) 1,4-Dioxane                | 9.26  | 88   | 198      | 1.852     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 5670     | 0.855     | ug/l   | 100    |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 42256    | 3.480     | ug/l # | 58     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 6700     | 0.548     | ug/l # | 44     |
| 59) 2-Hexanone                 | 10.76 | 43   | 84191    | 18.397    | ug/l # | 60     |
| 71) Bromoform                  | 12.41 | 173  | 2316     | 0.441     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 91       | Below Cal | #      | 50     |
| 74) N-amyl acetate             | 12.03 | 43   | 3080     | Below Cal | #      | 53     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.44 | 83   | 32       | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 160390   | 39.456    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 160390   | 111.049   | ug/l # | 8      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 104      | 3.815     | ug/l # | 1      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampled :

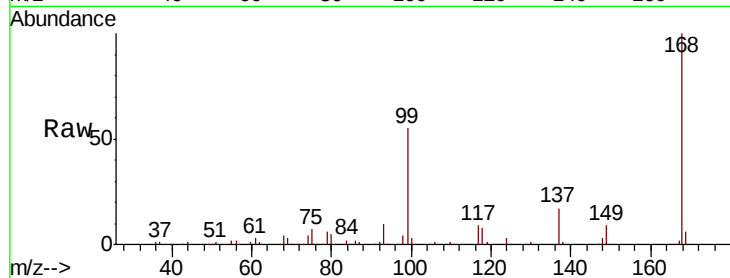
T4-S-D2-(0)

Tgt Ion:168 Resp: 591094

Ion Ratio Lower Upper

168 100

99 55.0 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

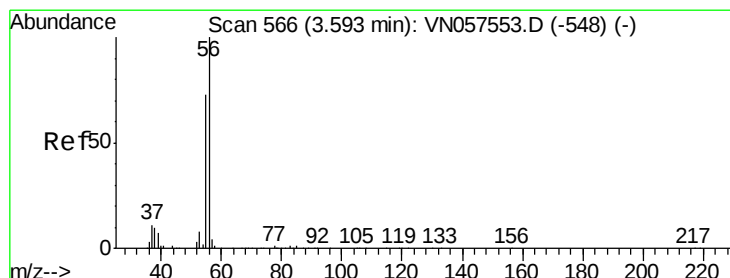
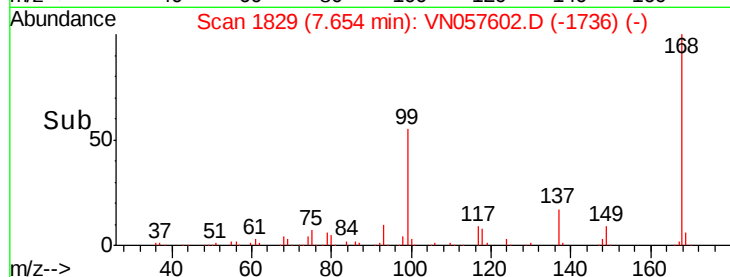
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.655 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.02 min

Lab File: VN057602.D

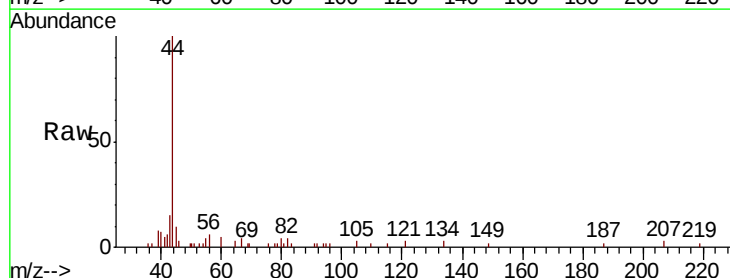
Acq: 30 Aug 2019 21:19

Tgt Ion: 56 Resp: 535

Ion Ratio Lower Upper

56 100

55 34.4 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.58

800

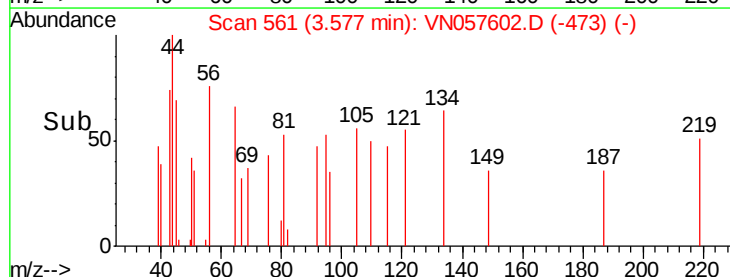
600

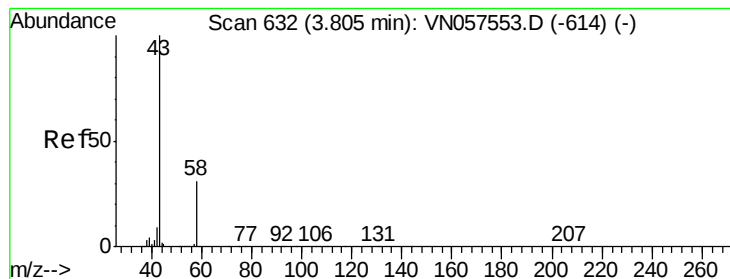
400

200

0

Time-->





#16

Acetone

Concen: 5.131 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampled :

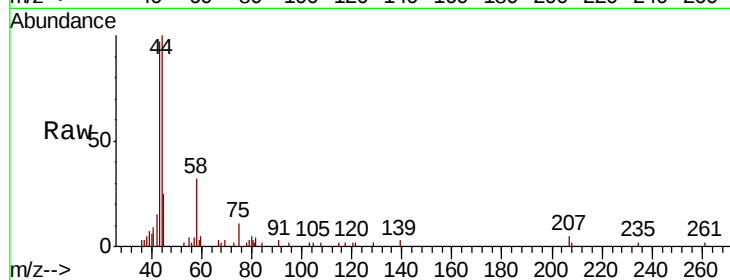
T4-S-D2-(0)

Tgt Ion: 43 Resp: 20065

Ion Ratio Lower Upper

43 100

58 34.4 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

10000

8000

6000

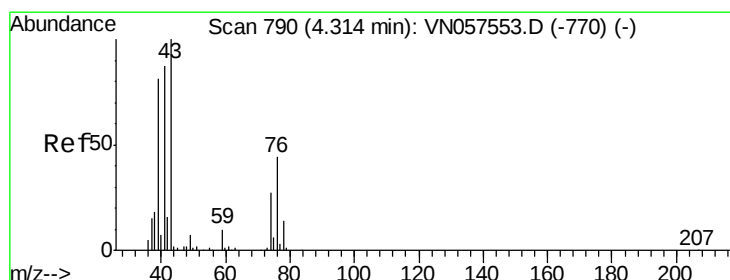
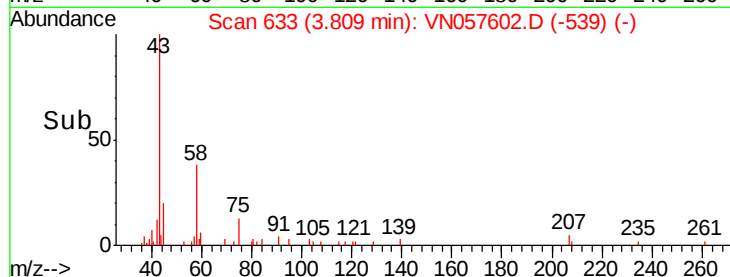
4000

2000

0

Time-->

3.75 3.80 3.85



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN057602.D

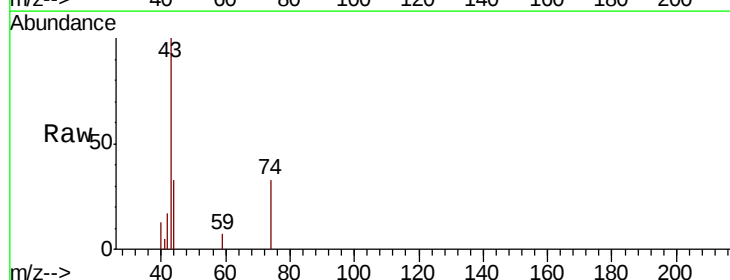
Acq: 30 Aug 2019 21:19

Tgt Ion: 43 Resp: 9335

Ion Ratio Lower Upper

43 100

74 15.4 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

3000

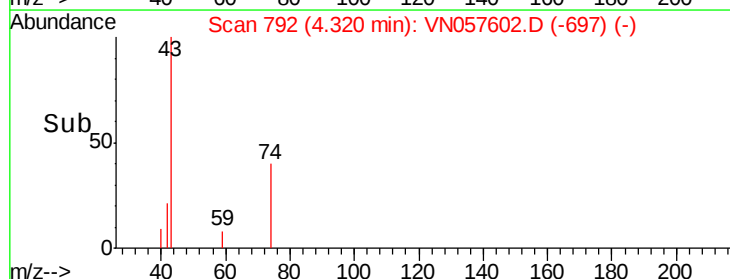
2000

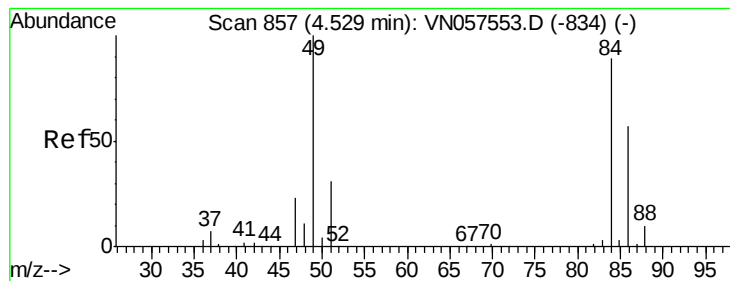
1000

0

Time-->

4.25 4.30 4.35 4.40





#20

Methylene Chloride

Concen: 5.562 ug/l

RT: 4.54 min Scan# 860

Delta R.T. 0.01 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampled :

T4-S-D2-(0)

Tgt Ion: 84 Resp: 40293

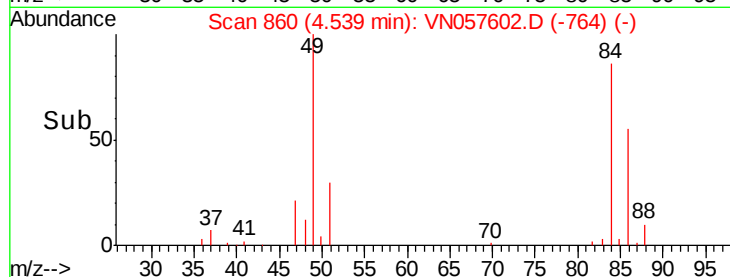
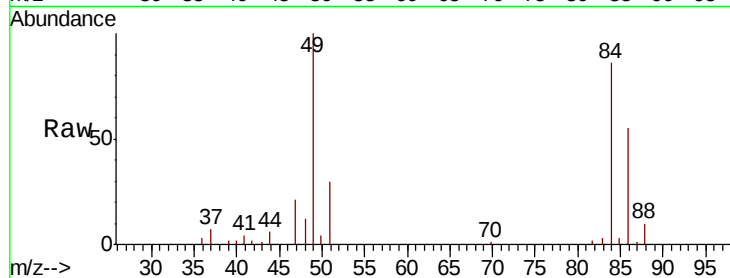
Ion Ratio Lower Upper

84 100

49 116.0 117.0 175.4#

51 35.0 35.5 53.3#

86 63.3 49.8 74.8

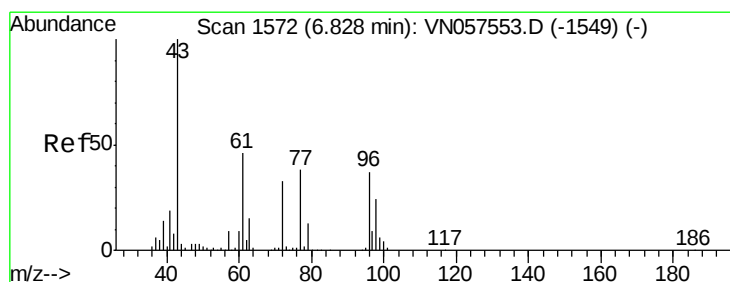
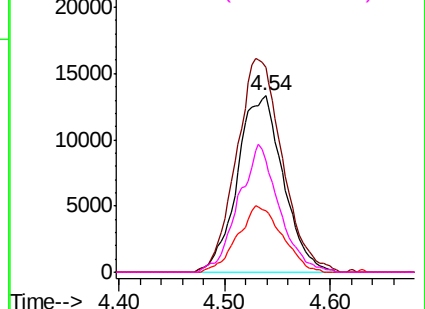


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#25

2-Butanone

Concen: 0.590 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VN057602.D

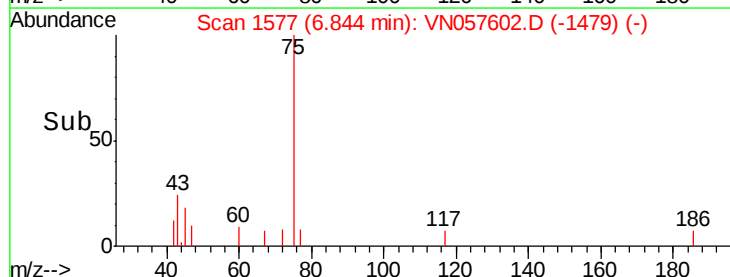
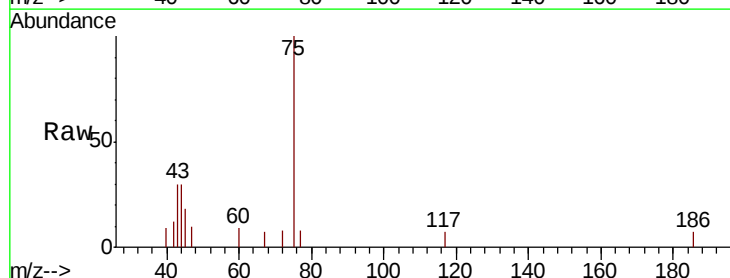
Acq: 30 Aug 2019 21:19

Tgt Ion: 43 Resp: 1820

Ion Ratio Lower Upper

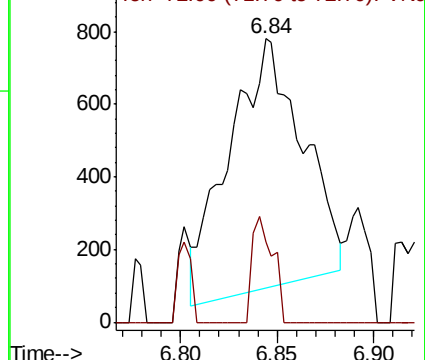
43 100

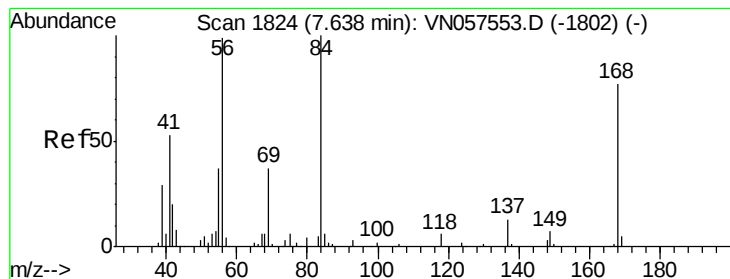
72 38.1 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampled :

T4-S-D2-(0)

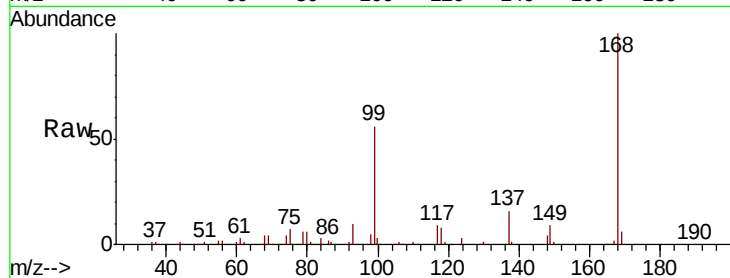
Tgt Ion: 56 Resp: 13275

Ion Ratio Lower Upper

56 100

69 149.8 25.0 37.6#

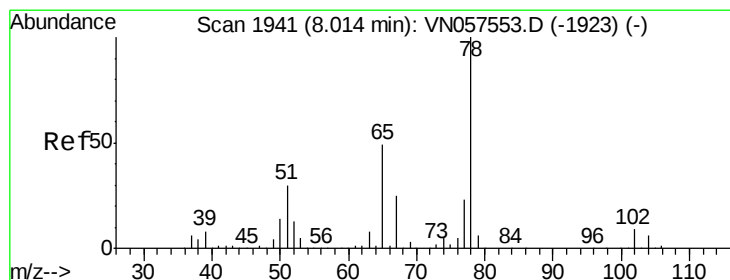
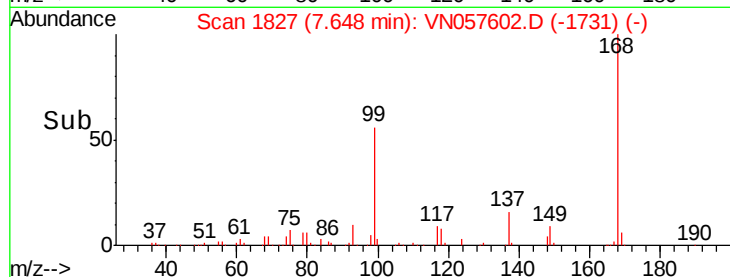
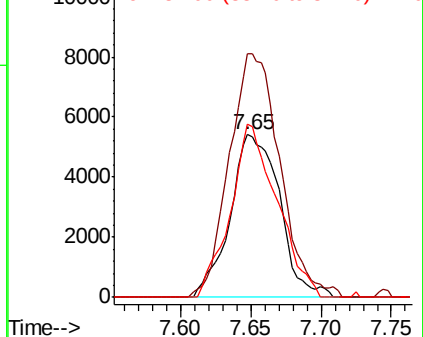
84 106.8 62.5 93.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 36.560 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057602.D

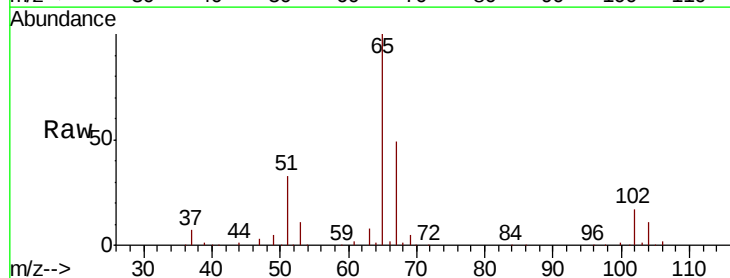
Acq: 30 Aug 2019 21:19

Tgt Ion: 65 Resp: 353707

Ion Ratio Lower Upper

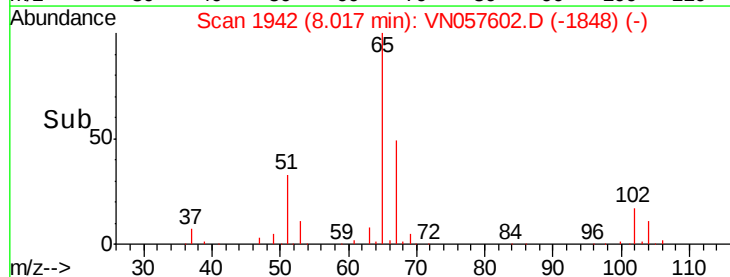
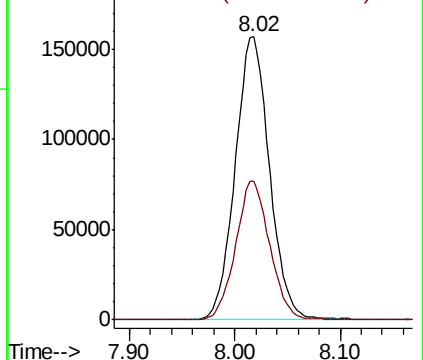
65 100

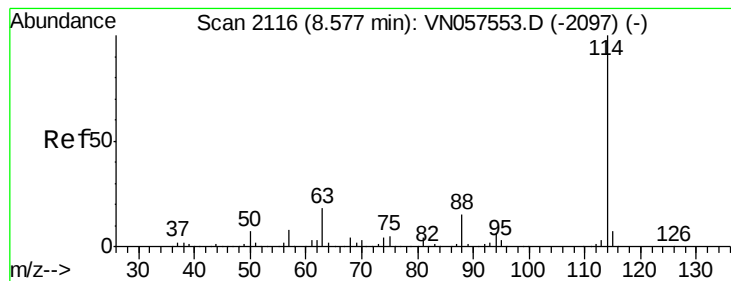
67 49.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampleId :

T4-S-D2-(0)

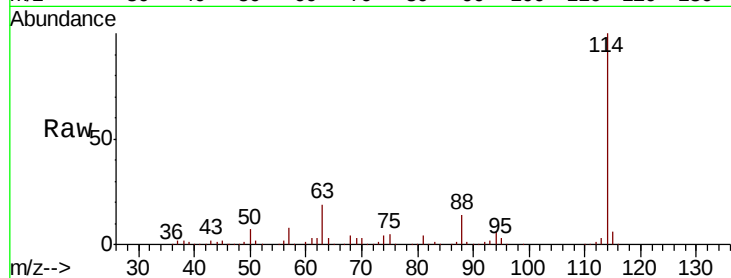
Tgt Ion:114 Resp: 927048

Ion Ratio Lower Upper

114 100

63 19.0 0.0 50.2

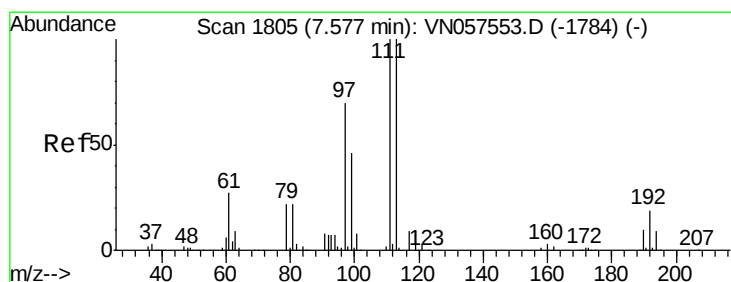
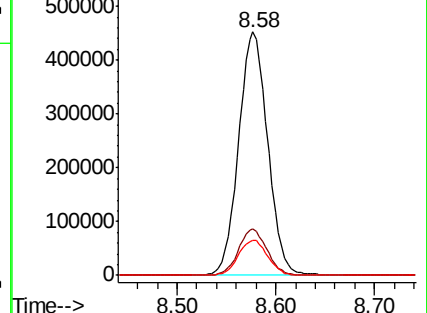
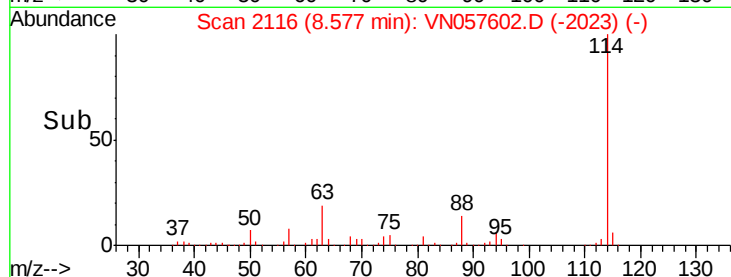
88 14.5 0.0 34.6



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: 33.827 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

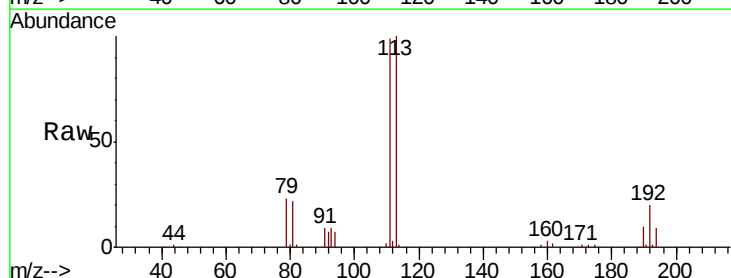
Tgt Ion:113 Resp: 280287

Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

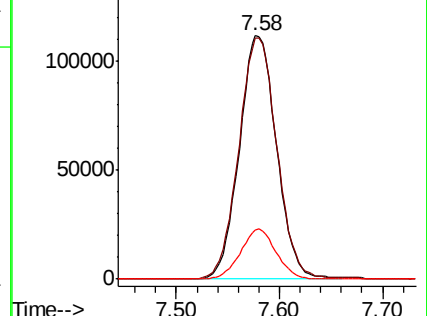
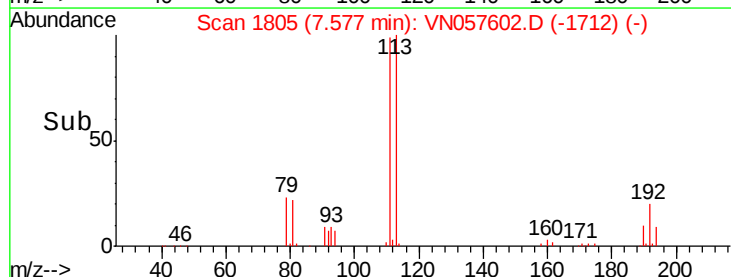
192 19.7 13.5 20.3

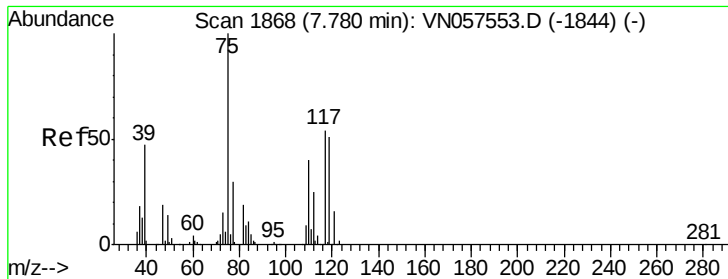


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

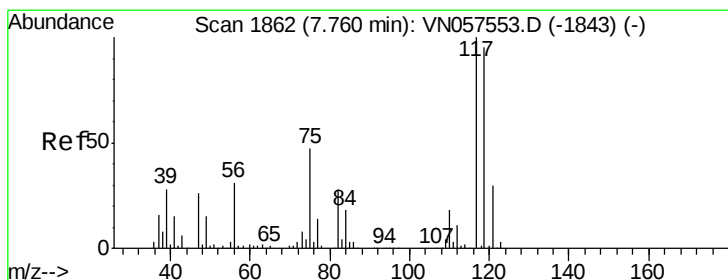
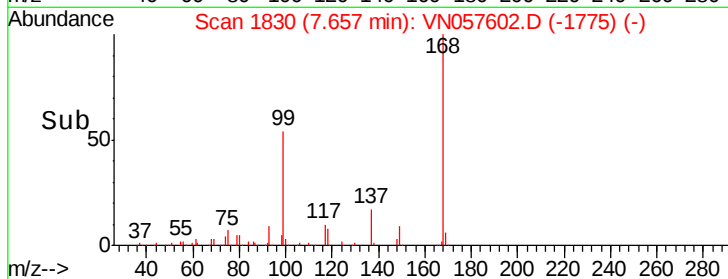
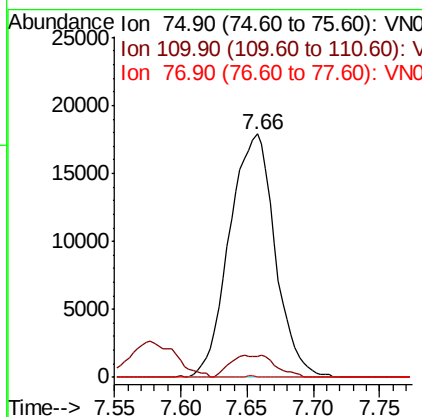
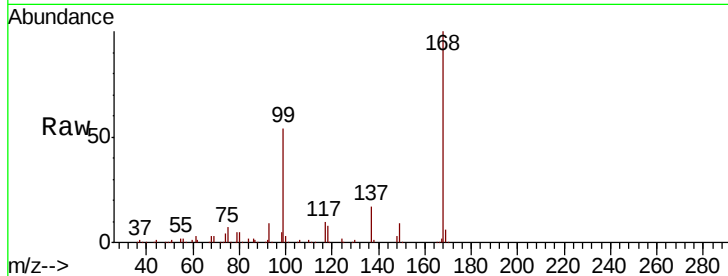




#36  
 1,1-Dichloropropene  
 Concen: 4.260 ug/l  
 RT: 7.66 min Scan# 1830  
 Delta R.T. -0.12 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

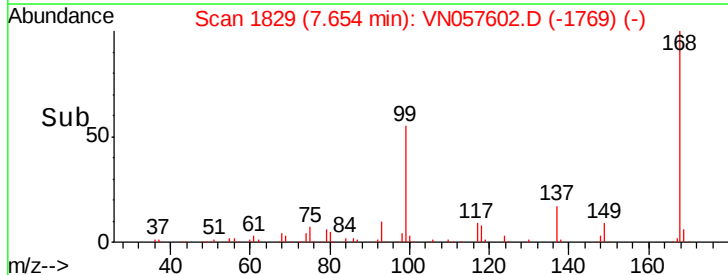
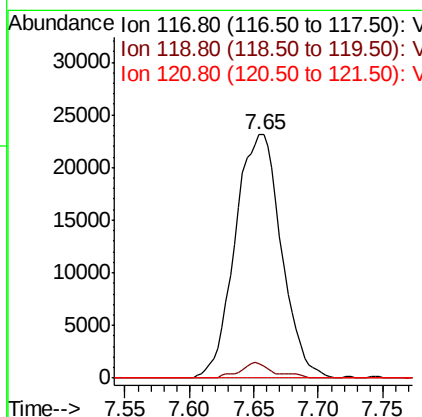
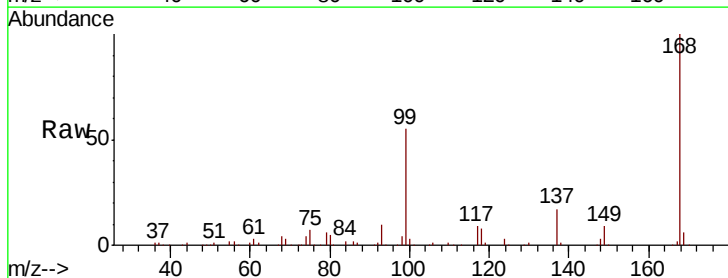
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T4-S-D2-(0)

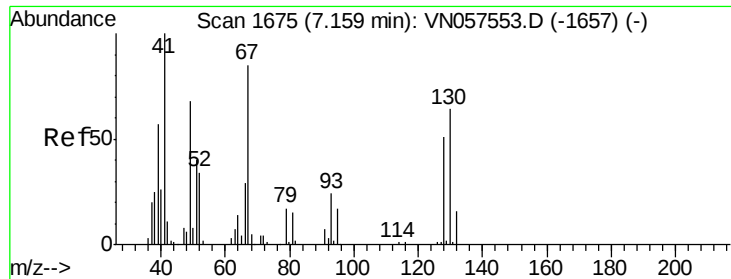
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 4.1   | 16.1  | 48.3# |
| 77      | 0.1   | 24.8  | 37.2# |



#38  
 Carbon Tetrachloride  
 Concen: 4.906 ug/l  
 RT: 7.65 min Scan# 1829  
 Delta R.T. -0.11 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.7   | 76.2  | 114.4# |
| 121     | 0.0   | 23.8  | 35.6#  |

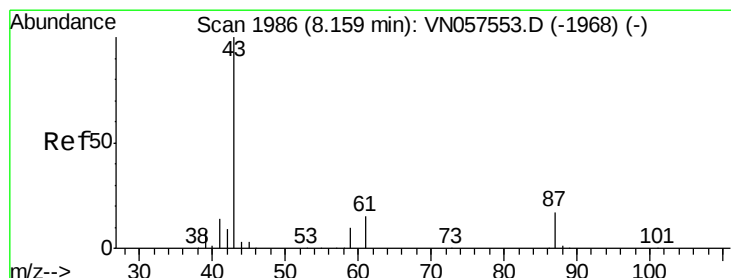
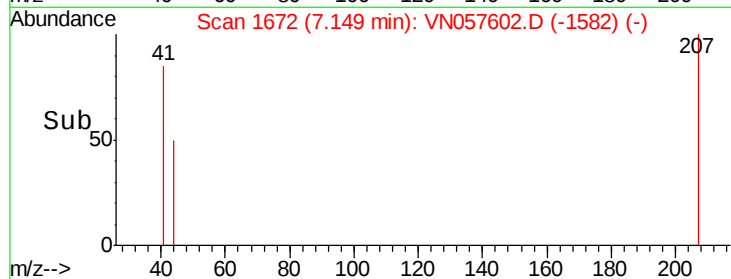
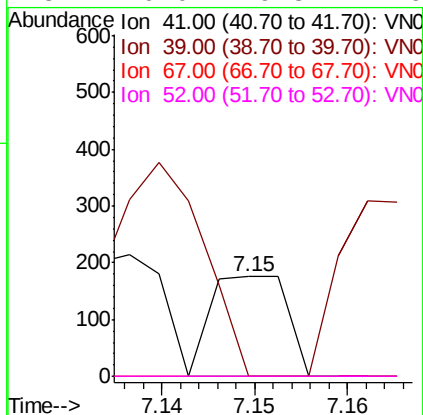
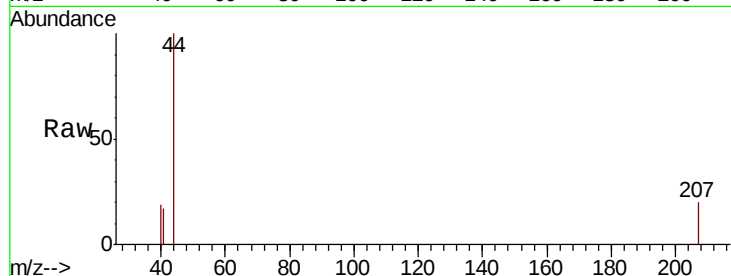




#41  
Methacrylonitrile  
Concen: 1.299 ug/l  
RT: 7.15 min Scan# 1672  
Delta R.T. -0.01 min  
Lab File: VN057602.D  
Acq: 30 Aug 2019 21:19

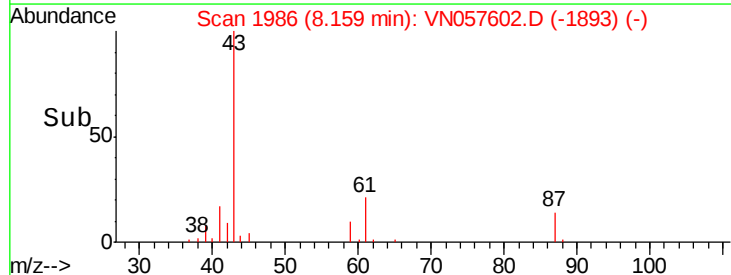
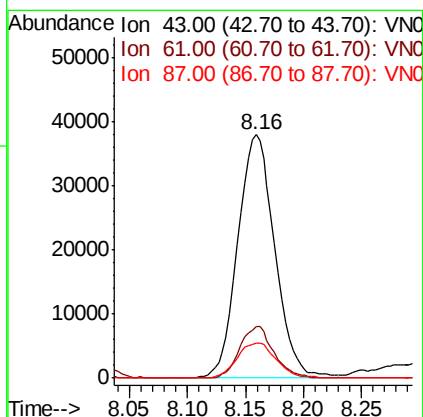
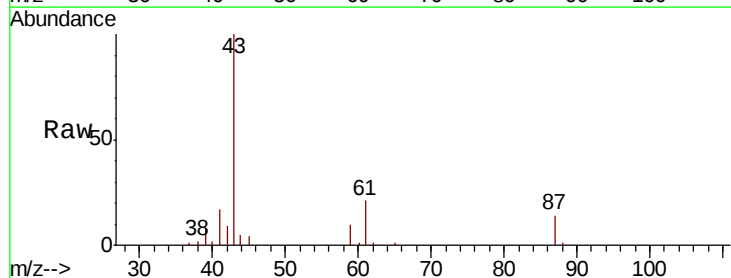
Instrument :  
MSVOA\_N  
ClientSampled :  
T4-S-D2-(0)

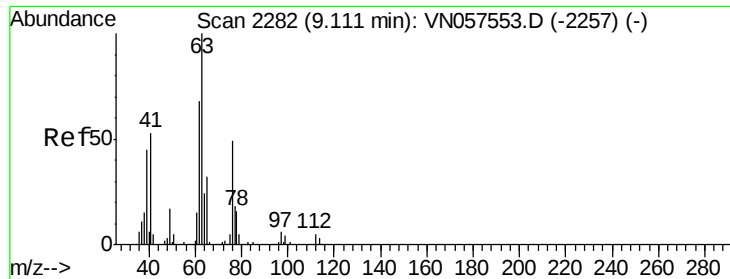
Tgt Ion: 41 Resp: 101  
Ion Ratio Lower Upper  
41 100  
39 273.3 53.6 80.4#  
67 0.0 65.4 98.2#  
52 0.0 29.8 44.6#



#43  
Isopropyl Acetate  
Concen: 6.803 ug/l  
RT: 8.16 min Scan# 1986  
Delta R.T. -0.00 min  
Lab File: VN057602.D  
Acq: 30 Aug 2019 21:19

Tgt Ion: 43 Resp: 84365  
Ion Ratio Lower Upper  
43 100  
61 19.4 14.5 21.7  
87 15.0 8.6 12.8#

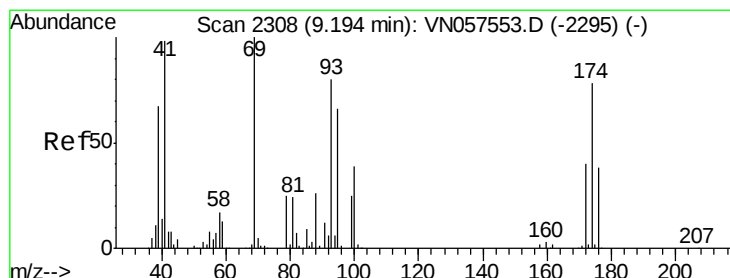
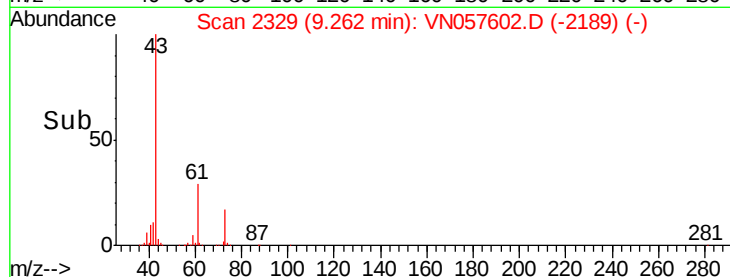
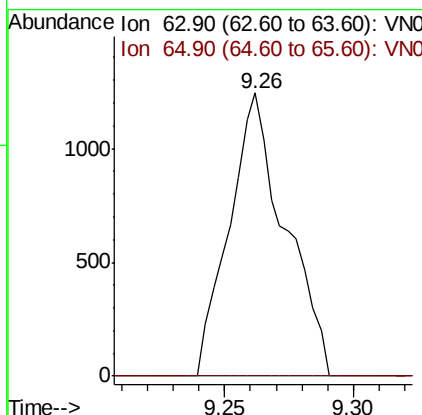
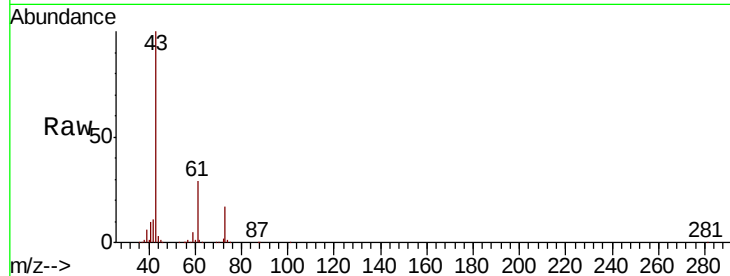




#45  
 1,2-Dichloropropane  
 Concen: 0.261 ug/l  
 RT: 9.26 min Scan# 2329  
 Delta R.T. 0.15 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

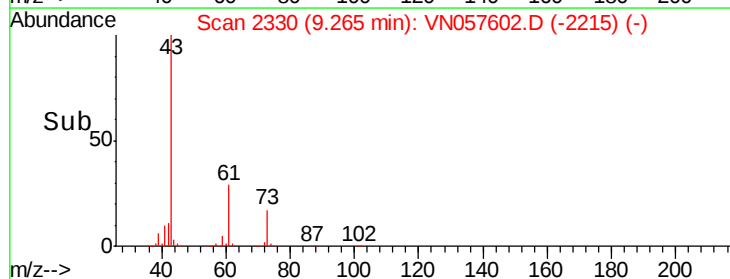
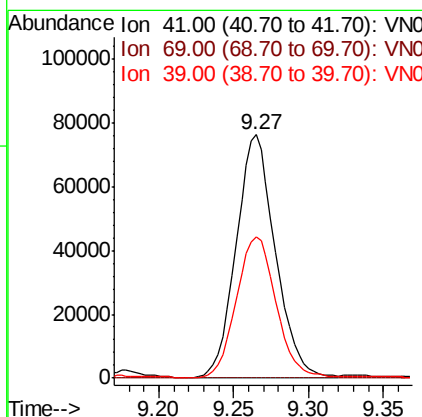
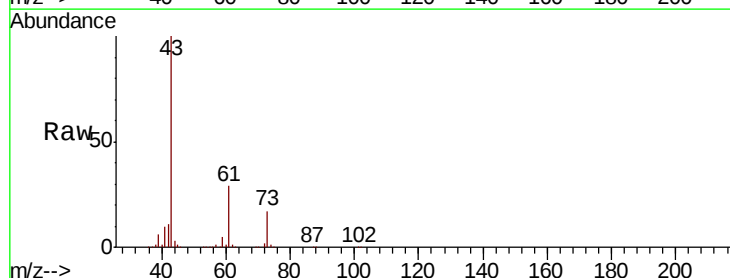
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T4-S-D2-(0)

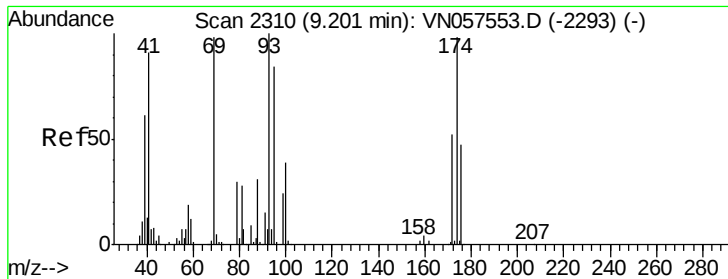
Tgt Ion: 63 Resp: 1874  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 24.7 37.1#



#48  
 Methyl methacrylate  
 Concen: 23.612 ug/l  
 RT: 9.27 min Scan# 2330  
 Delta R.T. 0.07 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

Tgt Ion: 41 Resp: 138303  
 Ion Ratio Lower Upper  
 41 100  
 69 0.1 59.3 88.9#  
 39 59.5 50.6 75.8





#49

1,4-Dioxane

Concen: 1.852 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampled :

T4-S-D2-(0)

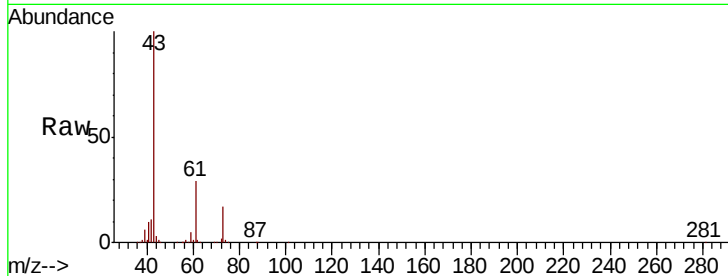
Tgt Ion: 88 Resp: 198

Ion Ratio Lower Upper

88 100

43 711671.2 31.0 46.6#

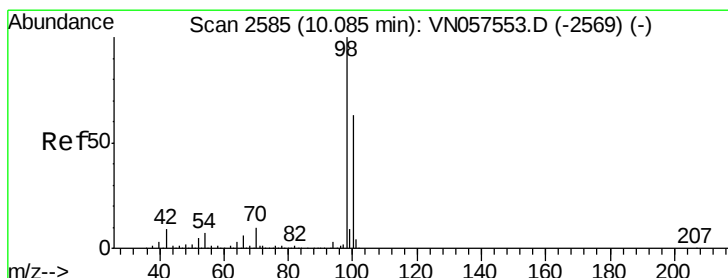
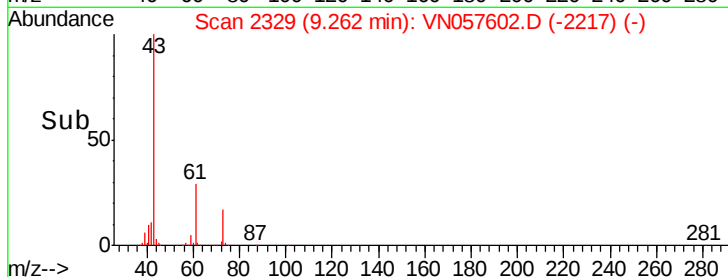
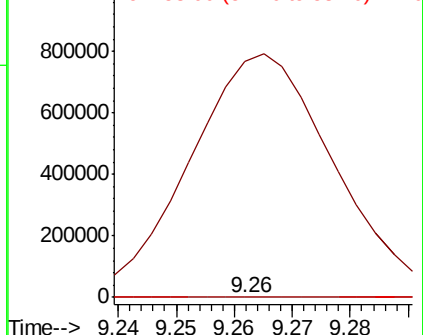
58 3170.2 64.5 96.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 38.033 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057602.D

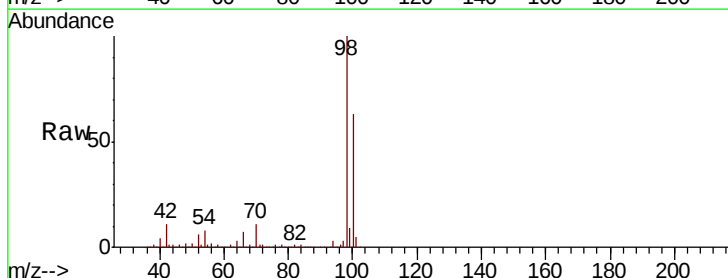
Acq: 30 Aug 2019 21:19

Tgt Ion: 98 Resp: 1114715

Ion Ratio Lower Upper

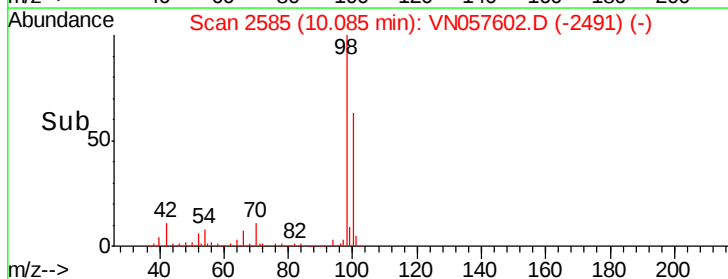
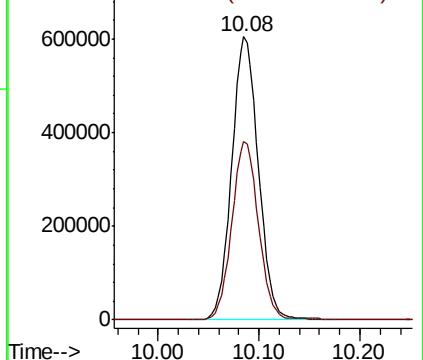
98 100

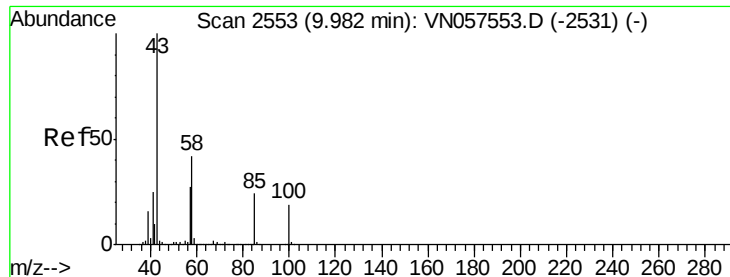
100 62.5 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

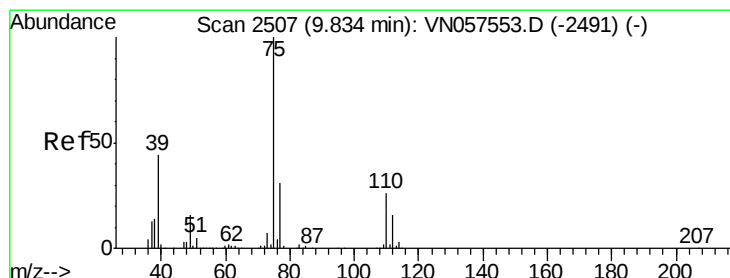
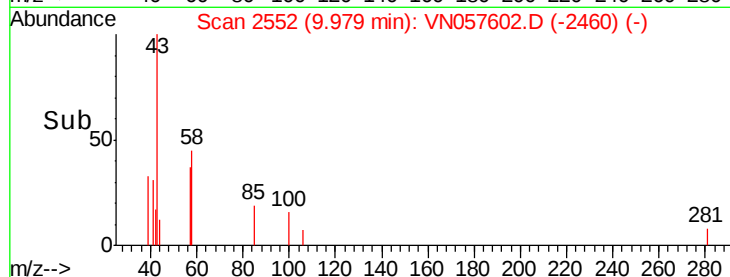
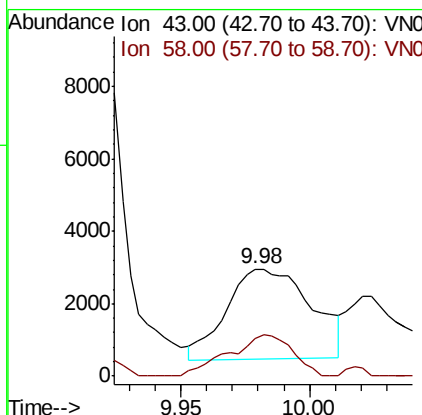
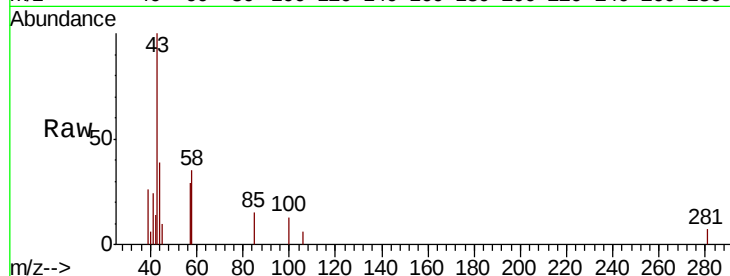




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.855 ug/l  
 RT: 9.98 min Scan# 2552  
 Delta R.T. -0.00 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

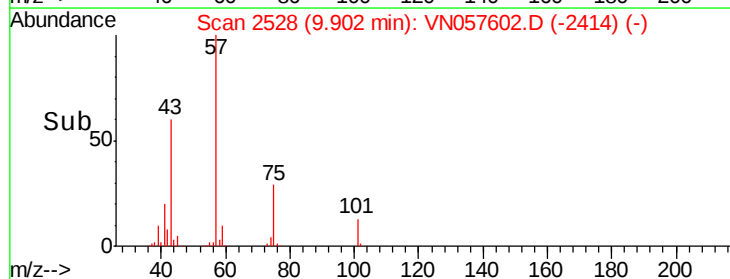
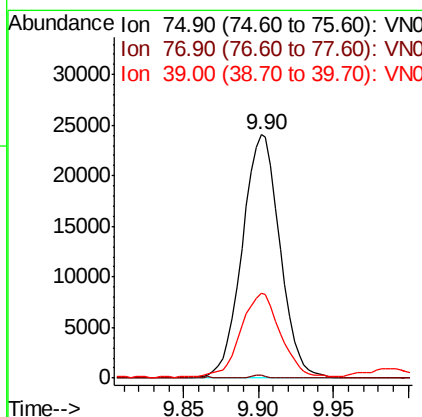
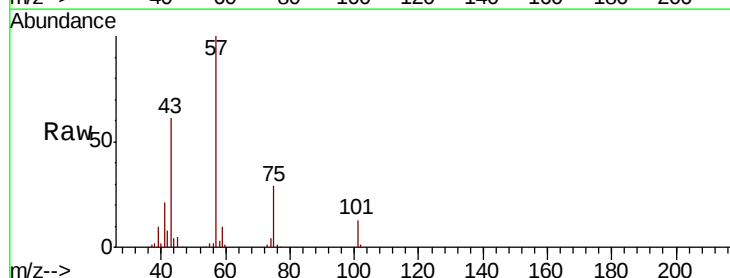
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T4-S-D2-(0)

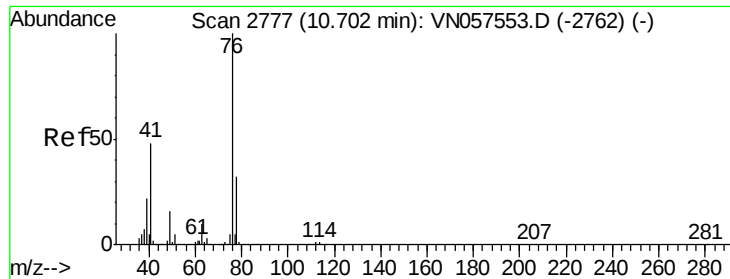
Tgt Ion: 43 Resp: 5670  
 Ion Ratio Lower Upper  
 43 100  
 58 34.9 27.9 41.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 3.480 ug/l  
 RT: 9.90 min Scan# 2528  
 Delta R.T. 0.07 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

Tgt Ion: 75 Resp: 42256  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 25.0 37.6#  
 39 34.2 49.2 73.8#

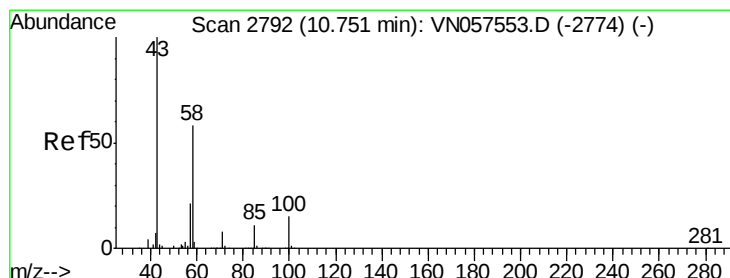
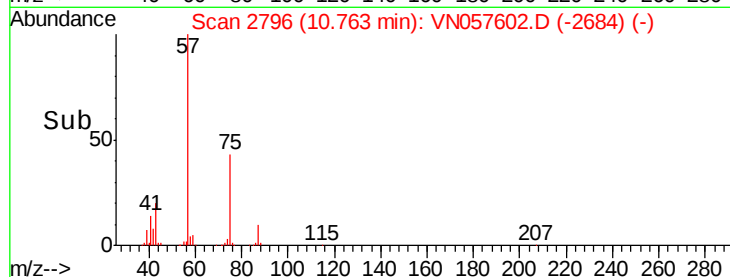
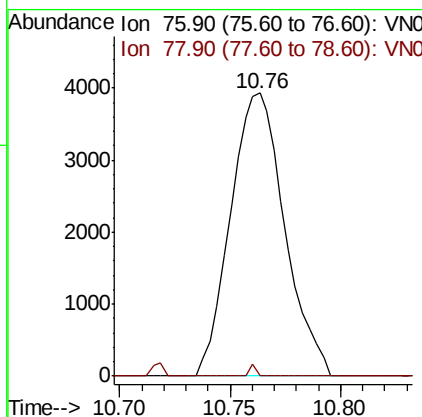
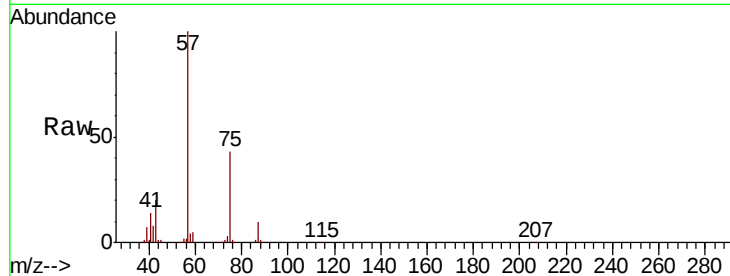




#57  
 1,3-Dichloropropane  
 Concen: 0.548 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

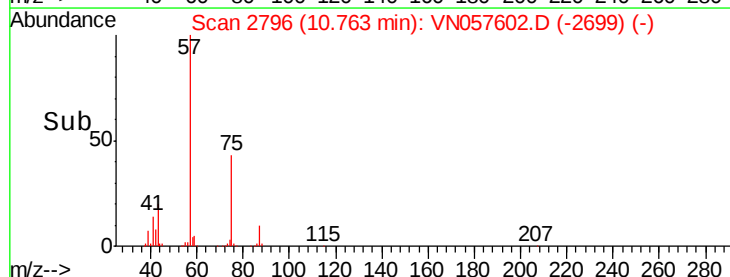
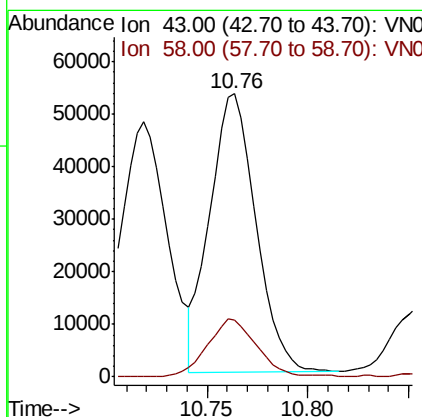
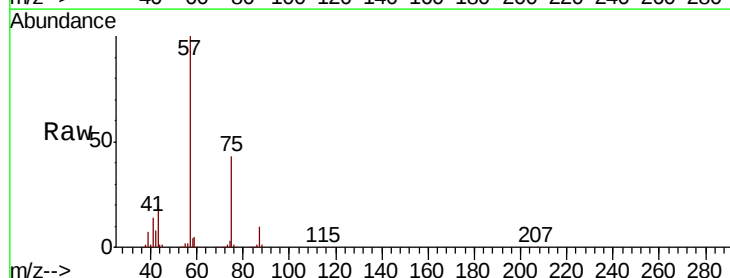
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T4-S-D2-(0)

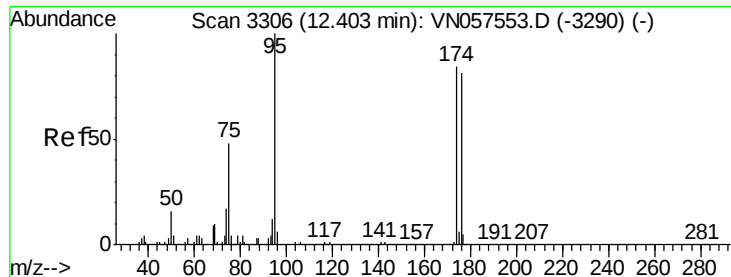
Tgt Ion: 76 Resp: 6700  
 Ion Ratio Lower Upper  
 76 100  
 78 0.5 25.5 38.3#



#59  
 2-Hexanone  
 Concen: 18.397 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: VN057602.D  
 Acq: 30 Aug 2019 21:19

Tgt Ion: 43 Resp: 84191  
 Ion Ratio Lower Upper  
 43 100  
 58 22.0 24.6 73.6#

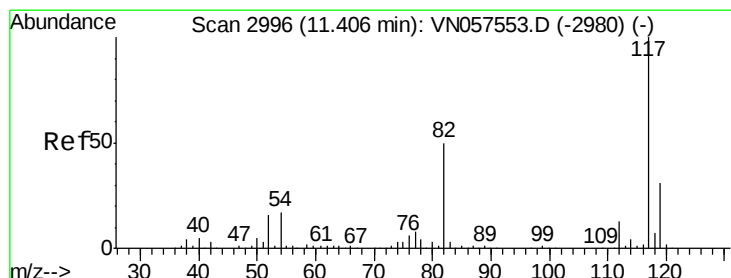
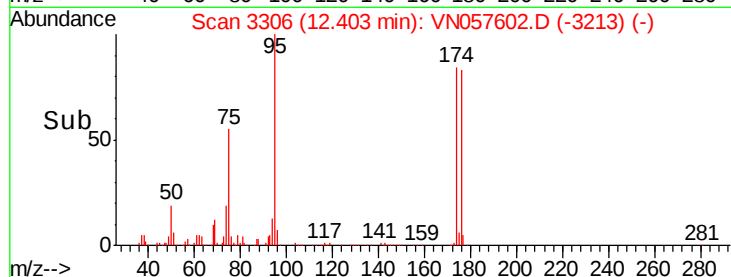
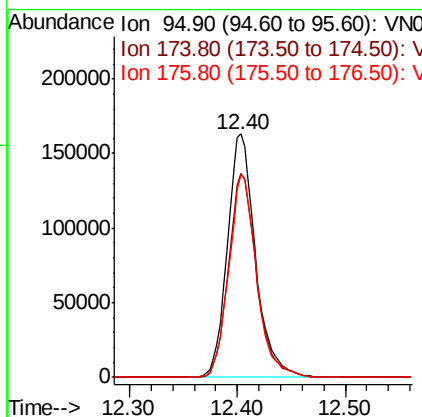
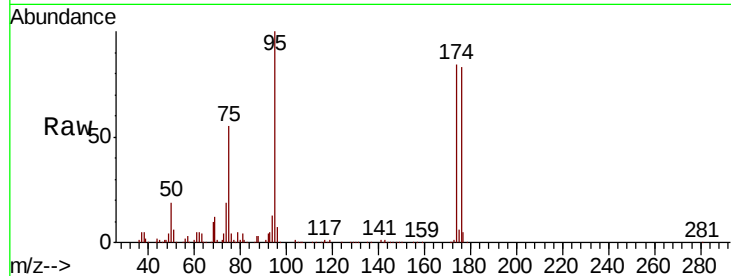




#62  
4-Bromofluorobenzene  
Concen: 30.093 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057602.D  
Acq: 30 Aug 2019 21:19

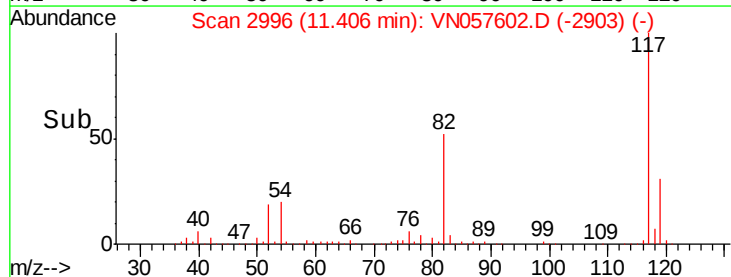
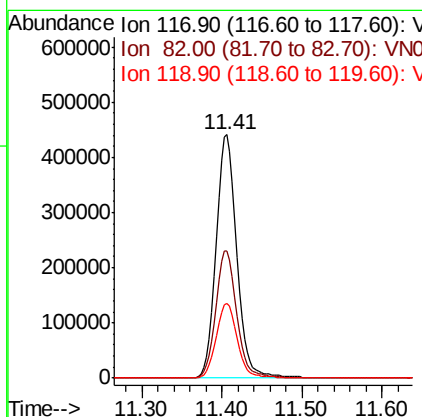
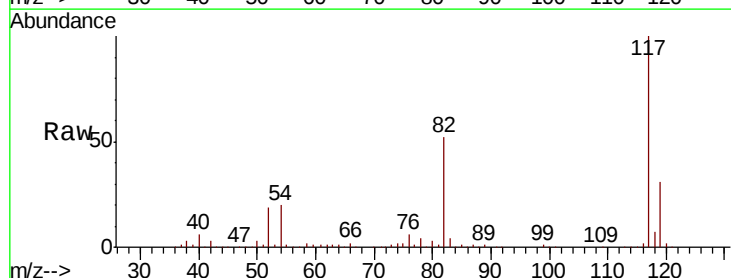
Instrument :  
MSVOA\_N  
ClientSampleId :  
T4-S-D2-(0)

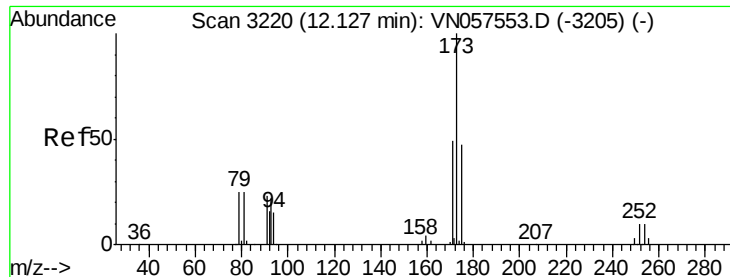
Tgt Ion: 95 Resp: 296062  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 133.0  
176 82.5 0.0 130.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN057602.D  
Acq: 30 Aug 2019 21:19

Tgt Ion: 117 Resp: 795237  
Ion Ratio Lower Upper  
117 100  
82 52.2 50.6 75.8  
119 30.8 24.6 36.8





#71

Bromoform

Concen: 0.441 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampled :

T4-S-D2-(0)

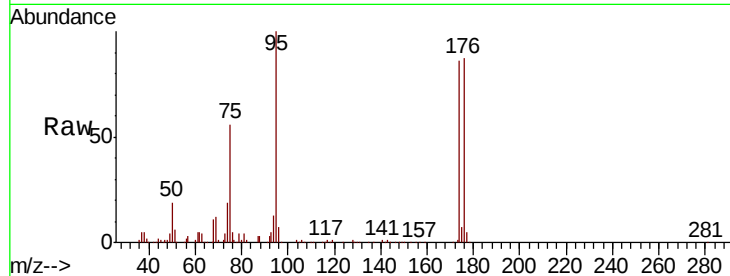
Tgt Ion:173 Resp: 2316

Ion Ratio Lower Upper

173 100

175 679.7 23.9 71.8#

254 0.0 0.1 0.1#

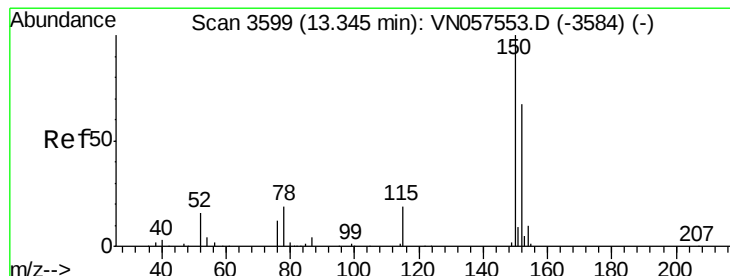
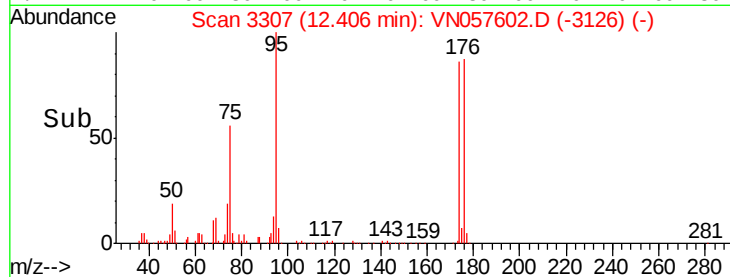
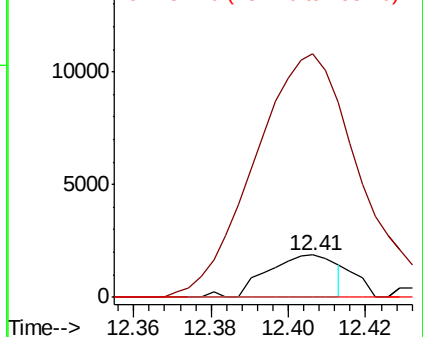


Abundance

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

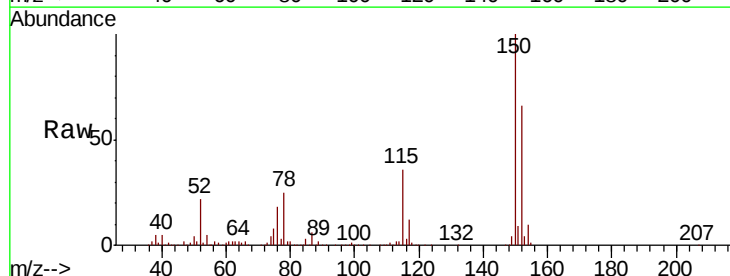
Tgt Ion:152 Resp: 217176

Ion Ratio Lower Upper

152 100

115 57.9 32.0 96.0

150 155.5 0.0 346.6

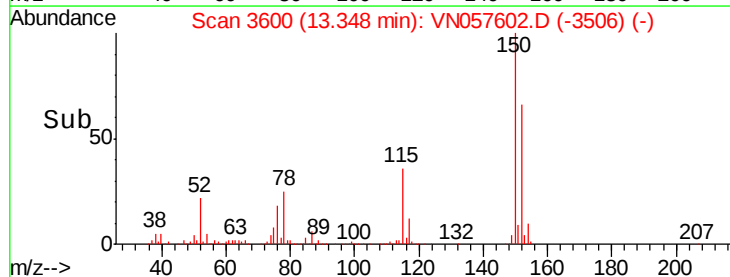
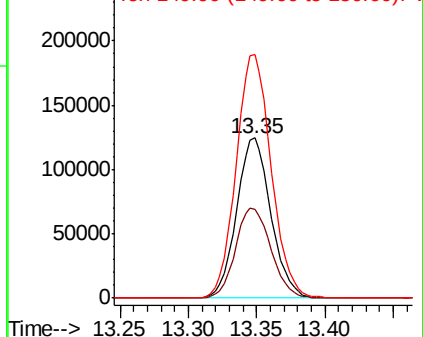


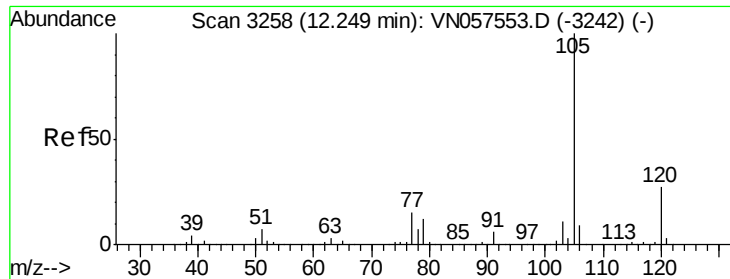
Abundance

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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampleId :

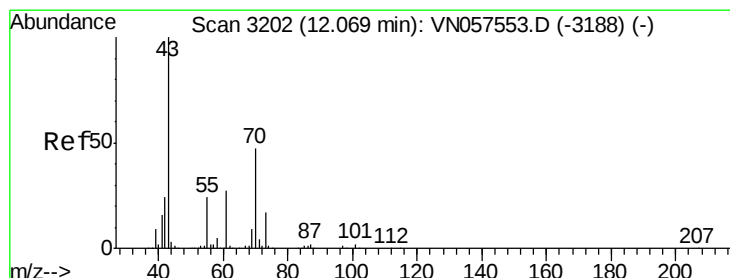
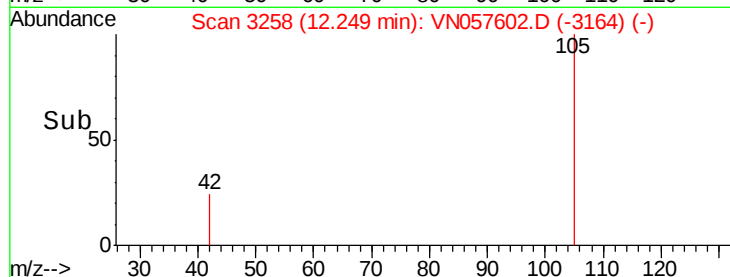
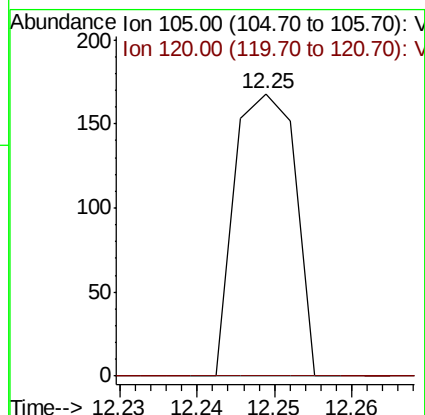
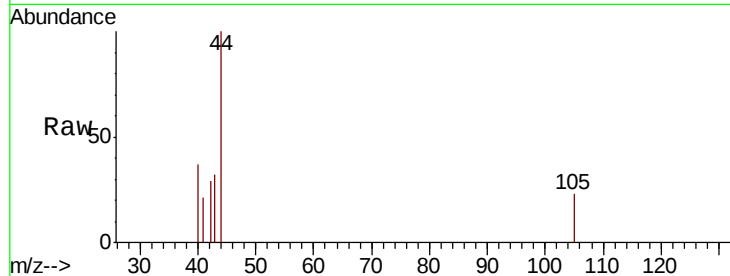
T4-S-D2-(0)

Tgt Ion: 105 Resp: 91

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Tgt Ion: 43 Resp: 3080

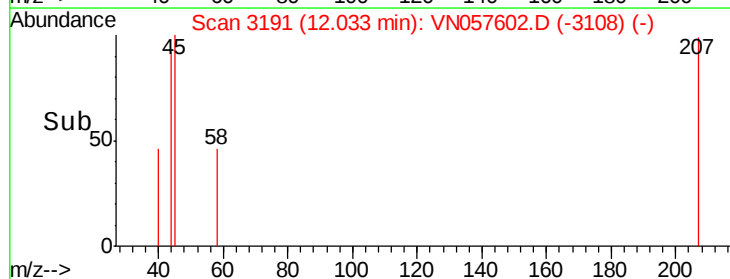
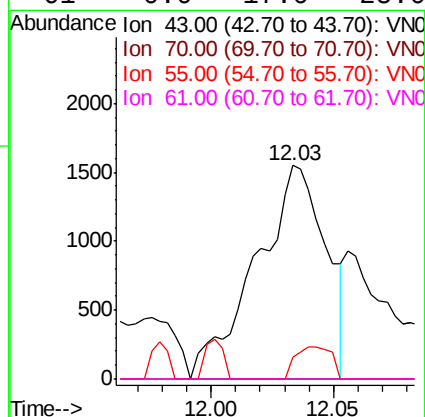
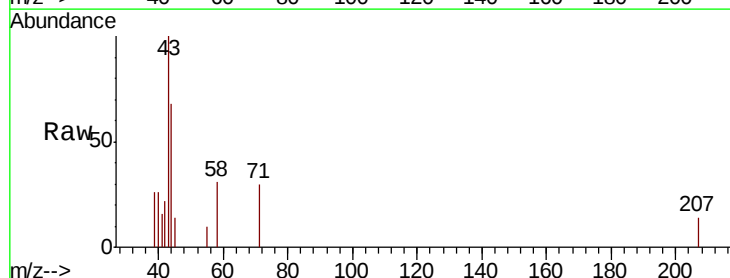
Ion Ratio Lower Upper

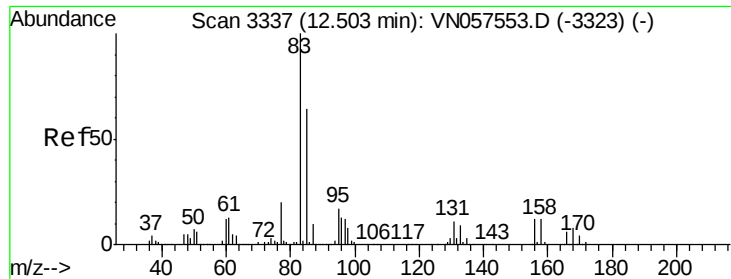
43 100

70 0.0 27.8 41.6#

55 7.7 17.0 25.4#

61 0.0 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.44 min Scan# 3319

Delta R.T. -0.06 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampleId :

T4-S-D2-(0)

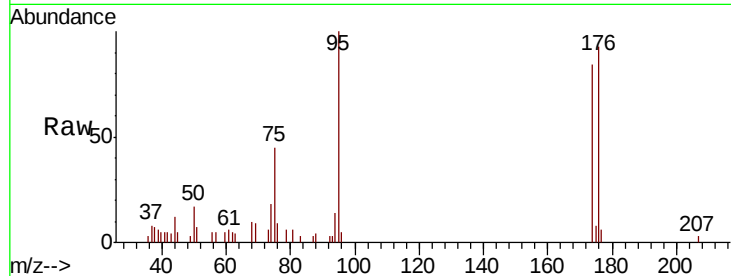
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 187.5 4.3 13.1#

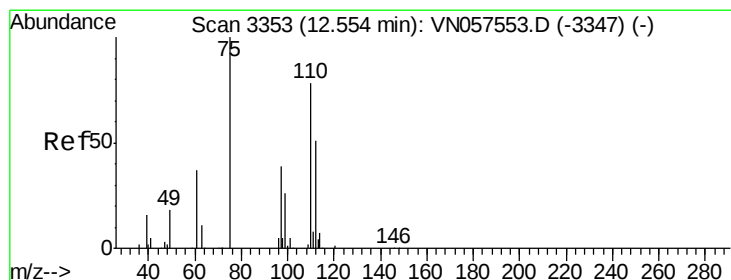
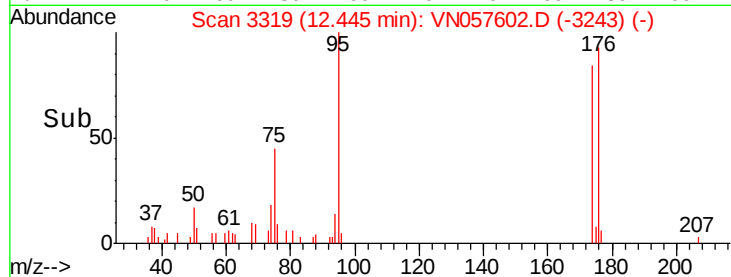
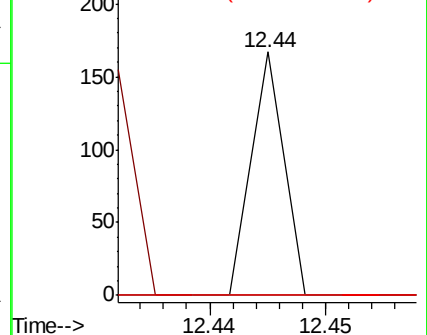
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 39.456 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057602.D

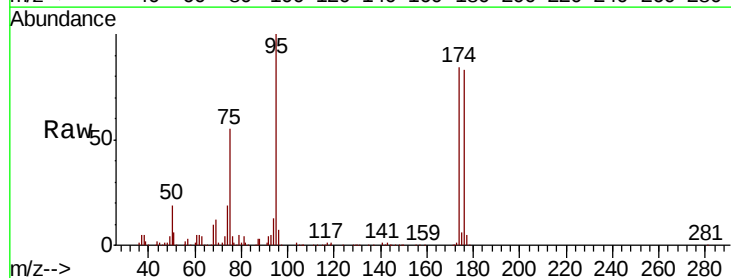
Acq: 30 Aug 2019 21:19

Tgt Ion: 75 Resp: 160390

Ion Ratio Lower Upper

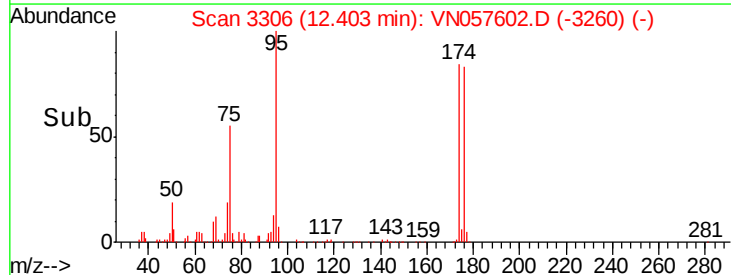
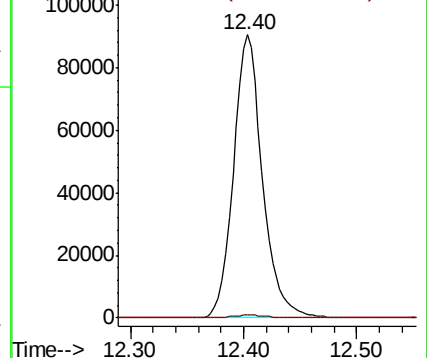
75 100

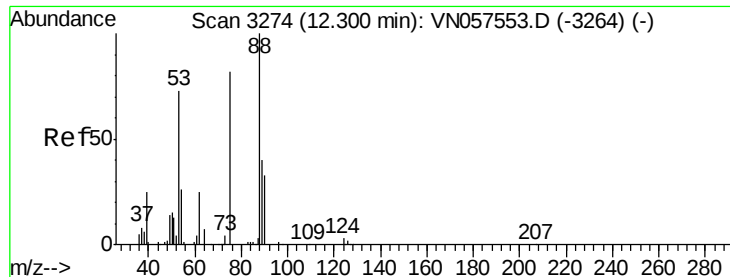
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 111.049 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

Instrument :

MSVOA\_N

ClientSampleId :

T4-S-D2-(0)

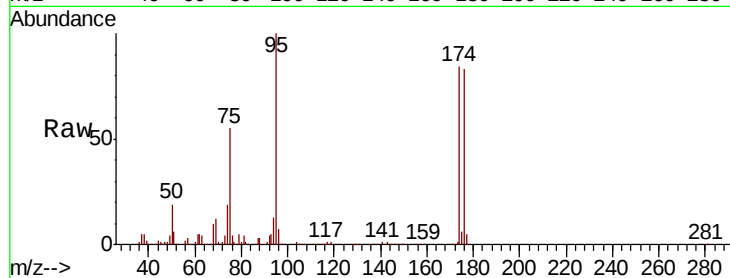
Tgt Ion: 75 Resp: 160390

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

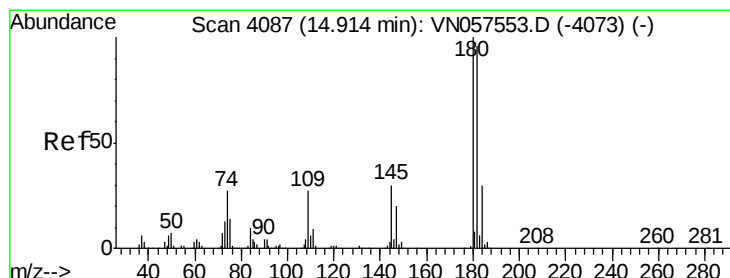
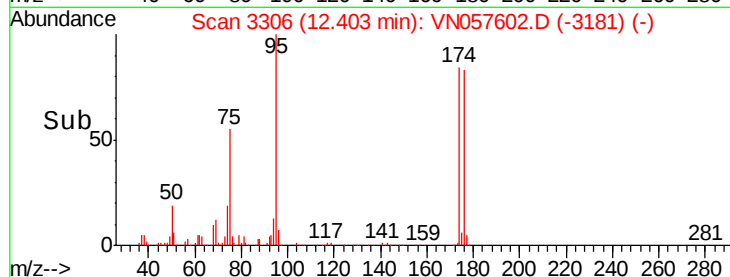
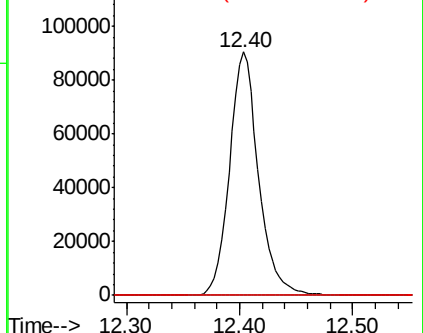
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN057553.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN057553.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.815 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057602.D

Acq: 30 Aug 2019 21:19

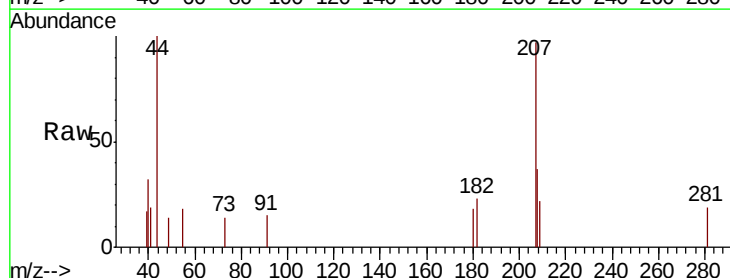
Tgt Ion: 180 Resp: 104

Ion Ratio Lower Upper

180 100

182 305.8 46.7 140.1#

145 0.0 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): VN057553.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN057553.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN057553.D (-4073) (-)

