

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\  
 Data File : VN054857.D  
 Acq On : 31 Mar 2019 18:11  
 Operator : JC/SP  
 Sample : K2180-16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Apr 01 02:48:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

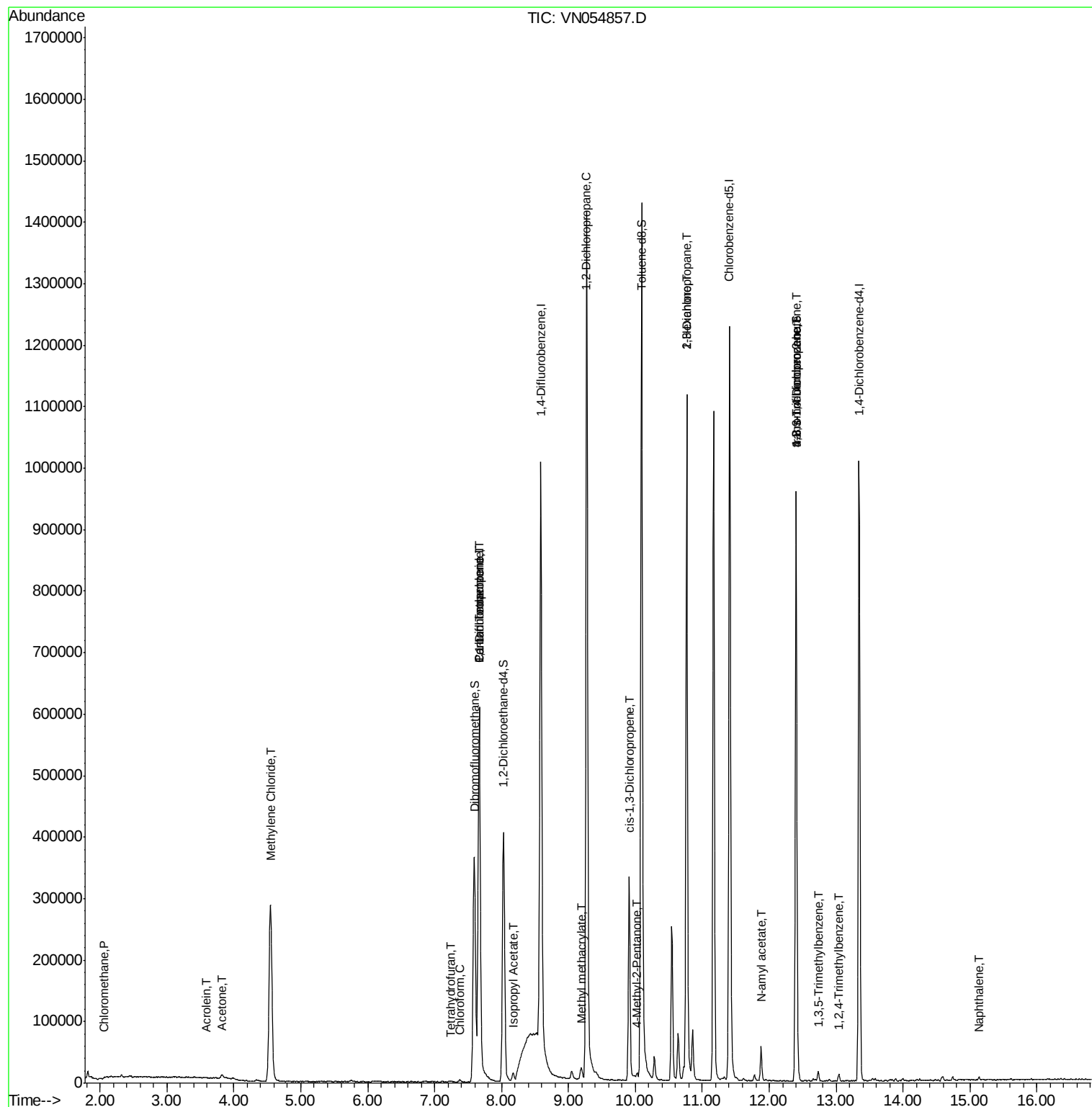
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.67   | 168  | 518018   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.59   | 114  | 872672   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.41  | 117  | 737955   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.34  | 152  | 271747   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.03   | 65   | 350519   | 50.20     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 100.40% |          |
| 35) Dibromofluoromethane       | 7.59   | 113  | 277877   | 47.76     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 95.52%  |          |
| 50) Toluene-d8                 | 10.09  | 98   | 1035867  | 47.89     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 95.78%  |          |
| 62) 4-Bromofluorobenzene       | 12.40  | 95   | 324572   | 45.12     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 90.24%  |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 3) Chloromethane               | 2.06   | 50   | 1546     | 0.213     | ug/l    | 93       |
| 5) Bromomethane                | 2.58   | 94   | 130      | Below Cal | #       | 2        |
| 13) Acrolein                   | 3.60   | 56   | 273      | 0.839     | ug/l #  | 43       |
| 16) Acetone                    | 3.83   | 43   | 8616     | 5.174     | ug/l #  | 85       |
| 18) Methyl Acetate             | 4.34   | 43   | 3971     | Below Cal | #       | 64       |
| 20) Methylene Chloride         | 4.55   | 84   | 202707   | 34.510    | ug/l #  | 85       |
| 29) Tetrahydrofuran            | 7.24   | 42   | 885      | 0.518     | ug/l #  | 44       |
| 30) Chloroform                 | 7.37   | 83   | 2817     | 0.279     | ug/l #  | 81       |
| 31) Cyclohexane                | 7.66   | 56   | 11394    | Below Cal | #       | 33       |
| 36) 1,1-Dichloropropene        | 7.67   | 75   | 39816    | 4.896     | ug/l #  | 47       |
| 38) Carbon Tetrachloride       | 7.67   | 117  | 47471    | 6.011     | ug/l #  | 16       |
| 43) Isopropyl Acetate          | 8.17   | 43   | 16977    | 1.752     | ug/l #  | 84       |
| 45) 1,2-Dichloropropane        | 9.28   | 63   | 1894     | 0.285     | ug/l #  | 43       |
| 48) Methyl methacrylate        | 9.18   | 41   | 8195     | 1.560     | ug/l #  | 11       |
| 51) 4-Methyl-2-Pentanone       | 10.02  | 43   | 9293     | 1.706     | ug/l #  | 36       |
| 54) cis-1,3-Dichloropropene    | 9.91   | 75   | 56438    | 6.475     | ug/l #  | 72       |
| 57) 1,3-Dichloropropane        | 10.77  | 76   | 11322    | 1.279     | ug/l #  | 43       |
| 59) 2-Hexanone                 | 10.77  | 43   | 186168   | 53.385    | ug/l #  | 48       |
| 74) N-amyl acetate             | 11.88  | 43   | 19429    | 2.808     | ug/l #  | 50       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.40  | 83   | 205      | Below Cal | #       | 1        |
| 76) 1,2,3-Trichloropropane     | 12.40  | 75   | 170645   | 36.147    | ug/l #  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73  | 105  | 7623     | 0.418     | ug/l    | 92       |
| 81) trans-1,4-Dichloro-2-buten | 12.40  | 75   | 170645   | 140.602   | ug/l #  | 11       |
| 83) tert-Butylbenzene          | 13.04  | 119  | 927      | Below Cal | #       | 81       |
| 84) 1,2,4-Trimethylbenzene     | 13.04  | 105  | 6999     | 0.403     | ug/l    | 92       |
| 95) Naphthalene                | 15.13  | 128  | 3564     | 0.364     | ug/l #  | 93       |

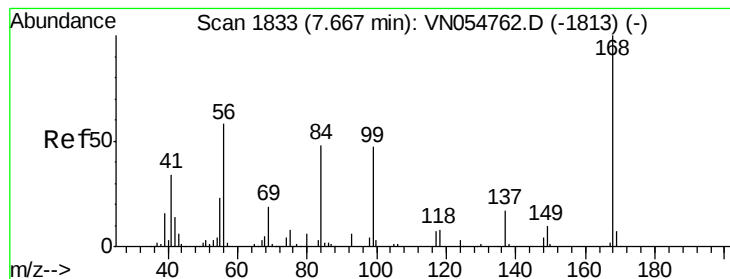
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 02:48:51 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

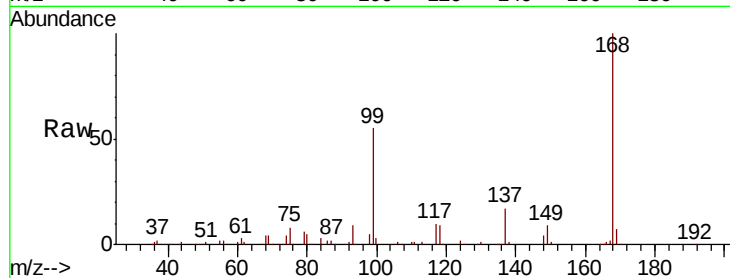
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 518018

Ion Ratio Lower Upper

168 100

99 55.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

100000

50000

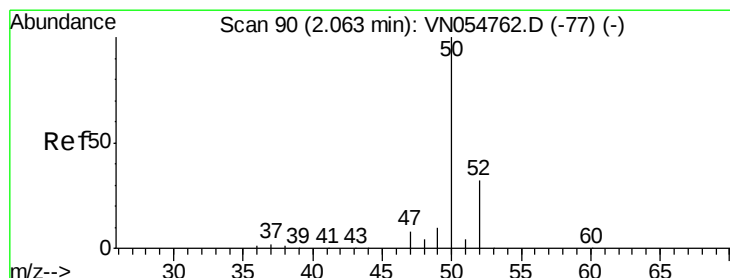
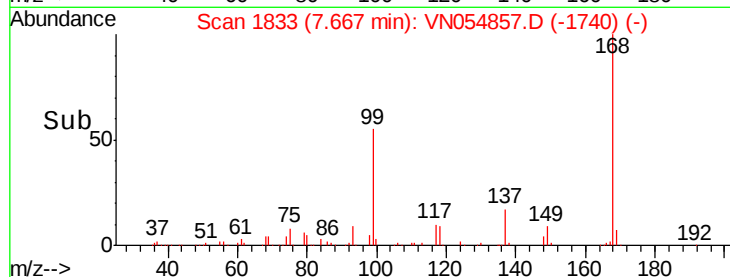
0

Time-->

7.60

7.70

7.80



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054857.D

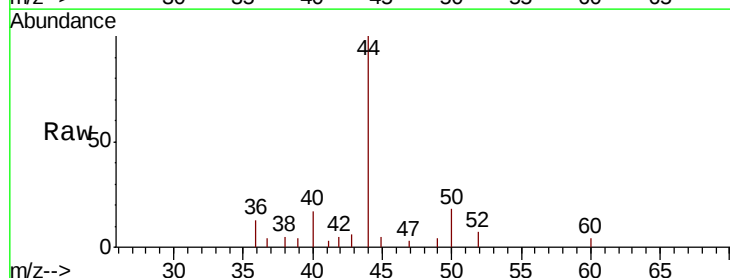
Acq: 31 Mar 2019 18:11

Tgt Ion: 50 Resp: 1546

Ion Ratio Lower Upper

50 100

52 37.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

1000

800

600

400

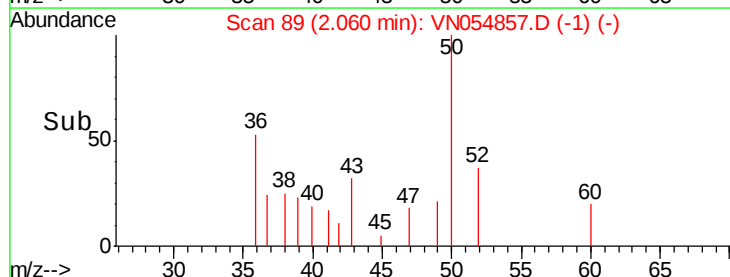
200

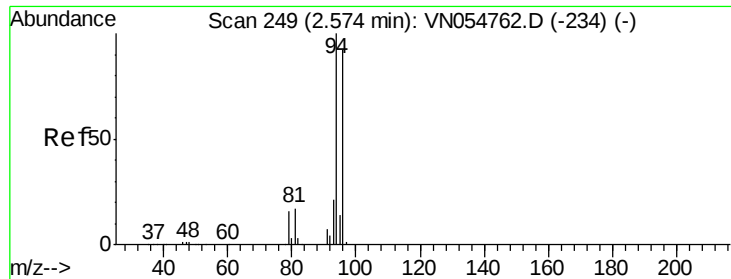
0

Time-->

2.05

2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

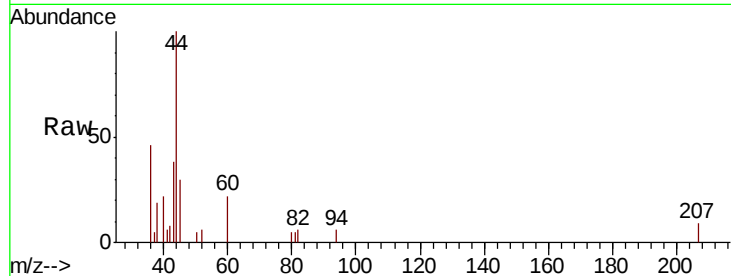
ClientSampled :

Tot Ion: 94 Resp: 130

Ion Ratio Lower Upper

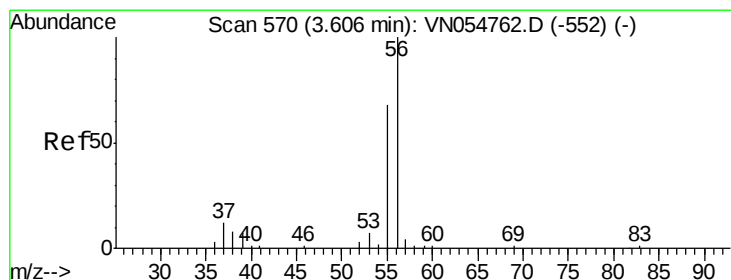
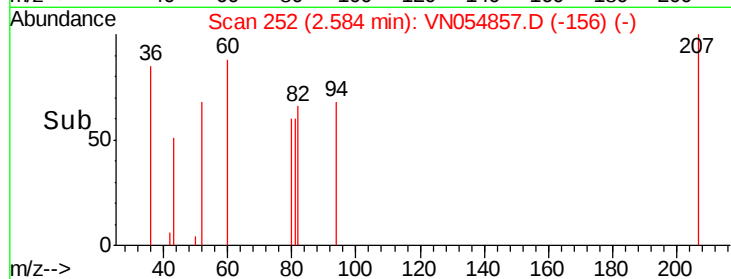
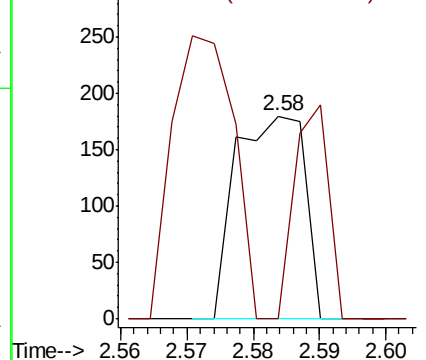
94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 0.839 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054857.D

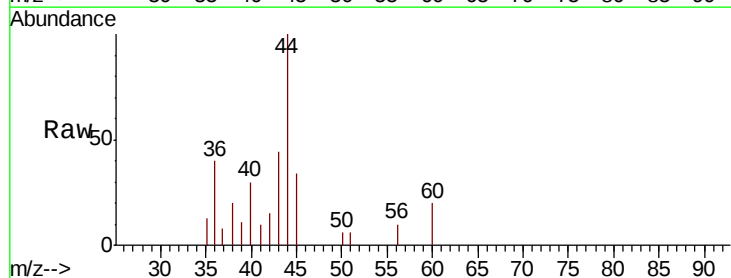
Acq: 31 Mar 2019 18:11

Tgt Ion: 56 Resp: 273

Ion Ratio Lower Upper

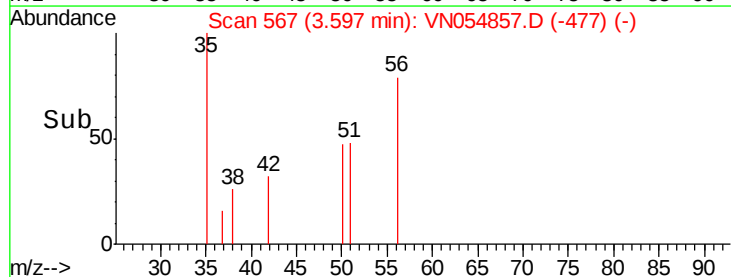
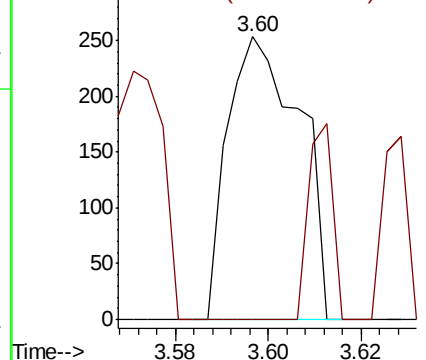
56 100

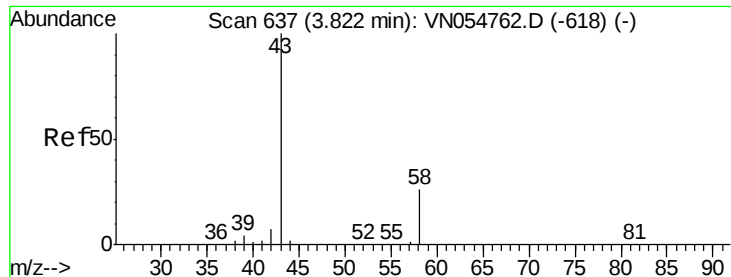
55 23.4 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 5.174 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

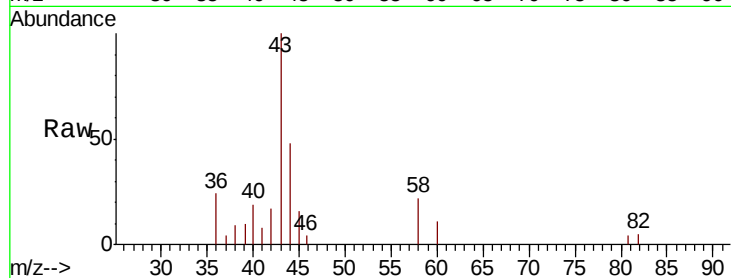
ClientSampleId :

Tot Ion: 43 Resp: 8616

Ion Ratio Lower Upper

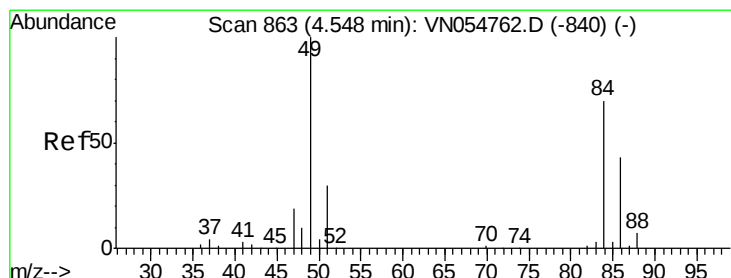
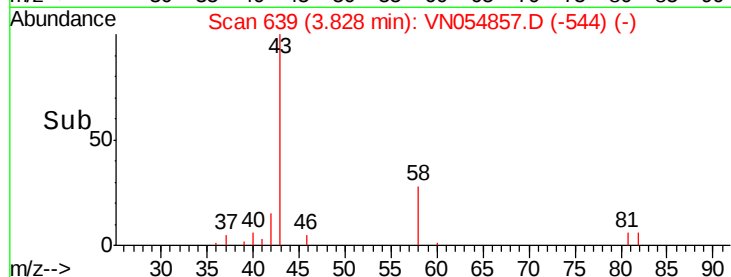
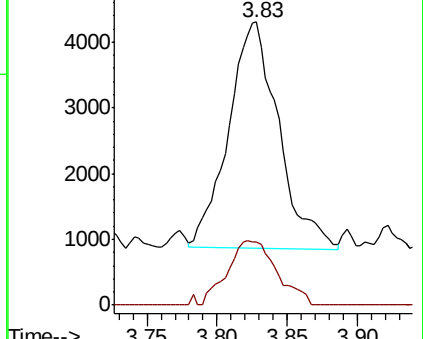
43 100

58 28.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054857.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054857.D (-544) (-)



#20

Methylene Chloride

Concen: 34.510 ug/l

RT: 4.55 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Tgt Ion: 84 Resp: 202707

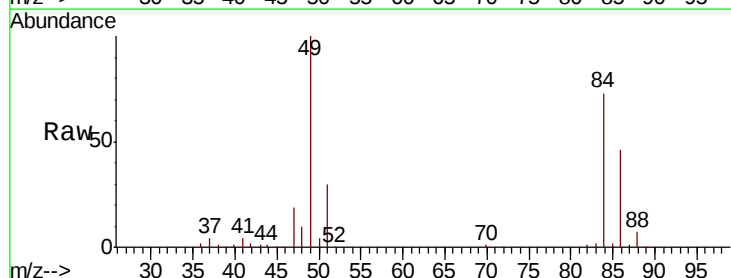
Ion Ratio Lower Upper

84 100

49 137.5 89.7 134.5#

51 40.8 28.2 42.4

86 62.8 50.8 76.2

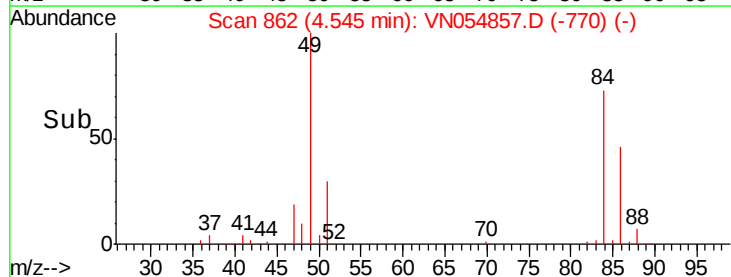
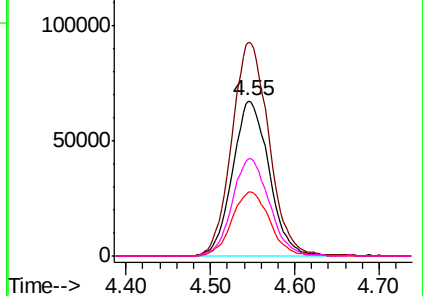


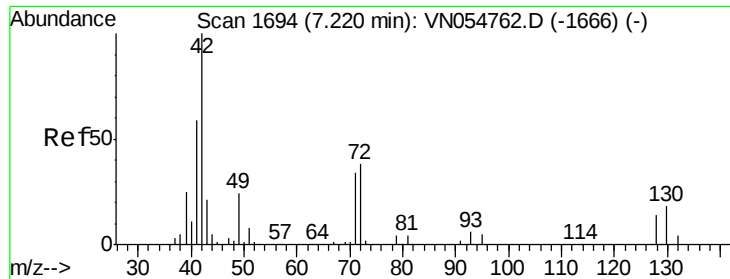
Abundance Ion 83.90 (83.60 to 84.60): VN054857.D (-770) (-)

Ion 48.90 (48.60 to 49.60): VN054857.D (-770) (-)

Ion 50.90 (50.60 to 51.60): VN054857.D (-770) (-)

Ion 85.90 (85.60 to 86.60): VN054857.D (-770) (-)





#29

Tetrahydrofuran

Concen: 0.518 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

ClientSampled :

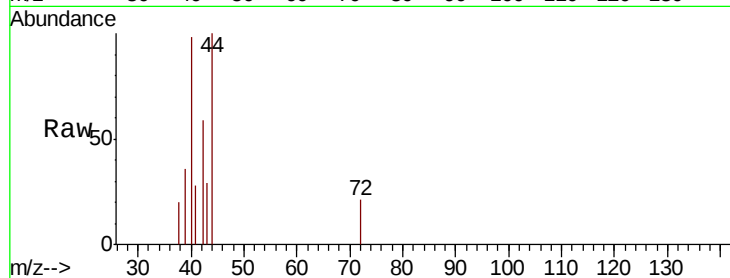
Tot Ion: 42 Resp: 885

Ion Ratio Lower Upper

42 100

72 14.4 37.8 56.6#

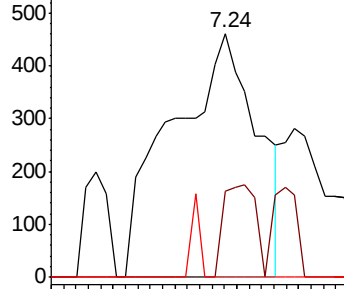
71 3.4 36.2 54.2#



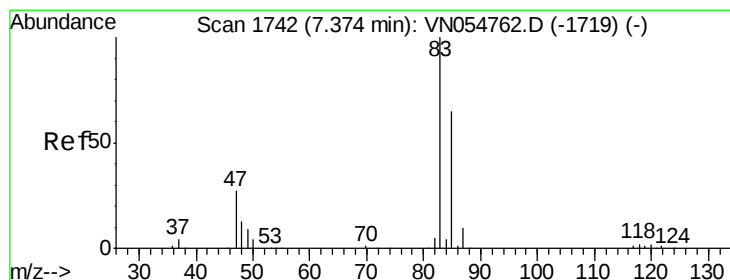
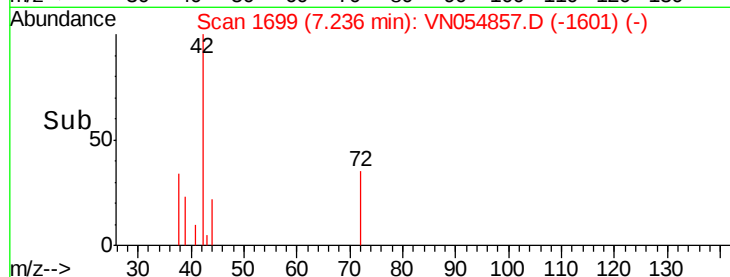
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.18 7.20 7.22 7.24 7.26



#30

Chloroform

Concen: 0.279 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VN054857.D

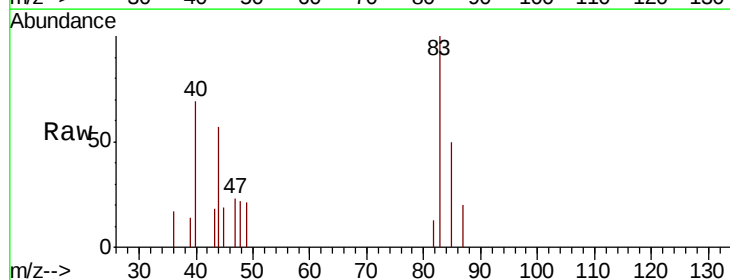
Acq: 31 Mar 2019 18:11

Tgt Ion: 83 Resp: 2817

Ion Ratio Lower Upper

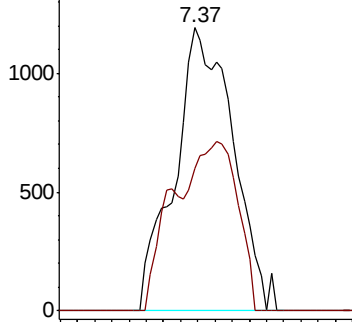
83 100

85 50.4 52.2 78.4#

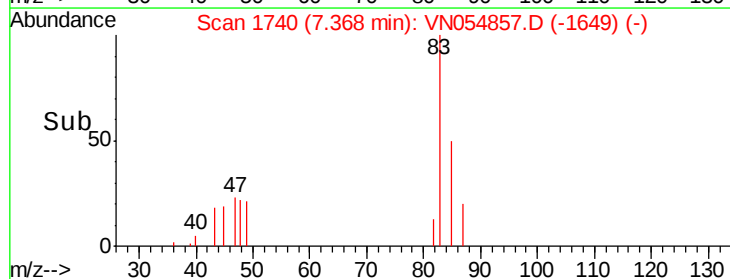


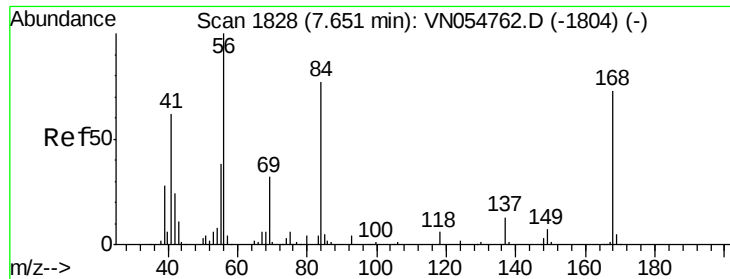
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time--> 7.30 7.35 7.40 7.45

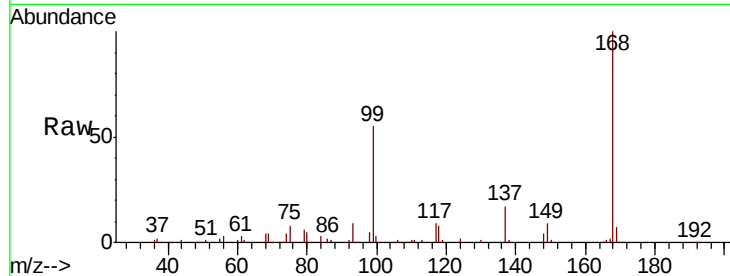




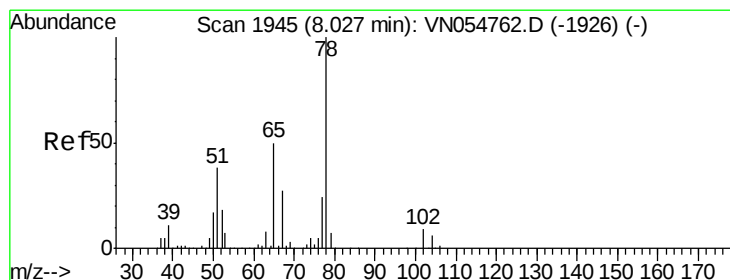
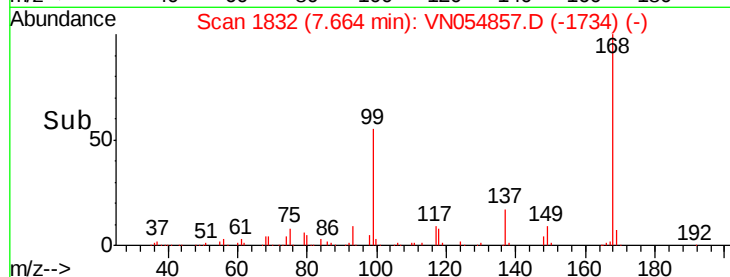
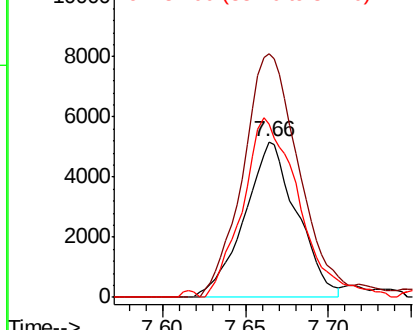
#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN054857.D  
Acq: 31 Mar 2019 18:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 11394  
Ion Ratio Lower Upper  
56 100  
69 156.3 27.8 41.6#  
84 106.9 74.6 111.8

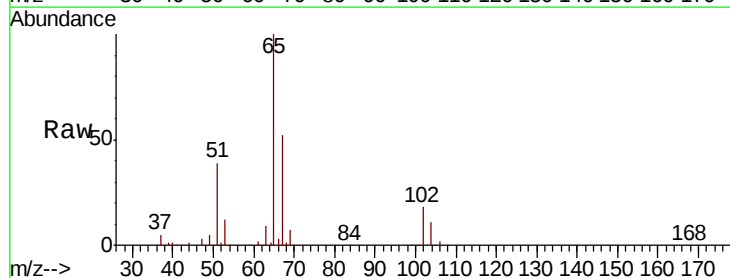


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

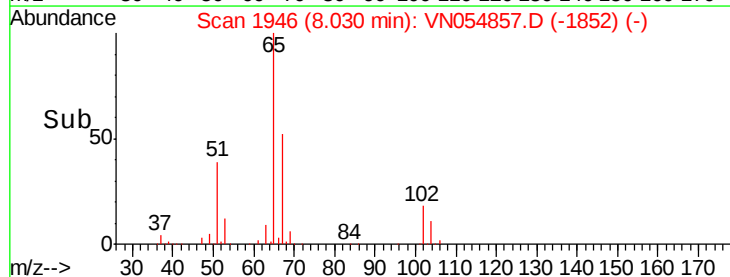
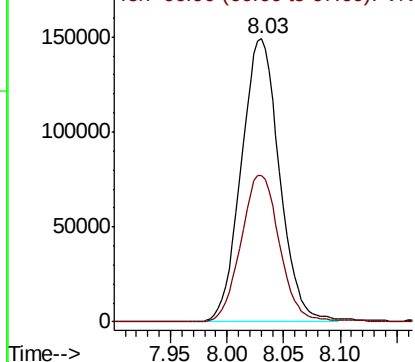


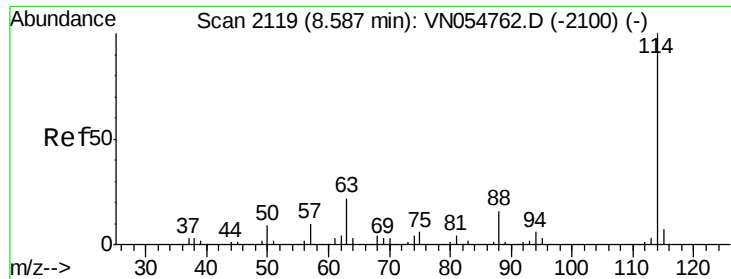
#33  
1,2-Dichloroethane-d4  
Concen: 50.196 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN054857.D  
Acq: 31 Mar 2019 18:11

Tgt Ion: 65 Resp: 350519  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

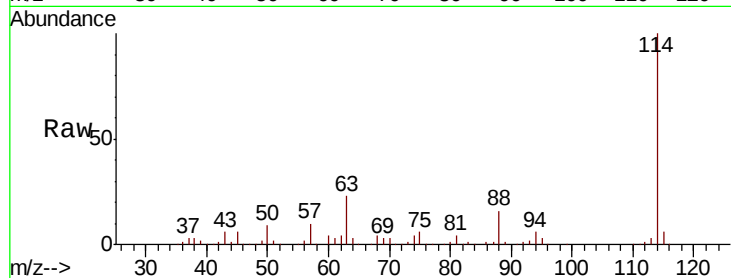




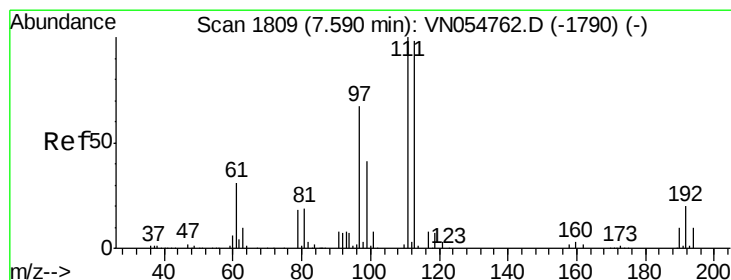
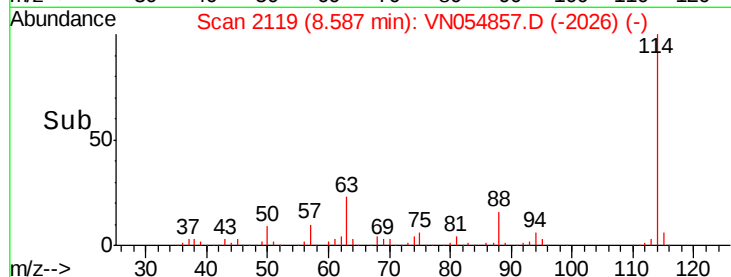
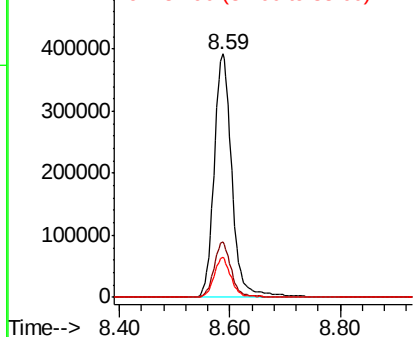
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054857.D  
 Acq: 31 Mar 2019 18:11

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:114 Resp: 872672  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 35.2  
 88 16.3 0.0 30.2

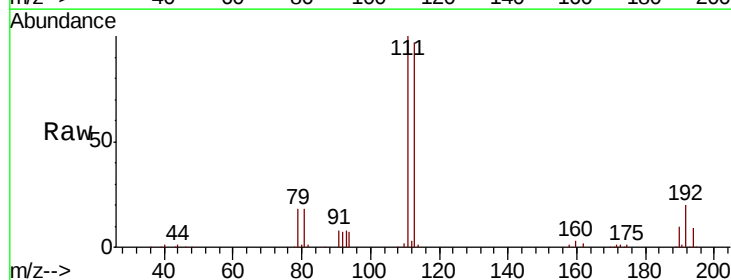


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

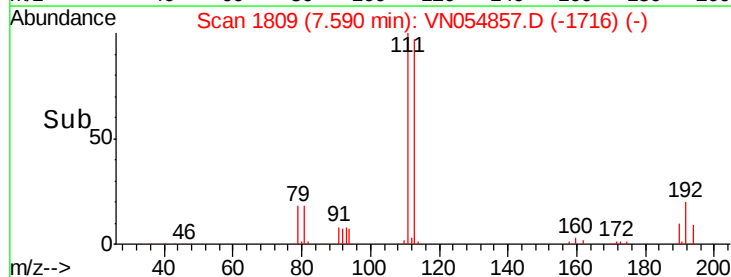
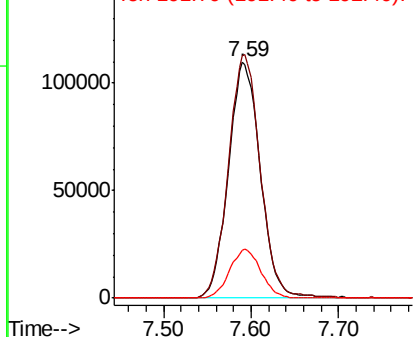


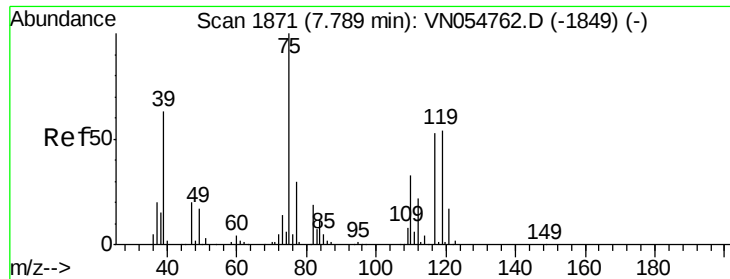
#35  
 Dibromofluoromethane  
 Concen: 47.761 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN054857.D  
 Acq: 31 Mar 2019 18:11

Tgt Ion:113 Resp: 277877  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 82.2 123.4  
 192 20.4 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

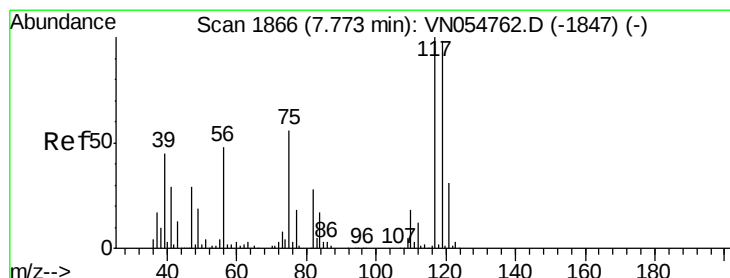
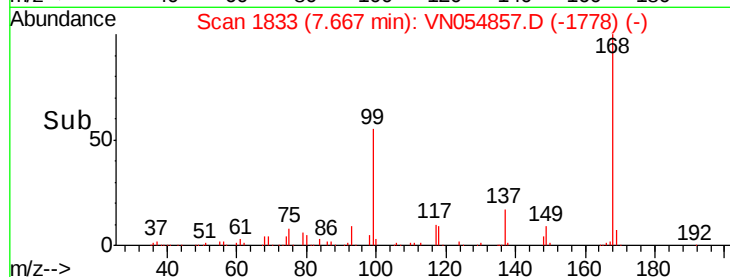
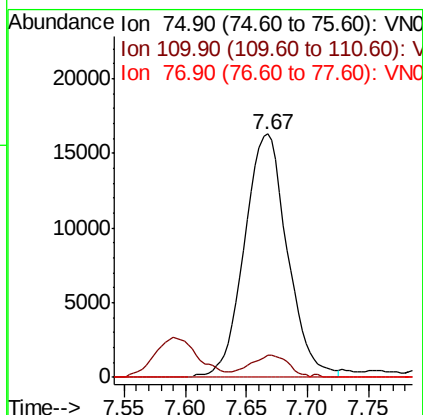
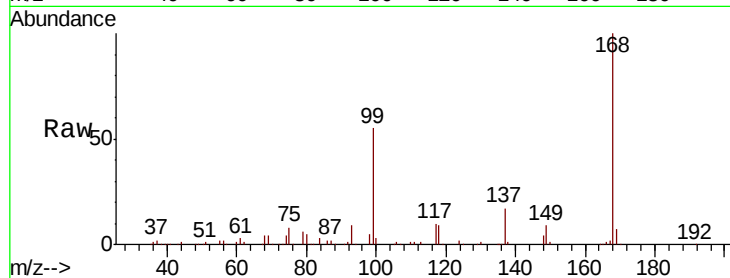




#36  
 1,1-Dichloropropene  
 Concen: 4.896 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN054857.D  
 Acq: 31 Mar 2019 18:11

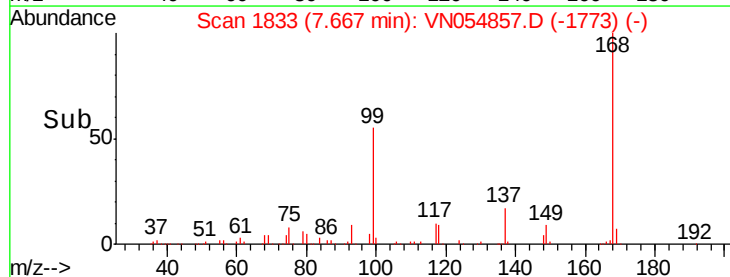
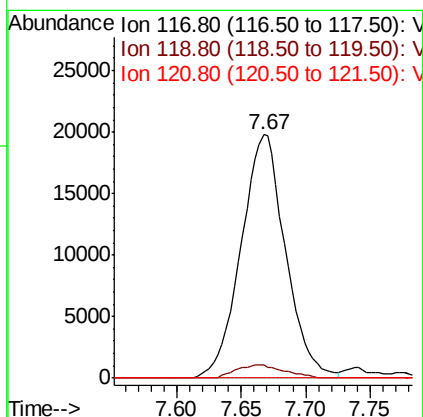
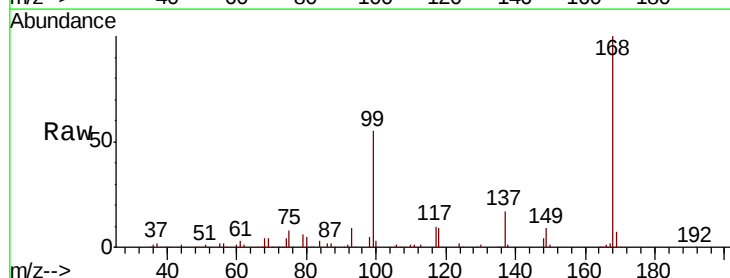
Instrument :  
 MSVOA\_N  
 ClientSampled :

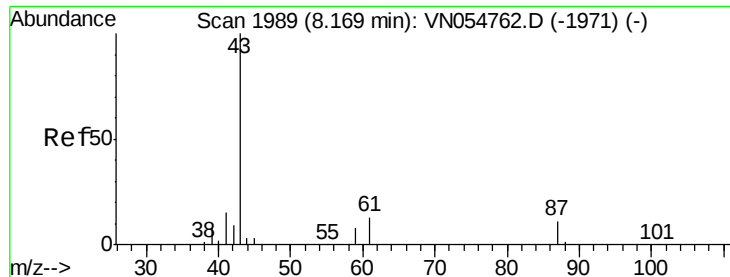
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.3   | 19.1  | 57.5# |
| 77      | 0.0   | 25.0  | 37.4# |



#38  
 Carbon Tetrachloride  
 Concen: 6.011 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN054857.D  
 Acq: 31 Mar 2019 18:11

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.2   | 76.3  | 114.5# |
| 121     | 0.0   | 24.6  | 36.8#  |





#43

Isopropyl Acetate

Concen: 1.752 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

ClientSampled :

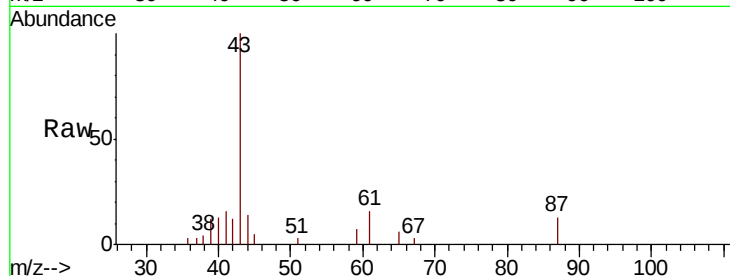
Tot Ion: 43 Resp: 16977

Ion Ratio Lower Upper

43 100

61 9.4 15.8 23.8#

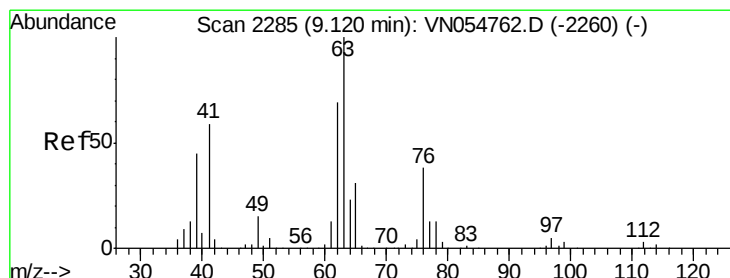
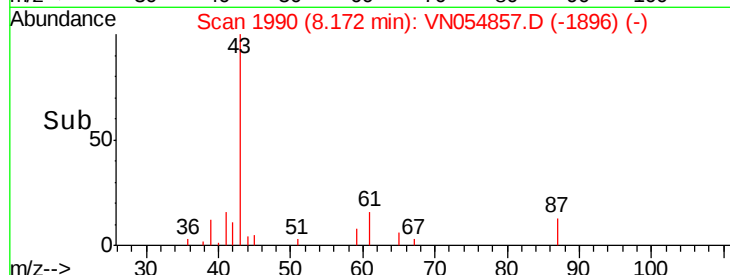
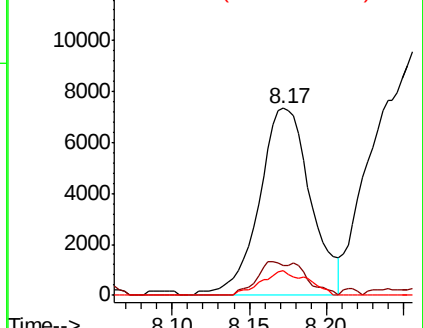
87 11.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.285 ug/l

RT: 9.28 min Scan# 2334

Delta R.T. 0.16 min

Lab File: VN054857.D

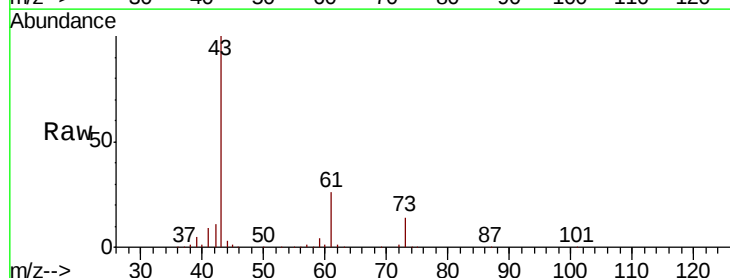
Acq: 31 Mar 2019 18:11

Tgt Ion: 63 Resp: 1894

Ion Ratio Lower Upper

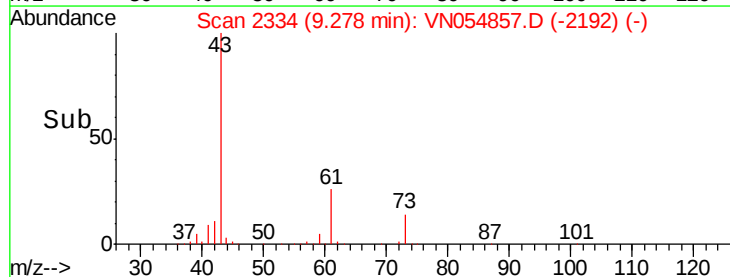
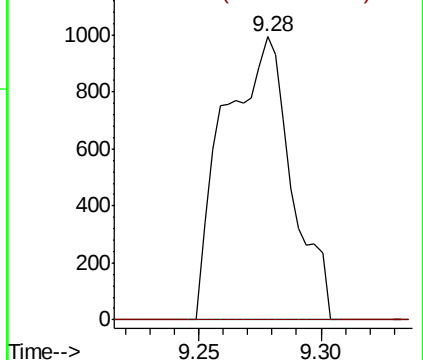
63 100

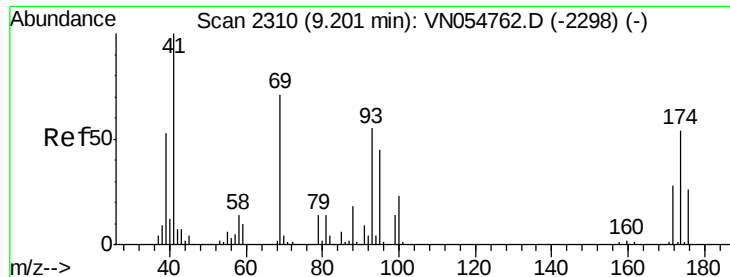
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

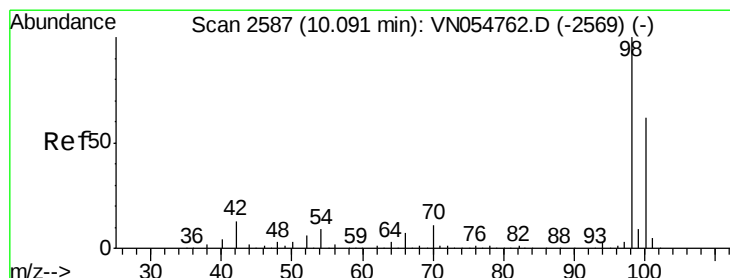
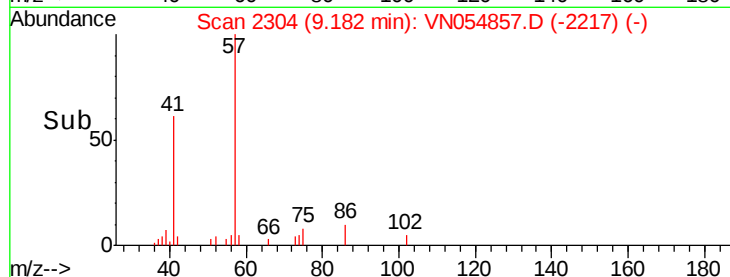
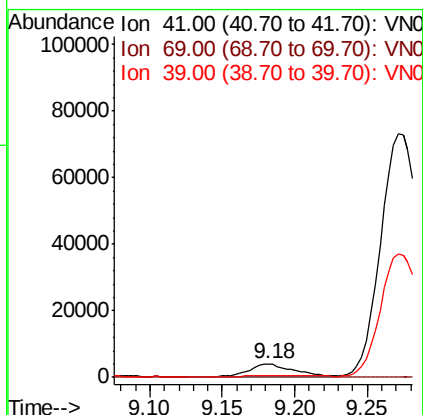
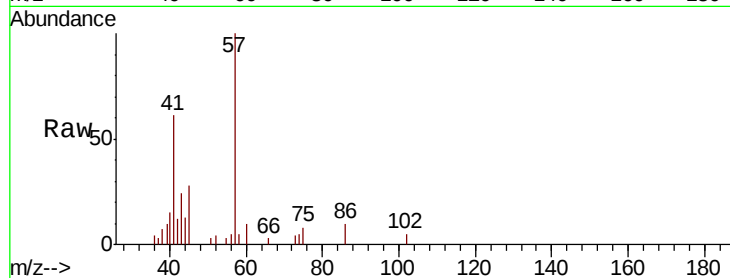




#48  
Methyl methacrylate  
Concen: 1.560 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.02 min  
Lab File: VN054857.D  
Acq: 31 Mar 2019 18:11

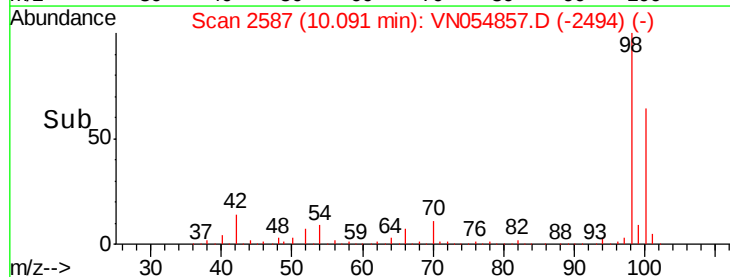
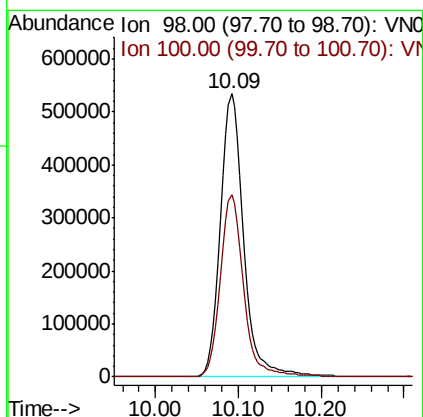
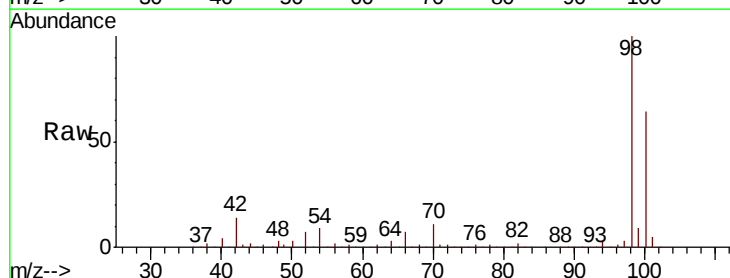
Instrument :  
MSVOA\_N  
ClientSampled :

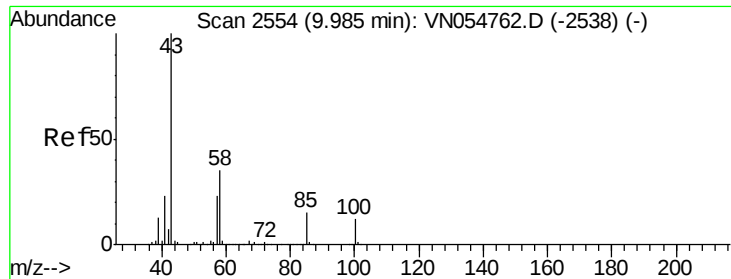
Tot Ion: 41 Resp: 8195  
Ion Ratio Lower Upper  
41 100  
69 0.0 72.6 108.8#  
39 0.0 47.5 71.3#



#50  
Toluene-d8  
Concen: 47.890 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN054857.D  
Acq: 31 Mar 2019 18:11

Tgt Ion: 98 Resp: 1035867  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.706 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

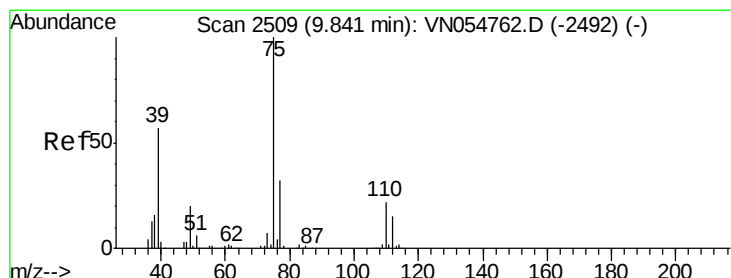
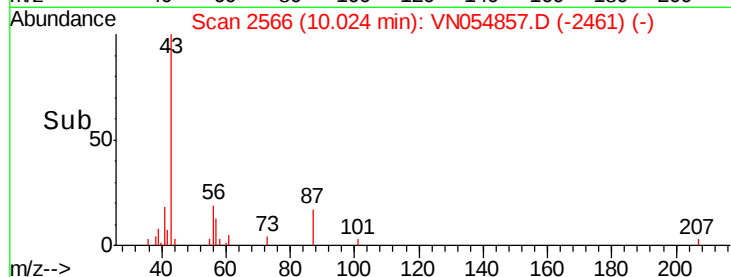
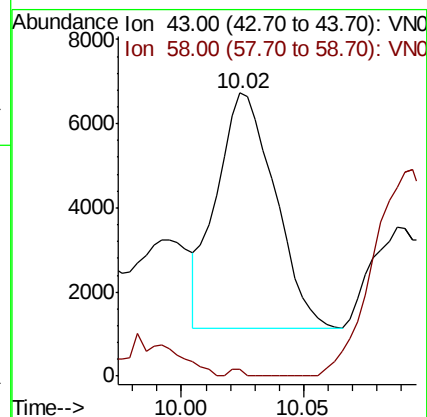
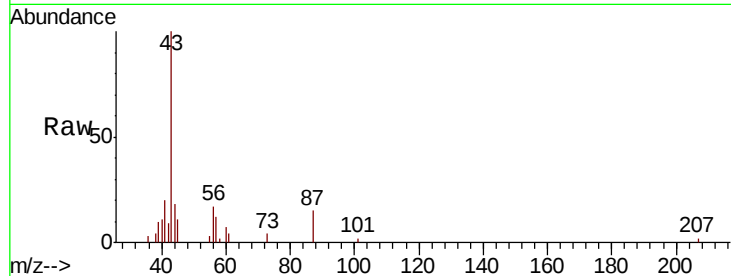
ClientSampled :

Tot Ion: 43 Resp: 9293

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 6.475 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

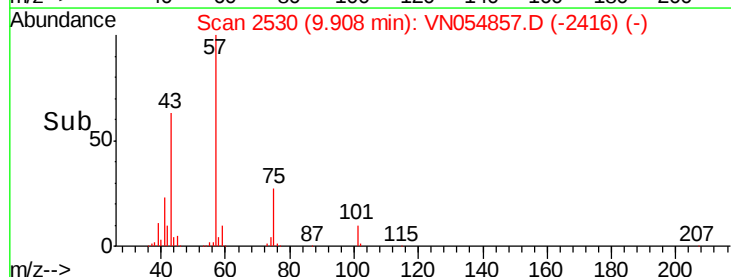
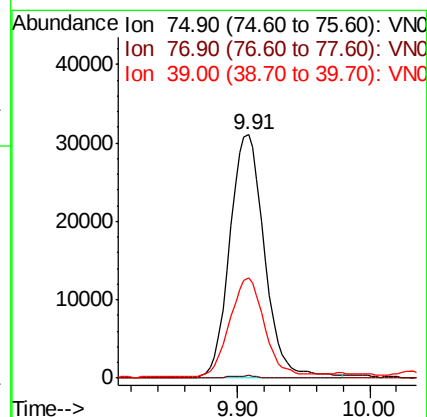
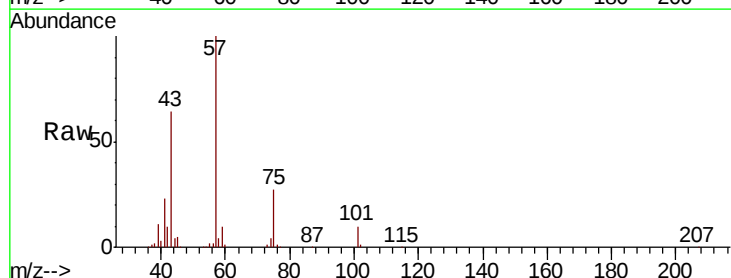
Tgt Ion: 75 Resp: 56438

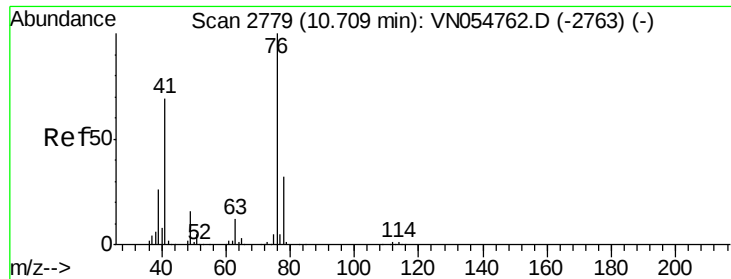
Ion Ratio Lower Upper

75 100

77 1.0 25.4 38.0#

39 40.7 37.2 55.8





#57

1,3-Dichloropropane

Concen: 1.279 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

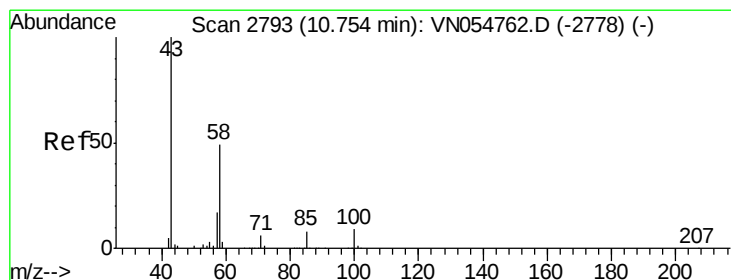
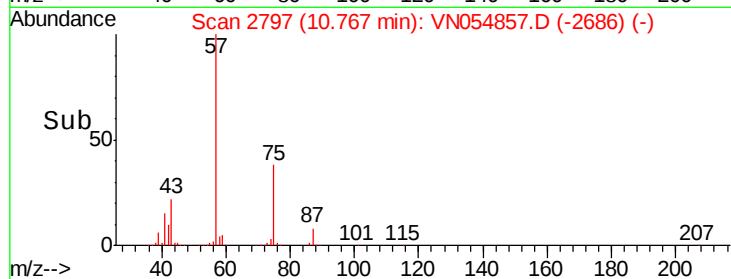
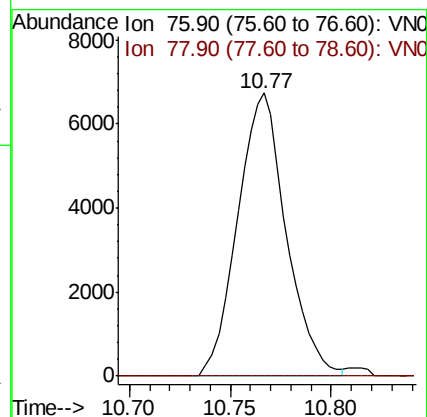
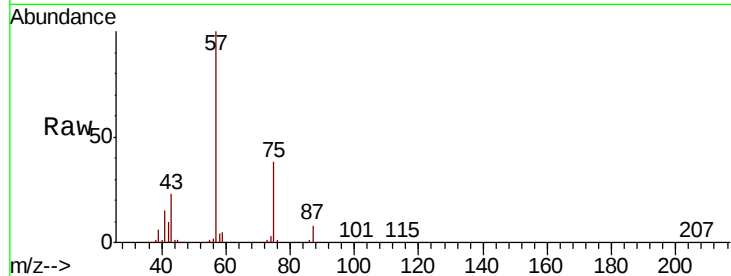
ClientSampleId :

Tot Ion: 76 Resp: 11322

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 53.385 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054857.D

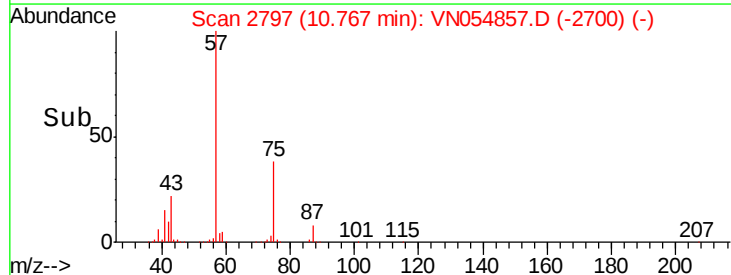
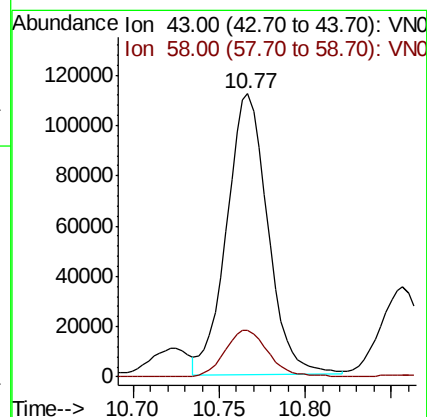
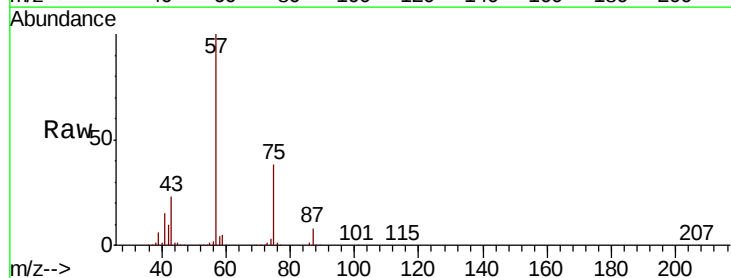
Acq: 31 Mar 2019 18:11

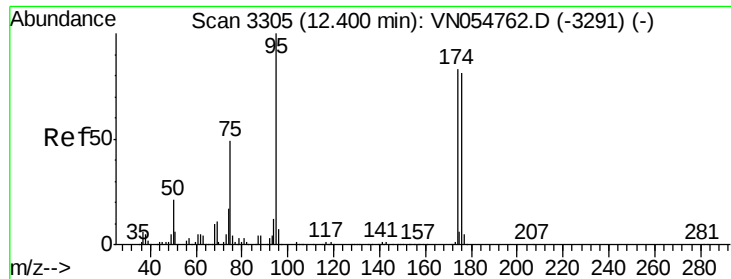
Tgt Ion: 43 Resp: 186168

Ion Ratio Lower Upper

43 100

58 17.8 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 45.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :

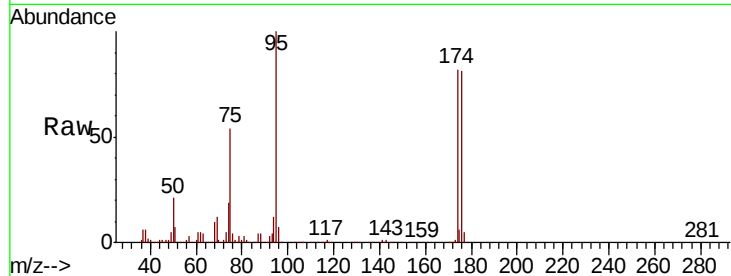
Tot Ion: 95 Resp: 324572

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

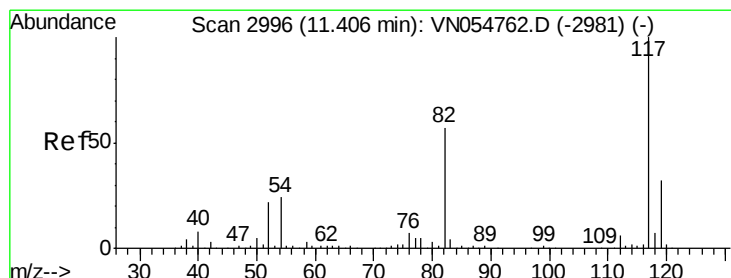
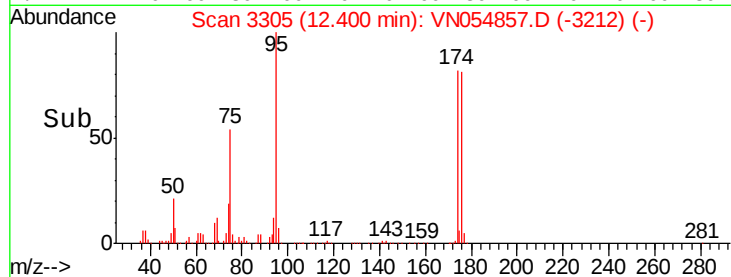
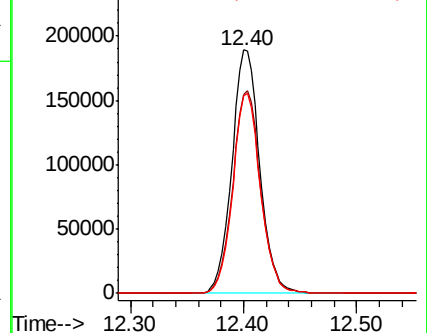
176 81.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

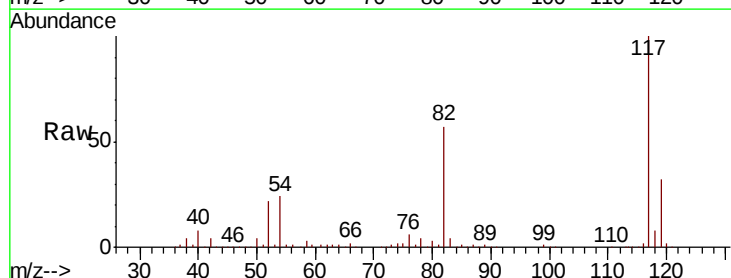
Tgt Ion: 117 Resp: 737955

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

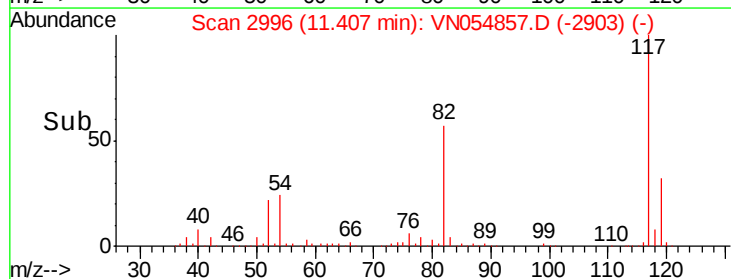
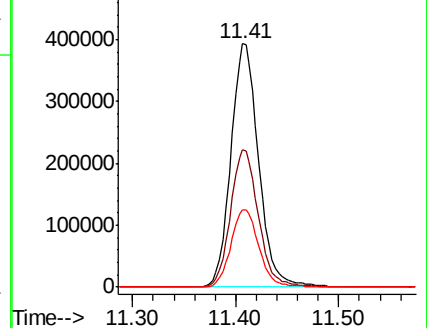
119 31.9 25.8 38.6

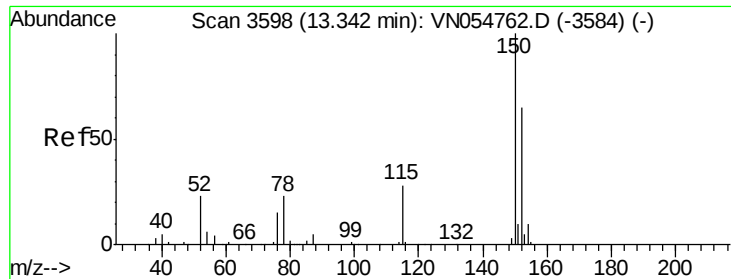


Abundance Ion 116.90 (116.60 to 117.60): VN054762.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054762.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054762.D (-2981) (-)



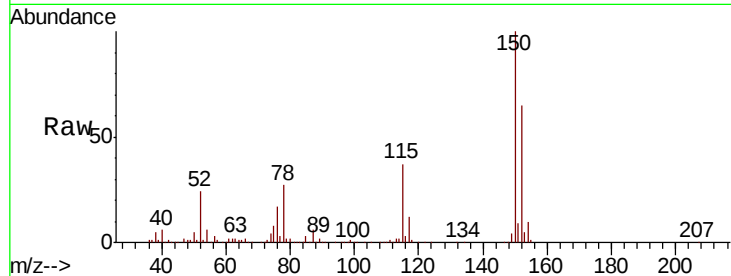


#72

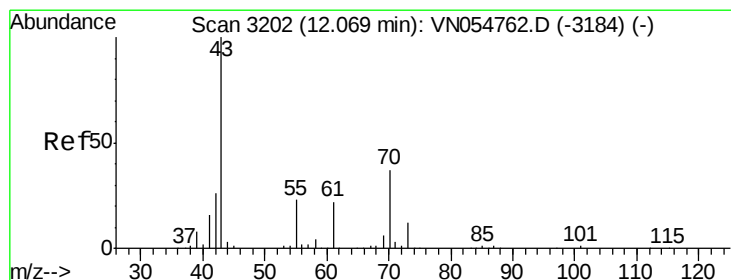
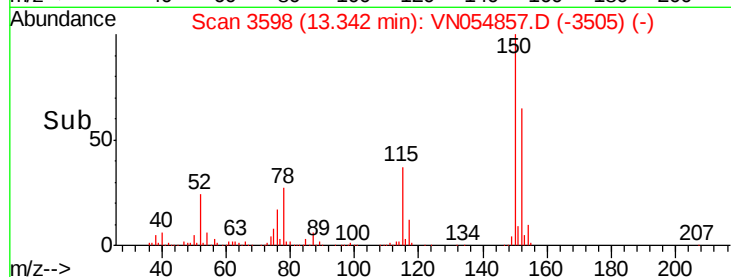
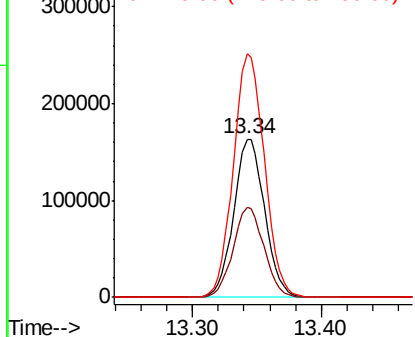
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN054857.D  
Acq: 31 Mar 2019 18:11

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:152 Resp: 271747  
Ion Ratio Lower Upper  
152 100  
115 56.8 27.2 81.6  
150 155.0 0.0 349.2



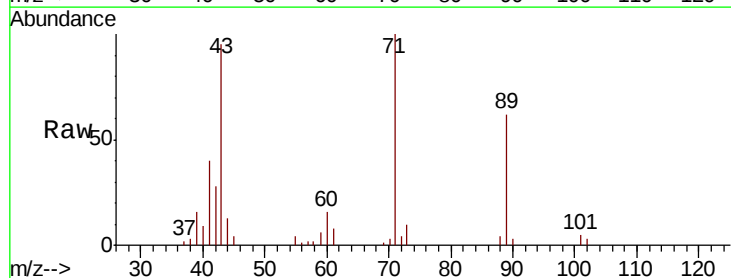
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



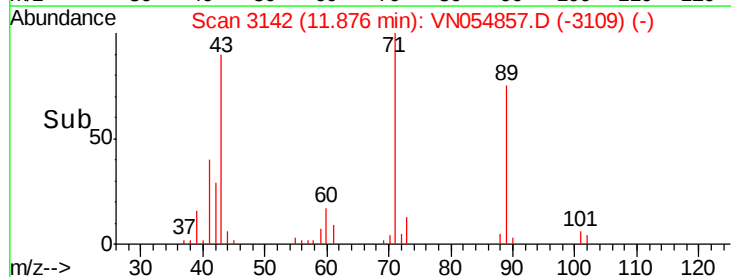
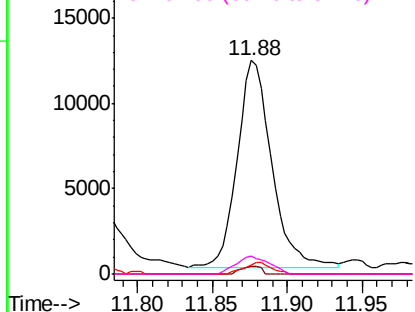
#74

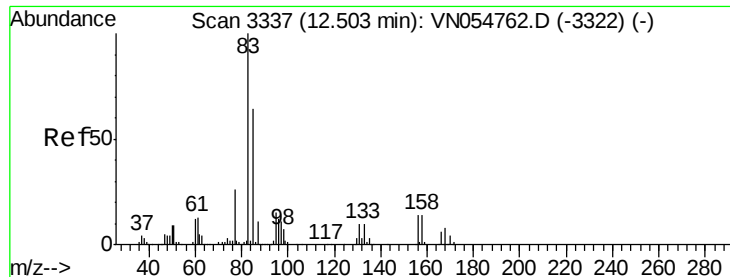
N-ethyl acetate  
Concen: 2.808 ug/l  
RT: 11.88 min Scan# 3142  
Delta R.T. -0.19 min  
Lab File: VN054857.D  
Acq: 31 Mar 2019 18:11

Tgt Ion: 43 Resp: 19429  
Ion Ratio Lower Upper  
43 100  
70 2.1 35.4 53.0#  
55 4.4 19.8 29.6#  
61 8.3 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 70.00 (69.70 to 70.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO  
Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :

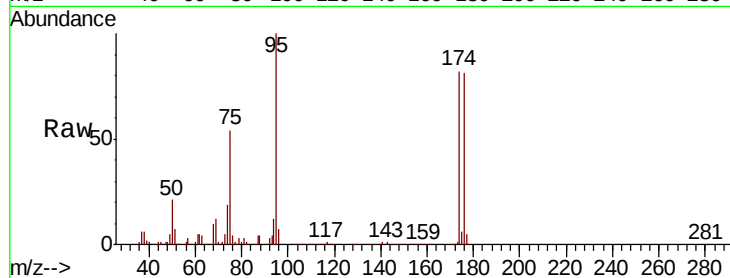
Tot Ion: 83 Resp: 205

Ion Ratio Lower Upper

83 100

131 164.4 5.8 17.4#

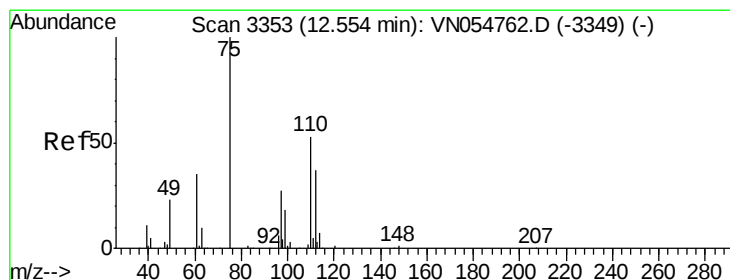
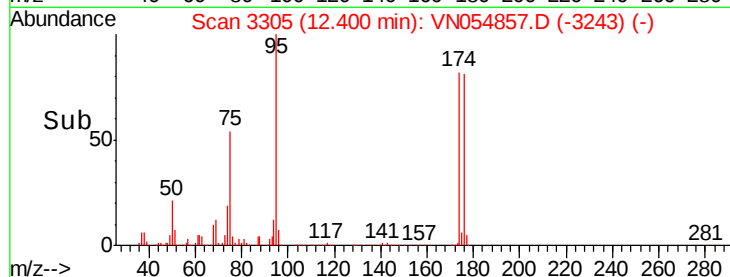
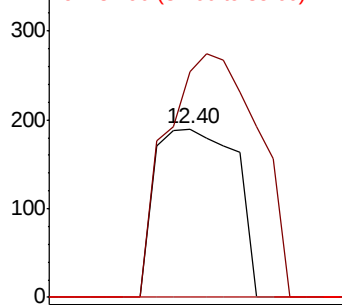
85 0.0 32.2 96.6#



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: 36.147 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054857.D

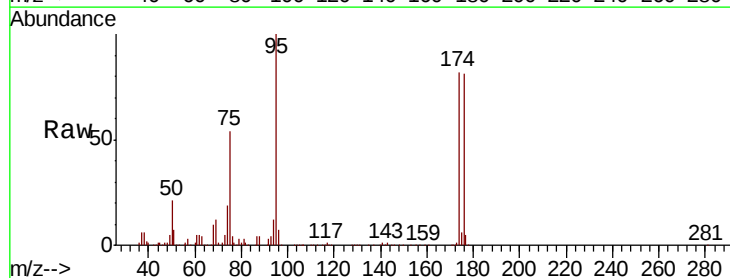
Acq: 31 Mar 2019 18:11

Tgt Ion: 75 Resp: 170645

Ion Ratio Lower Upper

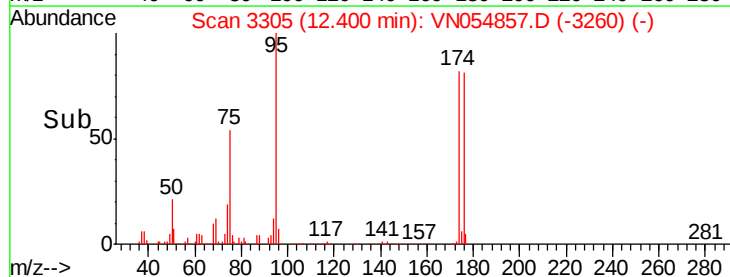
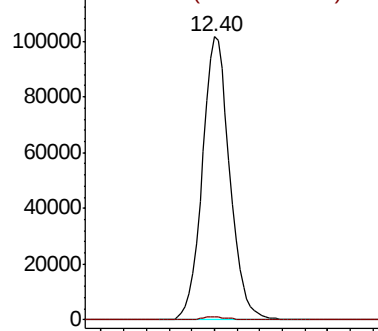
75 100

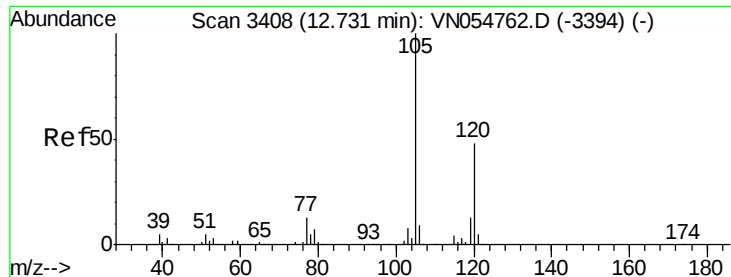
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.418 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

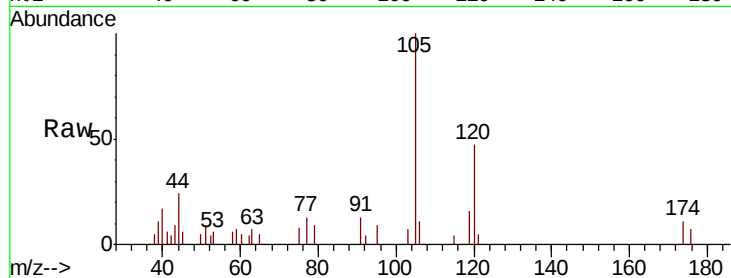
ClientSampleId :

Tot Ion:105 Resp: 7623

Ion Ratio Lower Upper

105 100

120 44.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

4000

3000

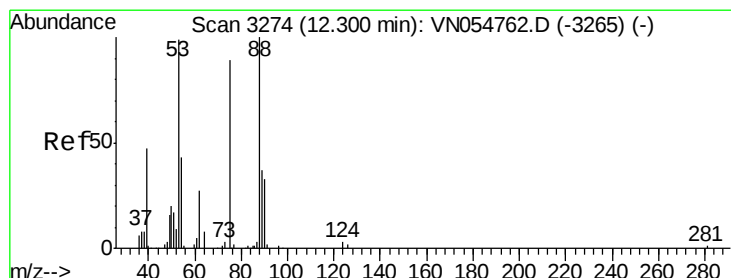
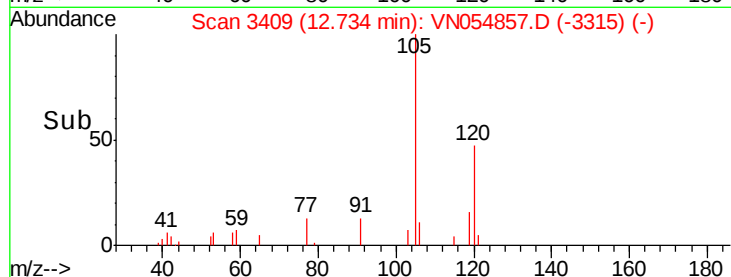
2000

1000

0

12.70 12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 140.602 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

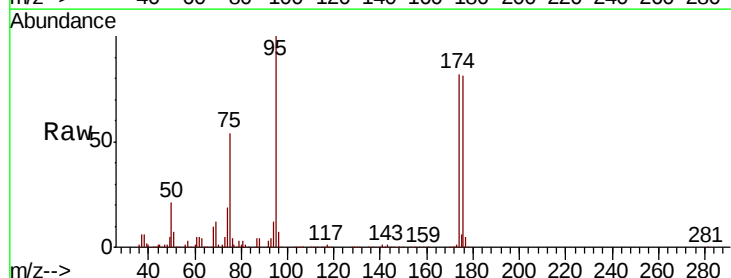
Tgt Ion: 75 Resp: 170645

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

12.40

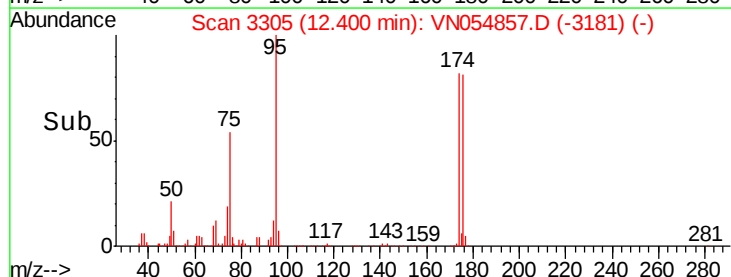
100000

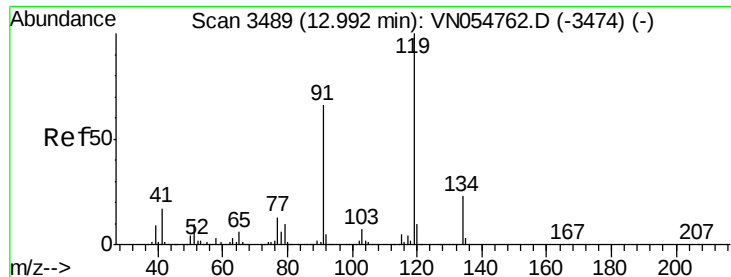
50000

0

12.30 12.40 12.50

Time-->

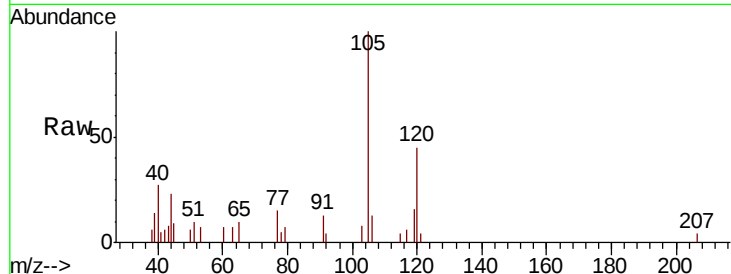




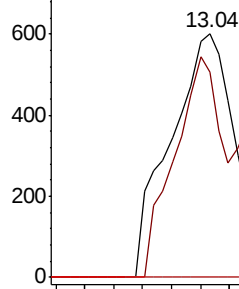
#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.05 min  
 Lab File: VN054857.D  
 Acq: 31 Mar 2019 18:11

Instrument :  
 MSVOA\_N  
 ClientSampled :

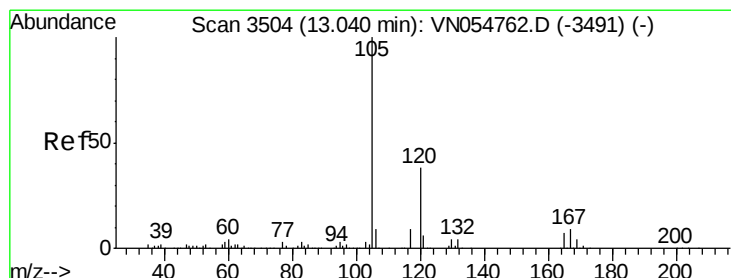
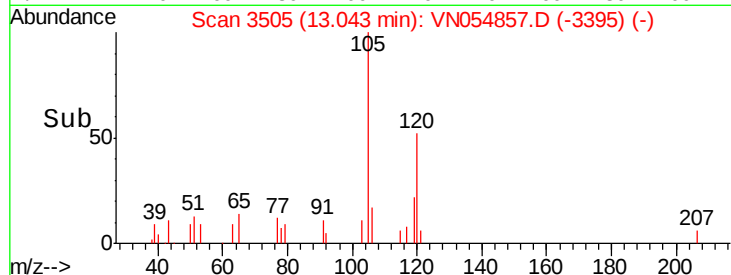
Tot Ion:119 Resp: 927  
 Ion Ratio Lower Upper  
 119 100  
 91 65.9 30.9 92.8  
 134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

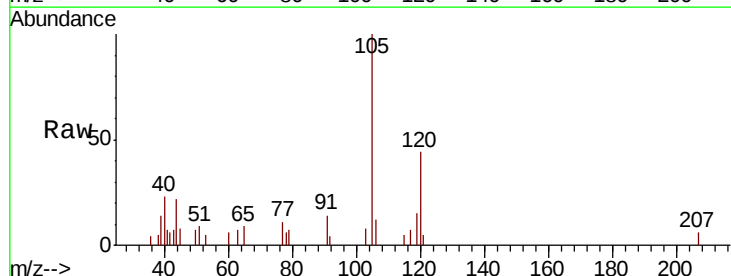


Time-->

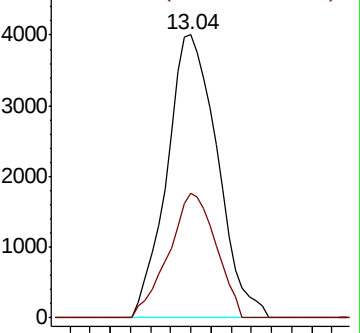


#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.403 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN054857.D  
 Acq: 31 Mar 2019 18:11

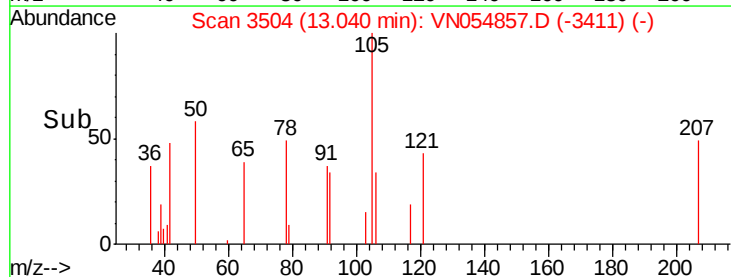
Tgt Ion:105 Resp: 6999  
 Ion Ratio Lower Upper  
 105 100  
 120 41.5 23.4 70.3

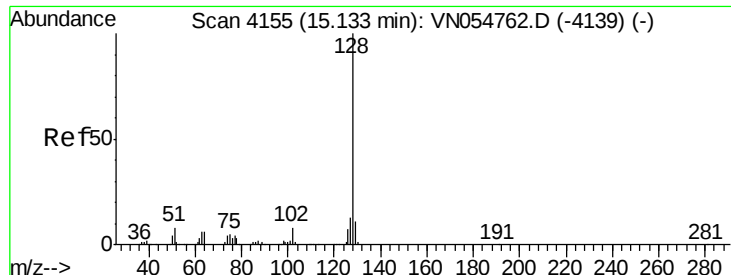


Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V



Time-->





#95

Naphthalene

Concen: 0.364 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

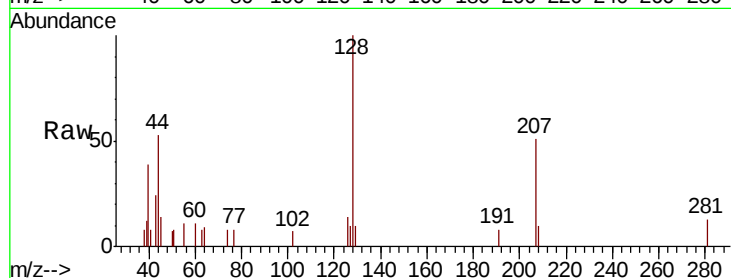
Lab File: VN054857.D

Acq: 31 Mar 2019 18:11

Instrument :

MSVOA\_N

ClientSampleId :



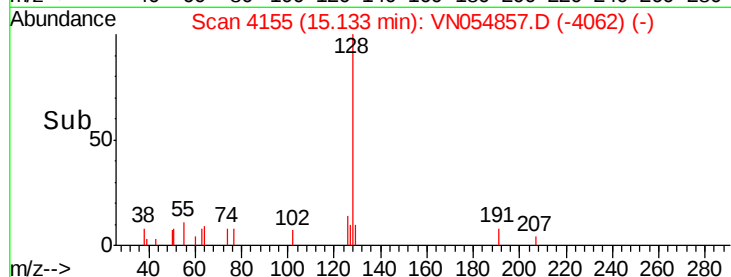
Tot Ion:128 Resp: 3564

Ion Ratio Lower Upper

128 100

127 7.7 10.1 15.1#

129 10.7 8.7 13.1



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

