

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
 Data File : VN049419.D  
 Acq On : 20 Jun 2018 6:37  
 Operator : MD\SY  
 Sample : J3498-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 20 08:22:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1135298  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1835075  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1470702  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 409932   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 762472   | 50.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.28% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 678702   | 45.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.42%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2446334  | 43.27 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.54%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 605047   | 32.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 64.74%  |          |

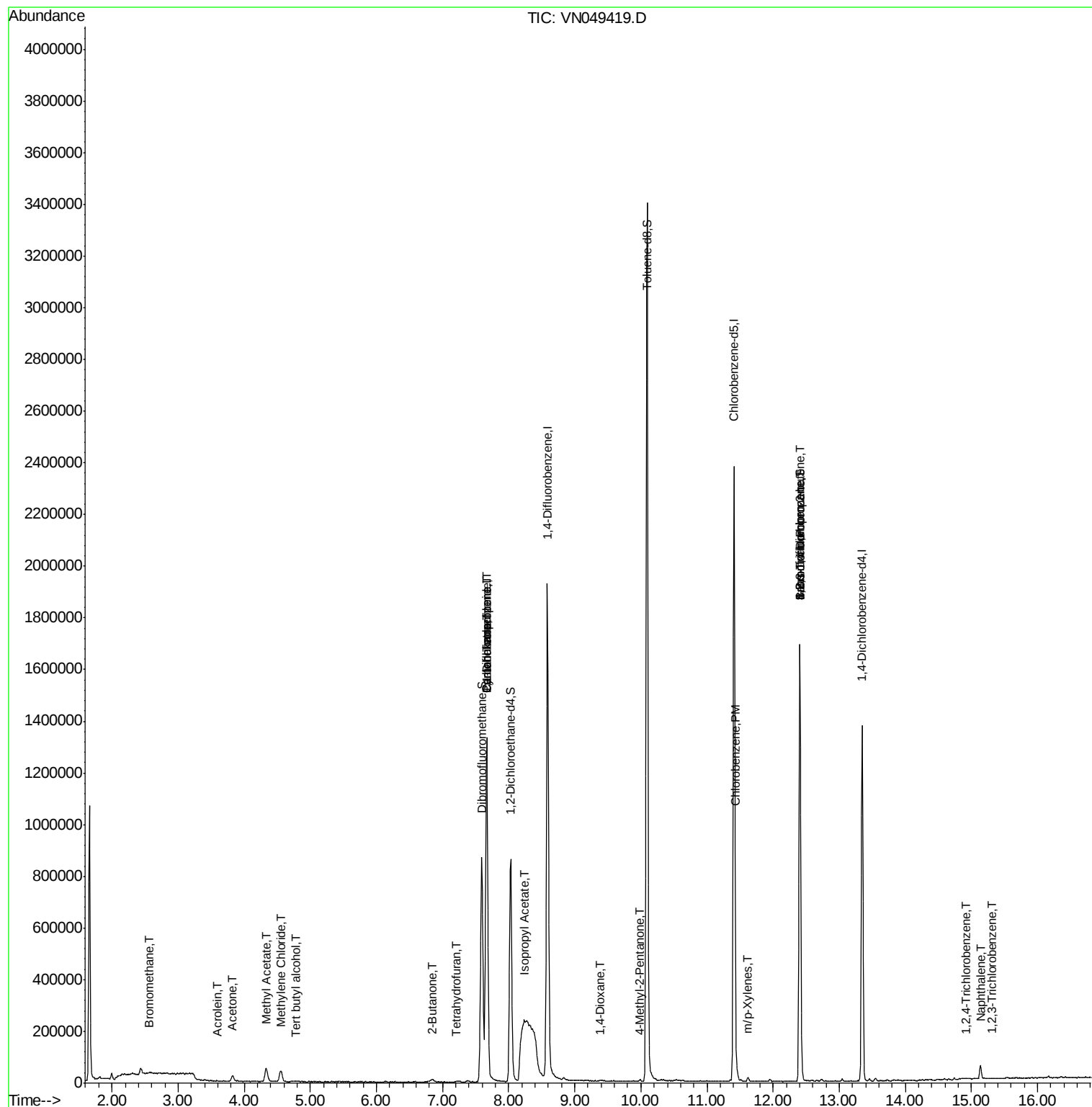
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 5) Bromomethane                | 2.57  | 94   | 3716     | 0.39   | ug/l # | 72     |
| 11) Tert butyl alcohol         | 4.79  | 59   | 397      | 0.45   | ug/l # | 70     |
| 13) Acrolein                   | 3.60  | 56   | 282      | 0.30   | ug/l   | 97     |
| 16) Acetone                    | 3.82  | 43   | 35668    | 9.76   | ug/l   | 89     |
| 18) Methyl Acetate             | 4.33  | 43   | 103702   | 9.30   | ug/l   | 93     |
| 20) Methylene Chloride         | 4.55  | 84   | 33275    | 2.18   | ug/l   | 86     |
| 25) 2-Butanone                 | 6.84  | 43   | 1440     | 0.29   | ug/l   | 98     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 1960     | 0.62   | ug/l # | 72     |
| 31) Cyclohexane                | 7.66  | 56   | 20924    | 0.77   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 81361    | 3.87   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 103254   | 4.74   | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.24  | 43   | 297030   | 13.60  | ug/l # | 64     |
| 49) 1,4-Dioxane                | 9.38  | 88   | 31       | 0.22   | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 4282     | 0.37   | ug/l # | 87     |
| 65) Chlorobenzene              | 11.44 | 112  | 13929    | 0.37   | ug/l # | 87     |
| 68) m/p-Xylenes                | 11.62 | 106  | 4739     | 0.20   | ug/l   | 87     |
| 71) Bromoform                  | 12.40 | 173  | 2917     | 0.32   | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 63       | Below  | Cal #  | 26     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 296303   | 42.36  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 296303   | 133.89 | ug/l # | 9      |
| 90) Hexachloroethane           | 13.90 | 117  | 179      | Below  | Cal #  | 9      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 259      | 4.78   | ug/l # | 82     |
| 95) Naphthalene                | 15.14 | 128  | 44575    | 5.96   | ug/l   | 95     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 260      | 3.49   | ug/l # | 40     |

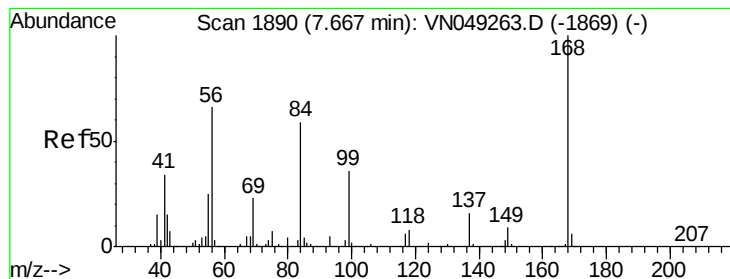
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

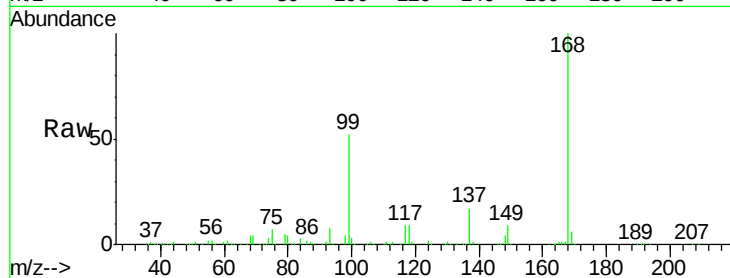
ClientSampleId :

Tot Ion:168 Resp: 1135298

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

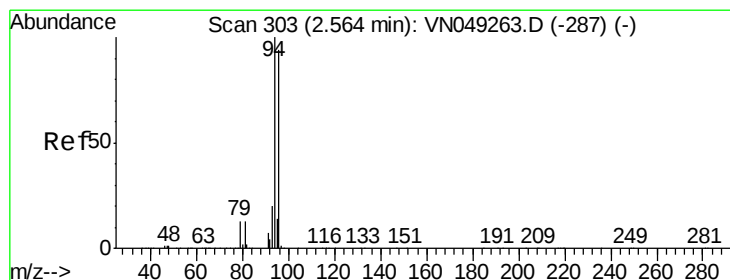
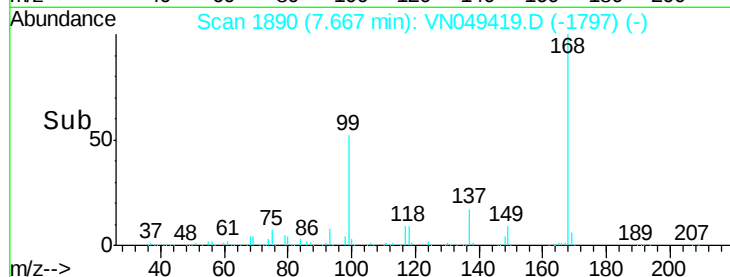
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.39 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049419.D

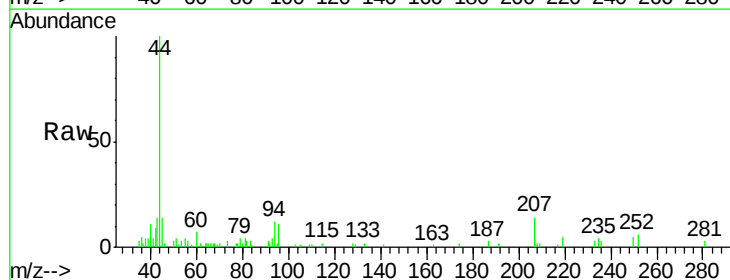
Acq: 20 Jun 2018 6:37

Tgt Ion: 94 Resp: 3716

Ion Ratio Lower Upper

94 100

96 64.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

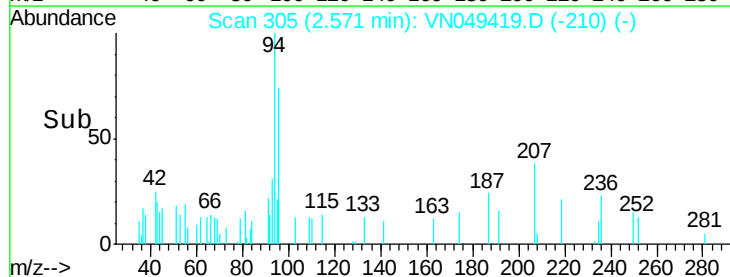
1500

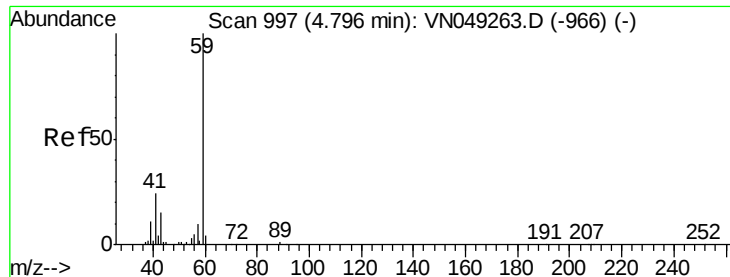
1000

500

0

Time-->

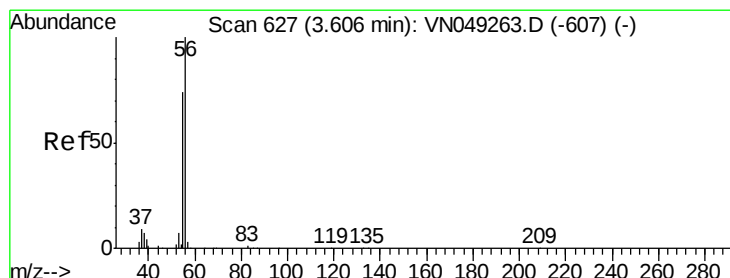
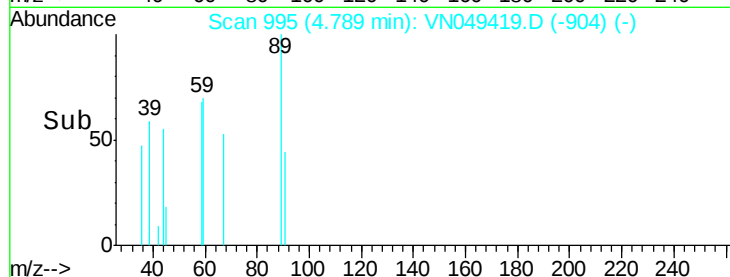
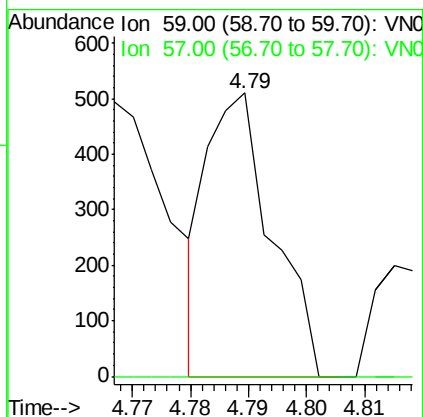
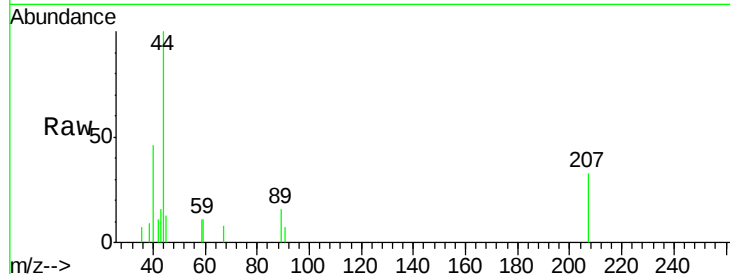




#11  
Tert butyl alcohol  
Concen: 0.45 ug/l  
RT: 4.79 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

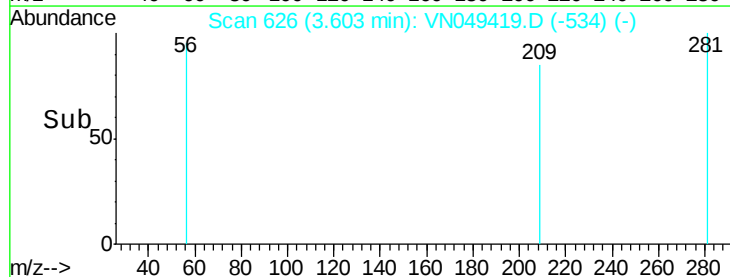
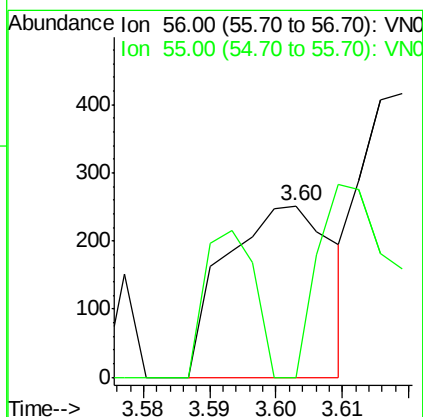
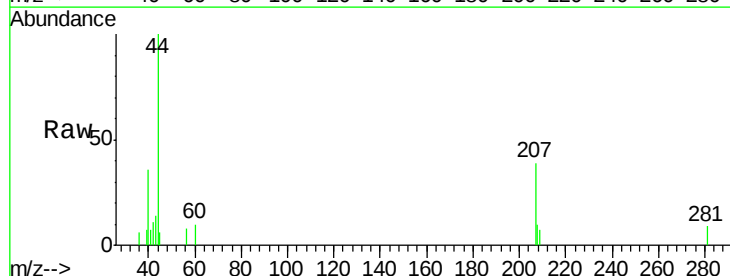
Instrument :  
MSVOA\_N  
ClientSampled :

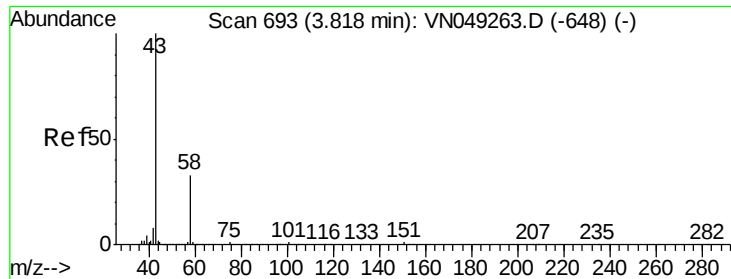
Tot Ion: 59 Resp: 397  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.0 13.6#



#13  
Acrolein  
Concen: 0.30 ug/l  
RT: 3.60 min Scan# 626  
Delta R.T. -0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Tgt Ion: 56 Resp: 282  
Ion Ratio Lower Upper  
56 100  
55 73.8 57.1 85.7





#16

Acetone

Concen: 9.76 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

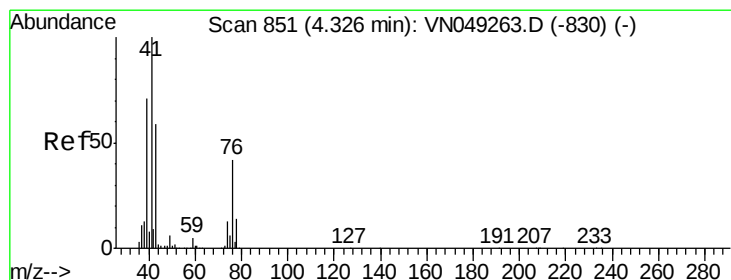
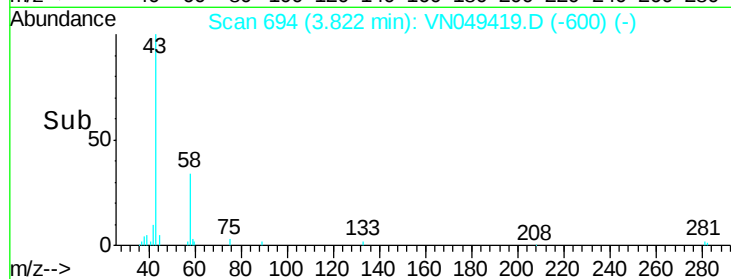
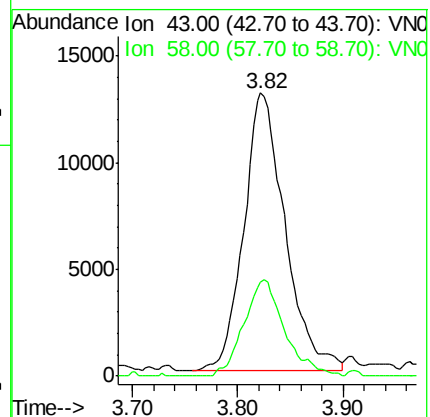
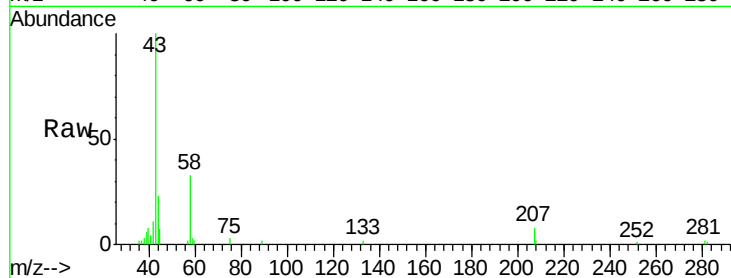
ClientSampled :

Tot Ion: 43 Resp: 35668

Ion Ratio Lower Upper

43 100

58 33.6 22.4 33.6



#18

Methyl Acetate

Concen: 9.30 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049419.D

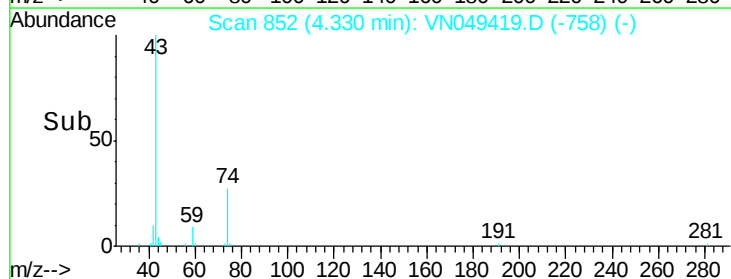
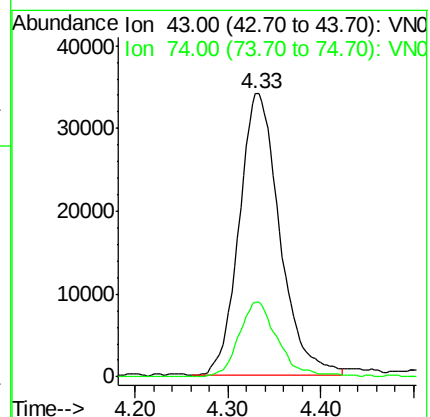
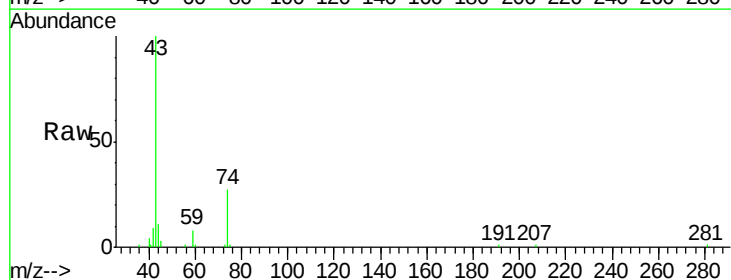
Acq: 20 Jun 2018 6:37

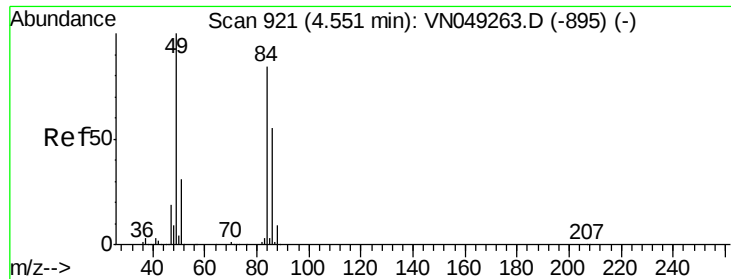
Tgt Ion: 43 Resp: 103702

Ion Ratio Lower Upper

43 100

74 24.9 17.4 26.0





#20

Methylene Chloride

Concen: 2.18 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 84 Resp: 33275

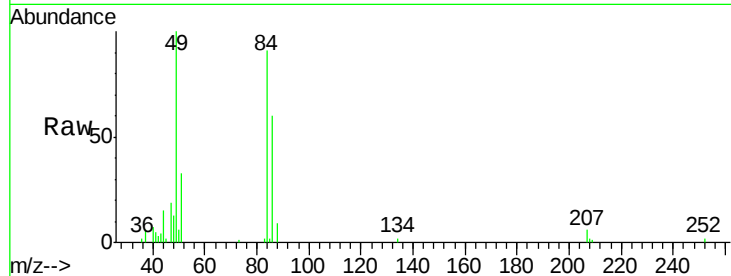
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 110.0 | 106.9 | 160.3 |
| 51  | 35.9  | 32.7  | 49.1  |
| 86  | 66.3  | 49.8  | 74.8  |

84 100

49 110.0 106.9 160.3

51 35.9 32.7 49.1

86 66.3 49.8 74.8

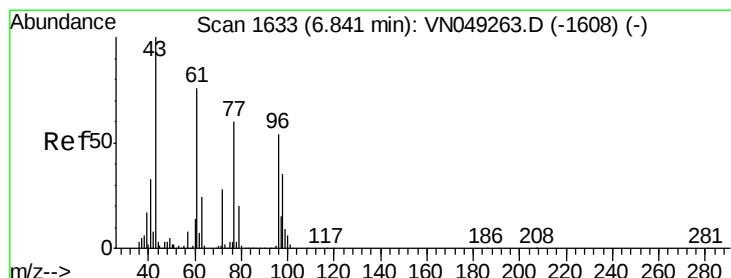
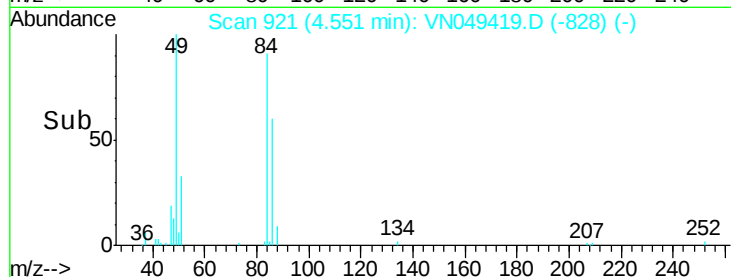
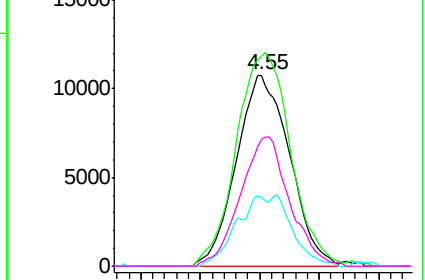


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 0.29 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049419.D

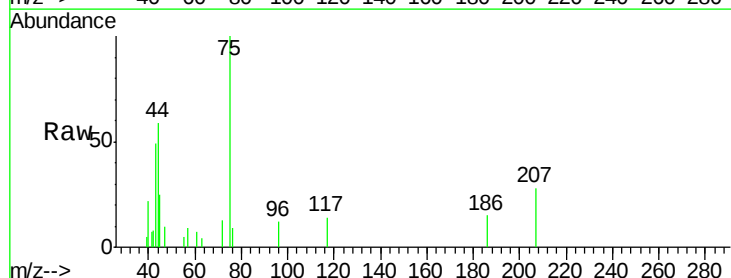
Acq: 20 Jun 2018 6:37

Tgt Ion: 43 Resp: 1440

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.3  | 20.2  | 30.2  |

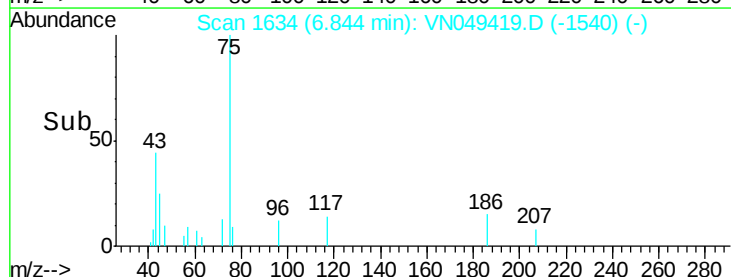
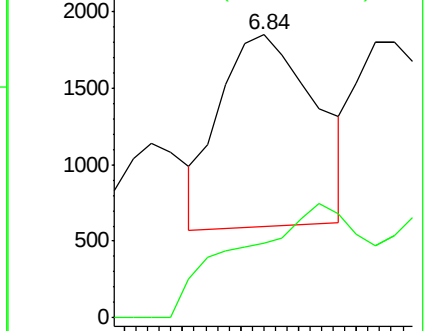
43 100

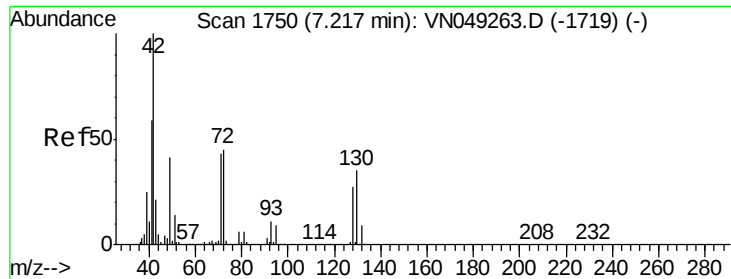
72 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

ClientSampleId :

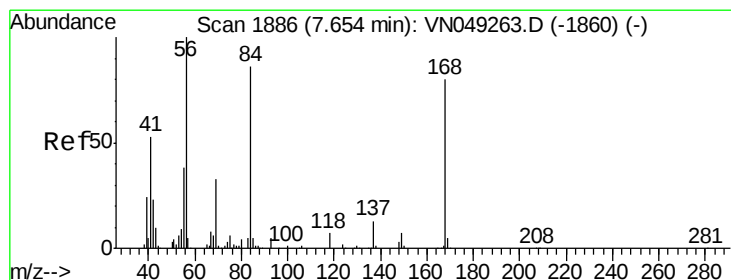
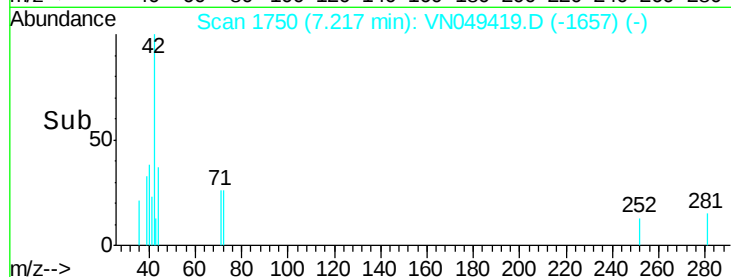
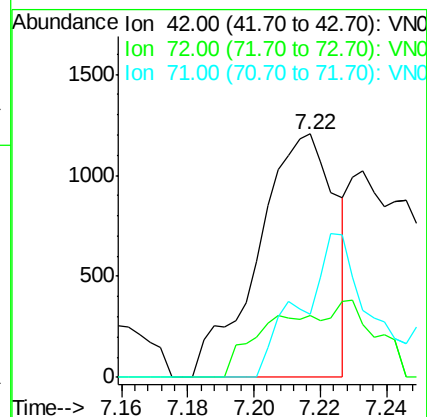
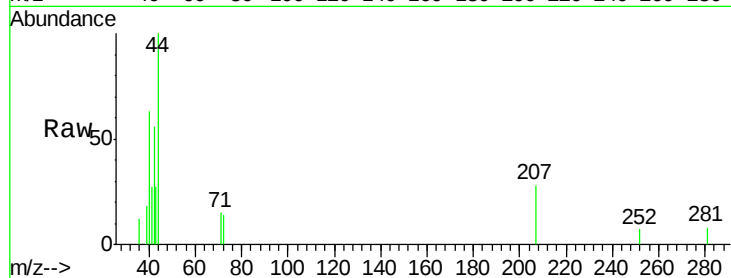
Tot Ion: 42 Resp: 1960

Ion Ratio Lower Upper

42 100

72 18.8 32.2 48.4#

71 50.7 30.5 45.7#



#31

Cyclohexane

Concen: 0.77 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

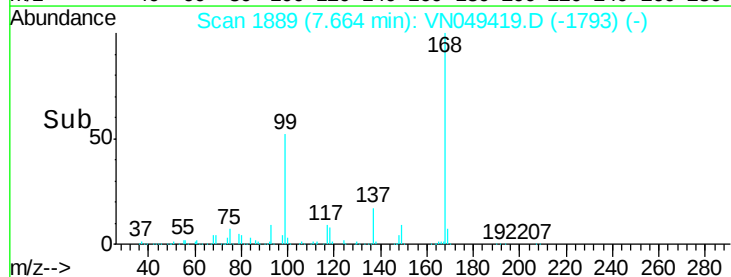
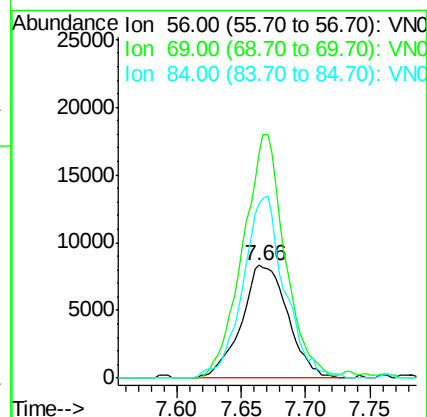
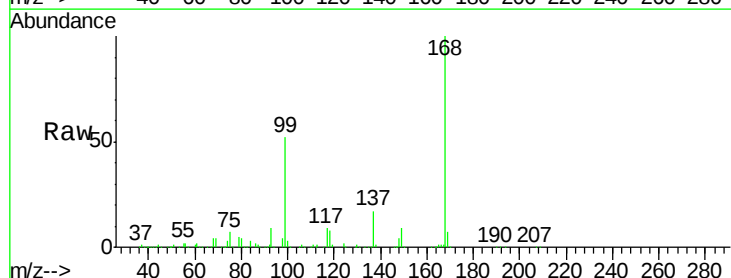
Tgt Ion: 56 Resp: 20924

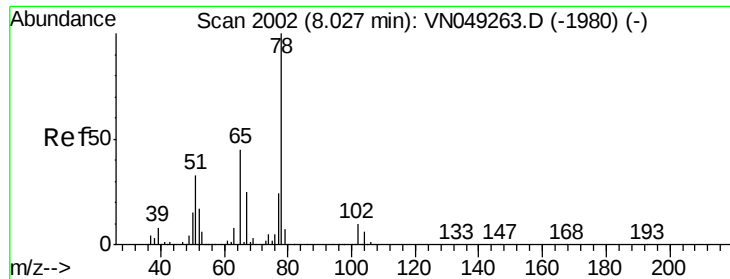
Ion Ratio Lower Upper

56 100

69 199.0 25.0 37.4#

84 154.9 64.6 96.8#





#33

1,2-Dichloroethane-d4

Concen: 50.64 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

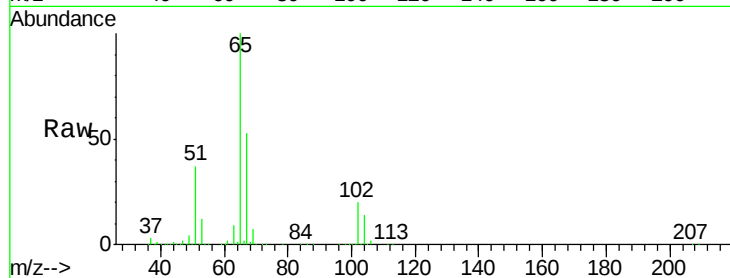
ClientSampleId :

Tot Ion: 65 Resp: 762472

Ion Ratio Lower Upper

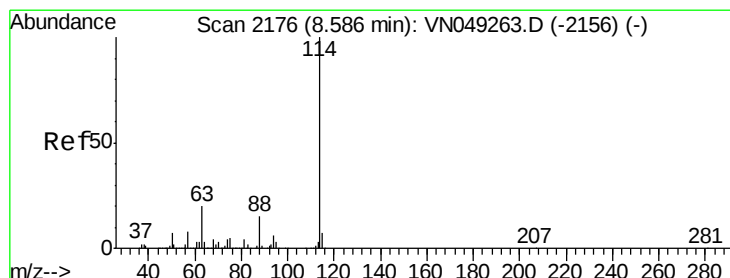
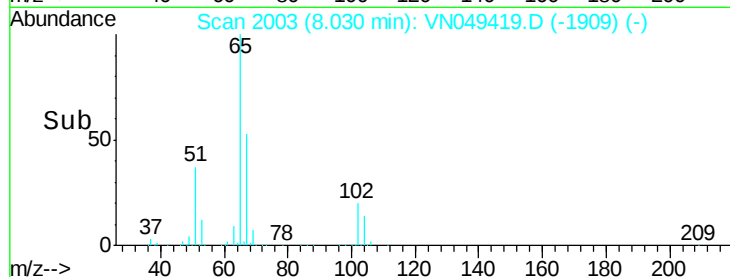
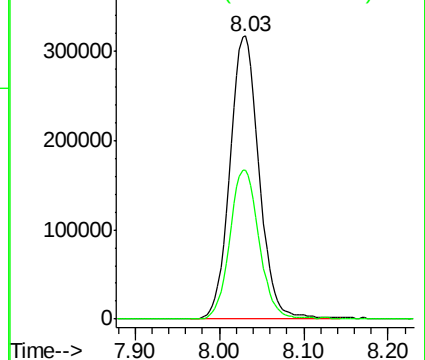
65 100

67 52.9 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: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

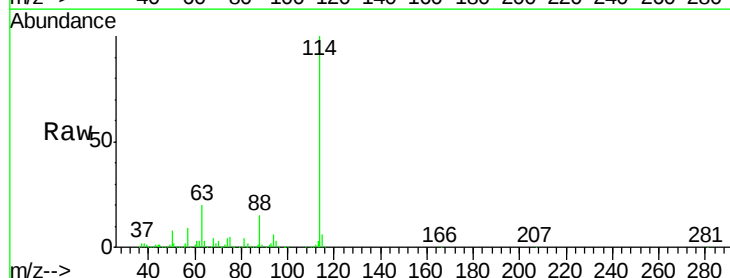
Tgt Ion:114 Resp: 1835075

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

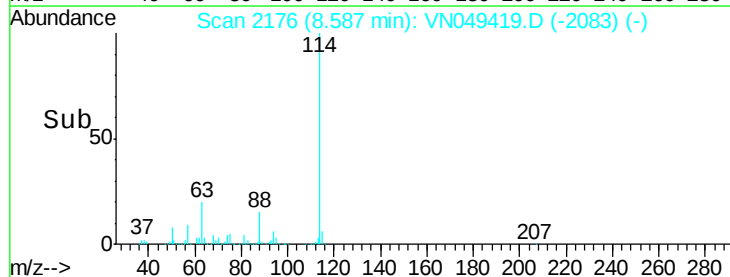
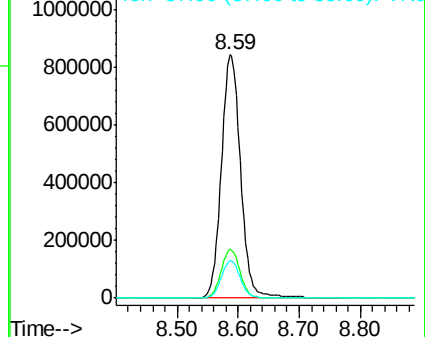
88 15.3 0.0 31.4

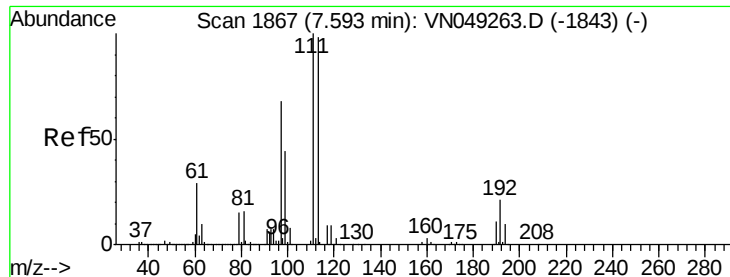


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

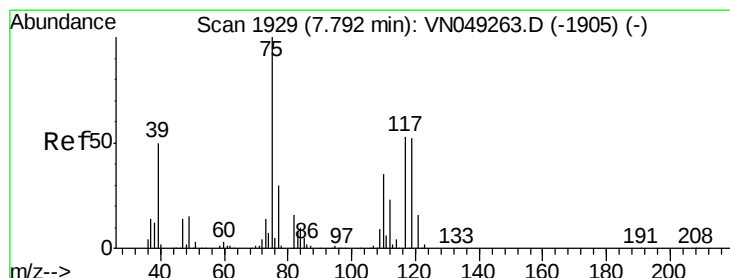
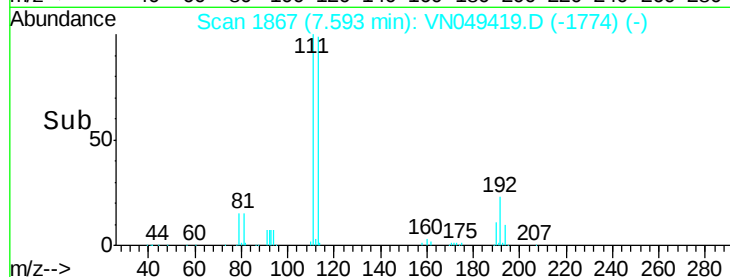
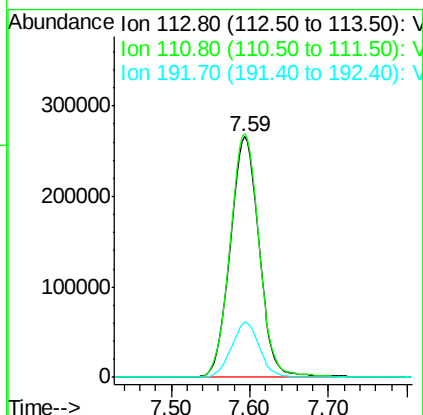
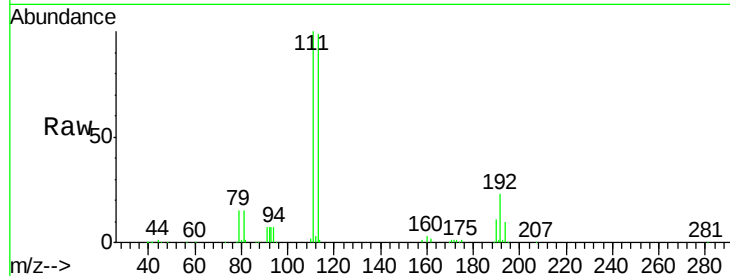




#35  
Dibromofluoromethane  
Concen: 45.71 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

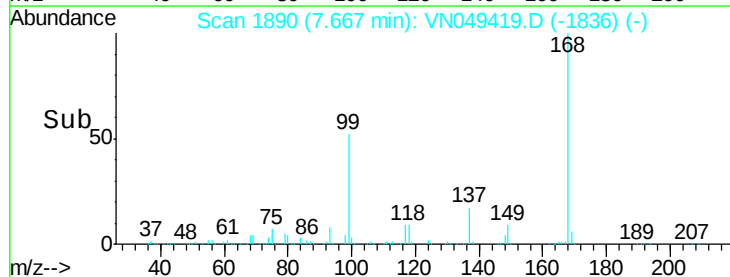
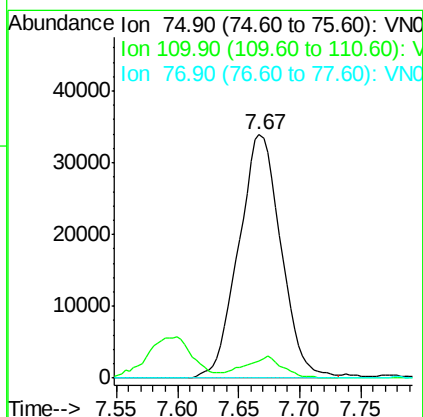
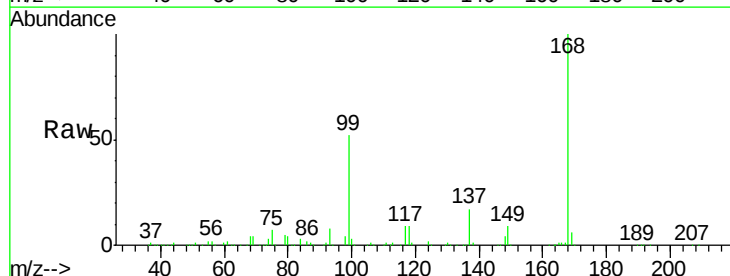
Instrument :  
MSVOA\_N  
ClientSampleId :

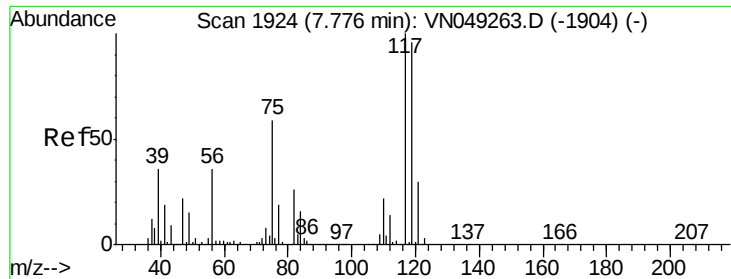
Tot Ion:113 Resp: 678702  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.4 123.6  
192 22.2 15.0 22.6



#36  
1,1-Dichloropropene  
Concen: 3.87 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.13 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Tgt Ion: 75 Resp: 81361  
Ion Ratio Lower Upper  
75 100  
110 7.9 17.0 50.9#  
77 0.0 24.4 36.6#

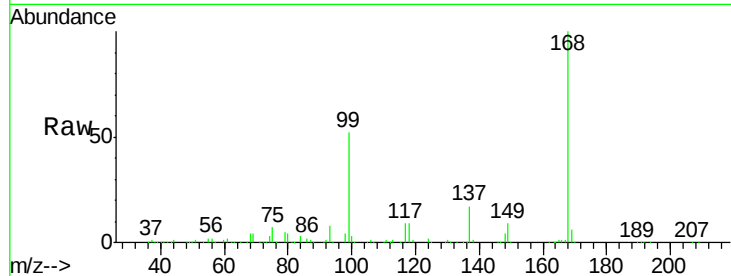




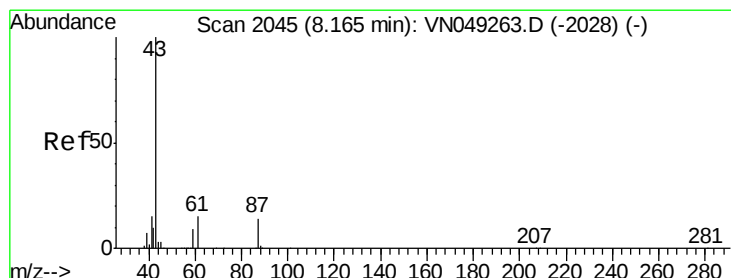
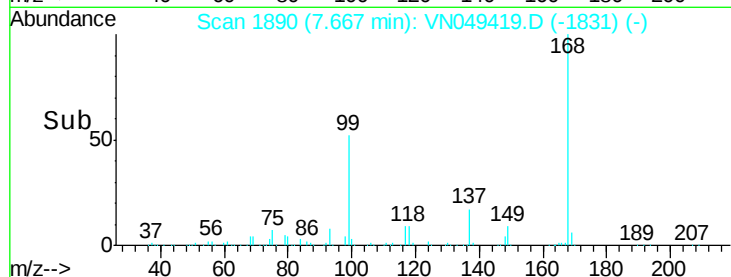
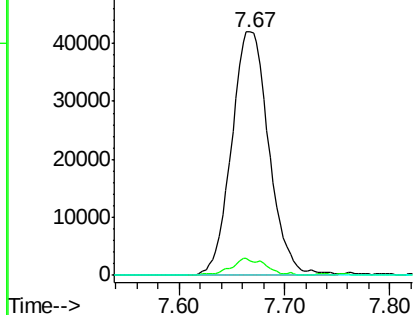
#38  
Carbon Tetrachloride  
Concen: 4.74 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 103254  
Ion Ratio Lower Upper  
117 100  
119 6.2 75.6 113.4#  
121 0.0 24.7 37.1#

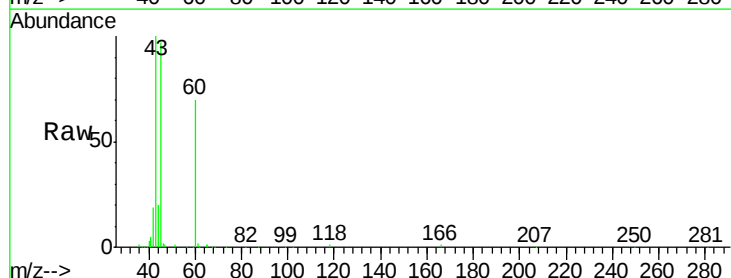


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

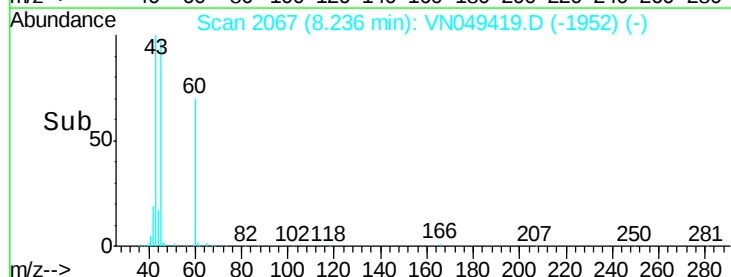
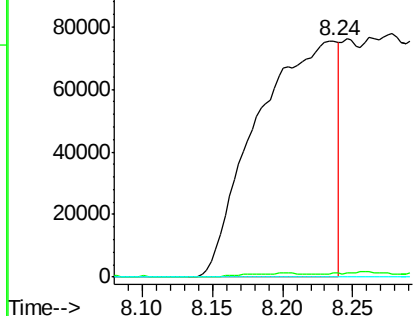


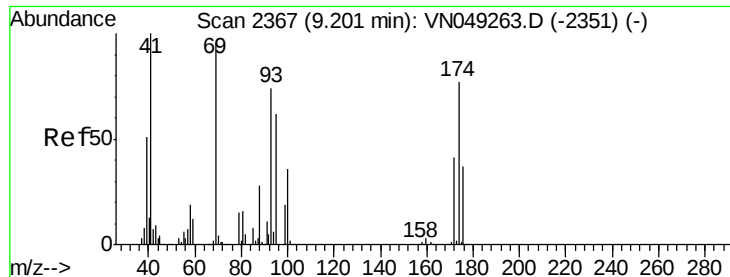
#43  
Isopropyl Acetate  
Concen: 13.60 ug/l  
RT: 8.24 min Scan# 2067  
Delta R.T. 0.07 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Tgt Ion: 43 Resp: 297030  
Ion Ratio Lower Upper  
43 100  
61 0.0 14.2 21.4#  
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 61.00 (60.70 to 61.70): VNO  
Ion 87.00 (86.70 to 87.70): VNO

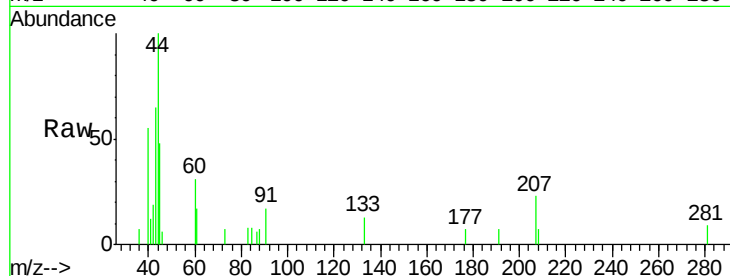




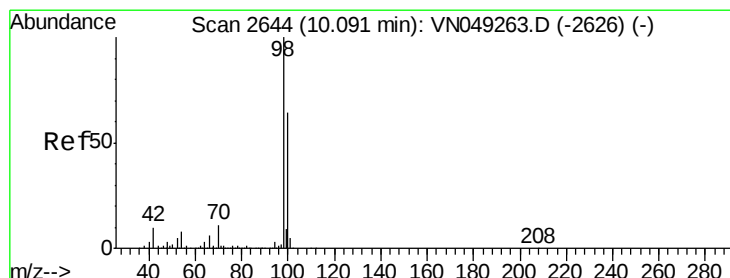
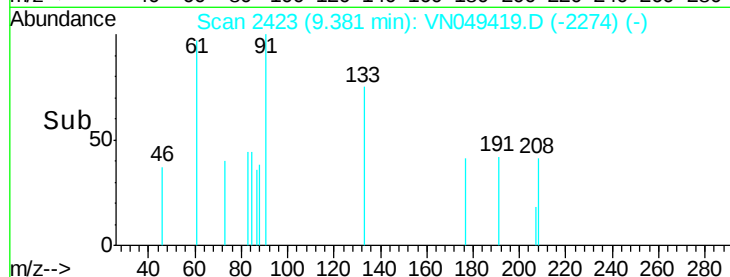
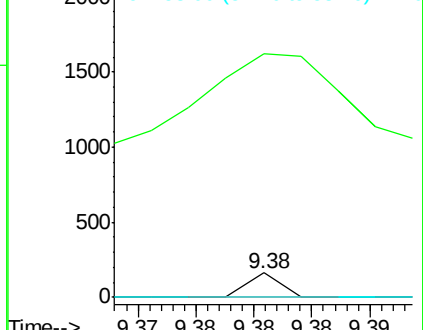
#49  
1,4-Dioxane  
Concen: 0.22 ug/l  
RT: 9.38 min Scan# 2423  
Delta R.T. 0.18 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 88 Resp: 31  
Ion Ratio Lower Upper  
88 100  
43 1619.4 30.9 46.3#  
58 0.0 58.9 88.3#

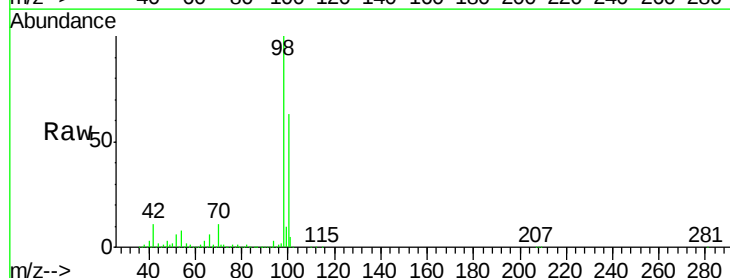


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

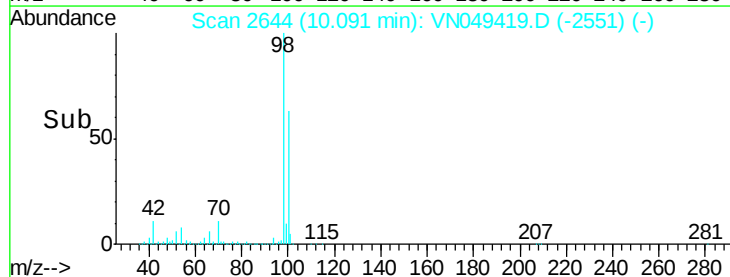
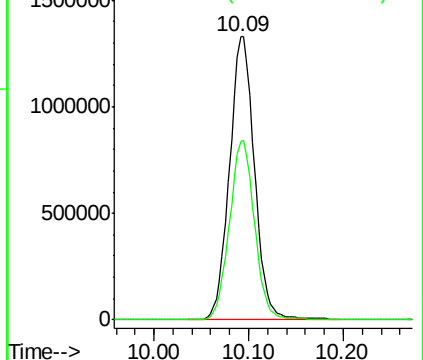


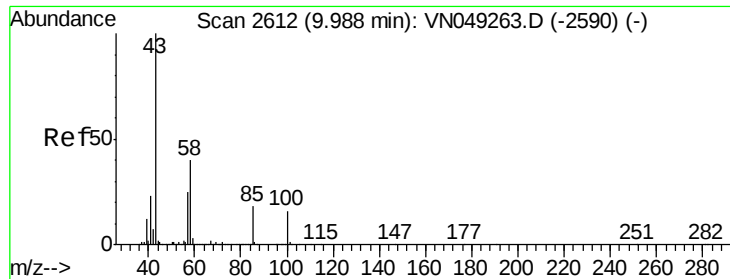
#50  
Toluene-d8  
Concen: 43.27 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Tgt Ion: 98 Resp: 2446334  
Ion Ratio Lower Upper  
98 100  
100 63.9 49.8 74.8



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: 0.37 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

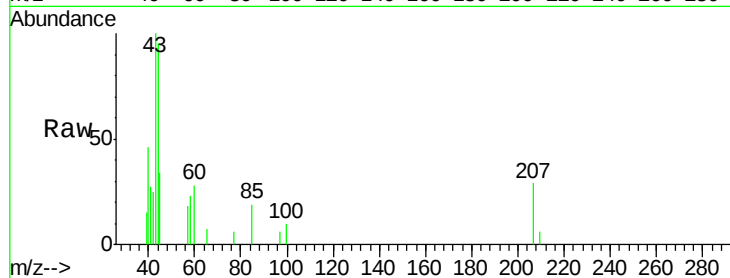
ClientSampleId :

Tot Ion: 43 Resp: 4282

Ion Ratio Lower Upper

43 100

58 28.6 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3000

2500

2000

1500

1000

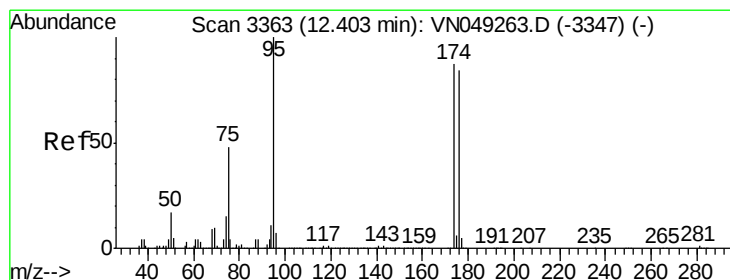
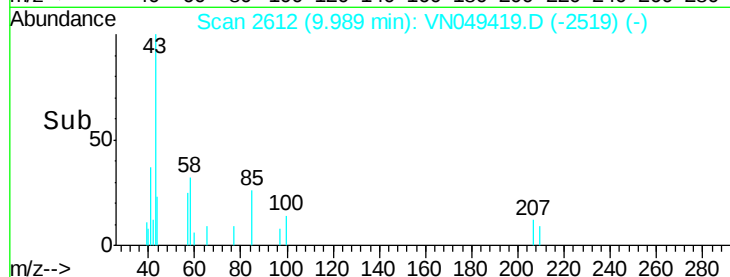
500

0

9.95

10.00

Time-->



#62

4-Bromofluorobenzene

Concen: 32.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

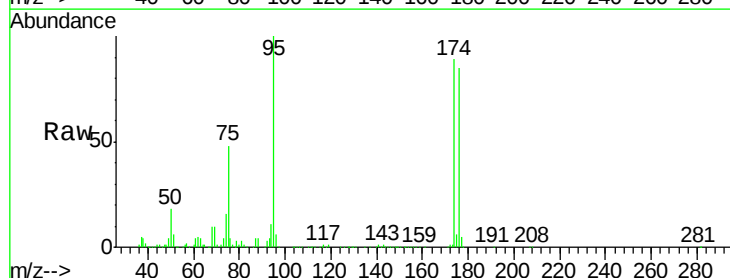
Tgt Ion: 95 Resp: 605047

Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.6

176 85.3 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

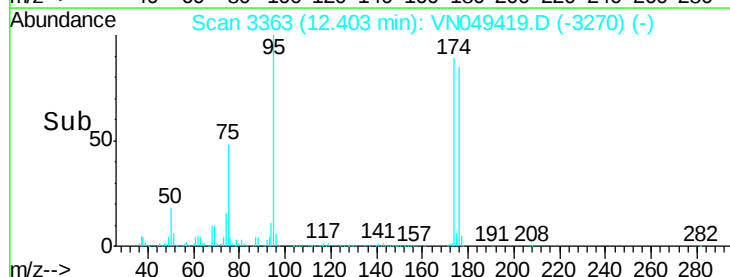
0

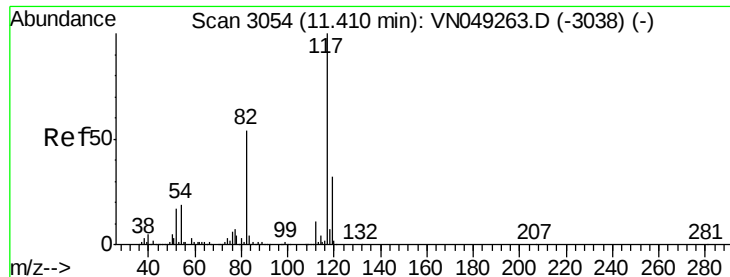
12.30

12.40

12.50

Time-->

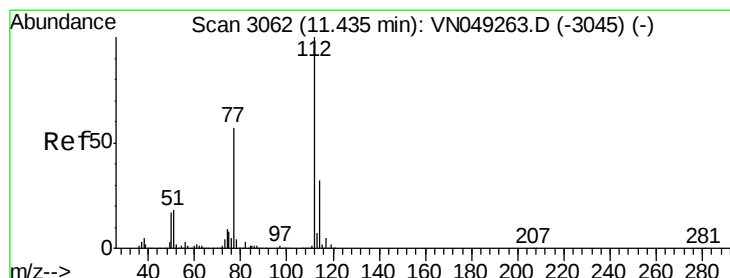
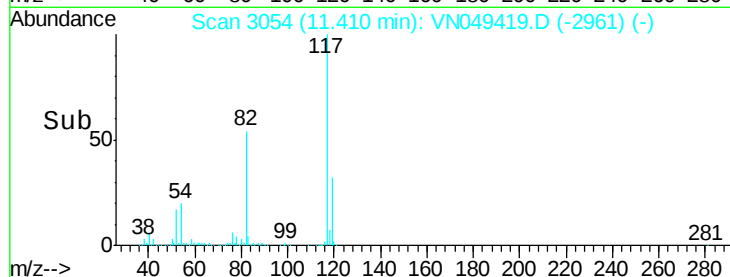
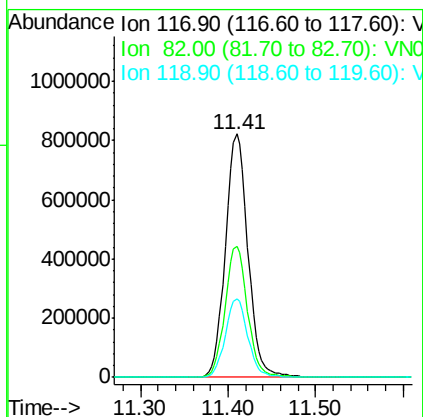
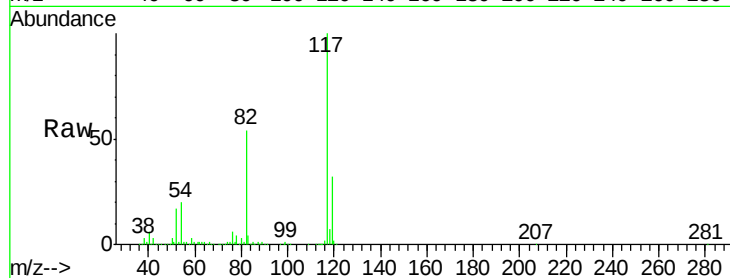




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

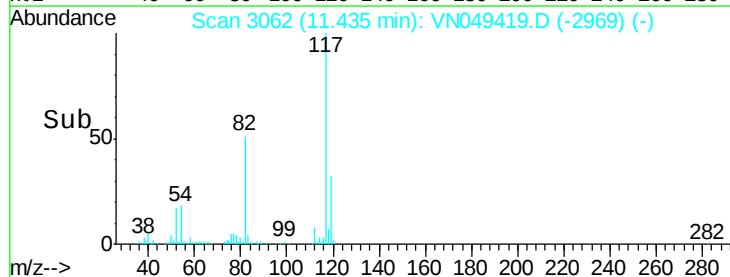
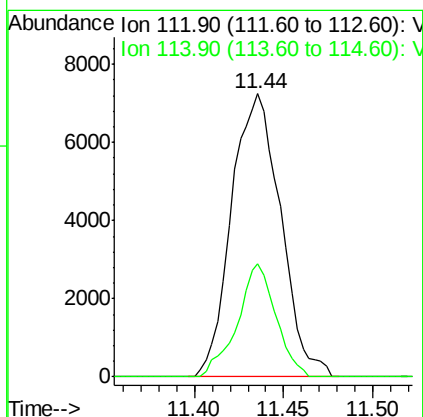
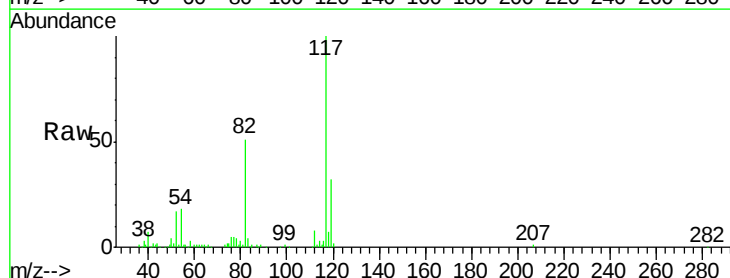
Instrument :  
MSVOA\_N  
ClientSampleId :

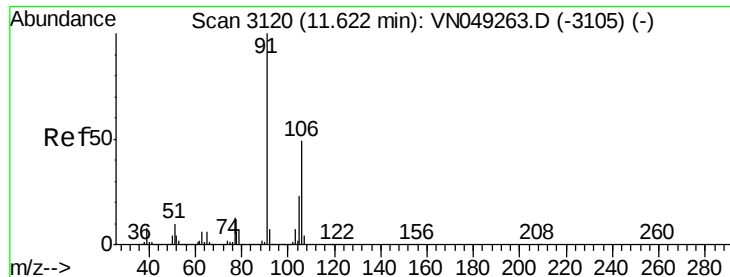
Tot Ion:117 Resp: 1470702  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.9 68.9  
119 32.1 25.5 38.3



#65  
Chlorobenzene  
Concen: 0.37 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Tgt Ion:112 Resp: 13929  
Ion Ratio Lower Upper  
112 100  
114 39.9 26.2 39.4#





#68

m/p-Xvlenes

Concen: 0.20 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. -0.01 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

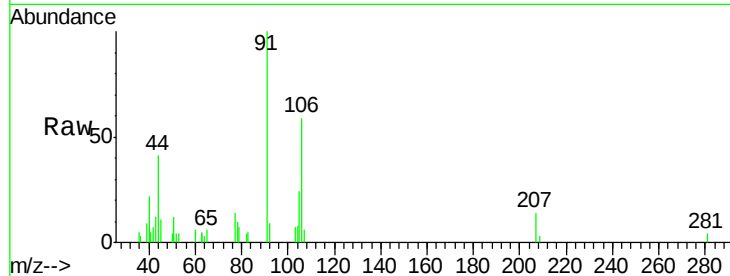
ClientSampleId :

Tot Ion:106 Resp: 4739

Ion Ratio Lower Upper

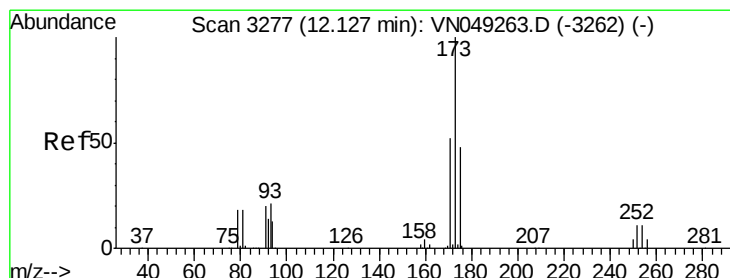
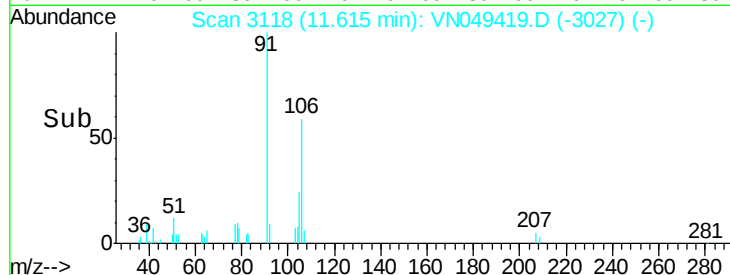
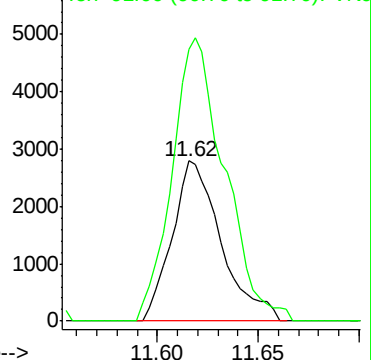
106 100

91 189.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

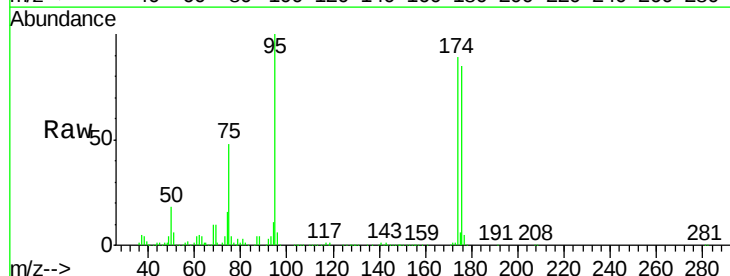
Tgt Ion:173 Resp: 2917

Ion Ratio Lower Upper

173 100

175 1058.7 24.5 73.5#

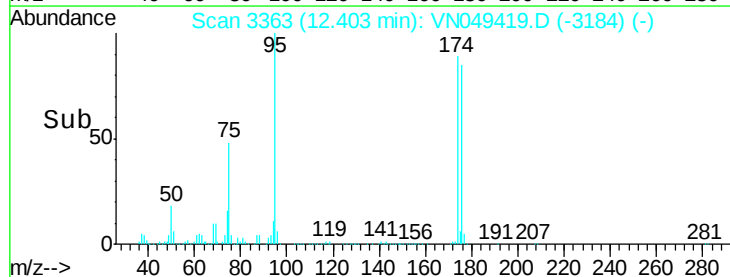
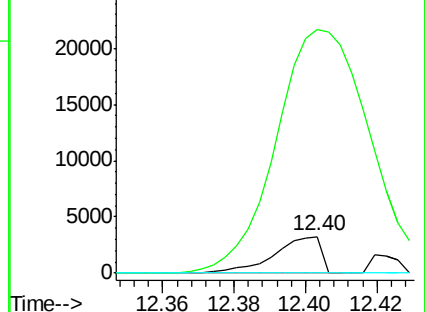
254 0.0 0.1 0.1#

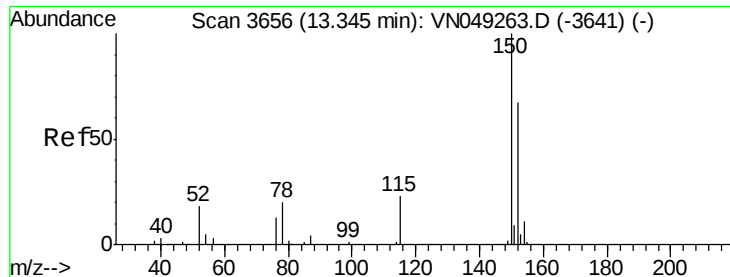


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



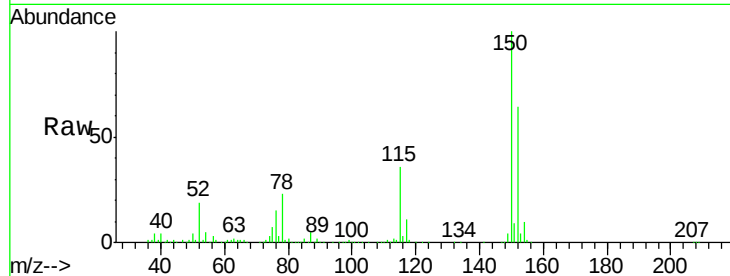


#72

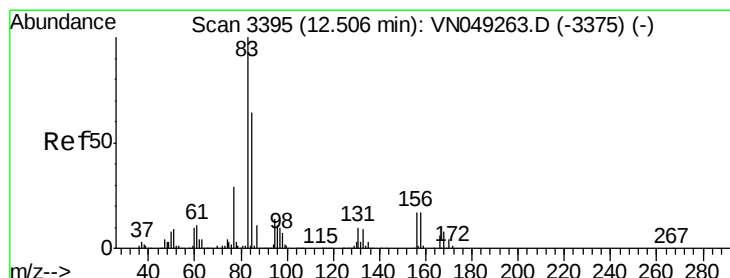
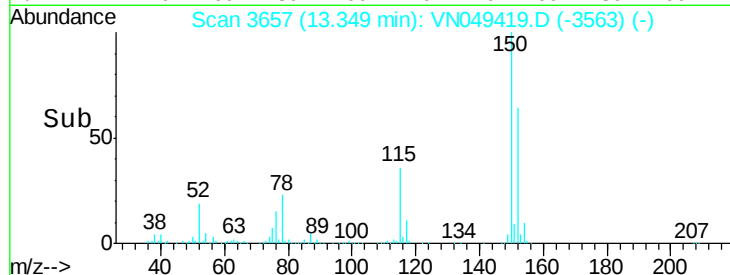
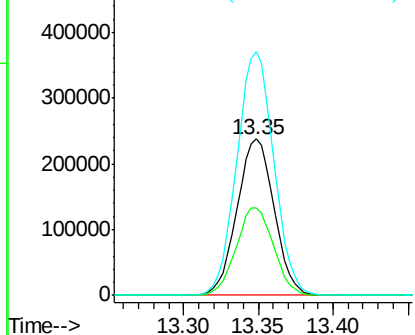
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:152 Resp: 409932  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.7 86.1  
150 155.7 0.0 351.0



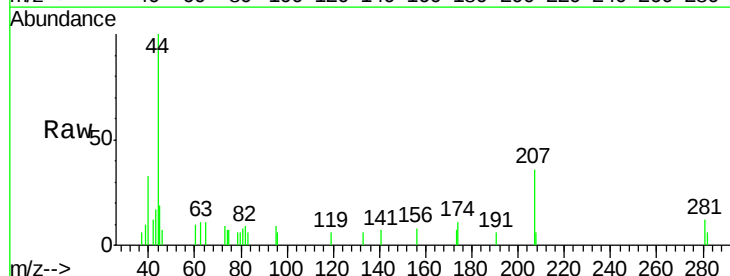
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



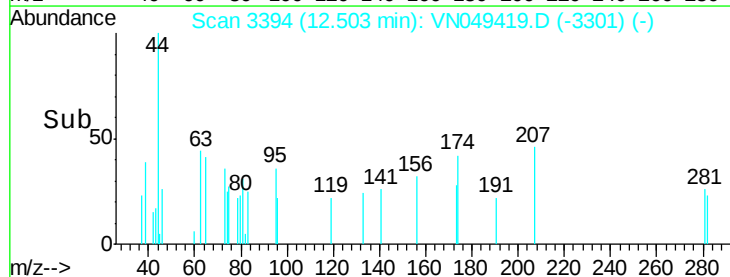
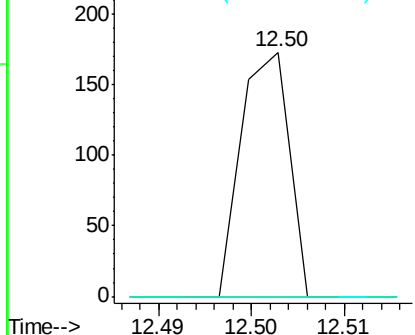
#75

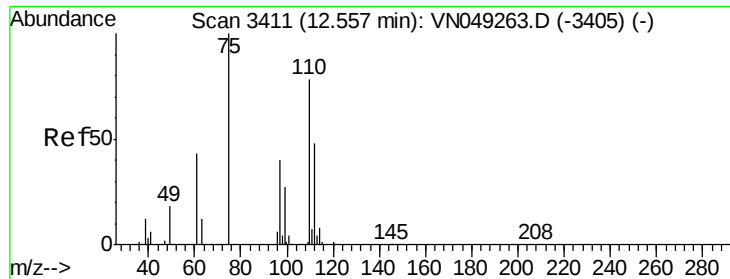
1,1,2,2-Tetrachloroethane  
Concen: Below Cal  
RT: 12.50 min Scan# 3394  
Delta R.T. -0.00 min  
Lab File: VN049419.D  
Acq: 20 Jun 2018 6:37

Tgt Ion: 83 Resp: 63  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.0 15.0#  
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): V  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): V

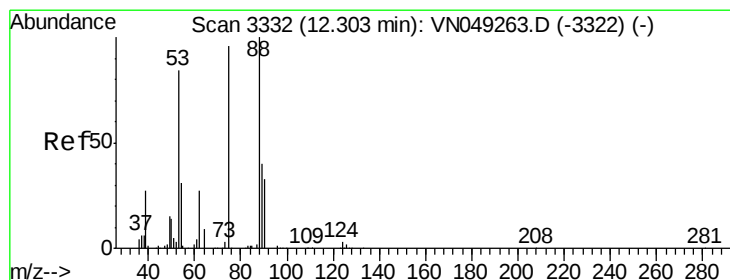
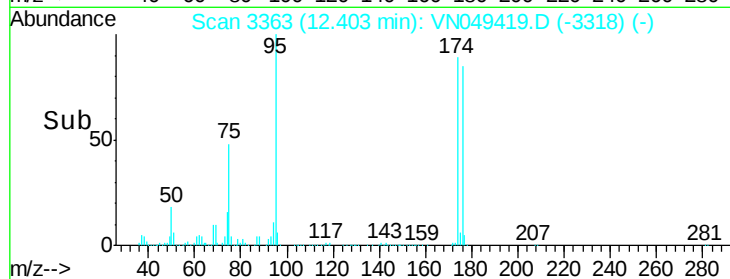
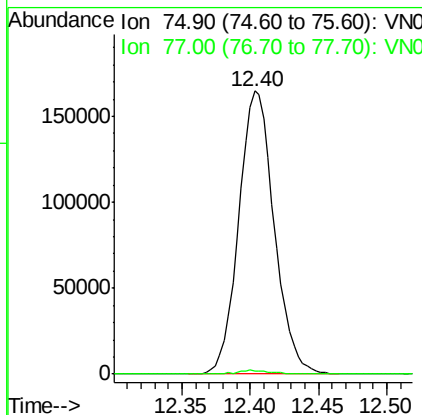
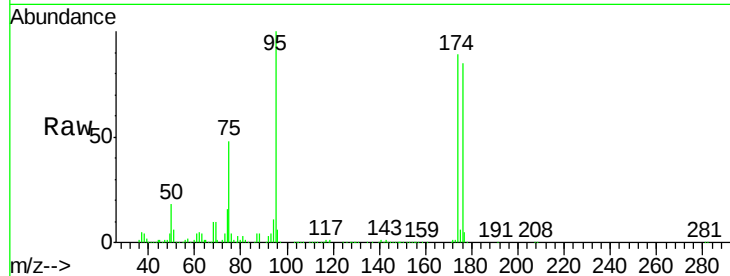




#76  
 1,2,3-Trichloropropane  
 Concen: 42.36 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.15 min  
 Lab File: VN049419.D  
 Acq: 20 Jun 2018 6:37

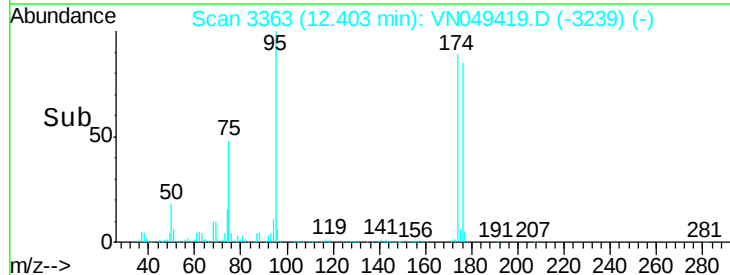
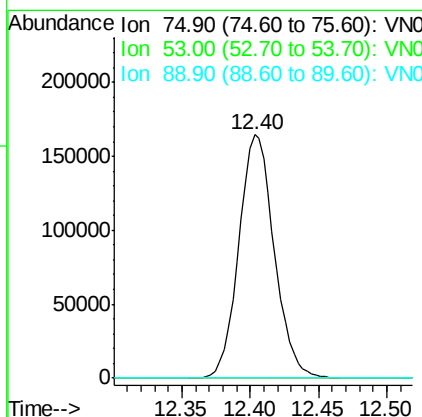
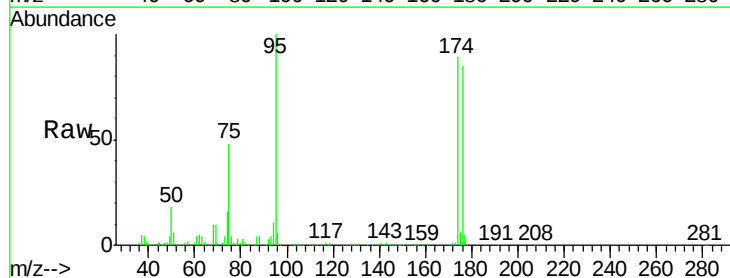
Instrument :  
 MSVOA\_N  
 ClientSampleId :

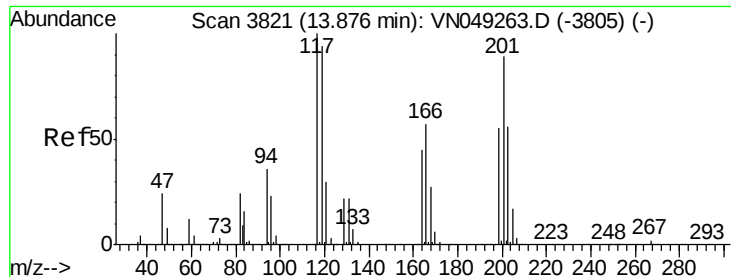
Tot Ion: 75 Resp: 296303  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 133.89 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.10 min  
 Lab File: VN049419.D  
 Acq: 20 Jun 2018 6:37

Tgt Ion: 75 Resp: 296303  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 82.7 124.1#  
 89 0.1 36.5 54.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3828

Delta R.T. 0.02 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

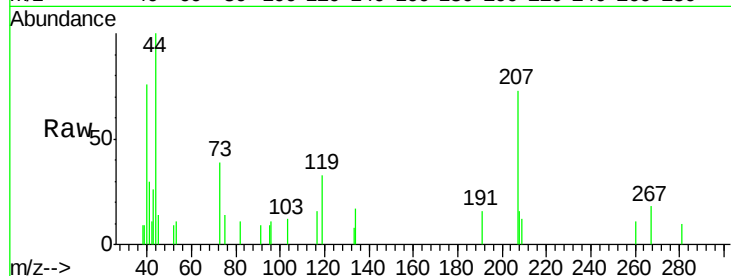
ClientSampleId :

Tot Ion:117 Resp: 179

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.90

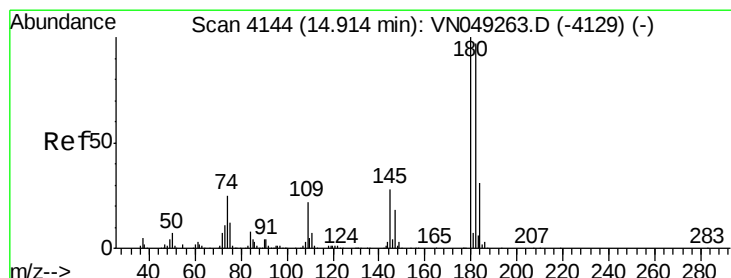
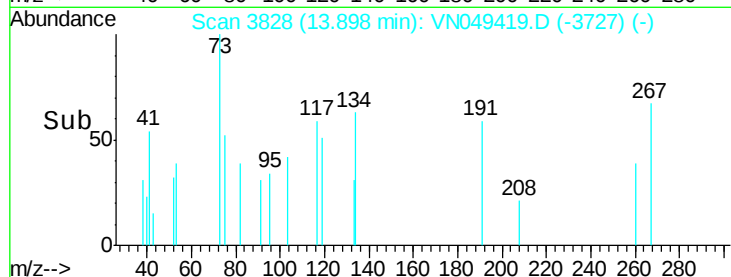
300

200

100

0

Time--> 13.88 13.90



#93

1,2,4-Trichlorobenzene

Concen: 4.78 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

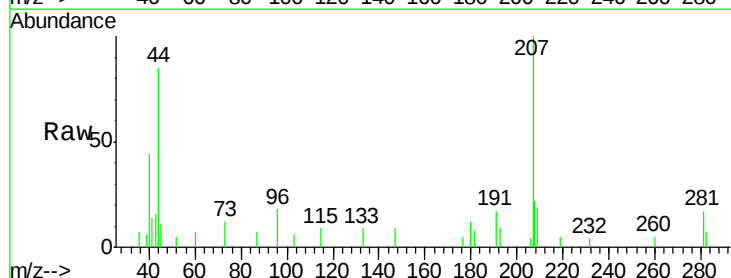
Tgt Ion:180 Resp: 259

Ion Ratio Lower Upper

180 100

182 100.8 46.9 140.8

145 0.0 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

500

400

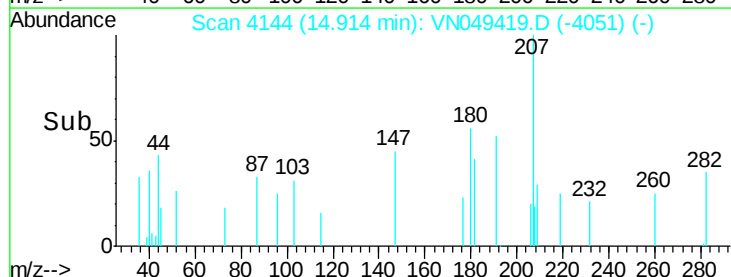
300

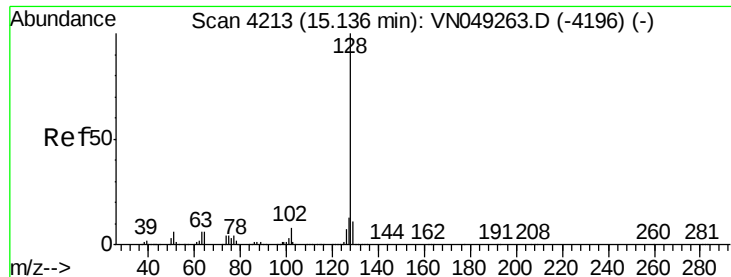
200

100

0

Time--> 14.90 14.91 14.92 14.93





#95

Naphthalene

Concen: 5.96 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

Instrument :

MSVOA\_N

ClientSampleId :

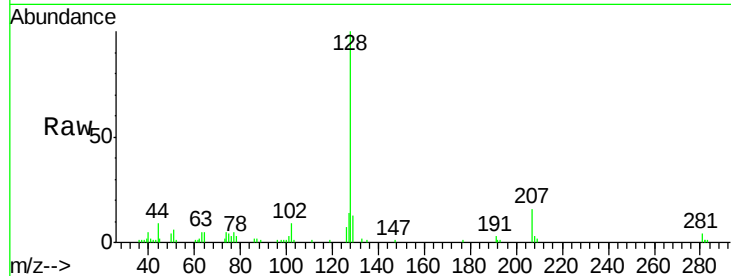
Tot Ion:128 Resp: 44575

Ion Ratio Lower Upper

128 100

127 15.2 10.6 16.0

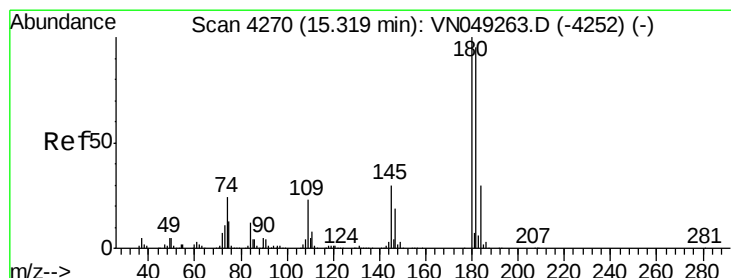
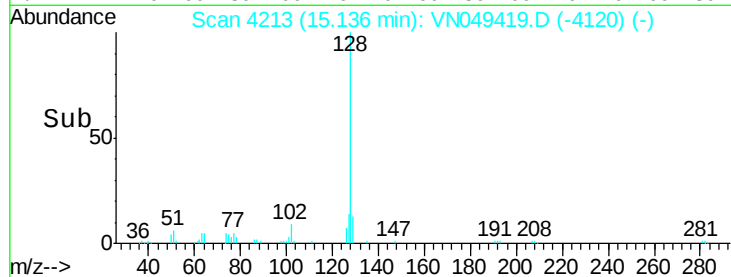
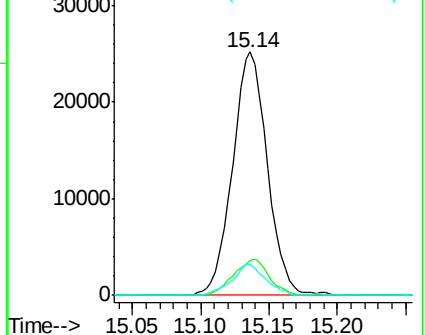
129 12.5 8.5 12.7



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



#96

1,2,3-Trichlorobenzene

Concen: 3.49 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049419.D

Acq: 20 Jun 2018 6:37

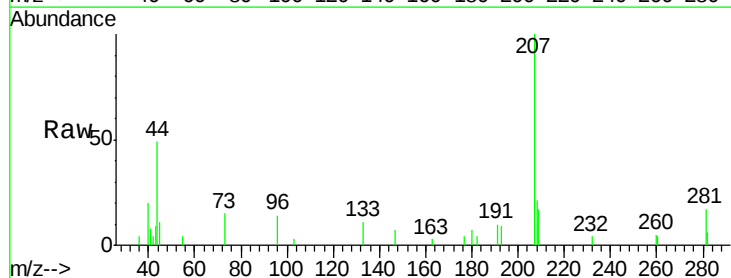
Tgt Ion:180 Resp: 260

Ion Ratio Lower Upper

180 100

182 28.5 47.3 141.8#

145 11.9 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

