

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
 Data File : VN050563.D  
 Acq On : 13 Aug 2018 13:05  
 Operator : MD\SY  
 Sample : J4388-01  
 Misc : 4.15g/5ml/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1A

Quant Time: Aug 14 00:58:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 596598   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 922073   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 840887   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 373091   | 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   | 390131   | 48.94 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.88% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 358394   | 48.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.88% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1321809  | 47.52 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.04% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 401005   | 42.30 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 84.60% |          |

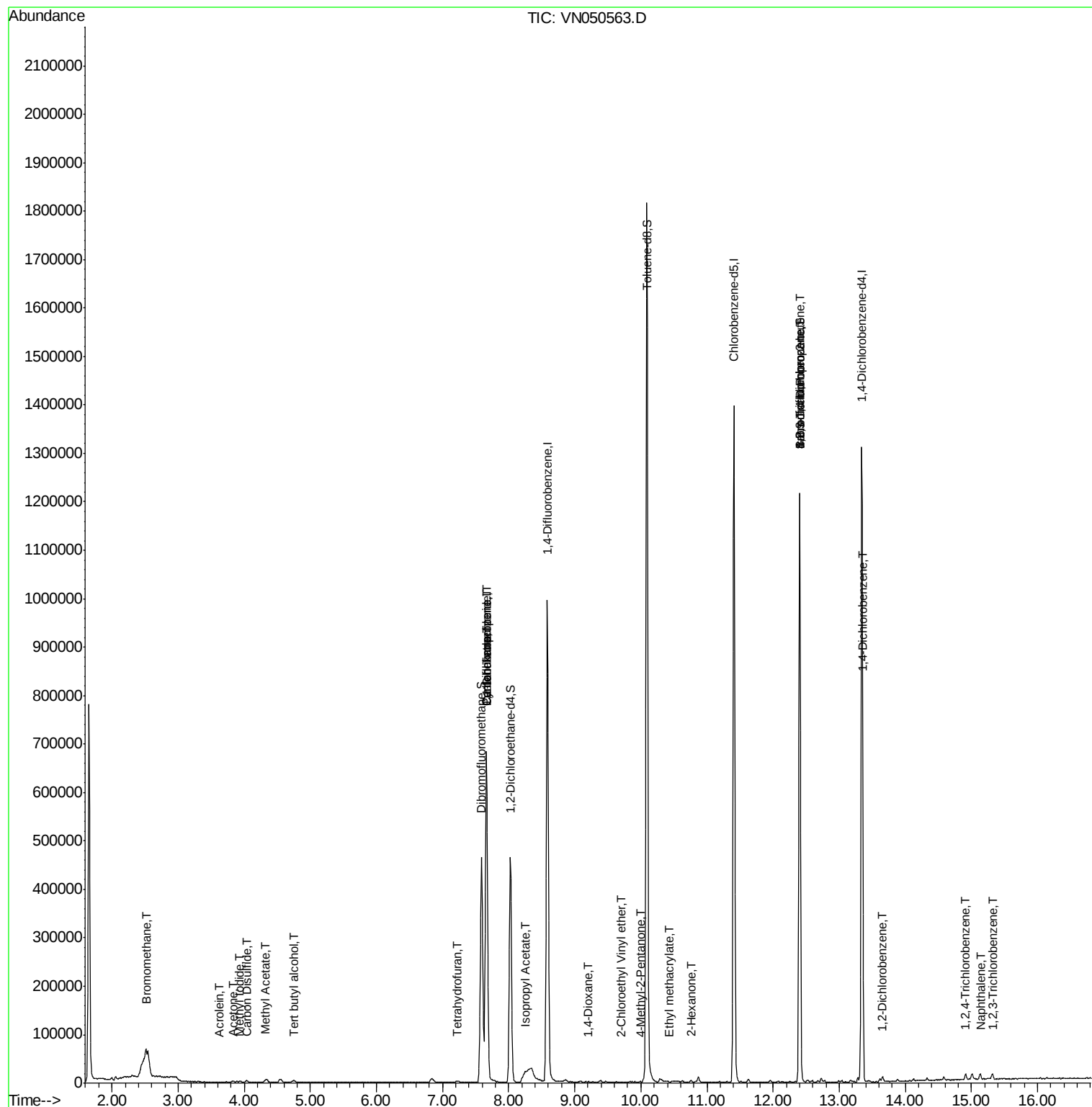
| Target Compounds               | R.T.  | QIon | Response | Conc          | Units | Qvalue |
|--------------------------------|-------|------|----------|---------------|-------|--------|
| 3) Chloromethane               | 2.05  | 50   | 5699     | Below Cal     |       | 98     |
| 5) Bromomethane                | 2.51  | 94   | 6855     | 1.81 ug/l     |       | 96     |
| 10) Methyl Iodide              | 3.94  | 142  | 5110     | 1.70 ug/l #   |       | 90     |
| 11) Tert butyl alcohol         | 4.75  | 59   | 4085     | 6.38 ug/l #   |       | 72     |
| 13) Acrolein                   | 3.62  | 56   | 30       | 15.06 ug/l #  |       | 1      |
| 16) Acetone                    | 3.83  | 43   | 3321     | 1.04 ug/l     |       | 94     |
| 17) Carbon Disulfide           | 4.04  | 76   | 6287     | 0.30 ug/l #   |       | 89     |
| 18) Methyl Acetate             | 4.33  | 43   | 13800    | 2.05 ug/l     |       | 97     |
| 20) Methylene Chloride         | 4.55  | 84   | 5203     | Below Cal     |       | 95     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 2352     | 1.11 ug/l #   |       | 70     |
| 31) Cyclohexane                | 7.67  | 56   | 10762    | 0.32 ug/l #   |       | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 41513    | 4.10 ug/l #   |       | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 54105    | 5.12 ug/l #   |       | 16     |
| 43) Isopropyl Acetate          | 8.25  | 43   | 20228    | 1.61 ug/l #   |       | 61     |
| 49) 1,4-Dioxane                | 9.20  | 88   | 30       | 0.31 ug/l #   |       | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2516     | 0.28 ug/l #   |       | 64     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 70       | 1.72 ug/l #   |       | 26     |
| 58) 2-Chloroethyl Vinyl ether  | 9.71  | 63   | 219      | 7.44 ug/l #   |       | 48     |
| 59) 2-Hexanone                 | 10.76 | 43   | 1893     | 0.30 ug/l     |       | 83     |
| 71) Bromoform                  | 12.40 | 173  | 1885     | 0.34 ug/l #   |       | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 193535   | 28.66 ug/l #  |       | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 193535   | 100.69 ug/l # |       | 13     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 5334     | 0.40 ug/l #   |       | 31     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 4558     | 0.34 ug/l     |       | 98     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 4179     | 0.61 ug/l     |       | 92     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 2438     | Below Cal     |       | 96     |
| 95) Naphthalene                | 15.13 | 128  | 9046     | 4.08 ug/l #   |       | 96     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 4072     | 0.59 ug/l     |       | 97     |

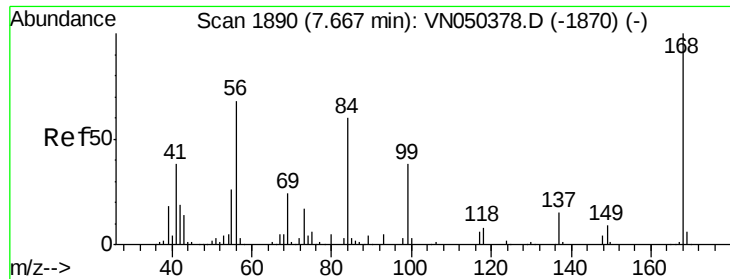
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
Data File : VN050563.D  
Acq On : 13 Aug 2018 13:05  
Operator : MD\SY  
Sample : J4388-01  
Misc : 4.15u/5ml/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1A

Quant Time: Aug 14 00:58:00 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampled :

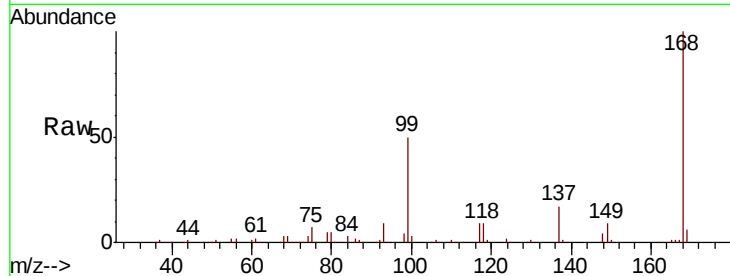
S-1A

Tot Ion:168 Resp: 596598

Ion Ratio Lower Upper

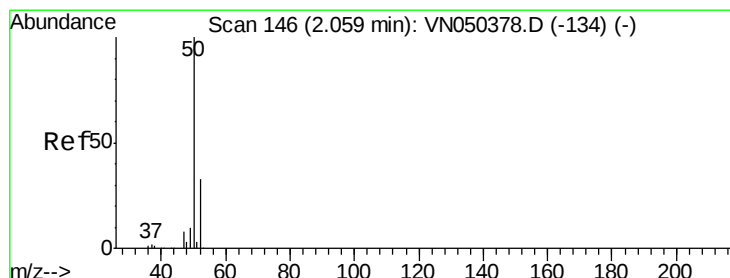
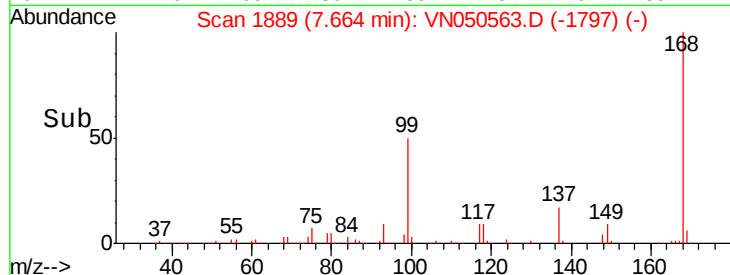
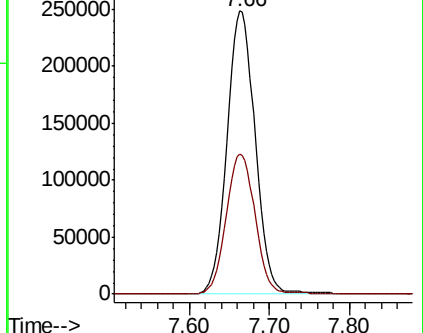
168 100

99 49.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.05 min Scan# 144

Delta R.T. -0.01 min

Lab File: VN050563.D

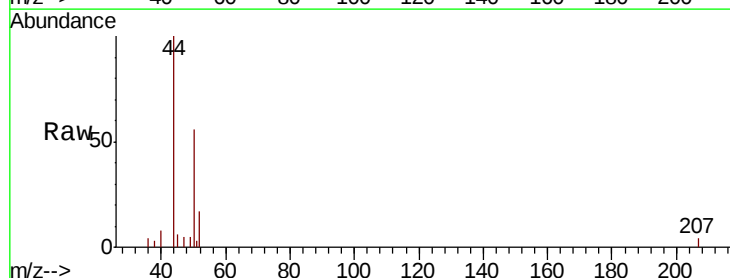
Acq: 13 Aug 2018 13:05

Tgt Ion: 50 Resp: 5699

Ion Ratio Lower Upper

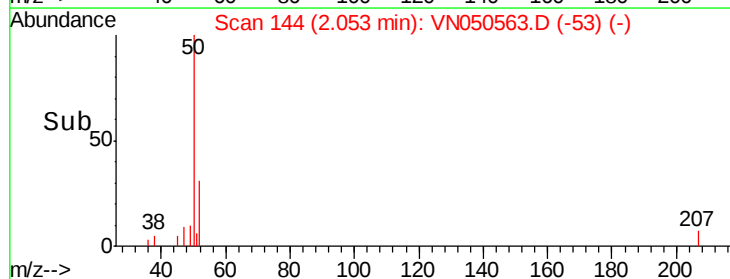
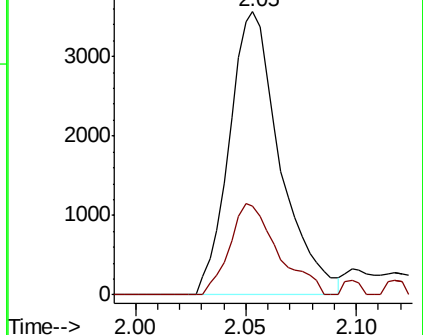
50 100

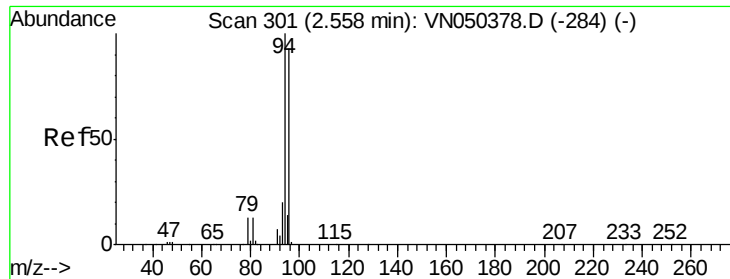
52 31.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)





#5

Bromomethane

Concen: 1.81 ug/l

RT: 2.51 min Scan# 287

Delta R.T. -0.04 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampled :

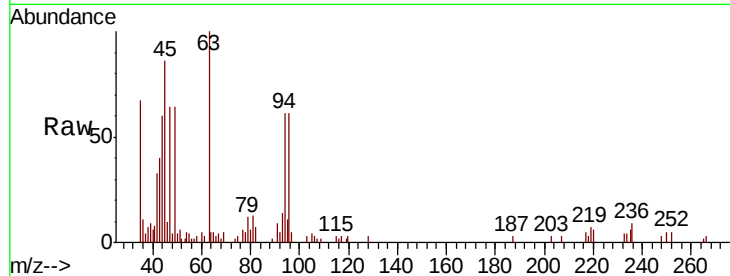
S-1A

Tot Ion: 94 Resp: 6855

Ion Ratio Lower Upper

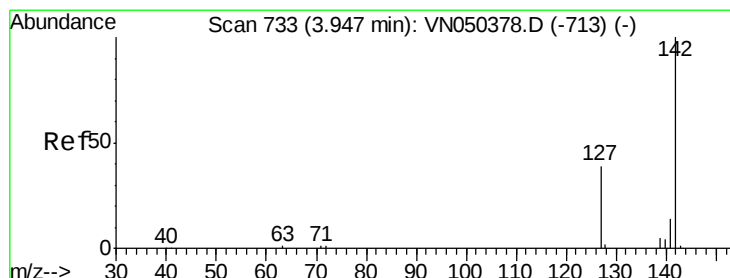
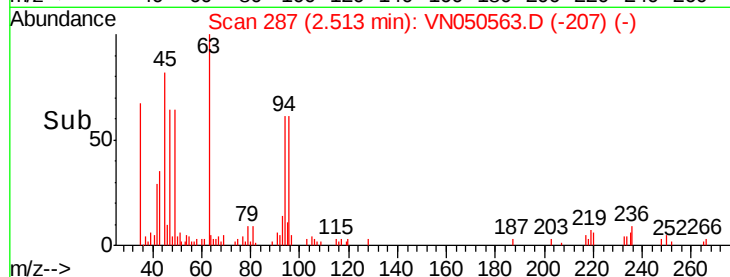
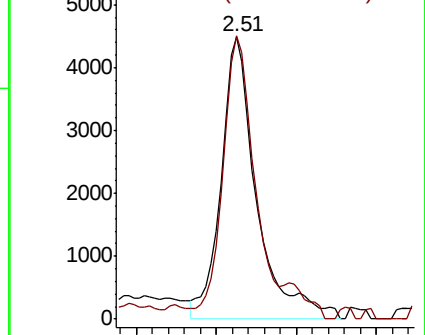
94 100

96 96.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050378.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050378.D (-284) (-)



#10

Methyl Iodide

Concen: 1.70 ug/l

RT: 3.94 min Scan# 730

Delta R.T. -0.01 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

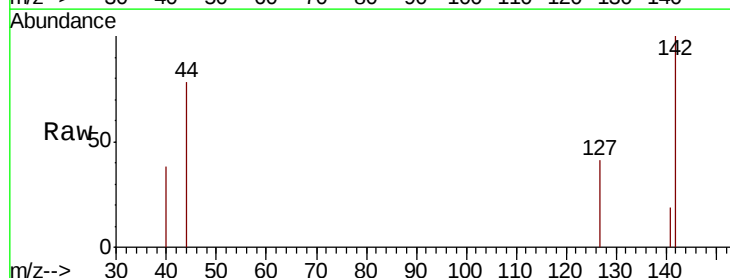
Tgt Ion: 142 Resp: 5110

Ion Ratio Lower Upper

142 100

127 37.8 33.4 50.2

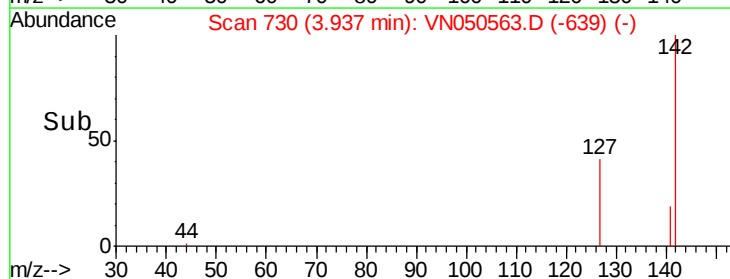
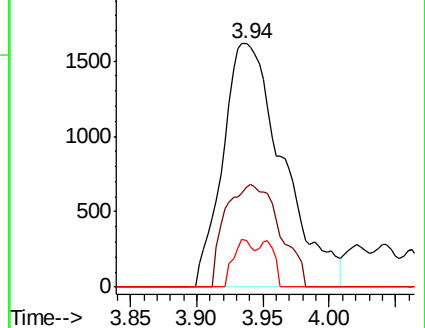
141 6.5 11.6 17.4#

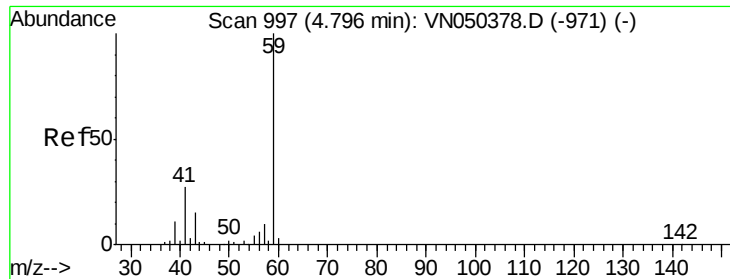


Abundance Ion 141.80 (141.50 to 142.50): VN050378.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050378.D (-713) (-)

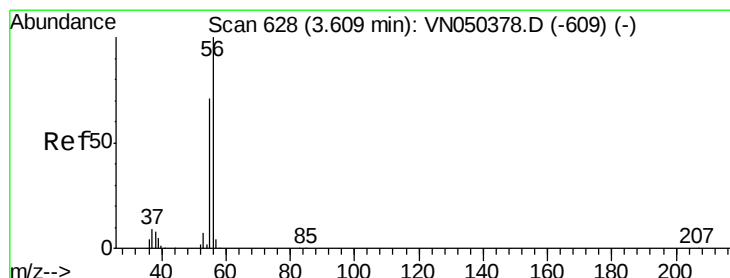
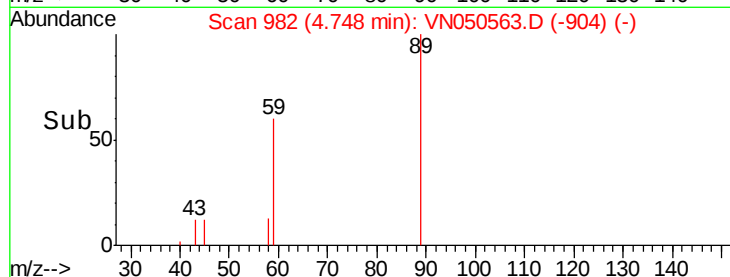
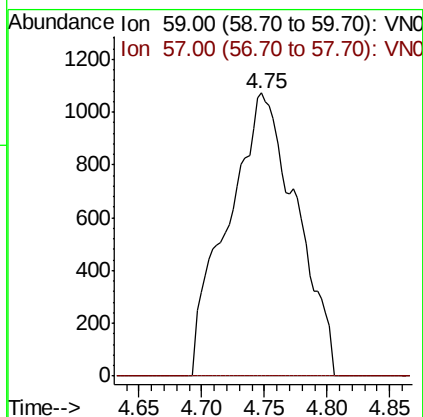
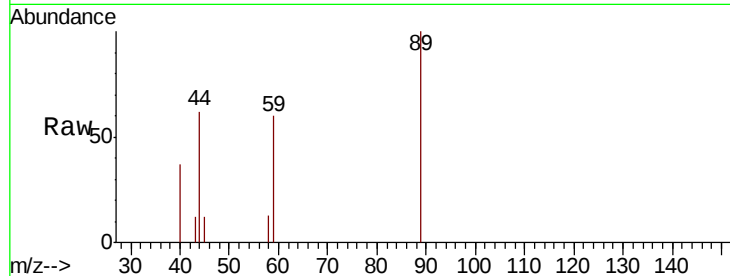




#11  
Tert butyl alcohol  
Concen: 6.38 ug/l  
RT: 4.75 min Scan# 982  
Delta R.T. -0.05 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

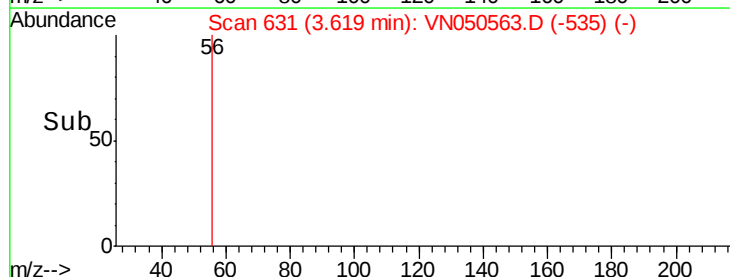
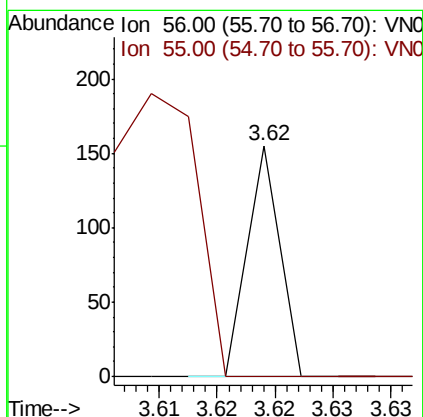
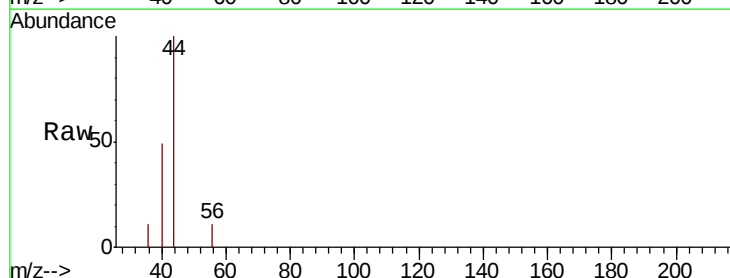
Instrument :  
MSVOA\_N  
ClientSampled :  
S-1A

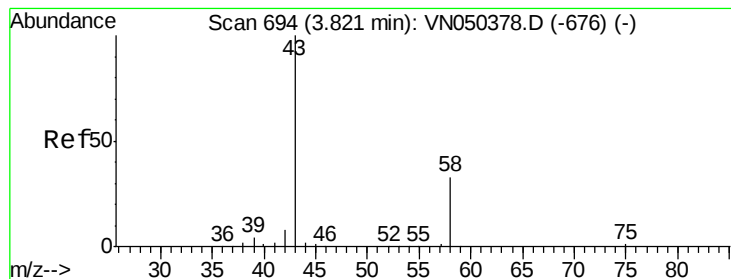
Tot Ion: 59 Resp: 4085  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.5 12.7#



#13  
Acrolein  
Concen: 15.06 ug/l  
RT: 3.62 min Scan# 631  
Delta R.T. 0.01 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

Tgt Ion: 56 Resp: 30  
Ion Ratio Lower Upper  
56 100  
55 333.3 55.8 83.6#





#16

Acetone

Concen: 1.04 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampled :

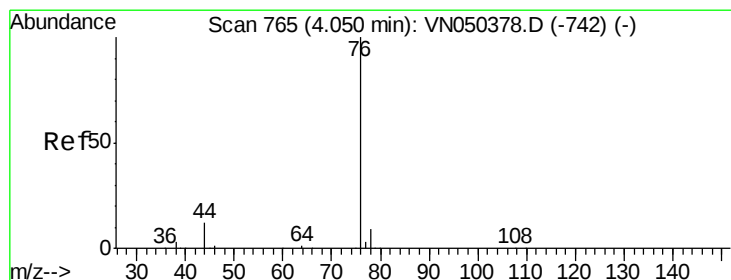
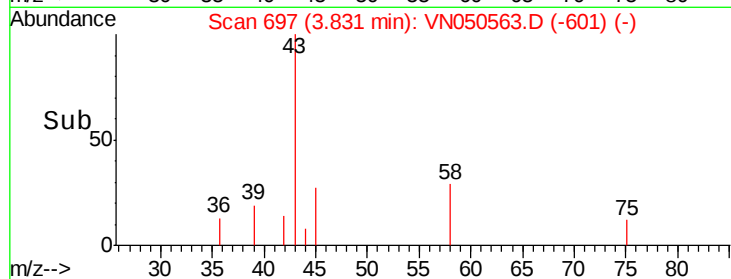
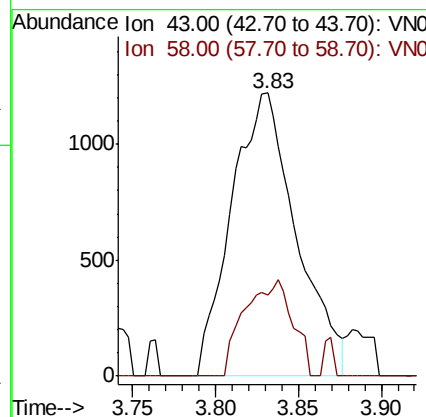
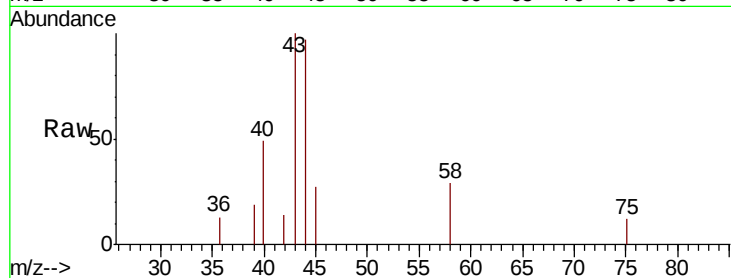
S-1A

Tot Ion: 43 Resp: 3321

Ion Ratio Lower Upper

43 100

58 28.7 25.8 38.8



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.04 min Scan# 761

Delta R.T. -0.01 min

Lab File: VN050563.D

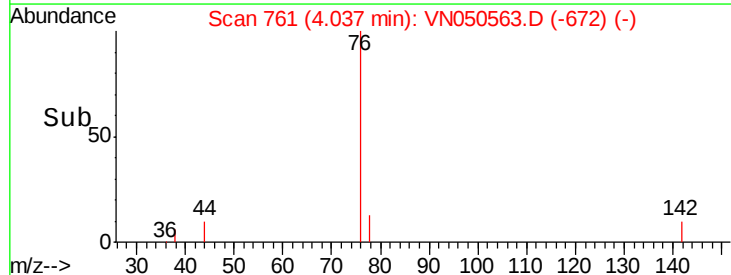
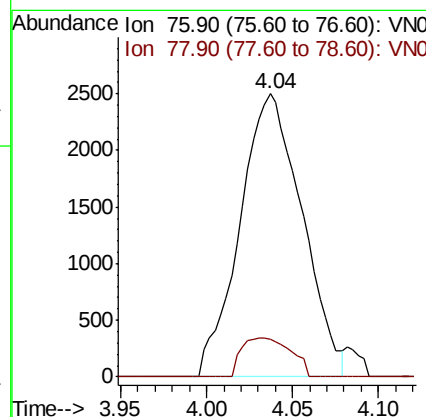
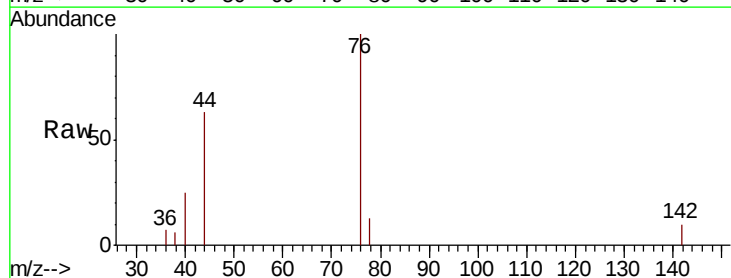
Acq: 13 Aug 2018 13:05

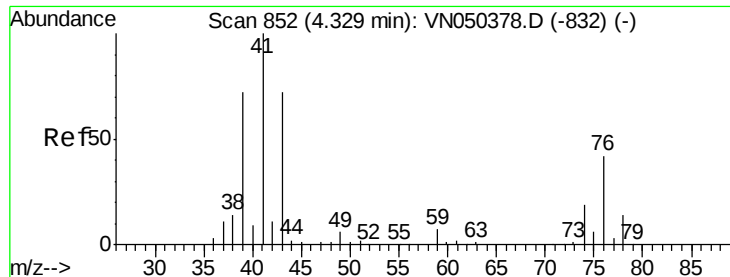
Tgt Ion: 76 Resp: 6287

Ion Ratio Lower Upper

76 100

78 13.2 7.3 10.9#

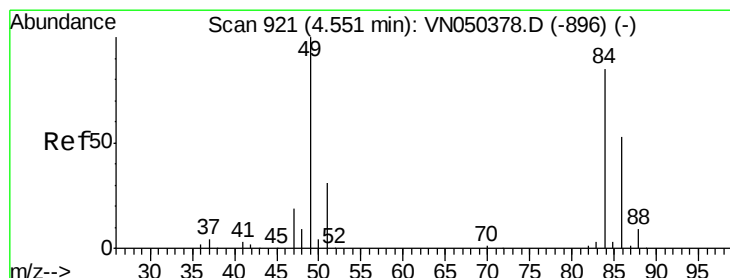
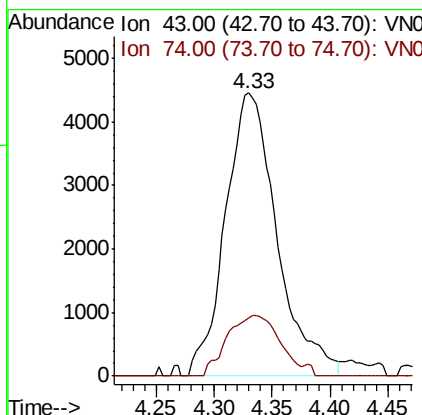
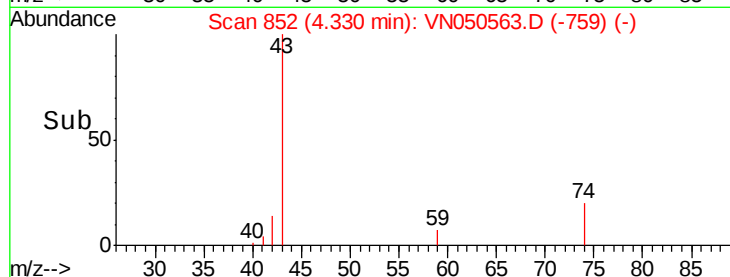
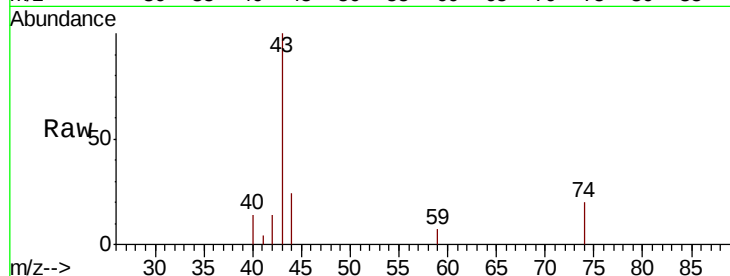




#18  
Methyl Acetate  
Concen: 2.05 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

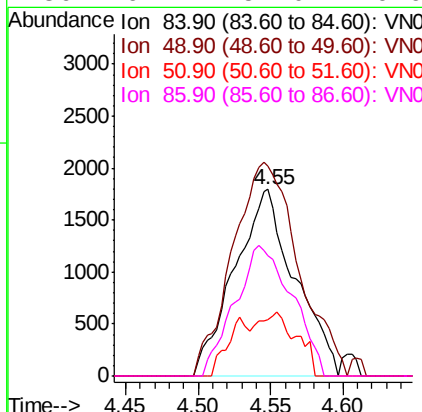
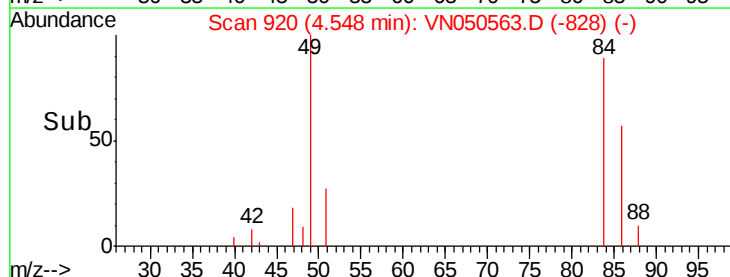
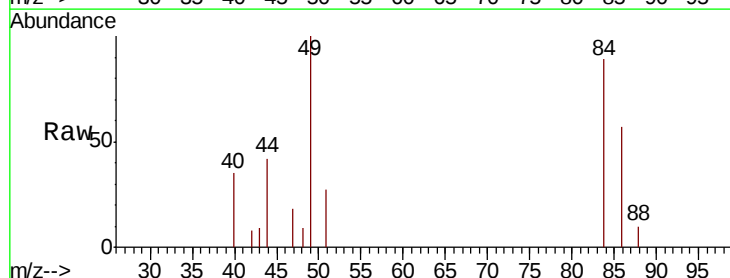
Instrument :  
MSVOA\_N  
ClientSampled :  
S-1A

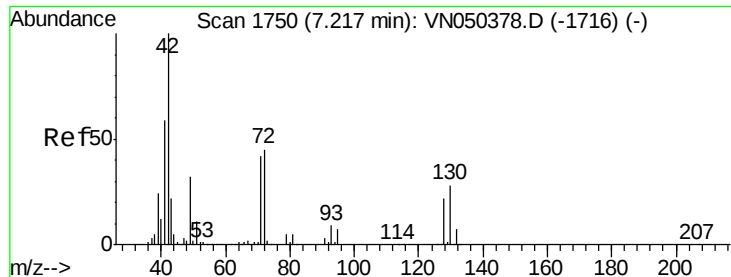
Tot Ion: 43 Resp: 13800  
Ion Ratio Lower Upper  
43 100  
74 22.3 19.2 28.8



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

Tgt Ion: 84 Resp: 5203  
Ion Ratio Lower Upper  
84 100  
49 112.3 94.8 142.2  
51 30.1 28.3 42.5  
86 64.4 51.0 76.6

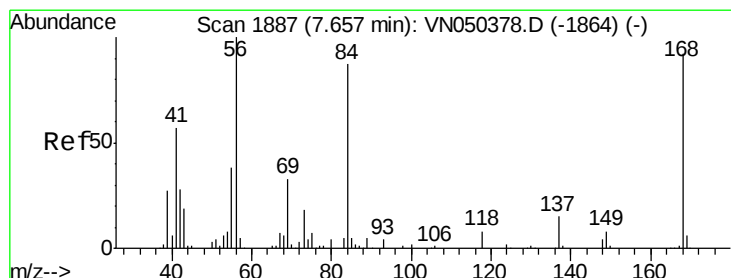
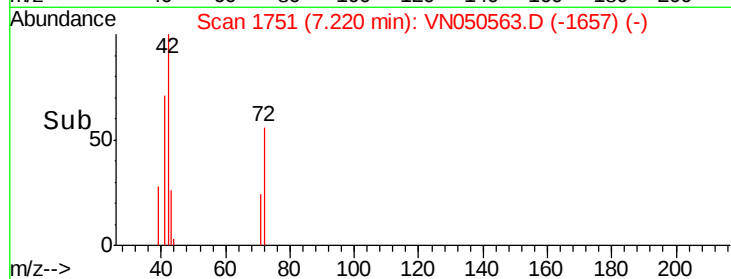
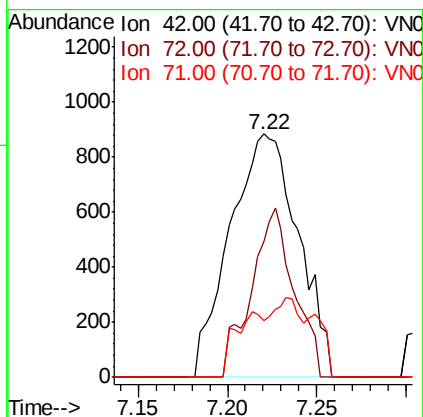
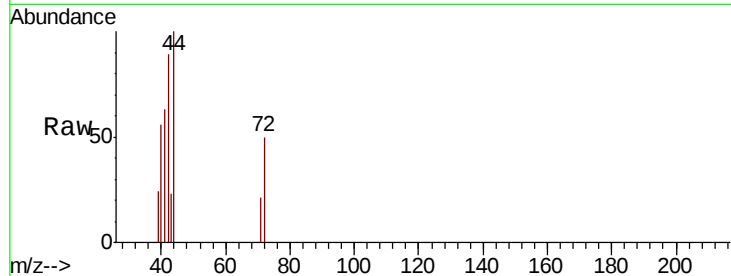




#29  
Tetrahydrofuran  
Concen: 1.11 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

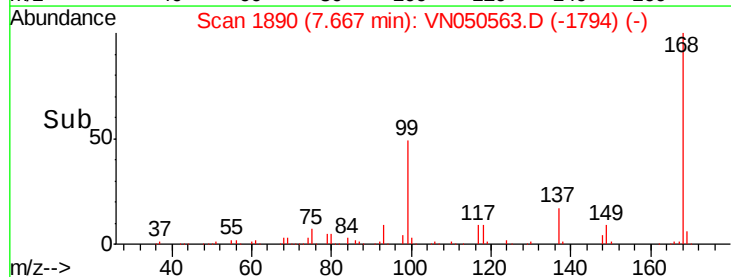
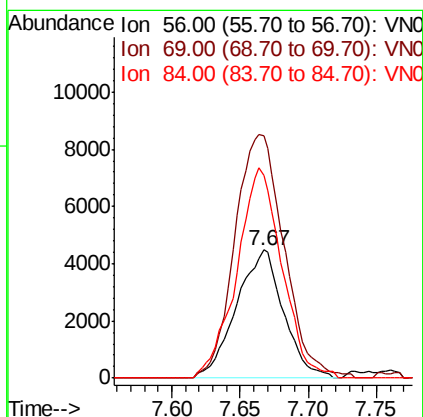
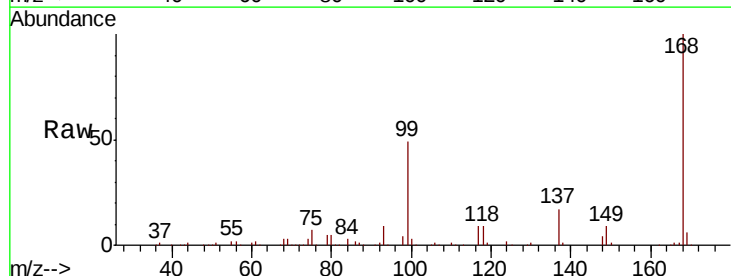
Instrument :  
MSVOA\_N  
ClientSampled :  
S-1A

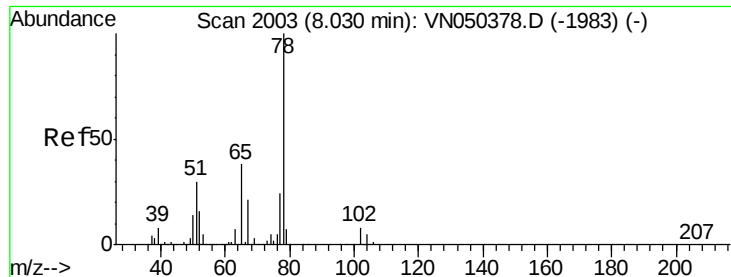
Tot Ion: 42 Resp: 2352  
Ion Ratio Lower Upper  
42 100  
72 43.8 35.9 53.9  
71 4.6 33.7 50.5#



#31  
Cyclohexane  
Concen: 0.32 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. 0.01 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

Tgt Ion: 56 Resp: 10762  
Ion Ratio Lower Upper  
56 100  
69 189.4 26.2 39.4#  
84 158.8 67.4 101.0#

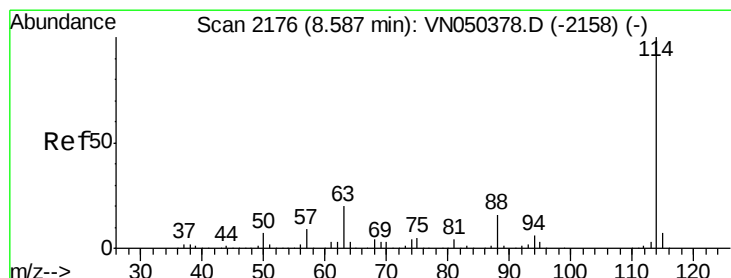
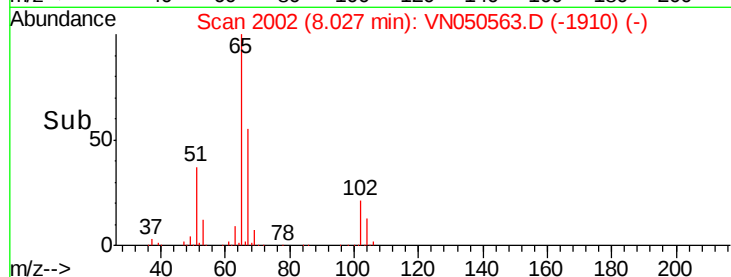
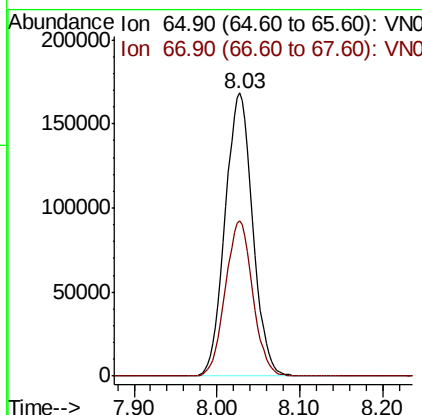
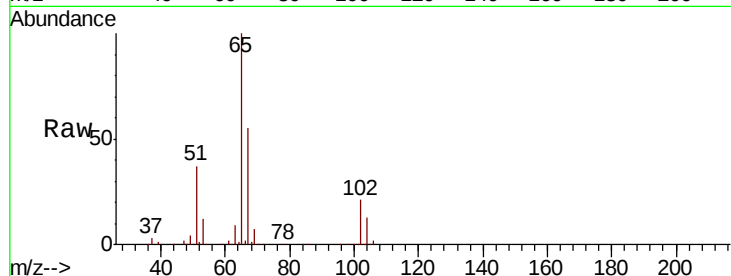




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.94 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. -0.00 min  
 Lab File: VN050563.D  
 Acq: 13 Aug 2018 13:05

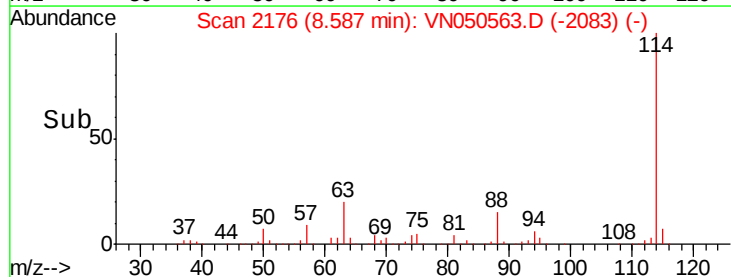
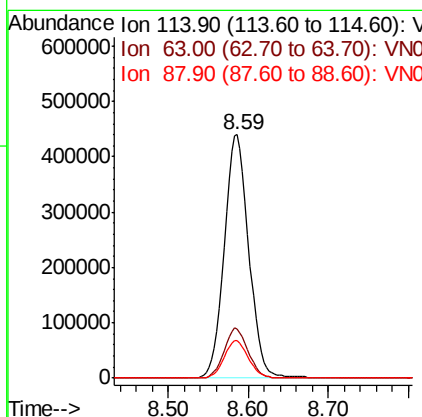
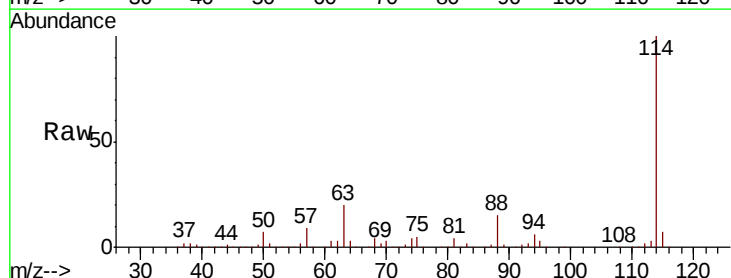
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1A

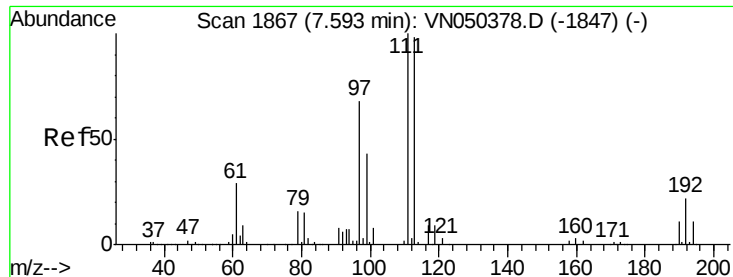
Tot Ion: 65 Resp: 390131  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN050563.D  
 Acq: 13 Aug 2018 13:05

Tgt Ion: 114 Resp: 922073  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.0  
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.44 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampleId :

S-1A

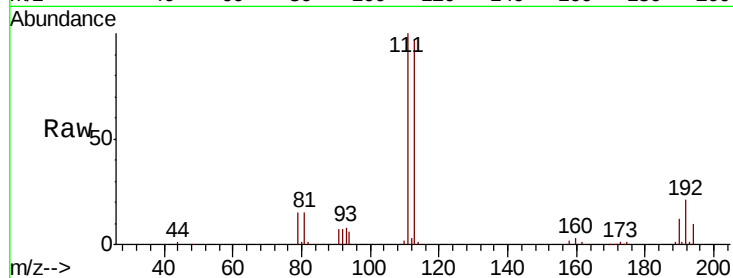
Tot Ion:113 Resp: 358394

Ion Ratio Lower Upper

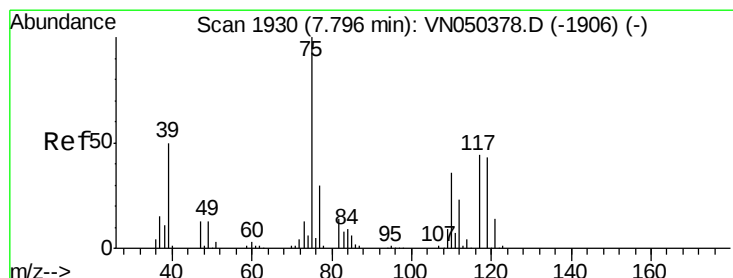
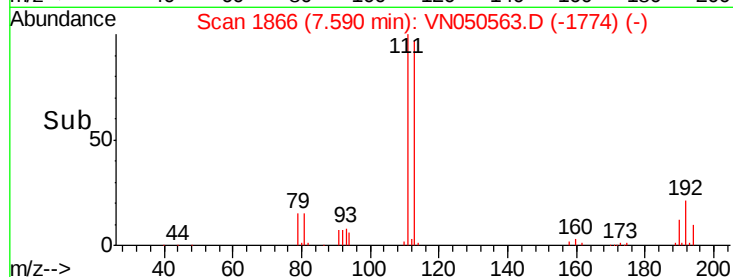
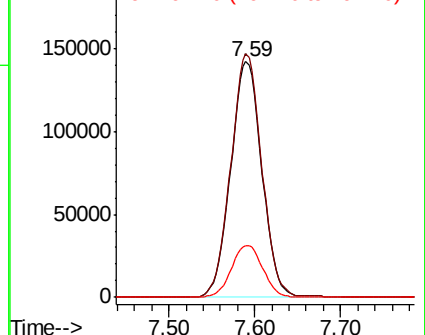
113 100

111 101.9 80.7 121.1

192 22.1 17.8 26.6



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: 4.10 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

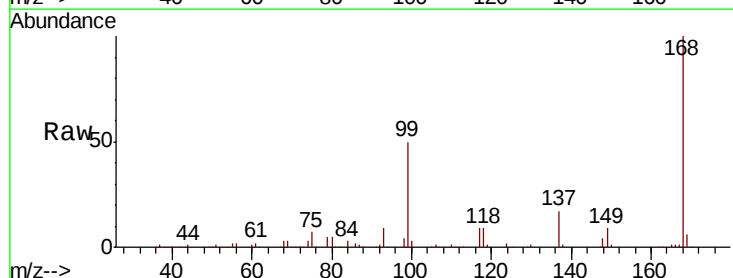
Tgt Ion: 75 Resp: 41513

Ion Ratio Lower Upper

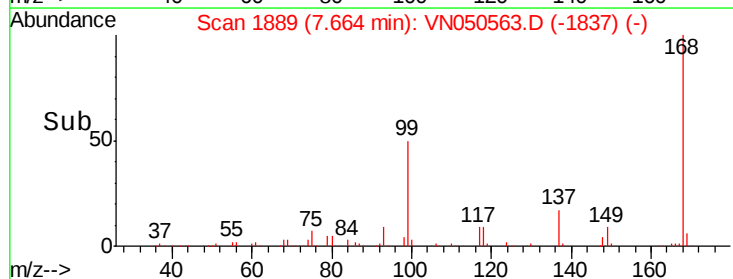
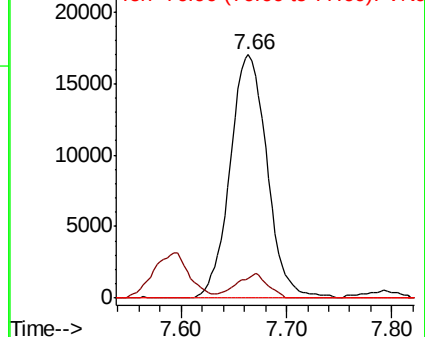
75 100

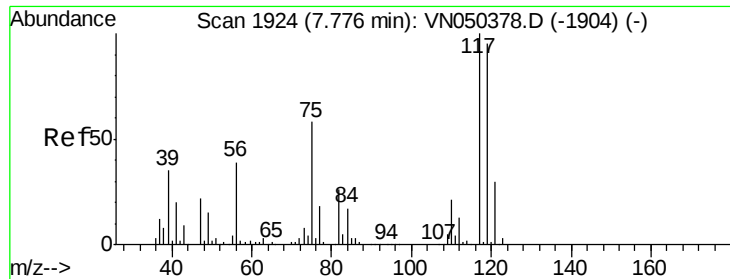
110 8.3 18.4 55.2#

77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): VNO

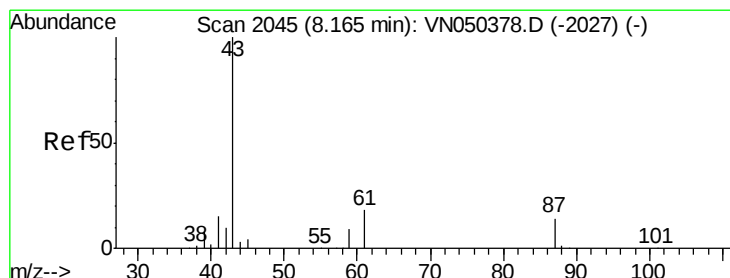
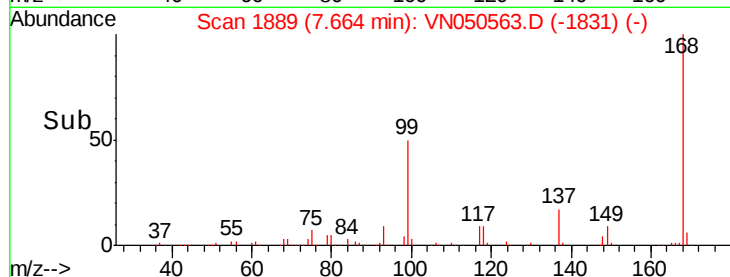
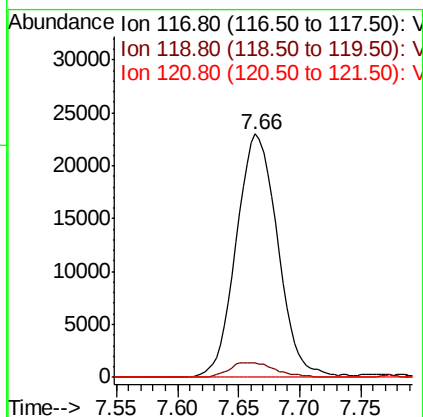
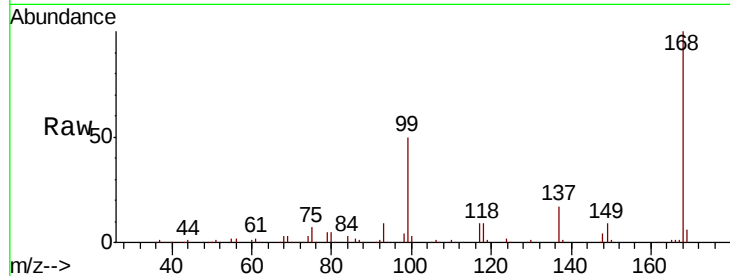




#38  
Carbon Tetrachloride  
Concen: 5.12 ug/l  
RT: 7.66 min Scan# 1889  
Delta R.T. -0.11 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

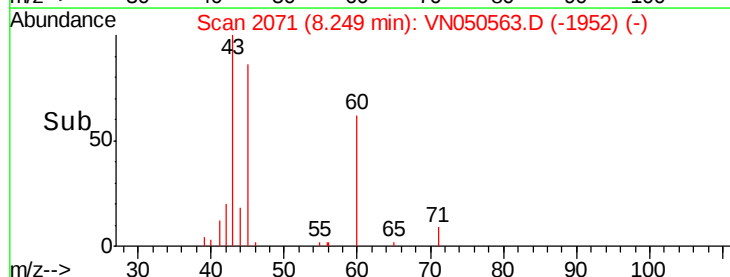
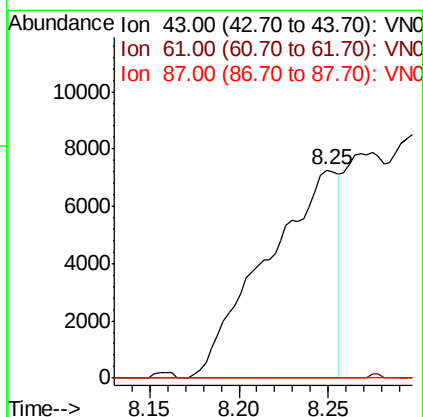
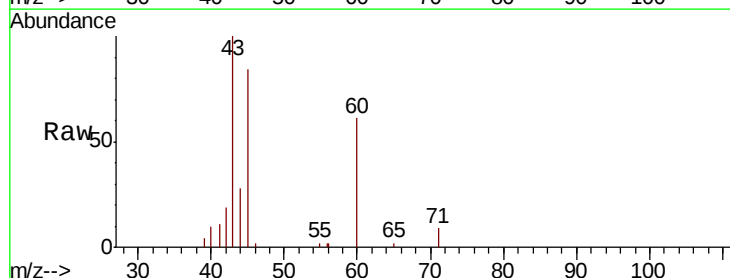
Instrument :  
MSVOA\_N  
ClientSampled :  
S-1A

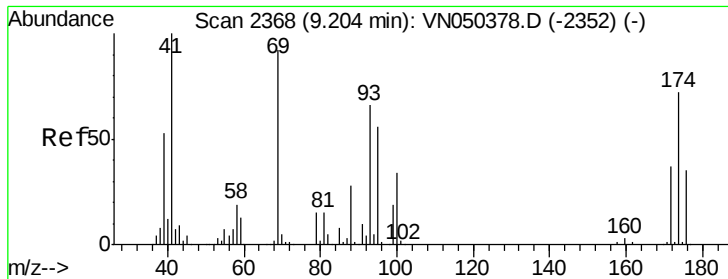
Tot Ion:117 Resp: 54105  
Ion Ratio Lower Upper  
117 100  
119 5.8 77.4 116.0#  
121 0.0 23.9 35.9#



#43  
Isopropyl Acetate  
Concen: 1.61 ug/l  
RT: 8.25 min Scan# 2071  
Delta R.T. 0.08 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

Tgt Ion: 43 Resp: 20228  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.8 23.6#  
87 0.0 10.3 15.5#





#49

1,4-Dioxane

Concen: 0.31 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampled :

S-1A

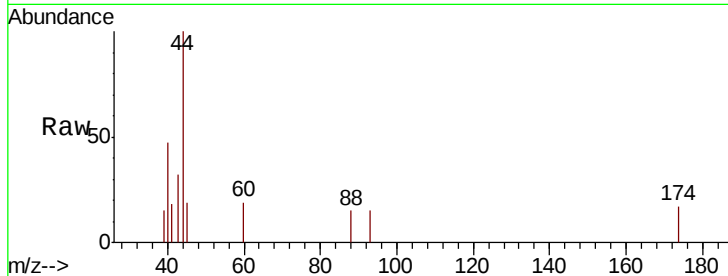
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 450.0 26.9 40.3#

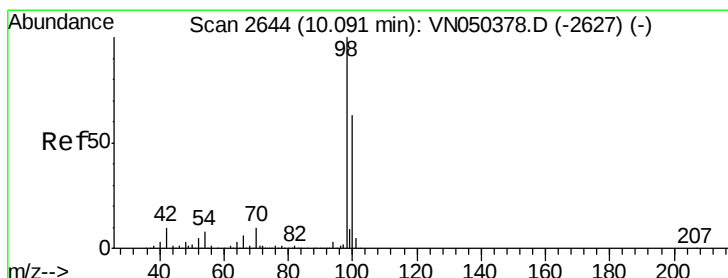
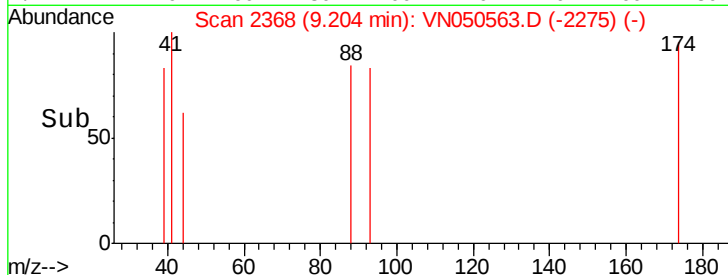
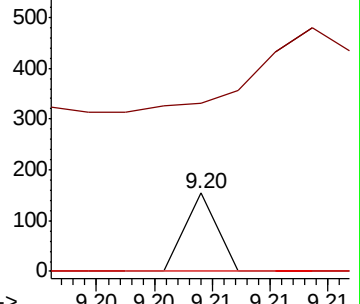
58 0.0 57.3 85.9#



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: 47.52 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050563.D

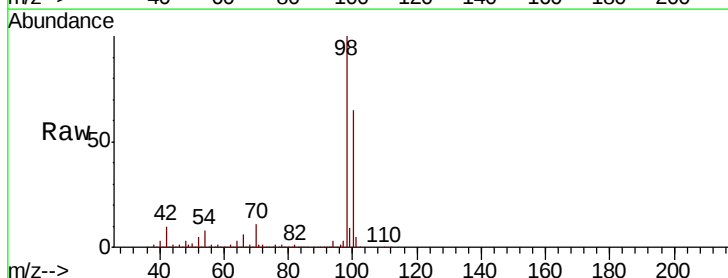
Acq: 13 Aug 2018 13:05

Tgt Ion: 98 Resp: 1321809

Ion Ratio Lower Upper

98 100

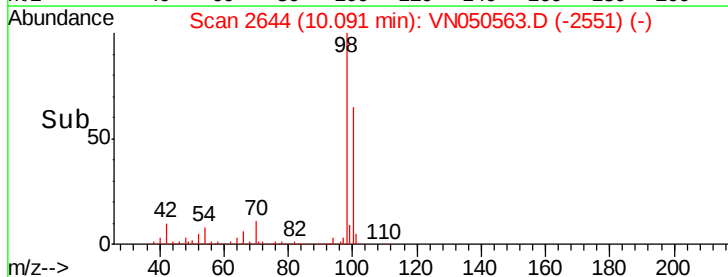
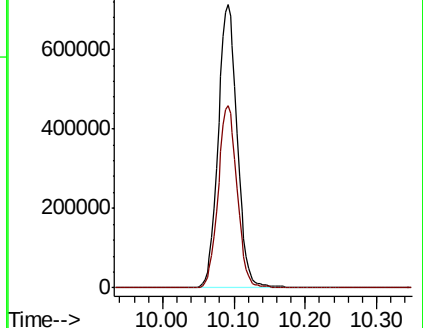
100 64.1 50.7 76.1

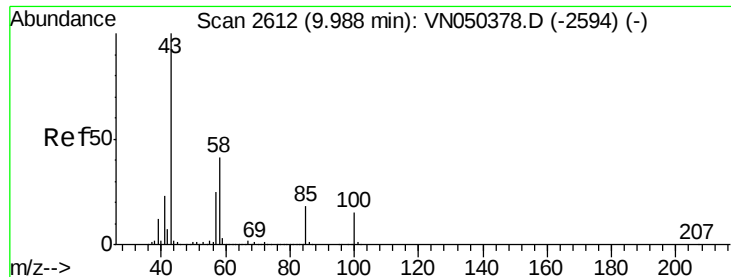


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09





#51

4-Methyl-2-Pentanone

Concen: 0.28 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampled :

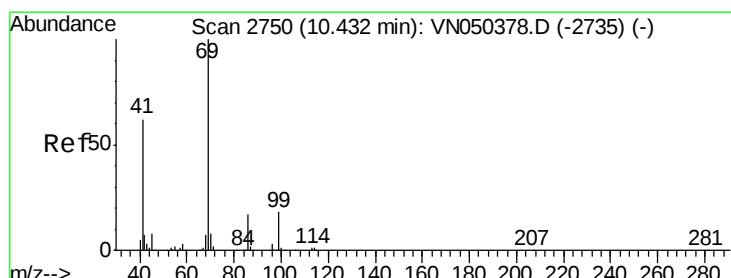
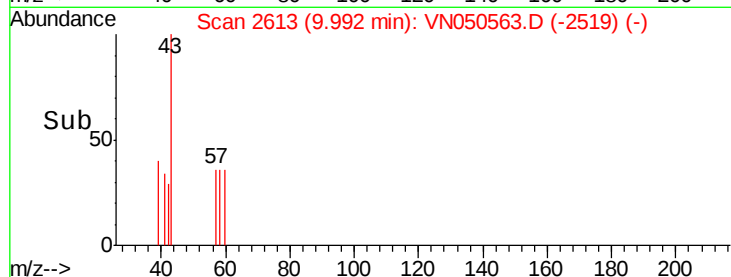
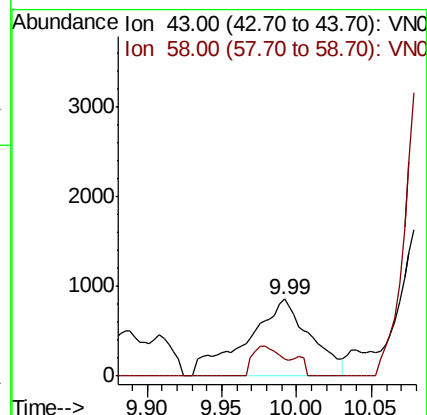
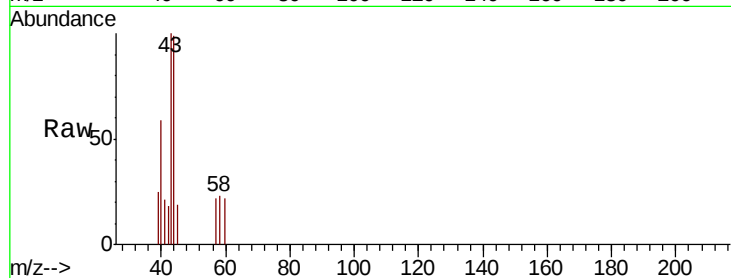
S-1A

Tot Ion: 43 Resp: 2516

Ion Ratio Lower Upper

43 100

58 17.9 31.9 47.9#



#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

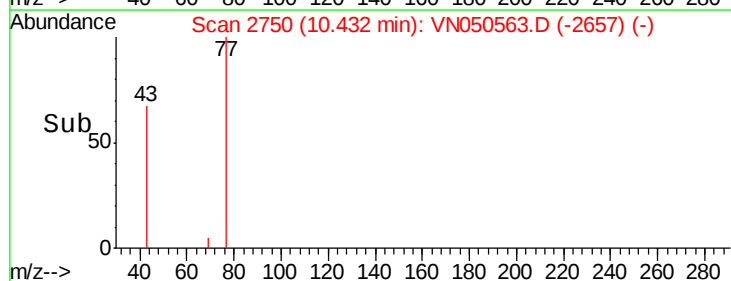
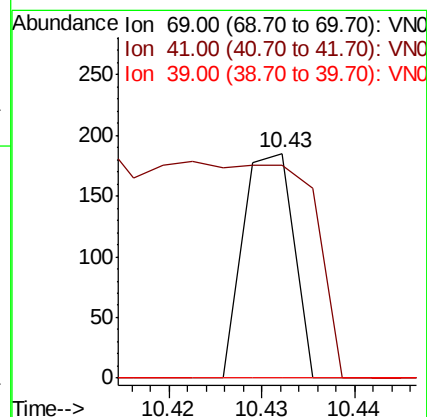
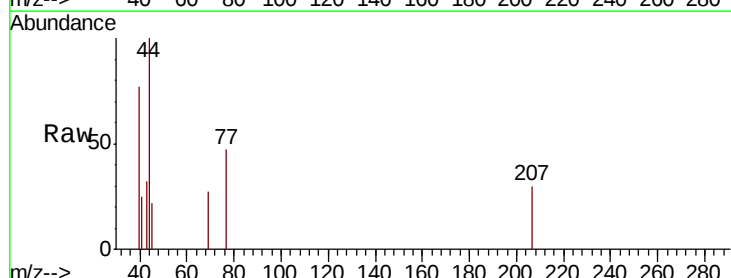
Tgt Ion: 69 Resp: 70

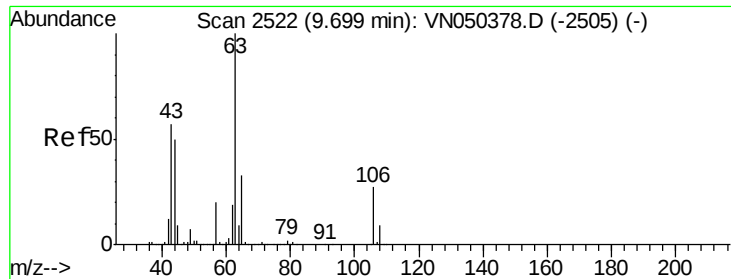
Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

39 0.0 26.6 40.0#

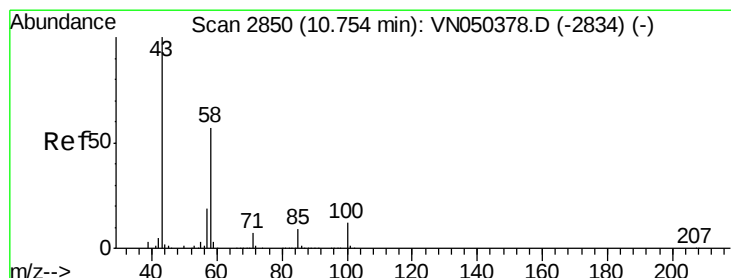
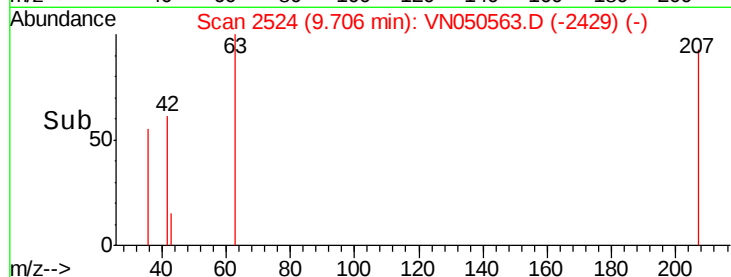
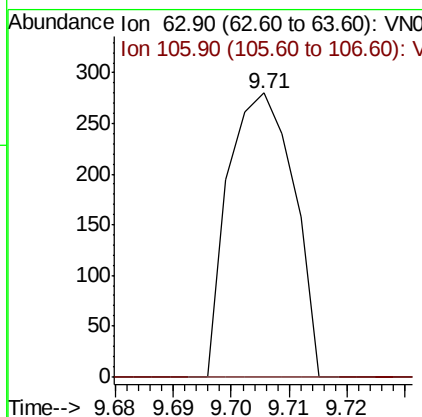
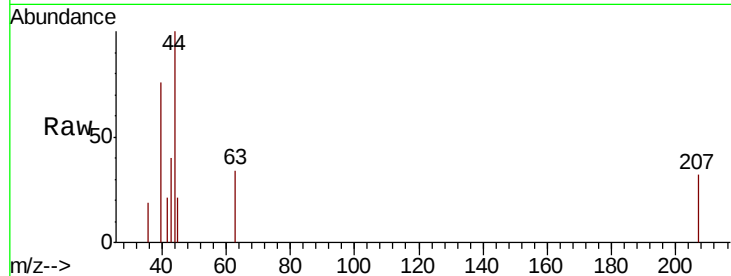




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 7.44 ug/l  
 RT: 9.71 min Scan# 2524  
 Delta R.T. 0.01 min  
 Lab File: VN050563.D  
 Acq: 13 Aug 2018 13:05

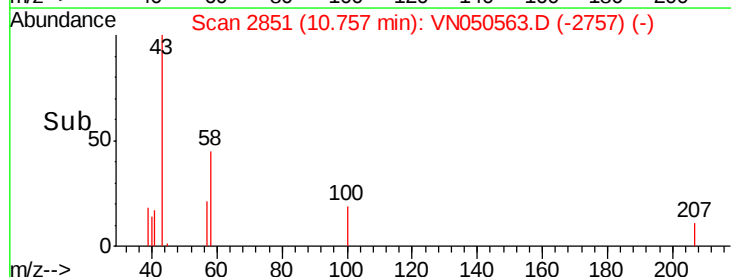
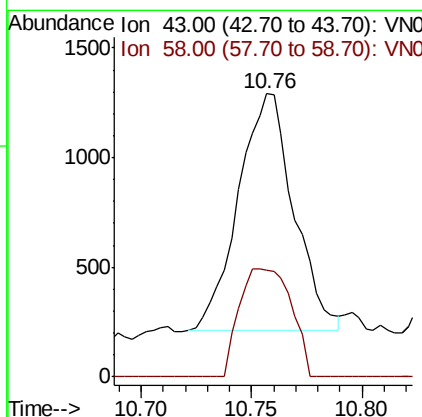
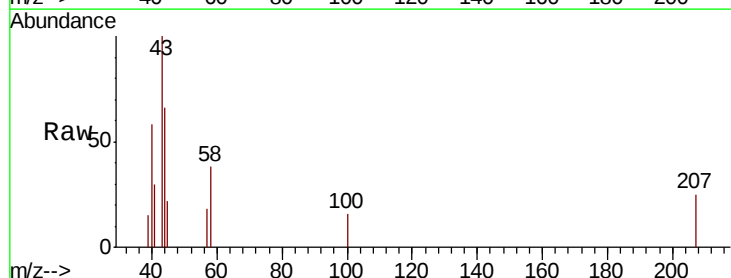
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1A

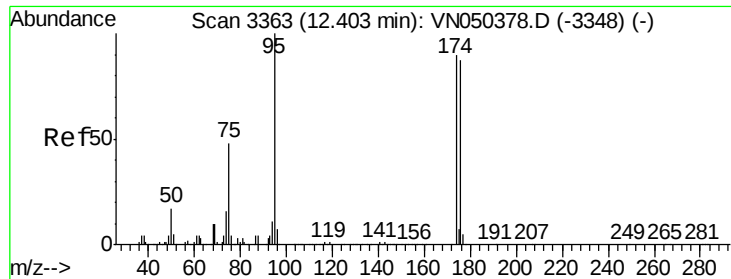
Tot Ion: 63 Resp: 219  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.7 32.5#



#59  
 2-Hexanone  
 Concen: 0.30 ug/l  
 RT: 10.76 min Scan# 2851  
 Delta R.T. 0.00 min  
 Lab File: VN050563.D  
 Acq: 13 Aug 2018 13:05

Tgt Ion: 43 Resp: 1893  
 Ion Ratio Lower Upper  
 43 100  
 58 42.6 27.6 82.7

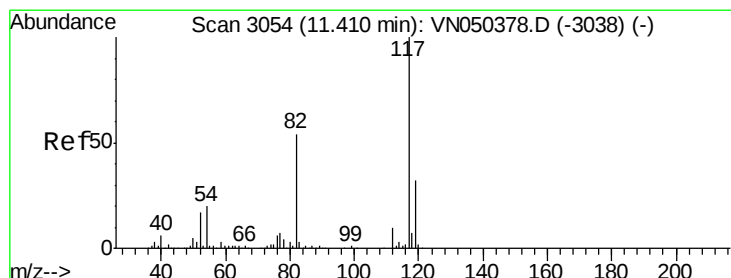
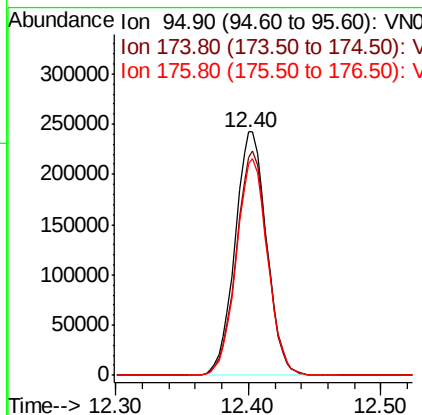
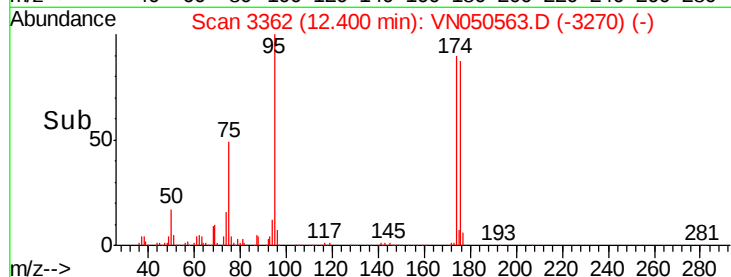
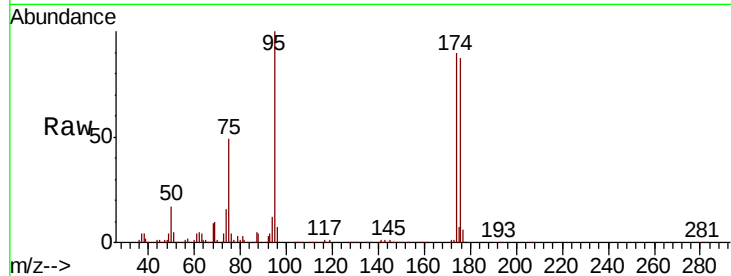




#62  
4-Bromofluorobenzene  
Concen: 42.30 ug/l  
RT: 12.40 min Scan# 3362  
Delta R.T. -0.00 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

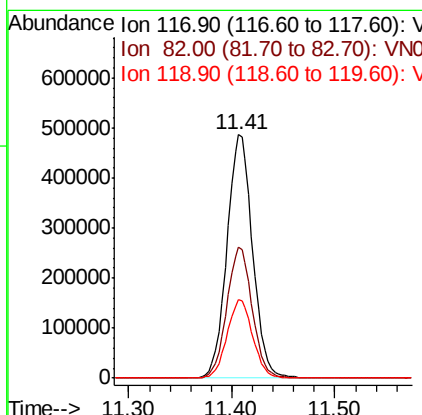
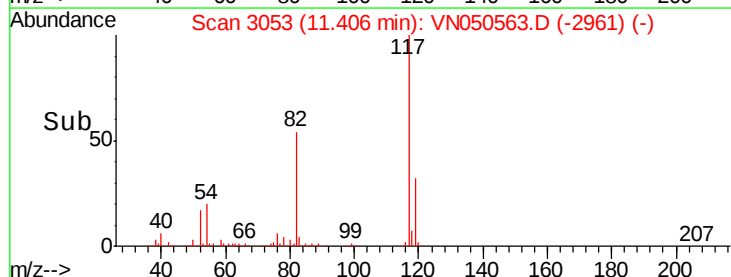
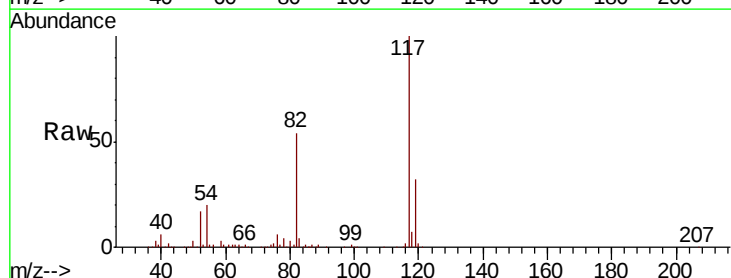
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-1A

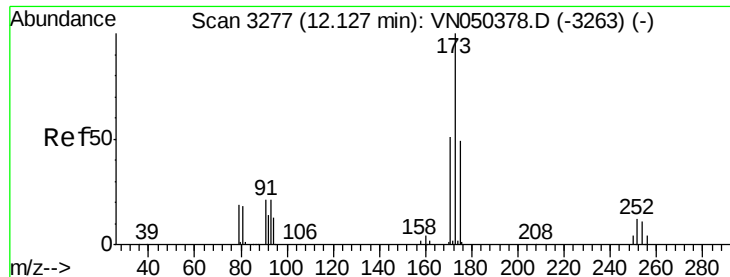
Tot Ion: 95 Resp: 401005  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 178.2  
176 87.8 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3053  
Delta R.T. -0.00 min  
Lab File: VN050563.D  
Acq: 13 Aug 2018 13:05

Tgt Ion: 117 Resp: 840887  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.7 65.5  
119 32.2 26.1 39.1





#71

Bromoform

Concen: 0.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampleId :

S-1A

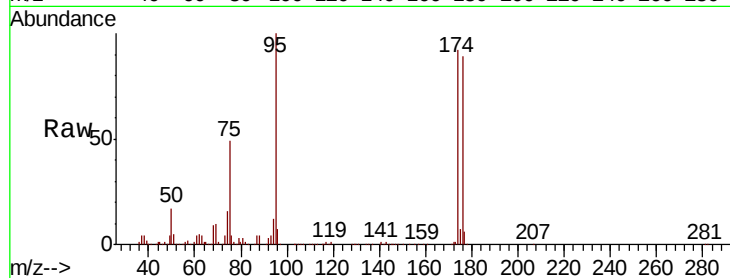
Tot Ion:173 Resp: 1885

Ion Ratio Lower Upper

173 100

175 1303.9 24.1 72.2#

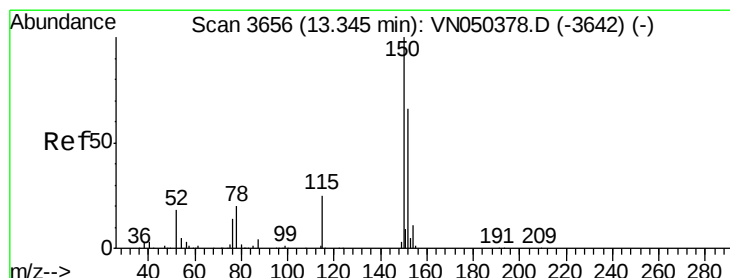
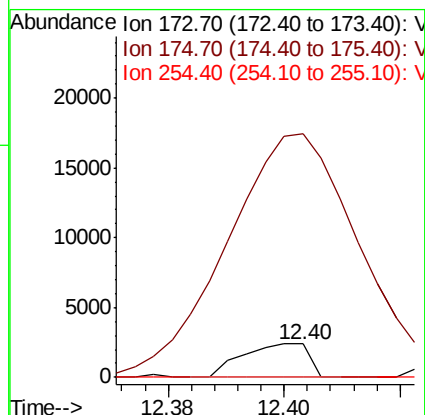
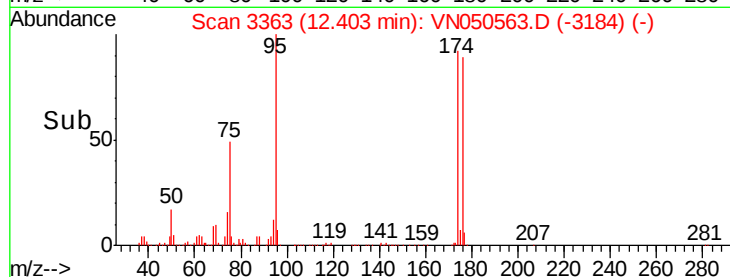
254 0.0 0.2 0.2#



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# 3656

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

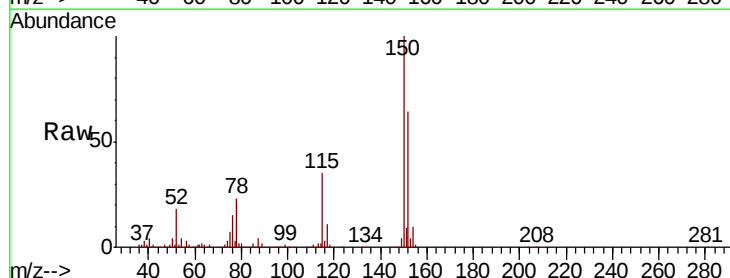
Tgt Ion:152 Resp: 373091

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

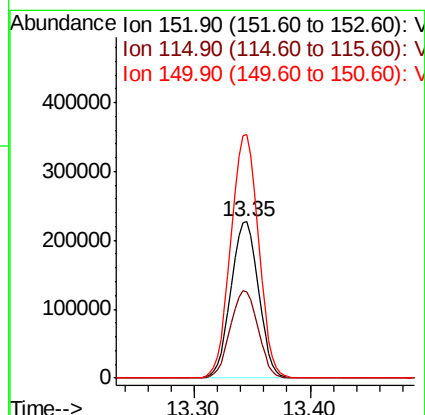
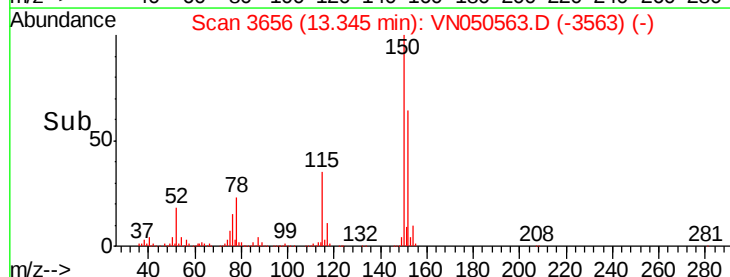
150 155.9 0.0 348.6

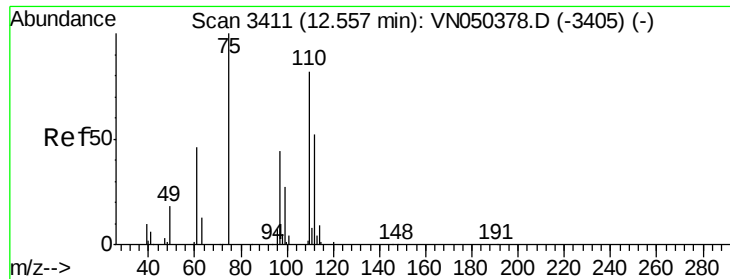


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.66 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.16 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampled :

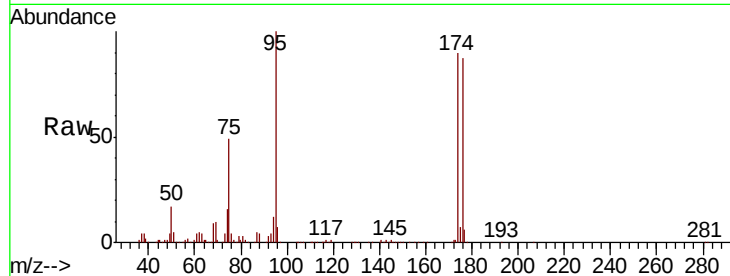
S-1A

Tot Ion: 75 Resp: 193535

Ion Ratio Lower Upper

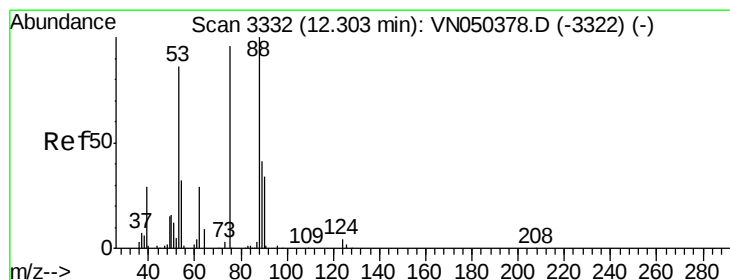
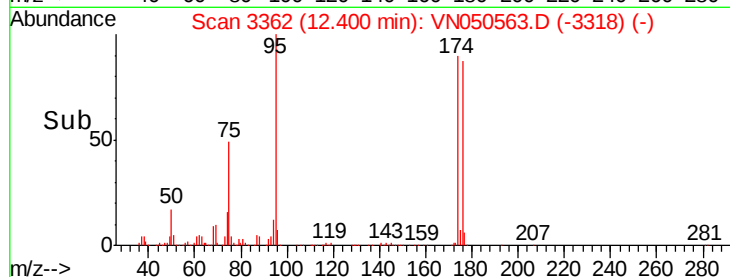
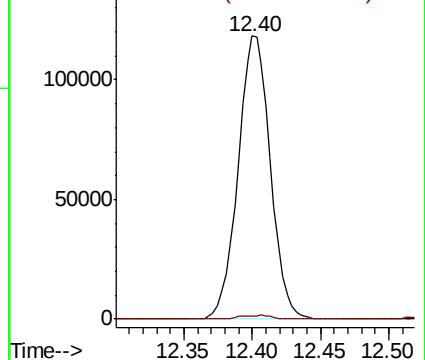
75 100

77 1.4 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: 100.69 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

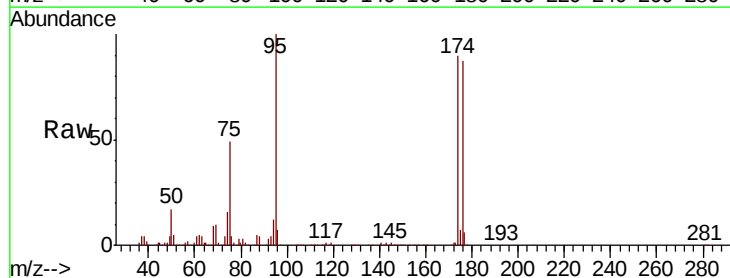
Tgt Ion: 75 Resp: 193535

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

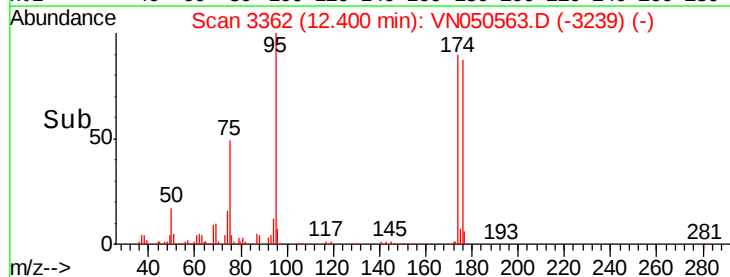
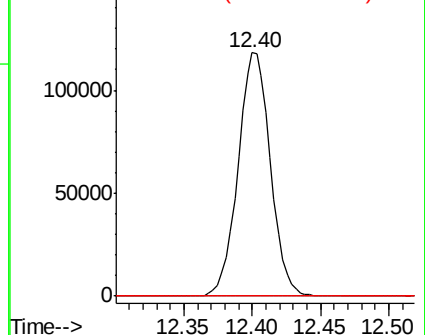
89 0.0 36.0 54.0#

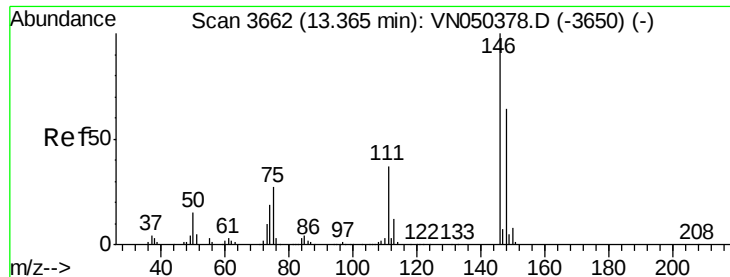


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#88

1,4-Dichlorobenzene

Concen: 0.40 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampleId :

S-1A

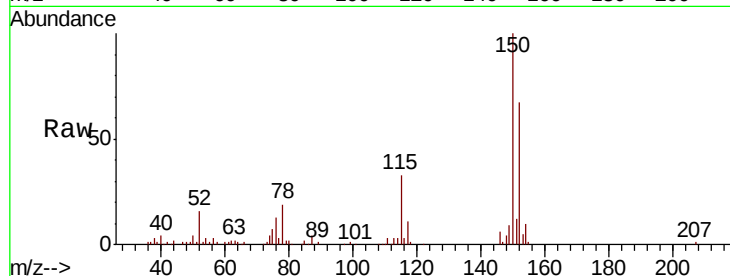
Tot Ion:146 Resp: 5334

Ion Ratio Lower Upper

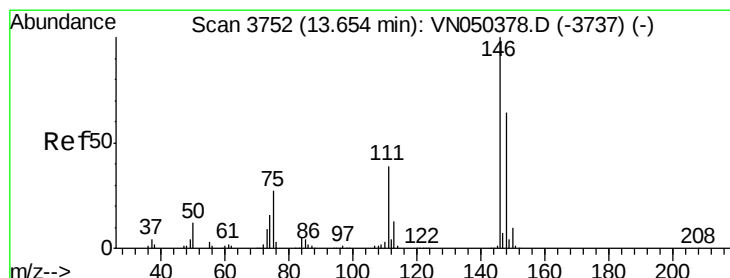
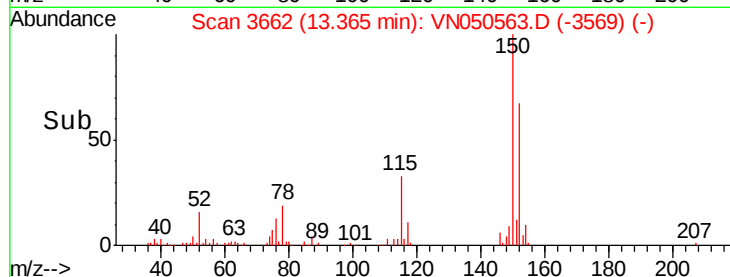
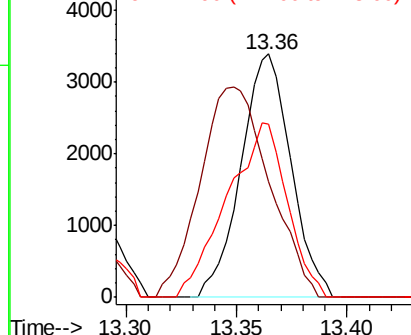
146 100

111 119.4 18.3 54.9#

148 85.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.34 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

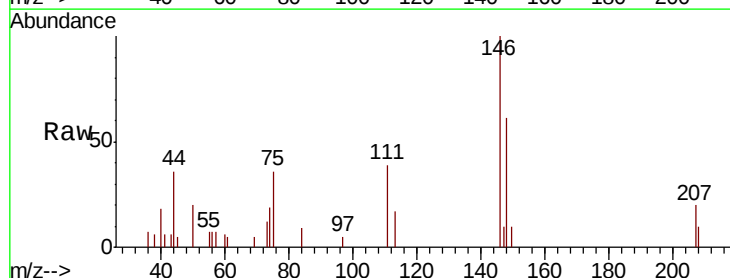
Tgt Ion:146 Resp: 4558

Ion Ratio Lower Upper

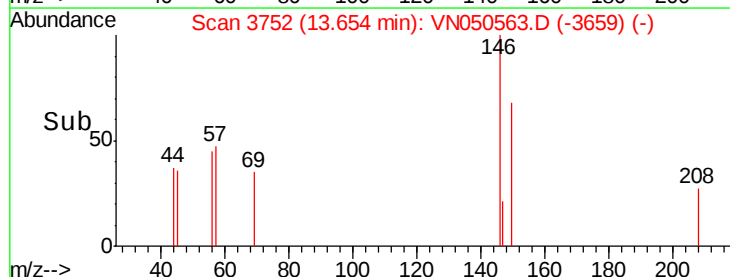
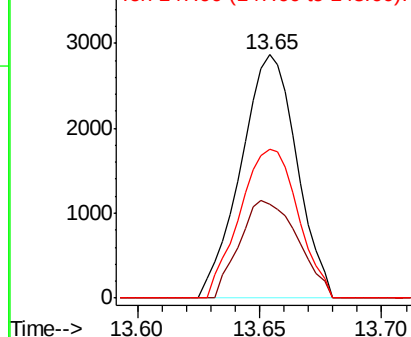
146 100

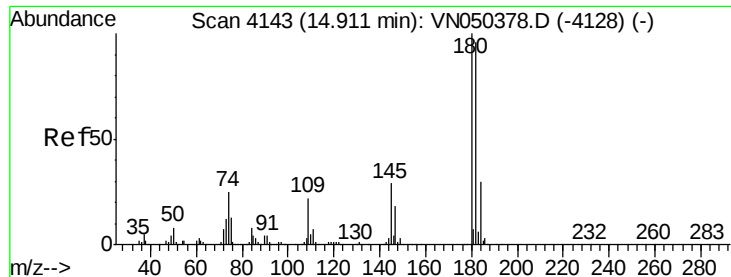
111 41.7 19.6 58.7

148 63.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V

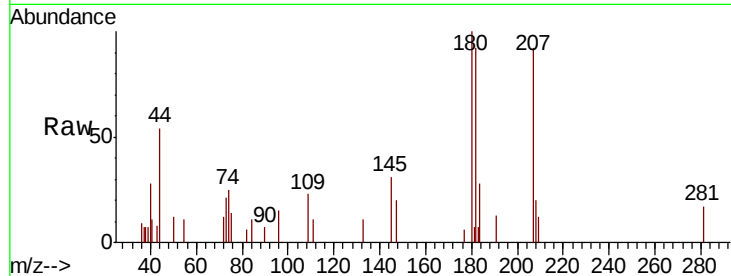




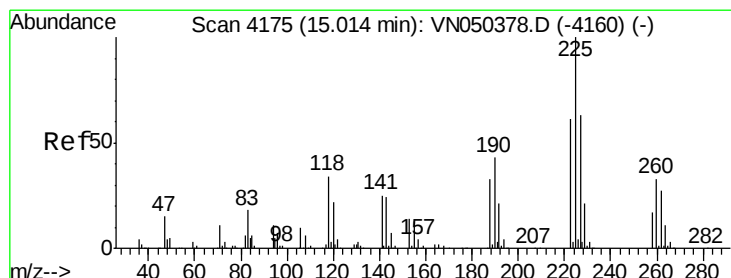
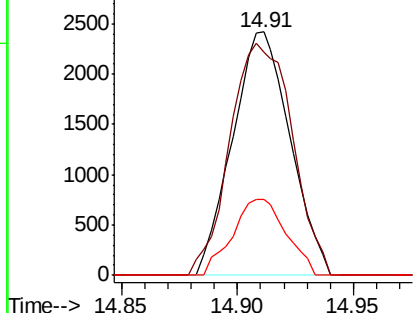
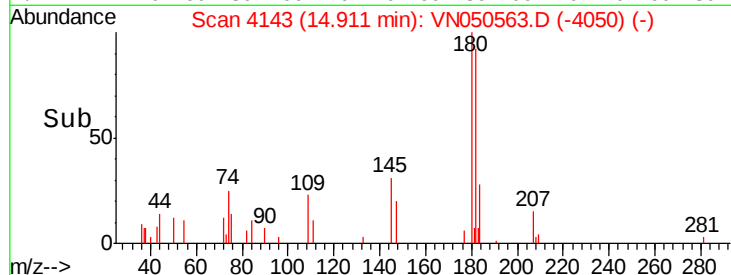
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.61 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050563.D  
 Acq: 13 Aug 2018 13:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-1A

Tot Ion:180 Resp: 4179  
 Ion Ratio Lower Upper  
 180 100  
 182 103.0 46.7 140.1  
 145 29.0 13.8 41.4

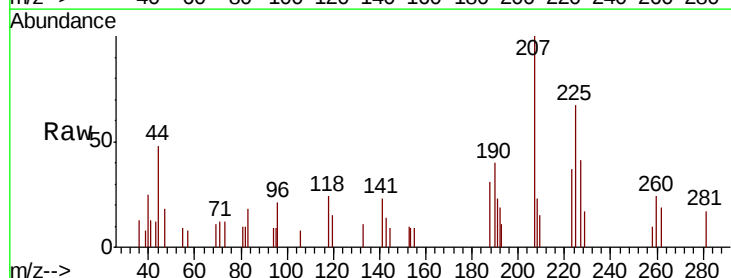


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

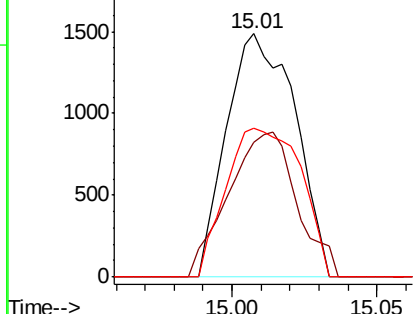
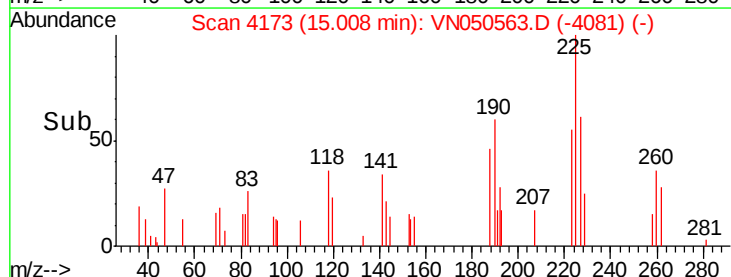


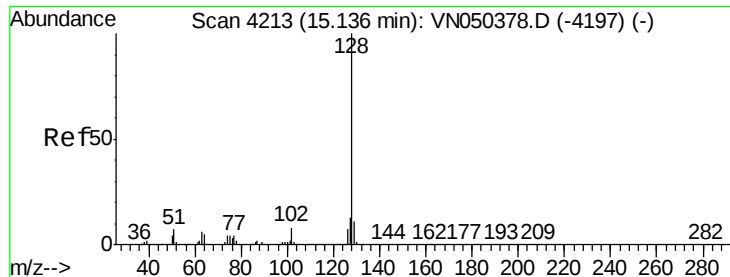
#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4173  
 Delta R.T. -0.01 min  
 Lab File: VN050563.D  
 Acq: 13 Aug 2018 13:05

Tgt Ion:225 Resp: 2438  
 Ion Ratio Lower Upper  
 225 100  
 223 59.6 31.4 94.2  
 227 66.9 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.08 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

Instrument :

MSVOA\_N

ClientSampleId :

S-1A

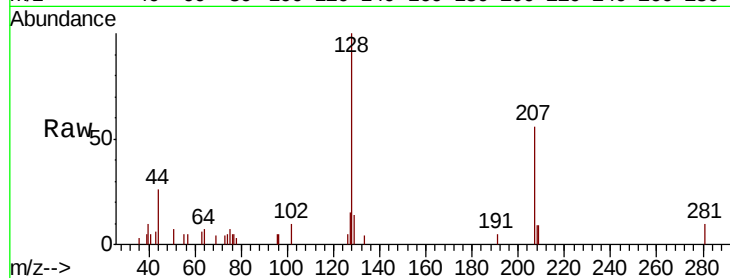
Tot Ion:128 Resp: 9046

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

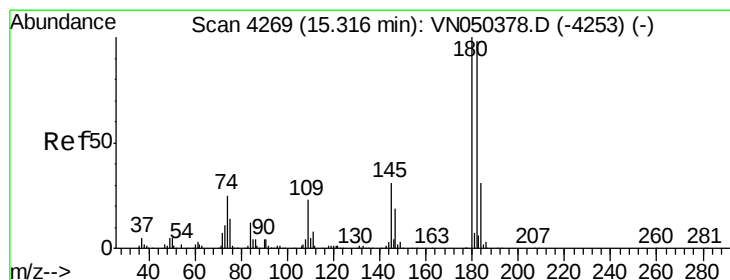
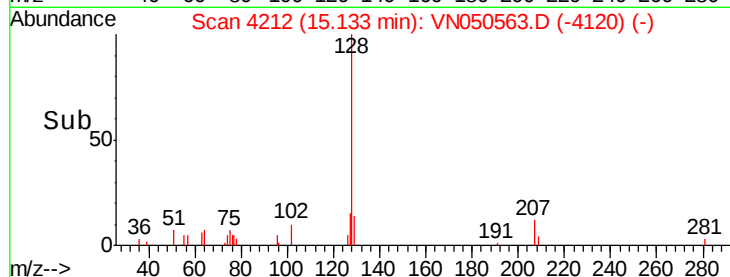
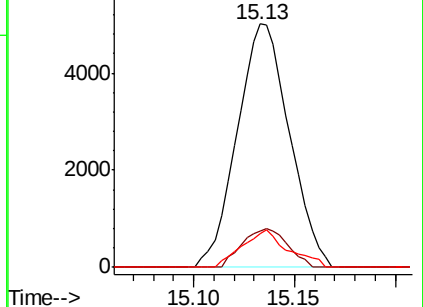
129 13.6 8.8 13.2#



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: 0.59 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050563.D

Acq: 13 Aug 2018 13:05

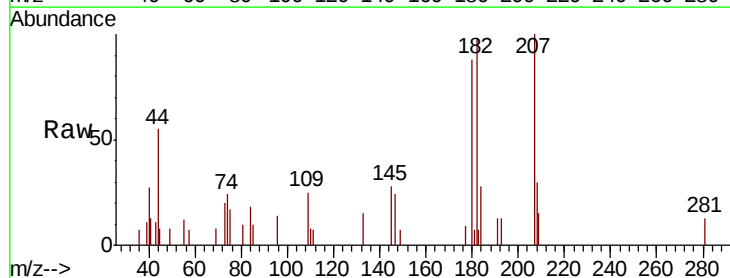
Tgt Ion:180 Resp: 4072

Ion Ratio Lower Upper

180 100

182 95.2 48.1 144.4

145 35.7 15.3 45.9



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

