

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\  
 Data File : VN055778.D  
 Acq On : 24 May 2019 1:33  
 Operator : JC/SP  
 Sample : K2996-01  
 Misc : 6.07µ/5mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-1(9.5-10.0)

Quant Time: May 24 06:56:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 388360   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 533014   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 472990   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 276296   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 176491   | 44.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.02%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 160651   | 47.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.34%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 789871   | 61.10 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 122.20% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 377683   | 85.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 170.42% |          |

| Target Compounds              | R.T.  | QIon | Response | Conc     | Units  | Qvalue |
|-------------------------------|-------|------|----------|----------|--------|--------|
| 5) Bromomethane               | 2.51  | 94   | 699      | 0.286    | ug/l   | 88     |
| 11) Tert butyl alcohol        | 4.74  | 59   | 19135    | 24.970   | ug/l # | 74     |
| 13) Acrolein                  | 3.51  | 56   | 37901    | 69.073   | ug/l # | 1      |
| 14) Allyl chloride            | 4.55  | 41   | 3324099  | 587.076  | ug/l # | 61     |
| 15) Acrylonitrile             | 5.02  | 53   | 168535   | 95.778   | ug/l # | 39     |
| 16) Acetone                   | 3.74  | 43   | 277439   | 157.367  | ug/l # | 51     |
| 18) Methyl Acetate            | 4.55  | 43   | 8893134  | 2544.307 | ug/l # | 51     |
| 20) Methylene Chloride        | 4.66  | 84   | 286840   | 75.127   | ug/l # | 11     |
| 23) Vinyl Acetate             | 5.91  | 43   | 81147    | 8.594    | ug/l # | 77     |
| 24) 1,1-Dichloroethane        | 5.90  | 63   | 26547    | 4.140    | ug/l # | 83     |
| 25) 2-Butanone                | 6.80  | 43   | 81189    | 32.974   | ug/l # | 47     |
| 26) 2,2-Dichloropropane       | 6.70  | 77   | 2693     | 0.485    | ug/l # | 51     |
| 28) Bromochloromethane        | 7.30  | 49   | 675      | 0.221    | ug/l # | 7      |
| 29) Tetrahydrofuran           | 7.20  | 42   | 12938    | 8.298    | ug/l # | 32     |
| 30) Chloroform                | 7.32  | 83   | 691531   | 108.145  | ug/l # | 18     |
| 31) Cyclohexane               | 7.63  | 56   | 3413043  | 566.962  | ug/l # | 51     |
| 36) 1,1-Dichloropropene       | 7.87  | 75   | 1739     | 0.374    | ug/l # | 1      |
| 37) Ethyl Acetate             | 6.80  | 43   | 81189    | 18.085   | ug/l # | 67     |
| 38) Carbon Tetrachloride      | 7.66  | 117  | 30930    | 6.393    | ug/l # | 14     |
| 39) Methylcyclohexane         | 9.08  | 83   | 3517969  | 611.607  | ug/l   | 92     |
| 40) Benzene                   | 8.04  | 78   | 295288   | 21.093   | ug/l   | 98     |
| 41) Methacrylonitrile         | 7.20  | 41   | 156143   | 68.844   | ug/l # | 41     |
| 42) 1,2-Dichloroethane        | 8.16  | 62   | 7655     | 1.673    | ug/l # | 1      |
| 43) Isopropyl Acetate         | 8.14  | 43   | 1365931  | 181.087  | ug/l # | 53     |
| 45) 1,2-Dichloropropane       | 9.14  | 63   | 8260     | 2.265    | ug/l # | 1      |
| 46) Dibromomethane            | 9.21  | 93   | 1828     | 0.764    | ug/l # | 1      |
| 47) Bromodichloromethane      | 9.38  | 83   | 924144   | 188.415  | ug/l # | 25     |
| 48) Methyl methacrylate       | 9.22  | 41   | 172713   | 49.682   | ug/l # | 26     |
| 51) 4-Methyl-2-Pentanone      | 10.02 | 43   | 419744   | 94.221   | ug/l # | 75     |
| 52) Toluene                   | 10.16 | 92   | 153225   | 17.403   | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene   | 9.87  | 75   | 1733     | 0.299    | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane     | 10.53 | 97   | 1282048  | 363.479  | ug/l # | 19     |
| 56) Ethyl methacrylate        | 10.47 | 69   | 323939   | 59.426   | ug/l # | 1      |
| 58) 2-Chloroethyl Vinyl ether | 9.67  | 63   | 26416    | 12.680   | ug/l # | 46     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN052319\  
 Data File : VN055778.D  
 Acq On : 24 May 2019 1:33  
 Operator : JC/SP  
 Sample : K2996-01  
 Misc : 6.07g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 41 Sample Multiplier: 1

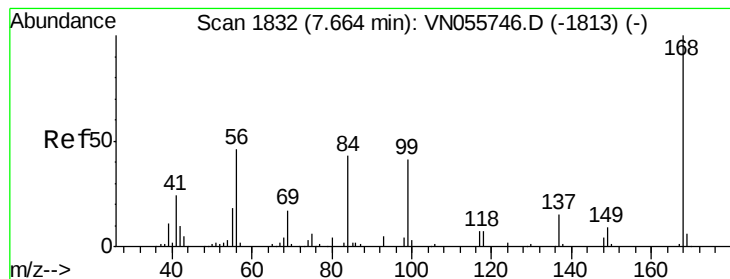
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-1(9.5-10.0)

Quant Time: May 24 06:56:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 59) 2-Hexanone                 | 10.72 | 43   | 1045765  | 330.904   | ug/l # | 29       |
| 60) Dibromochloromethane       | 10.82 | 129  | 8447     | 2.056     | ug/l # | 11       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 8799     | 2.405     | ug/l # | 1        |
| 65) Chlorobenzene              | 11.54 | 112  | 21733    | 2.295     | ug/l # | 42       |
| 68) m/p-Xylenes                | 11.63 | 106  | 14398524 | 2243.000  | ug/l # | 1        |
| 69) o-Xylene                   | 11.95 | 106  | 54844    | 8.611     | ug/l   | 85       |
| 73) Isopropylbenzene           | 12.25 | 105  | 8266184  | 441.467   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.04 | 43   | 406770   | 54.576    | ug/l # | 53       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.54 | 83   | 39819    | 3.779     | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 5116     | Below Cal | #      | 100      |
| 77) Bromobenzene               | 12.54 | 156  | 287218   | 48.715    | ug/l # | 1        |
| 78) n-propylbenzene            | 12.59 | 91   | 8767969  | 365.120   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.69 | 91   | 1834343  | 146.746   | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 8922378  | 565.738   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.25 | 75   | 83225    | 40.528    | ug/l # | 60       |
| 82) 4-Chlorotoluene            | 12.73 | 91   | 860374   | 60.951    | ug/l # | 40       |
| 83) tert-Butylbenzene          | 13.04 | 119  | 6153011  | 454.777   | ug/l # | 68       |
| 84) 1,2,4-Trimethylbenzene     | 12.89 | 105  | 8407975  | 531.623   | ug/l   | 78       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 980331   | 52.841    | ug/l # | 54       |
| 86) p-Isopropyltoluene         | 13.23 | 119  | 816060   | 42.530    | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.54 | 91   | 930871   | 63.317    | ug/l   | 72       |
| 90) Hexachloroethane           | 13.89 | 117  | 755585   | 206.886   | ug/l # | 1        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.29 | 75   | 9346     | 7.634     | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 817      | 3.778     | ug/l # | 1        |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 59       | Below Cal | #      | 19       |
| 95) Naphthalene                | 15.13 | 128  | 6053818  | 473.651   | ug/l   | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

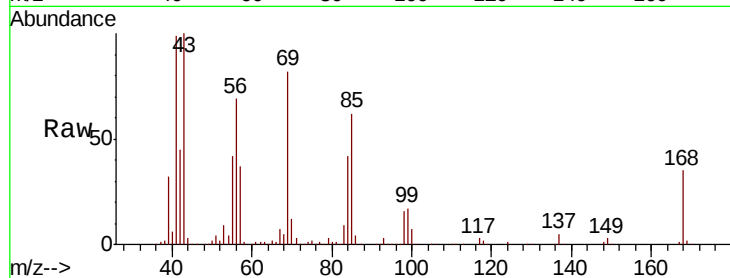
P-1(9.5-10.0)

Tot Ion:168 Resp: 388360

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

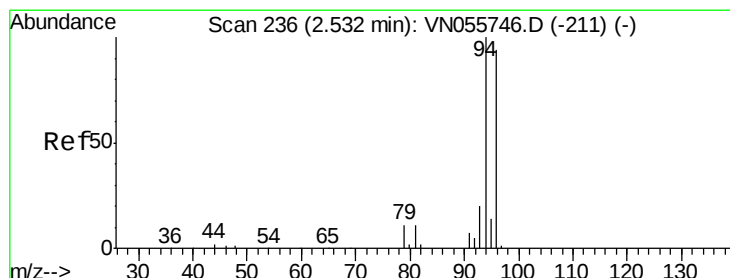
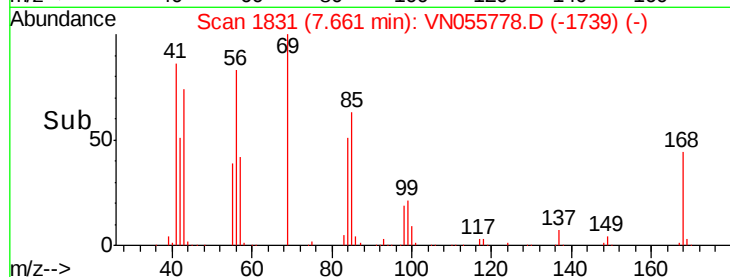
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.286 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.03 min

Lab File: VN055778.D

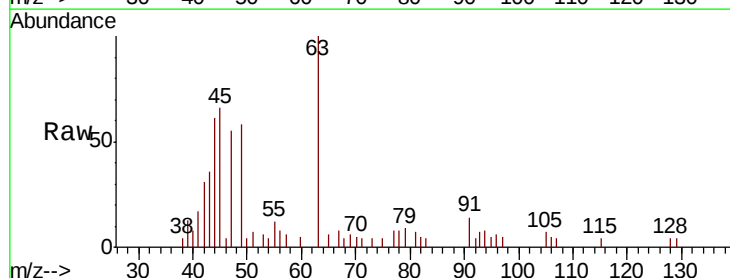
Acq: 24 May 2019 1:33

Tgt Ion: 94 Resp: 699

Ion Ratio Lower Upper

94 100

96 82.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.51

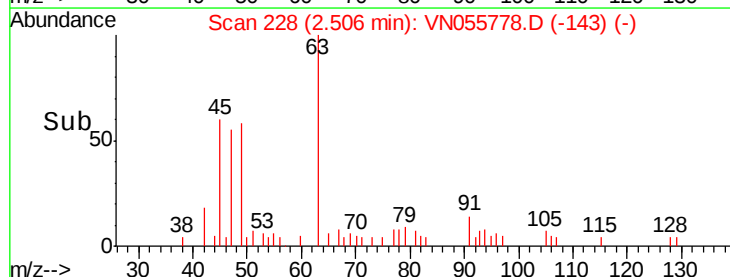
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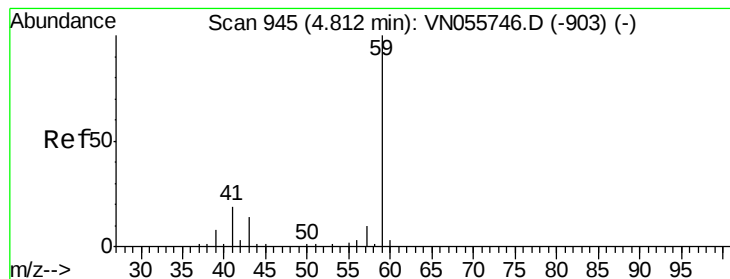
200

100

0

Time-->



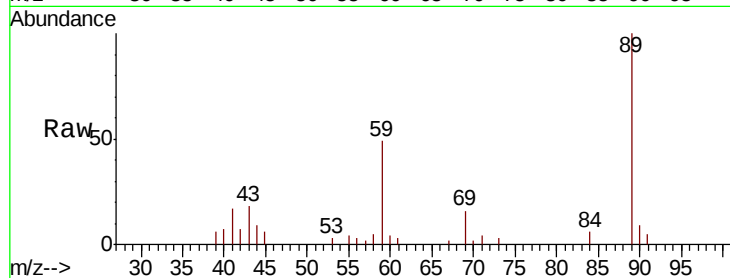


#11

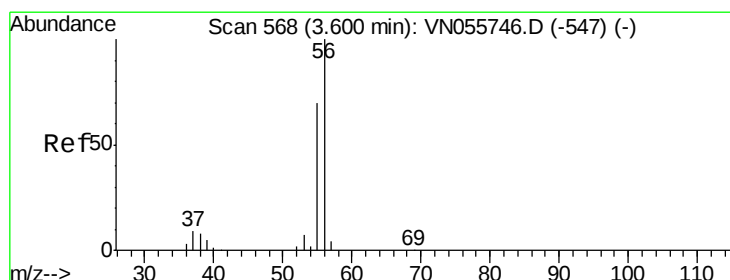
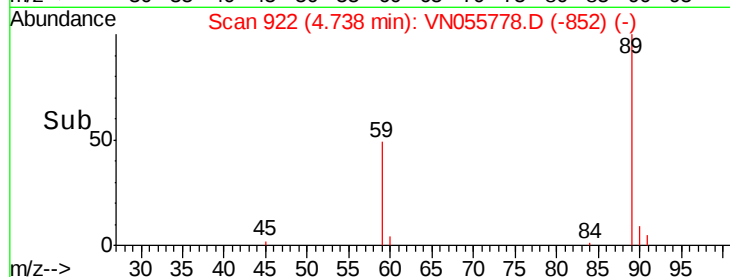
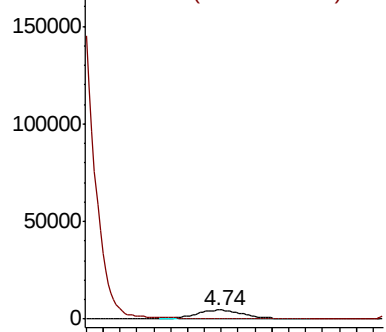
Tert butyl alcohol  
 Concen: 24.970 ug/l  
 RT: 4.74 min Scan# 922  
 Delta R.T. -0.07 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-1(9.5-10.0)

Tot Ion: 59 Resp: 19135  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.8 11.6#



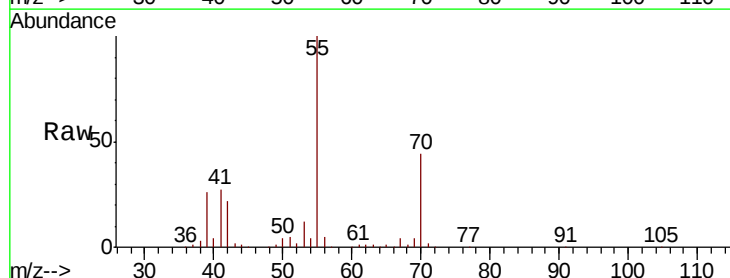
Abundance Ion 59.00 (58.70 to 59.70): VN0  
 Ion 57.00 (56.70 to 57.70): VN0



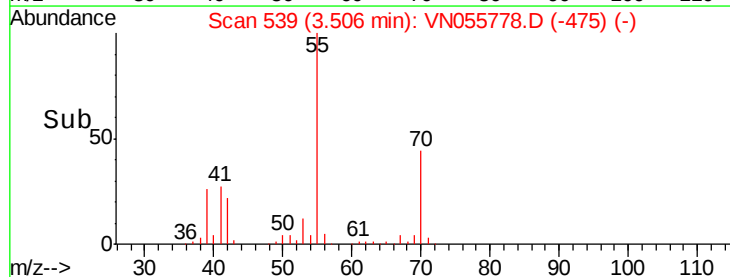
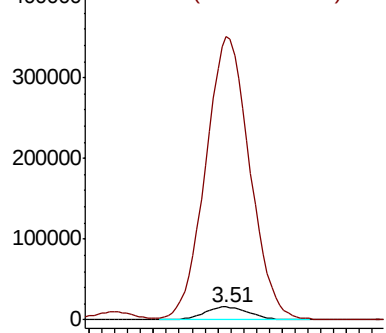
#13

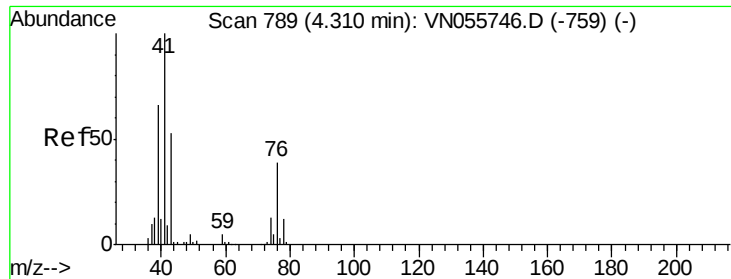
Acrolein  
 Concen: 69.073 ug/l  
 RT: 3.51 min Scan# 539  
 Delta R.T. -0.09 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion: 56 Resp: 37901  
 Ion Ratio Lower Upper  
 56 100  
 55 2206.8 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0  
 Ion 55.00 (54.70 to 55.70): VN0

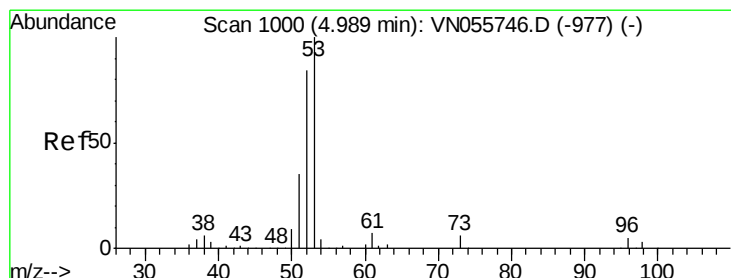
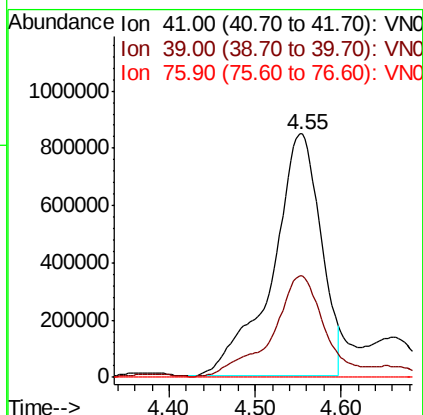
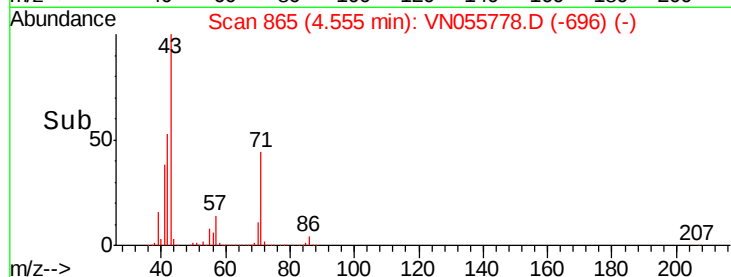
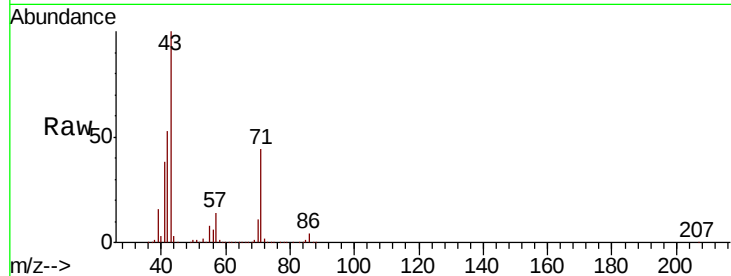




#14  
Allvl chloride  
Concen: 587.076 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.24 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

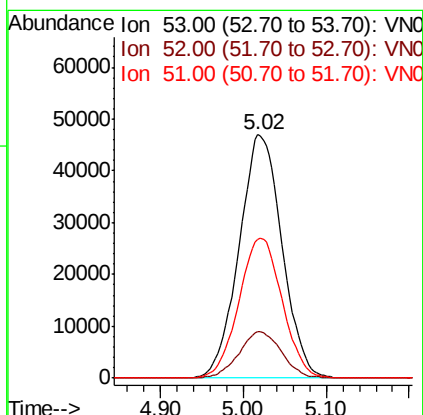
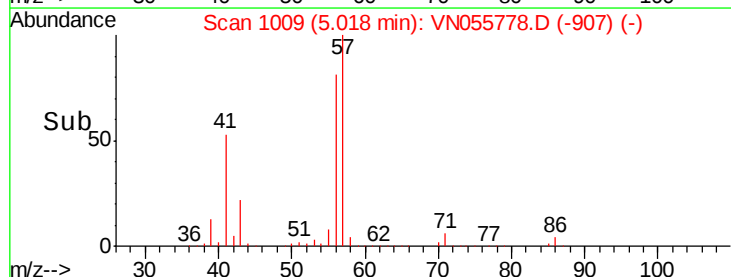
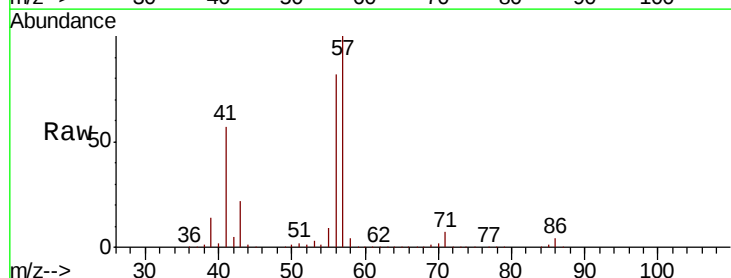
Instrument :  
MSVOA\_N  
ClientSampled :  
P-1(9.5-10.0)

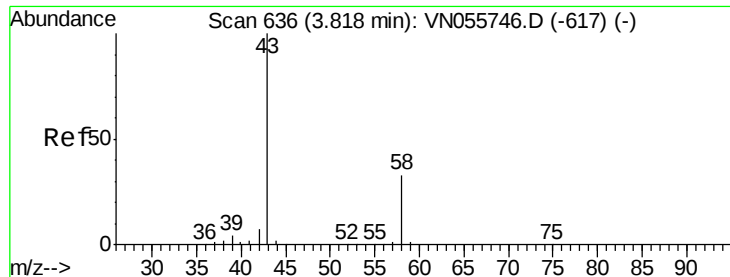
Tot Ion: 41 Resp: 3324099  
Ion Ratio Lower Upper  
41 100  
39 41.6 50.0 75.0#  
76 0.0 28.2 42.2#



#15  
Acrylonitrile  
Concen: 95.778 ug/l  
RT: 5.02 min Scan# 1009  
Delta R.T. 0.03 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

Tgt Ion: 53 Resp: 168535  
Ion Ratio Lower Upper  
53 100  
52 18.9 65.8 98.8#  
51 58.1 28.2 42.4#





#16

Acetone

Concen: 157.367 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.07 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

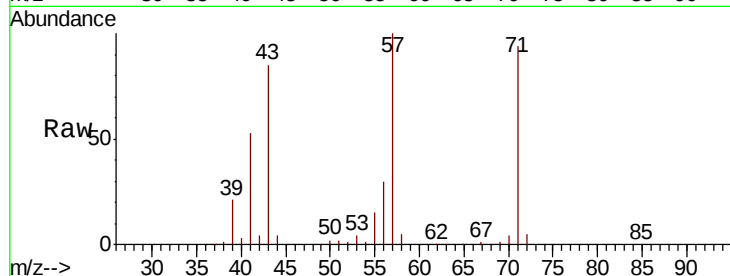
P-1(9.5-10.0)

Tot Ion: 43 Resp: 277439

Ion Ratio Lower Upper

43 100

58 5.5 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.74

100000

80000

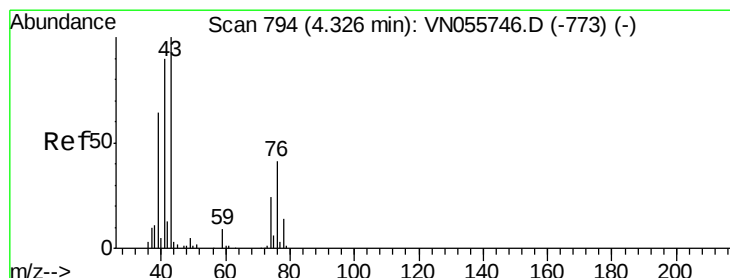
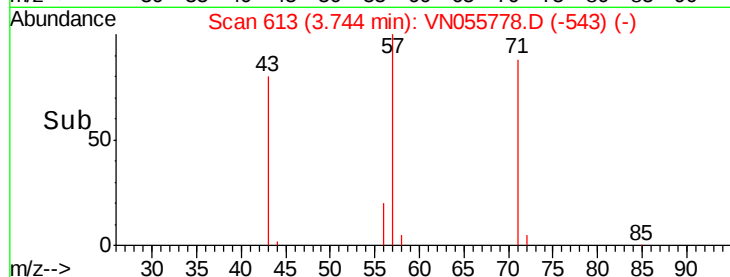
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 2544.307 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN055778.D

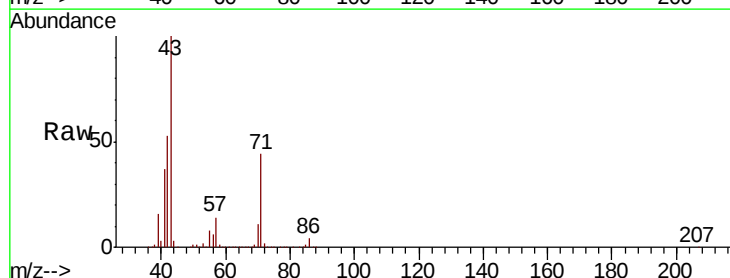
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 8893134

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.55

2500000

2000000

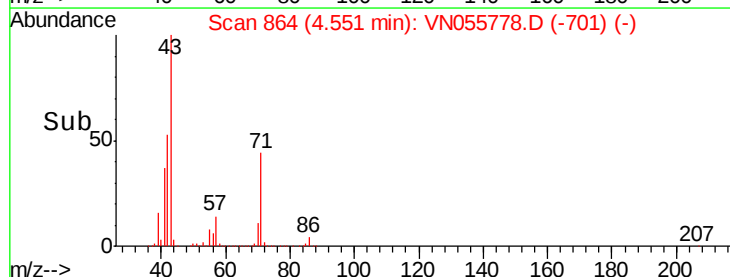
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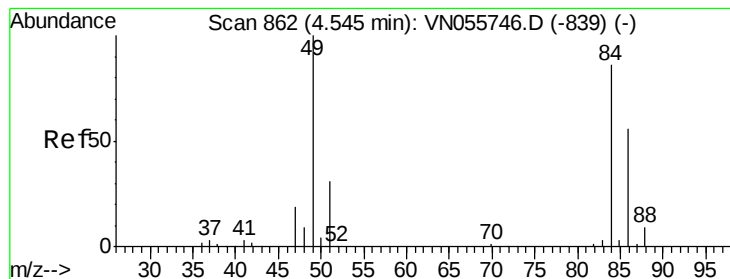
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Time-->





#20

Methylene Chloride

Concen: 75.127 ug/l

RT: 4.66 min Scan# 898

Delta R.T. 0.12 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

Tot Ion: 84 Resp: 286840

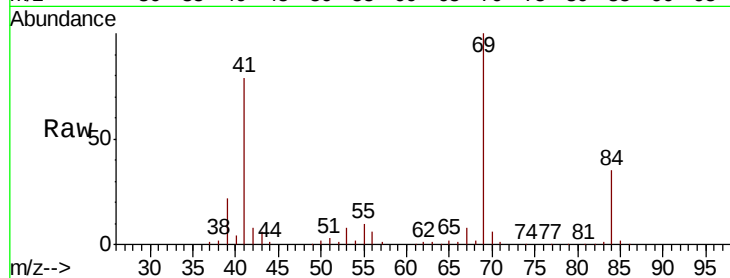
Ion Ratio Lower Upper

84 100

49 0.6 93.5 140.3#

51 9.1 28.6 43.0#

86 0.3 52.6 79.0#

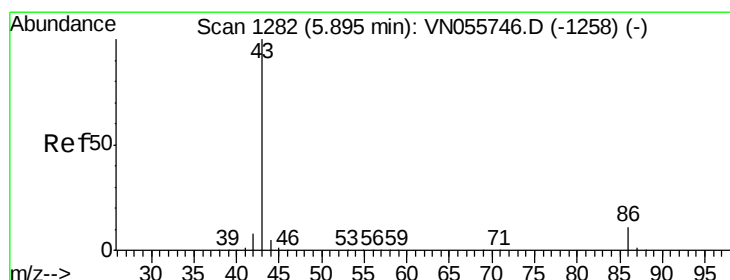
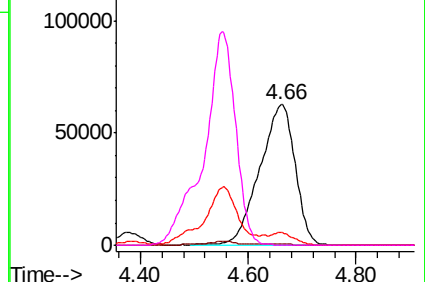
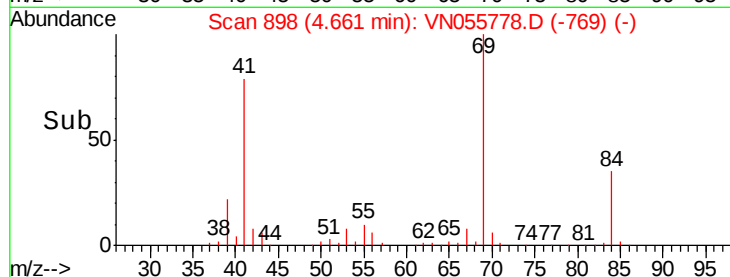


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#23

Vinyl Acetate

Concen: 8.594 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN055778.D

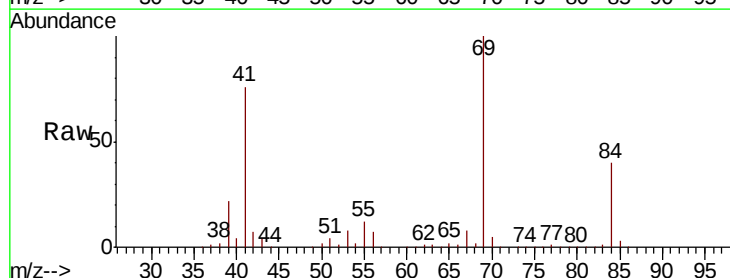
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 81147

Ion Ratio Lower Upper

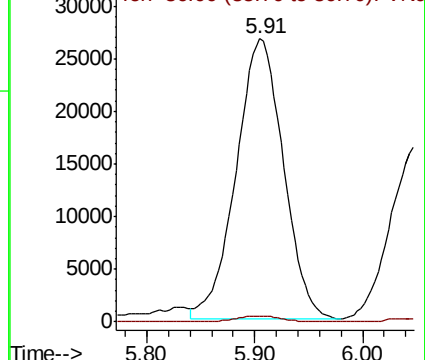
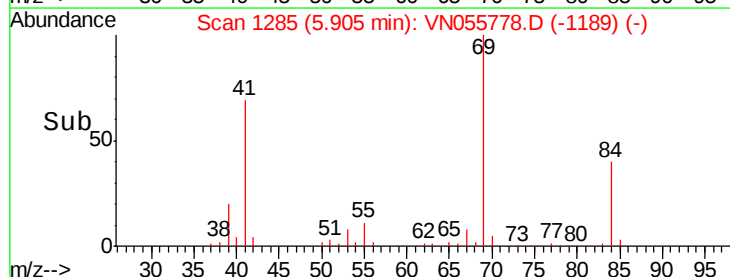
43 100

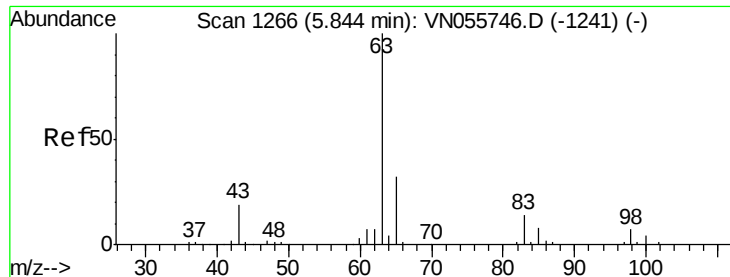
86 2.1 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC





#24

1,1-Dichloroethane

Concen: 4.140 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.06 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

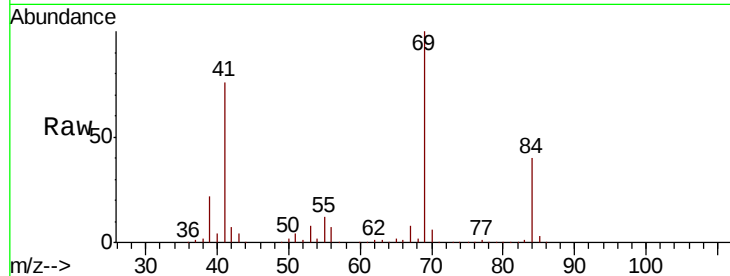
Tot Ion: 63 Resp: 26547

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

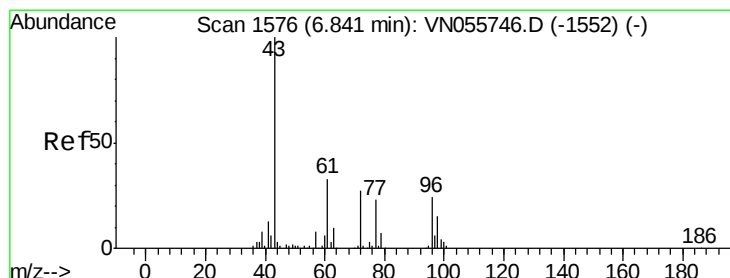
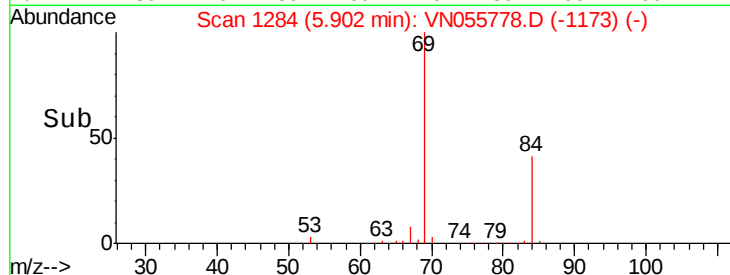
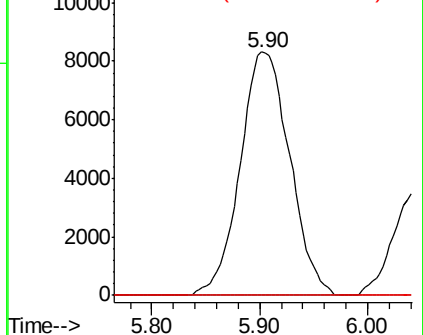
100 0.0 2.2 6.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 32.974 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.04 min

Lab File: VN055778.D

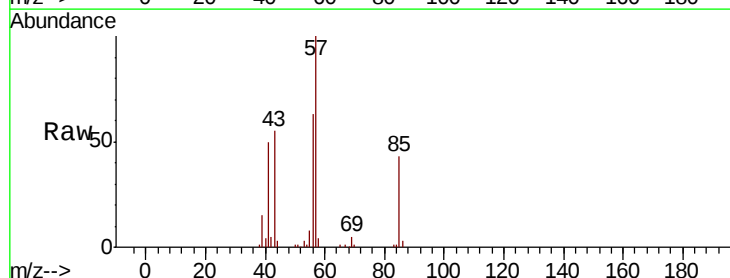
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 81189

Ion Ratio Lower Upper

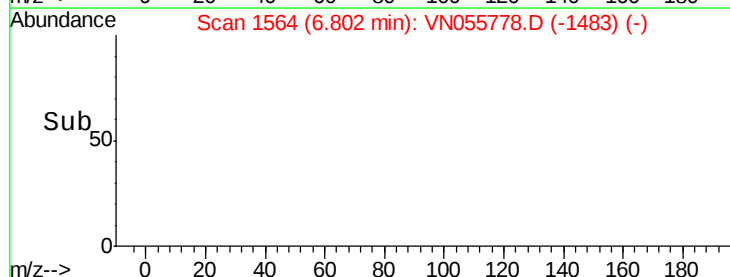
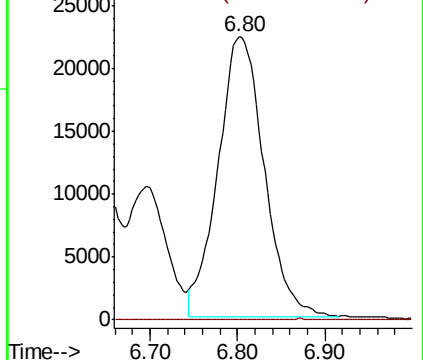
43 100

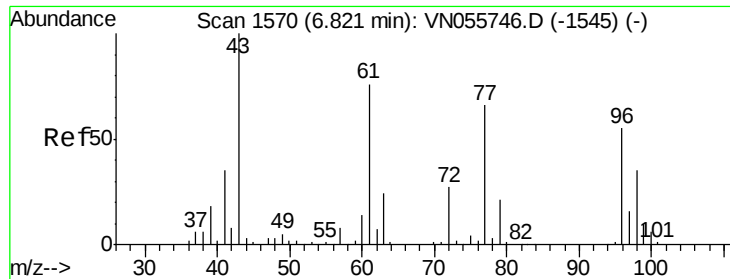
72 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

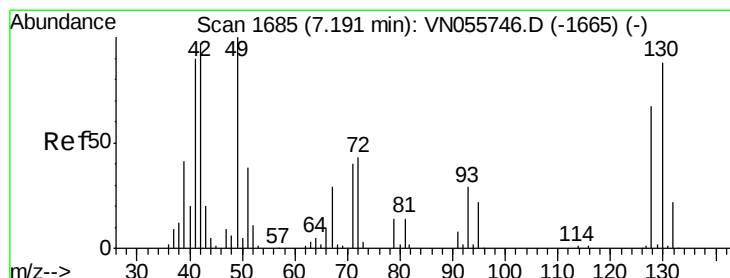
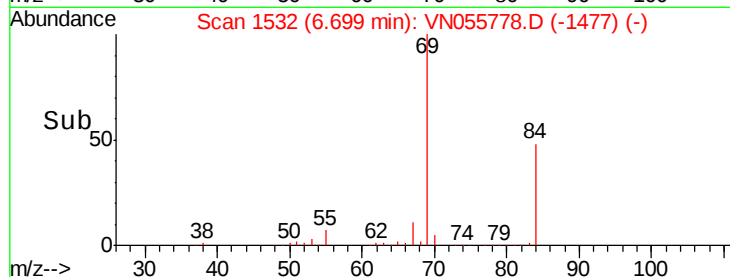
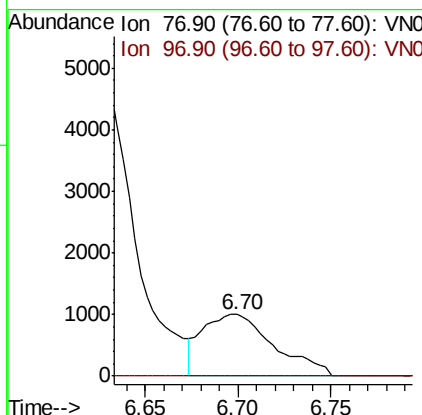
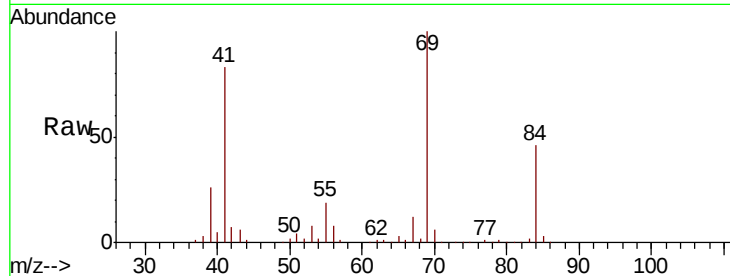




#26  
 2,2-Dichloropropane  
 Concen: 0.485 ug/l  
 RT: 6.70 min Scan# 1532  
 Delta R.T. -0.12 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

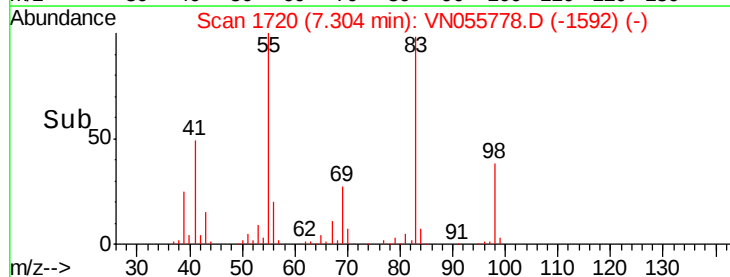
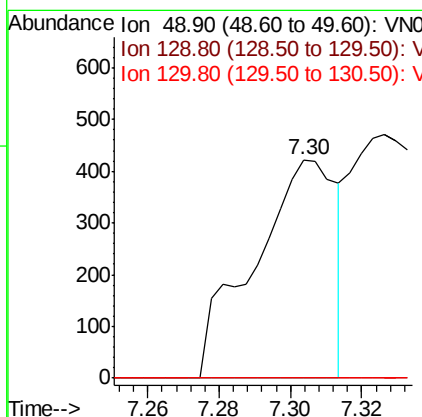
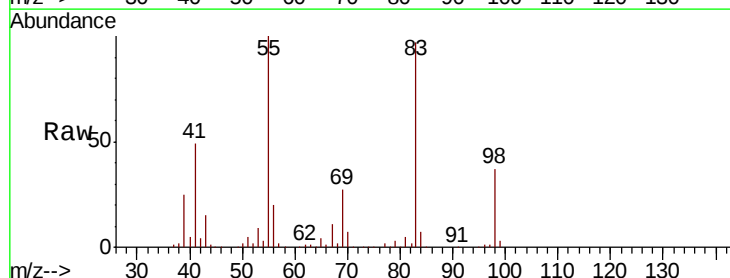
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 P-1(9.5-10.0)

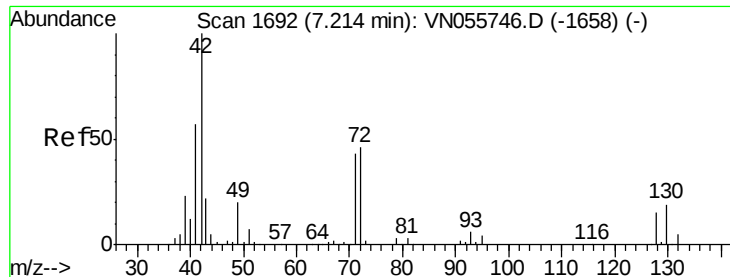
Tot Ion: 77 Resp: 2693  
 Ion Ratio Lower Upper  
 77 100  
 97 0.0 12.2 36.6#



#28  
 Bromochloromethane  
 Concen: 0.221 ug/l  
 RT: 7.30 min Scan# 1720  
 Delta R.T. 0.11 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion: 49 Resp: 675  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 4.4  
 130 0.0 71.2 106.8#





#29

Tetrahydrofuran

Concen: 8.298 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

P-1(9.5-10.0)

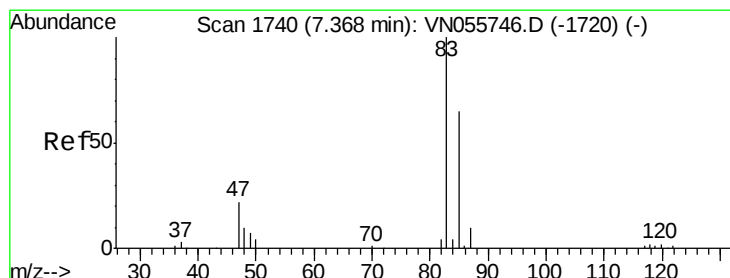
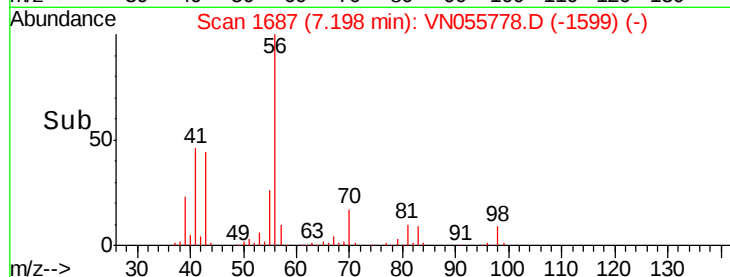
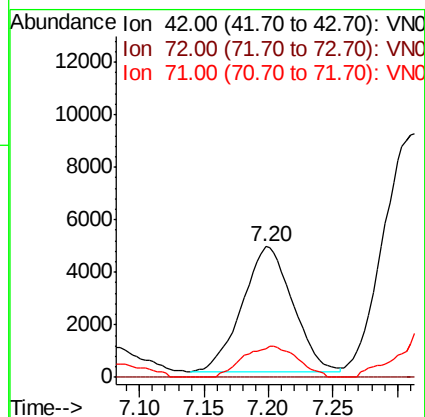
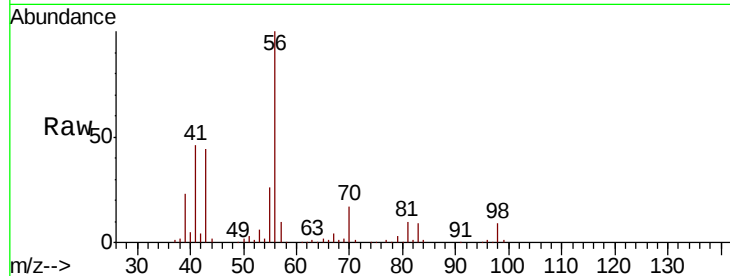
Tot Ion: 42 Resp: 12938

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 34.0 51.0#



#30

Chloroform

Concen: 108.145 ug/l

RT: 7.32 min Scan# 1724

Delta R.T. -0.05 min

Lab File: VN055778.D

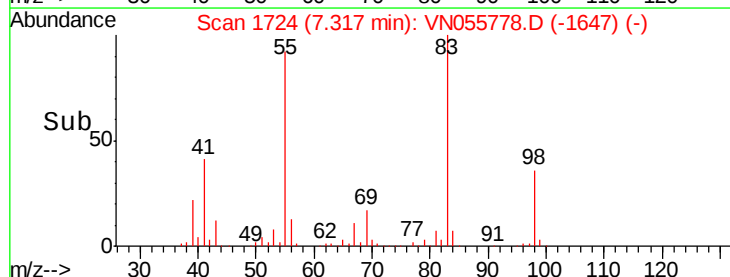
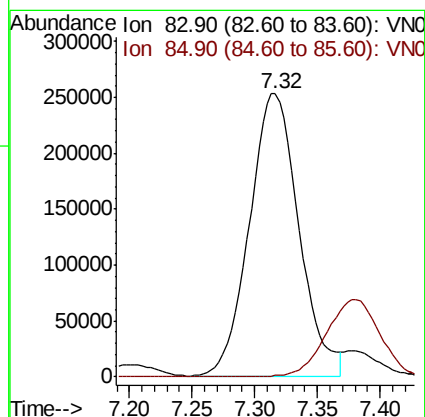
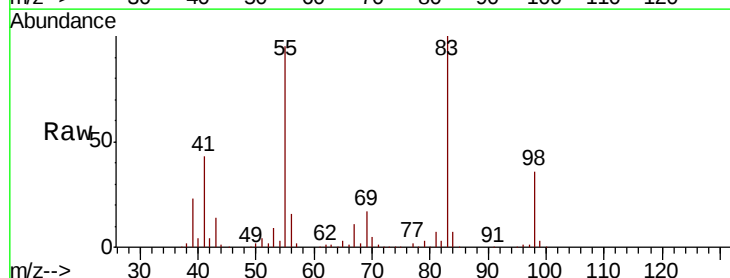
Acq: 24 May 2019 1:33

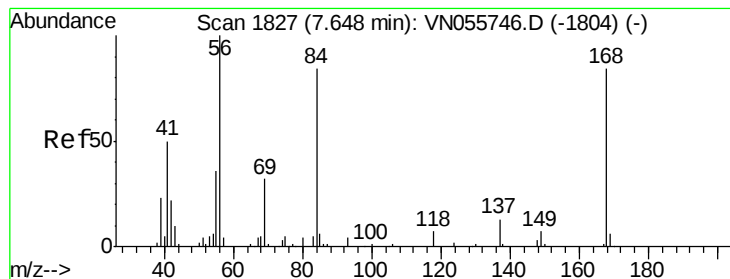
Tgt Ion: 83 Resp: 691531

Ion Ratio Lower Upper

83 100

85 0.4 51.8 77.8#





#31

Cyclohexane

Concen: 566.962 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

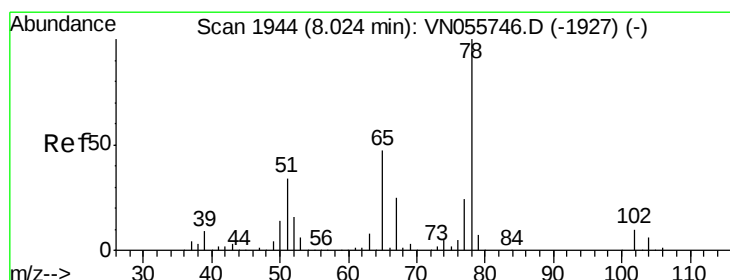
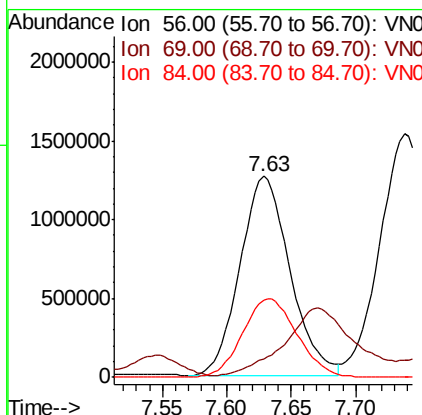
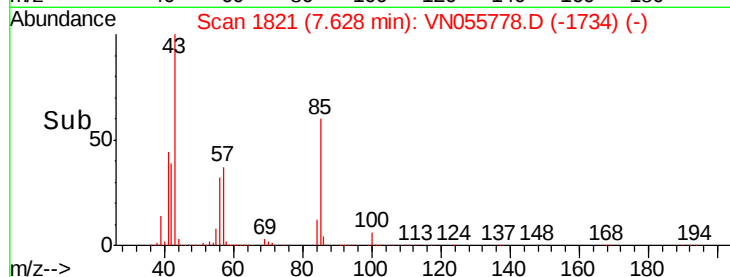
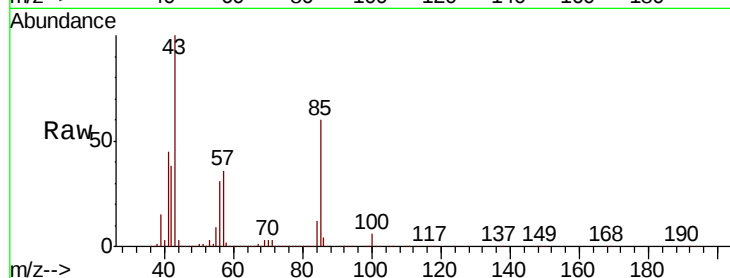
Tot Ion: 56 Resp: 3413043

Ion Ratio Lower Upper

56 100

69 5.2 25.6 38.4#

84 38.8 67.4 101.0#



#33

1,2-Dichloroethane-d4

Concen: 44.005 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055778.D

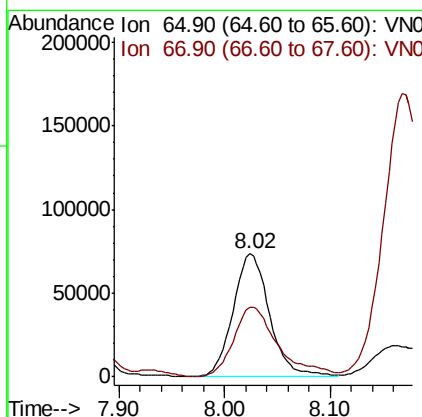
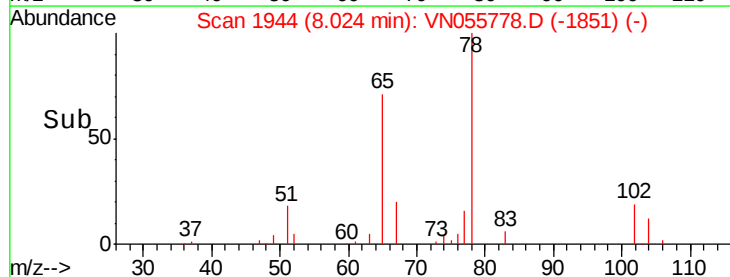
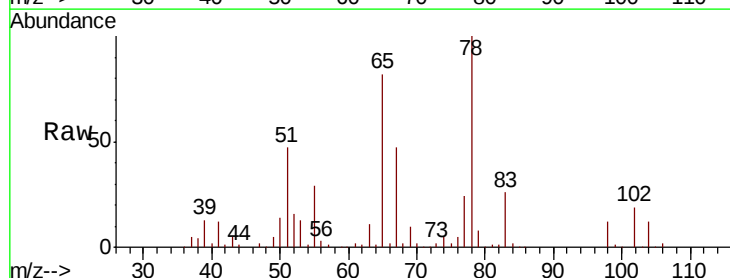
Acq: 24 May 2019 1:33

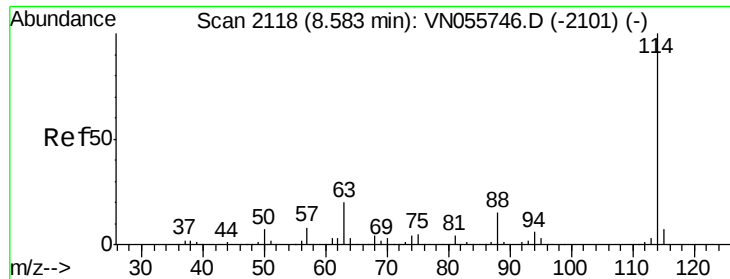
Tgt Ion: 65 Resp: 176491

Ion Ratio Lower Upper

65 100

67 68.5 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

P-1(9.5-10.0)

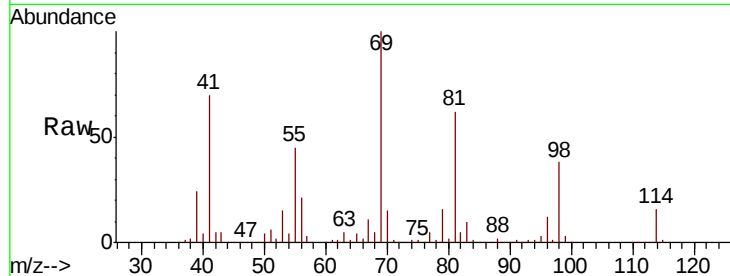
Tot Ion:114 Resp: 533014

Ion Ratio Lower Upper

114 100

63 29.0 0.0 39.2

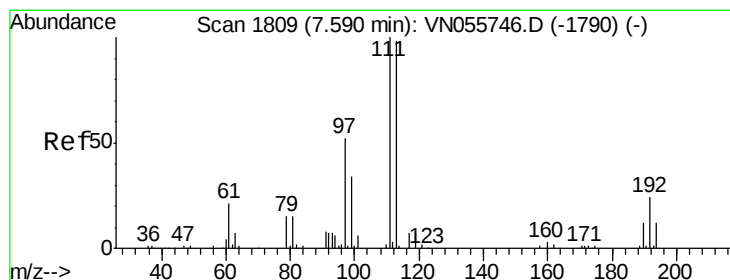
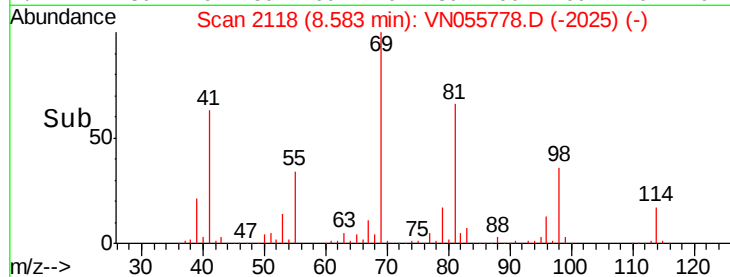
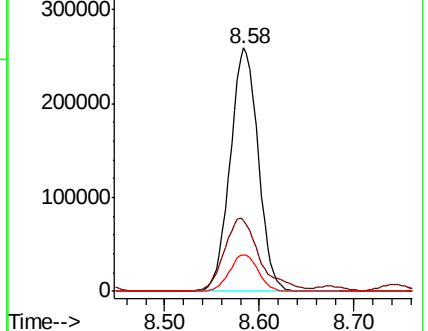
88 15.1 0.0 31.0



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: 47.672 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

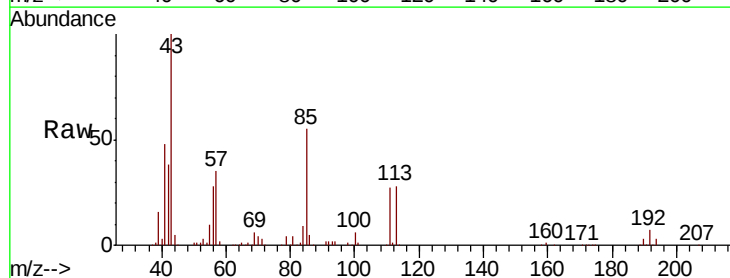
Tgt Ion:113 Resp: 160651

Ion Ratio Lower Upper

113 100

111 100.4 81.9 122.9

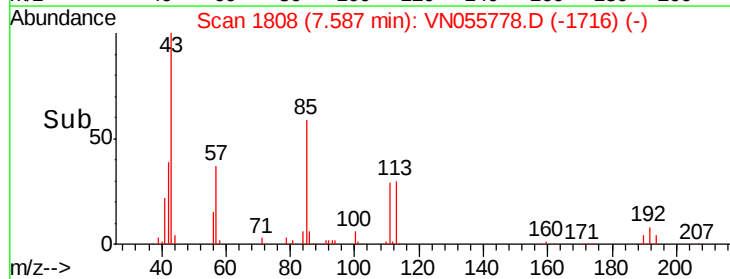
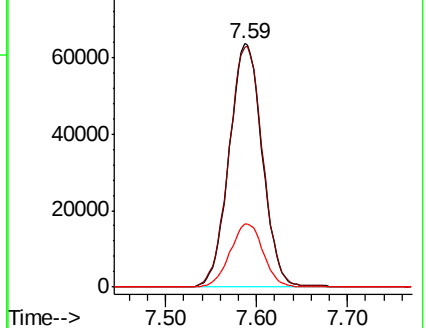
192 25.8 19.5 29.3

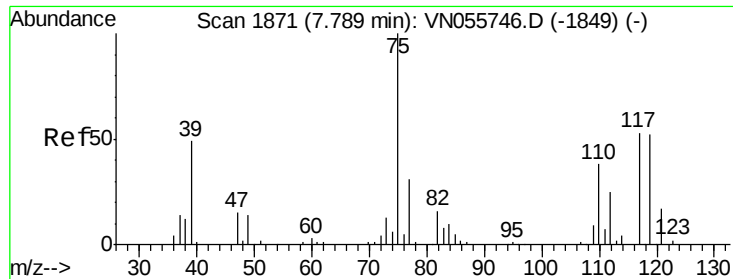


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

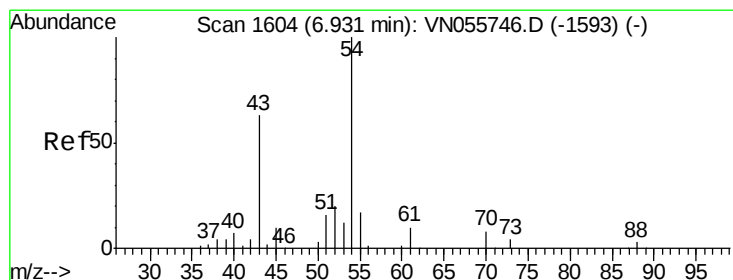
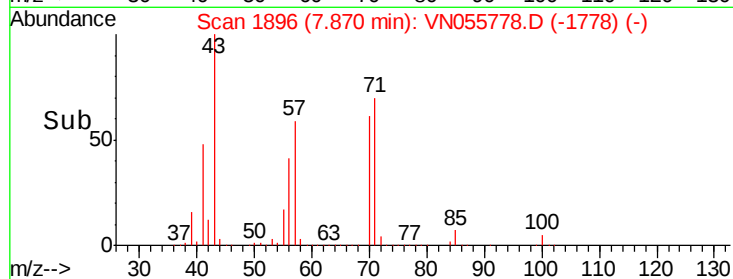
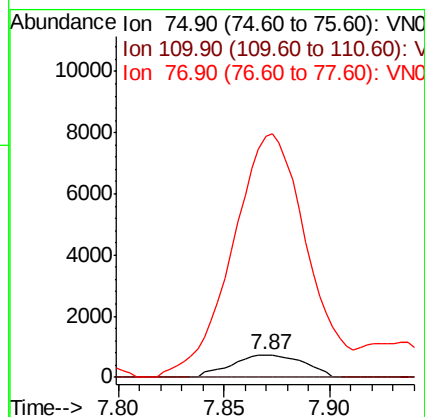
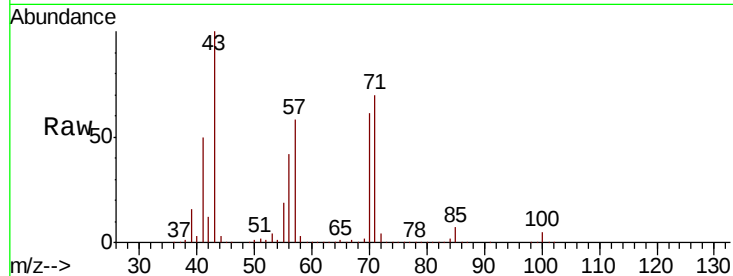




#36  
 1,1-Dichloropropene  
 Concen: 0.374 ug/l  
 RT: 7.87 min Scan# 1896  
 Delta R.T. 0.08 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

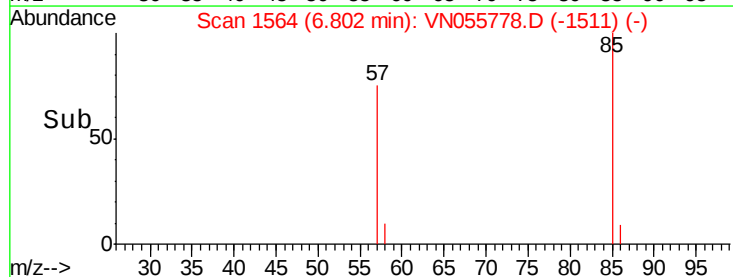
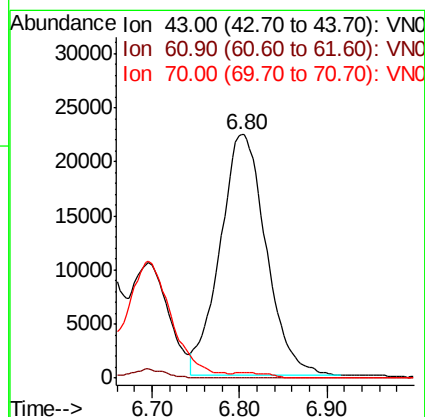
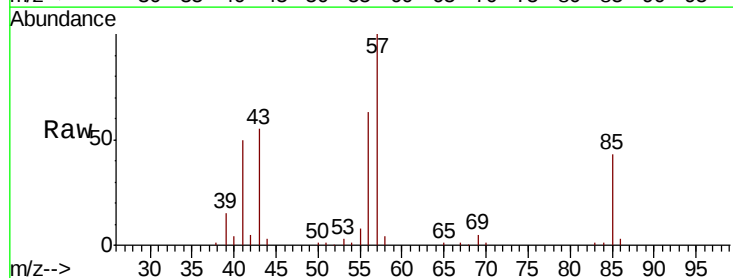
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 P-1(9.5-10.0)

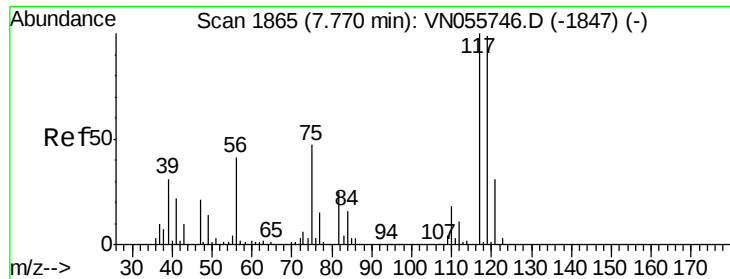
Tot Ion: 75 Resp: 1739  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 19.0 57.0#  
 77 1123.7 25.1 37.7#



#37  
 Ethyl Acetate  
 Concen: 18.085 ug/l  
 RT: 6.80 min Scan# 1564  
 Delta R.T. -0.13 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 81189  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 12.2 18.2#  
 70 0.0 8.9 13.3#





#38

Carbon Tetrachloride

Concen: 6.393 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

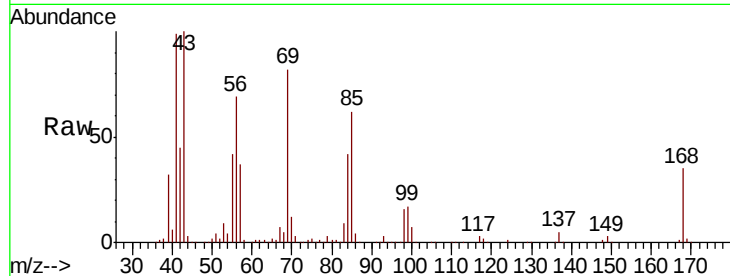
Tot Ion:117 Resp: 30930

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

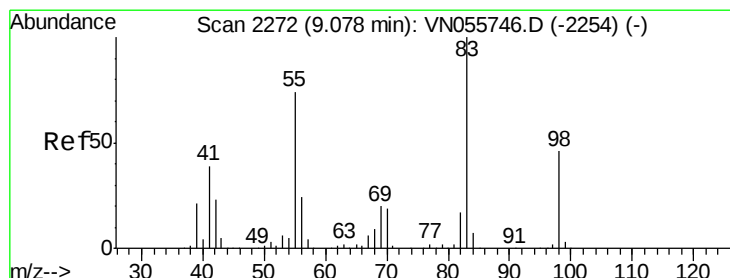
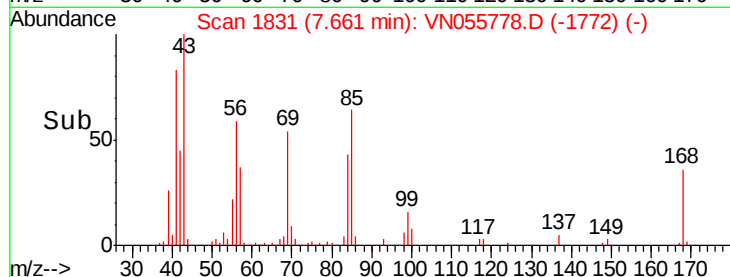
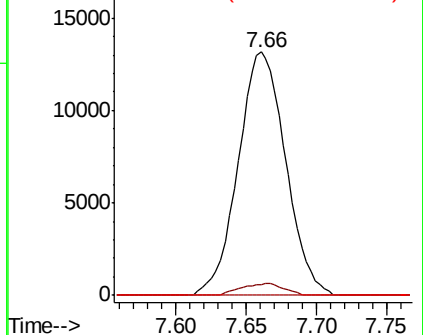
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 611.607 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

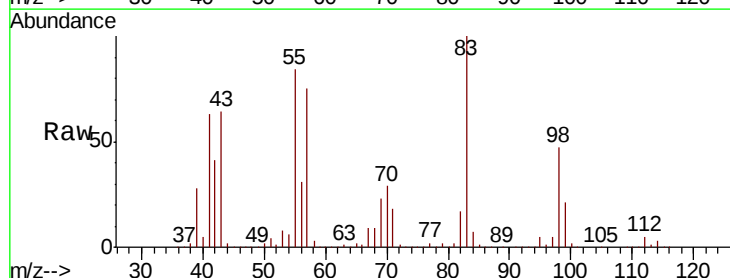
Tgt Ion: 83 Resp: 3517969

Ion Ratio Lower Upper

83 100

55 83.9 59.3 88.9

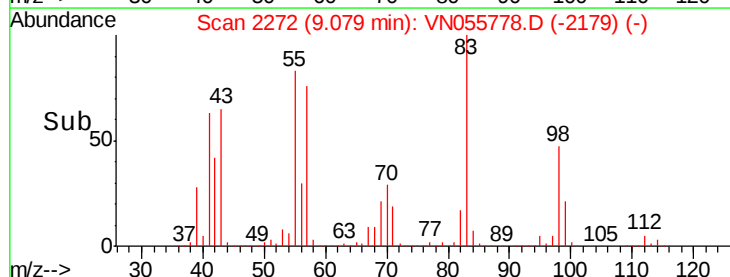
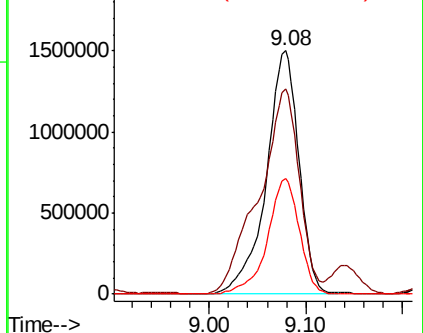
98 47.5 36.6 54.8

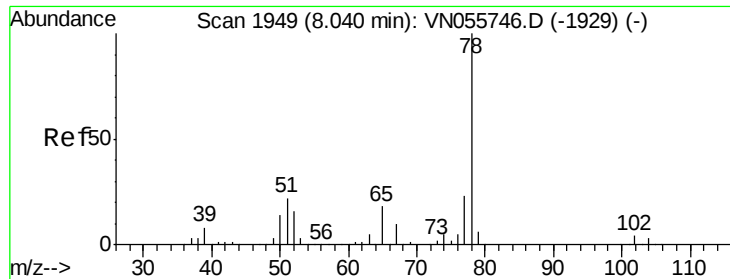


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 21.093 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

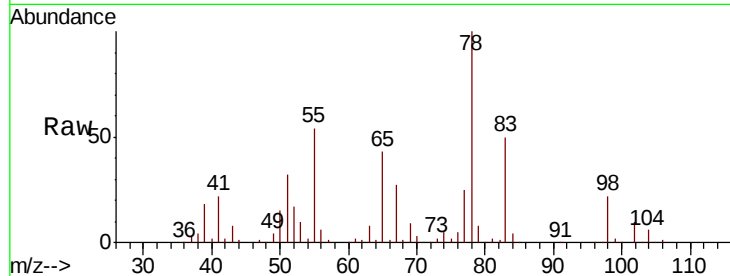
P-1(9.5-10.0)

Tot Ion: 78 Resp: 295288

Ion Ratio Lower Upper

78 100

77 24.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN055746.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-1929) (-)

8.04

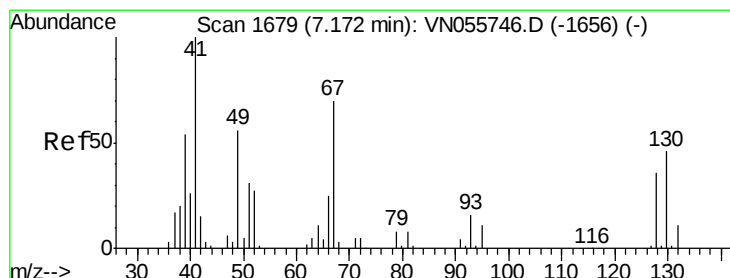
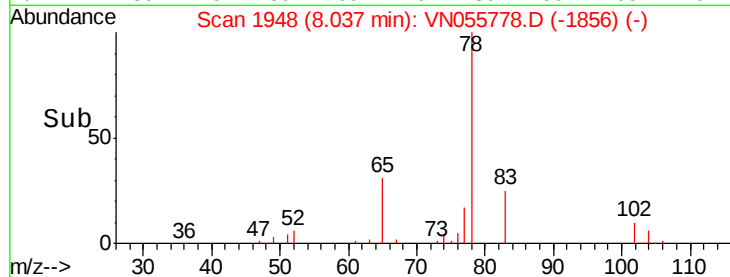
150000

100000

50000

0

Time-->



#41

Methacrylonitrile

Concen: 68.844 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.03 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Tgt Ion: 41 Resp: 156143

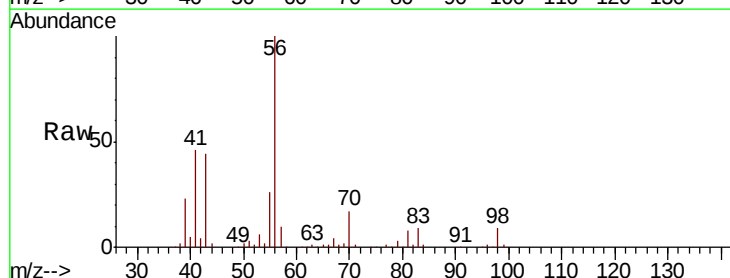
Ion Ratio Lower Upper

41 100

39 49.7 45.6 68.4

67 0.0 67.7 101.5#

52 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-1656) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-1656) (-)

Ion 67.00 (66.70 to 67.70): VN055746.D (-1656) (-)

Ion 52.00 (51.70 to 52.70): VN055746.D (-1656) (-)

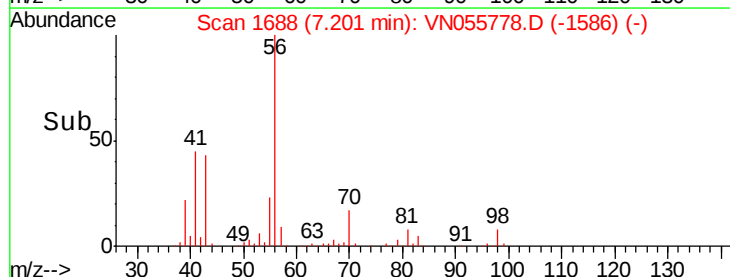
150000

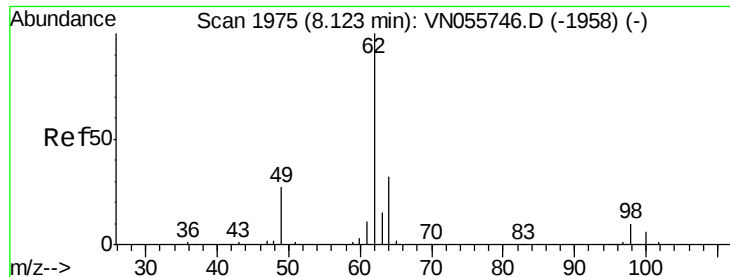
100000

50000

0

Time-->





#42

1,2-Dichloroethane

Concen: 1.673 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.03 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

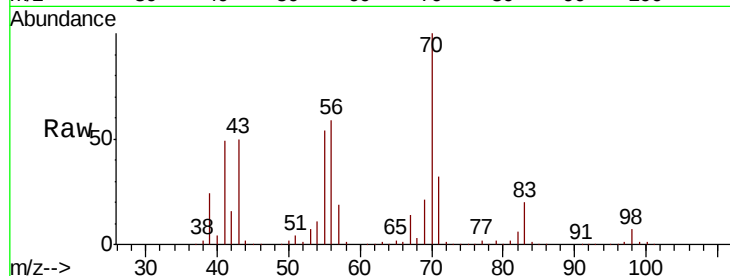
P-1(9.5-10.0)

Tot Ion: 62 Resp: 7655

Ion Ratio Lower Upper

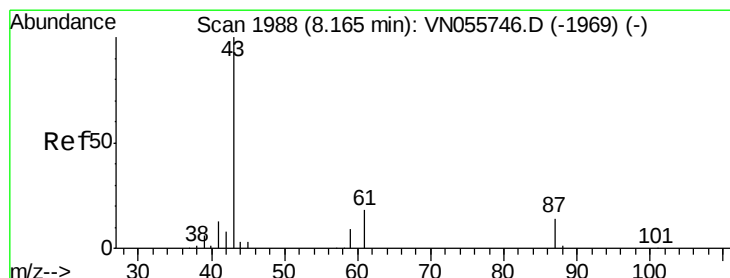
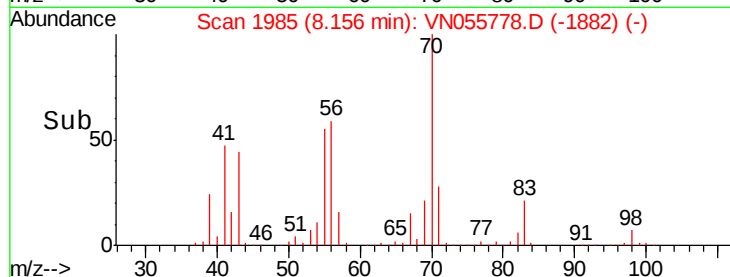
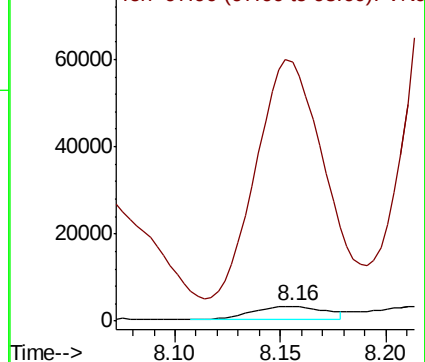
62 100

98 1595.9 0.0 20.2#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#43

Isopropyl Acetate

Concen: 181.087 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

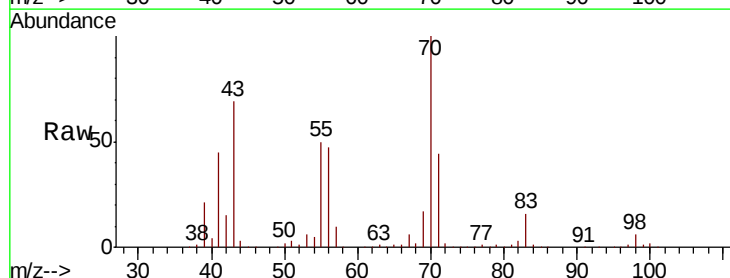
Tgt Ion: 43 Resp: 1365931

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

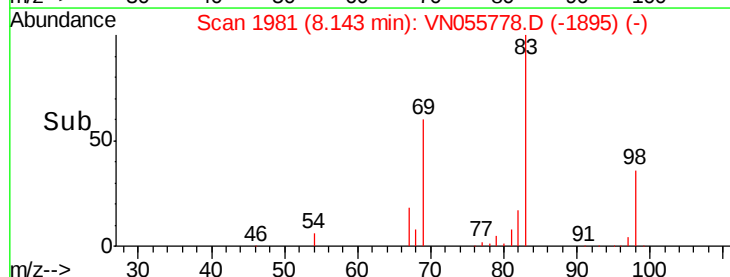
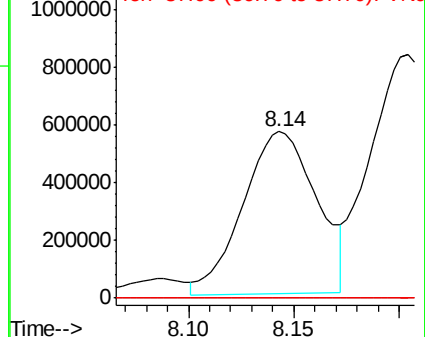
87 0.0 11.4 17.2#

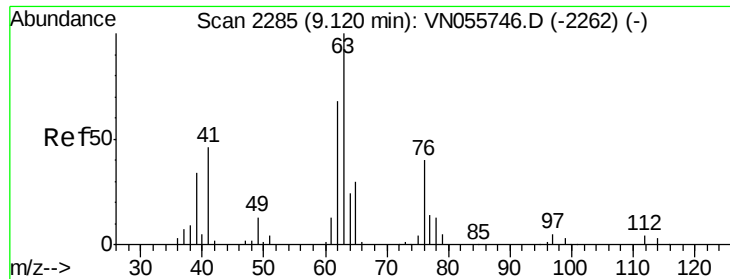


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 2.265 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. 0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

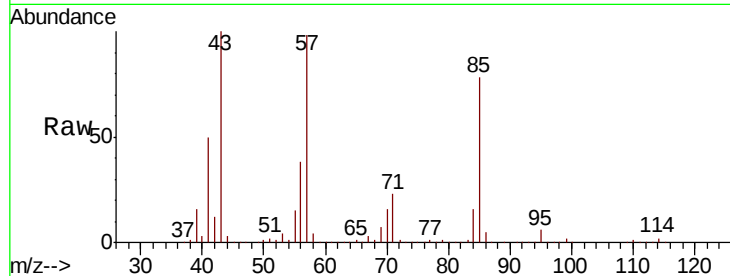
P-1(9.5-10.0)

Tot Ion: 63 Resp: 8260

Ion Ratio Lower Upper

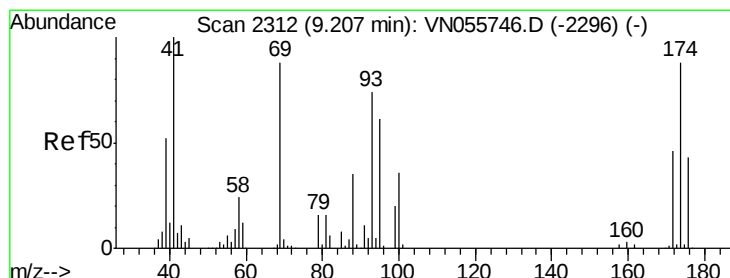
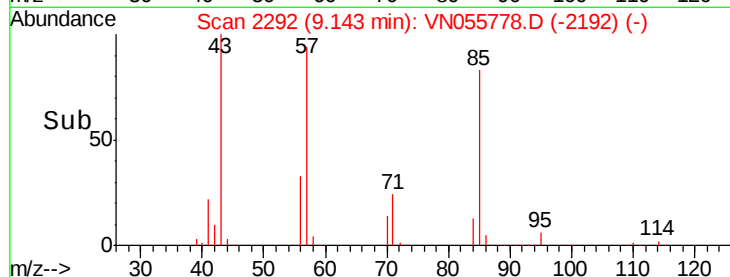
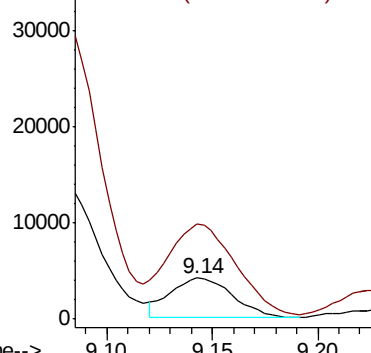
63 100

65 228.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.764 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

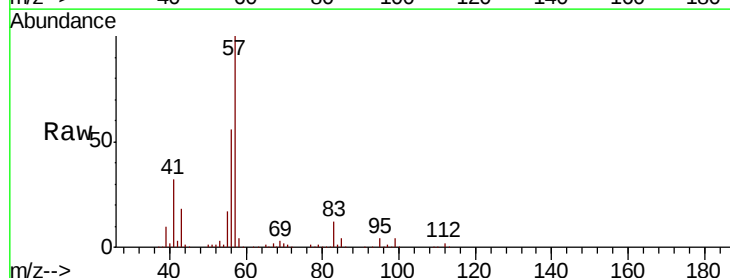
Tgt Ion: 93 Resp: 1828

Ion Ratio Lower Upper

93 100

95 1060.3 66.7 100.1#

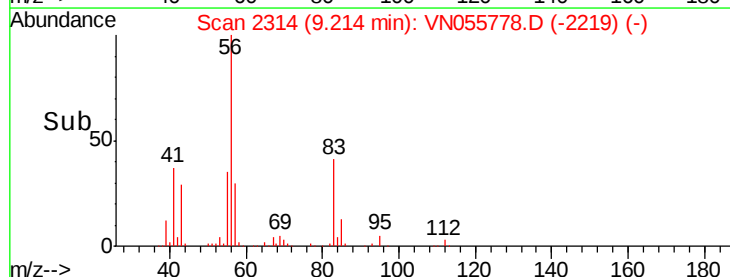
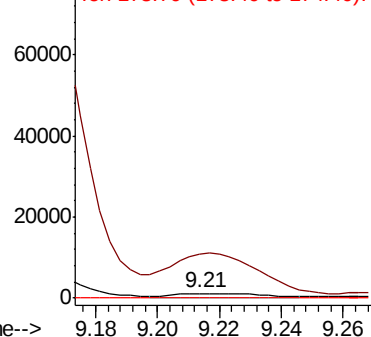
174 0.0 96.4 144.6#

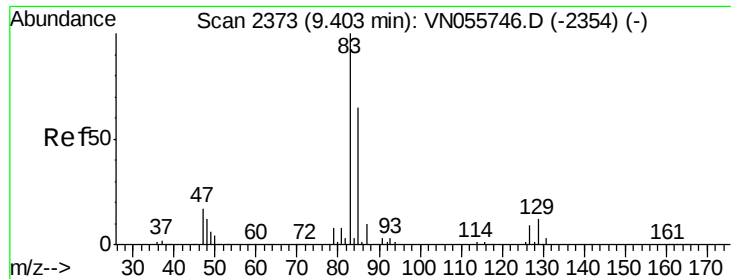


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 188.415 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

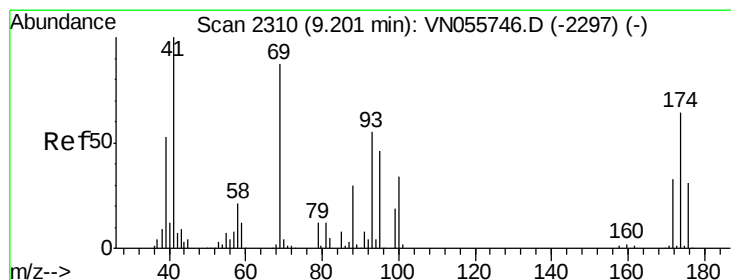
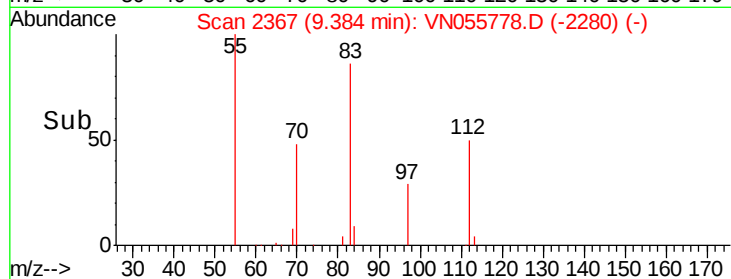
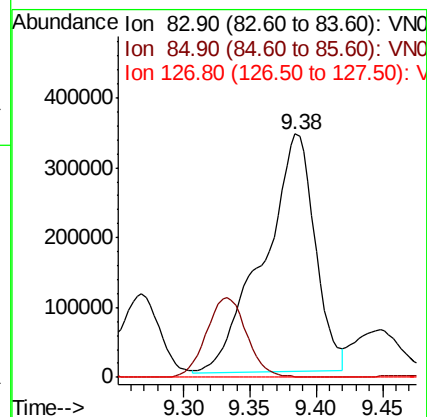
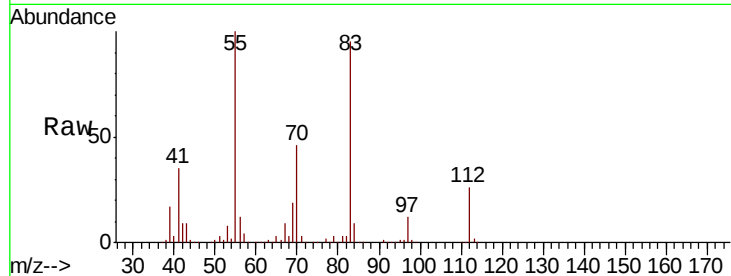
Tot Ion: 83 Resp: 924144

Ion Ratio Lower Upper

83 100

85 0.3 52.2 78.2#

127 0.0 7.4 11.0#



#48

Methyl methacrylate

Concen: 49.682 ug/l

RT: 9.22 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

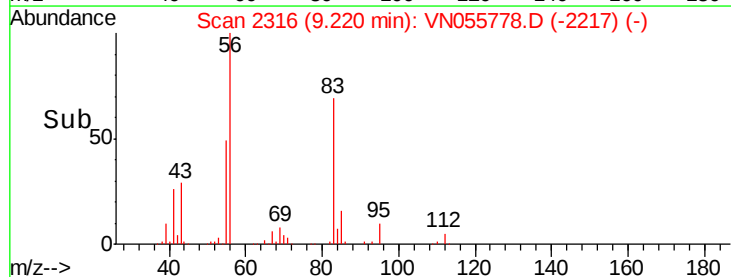
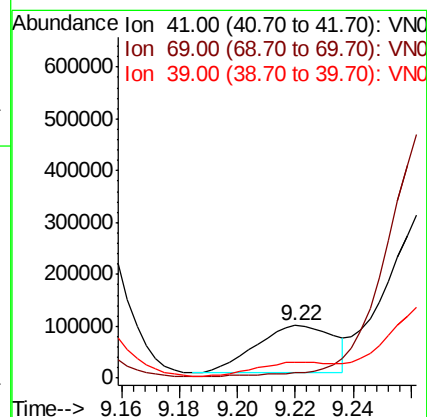
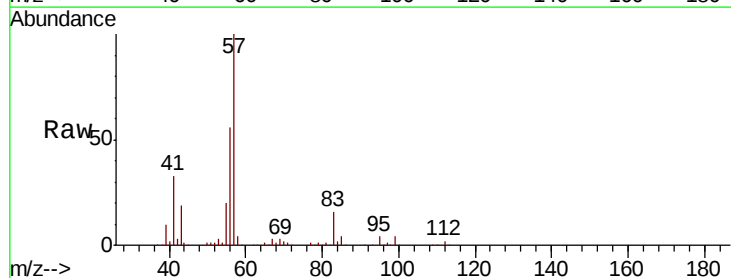
Tgt Ion: 41 Resp: 172713

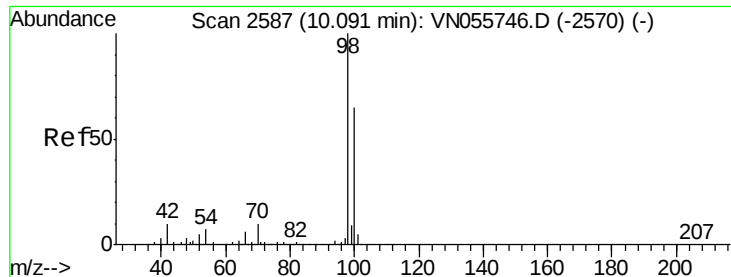
Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

39 26.9 44.2 66.2#





#50

Toluene-d8

Concen: 61.104 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

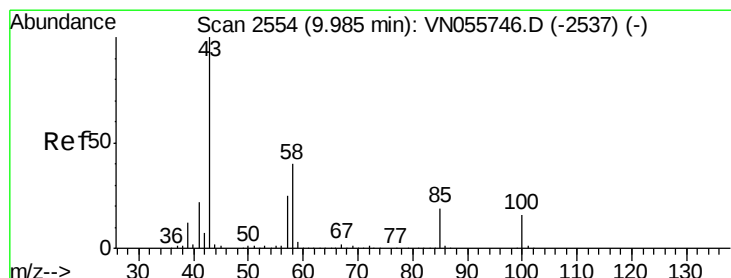
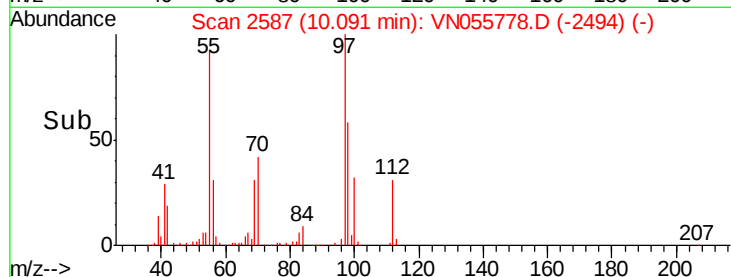
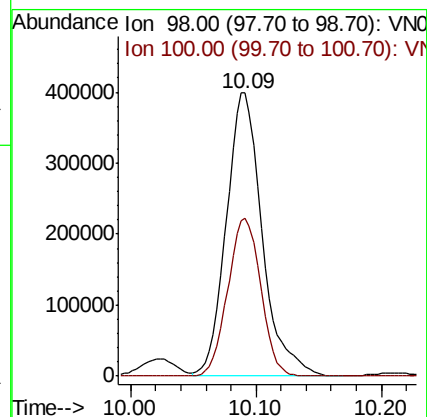
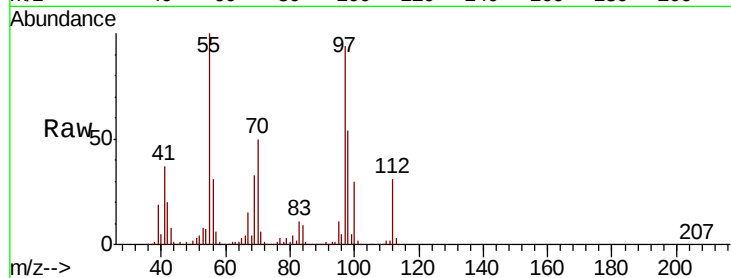
P-1(9.5-10.0)

Tot Ion: 98 Resp: 789871

Ion Ratio Lower Upper

98 100

100 51.3 51.9 77.9#



#51

4-Methyl-2-Pentanone

Concen: 94.221 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN055778.D

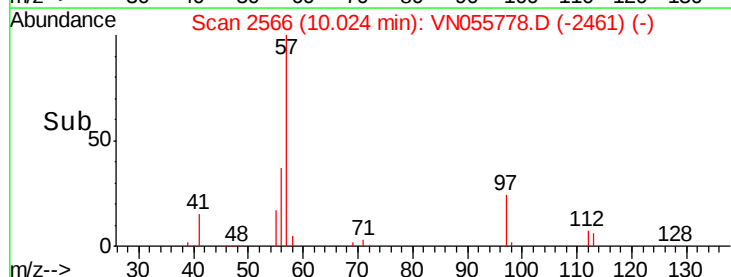
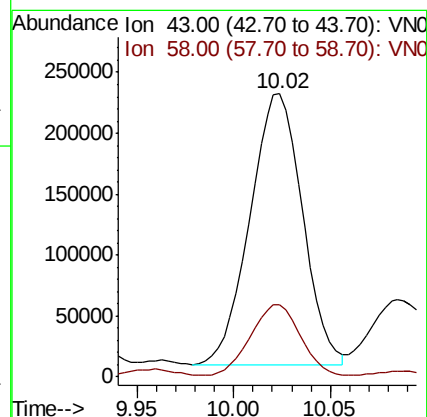
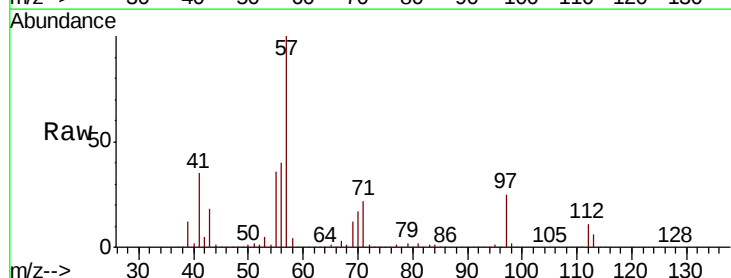
Acq: 24 May 2019 1:33

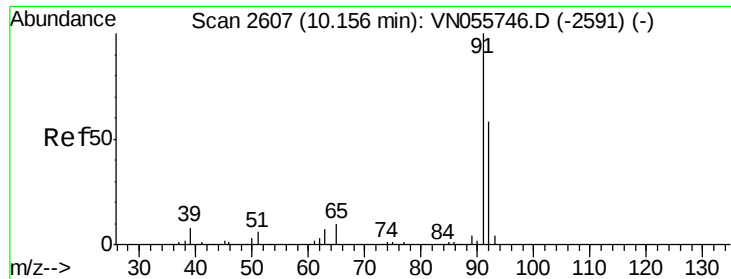
Tgt Ion: 43 Resp: 419744

Ion Ratio Lower Upper

43 100

58 24.8 32.1 48.1#





#52

Toluene

Concen: 17.403 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

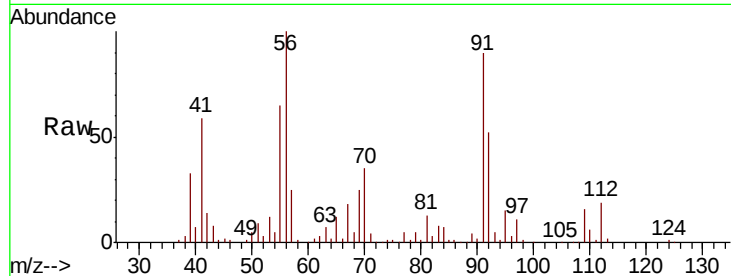
P-1(9.5-10.0)

Tot Ion: 92 Resp: 153225

Ion Ratio Lower Upper

92 100

91 173.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

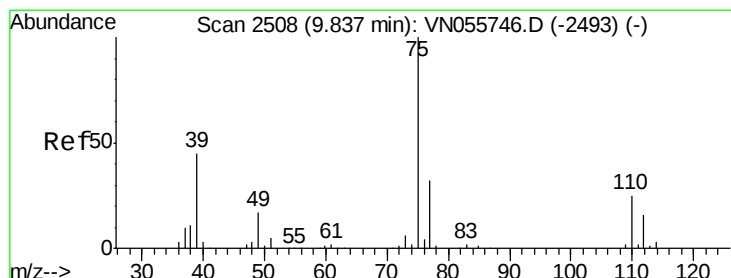
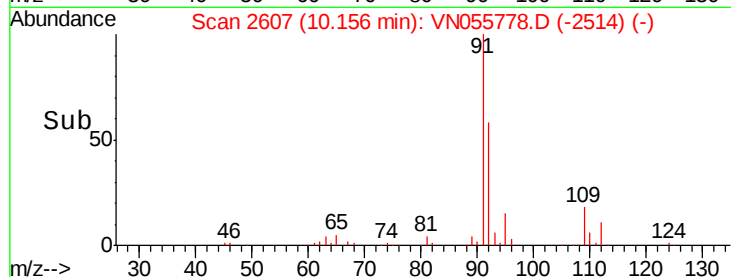
50000

0

10.10

10.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.299 ug/l

RT: 9.87 min Scan# 2518

Delta R.T. 0.03 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

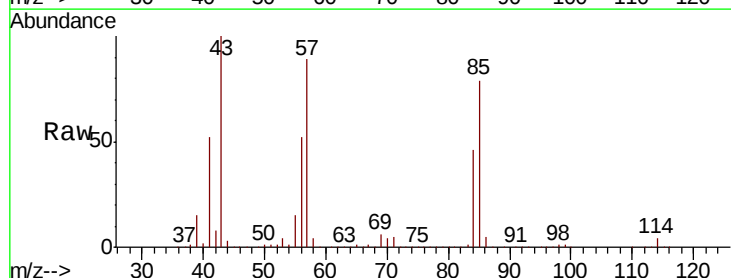
Tgt Ion: 75 Resp: 1733

Ion Ratio Lower Upper

75 100

77 1094.2 25.4 38.0#

39 68997.8 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

600000

500000

400000

300000

200000

100000

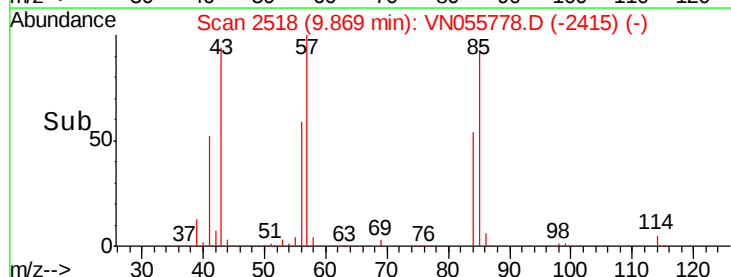
0

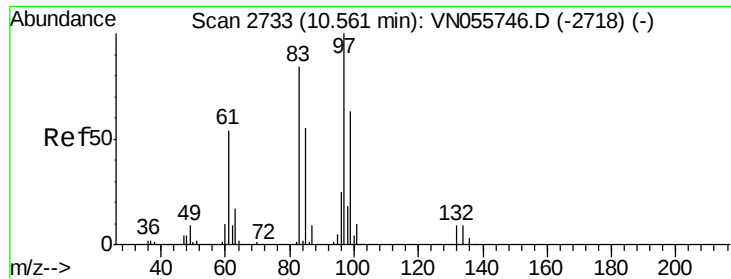
9.80

9.85

9.90

Time-->



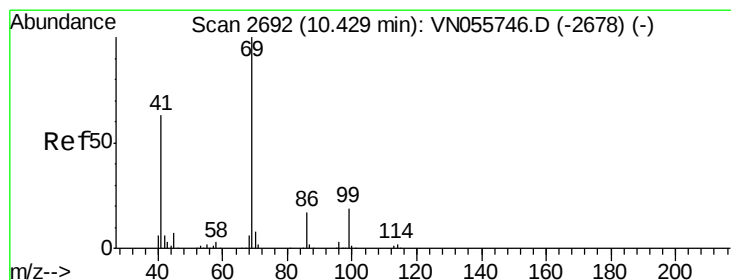
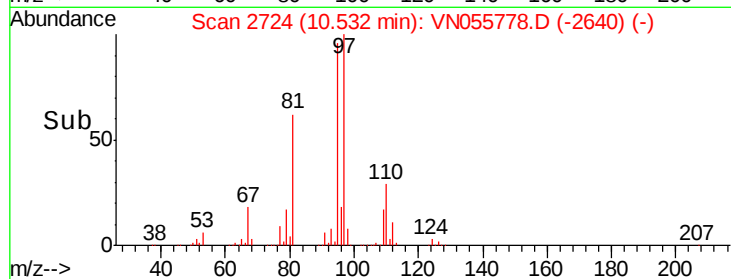
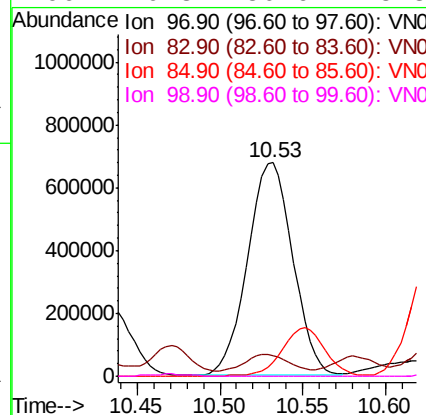
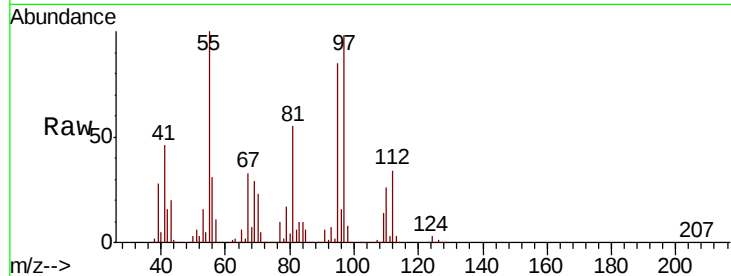


#55  
 1,1,2-Trichloroethane  
 Concen: 363.479 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.03 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 P-1(9.5-10.0)

Tot Ion: 97 Resp: 1282048

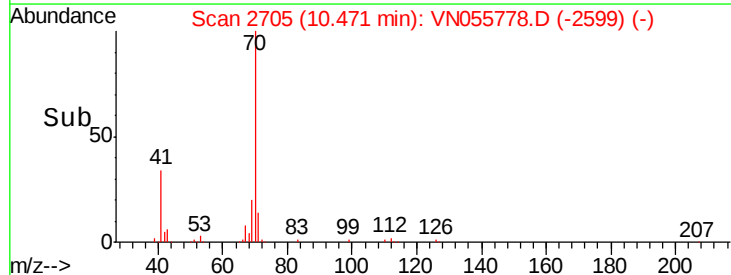
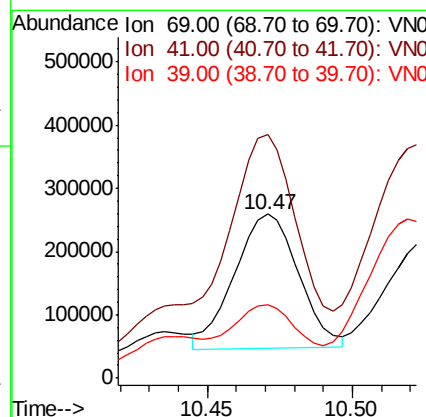
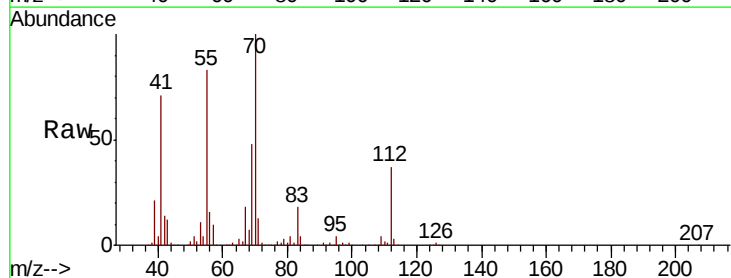
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 83  | 2.5   | 67.0  | 100.6# |
| 85  | 6.2   | 44.0  | 66.0#  |
| 99  | 0.3   | 50.6  | 75.8#  |

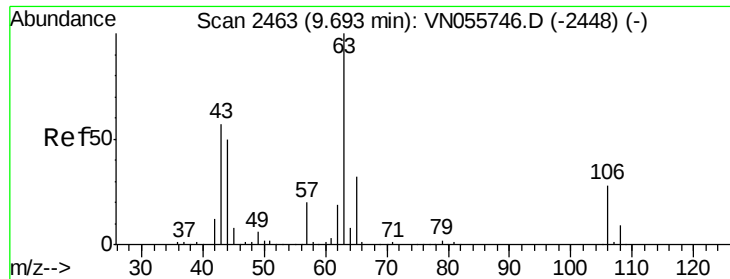


#56  
 Ethyl methacrylate  
 Concen: 59.426 ug/l  
 RT: 10.47 min Scan# 2705  
 Delta R.T. 0.04 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion: 69 Resp: 323939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 214.7 | 49.7  | 74.5# |
| 39  | 44.7  | 24.7  | 37.1# |





#58

2-Chloroethyl Vinyl ether

Concen: 12.680 ug/l

RT: 9.67 min Scan# 2456

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

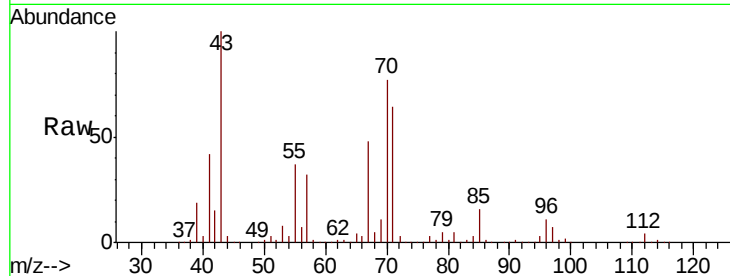
P-1(9.5-10.0)

Tot Ion: 63 Resp: 26416

Ion Ratio Lower Upper

63 100

106 0.0 22.7 34.1#



Abundance Ion 62.90 (62.60 to 63.60): VN055778.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055778.D (-2370) (-)

40000

30000

20000

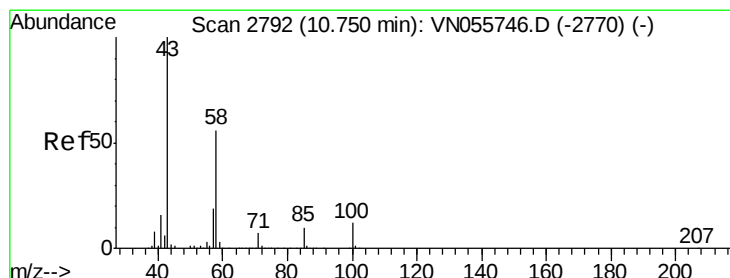
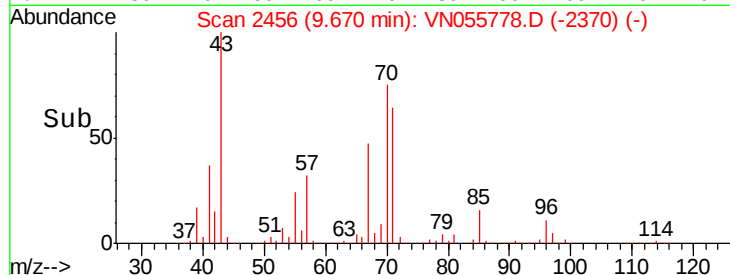
10000

0

9.65 9.70

9.67

Time-->



#59

2-Hexanone

Concen: 330.904 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN055778.D

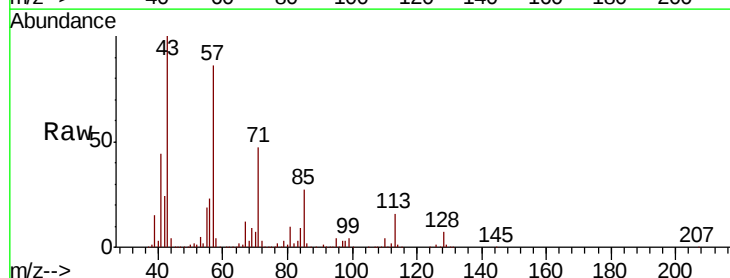
Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 1045765

Ion Ratio Lower Upper

43 100

58 4.3 28.2 84.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055778.D (-2699) (-)

Ion 58.00 (57.70 to 58.70): VN055778.D (-2699) (-)

600000

400000

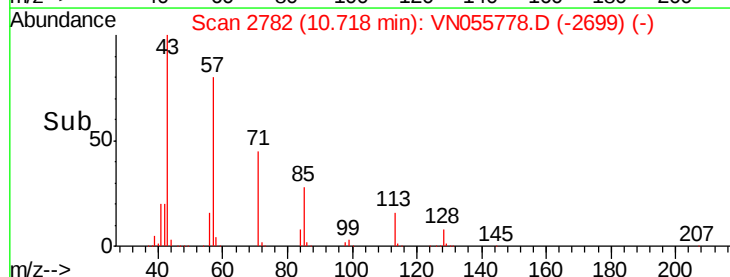
200000

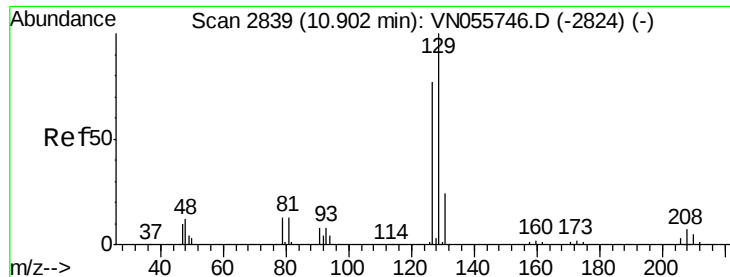
0

10.65 10.70 10.75

10.72

Time-->





#60

Dibromochloromethane

Concen: 2.056 ug/l

RT: 10.82 min Scan# 2814

Delta R.T. -0.08 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

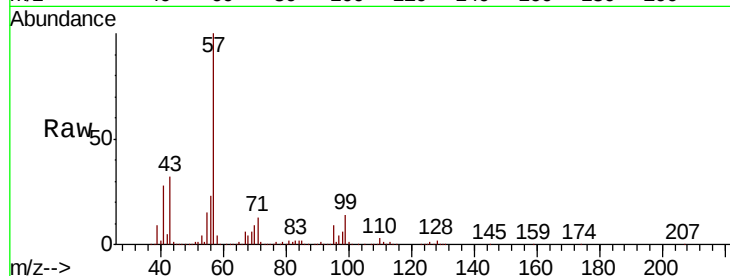
P-1(9.5-10.0)

Tot Ion:129 Resp: 8447

Ion Ratio Lower Upper

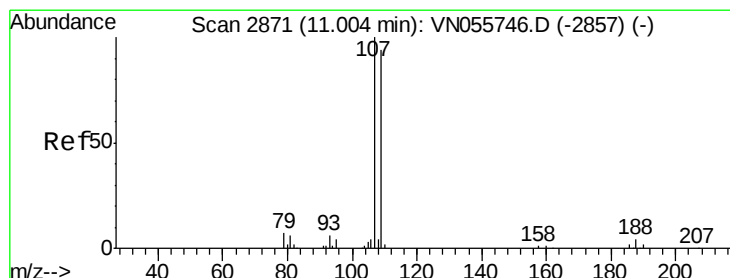
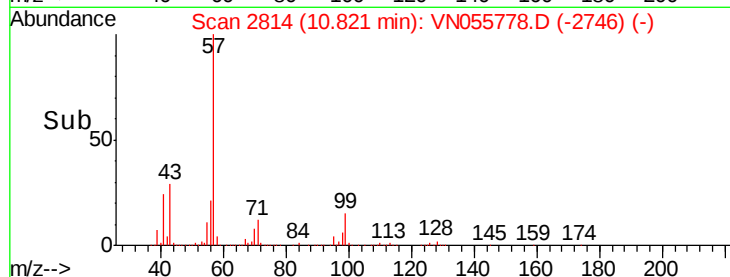
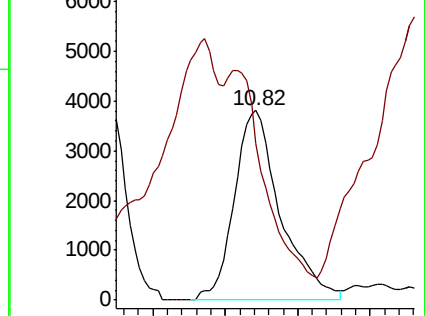
129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.405 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.03 min

Lab File: VN055778.D

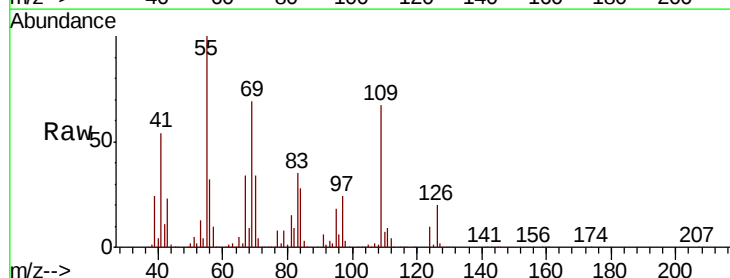
Acq: 24 May 2019 1:33

Tgt Ion:107 Resp: 8799

Ion Ratio Lower Upper

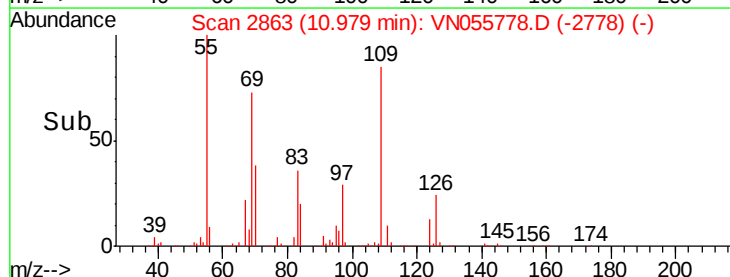
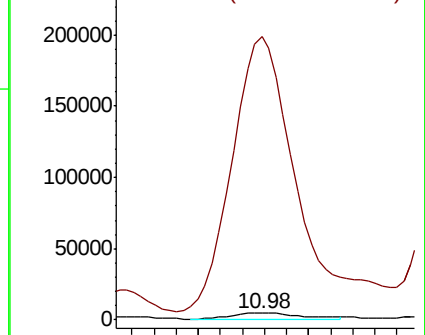
107 100

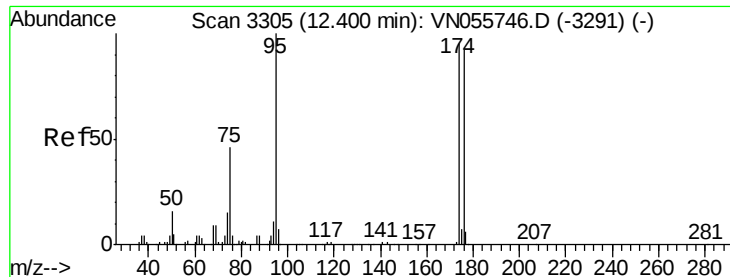
109 4519.3 74.8 112.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 85.210 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

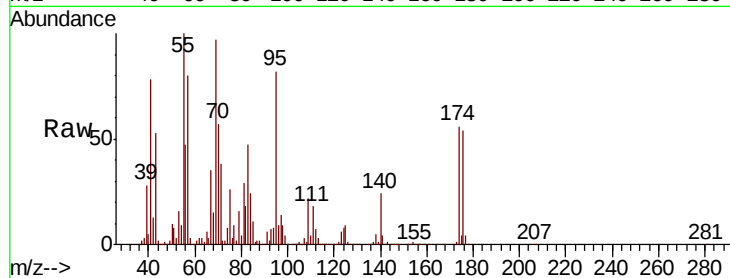
Tot Ion: 95 Resp: 377683

Ion Ratio Lower Upper

95 100

174 59.2 0.0 191.0

176 57.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055778.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055778.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055778.D (-2903) (-)

12.40

250000

200000

150000

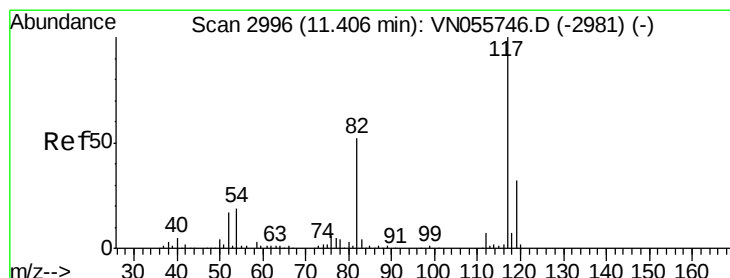
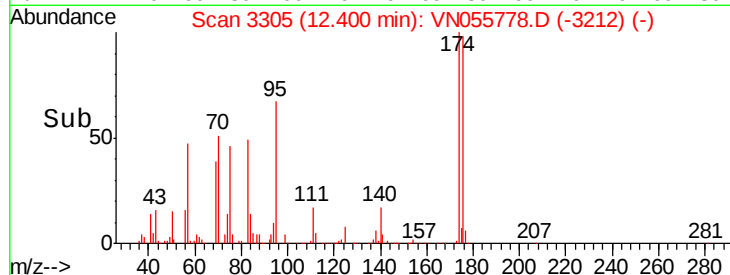
100000

50000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

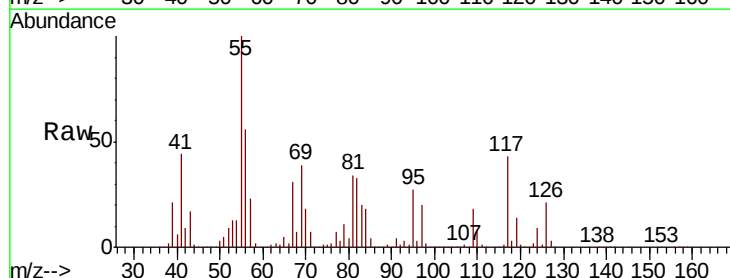
Tgt Ion: 117 Resp: 472990

Ion Ratio Lower Upper

117 100

82 56.7 41.8 62.8

119 32.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN055778.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055778.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055778.D (-2903) (-)

11.41

300000

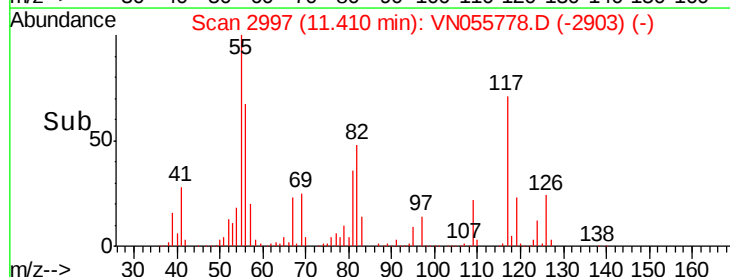
200000

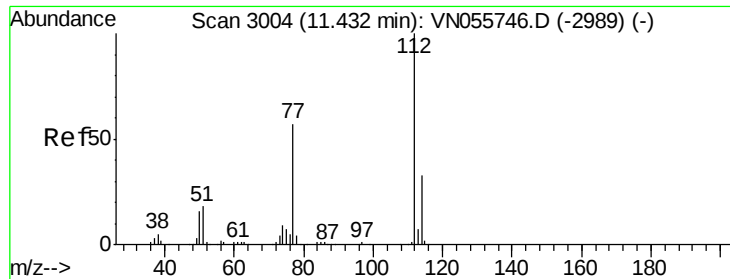
100000

0

11.30 11.40 11.50

Time-->

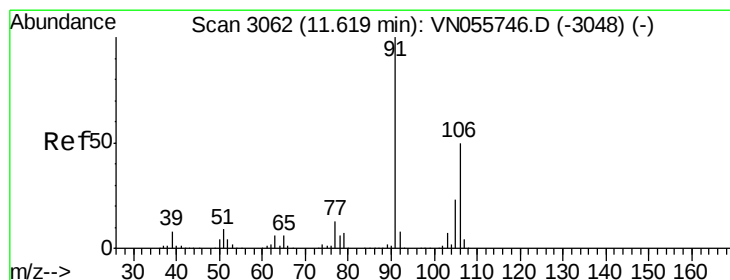
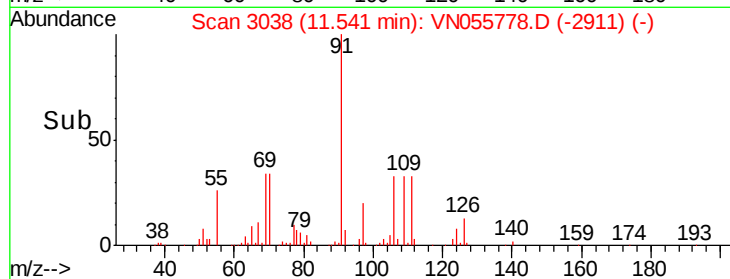
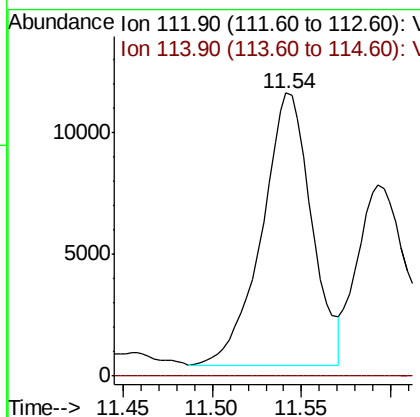
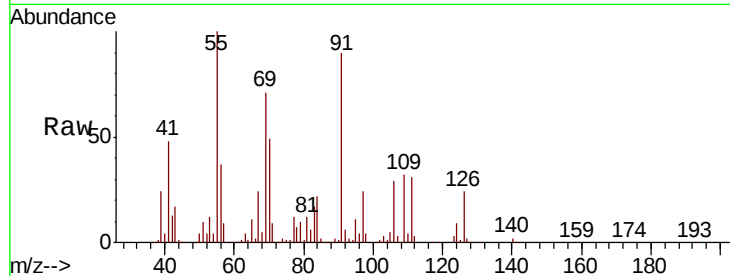




#65  
Chlorobenzene  
Concen: 2.295 ug/l  
RT: 11.54 min Scan# 3038  
Delta R.T. 0.11 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

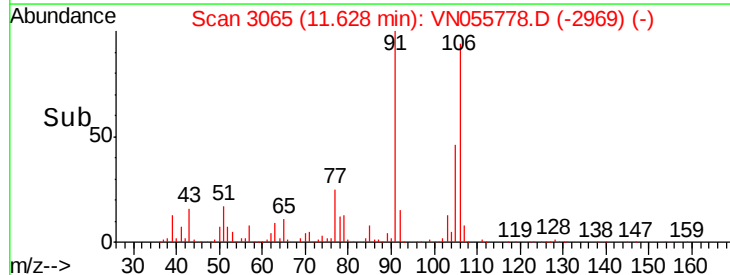
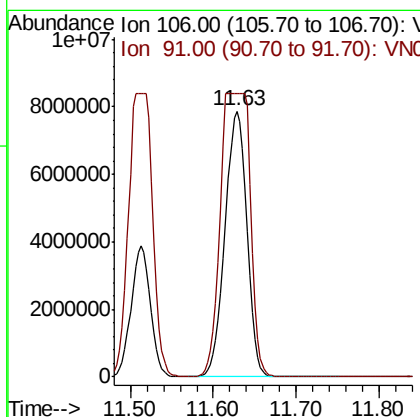
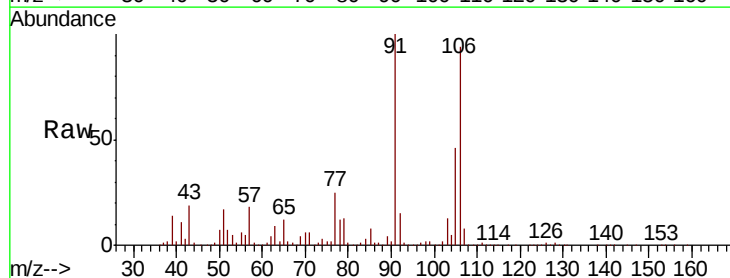
Instrument :  
MSVOA\_N  
ClientSampled :  
P-1(9.5-10.0)

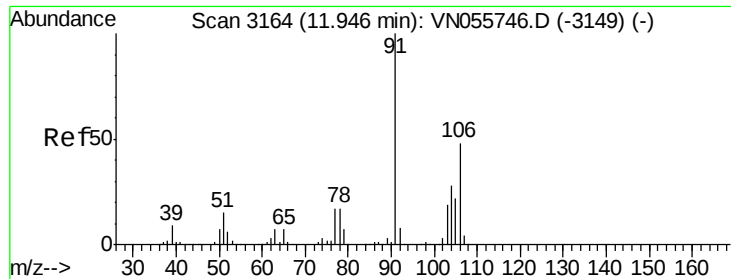
Tot Ion:112 Resp: 21733  
Ion Ratio Lower Upper  
112 100  
114 0.0 26.2 39.4#



#68  
m/p-Xylenes  
Concen: 2243.000 ug/l  
RT: 11.63 min Scan# 3065  
Delta R.T. 0.01 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

Tgt Ion:106 Resp:14398524  
Ion Ratio Lower Upper  
106 100  
91 0.0 159.3 238.9#

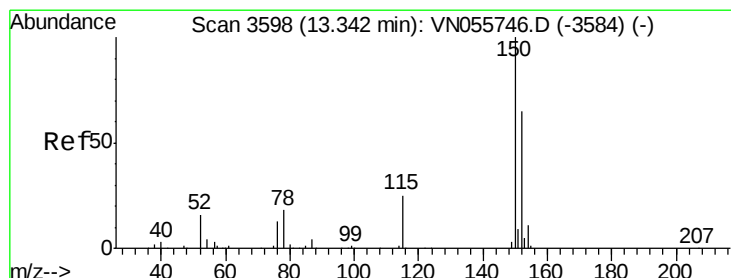
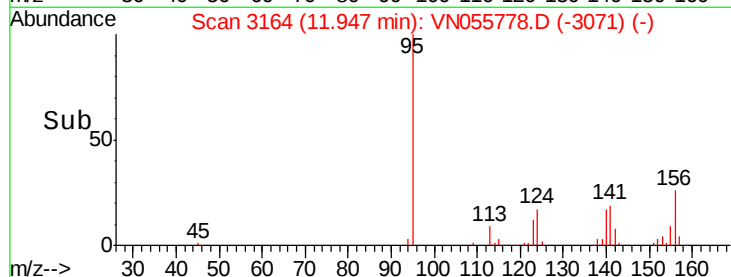
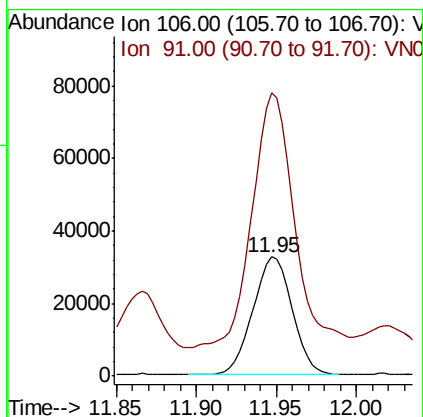
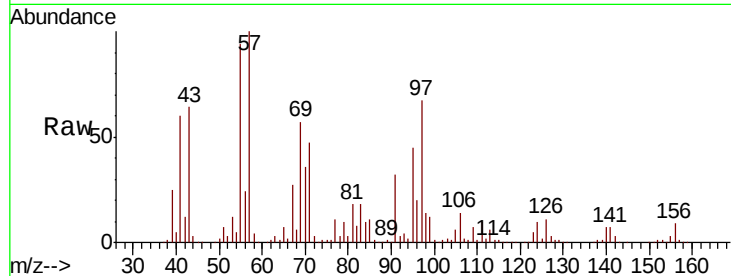




#69  
o-Xylene  
Concen: 8.611 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

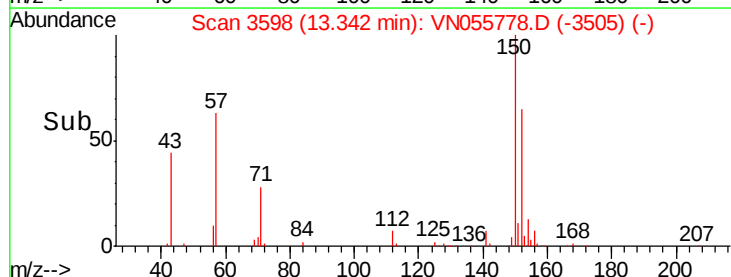
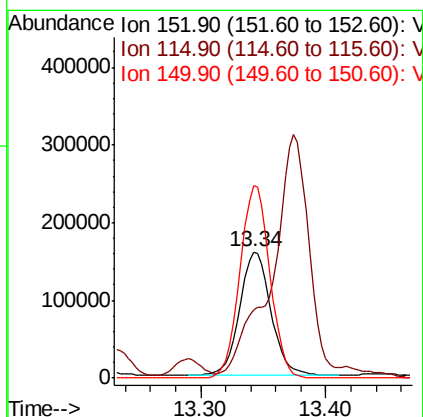
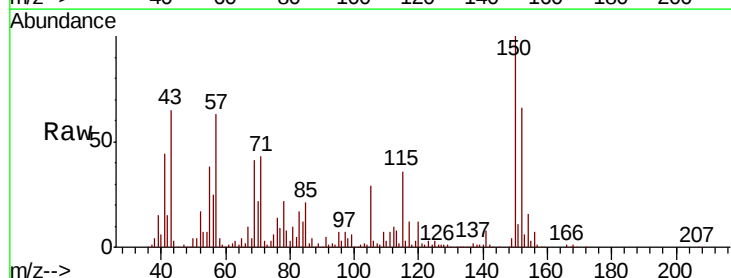
Instrument :  
MSVOA\_N  
ClientSampled :  
P-1(9.5-10.0)

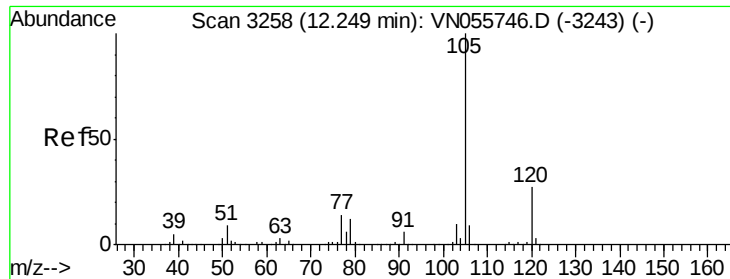
Tot Ion:106 Resp: 54844  
Ion Ratio Lower Upper  
106 100  
91 232.6 104.7 314.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

Tgt Ion:152 Resp: 276296  
Ion Ratio Lower Upper  
152 100  
115 0.0 27.0 81.0#  
150 147.9 0.0 343.2





#73

Isopropylbenzene

Concen: 441.467 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

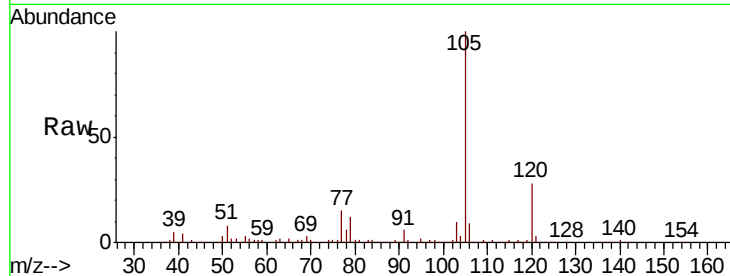
P-1(9.5-10.0)

Tot Ion:105 Resp: 8266184

Ion Ratio Lower Upper

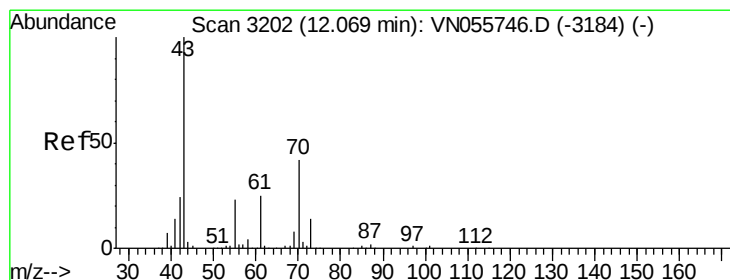
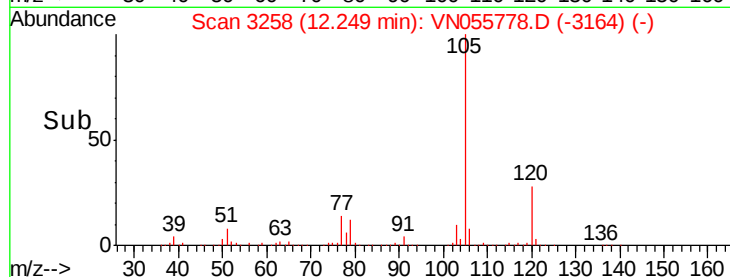
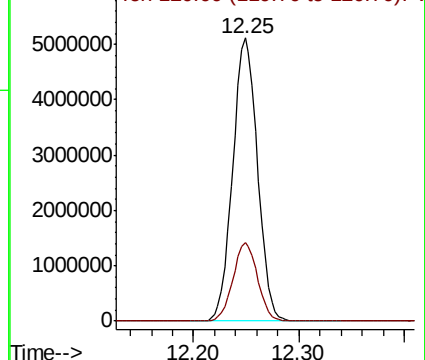
105 100

120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.576 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Tgt Ion: 43 Resp: 406770

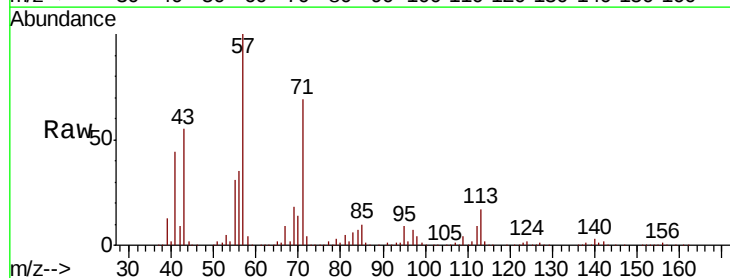
Ion Ratio Lower Upper

43 100

70 13.5 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

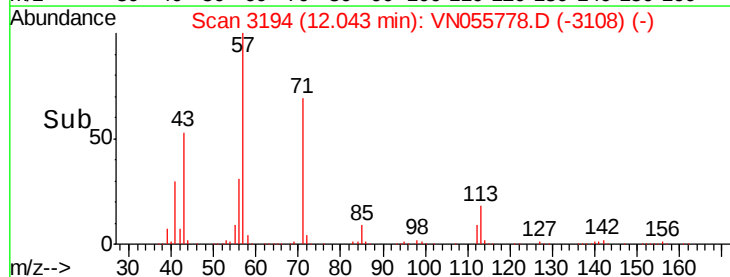
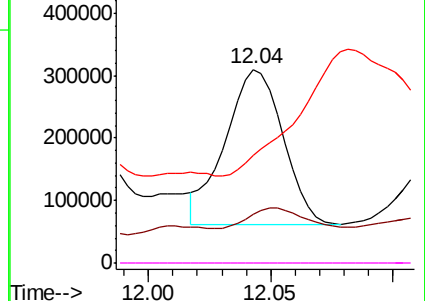


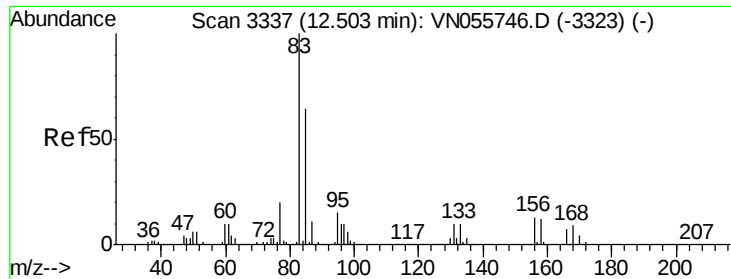
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 3.779 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.04 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

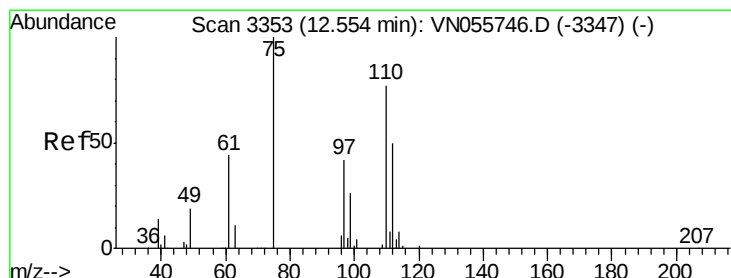
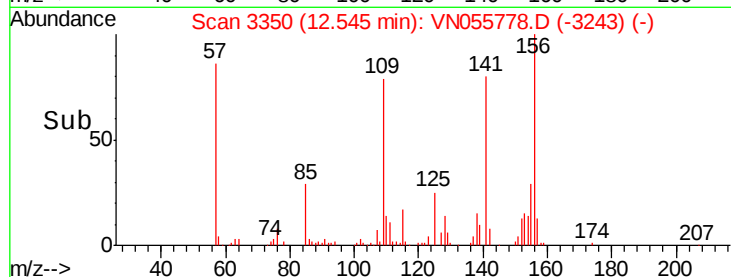
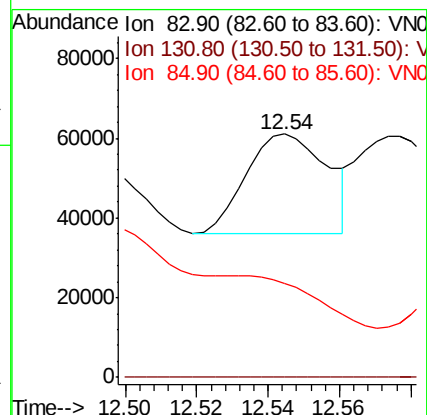
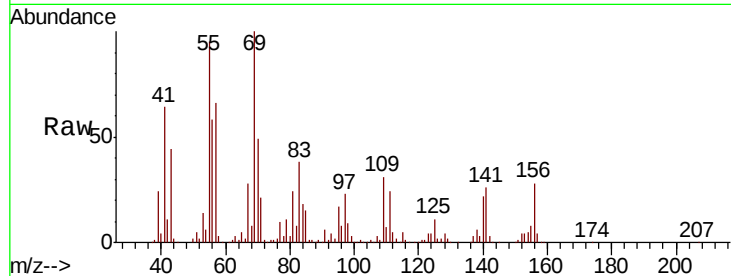
Tot Ion: 83 Resp: 39819

Ion Ratio Lower Upper

83 100

131 0.4 5.4 16.2#

85 0.0 32.4 97.0#



#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. -0.02 min

Lab File: VN055778.D

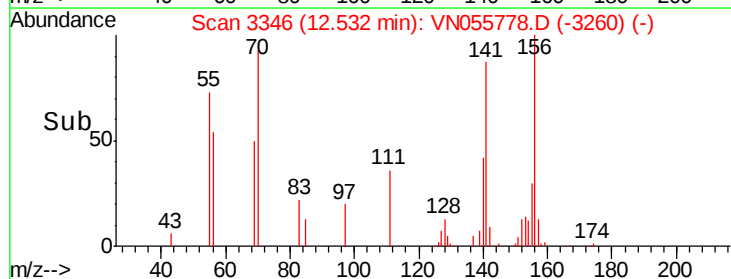
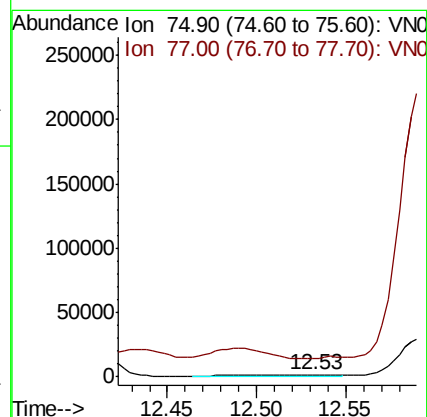
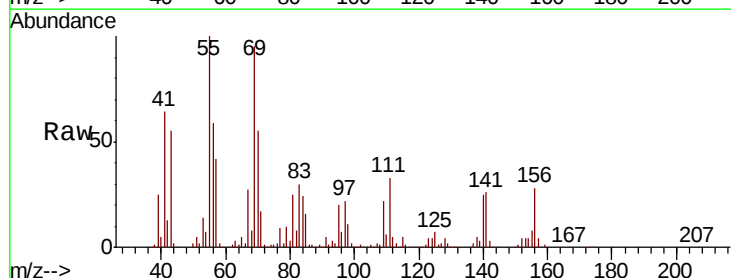
Acq: 24 May 2019 1:33

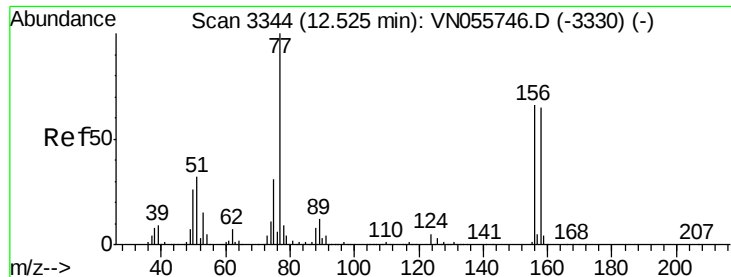
Tgt Ion: 75 Resp: 5116

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.715 ug/l

RT: 12.54 min Scan# 3349

Delta R.T. 0.02 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

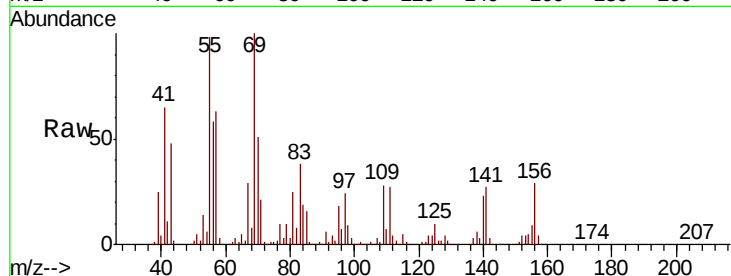
Tot Ion:156 Resp: 287218

Ion Ratio Lower Upper

156 100

77 0.0 90.8 272.5#

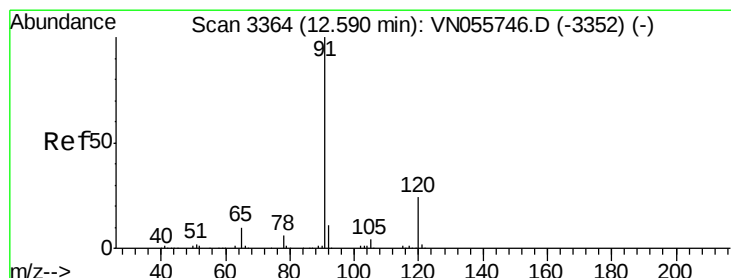
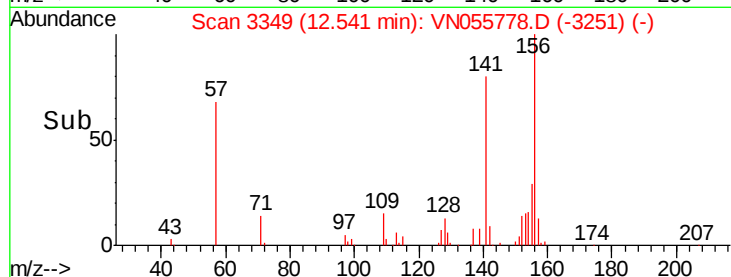
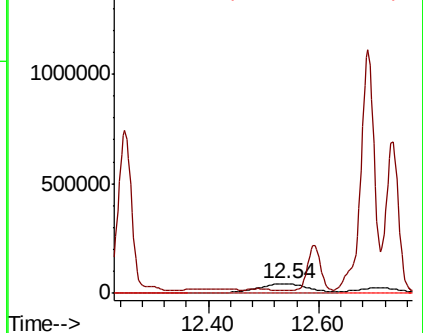
158 0.2 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 365.120 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055778.D

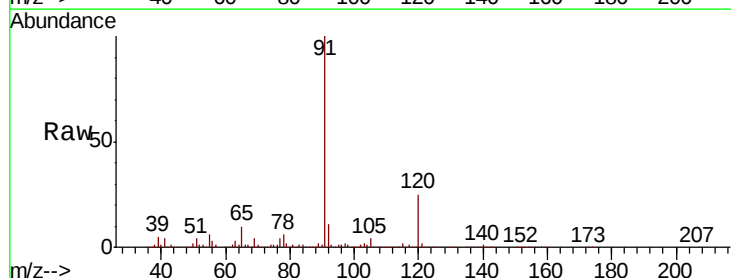
Acq: 24 May 2019 1:33

Tgt Ion: 91 Resp: 8767969

Ion Ratio Lower Upper

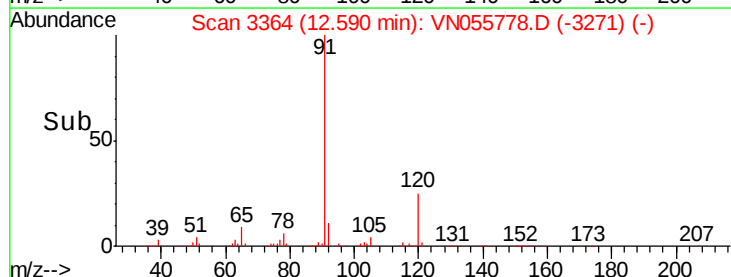
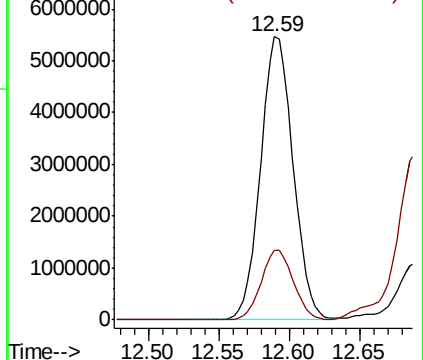
91 100

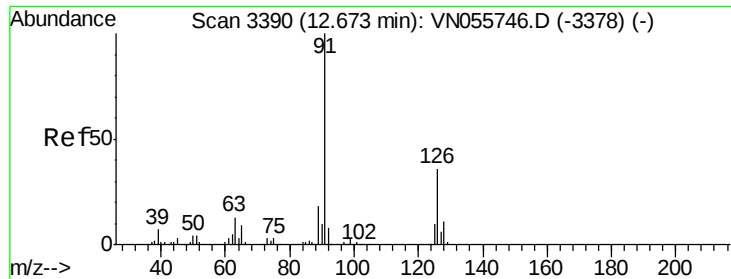
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

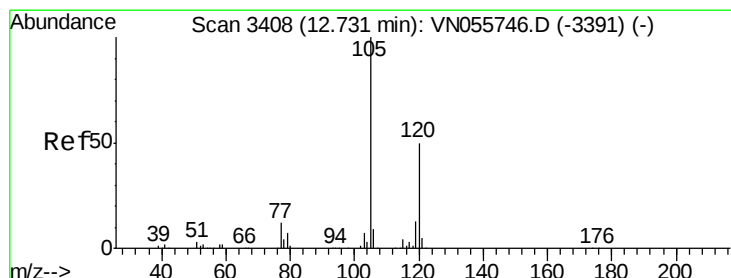
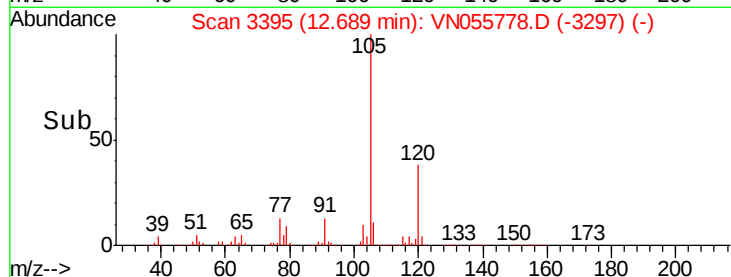
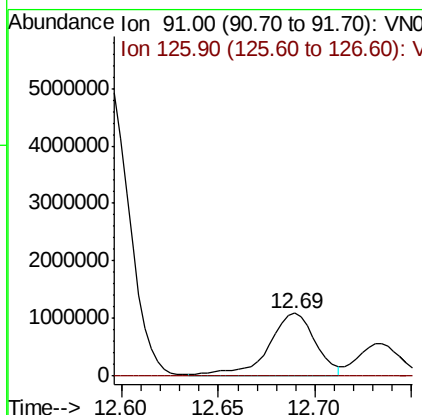
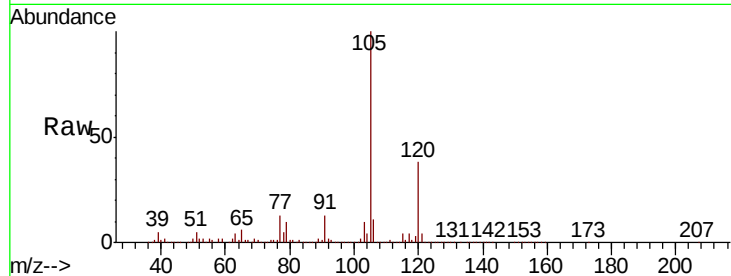




#79  
 2-Chlorotoluene  
 Concen: 146.746 ug/l  
 RT: 12.69 min Scan# 3395  
 Delta R.T. 0.02 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

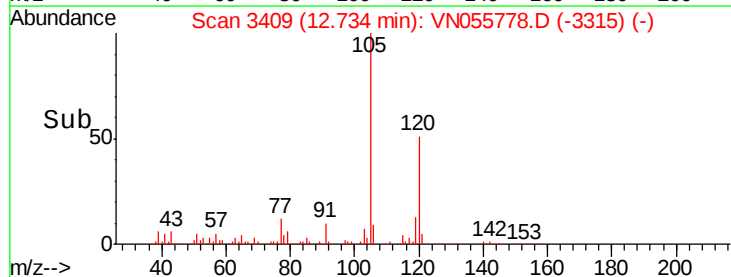
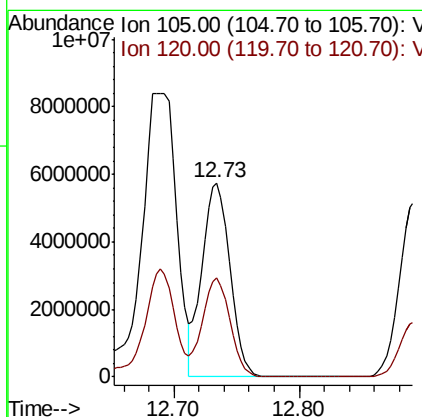
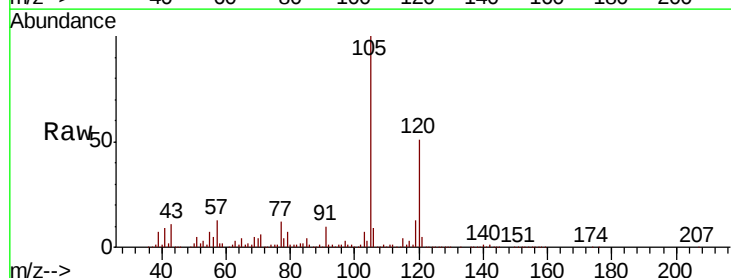
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 P-1(9.5-10.0)

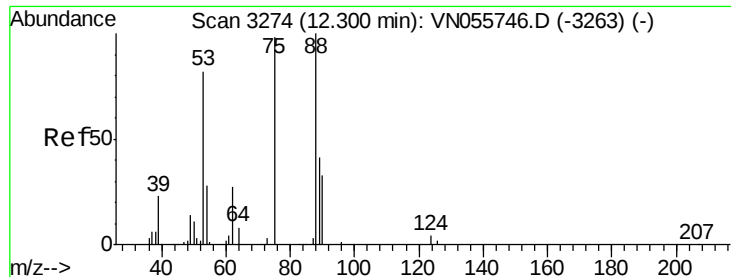
Tot Ion: 91 Resp: 1834343  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 18.1 54.4#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 565.738 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion:105 Resp: 8922378  
 Ion Ratio Lower Upper  
 105 100  
 120 50.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 40.528 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

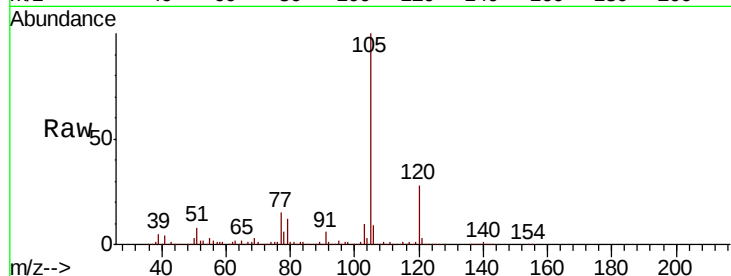
Tot Ion: 75 Resp: 83225

Ion Ratio Lower Upper

75 100

53 74.5 68.1 102.1

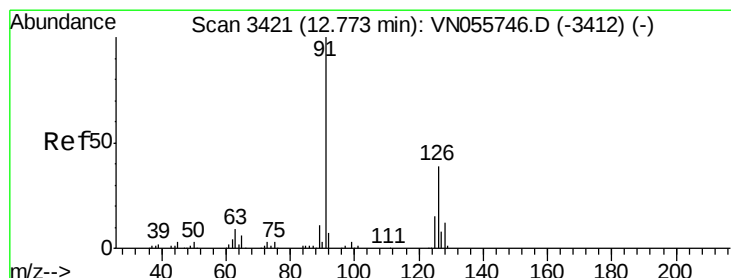
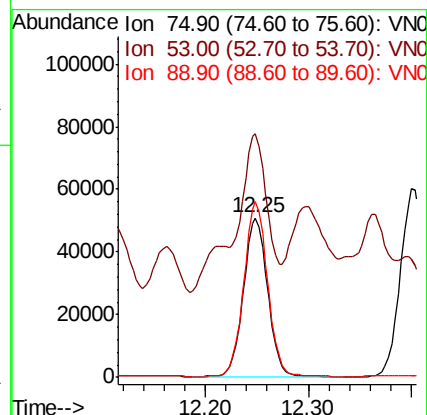
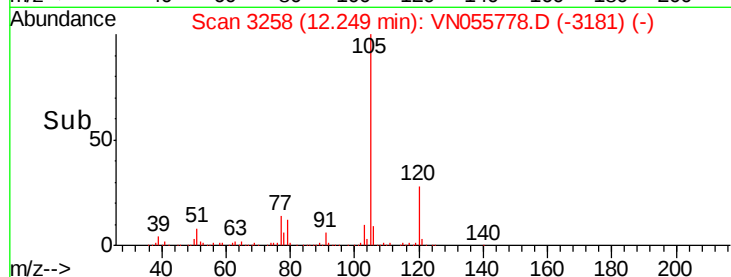
89 108.2 36.9 55.3#



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



#82

4-Chlorotoluene

Concen: 60.951 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN055778.D

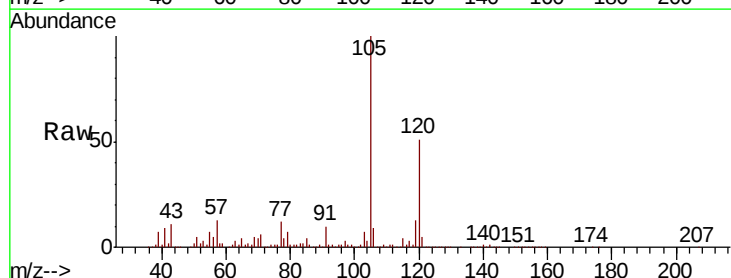
Acq: 24 May 2019 1:33

Tgt Ion: 91 Resp: 860374

Ion Ratio Lower Upper

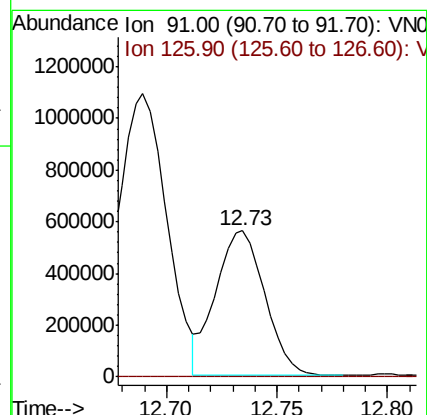
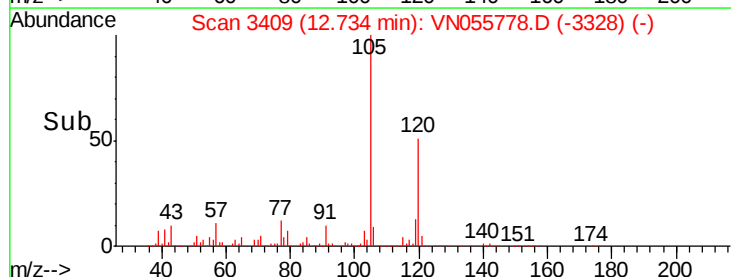
91 100

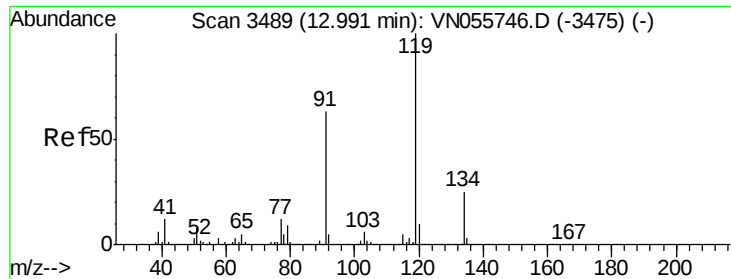
126 0.4 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

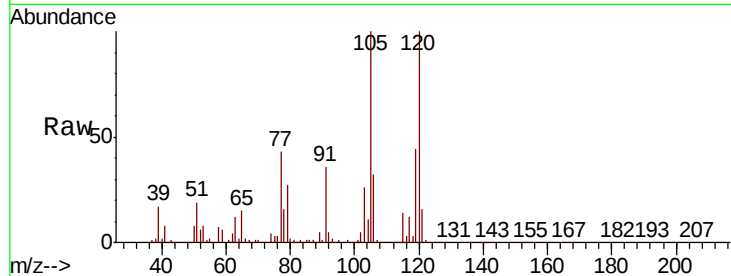




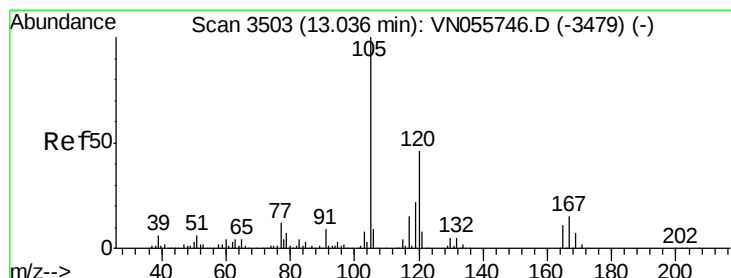
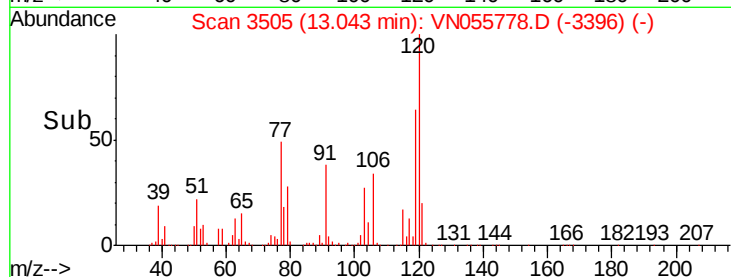
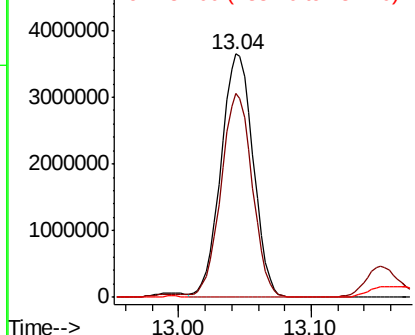
#83  
 tert-Butylbenzene  
 Concen: 454.777 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.05 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 P-1(9.5-10.0)

Tot Ion:119 Resp: 6153011  
 Ion Ratio Lower Upper  
 119 100  
 91 80.5 30.9 92.8  
 134 0.0 13.3 39.8#

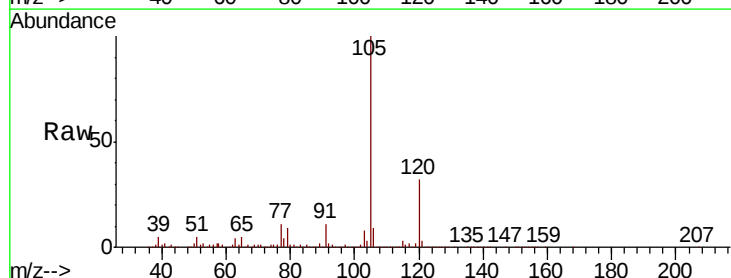


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VN  
 Ion 134.00 (133.70 to 134.70): V

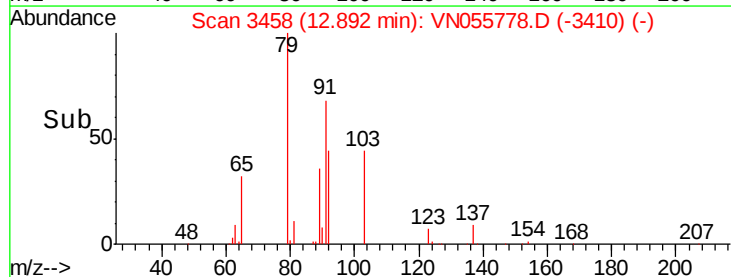
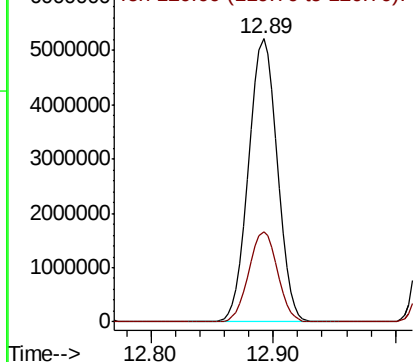


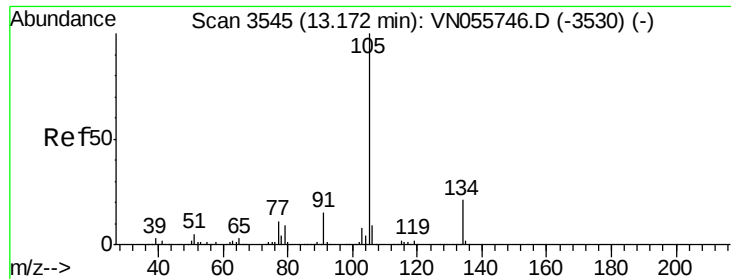
#84  
 1,2,4-Trimethylbenzene  
 Concen: 531.623 ug/l  
 RT: 12.89 min Scan# 3458  
 Delta R.T. -0.14 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion:105 Resp: 8407975  
 Ion Ratio Lower Upper  
 105 100  
 120 31.8 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 52.841 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampleId :

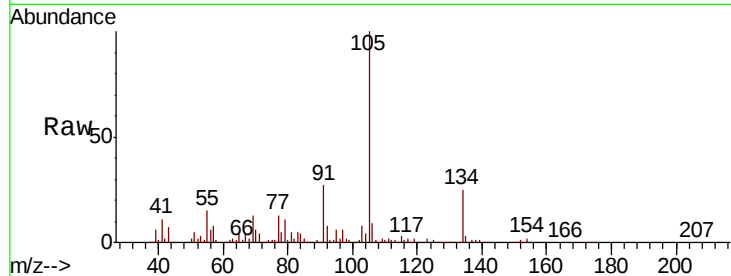
P-1(9.5-10.0)

Tot Ion:105 Resp: 980331

Ion Ratio Lower Upper

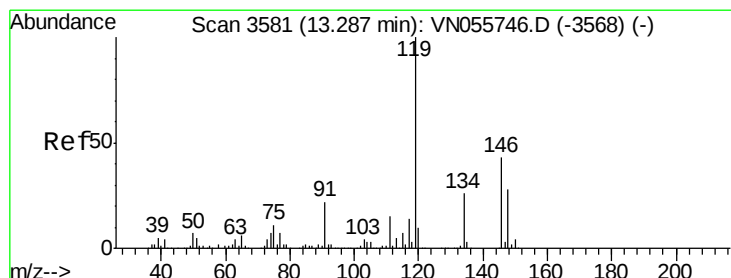
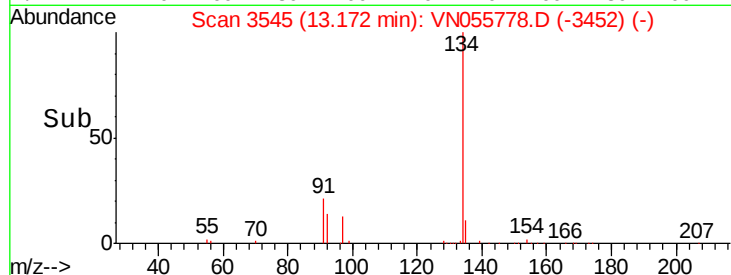
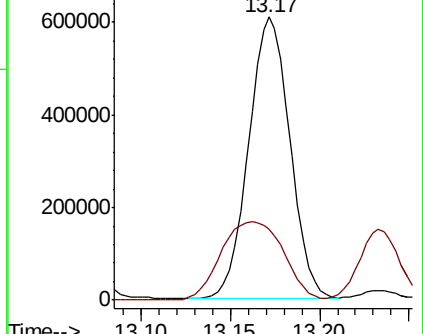
105 100

134 42.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.530 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

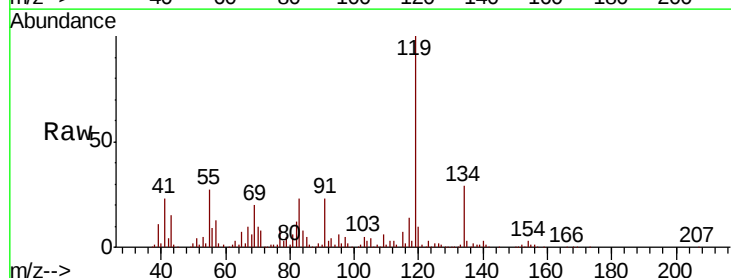
Tgt Ion:119 Resp: 816060

Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.1

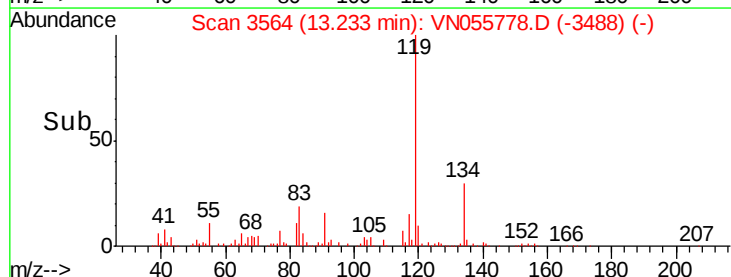
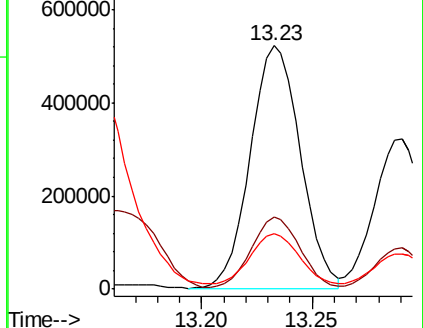
91 19.9 10.9 32.9

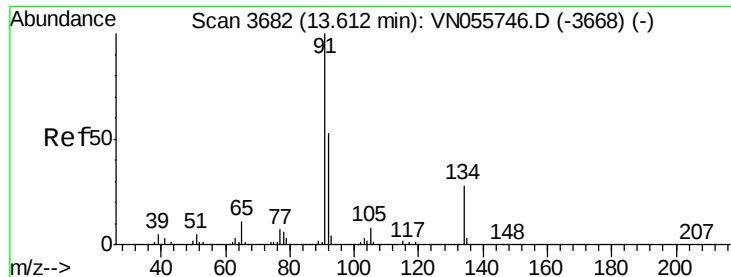


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

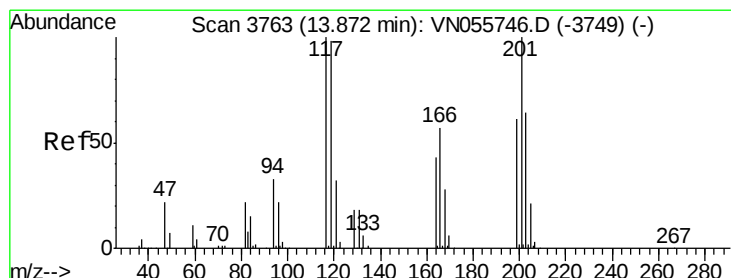
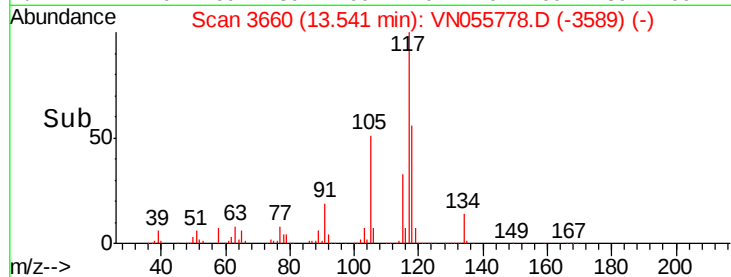
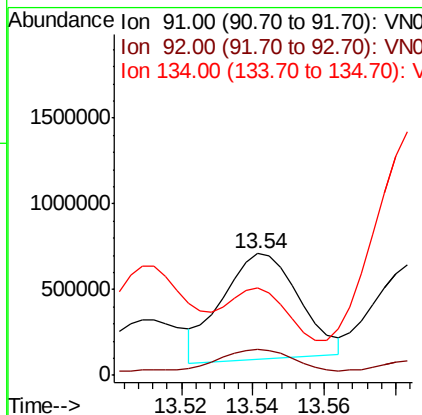
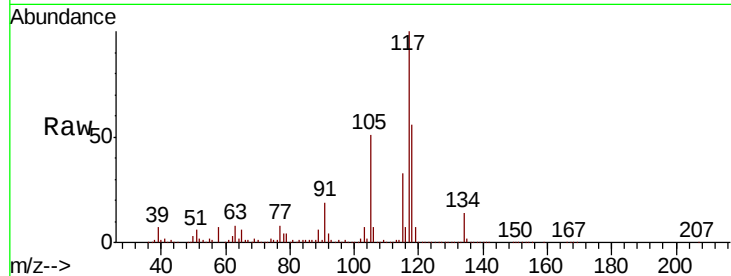




#89  
n-Butylbenzene  
Concen: 63.317 ug/l  
RT: 13.54 min Scan# 3660  
Delta R.T. -0.07 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

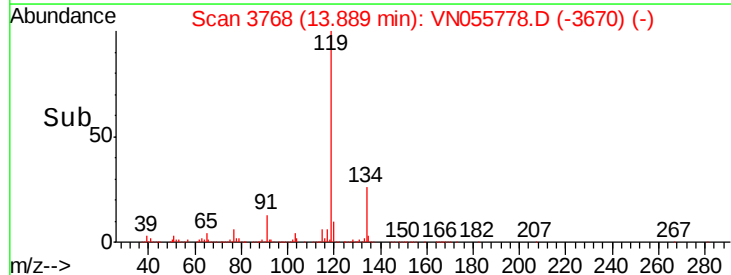
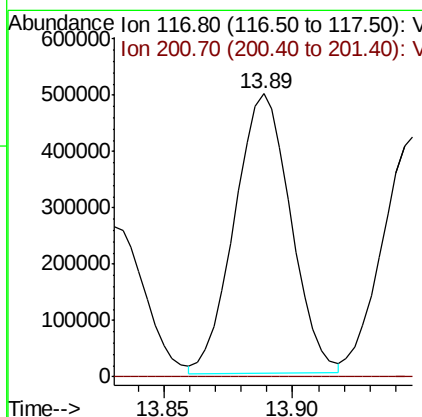
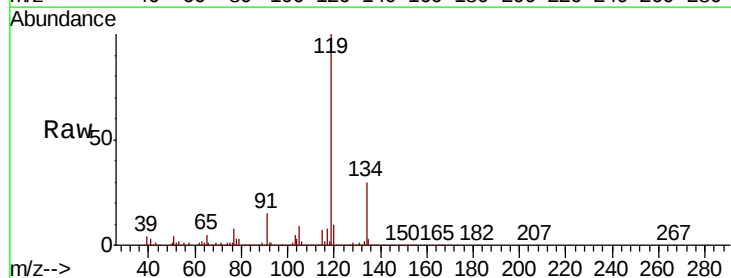
Instrument :  
MSVOA\_N  
ClientSampled :  
P-1(9.5-10.0)

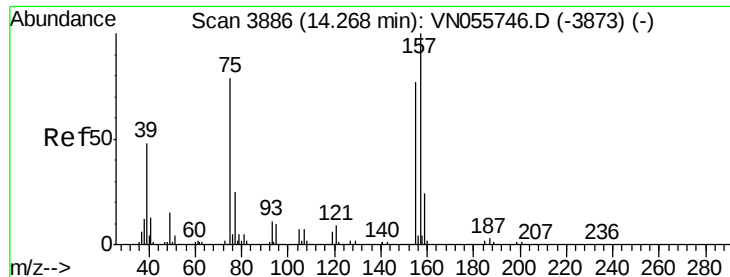
Tot Ion: 91 Resp: 930871  
Ion Ratio Lower Upper  
91 100  
92 30.5 26.4 79.0  
134 39.5 13.9 41.7



#90  
Hexachloroethane  
Concen: 206.886 ug/l  
RT: 13.89 min Scan# 3768  
Delta R.T. 0.02 min  
Lab File: VN055778.D  
Acq: 24 May 2019 1:33

Tgt Ion: 117 Resp: 755585  
Ion Ratio Lower Upper  
117 100  
201 0.0 50.0 150.0#

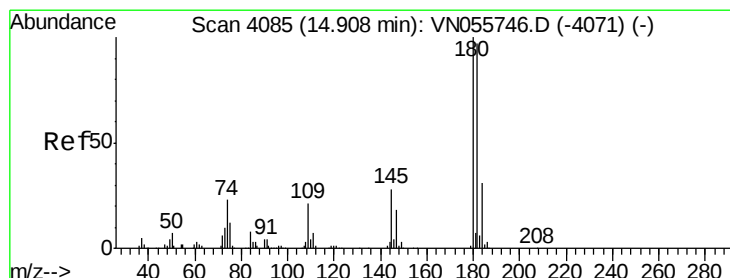
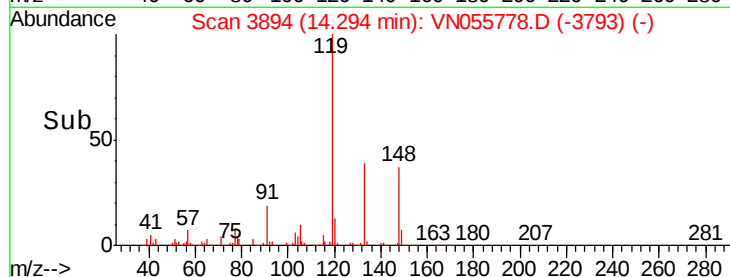
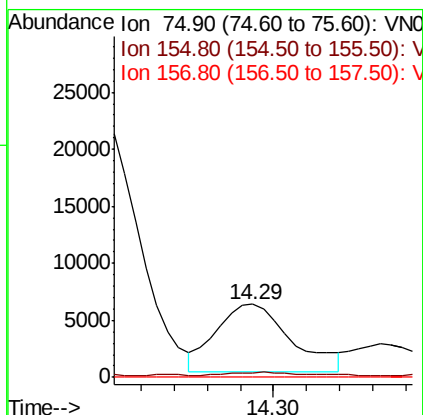
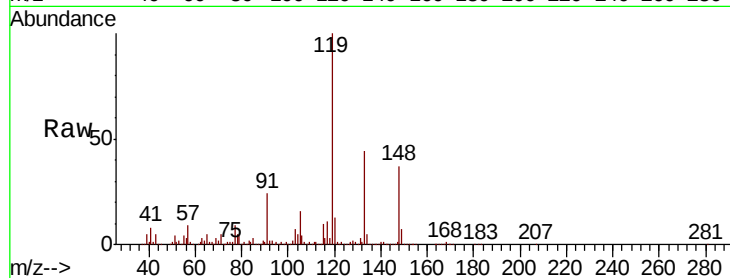




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 7.634 ug/l  
 RT: 14.29 min Scan# 3894  
 Delta R.T. 0.03 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

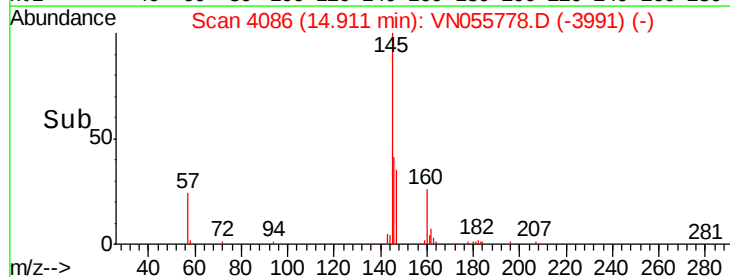
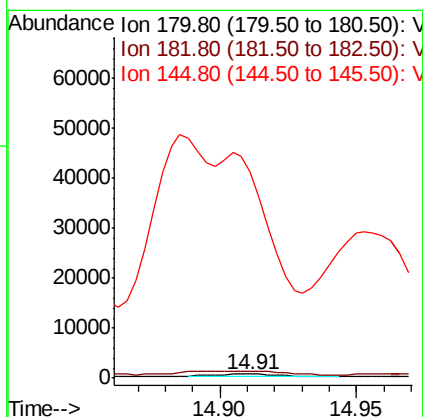
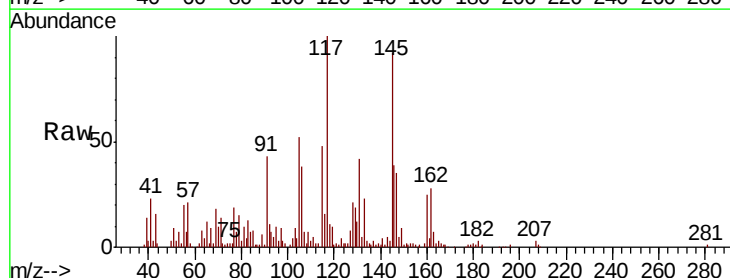
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 P-1(9.5-10.0)

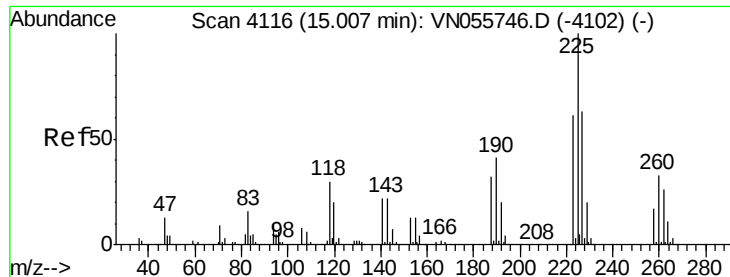
Tot Ion: 75 Resp: 9346  
 Ion Ratio Lower Upper  
 75 100  
 155 4.0 50.0 150.1#  
 157 0.0 64.8 194.3#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.778 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN055778.D  
 Acq: 24 May 2019 1:33

Tgt Ion: 180 Resp: 817  
 Ion Ratio Lower Upper  
 180 100  
 182 262.8 48.3 144.9#  
 145 0.0 14.0 41.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

Instrument :

MSVOA\_N

ClientSampled :

P-1(9.5-10.0)

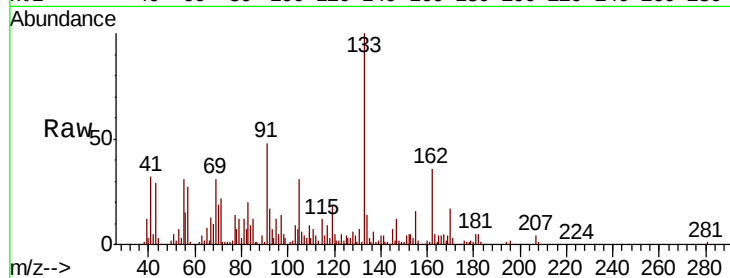
Tot Ion:225 Resp: 59

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

227 0.0 31.6 94.7#

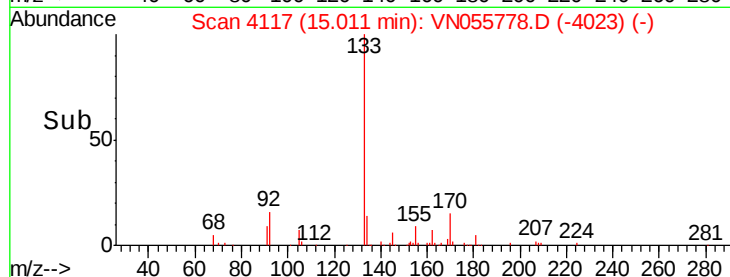


Abundance Ion 224.70 (224.40 to 225.40): V

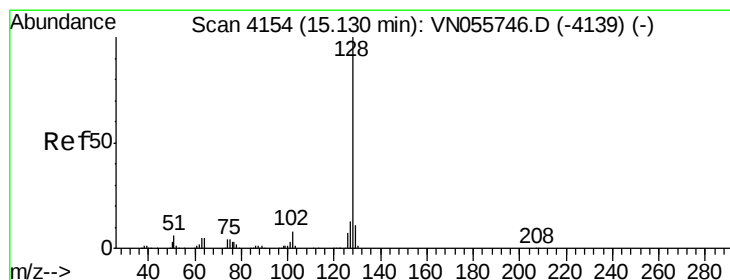
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01



Time-->



#95

Naphthalene

Concen: 473.651 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055778.D

Acq: 24 May 2019 1:33

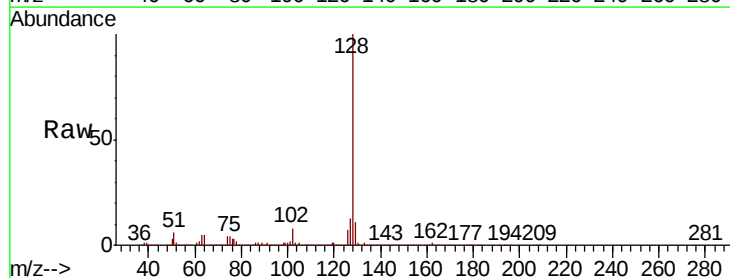
Tgt Ion:128 Resp: 6053818

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1

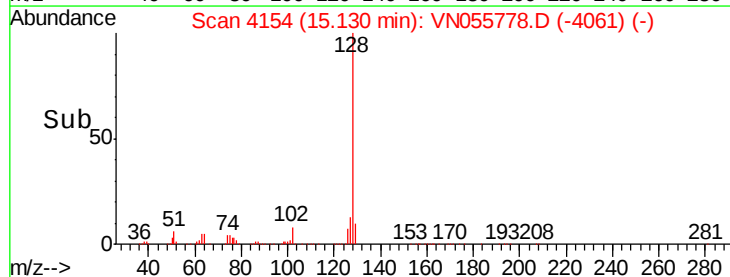


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time-->