

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031919\  
 Data File : VN054443.D  
 Acq On : 19 Mar 2019 16:21  
 Operator : JC/SP  
 Sample : K1970-07ME  
 Misc : 5.51g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-7-WEST-WALL-SOUTHME

Quant Time: Mar 19 16:43:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1856784  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2652493  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2293282  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 1147772  | 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   | 782429   | 39.68 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 79.36% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 746245   | 43.62 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.24% |          |
| 50) Toluene-d8              | 10.09 | 98   | 3125572  | 49.47 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.94% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 987281   | 44.66 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.32% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 10) Methyl Iodide              | 3.94  | 142  | 402      | 1.511     | ug/l # | 18     |
| 11) Tert butyl alcohol         | 4.75  | 59   | 295      | 0.218     | ug/l # | 70     |
| 16) Acetone                    | 3.82  | 43   | 1154     | 0.204     | ug/l # | 67     |
| 18) Methyl Acetate             | 4.33  | 43   | 4616     | 0.404     | ug/l # | 89     |
| 20) Methylene Chloride         | 4.54  | 84   | 5786     | 0.312     | ug/l   | 89     |
| 31) Cyclohexane                | 7.66  | 56   | 32118    | Below Cal | #      | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 101888   | 4.171     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 147880   | 5.773     | ug/l # | 15     |
| 39) Methylcyclohexane          | 9.08  | 83   | 58584    | 1.949     | ug/l   | 98     |
| 48) Methyl methacrylate        | 9.14  | 41   | 6497     | 0.520     | ug/l # | 43     |
| 49) 1,4-Dioxane                | 9.21  | 88   | 122      | 0.690     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.09 | 43   | 17193    | 1.319     | ug/l # | 1      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 948      | 2.020     | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 56204    | 3.473     | ug/l # | 20     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 18710    | 0.970     | ug/l # | 34     |
| 58) 2-Chloroethyl Vinyl ether  | 9.83  | 63   | 219      | 16.852    | ug/l   | 89     |
| 59) 2-Hexanone                 | 10.72 | 43   | 106968   | 12.330    | ug/l # | 30     |
| 66) 1,1,1,2-Tetrachloroethane  | 11.52 | 131  | 6820     | 0.373     | ug/l # | 8      |
| 67) Ethyl Benzene              | 11.51 | 91   | 46974    | 0.563     | ug/l # | 87     |
| 71) Bromoform                  | 12.17 | 173  | 27001    | 4.196     | ug/l # | 28     |
| 73) Isopropylbenzene           | 12.25 | 105  | 80036    | 0.872     | ug/l   | 98     |
| 74) N-amyl acetate             | 12.04 | 43   | 180851   | 8.873     | ug/l # | 54     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.46 | 83   | 12119    | 0.619     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.54 | 75   | 45768    | 2.712     | ug/l # | 100    |
| 77) Bromobenzene               | 12.54 | 156  | 3597397  | 148.045   | ug/l # | 1      |
| 78) n-propylbenzene            | 12.59 | 91   | 130798   | 1.313     | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 12.72 | 91   | 36122    | 0.603     | ug/l # | 1      |
| 80) 1,3,5-Trimethylbenzene     | 12.89 | 105  | 29026    | 0.380     | ug/l   | 74     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 432848   | 87.666    | ug/l # | 12     |
| 82) 4-Chlorotoluene            | 12.72 | 91   | 36122    | 0.604     | ug/l # | 1      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 16503    | 0.235     | ug/l   | 89     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 44618    | 0.595     | ug/l   | 87     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 598506   | 6.564     | ug/l   | 86     |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 62741    | 0.784     | ug/l   | 93     |

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Acq On : 19 Mar 2019 16:21  
Operator : JC/SP  
Sample : K1970-07ME  
Misc : 5.51g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 15 Sample Multiplier: 1

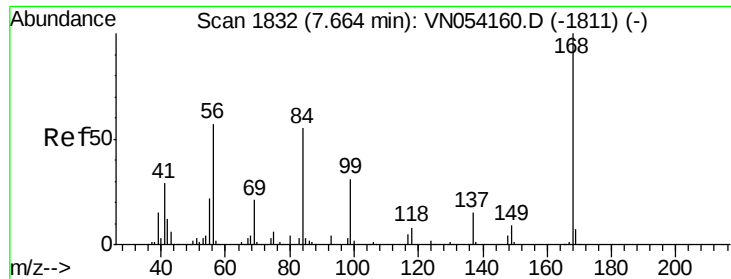
Instrument :  
MSVOA\_N  
ClientSampleId :  
P-7-WEST-WALL-SOUTHME

Quant Time: Mar 19 16:43:08 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 89) n-Butylbenzene             | 13.61 | 91   | 330048   | 5.431 | ug/l # | 74       |
| 90) Hexachloroethane           | 13.89 | 117  | 120701   | 9.113 | ug/l # | 2        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.29 | 75   | 9703     | 3.205 | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 14.90 | 180  | 2014     | 2.596 | ug/l # | 1        |
| 95) Naphthalene                | 15.13 | 128  | 185698   | 6.903 | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene     | 15.34 | 180  | 5326     | 0.250 | ug/l # | 12       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

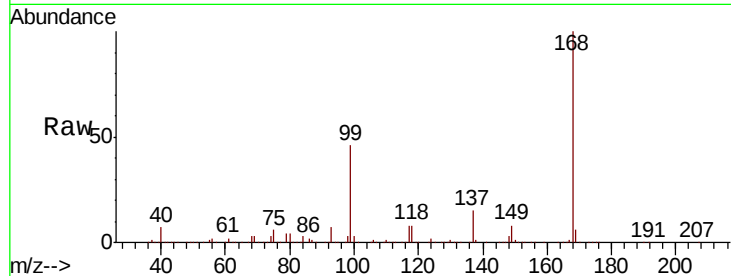
P-7-WEST-WALL-SOUTHME

Tgt Ion:168 Resp: 1856784

Ion Ratio Lower Upper

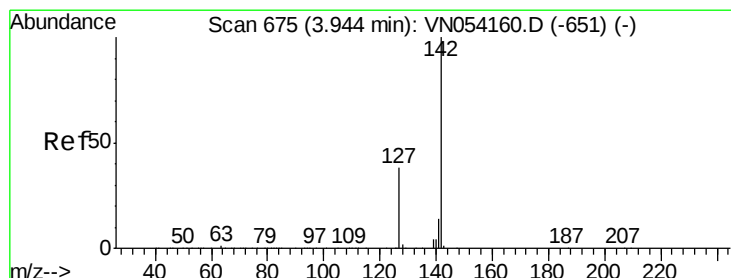
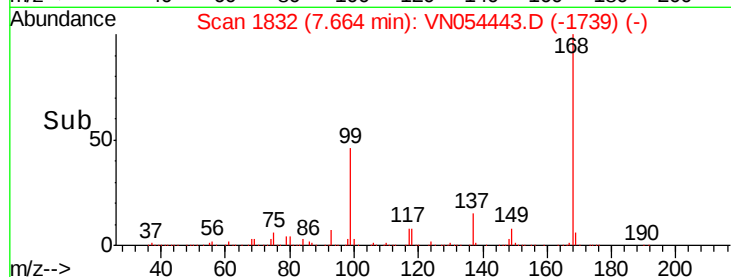
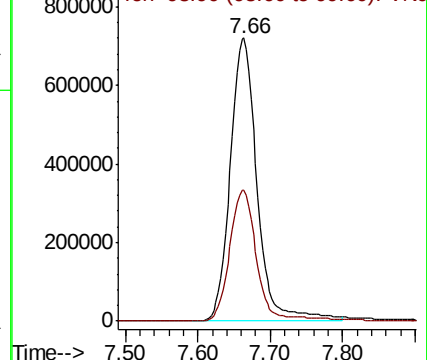
168 100

99 46.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 1.511 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

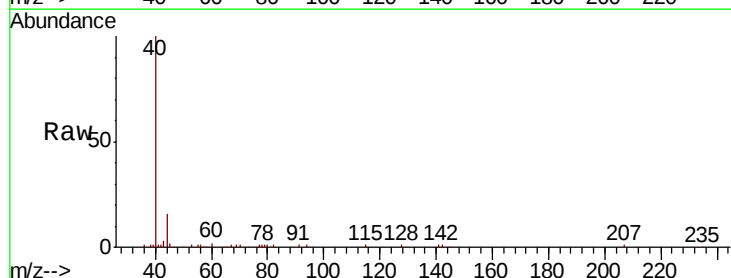
Tgt Ion:142 Resp: 402

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

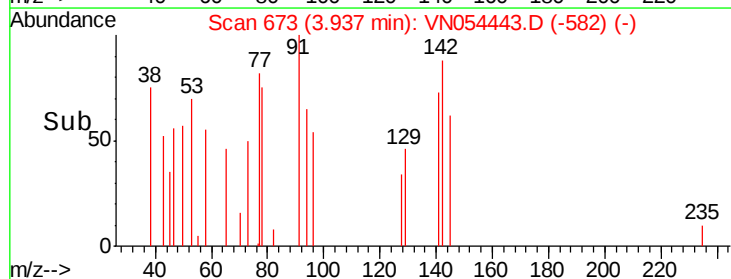
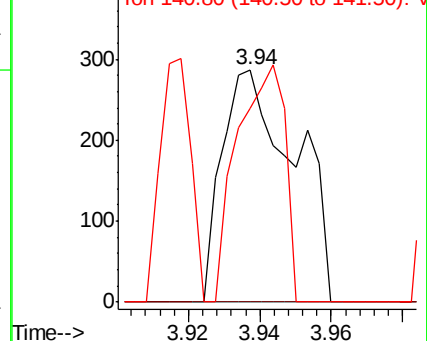
141 67.7 11.2 16.8#

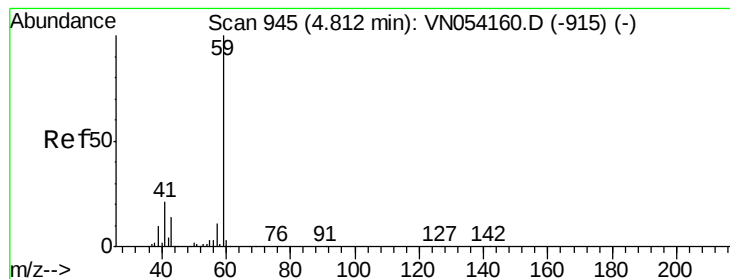


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



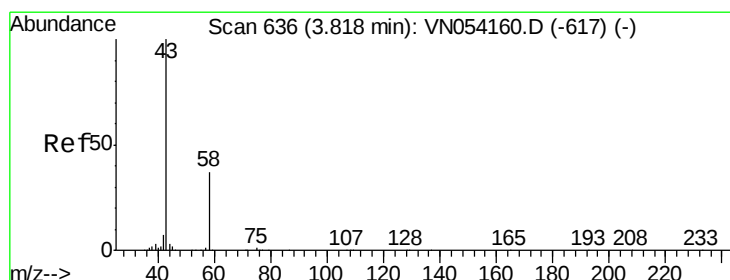
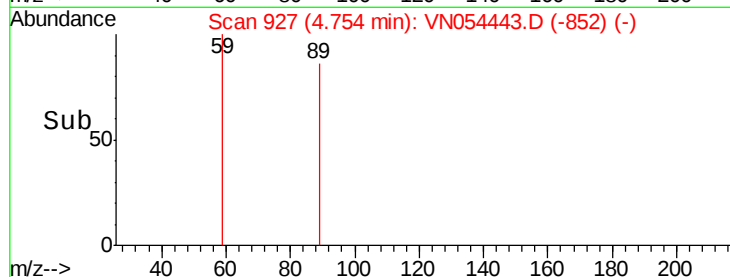
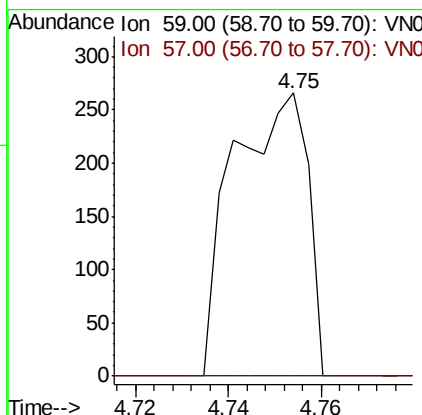
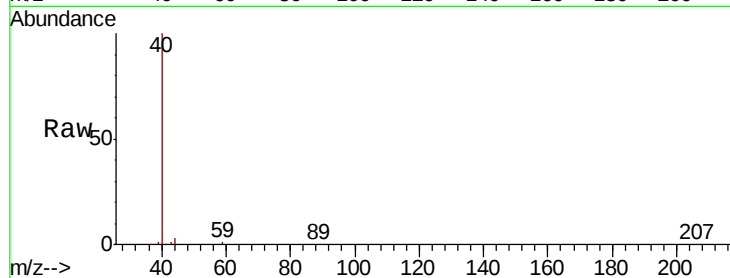


#11

Tert butyl alcohol  
 Concen: 0.218 ug/l  
 RT: 4.75 min Scan# 927  
 Delta R.T. -0.06 min  
 Lab File: VN054443.D  
 Acq: 19 Mar 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-7-WEST-WALL-SOUTHME

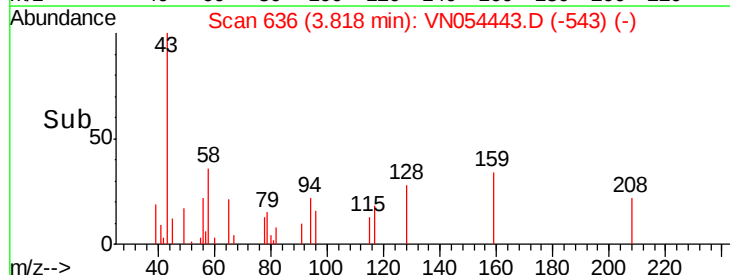
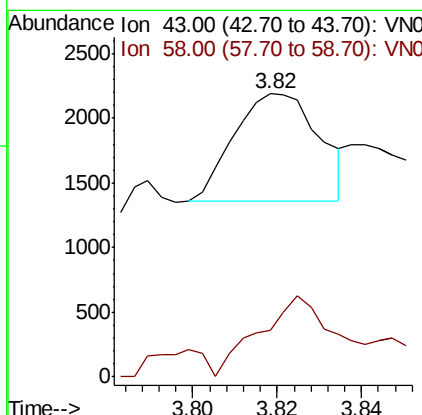
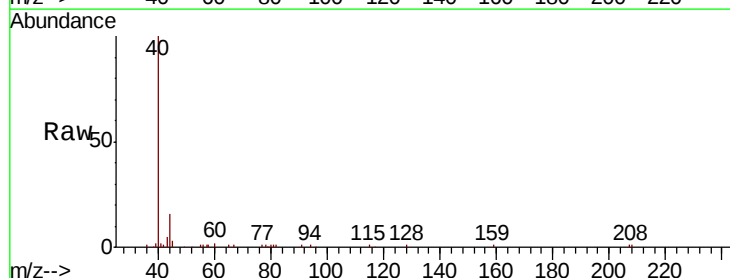
Tgt Ion: 59 Resp: 295  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 9.0 13.6#

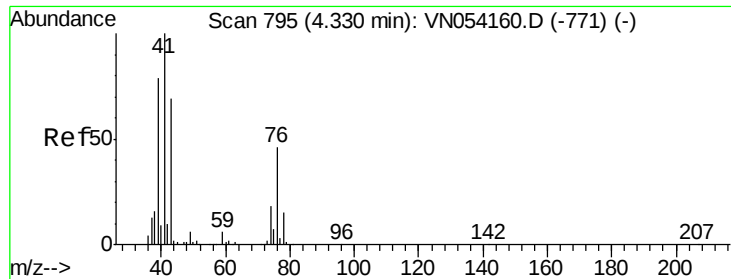


#16

Acetone  
 Concen: 0.204 ug/l  
 RT: 3.82 min Scan# 636  
 Delta R.T. 0.00 min  
 Lab File: VN054443.D  
 Acq: 19 Mar 2019 16:21

Tgt Ion: 43 Resp: 1154  
 Ion Ratio Lower Upper  
 43 100  
 58 17.4 29.9 44.9#

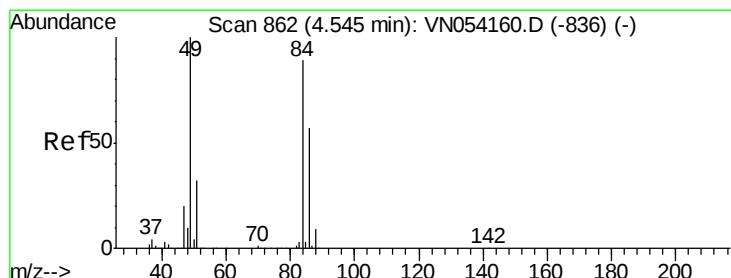
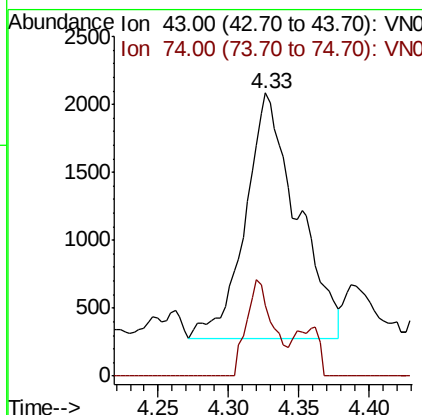
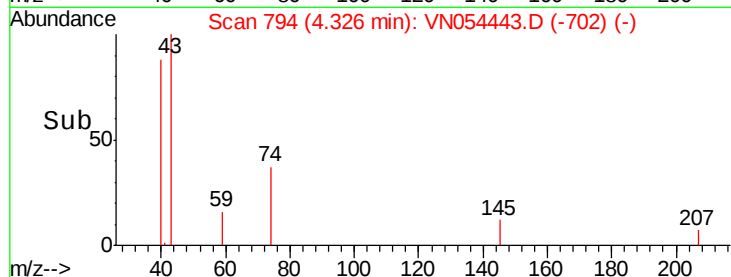
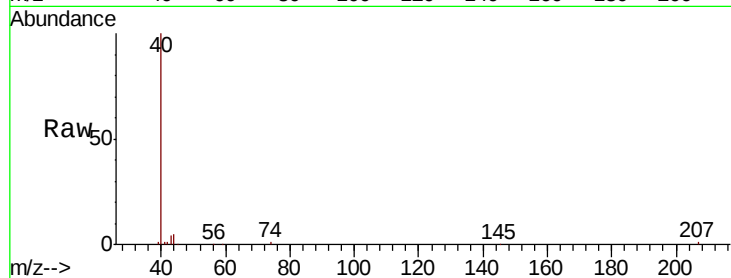




#18  
Methyl Acetate  
Concen: 0.404 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

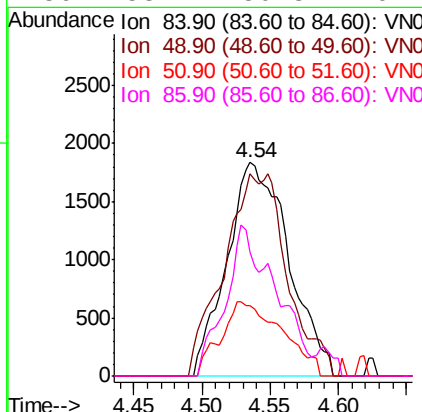
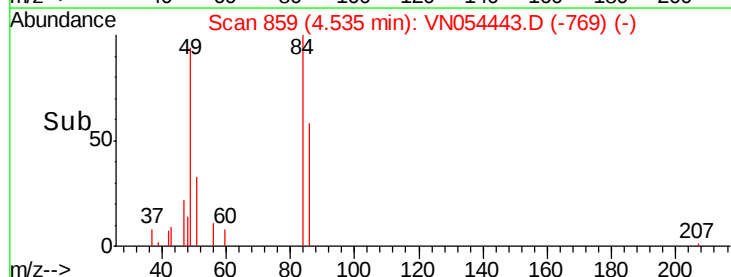
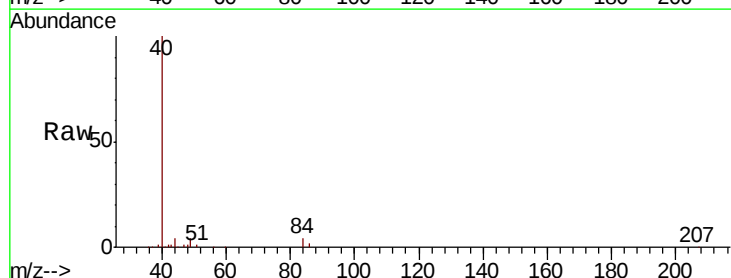
Instrument :  
MSVOA\_N  
ClientSampleId :  
P-7-WEST-WALL-SOUTHME

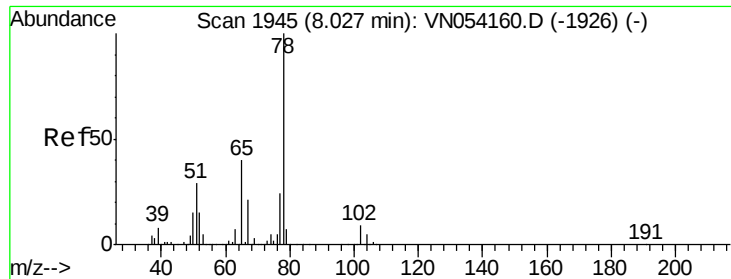
Tgt Ion: 43 Resp: 4616  
Ion Ratio Lower Upper  
43 100  
74 20.6 20.8 31.2#



#20  
Methylene Chloride  
Concen: 0.312 ug/l  
RT: 4.54 min Scan# 859  
Delta R.T. -0.01 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Tgt Ion: 84 Resp: 5786  
Ion Ratio Lower Upper  
84 100  
49 94.4 89.7 134.5  
51 32.7 28.2 42.4  
86 58.4 50.8 76.2





#33

1,2-Dichloroethane-d4

Concen: 39.679 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

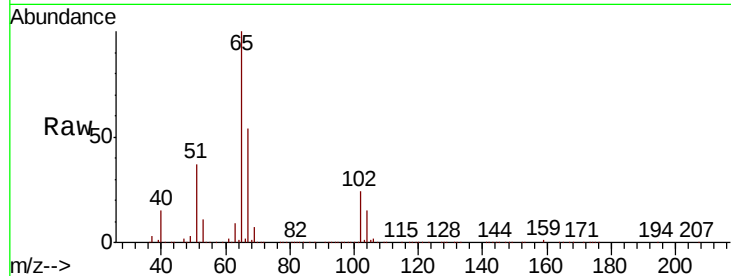
P-7-WEST-WALL-SOUTHME

Tgt Ion: 65 Resp: 782429

Ion Ratio Lower Upper

65 100

67 54.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

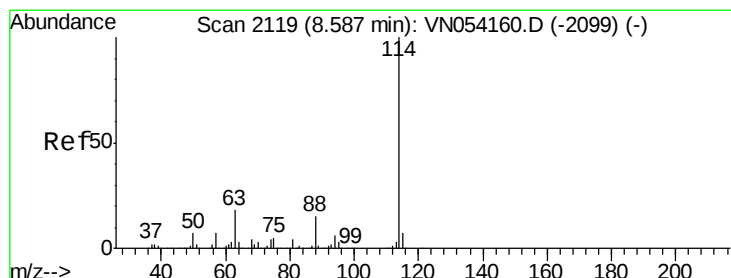
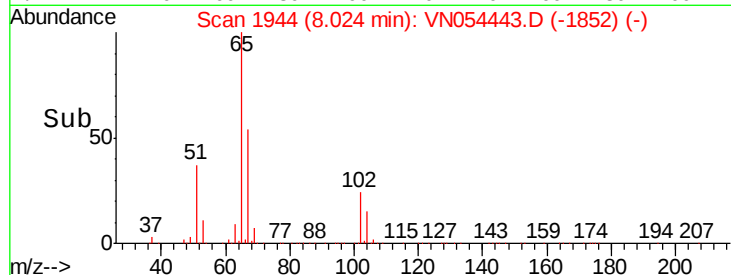
300000

200000

100000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

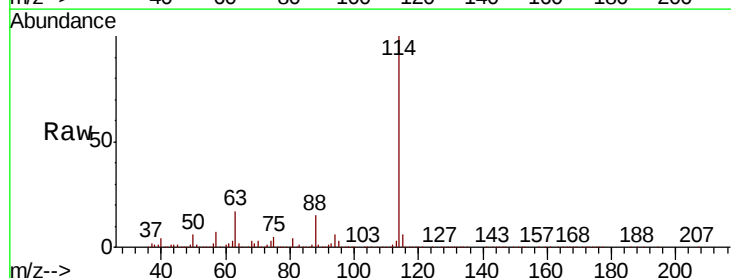
Tgt Ion: 114 Resp: 2652493

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

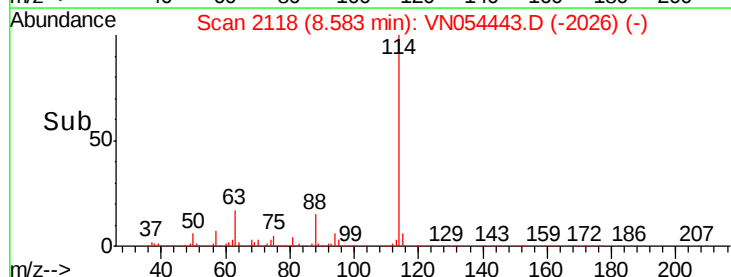
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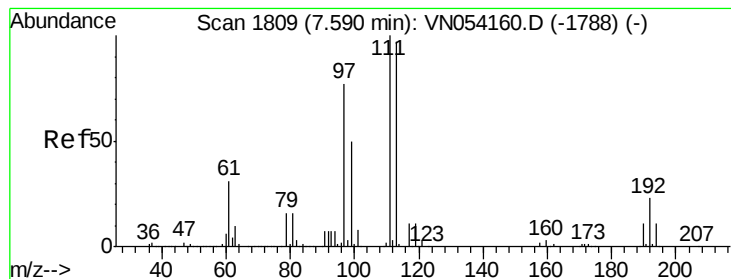
1000000

500000

0

Time--> 8.40 8.60 8.80





#35

Dibromofluoromethane

Concen: 43.621 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

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ClientSampleId :

P-7-WEST-WALL-SOUTHME

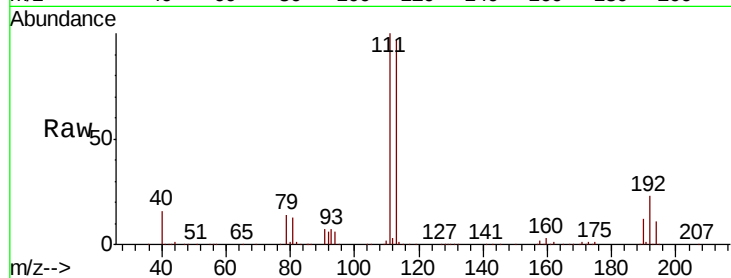
Tgt Ion:113 Resp: 746245

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

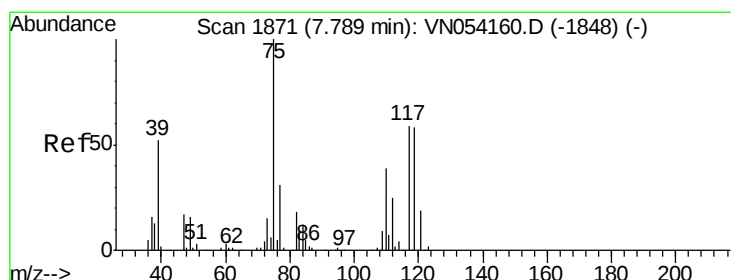
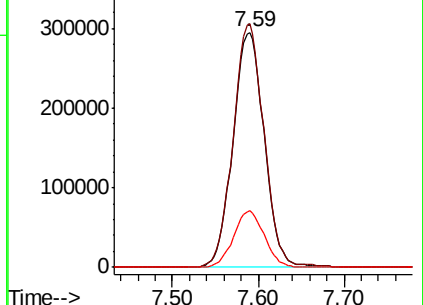
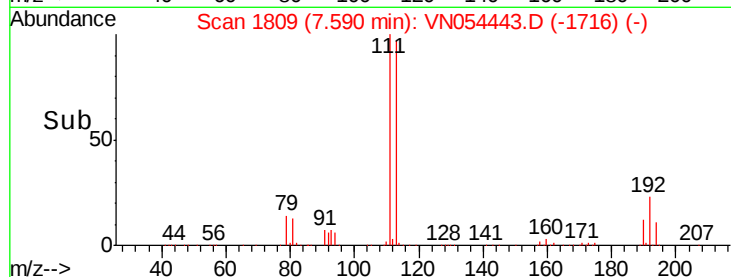
192 23.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.171 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

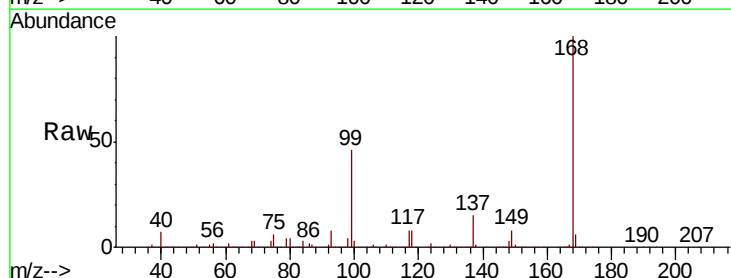
Tgt Ion: 75 Resp: 101888

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.5#

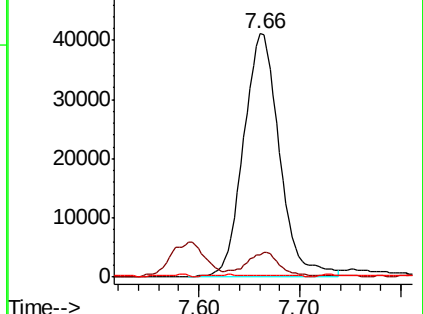
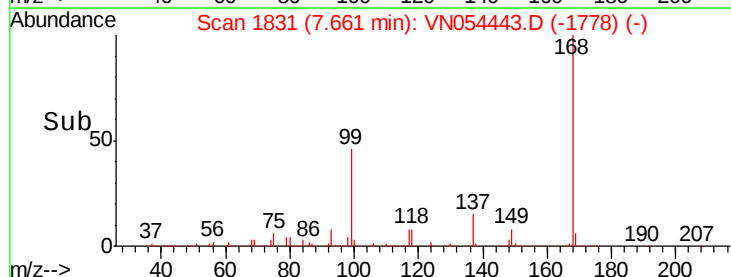
77 0.0 25.0 37.4#

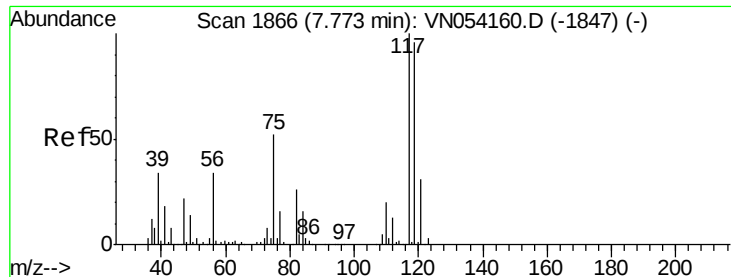


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

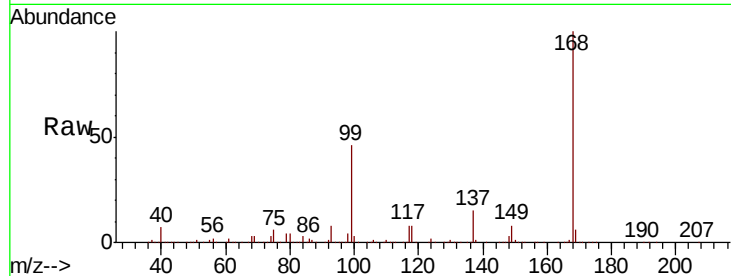




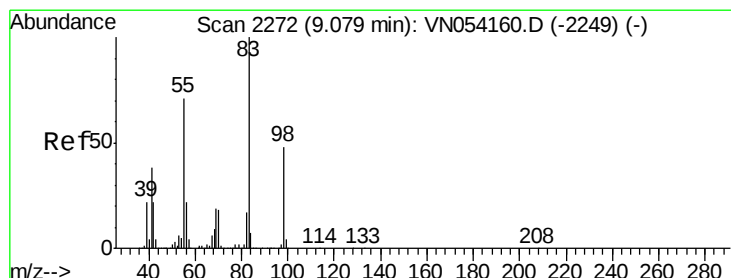
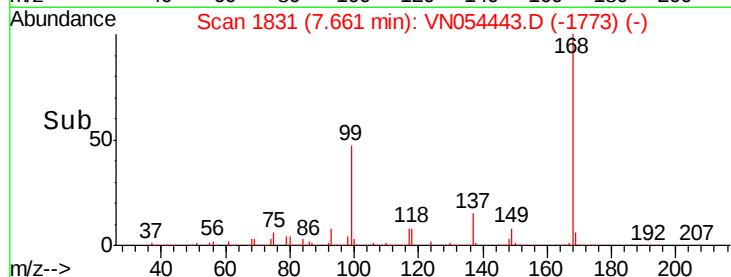
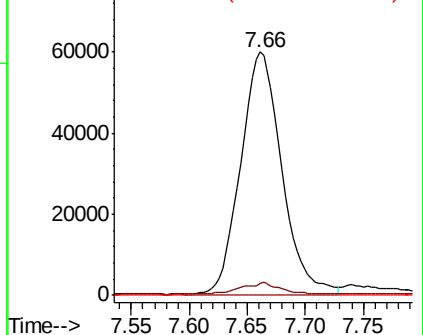
#38  
Carbon Tetrachloride  
Concen: 5.773 ug/l  
RT: 7.66 min Scan# 1831  
Delta R.T. -0.11 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
P-7-WEST-WALL-SOUTHME

Tgt Ion: 117 Resp: 147880  
Ion Ratio Lower Upper  
117 100  
119 4.2 76.3 114.5#  
121 0.0 24.6 36.8#

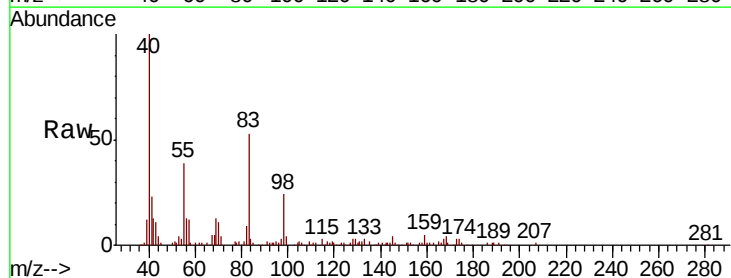


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

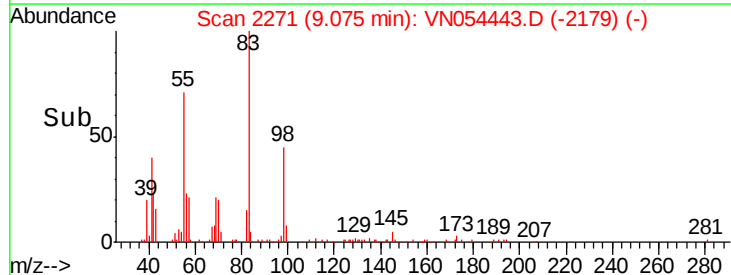
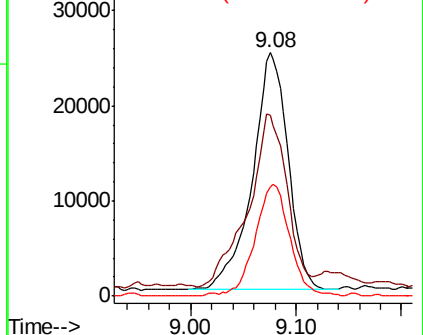


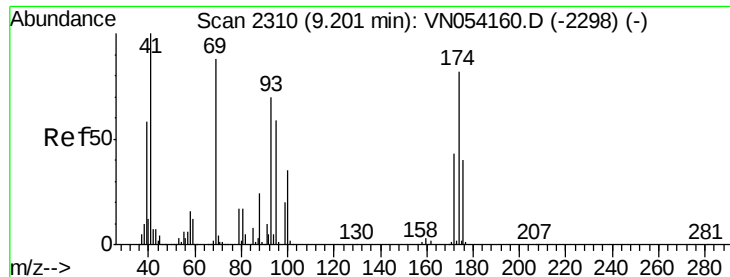
#39  
Methylcyclohexane  
Concen: 1.949 ug/l  
RT: 9.08 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Tgt Ion: 83 Resp: 58584  
Ion Ratio Lower Upper  
83 100  
55 72.3 56.6 84.8  
98 46.2 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VNO  
Ion 55.00 (54.70 to 55.70): VNO  
Ion 98.00 (97.70 to 98.70): VNO

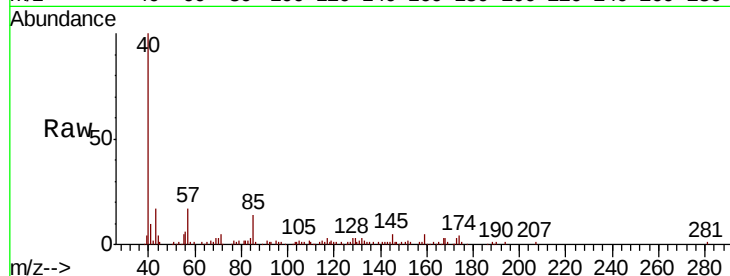




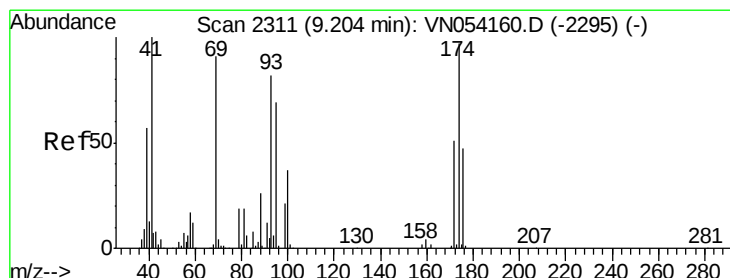
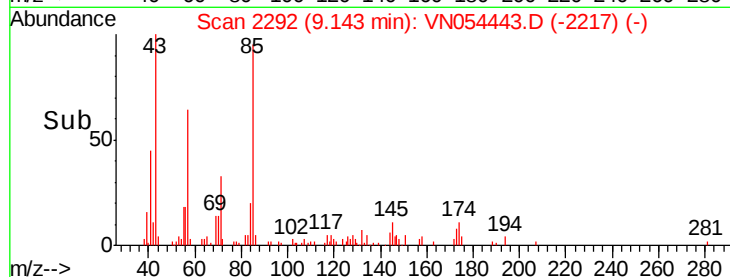
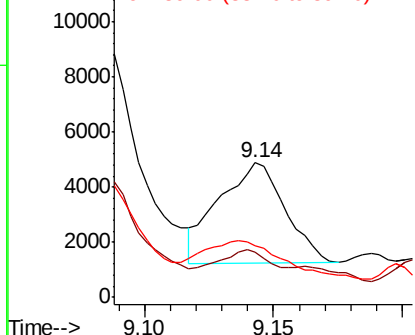
#48  
Methyl methacrylate  
Concen: 0.520 ug/l  
RT: 9.14 min Scan# 2292  
Delta R.T. -0.06 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
P-7-WEST-WALL-SOUTHME

Tgt Ion: 41 Resp: 6497  
Ion Ratio Lower Upper  
41 100  
69 10.9 72.6 108.8#  
39 48.2 47.5 71.3

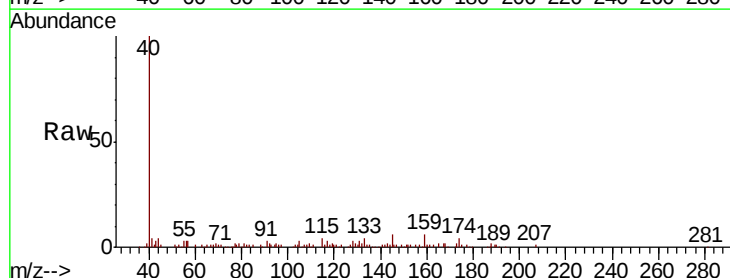


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC

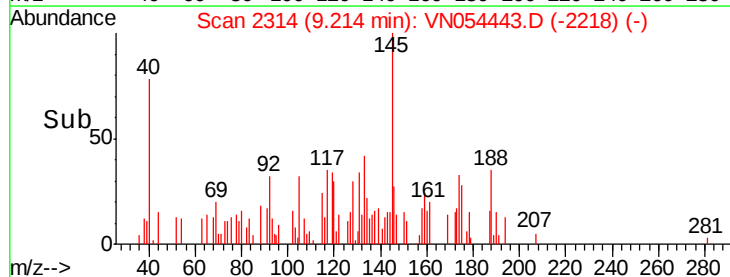
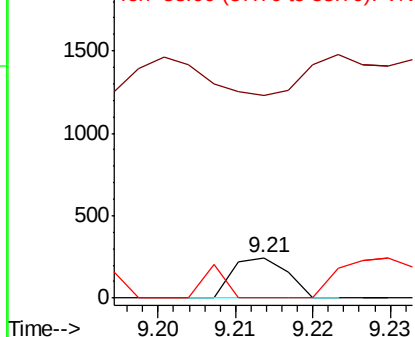


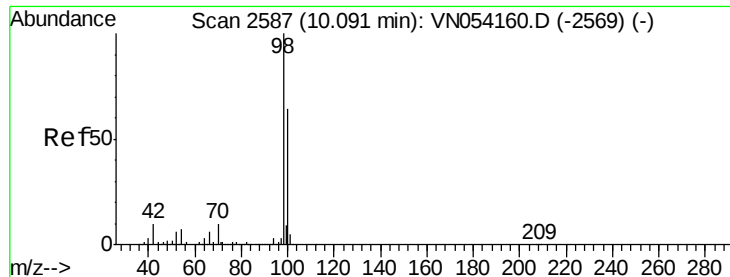
#49  
1,4-Dioxane  
Concen: 0.690 ug/l  
RT: 9.21 min Scan# 2314  
Delta R.T. 0.01 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Tgt Ion: 88 Resp: 122  
Ion Ratio Lower Upper  
88 100  
43 415.6 24.1 36.1#  
58 32.0 50.8 76.2#



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





#50

Toluene-d8

Concen: 49.471 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

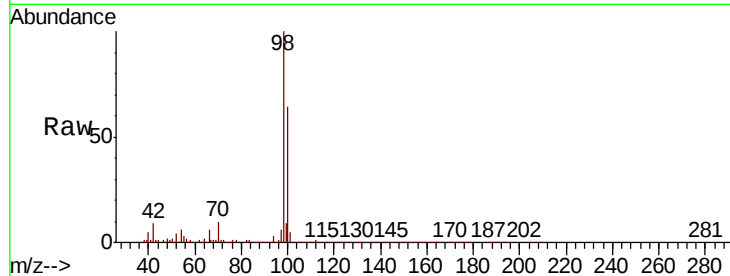
P-7-WEST-WALL-SOUTHME

Tgt Ion: 98 Resp: 3125572

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

1500000

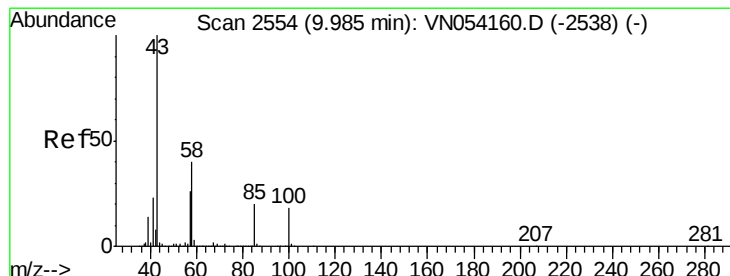
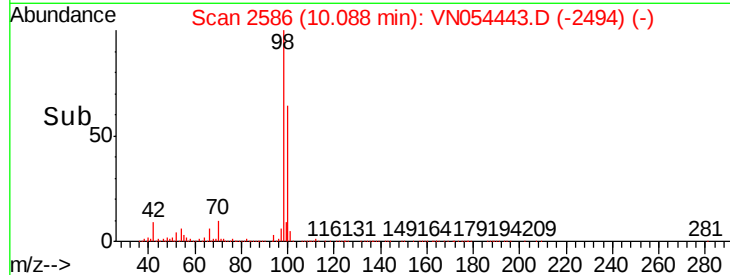
1000000

500000

0

Time-->

10.00 10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 1.319 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN054443.D

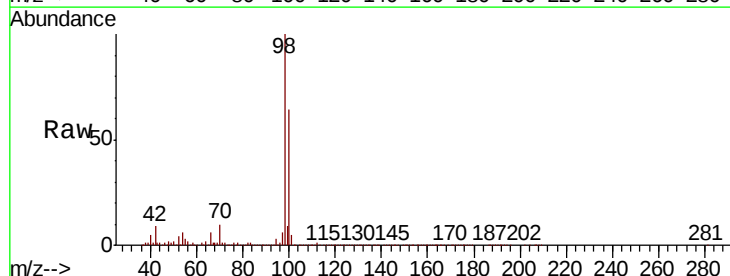
Acq: 19 Mar 2019 16:21

Tgt Ion: 43 Resp: 17193

Ion Ratio Lower Upper

43 100

58 115.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.09

10000

8000

6000

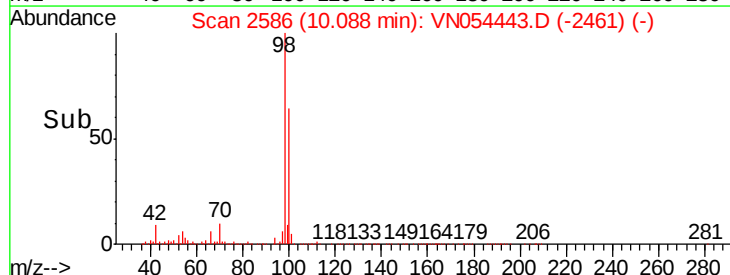
4000

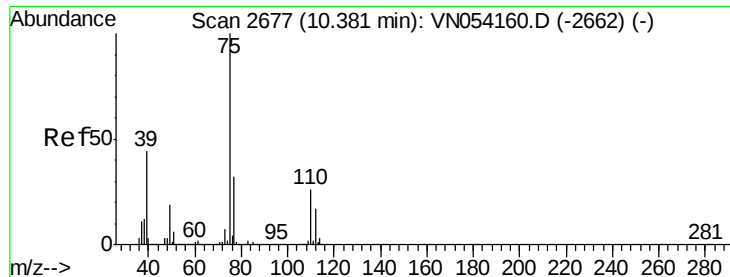
2000

0

Time-->

10.00 10.05 10.10 10.15





#53

t-1,3-Dichloropropene

Concen: 2.020 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

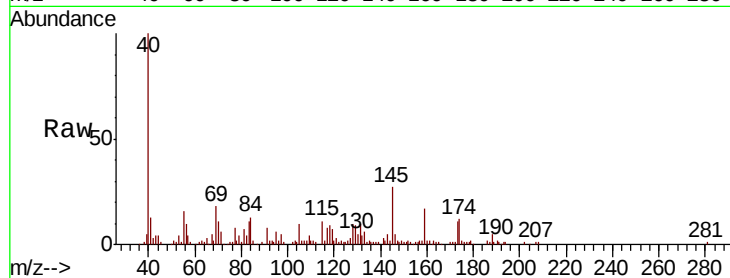
P-7-WEST-WALL-SOUTHME

Tgt Ion: 75 Resp: 948

Ion Ratio Lower Upper

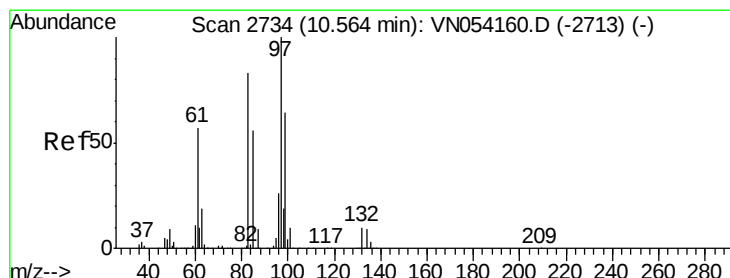
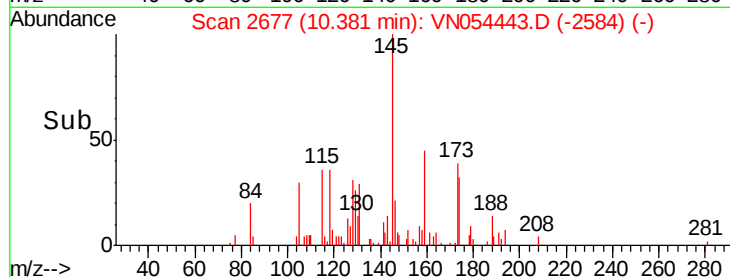
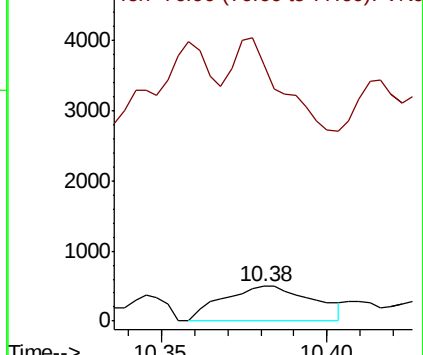
75 100

77 191.8 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#55

1,1,2-Trichloroethane

Concen: 3.473 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Tgt Ion: 97 Resp: 56204

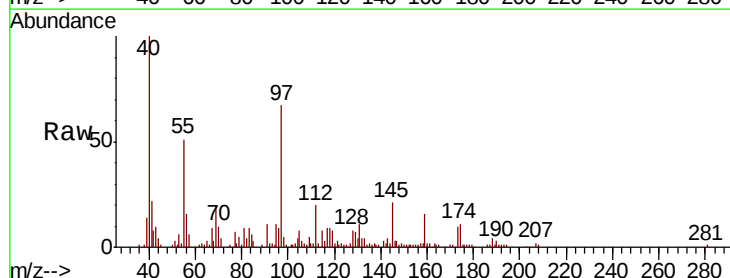
Ion Ratio Lower Upper

97 100

83 8.1 66.6 100.0#

85 2.9 44.4 66.6#

99 0.5 50.8 76.2#

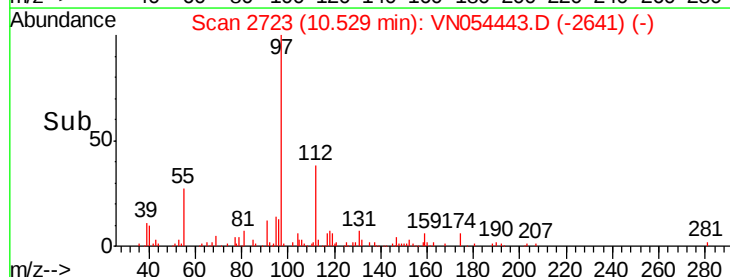
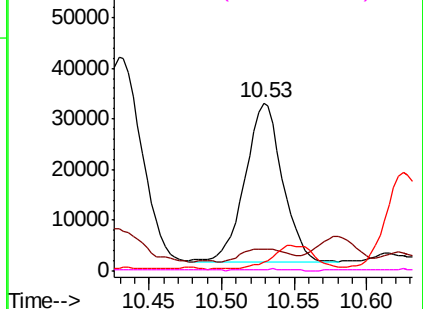


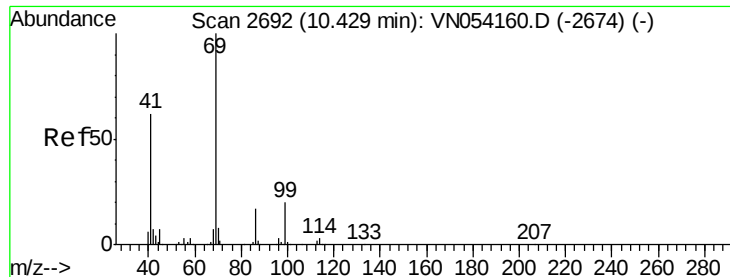
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.970 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

P-7-WEST-WALL-SOUTHME

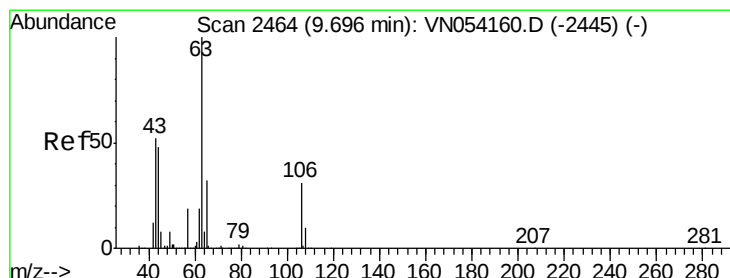
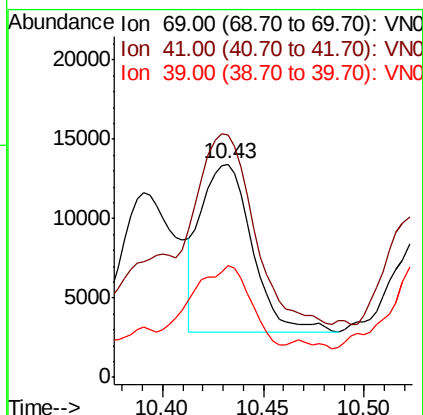
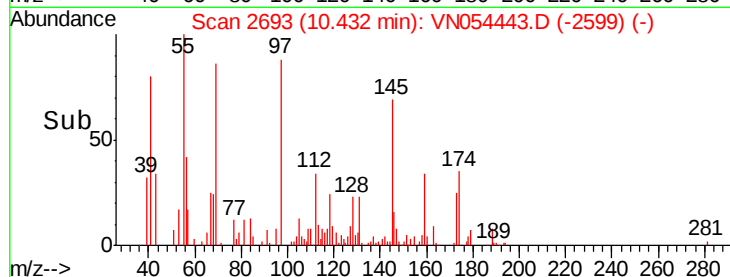
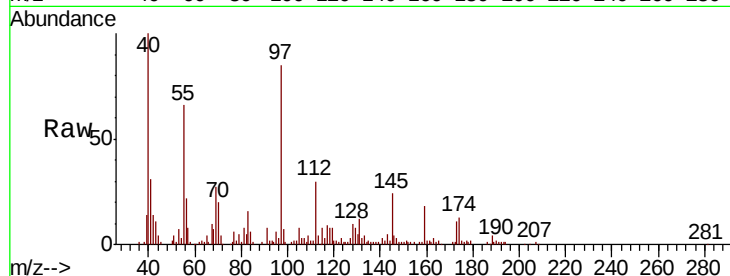
Tgt Ion: 69 Resp: 18710

Ion Ratio Lower Upper

69 100

41 127.5 49.4 74.2#

39 53.5 28.3 42.5#



#58

2-Chloroethyl Vinyl ether

Concen: 16.852 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.14 min

Lab File: VN054443.D

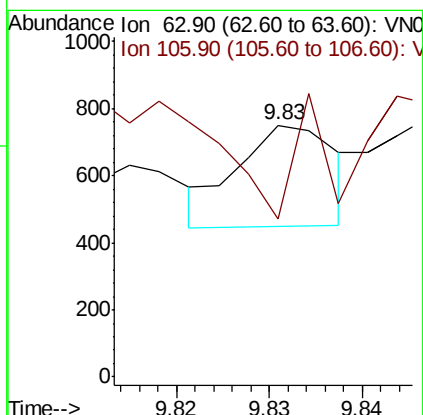
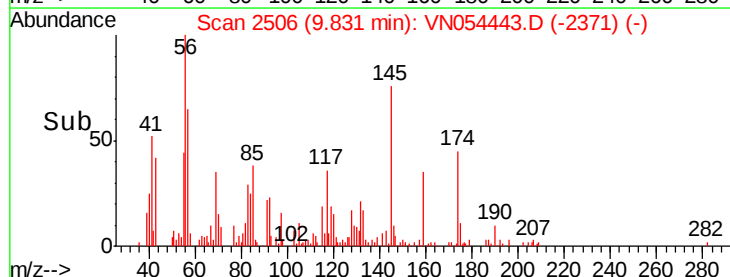
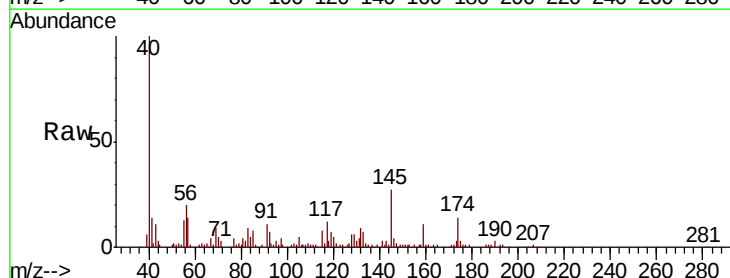
Acq: 19 Mar 2019 16:21

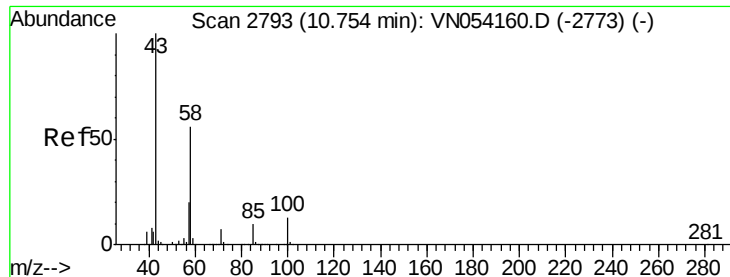
Tgt Ion: 63 Resp: 219

Ion Ratio Lower Upper

63 100

106 36.5 24.4 36.6

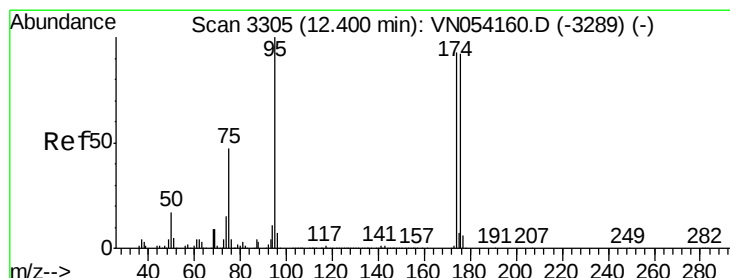
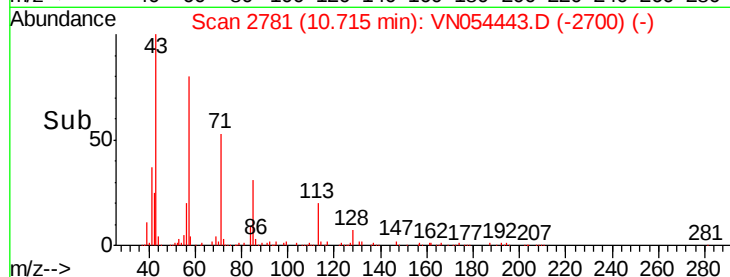
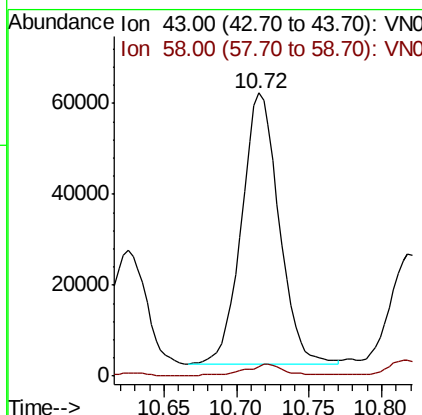
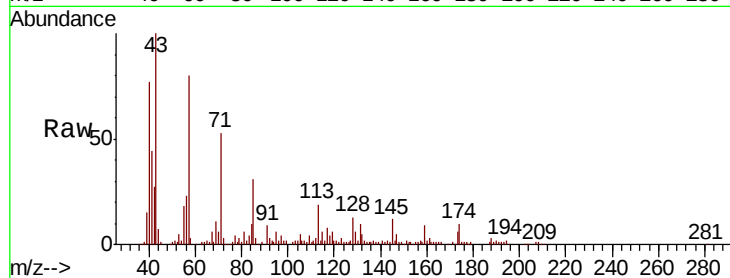




#59  
2-Hexanone  
Concen: 12.330 ug/l  
RT: 10.72 min Scan# 2781  
Delta R.T. -0.04 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

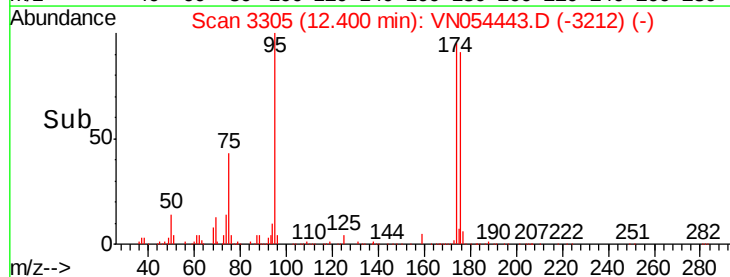
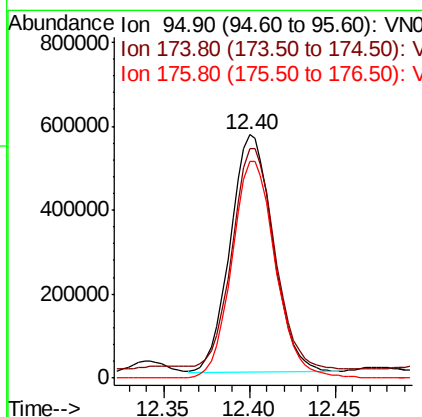
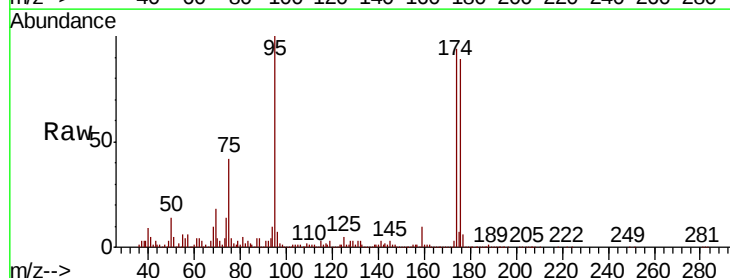
Instrument :  
MSVOA\_N  
ClientSampleId :  
P-7-WEST-WALL-SOUTHME

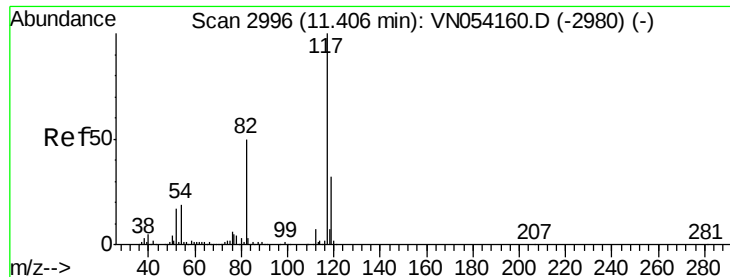
Tgt Ion: 43 Resp: 106968  
Ion Ratio Lower Upper  
43 100  
58 4.9 28.0 83.9#



#62  
4-Bromofluorobenzene  
Concen: 44.659 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Tgt Ion: 95 Resp: 987281  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 191.0  
176 92.3 0.0 187.4

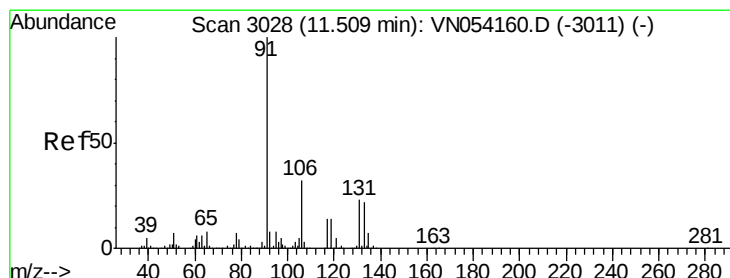
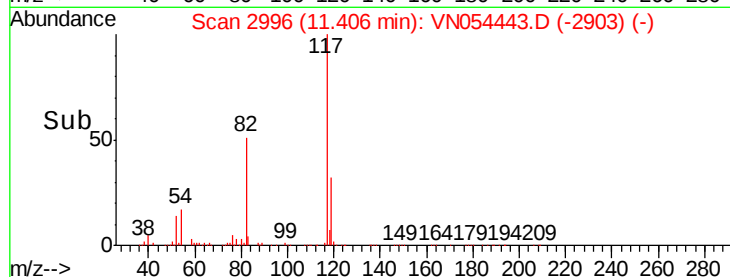
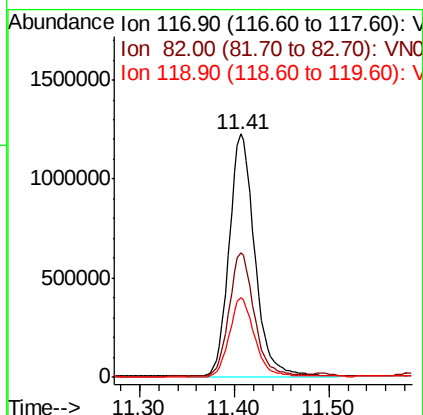
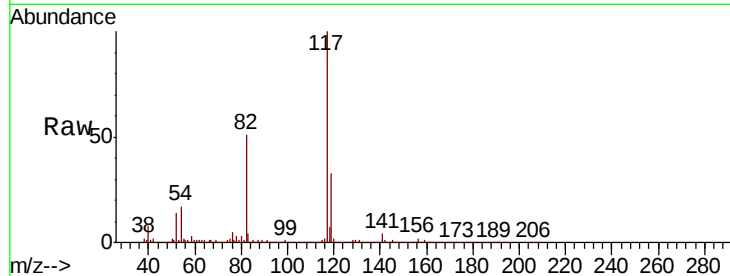




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

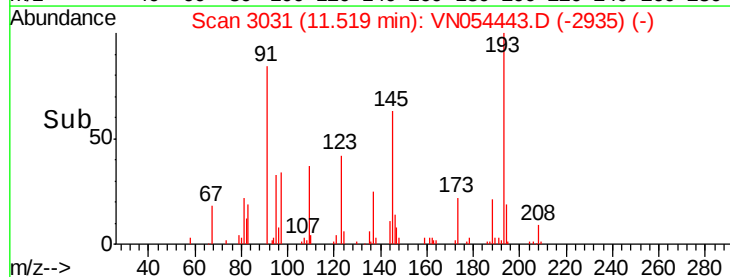
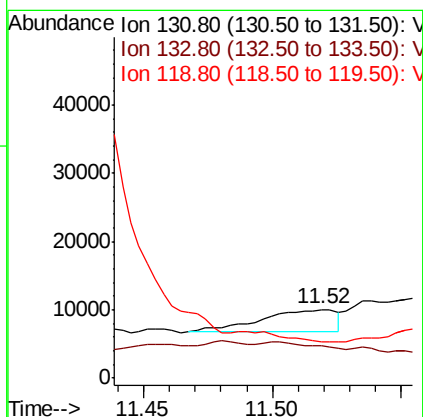
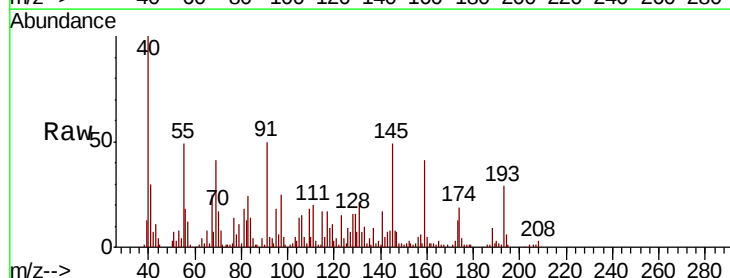
Instrument :  
MSVOA\_N  
ClientSampleId :  
P-7-WEST-WALL-SOUTHME

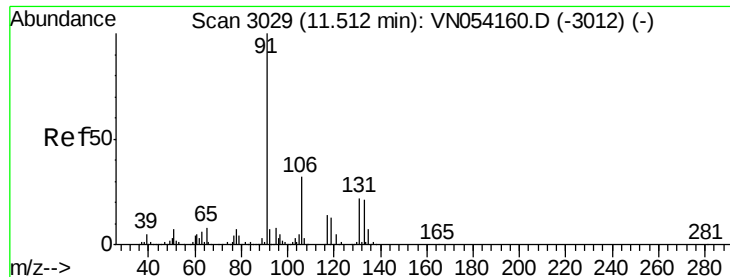
Tgt Ion:117 Resp: 2293282  
Ion Ratio Lower Upper  
117 100  
82 50.8 40.0 60.0  
119 32.6 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.373 ug/l  
RT: 11.52 min Scan# 3031  
Delta R.T. 0.01 min  
Lab File: VN054443.D  
Acq: 19 Mar 2019 16:21

Tgt Ion:131 Resp: 6820  
Ion Ratio Lower Upper  
131 100  
133 0.0 47.6 142.9#  
119 0.0 32.4 97.0#





#67

Ethyl Benzene

Concen: 0.563 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

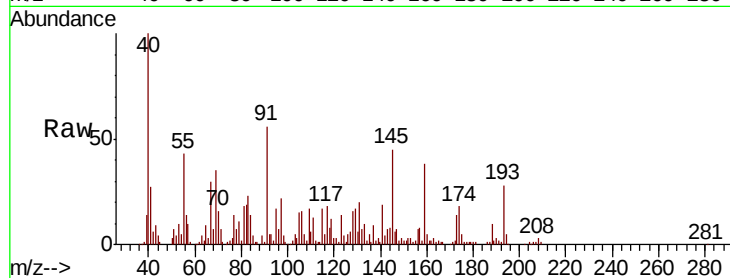
P-7-WEST-WALL-SOUTHME

Tgt Ion: 91 Resp: 46974

Ion Ratio Lower Upper

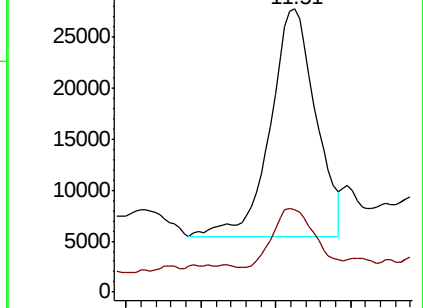
91 100

106 24.6 25.5 38.3#

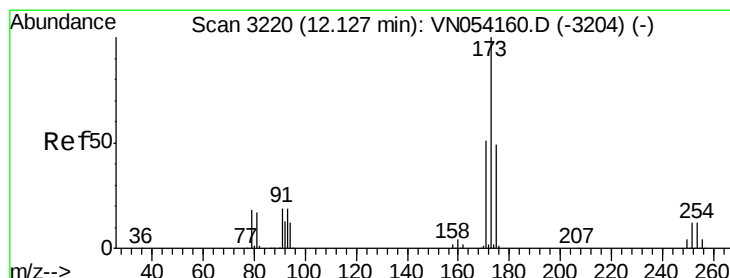
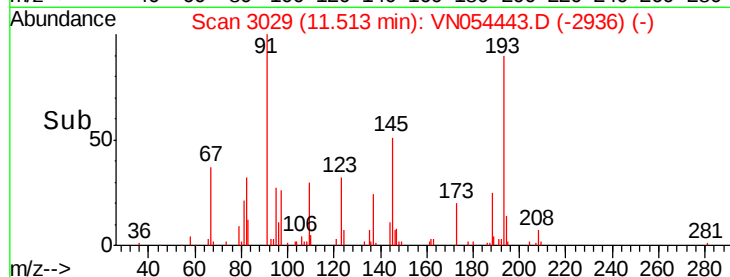


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)



Time-->



#71

Bromoform

Concen: 4.196 ug/l

RT: 12.17 min Scan# 3232

Delta R.T. 0.04 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

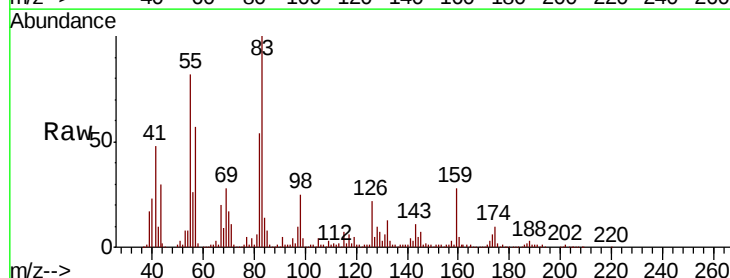
Tgt Ion: 173 Resp: 27001

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

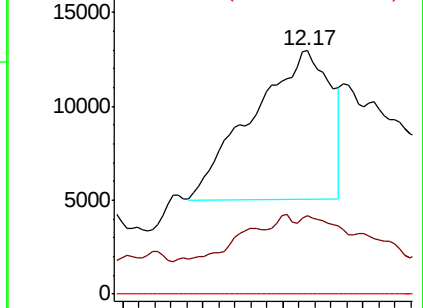
254 0.0 0.1 0.1#



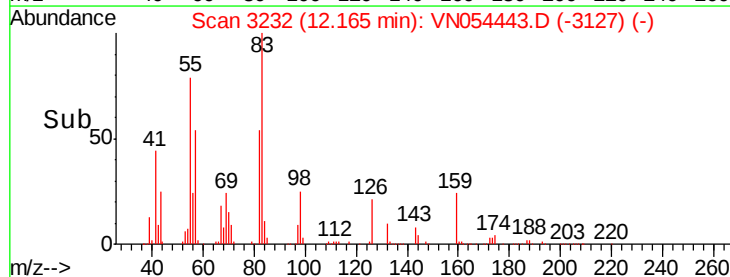
Abundance Ion 172.70 (172.40 to 173.40): VN054160.D (-3204) (-)

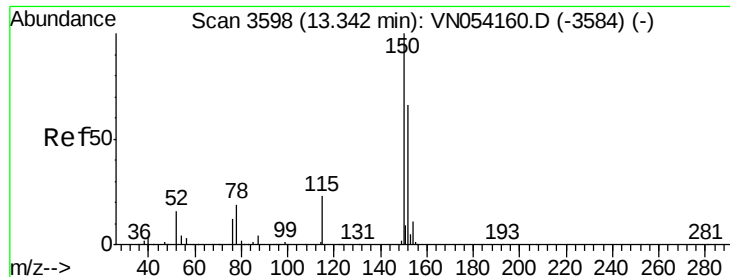
Ion 174.70 (174.40 to 175.40): VN054160.D (-3204) (-)

Ion 254.40 (254.10 to 255.10): VN054160.D (-3204) (-)



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

P-7-WEST-WALL-SOUTHME

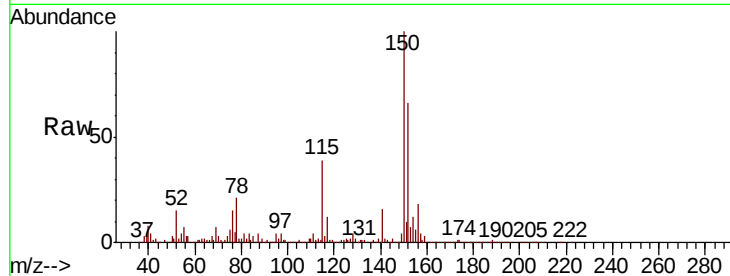
Tgt Ion:152 Resp: 1147772

Ion Ratio Lower Upper

152 100

115 61.6 27.2 81.6

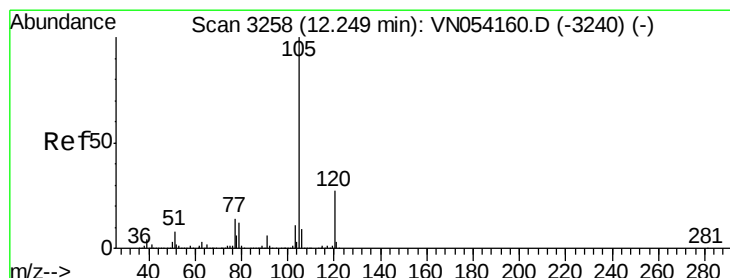
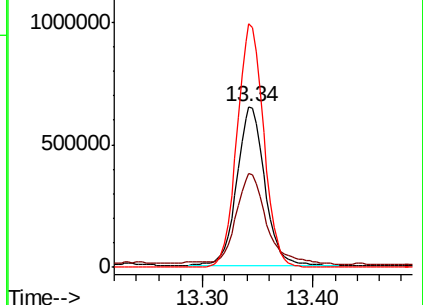
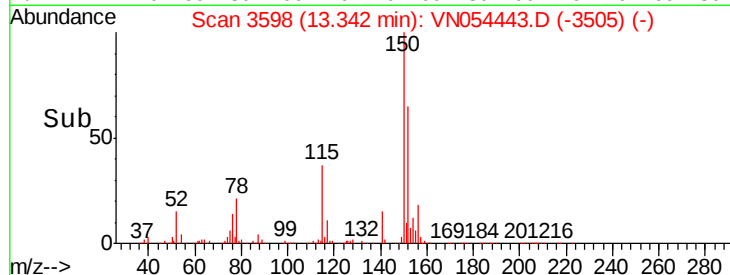
150 144.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.872 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054443.D

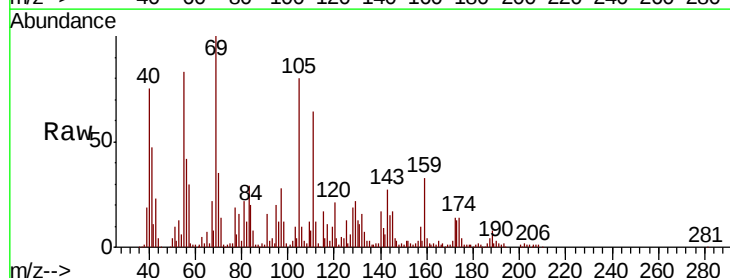
Acq: 19 Mar 2019 16:21

Tgt Ion:105 Resp: 80036

Ion Ratio Lower Upper

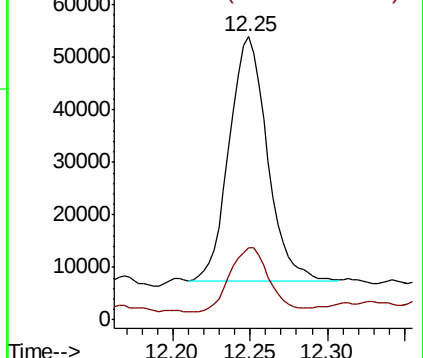
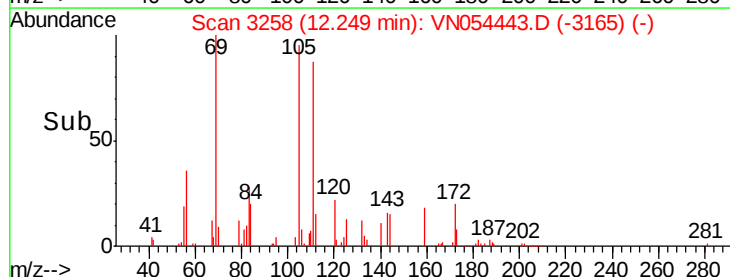
105 100

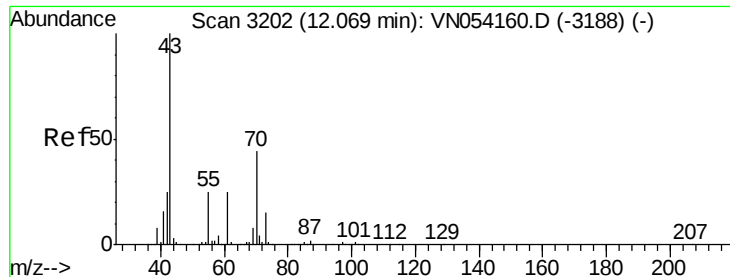
120 26.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 8.873 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

P-7-WEST-WALL-SOUTHME

Tgt Ion: 43 Resp: 180851

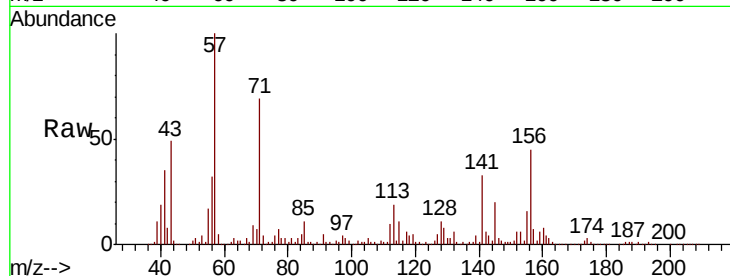
Ion Ratio Lower Upper

43 100

70 9.8 35.4 53.0#

55 9.0 19.8 29.6#

61 0.2 19.8 29.6#

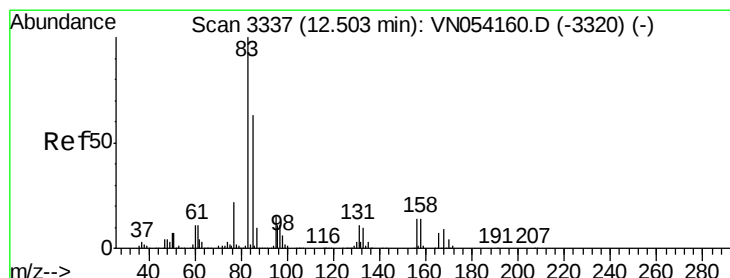
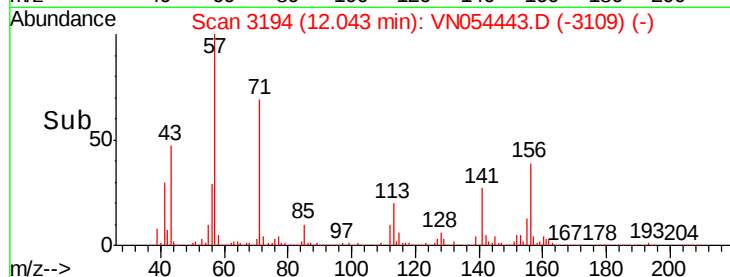
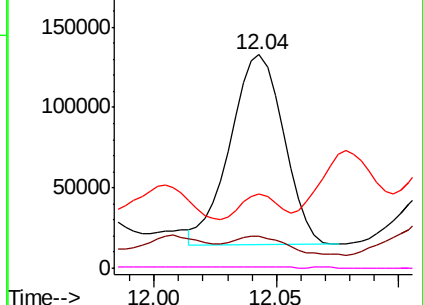


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.619 ug/l

RT: 12.46 min Scan# 3323

Delta R.T. -0.04 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

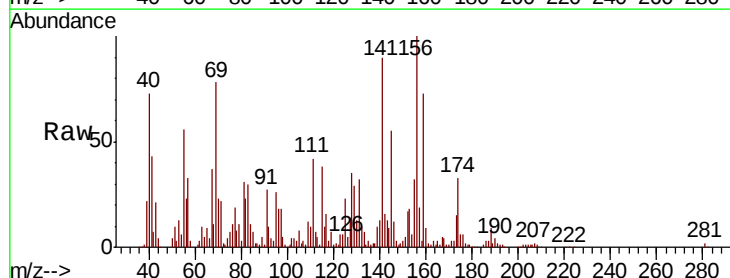
Tgt Ion: 83 Resp: 12119

Ion Ratio Lower Upper

83 100

131 124.2 5.8 17.4#

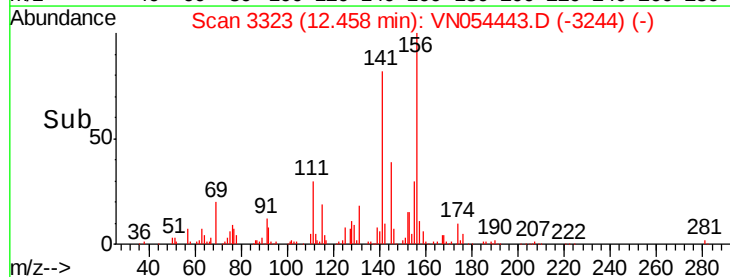
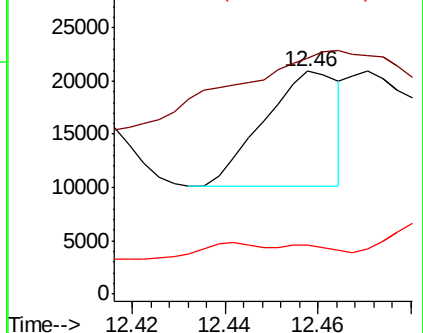
85 0.0 32.2 96.6#

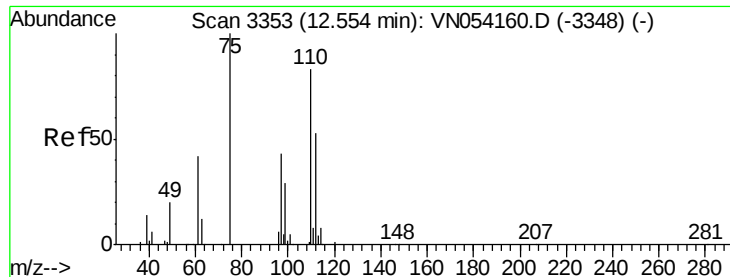


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 2.712 ug/l

RT: 12.54 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

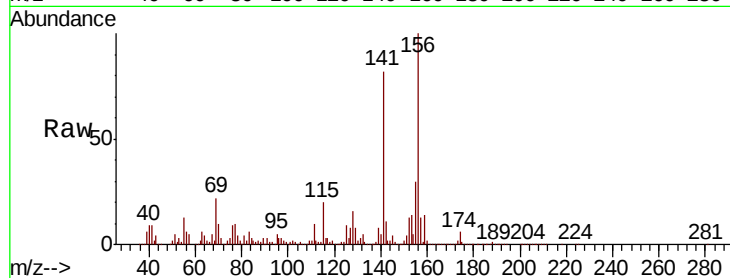
P-7-WEST-WALL-SOUTHME

Tgt Ion: 75 Resp: 45768

Ion Ratio Lower Upper

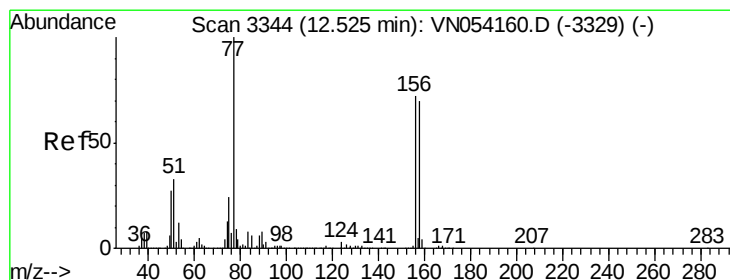
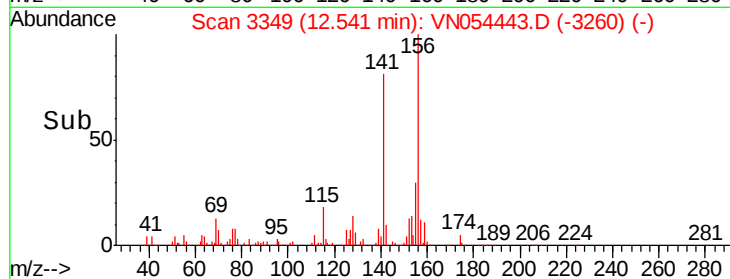
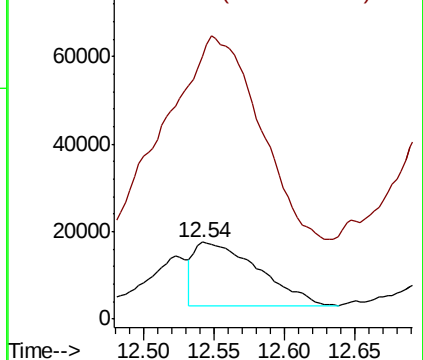
75 100

77 728.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 148.045 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.02 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

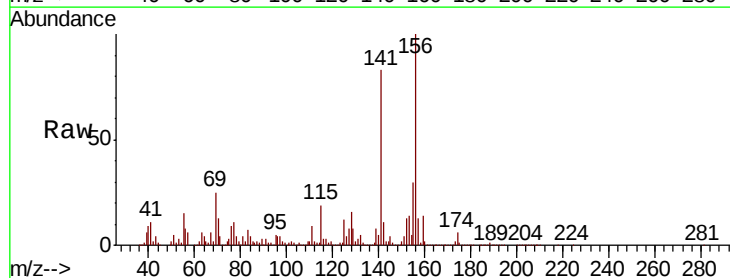
Tgt Ion: 156 Resp: 3597397

Ion Ratio Lower Upper

156 100

77 9.3 81.5 244.4#

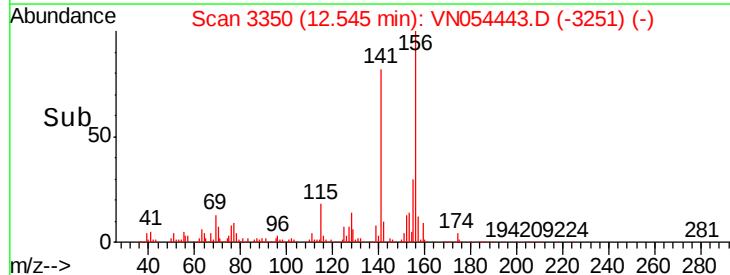
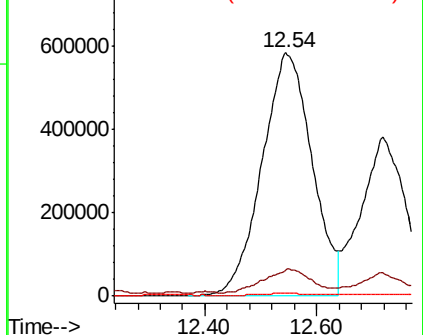
158 0.1 49.0 147.2#

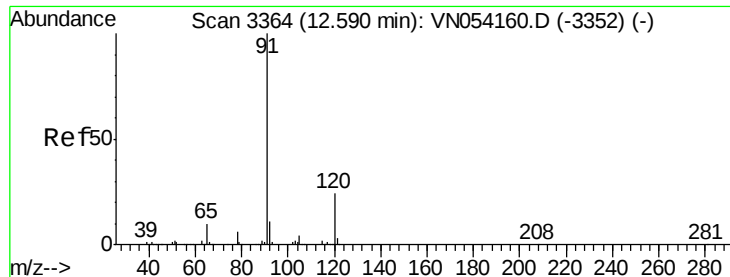


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.313 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

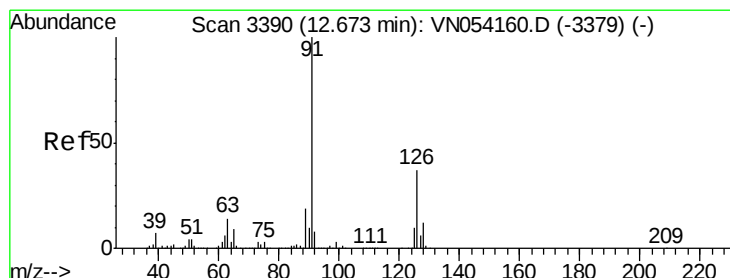
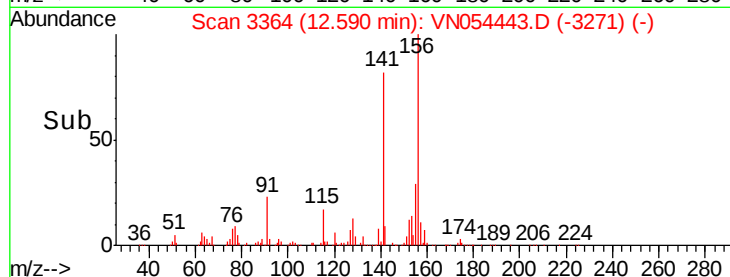
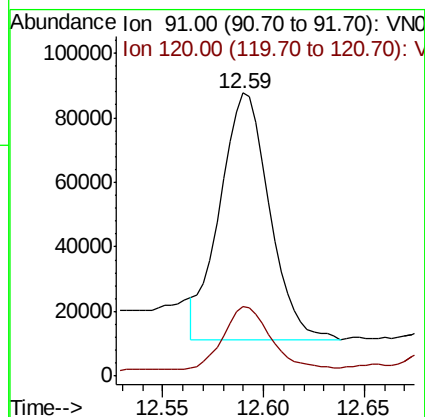
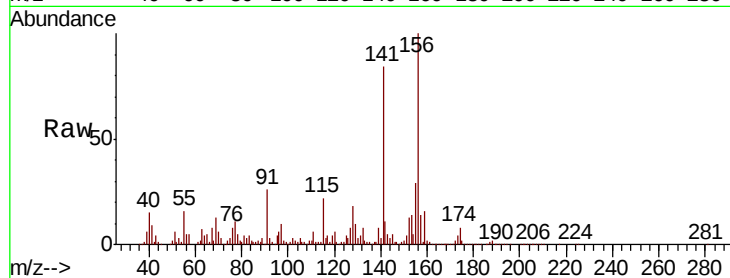
P-7-WEST-WALL-SOUTHME

Tgt Ion: 91 Resp: 130798

Ion Ratio Lower Upper

91 100

120 25.4 12.3 36.9



#79

2-Chlorotoluene

Concen: 0.603 ug/l

RT: 12.72 min Scan# 3404

Delta R.T. 0.05 min

Lab File: VN054443.D

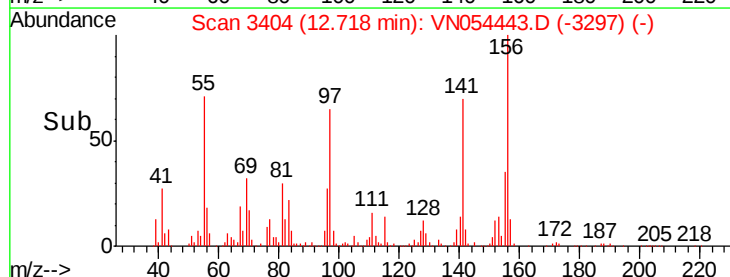
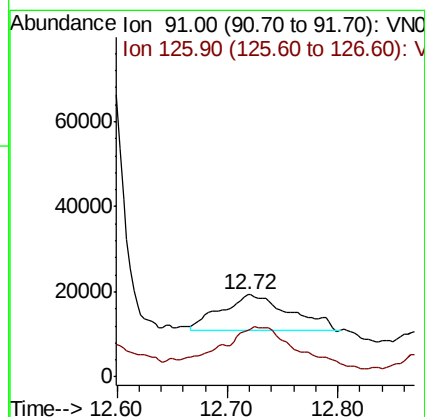
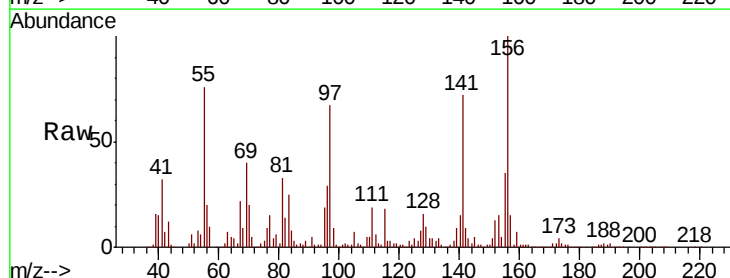
Acq: 19 Mar 2019 16:21

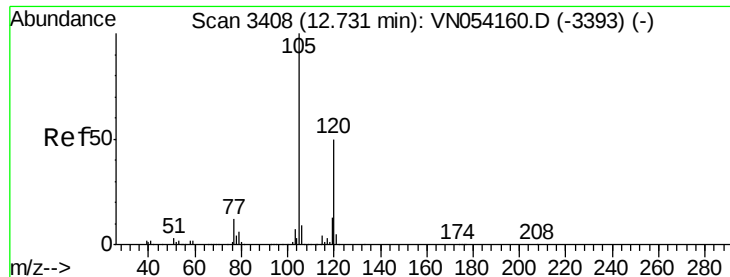
Tgt Ion: 91 Resp: 36122

Ion Ratio Lower Upper

91 100

126 119.2 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 0.380 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.16 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

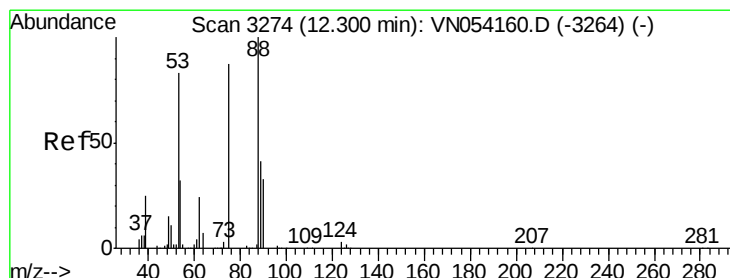
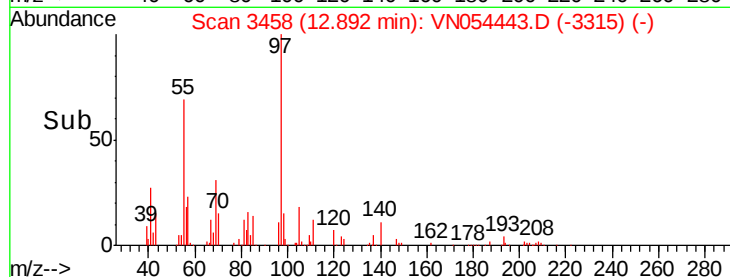
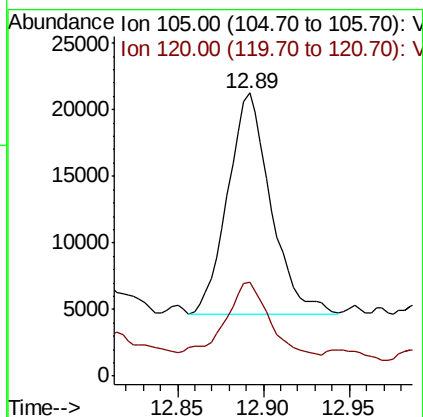
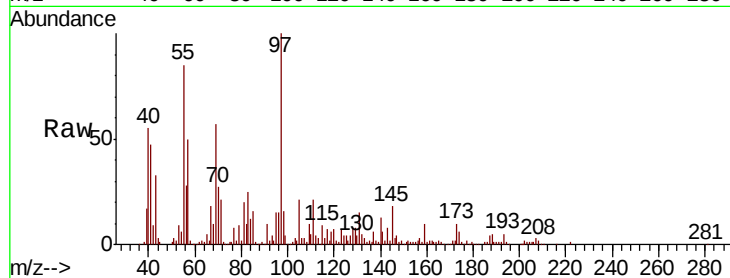
P-7-WEST-WALL-SOUTHME

Tgt Ion:105 Resp: 29026

Ion Ratio Lower Upper

105 100

120 32.2 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 87.666 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

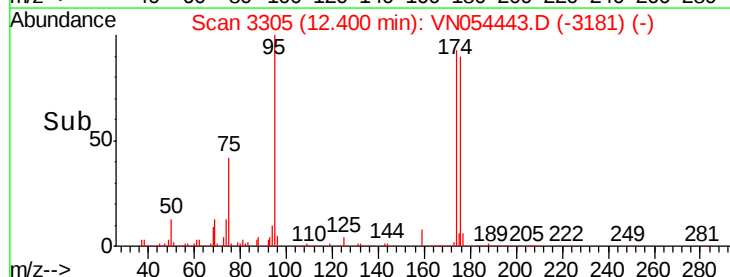
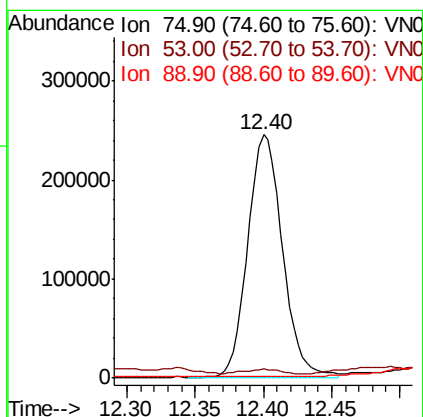
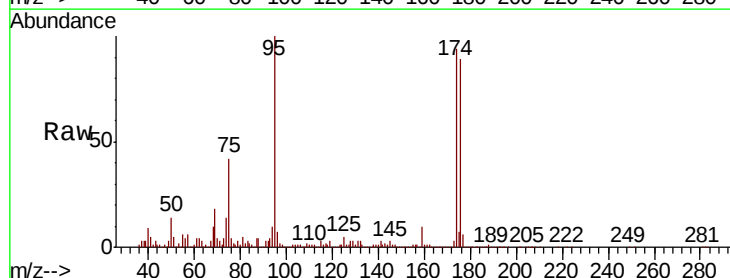
Tgt Ion: 75 Resp: 432848

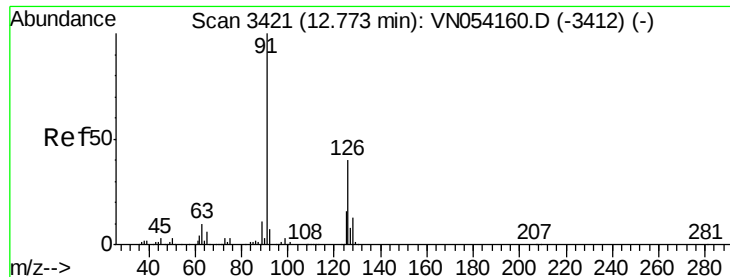
Ion Ratio Lower Upper

75 100

53 2.0 76.2 114.2#

89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 0.604 ug/l

RT: 12.72 min Scan# 3404

Delta R.T. -0.05 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

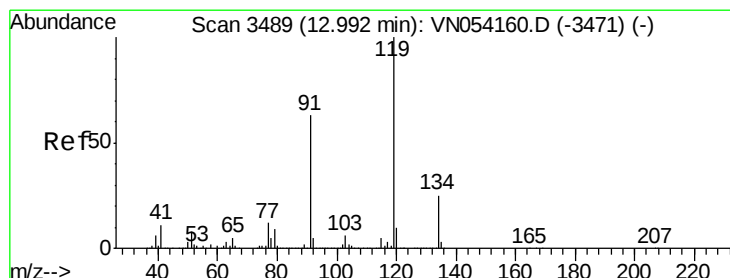
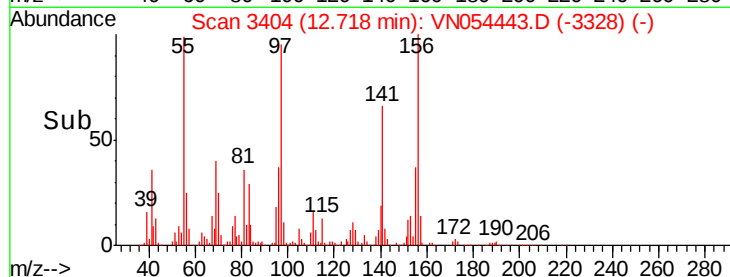
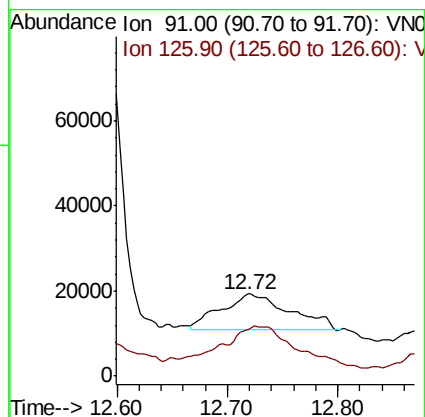
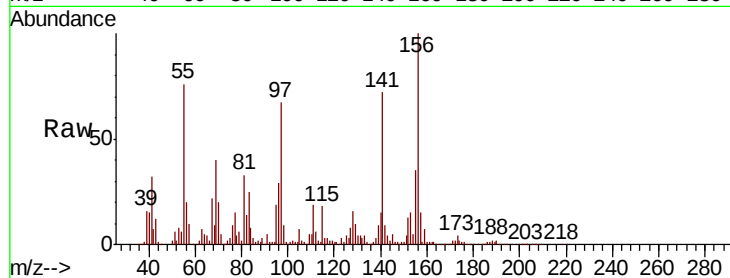
P-7-WEST-WALL-SOUTHME

Tgt Ion: 91 Resp: 36122

Ion Ratio Lower Upper

91 100

126 119.2 18.1 54.1#



#83

tert-Butylbenzene

Concen: 0.235 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

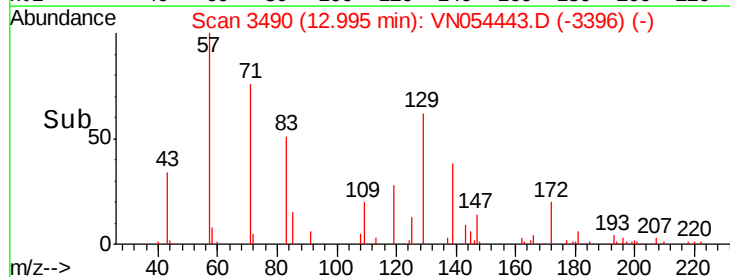
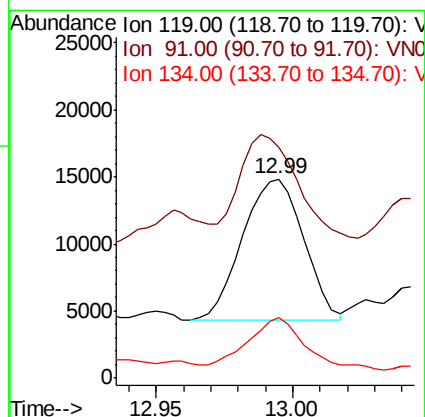
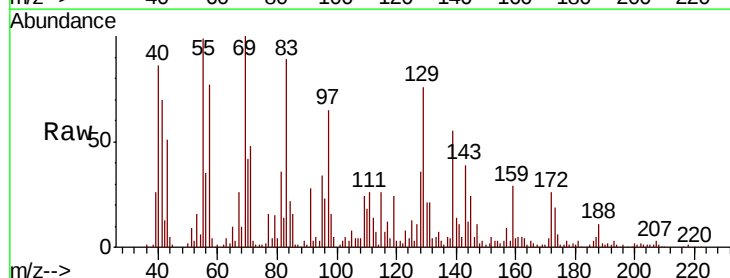
Tgt Ion: 119 Resp: 16503

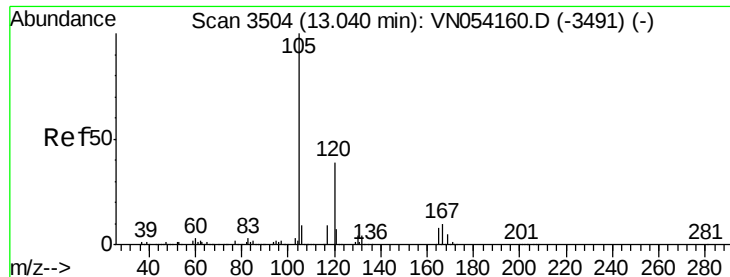
Ion Ratio Lower Upper

119 100

91 68.6 30.9 92.8

134 34.9 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 0.595 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

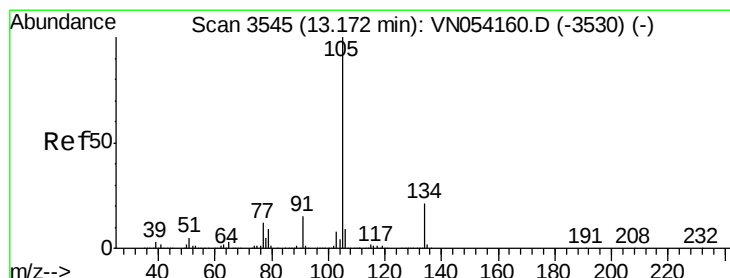
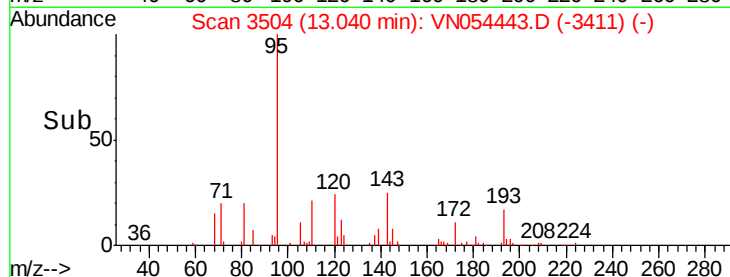
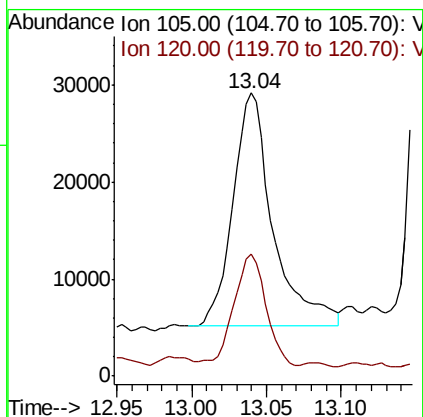
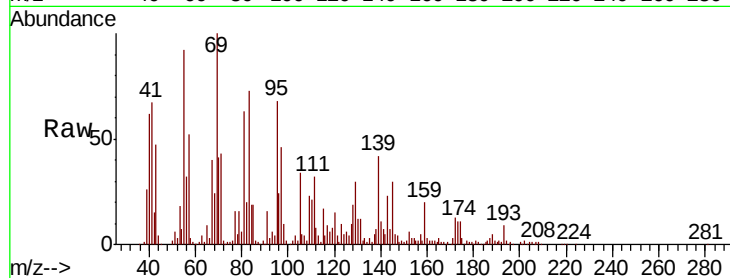
P-7-WEST-WALL-SOUTHME

Tgt Ion:105 Resp: 44618

Ion Ratio Lower Upper

105 100

120 38.5 23.4 70.3



#85

sec-Butylbenzene

Concen: 6.564 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054443.D

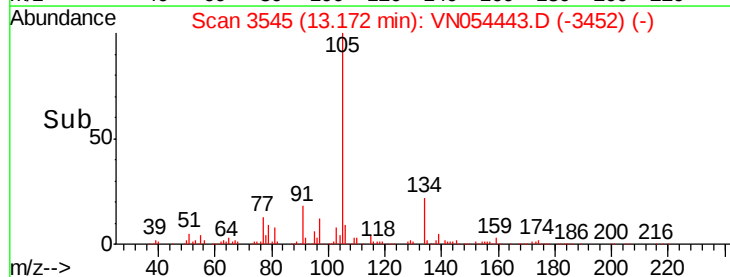
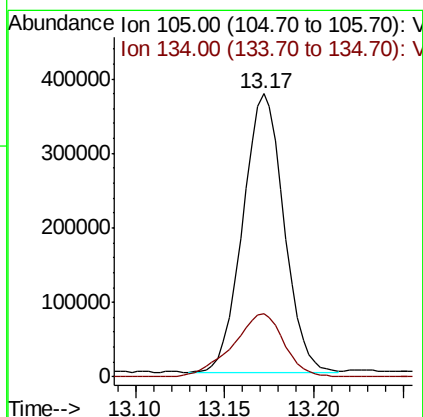
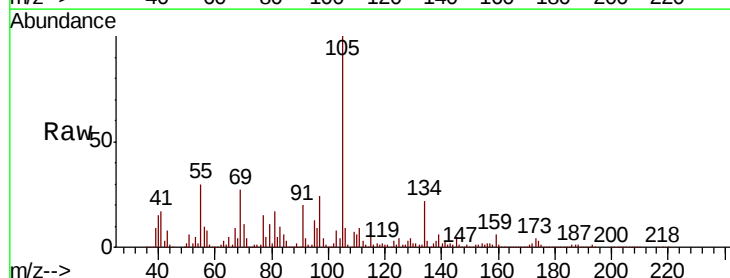
Acq: 19 Mar 2019 16:21

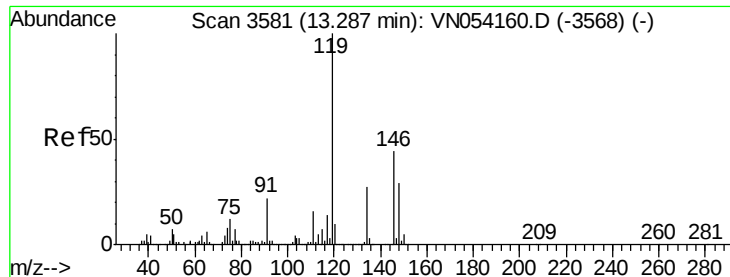
Tgt Ion:105 Resp: 598506

Ion Ratio Lower Upper

105 100

134 28.0 10.7 32.1

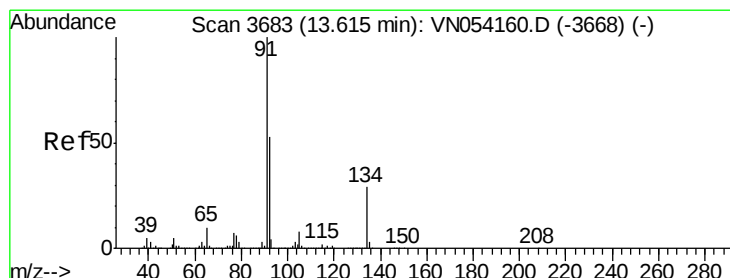
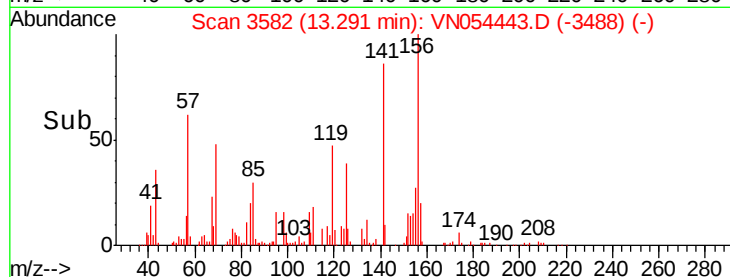
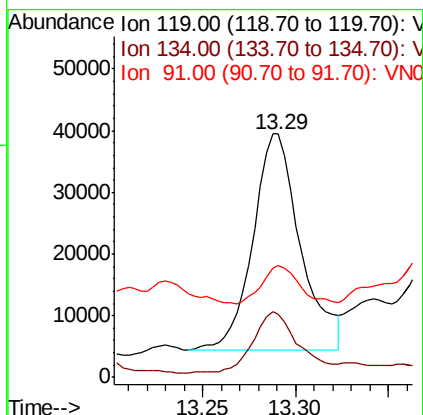
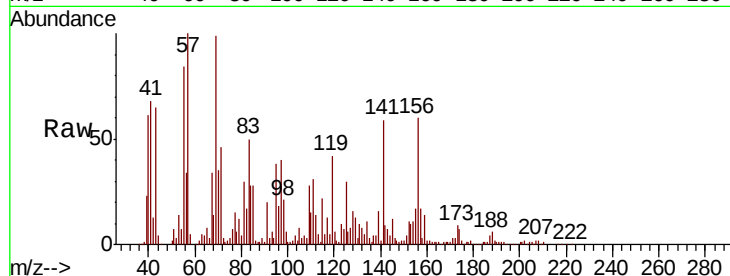




#86  
 p-Isopropyltoluene  
 Concen: 0.784 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN054443.D  
 Acq: 19 Mar 2019 16:21

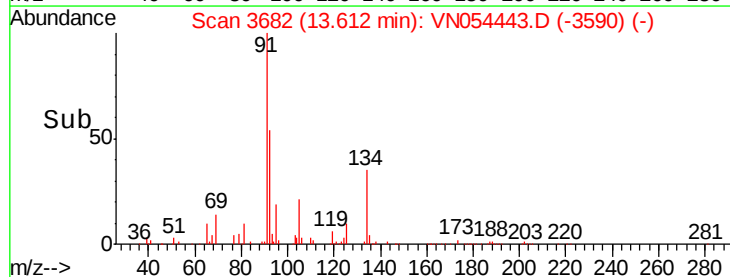
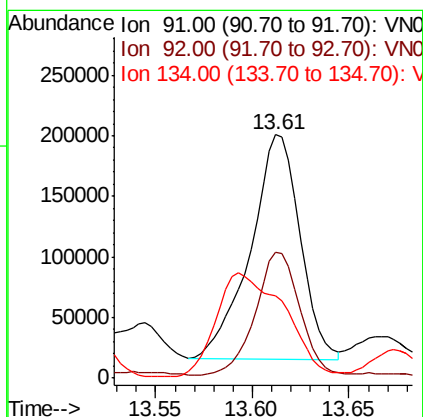
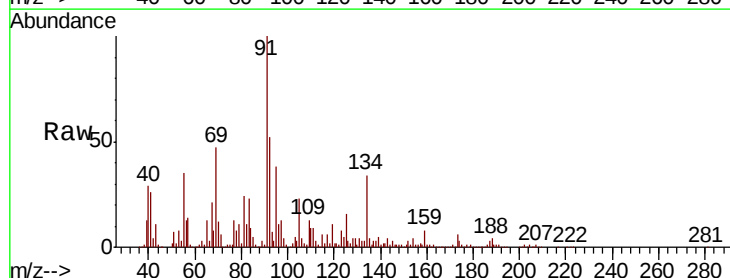
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-7-WEST-WALL-SOUTHME

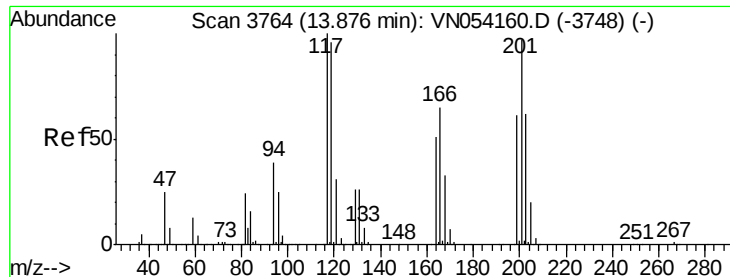
Tgt Ion: 119 Resp: 62741  
 Ion Ratio Lower Upper  
 119 100  
 134 27.3 13.6 40.8  
 91 15.0 11.1 33.3



#89  
 n-Butylbenzene  
 Concen: 5.431 ug/l  
 RT: 13.61 min Scan# 3682  
 Delta R.T. -0.00 min  
 Lab File: VN054443.D  
 Acq: 19 Mar 2019 16:21

Tgt Ion: 91 Resp: 330048  
 Ion Ratio Lower Upper  
 91 100  
 92 49.2 26.2 78.6  
 134 63.1 14.3 42.9#





#90

Hexachloroethane

Concen: 9.113 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

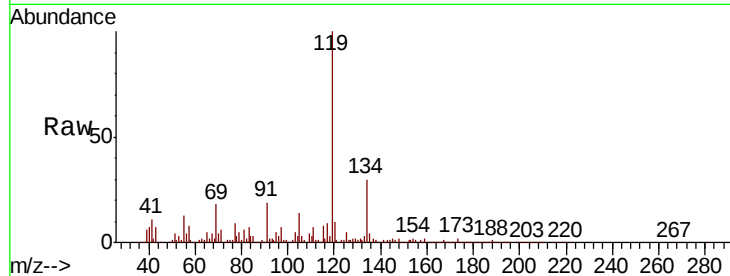
P-7-WEST-WALL-SOUTHME

Tgt Ion: 117 Resp: 120701

Ion Ratio Lower Upper

117 100

201 0.6 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

150000

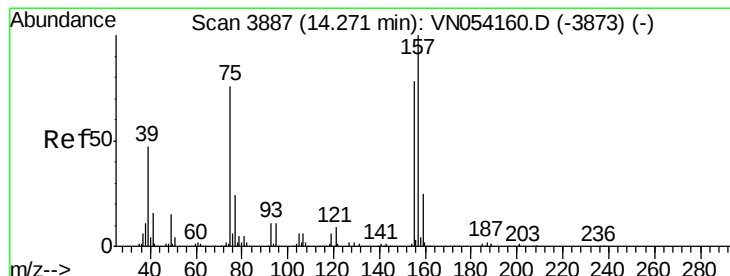
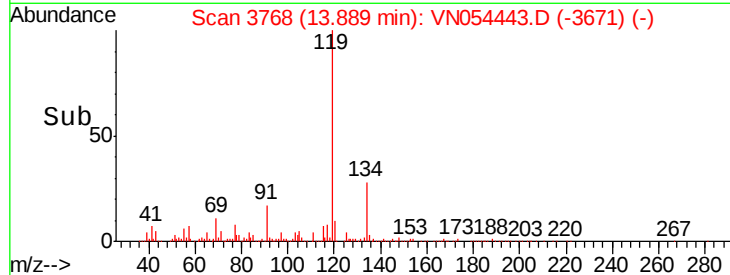
100000

50000

0

13.85 13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.205 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

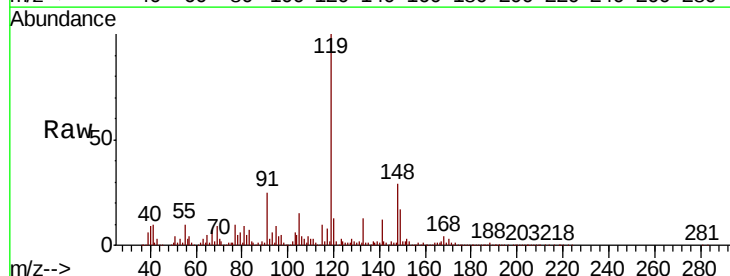
Tgt Ion: 75 Resp: 9703

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 0.0 63.1 189.3#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

40000

30000

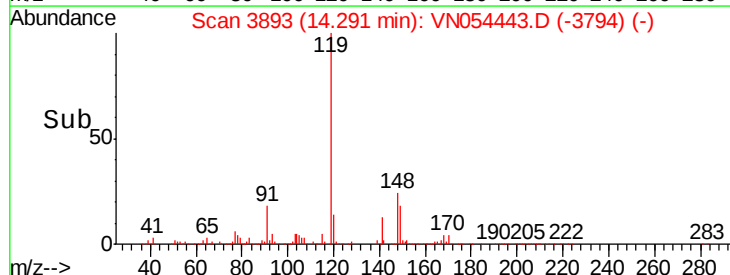
20000

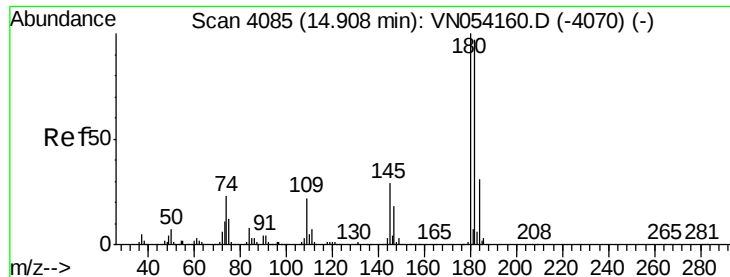
10000

0

14.25 14.30 14.35

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 2.596 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

P-7-WEST-WALL-SOUTHME

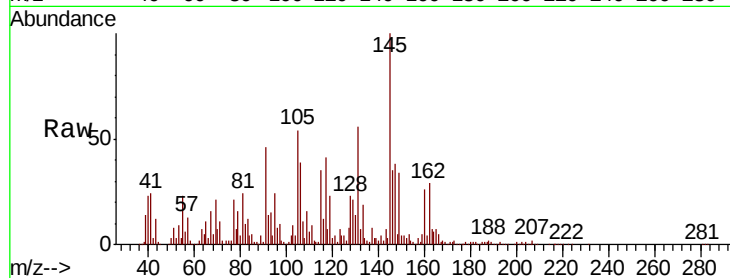
Tgt Ion:180 Resp: 2014

Ion Ratio Lower Upper

180 100

182 247.7 48.0 144.2#

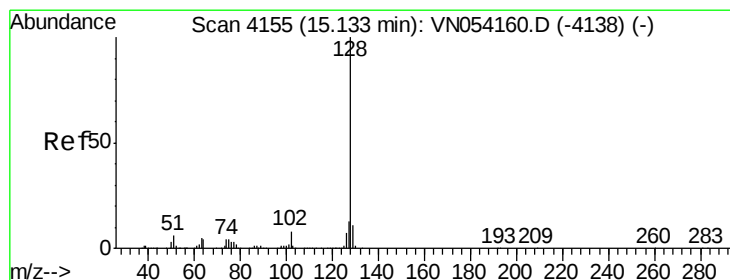
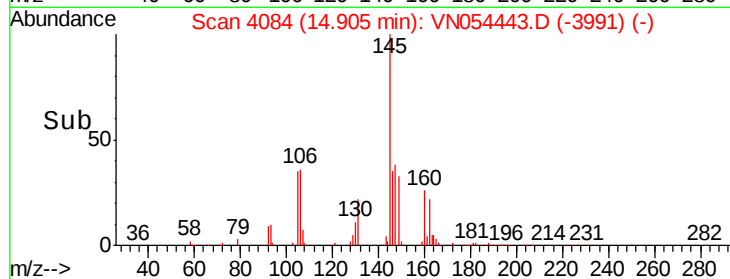
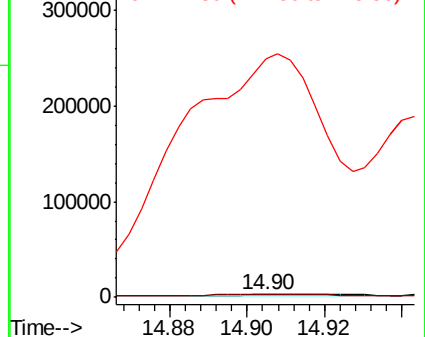
145 31370.1 14.2 42.8#



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



#95

Naphthalene

Concen: 6.903 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054443.D

Acq: 19 Mar 2019 16:21

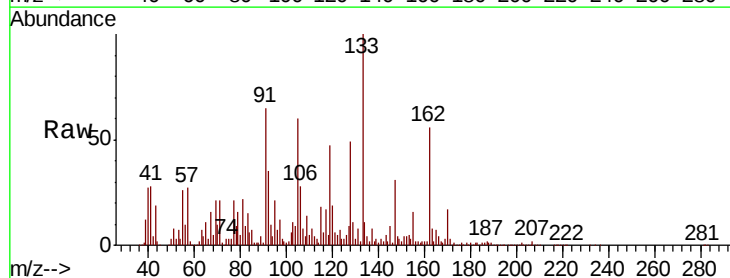
Tgt Ion:128 Resp: 185698

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

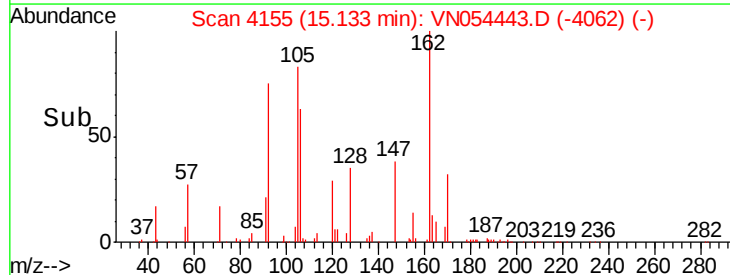
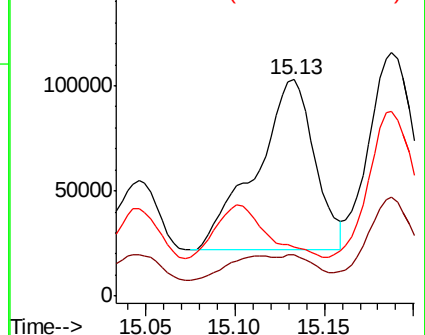
129 0.0 8.7 13.1#

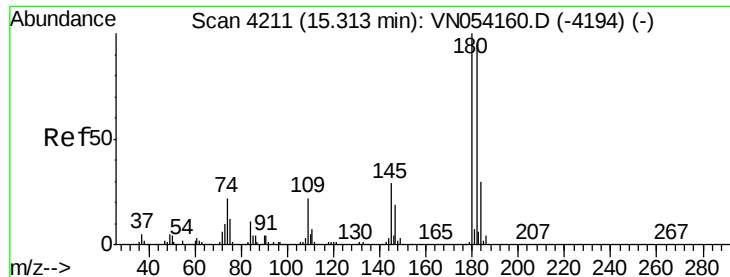


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.250 ug/l  
 RT: 15.34 min Scan# 4219  
 Delta R.T. 0.03 min  
 Lab File: VN054443.D  
 Acq: 19 Mar 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P-7-WEST-WALL-SOUTHME

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 0.0   | 47.5  | 142.6# |
| 145     | 0.0   | 14.8  | 44.3#  |

