

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\  
 Data File : VN054534.D  
 Acq On : 22 Mar 2019 2:43  
 Operator : JC/SP  
 Sample : K2056-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-20190319

Quant Time: Mar 22 10:20:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 661221   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1032729  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 850107   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 317506   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 415940   | 50.57 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.14% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 321538   | 48.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.66%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1219835  | 48.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.54%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 380040   | 44.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.30%  |          |

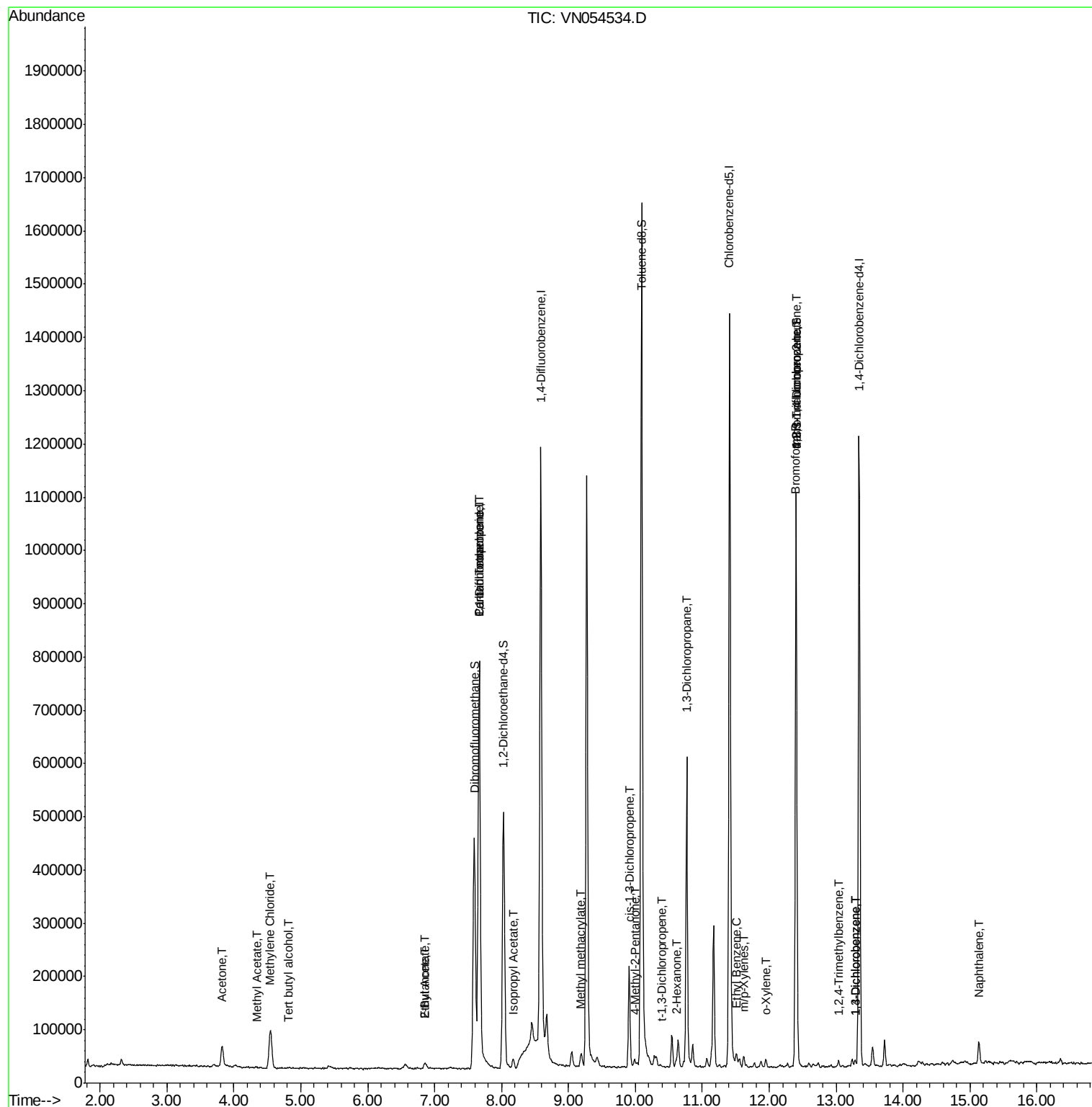
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.82  | 59   | 1263     | 2.536     | ug/l # | 70     |
| 16) Acetone                    | 3.82  | 43   | 64265    | 25.990    | ug/l # | 84     |
| 18) Methyl Acetate             | 4.34  | 43   | 2894     | 0.525     | ug/l # | 51     |
| 20) Methylene Chloride         | 4.55  | 84   | 48923    | 6.712     | ug/l # | 84     |
| 25) 2-Butanone                 | 6.85  | 43   | 20388    | 6.437     | ug/l # | 87     |
| 31) Cyclohexane                | 7.67  | 56   | 14314    | Below Cal | #      | 17     |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 47669    | 4.937     | ug/l # | 48     |
| 37) Ethyl Acetate              | 6.85  | 43   | 20388    | 2.969     | ug/l # | 68     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 60568    | 6.455     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.18  | 43   | 19812    | 1.708     | ug/l   | 97     |
| 48) Methyl methacrylate        | 9.18  | 41   | 9400     | 1.493     | ug/l # | 11     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 10127    | 1.575     | ug/l   | 93     |
| 53) t-1,3-Dichloropropene      | 10.41 | 75   | 29       | 2.235     | ug/l   | 95     |
| 54) cis-1,3-Dichloropropene    | 9.91  | 75   | 32682    | 3.105     | ug/l # | 66     |
| 57) 1,3-Dichloropropane        | 10.77 | 76   | 5768     | 0.544     | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.61 | 43   | 6308     | 1.502     | ug/l   | 94     |
| 67) Ethyl Benzene              | 11.51 | 91   | 14036    | 0.460     | ug/l   | 99     |
| 68) m/p-Xylenes                | 11.62 | 106  | 6184     | 0.535     | ug/l   | 89     |
| 69) o-Xylene                   | 11.95 | 106  | 3105     | 0.275     | ug/l   | 98     |
| 71) Bromoform                  | 12.39 | 173  | 487      | 2.329     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 192875   | 38.281    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 192875   | 126.770   | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 5625     | 0.273     | ug/l   | 98     |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 4823     | 0.459     | ug/l   | 92     |
| 88) 1,4-Dichlorobenzene        | 13.28 | 146  | 4823     | 0.471     | ug/l   | 92     |
| 94) Hexachlorobutadiene        | 15.02 | 225  | 106      | Below Cal | #      | 19     |
| 95) Naphthalene                | 15.13 | 128  | 34765    | 3.070     | ug/l   | 97     |

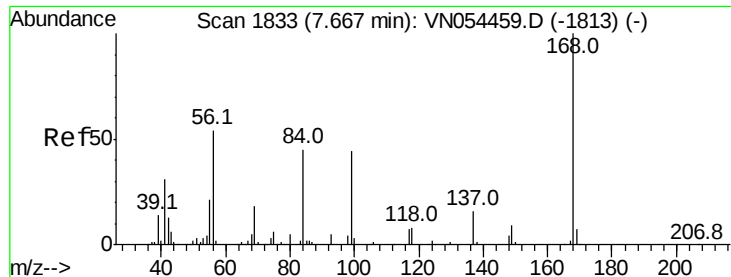
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

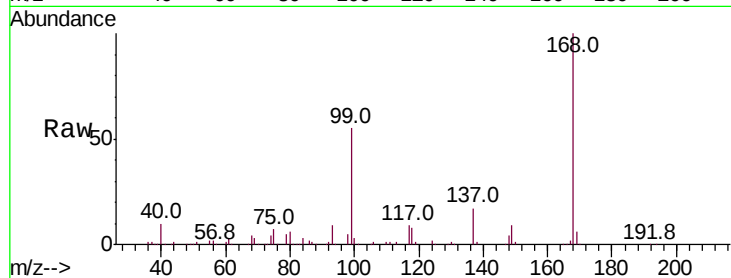
WC-20190319

Tot Ion:168 Resp: 661221

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

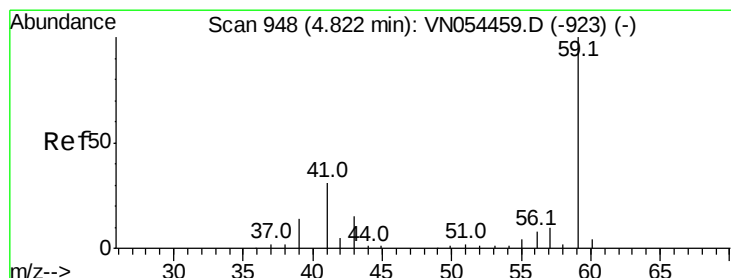
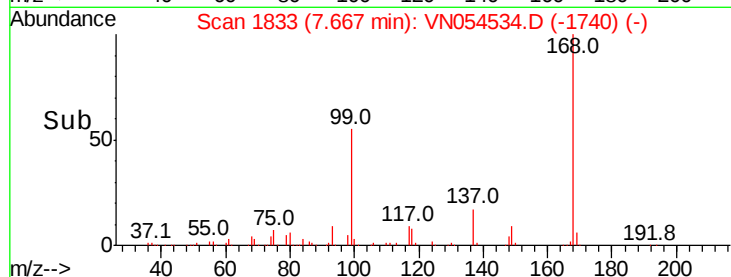
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.536 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.00 min

Lab File: VN054534.D

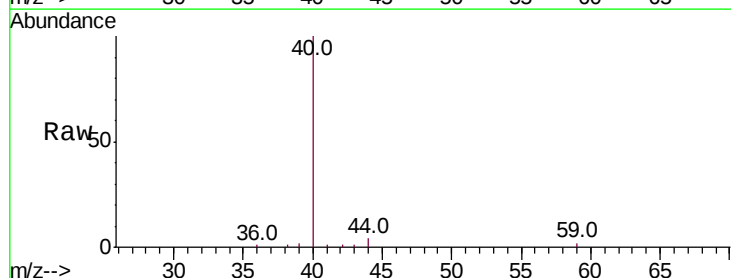
Acq: 22 Mar 2019 2:43

Tgt Ion: 59 Resp: 1263

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.82

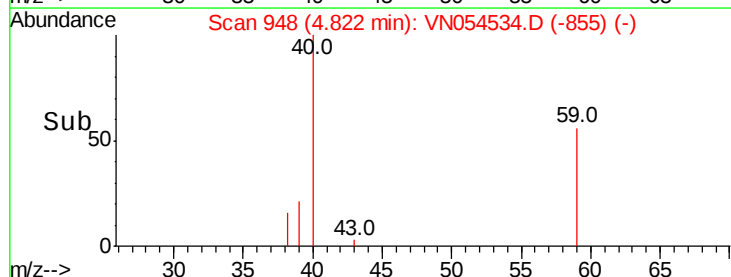
600

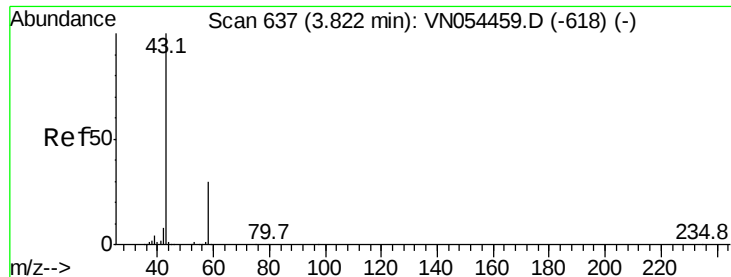
400

200

0

Time-->





#16

Acetone

Concen: 25.990 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampled :

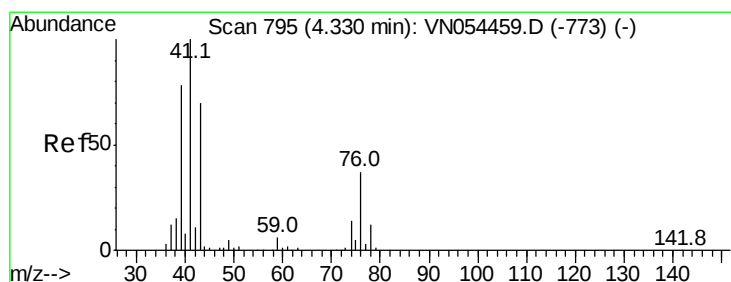
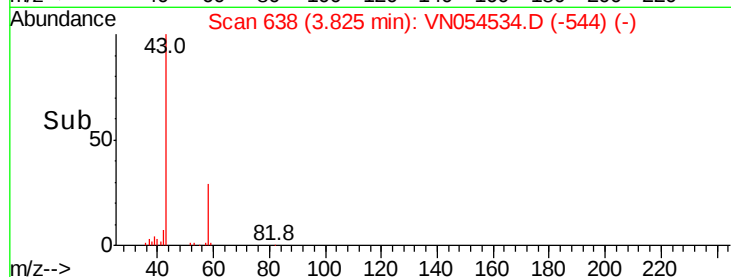
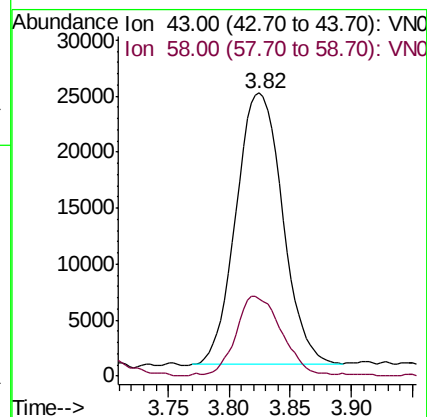
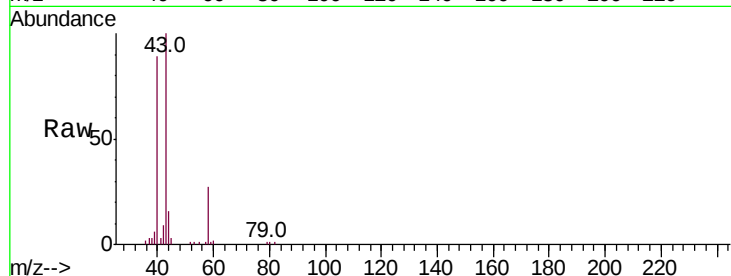
WC-20190319

Tot Ion: 43 Resp: 64265

Ion Ratio Lower Upper

43 100

58 27.8 29.9 44.9#



#18

Methyl Acetate

Concen: 0.525 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN054534.D

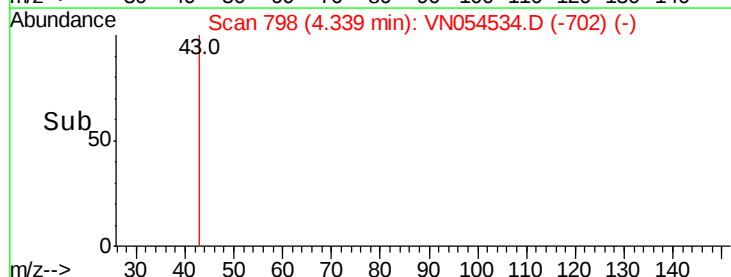
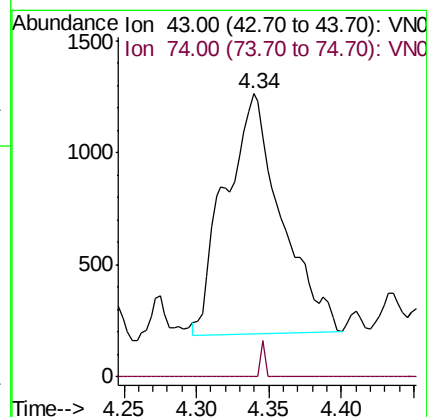
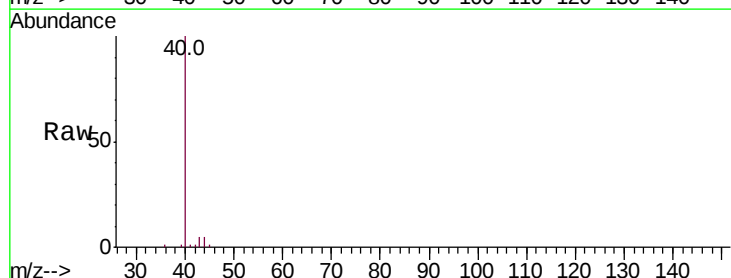
Acq: 22 Mar 2019 2:43

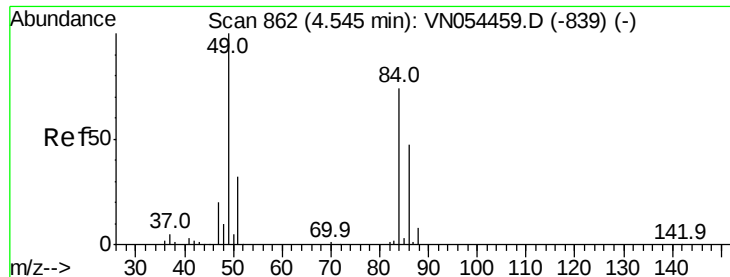
Tgt Ion: 43 Resp: 2894

Ion Ratio Lower Upper

43 100

74 1.1 20.8 31.2#

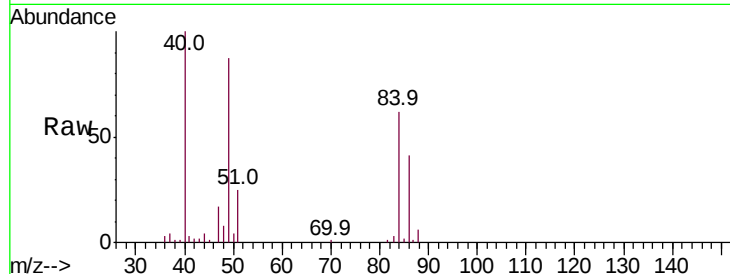




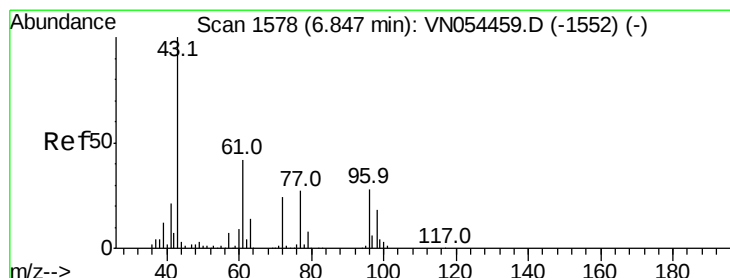
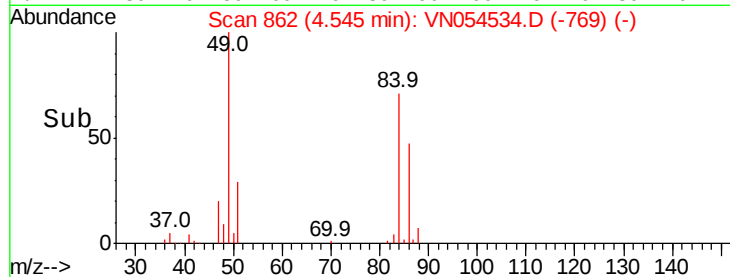
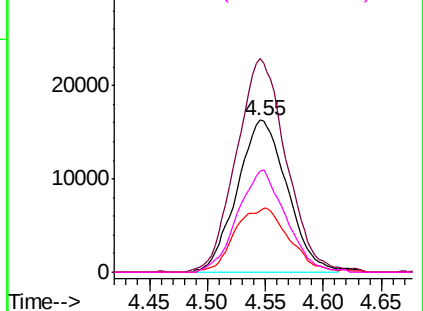
#20  
Methvlene Chloride  
Concen: 6.712 ug/l  
RT: 4.55 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Instrument :  
MSVOA\_N  
ClientSampled :  
WC-20190319

Tot Ion: 84 Resp: 48923  
Ion Ratio Lower Upper  
84 100  
49 139.7 89.7 134.5#  
51 40.6 28.2 42.4  
86 66.3 50.8 76.2

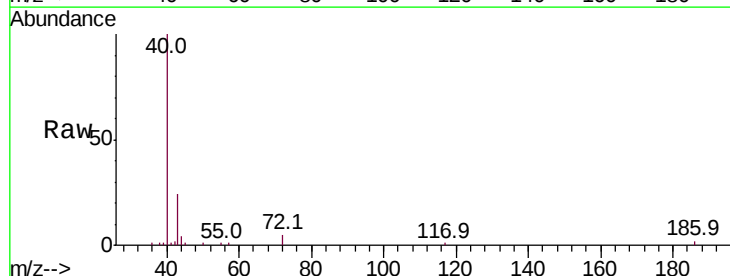


Abundance Ion 83.90 (83.60 to 84.60): VNO  
Ion 48.90 (48.60 to 49.60): VNO  
Ion 50.90 (50.60 to 51.60): VNO  
Ion 85.90 (85.60 to 86.60): VNO

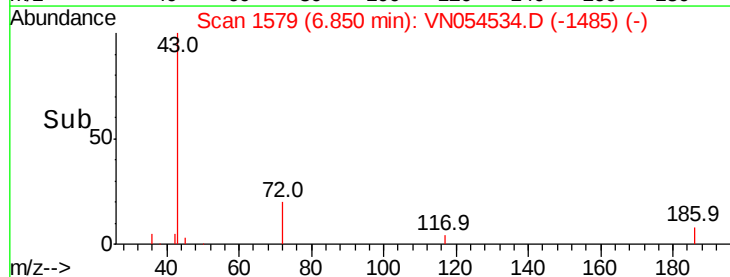
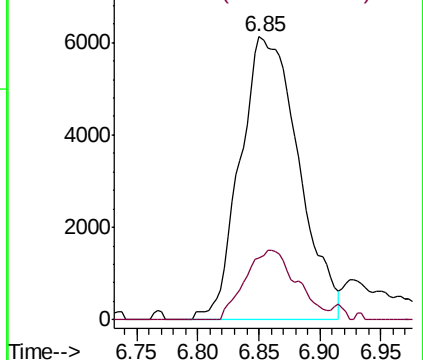


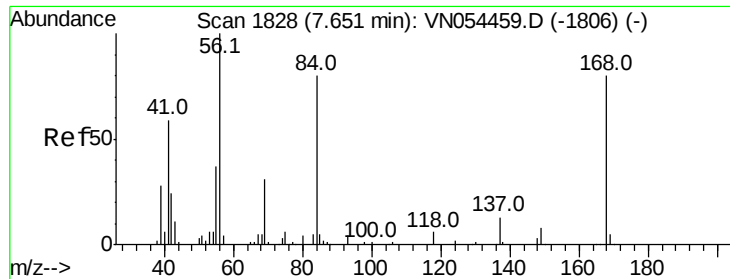
#25  
2-Butanone  
Concen: 6.437 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Tgt Ion: 43 Resp: 20388  
Ion Ratio Lower Upper  
43 100  
72 22.1 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 72.00 (71.70 to 72.70): VNO

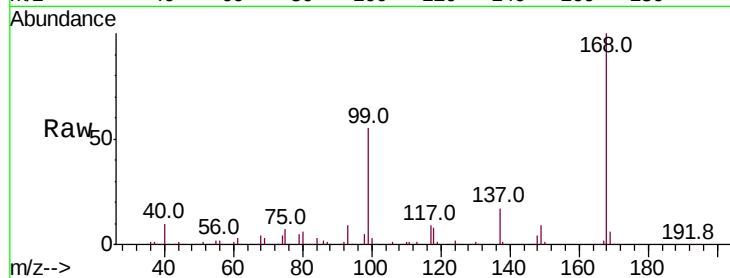




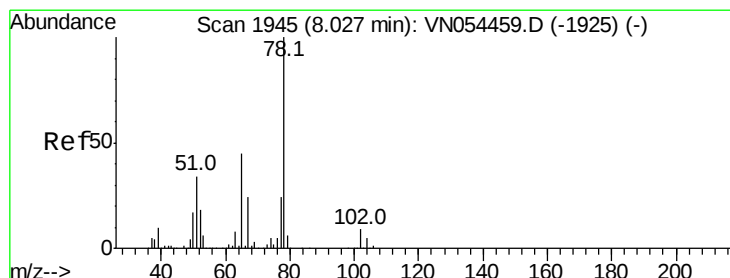
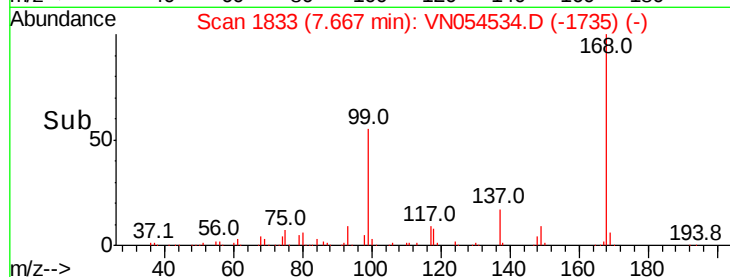
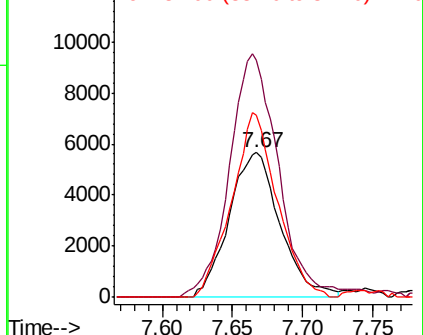
#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-20190319

Tot Ion: 56 Resp: 14314  
Ion Ratio Lower Upper  
56 100  
69 159.2 27.8 41.6#  
84 125.3 74.6 111.8#

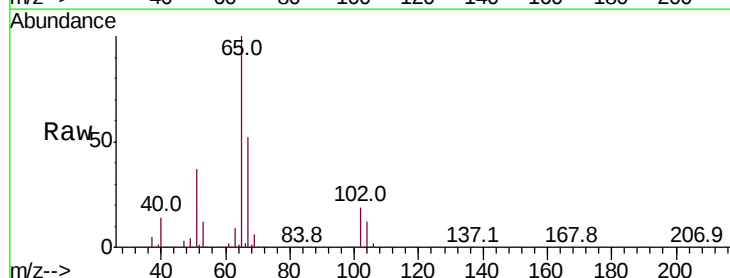


Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC

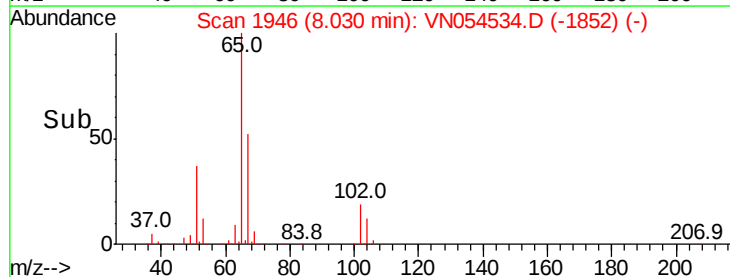
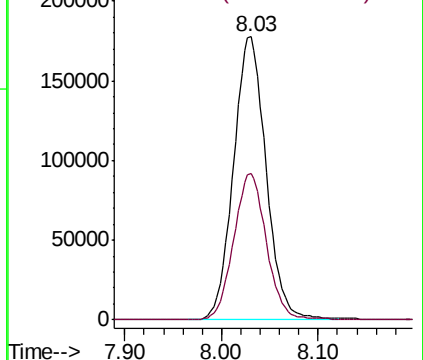


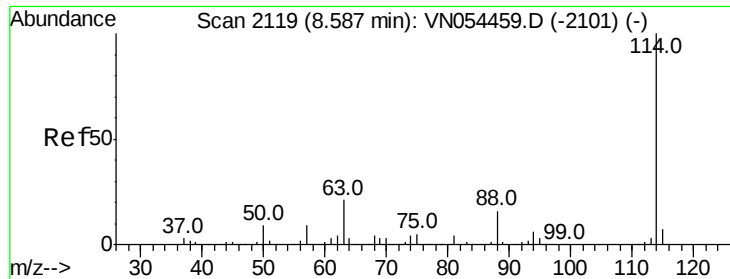
#33  
1,2-Dichloroethane-d4  
Concen: 50.573 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Tgt Ion: 65 Resp: 415940  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.6



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



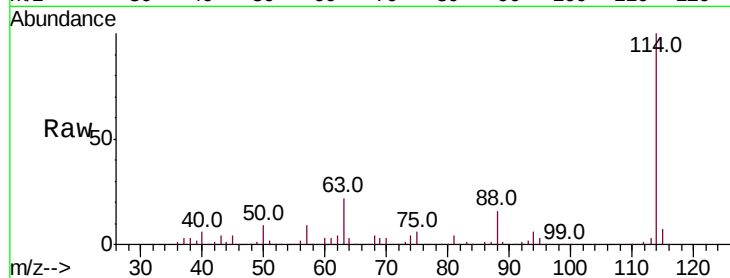


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054534.D  
 Acq: 22 Mar 2019 2:43

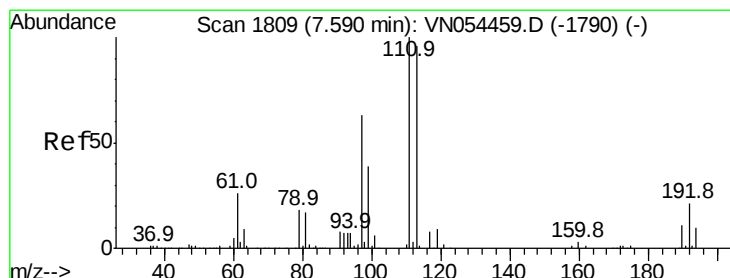
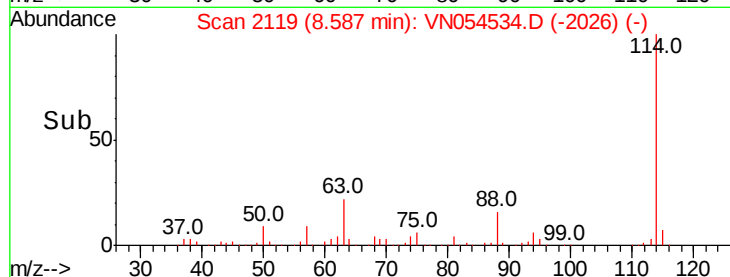
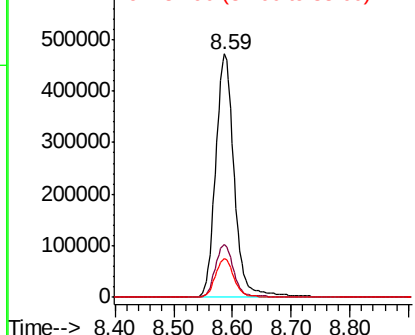
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WC-20190319

Tot Ion:114 Resp: 1032729

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.7  | 0.0   | 35.2  |
| 88  | 16.0  | 0.0   | 30.2  |



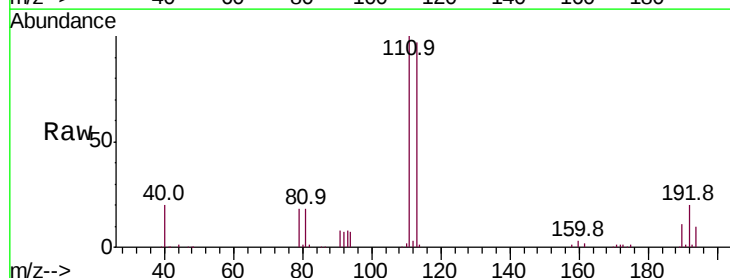
Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN



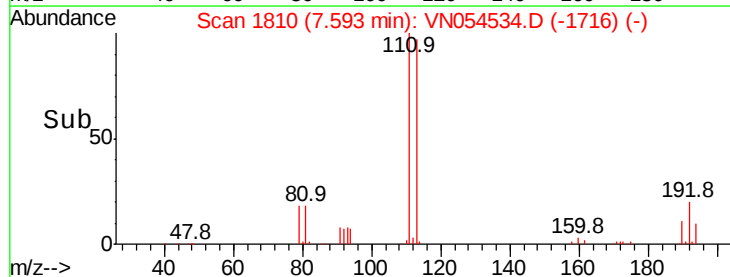
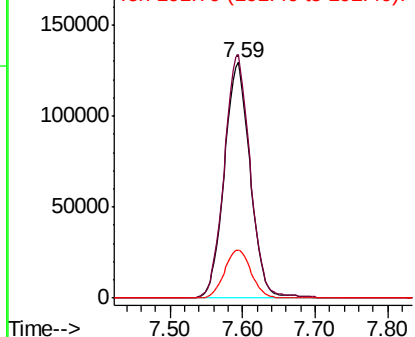
#35  
 Dibromofluoromethane  
 Concen: 48.327 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN054534.D  
 Acq: 22 Mar 2019 2:43

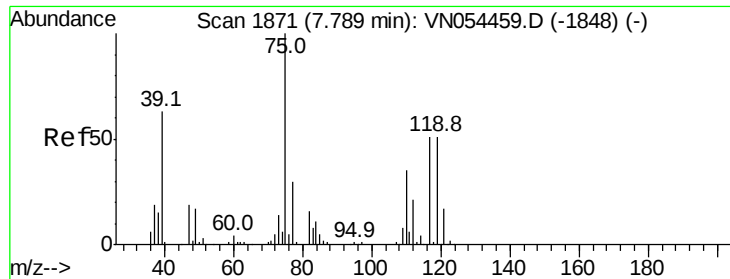
Tgt Ion:113 Resp: 321538

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.9 | 82.2  | 123.4 |
| 192 | 21.0  | 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: 4.937 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampled :

WC-20190319

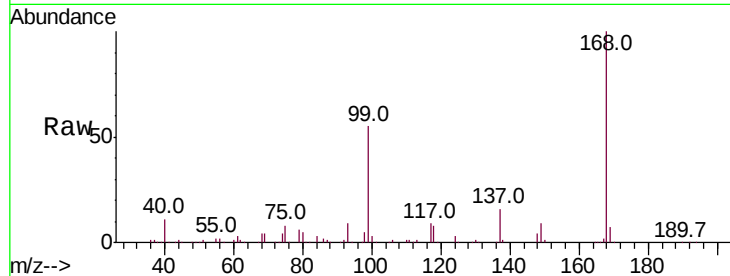
Tot Ion: 75 Resp: 47669

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.5#

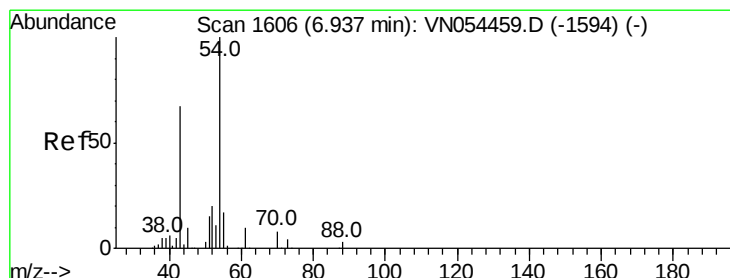
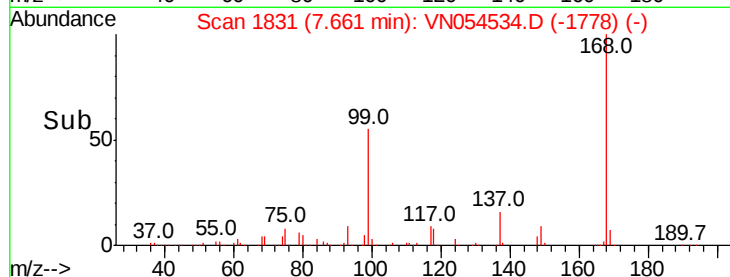
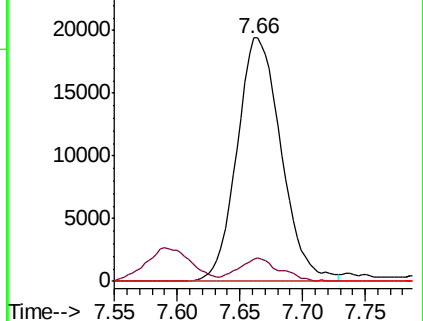
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 2.969 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. -0.09 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

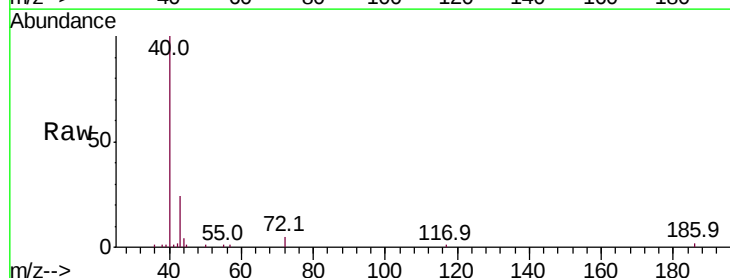
Tgt Ion: 43 Resp: 20388

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

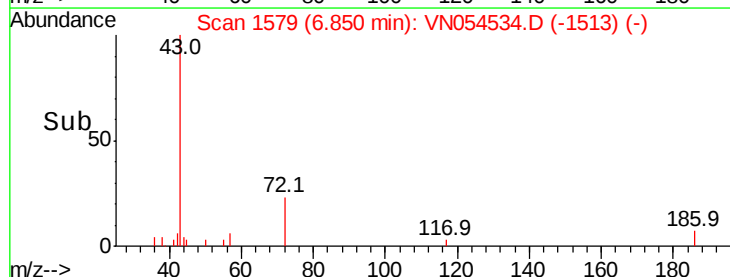
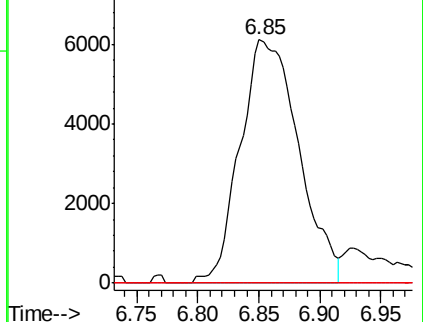
70 0.0 8.4 12.6#

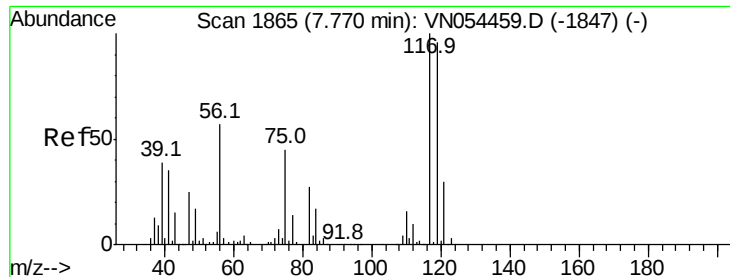


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.455 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

WC-20190319

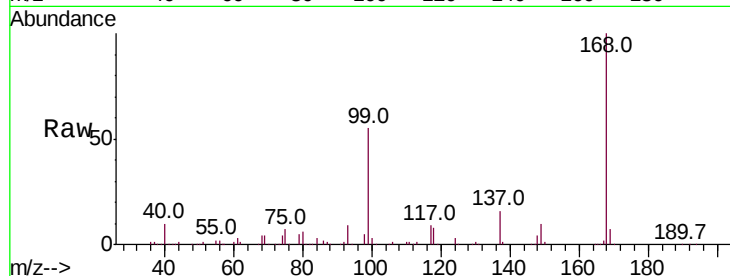
Tot Ion:117 Resp: 60568

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

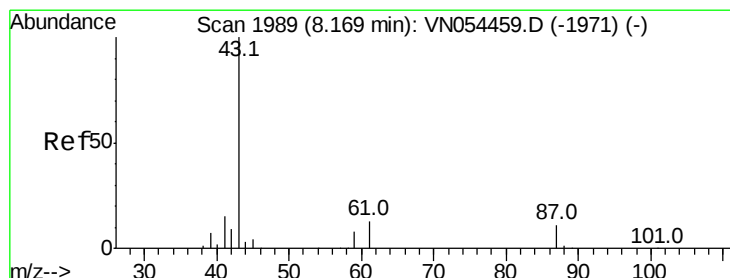
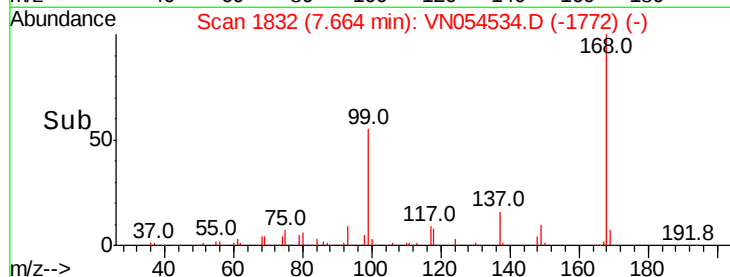
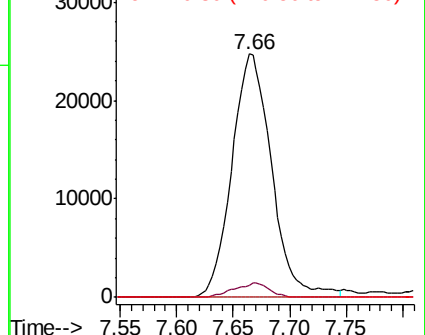
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 1.708 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

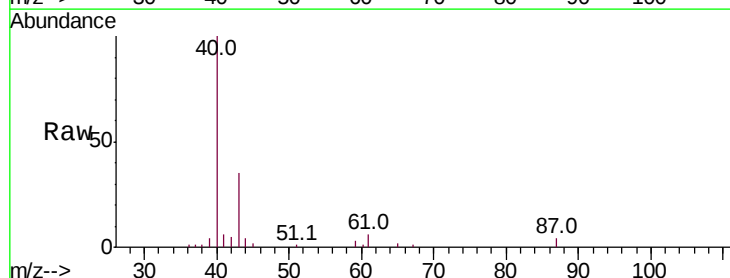
Tgt Ion: 43 Resp: 19812

Ion Ratio Lower Upper

43 100

61 19.1 15.8 23.8

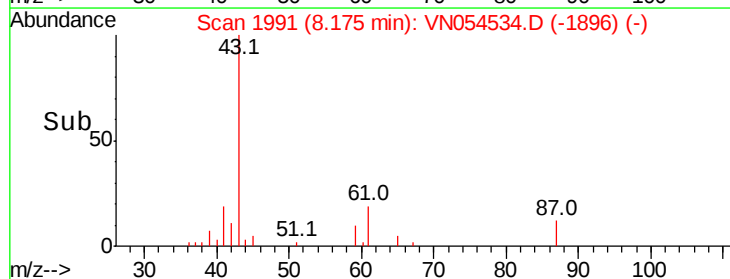
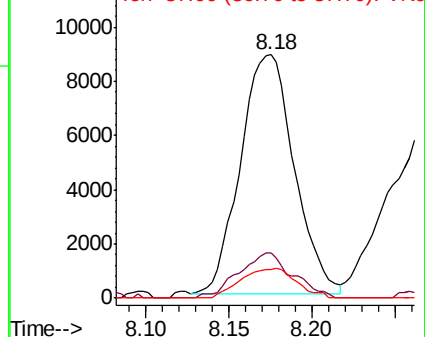
87 12.9 12.0 18.0

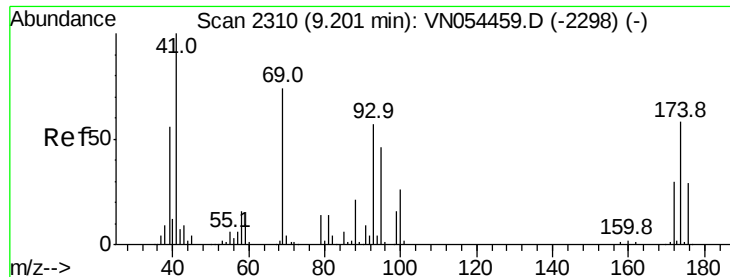


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methvl methacrylate

Concen: 1.493 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

WC-20190319

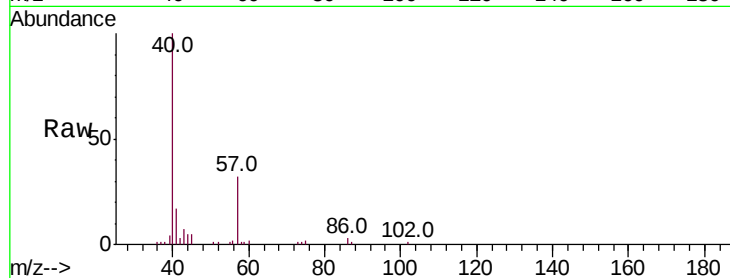
Tot Ion: 41 Resp: 9400

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

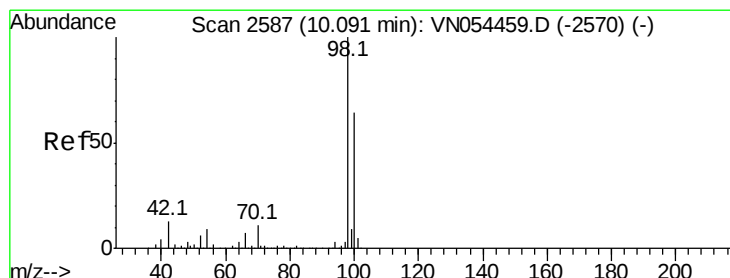
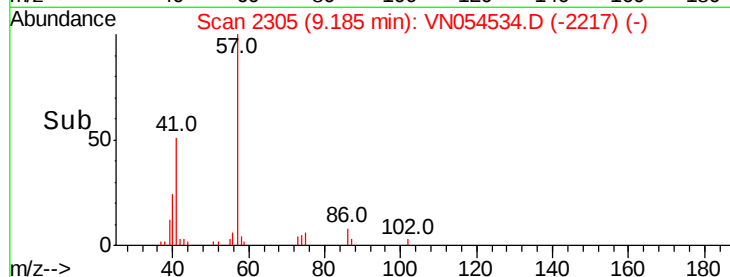
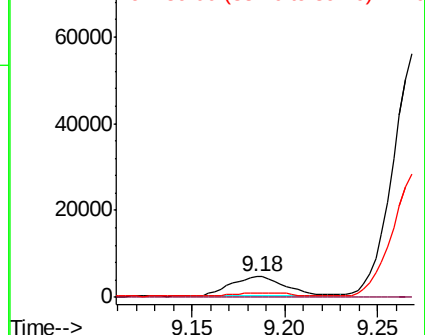
39 0.0 47.5 71.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

Toluene-d8

Concen: 48.769 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054534.D

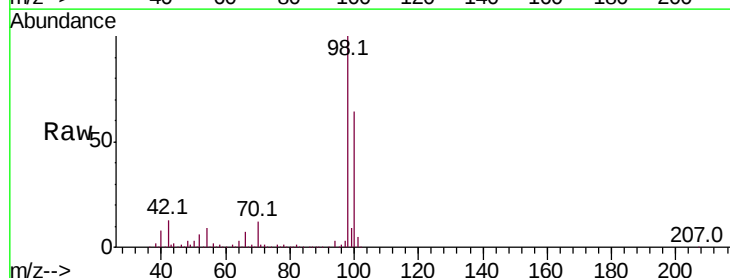
Acq: 22 Mar 2019 2:43

Tgt Ion: 98 Resp: 1219835

Ion Ratio Lower Upper

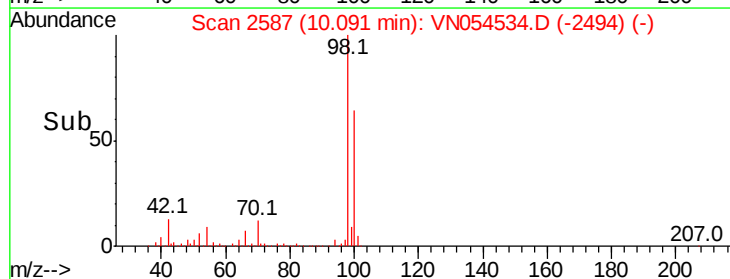
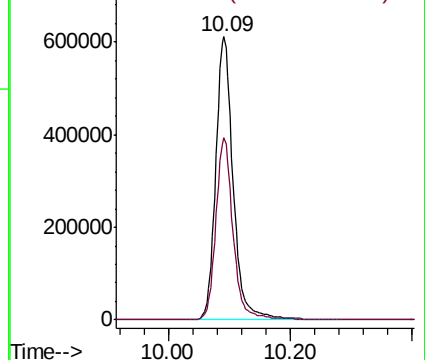
98 100

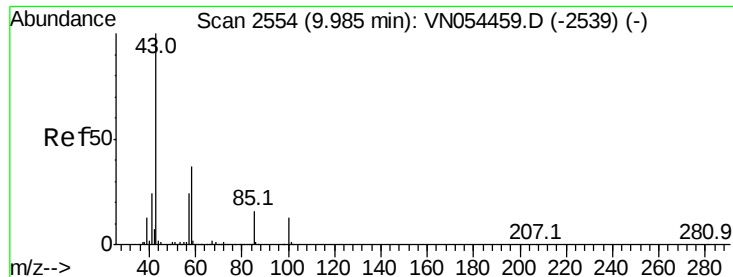
100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

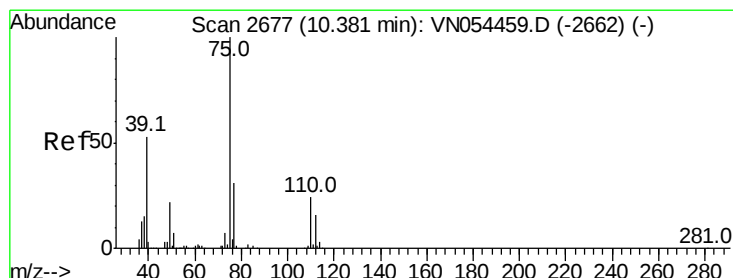
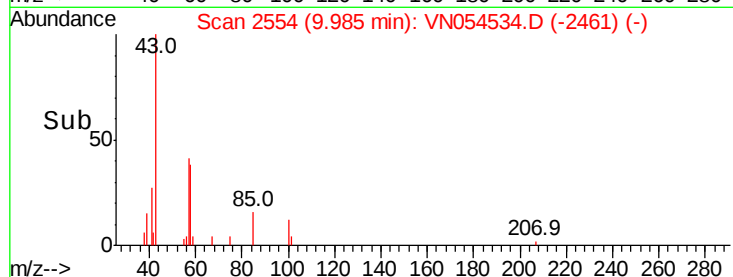
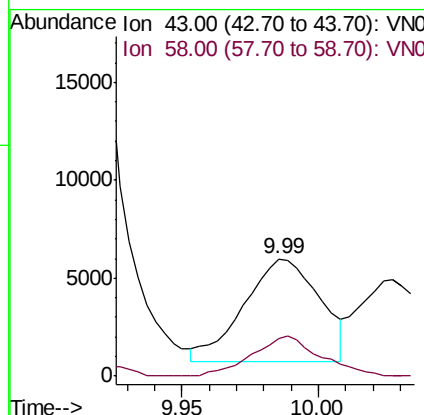
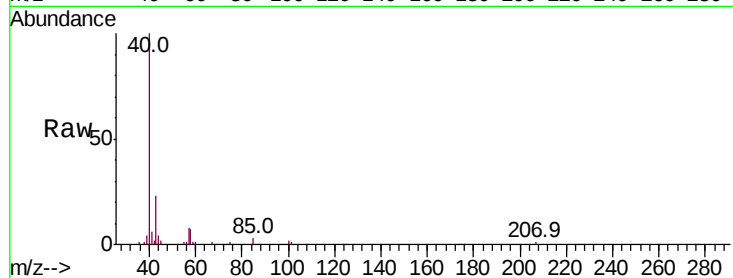




#51  
4-Methyl-2-Pentanone  
Concen: 1.575 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

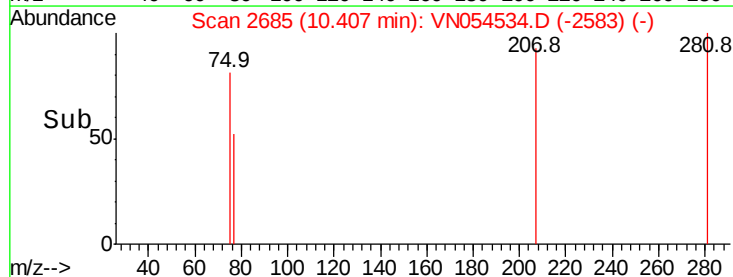
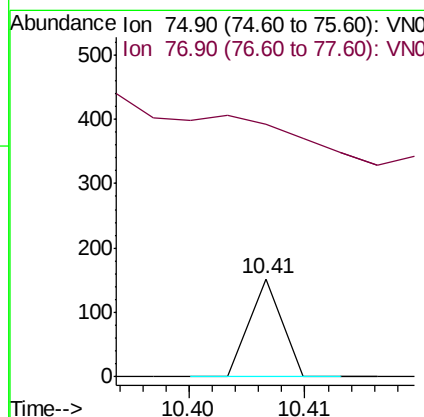
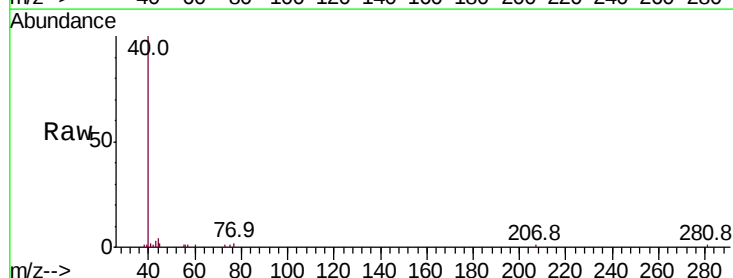
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-20190319

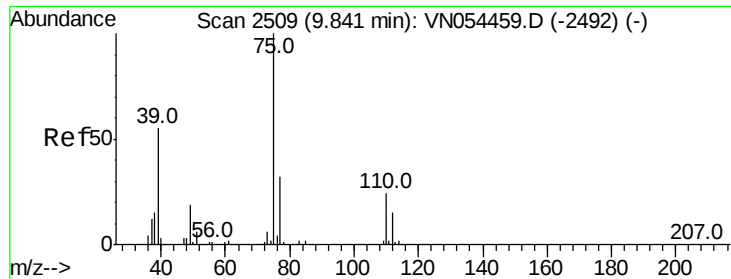
Tot Ion: 43 Resp: 10127  
Ion Ratio Lower Upper  
43 100  
58 35.1 31.8 47.6



#53  
t-1,3-Dichloropropene  
Concen: 2.235 ug/l  
RT: 10.41 min Scan# 2685  
Delta R.T. 0.03 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Tgt Ion: 75 Resp: 29  
Ion Ratio Lower Upper  
75 100  
77 29.6 25.8 38.8





#54

cis-1,3-Dichloropropene

Concen: 3.105 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

WC-20190319

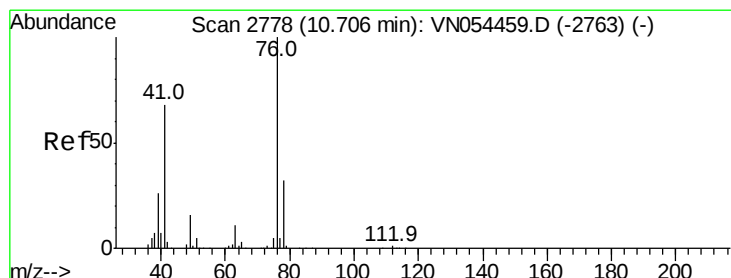
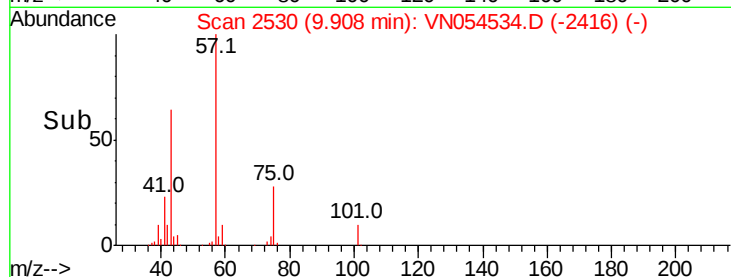
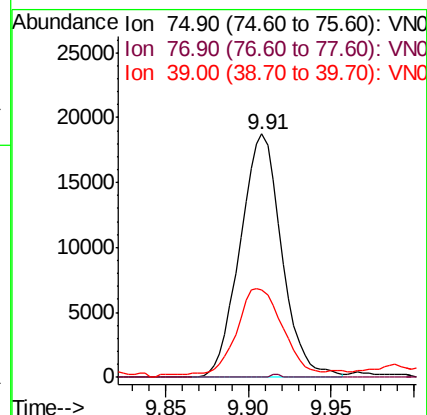
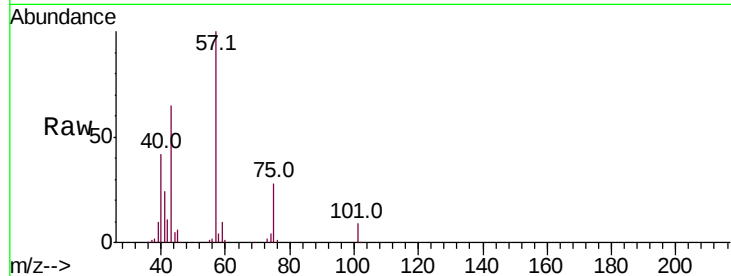
Tot Ion: 75 Resp: 32682

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 34.0 37.2 55.8#



#57

1,3-Dichloropropane

Concen: 0.544 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054534.D

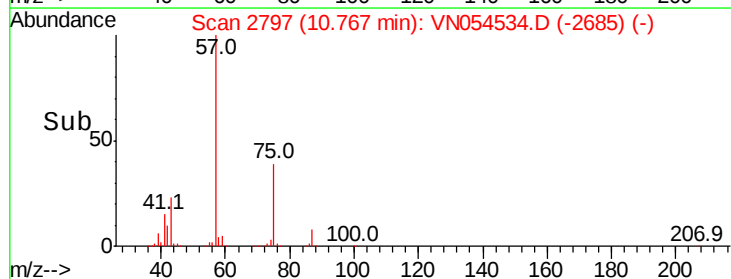
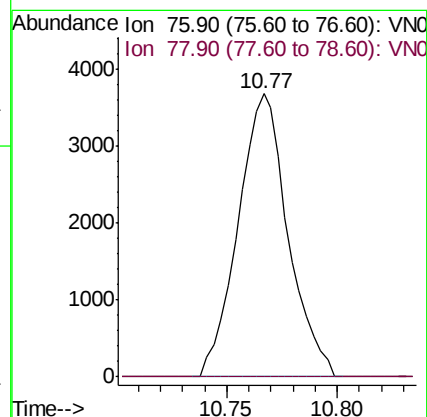
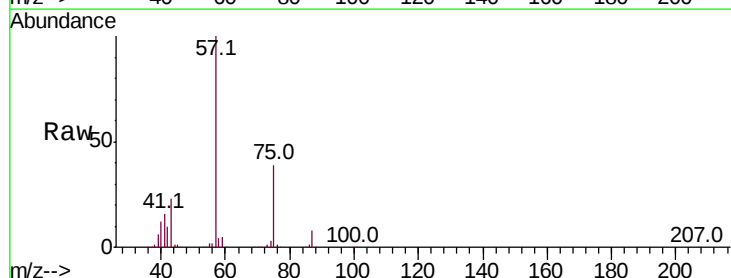
Acq: 22 Mar 2019 2:43

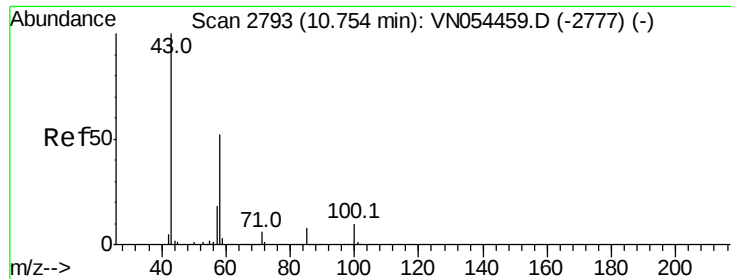
Tgt Ion: 76 Resp: 5768

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#

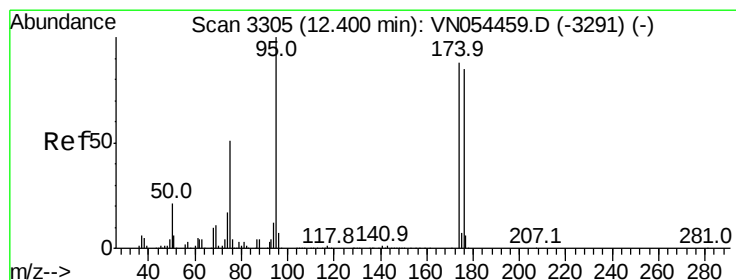
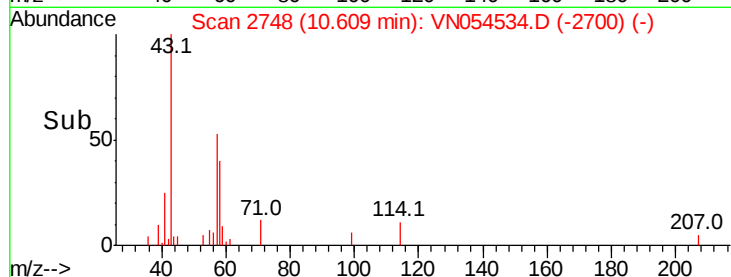
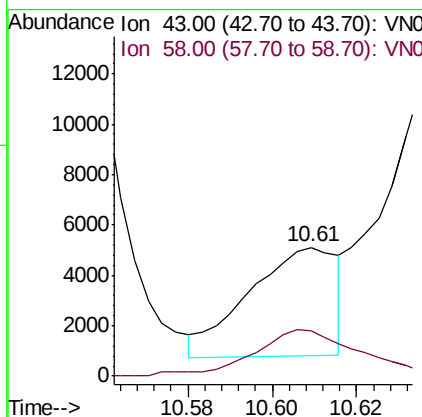
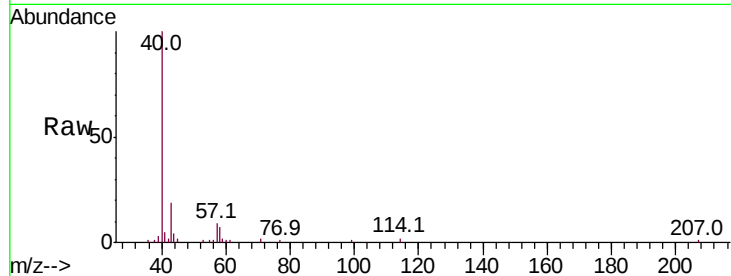




#59  
2-Hexanone  
Concen: 1.502 ug/l  
RT: 10.61 min Scan# 2748  
Delta R.T. -0.14 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

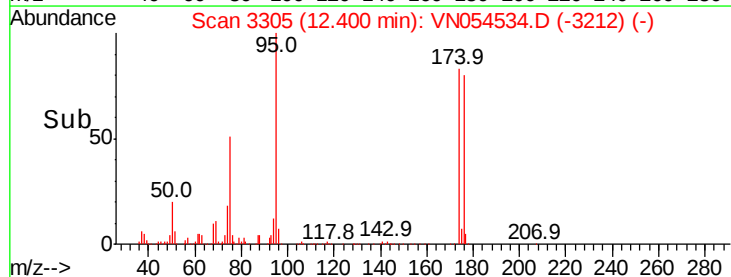
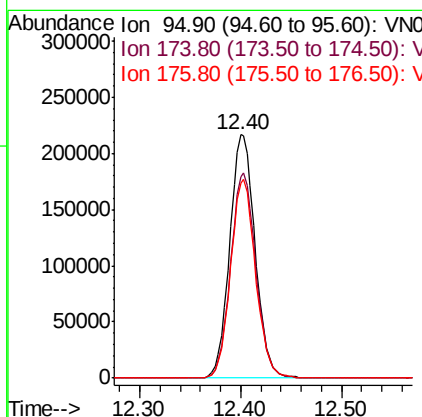
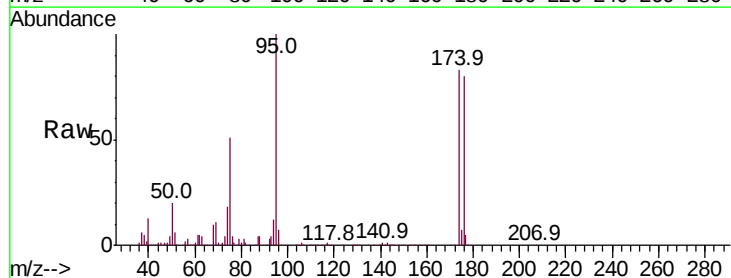
Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-20190319

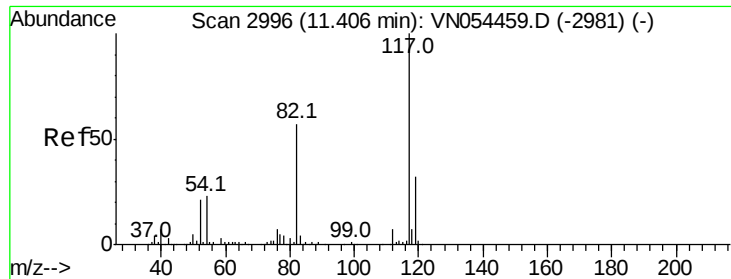
Tot Ion: 43 Resp: 6308  
Ion Ratio Lower Upper  
43 100  
58 51.4 28.0 83.9



#62  
4-Bromofluorobenzene  
Concen: 44.651 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Tgt Ion: 95 Resp: 380040  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 191.0  
176 80.6 0.0 187.4

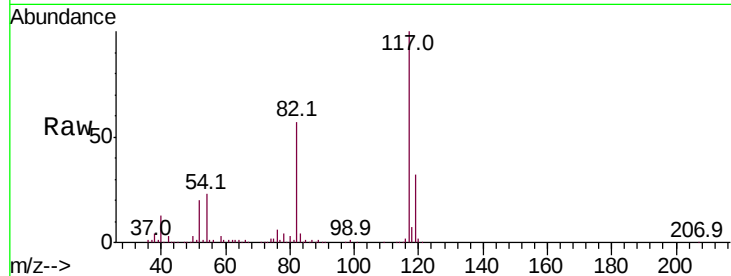




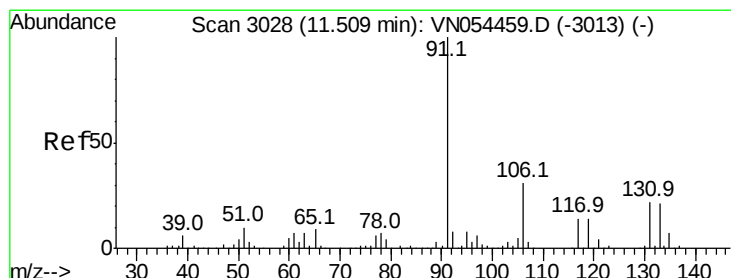
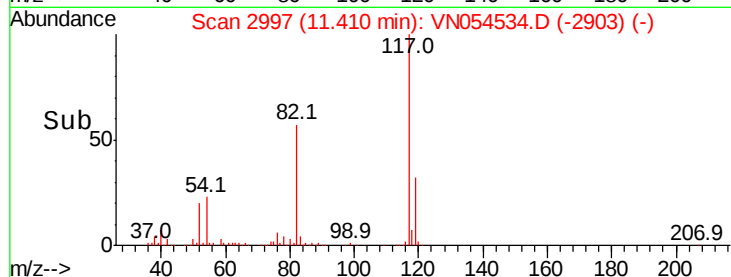
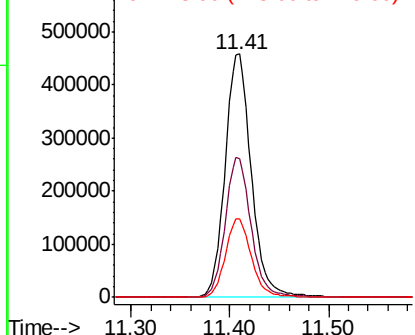
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-20190319

Tot Ion:117 Resp: 850107  
Ion Ratio Lower Upper  
117 100  
82 57.0 40.0 60.0  
119 32.4 25.8 38.6

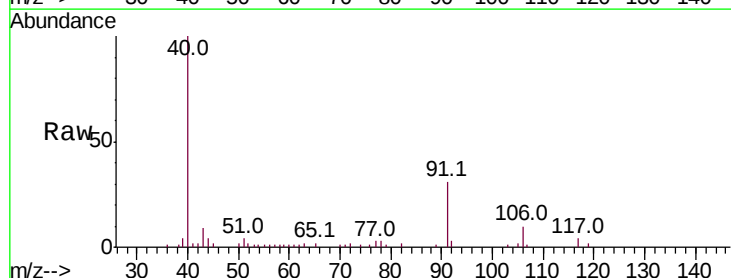


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

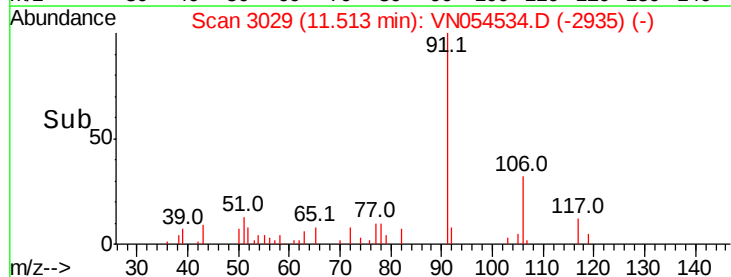
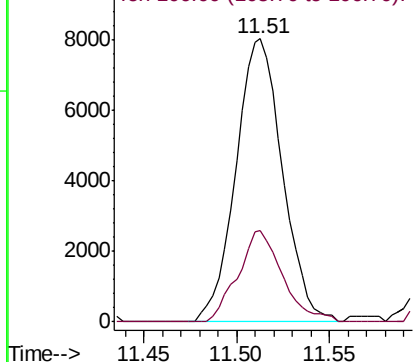


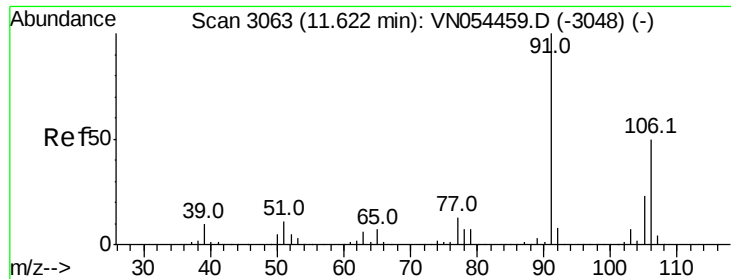
#67  
Ethyl Benzene  
Concen: 0.460 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Tgt Ion: 91 Resp: 14036  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 106.00 (105.70 to 106.70): V

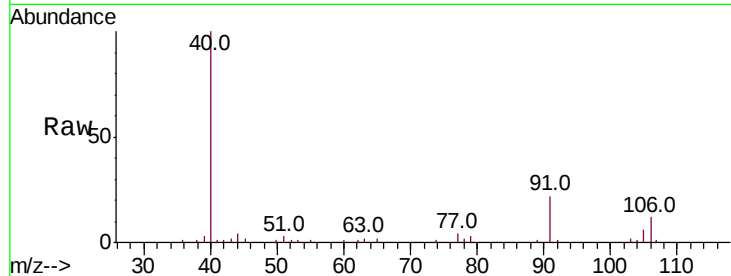




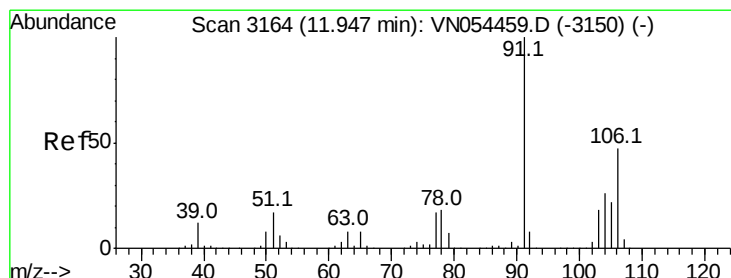
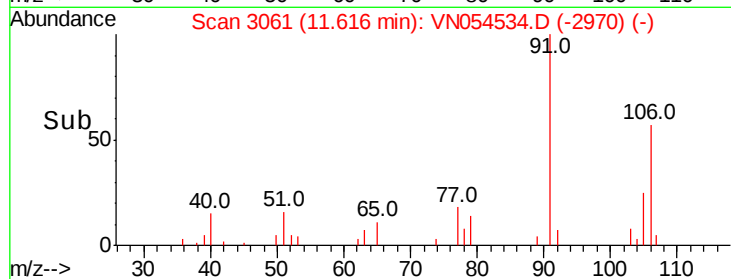
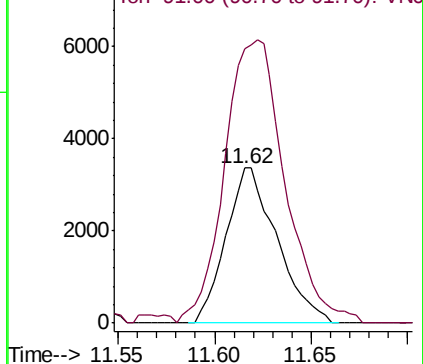
#68  
m/p-Xylenes  
Concen: 0.535 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
WC-20190319

Tot Ion:106 Resp: 6184  
Ion Ratio Lower Upper  
106 100  
91 215.8 159.4 239.2

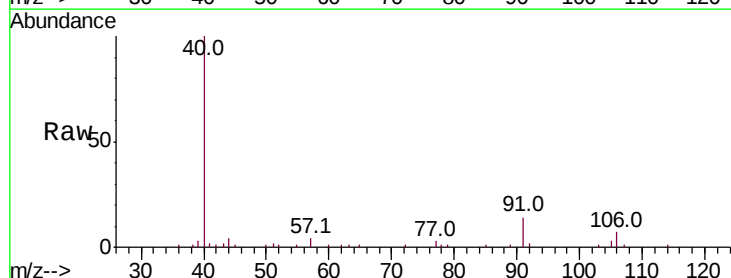


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

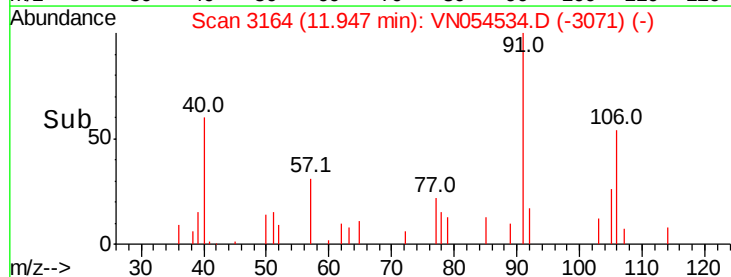
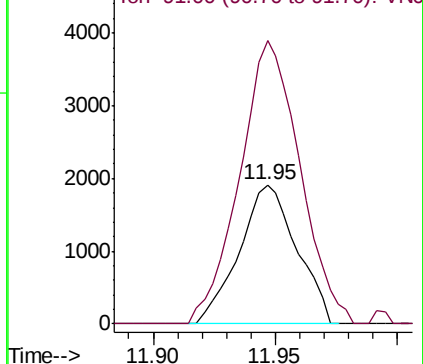


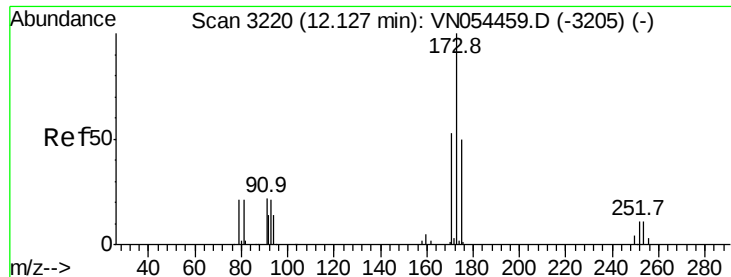
#69  
o-Xylene  
Concen: 0.275 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN054534.D  
Acq: 22 Mar 2019 2:43

Tgt Ion:106 Resp: 3105  
Ion Ratio Lower Upper  
106 100  
91 214.8 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 2.329 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

WC-20190319

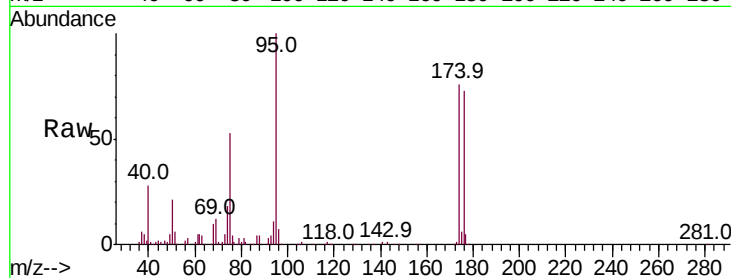
Tot Ion:173 Resp: 487

Ion Ratio Lower Upper

173 100

175 4393.0 24.4 73.2#

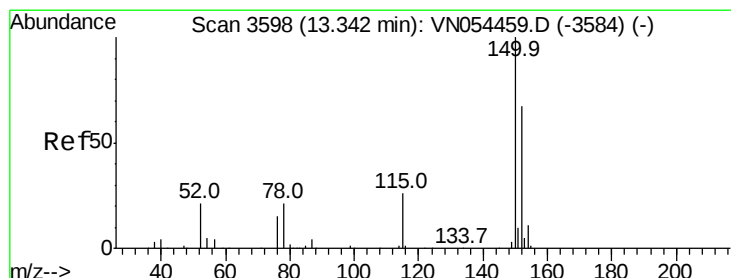
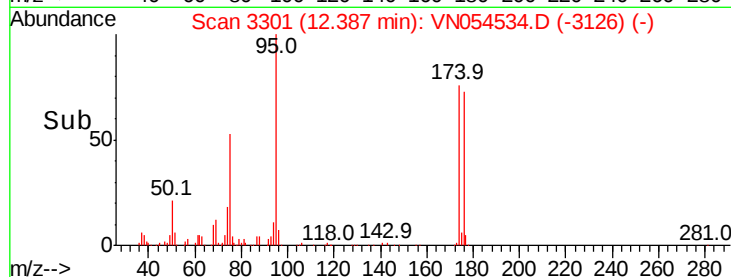
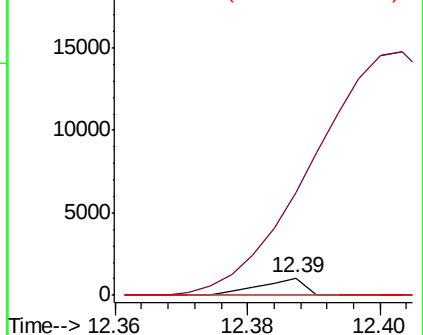
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

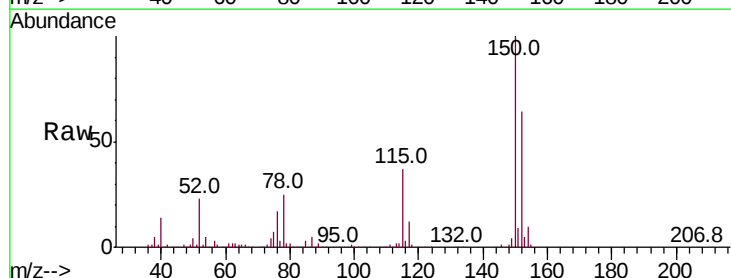
Tgt Ion:152 Resp: 317506

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

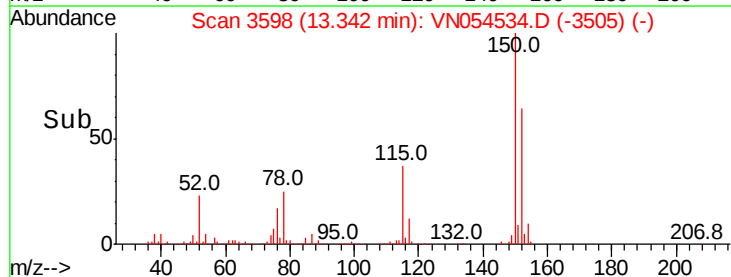
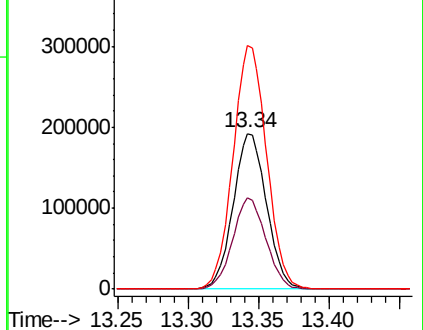
150 157.3 0.0 349.2

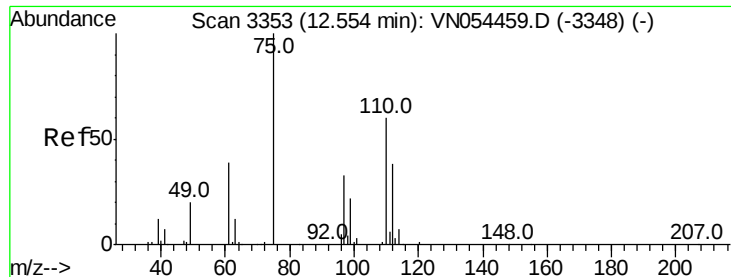


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.281 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampled :

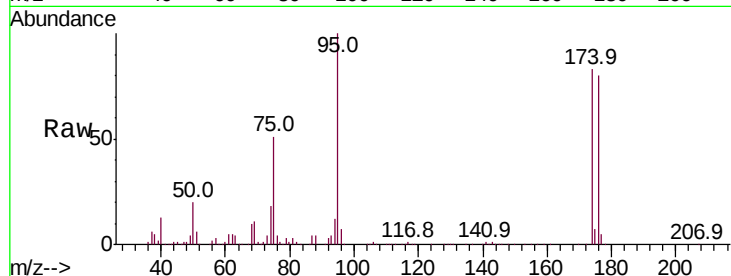
WC-20190319

Tot Ion: 75 Resp: 192875

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

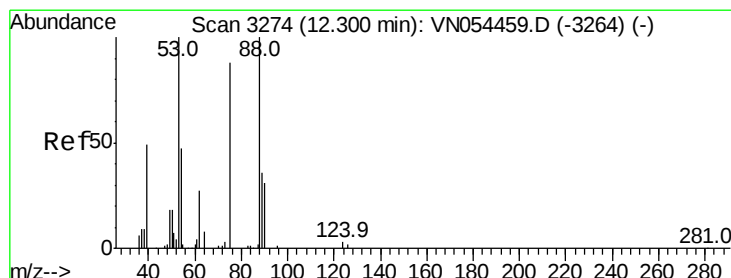
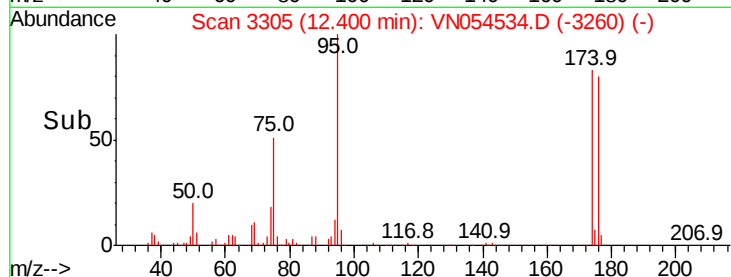
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 126.770 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

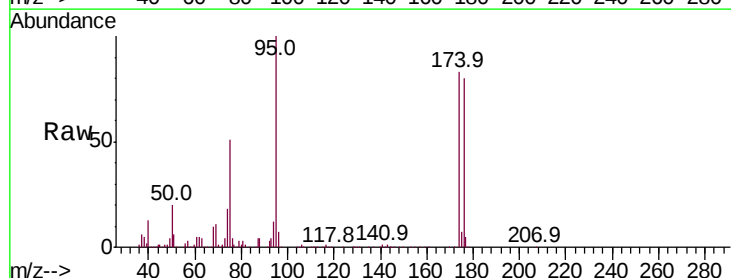
Tgt Ion: 75 Resp: 192875

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

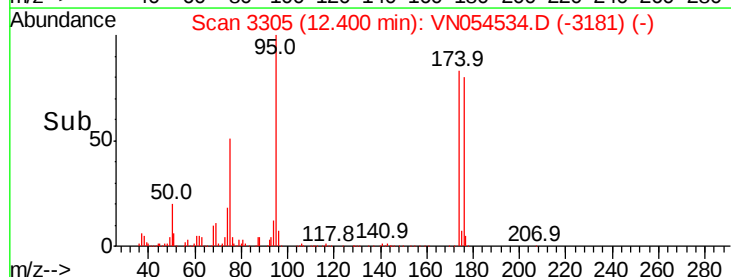
150000

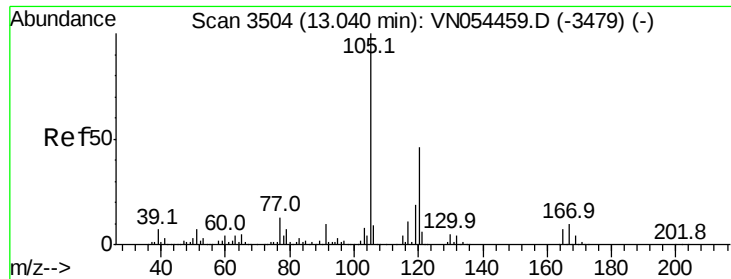
100000

50000

0

Time-->

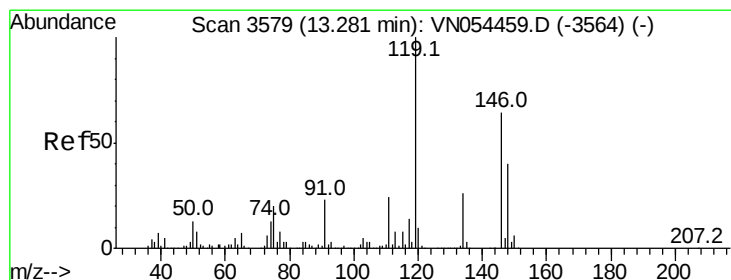
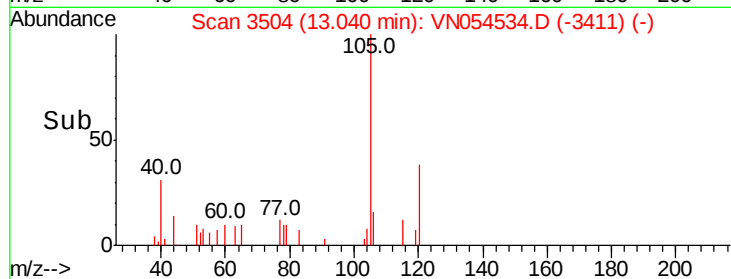
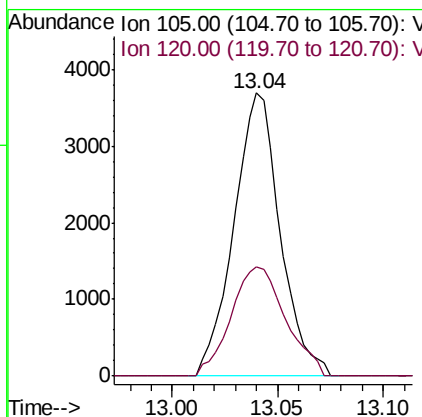
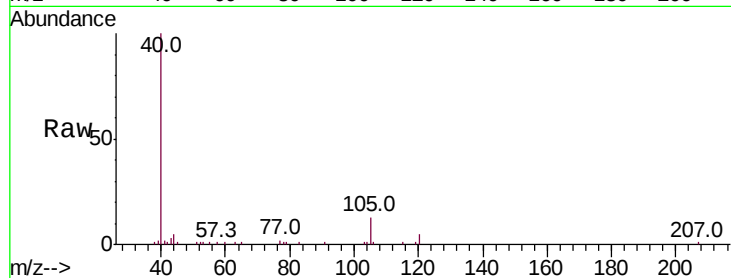




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.273 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN054534.D  
 Acq: 22 Mar 2019 2:43

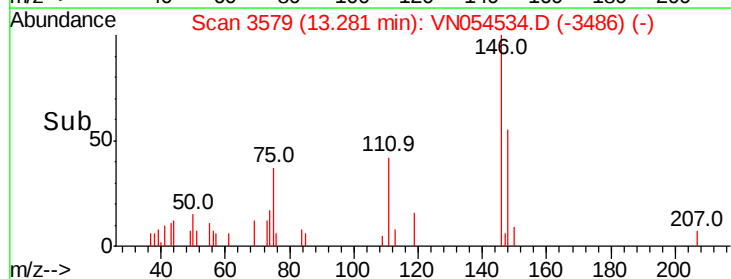
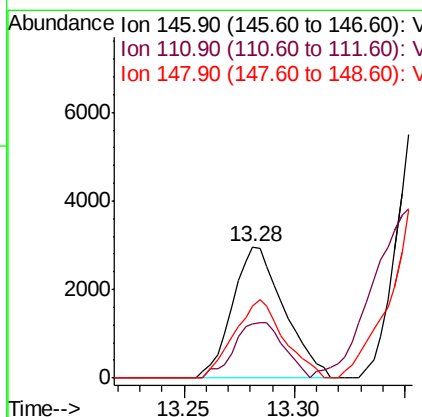
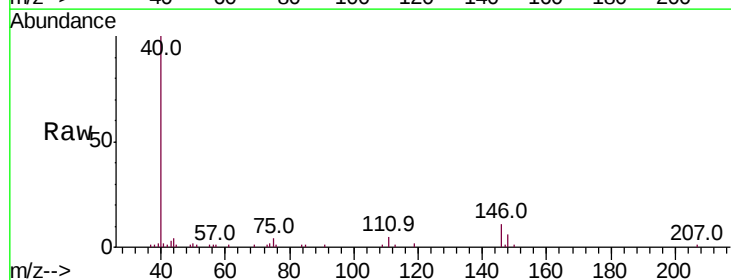
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 WC-20190319

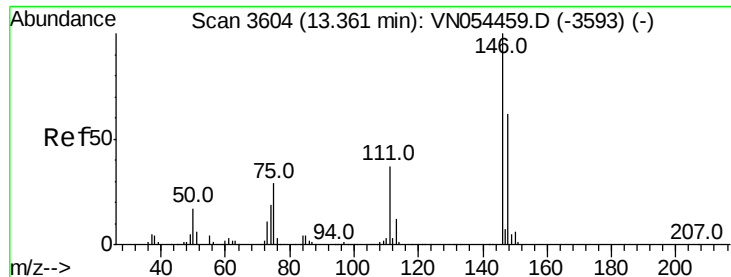
Tot Ion:105 Resp: 5625  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 23.4 70.3



#87  
 1,3-Dichlorobenzene  
 Concen: 0.459 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN054534.D  
 Acq: 22 Mar 2019 2:43

Tgt Ion:146 Resp: 4823  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 18.8 56.3  
 148 57.3 32.2 96.6





#88

1,4-Dichlorobenzene

Concen: 0.471 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

WC-20190319

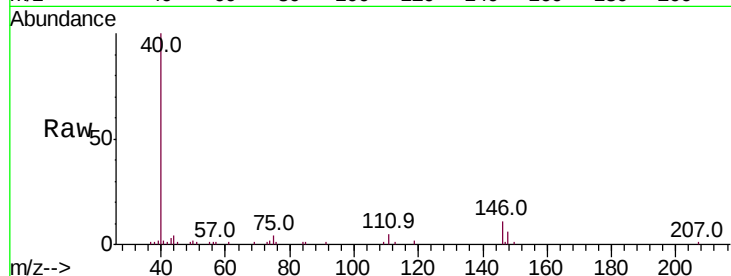
Tot Ion:146 Resp: 4823

Ion Ratio Lower Upper

146 100

111 40.7 18.1 54.1

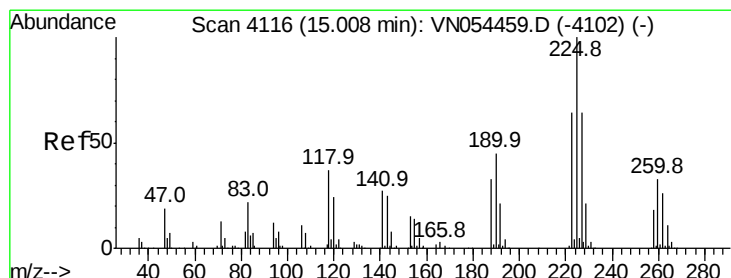
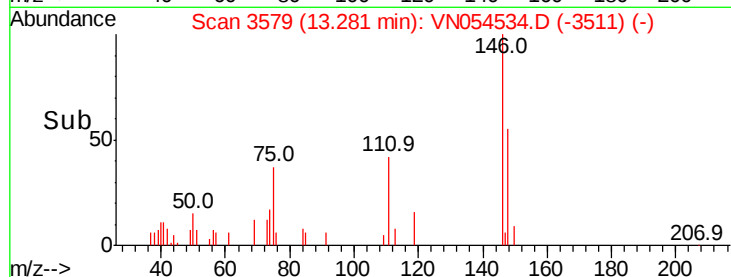
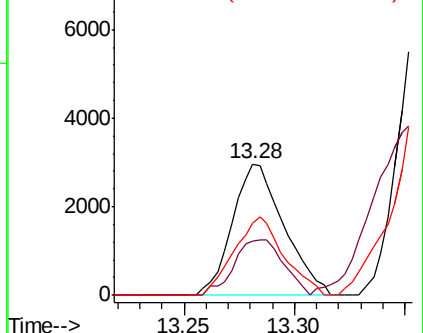
148 57.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

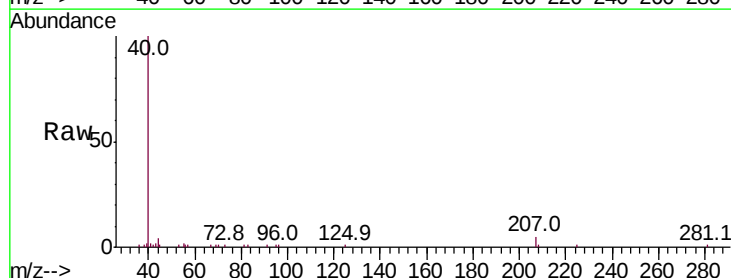
Tgt Ion:225 Resp: 106

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

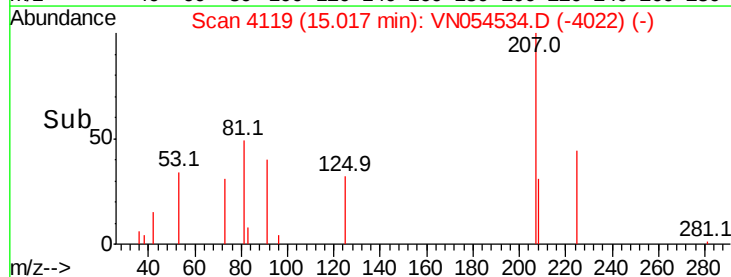
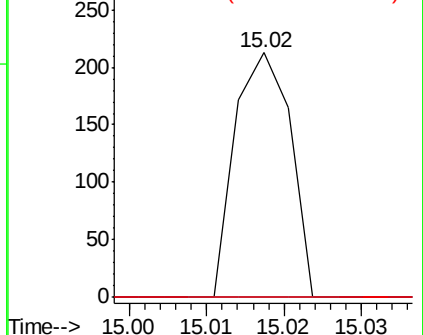
227 0.0 31.9 95.9#

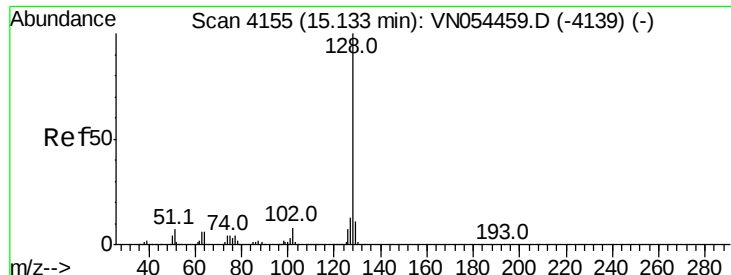


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.070 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054534.D

Acq: 22 Mar 2019 2:43

Instrument :

MSVOA\_N

ClientSampleId :

WC-20190319

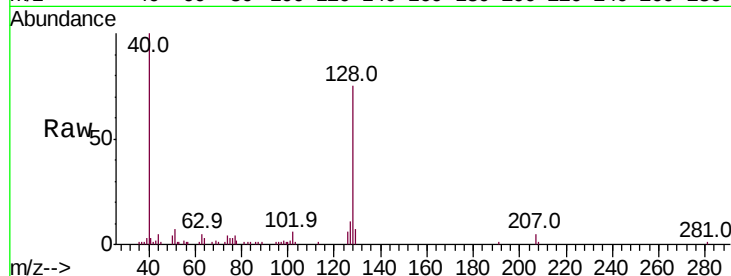
Tot Ion:128 Resp: 34765

Ion Ratio Lower Upper

128 100

127 14.0 10.1 15.1

129 10.3 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

