

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\  
 Data File : VN055262.D  
 Acq On : 25 Apr 2019 23:54  
 Operator : JC/SP  
 Sample : K2572-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-6

Quant Time: Apr 26 05:26:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 26 05:19:18 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 67190    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 349291   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 286022   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 156224   | 29.46    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 98.20%  |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 99898    | 22.75    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 75.83%  |
| 63) Toluene-d8            | 10.09  | 98    | 424911   | 31.27    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 104.23% |

## Target Compounds

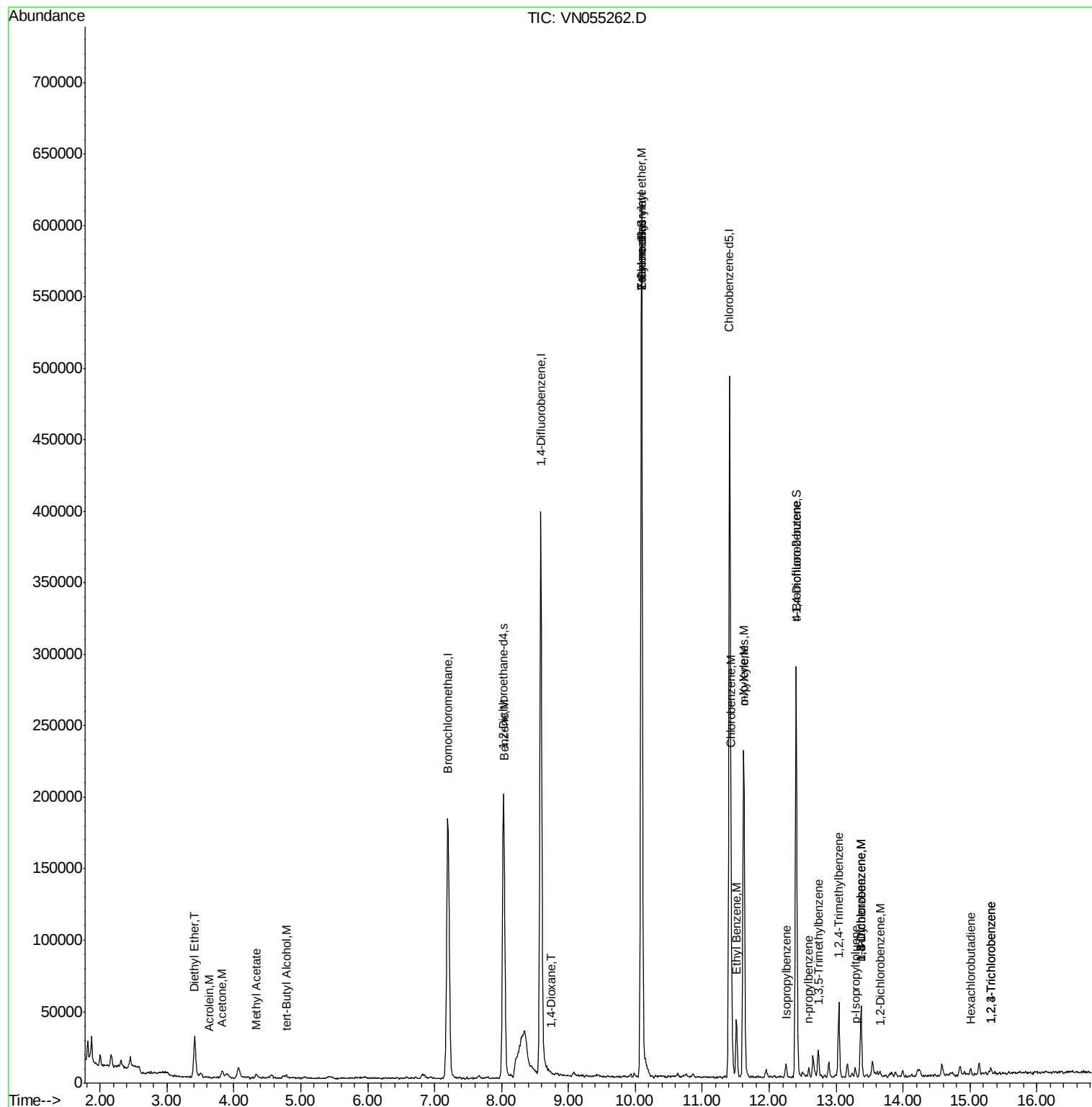
|                               |       |     |       |               | Ovalue |
|-------------------------------|-------|-----|-------|---------------|--------|
| 8) Diethyl Ether              | 3.42  | 74  | 13254 | 5.317 ug/l    | 93     |
| 12) Methyl Acetate            | 4.33  | 43  | 3013  | 0.571 ug/l #  | 75     |
| 13) Acrolein                  | 3.64  | 56  | 290   | 1.234 ug/l #  | 15     |
| 15) Acetone                   | 3.83  | 58  | 1371  | 3.034 ug/l #  | 66     |
| 23) tert-Butyl Alcohol        | 4.79  | 59  | 589   | 1.538 ug/l #  | 100    |
| 34) Benzene                   | 8.04  | 78  | 21615 | 1.304 ug/l #  | 1      |
| 45) 1,4-Dioxane               | 8.74  | 88  | 99    | 2.233 ug/l #  | 25     |
| 51) Ethyl methacrylate        | 10.10 | 69  | 1338  | 0.263 ug/l    | 95     |
| 55) 2-Chloroethyl vinyl ether | 10.10 | 63  | 604   | 0.393 ug/l #  | 1      |
| 64) Chlorobenzene             | 11.44 | 112 | 29601 | 3.088 ug/l    | 96     |
| 66) Ethyl Benzene             | 11.51 | 91  | 26906 | 1.564 ug/l    | 99     |
| 67) m/p-Xylenes               | 11.62 | 106 | 69905 | 11.099 ug/l   | 93     |
| 68) o-Xylene                  | 11.62 | 106 | 69905 | 11.121 ug/l   | 97     |
| 70) Isopropylbenzene          | 12.25 | 105 | 6283  | 0.380 ug/l    | 99     |
| 74) n-propylbenzene           | 12.59 | 91  | 5355  | 0.290 ug/l    | 96     |
| 76) 1,3,5-Trimethylbenzene    | 12.73 | 105 | 10661 | 0.785 ug/l    | 98     |
| 77) t-1,4-Dichloro-2-butene   | 12.40 | 75  | 51383 | 48.831 ug/l # | 3      |
| 80) 1,2,4-Trimethylbenzene    | 13.04 | 105 | 29743 | 2.272 ug/l    | 100    |
| 82) p-Isopropyltoluene        | 13.29 | 119 | 2999  | 0.234 ug/l    | 81     |
| 83) 1,3-Dichlorobenzene       | 13.36 | 146 | 5780  | 0.906 ug/l    | 95     |
| 84) 1,4-Dichlorobenzene       | 13.36 | 146 | 5780  | 0.960 ug/l    | 96     |
| 85) n-Butylbenzene            | 13.37 | 91  | 2025  | 0.207 ug/l    | 48     |
| 87) 1,2-Dichlorobenzene       | 13.66 | 146 | 1902  | 0.298 ug/l    | 78     |
| 89) 1,2,4-Trichlorobenzene    | 15.32 | 180 | 1005  | 0.398 ug/l    | 92     |
| 90) Hexachlorobutadiene       | 15.02 | 225 | 1026  | 0.480 ug/l    | 52     |
| 92) 1,2,3-Trichlorobenzene    | 15.32 | 180 | 1005  | 0.381 ug/l    | 91     |

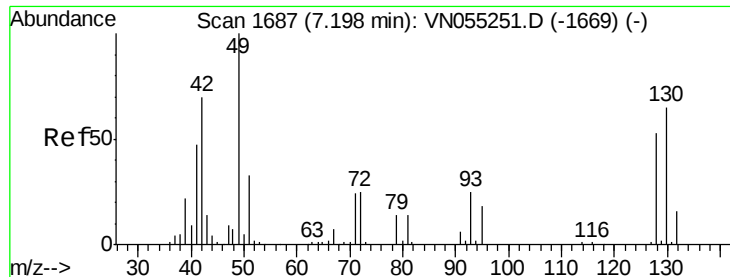
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Apr 26 05:19:18 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :  
MSVOA\_N  
ClientSampled :  
MH-6

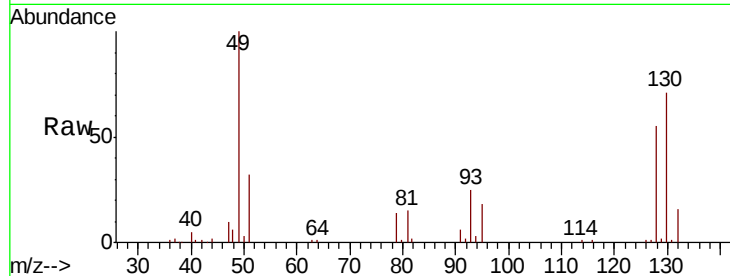
Tot Ion:128 Resp: 67190

Ion Ratio Lower Upper

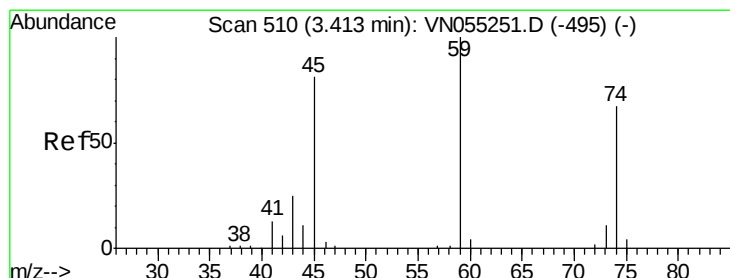
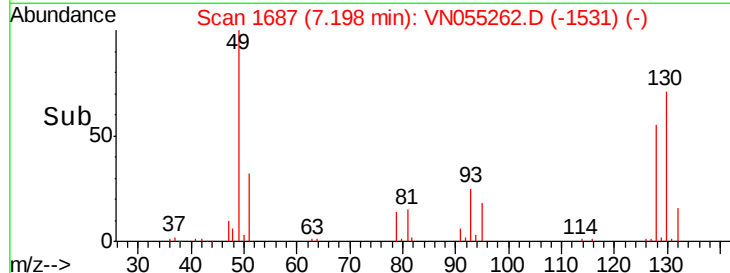
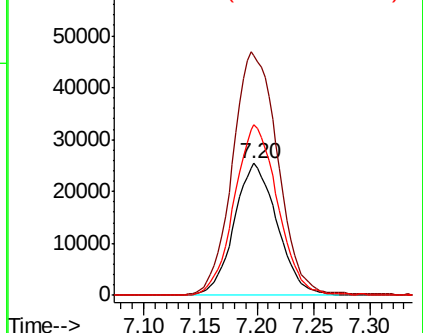
128 100

49 194.1 0.0 485.0

130 130.2 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VNO  
Ion 130.00 (129.70 to 130.70): V



#8

Diethyl Ether

Concen: 5.317 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN055262.D

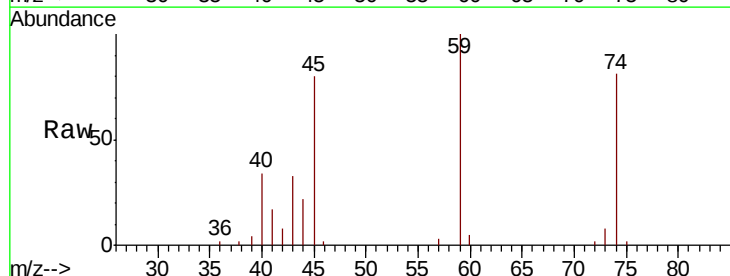
Acq: 25 Apr 2019 23:54

Tgt Ion: 74 Resp: 13254

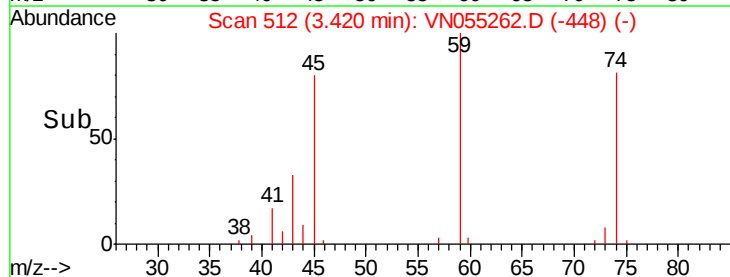
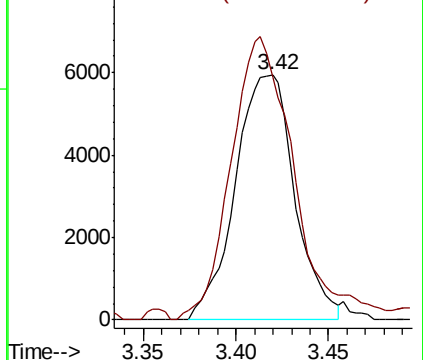
Ion Ratio Lower Upper

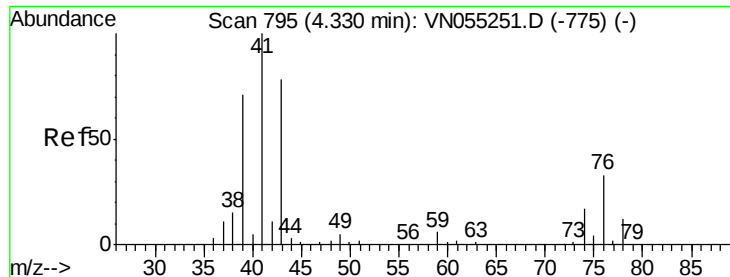
74 100

45 117.5 25.1 225.7



Abundance Ion 74.00 (73.70 to 74.70): VNO  
Ion 45.00 (44.70 to 45.70): VNO





#12

Methvl Acetate

Concen: 0.571 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampled :

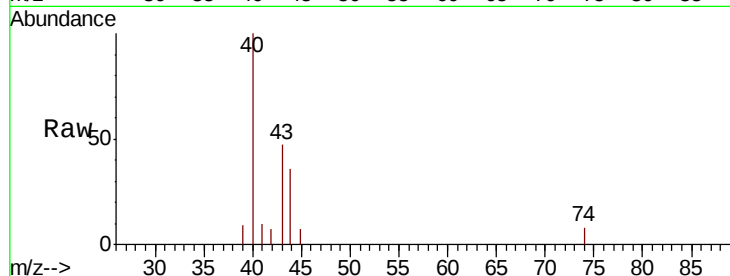
MH-6

Tot Ion: 43 Resp: 3013

Ion Ratio Lower Upper

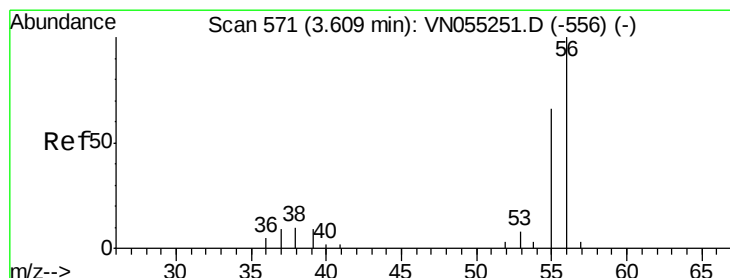
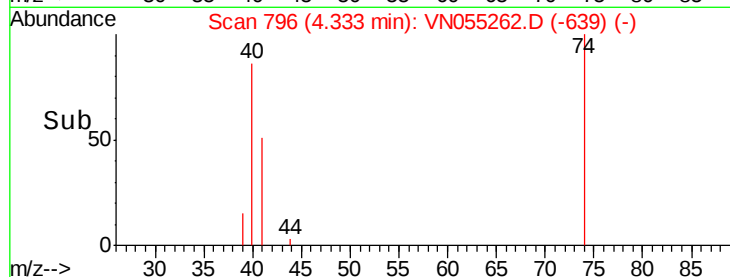
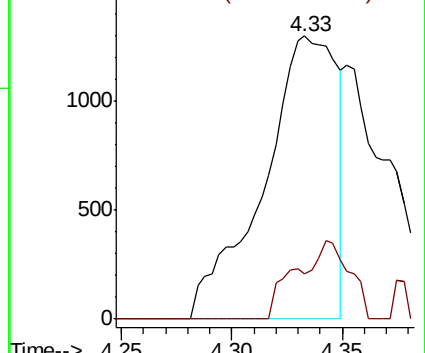
43 100

74 10.2 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#13

Acrolein

Concen: 1.234 ug/l

RT: 3.64 min Scan# 580

Delta R.T. 0.03 min

Lab File: VN055262.D

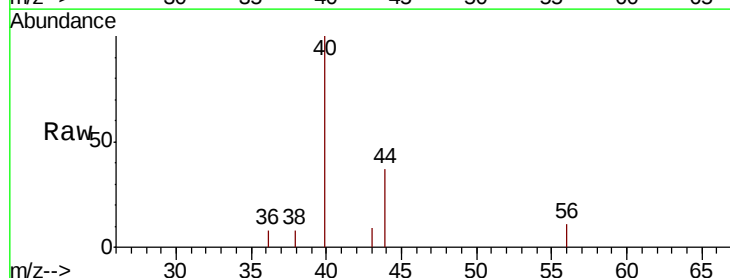
Acq: 25 Apr 2019 23:54

Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

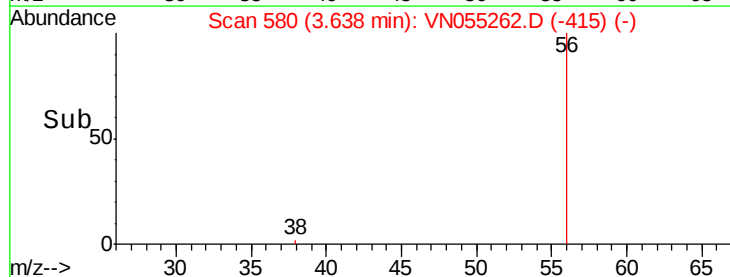
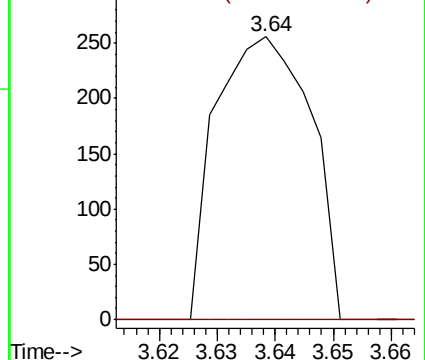
56 100

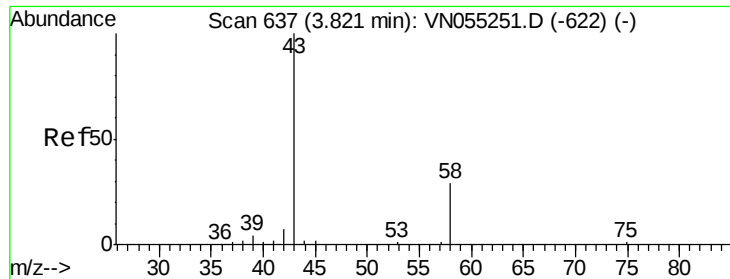
55 0.0 54.9 82.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 3.034 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampleId :

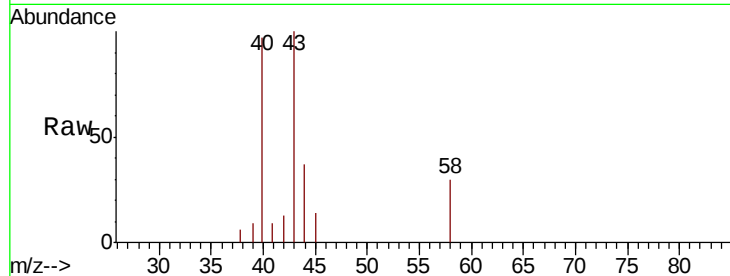
MH-6

Tot Ion: 58 Resp: 1371

Ion Ratio Lower Upper

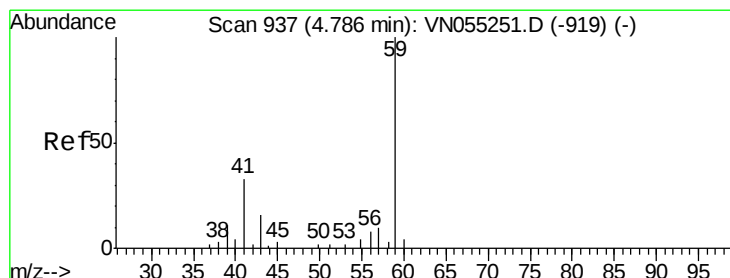
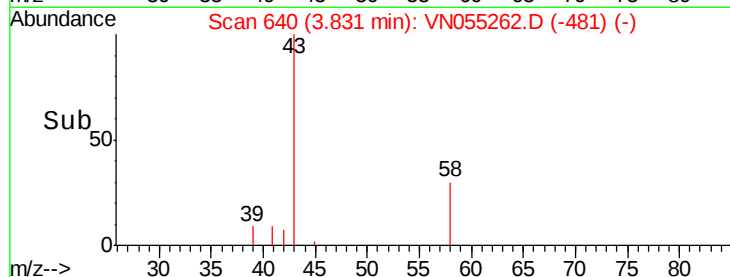
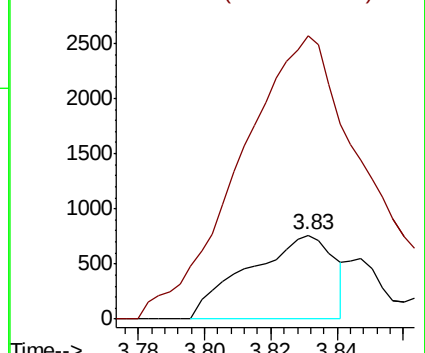
58 100

43 273.5 278.2 417.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 1.538 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.00 min

Lab File: VN055262.D

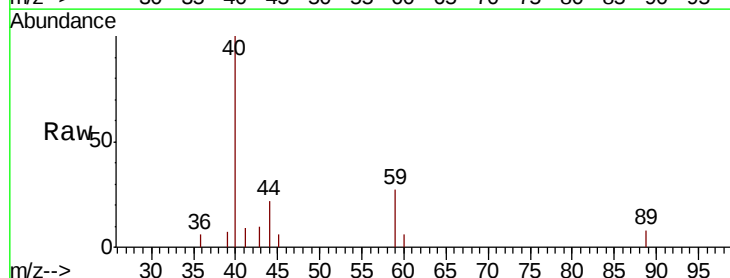
Acq: 25 Apr 2019 23:54

Tgt Ion: 59 Resp: 589

Ion Ratio Lower Upper

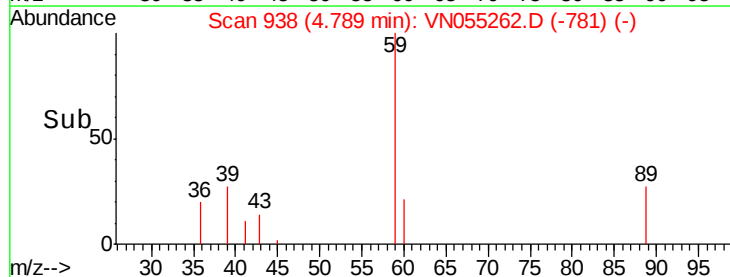
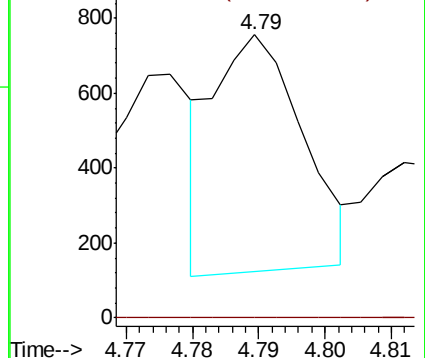
59 100

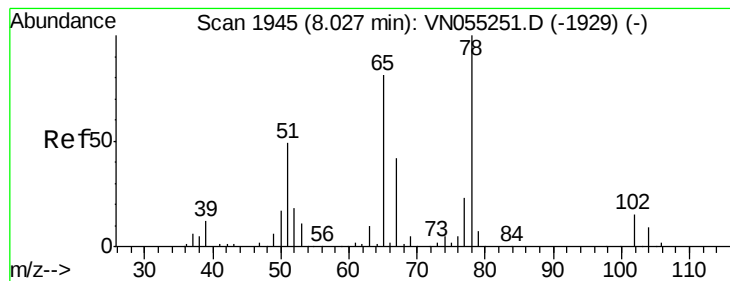
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampleId :

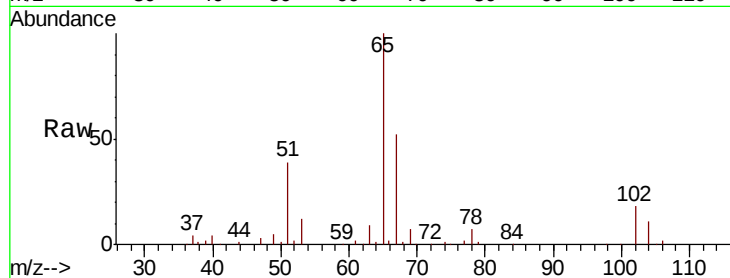
MH-6

Tot Ion: 65 Resp: 156224

Ion Ratio Lower Upper

65 100

67 54.5 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VN055262.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN055262.D (-1789) (-)

8.03

60000

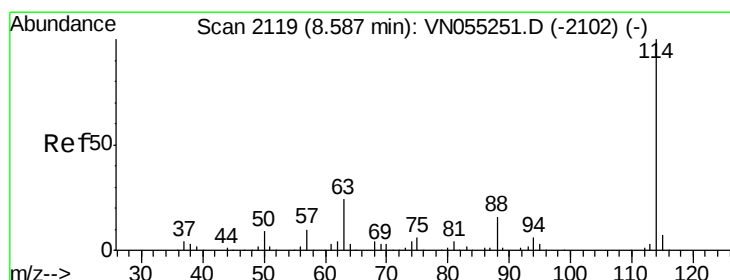
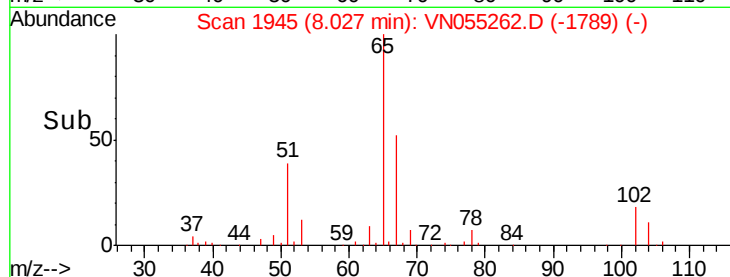
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

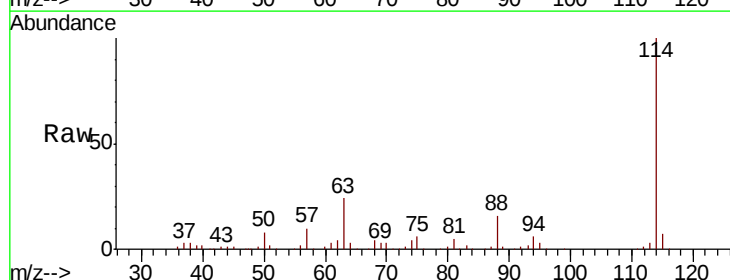
Tgt Ion: 114 Resp: 349291

Ion Ratio Lower Upper

114 100

63 22.6 18.2 27.2

88 16.0 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN055262.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN055262.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN055262.D (-1963) (-)

8.59

200000

150000

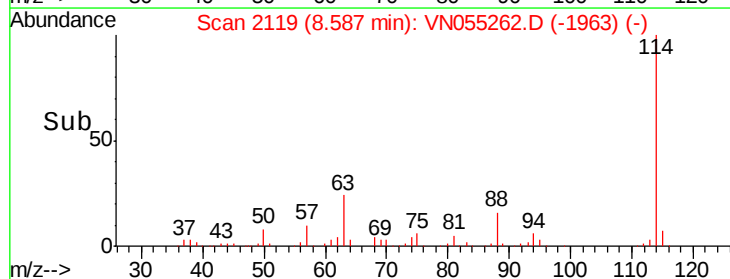
100000

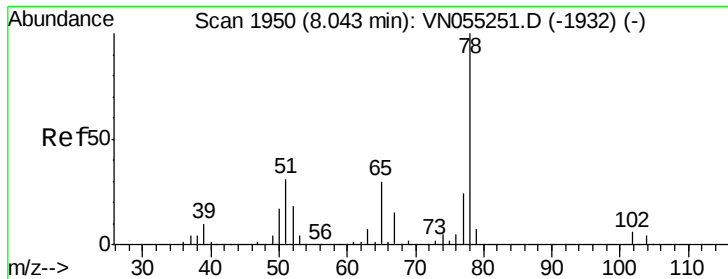
50000

0

8.50 8.55 8.60 8.65

Time-->





#34

Benzene

Concen: 1.304 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampleId :

MH-6

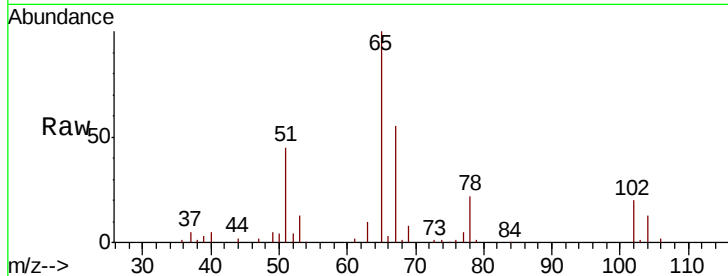
Tot Ion: 78 Resp: 21615

Ion Ratio Lower Upper

78 100

77 21.8 19.1 28.7

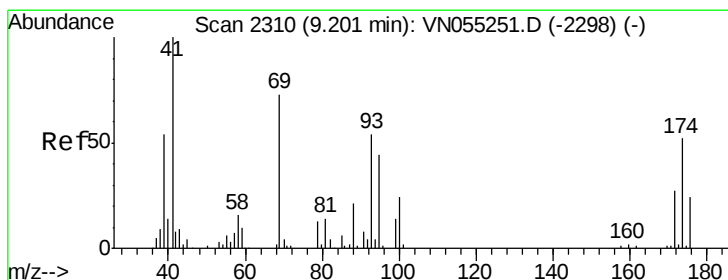
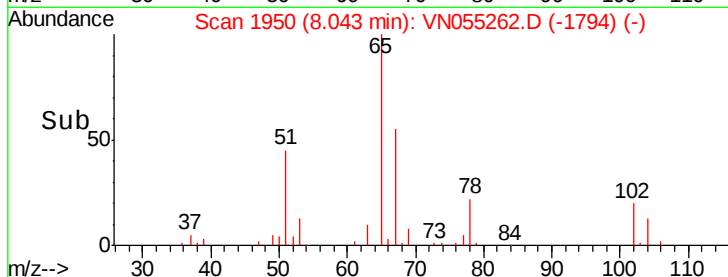
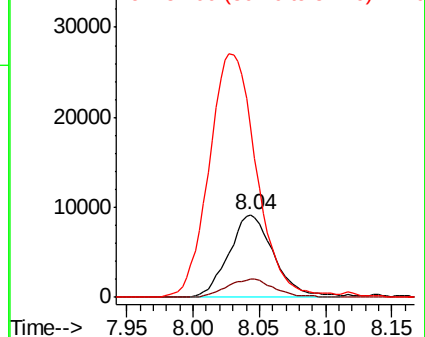
51 201.6 24.5 36.7#



Abundance Ion 78.10 (77.80 to 78.80): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#45

1,4-Dioxane

Concen: 2.233 ug/l

RT: 8.74 min Scan# 2168

Delta R.T. -0.46 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

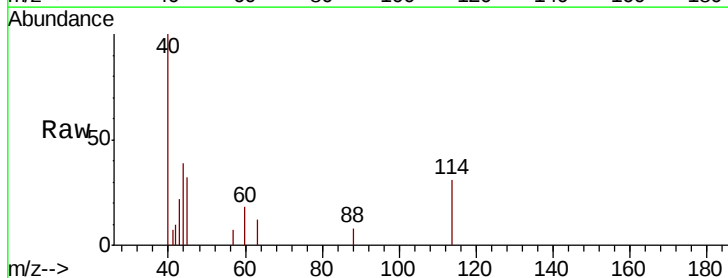
Tgt Ion: 88 Resp: 99

Ion Ratio Lower Upper

88 100

43 62.6 29.4 44.0#

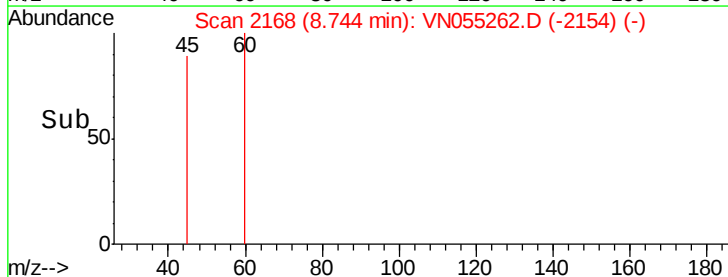
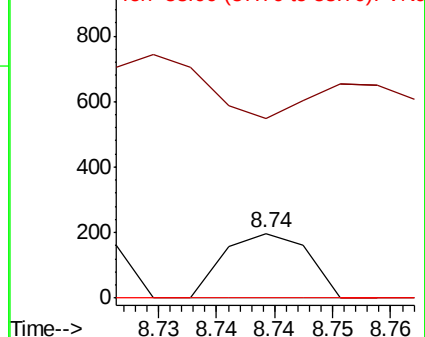
58 0.0 62.4 93.6#

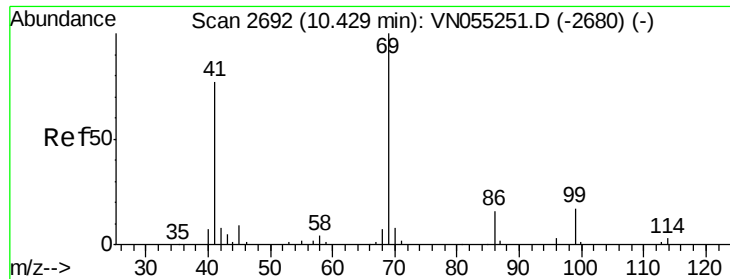


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

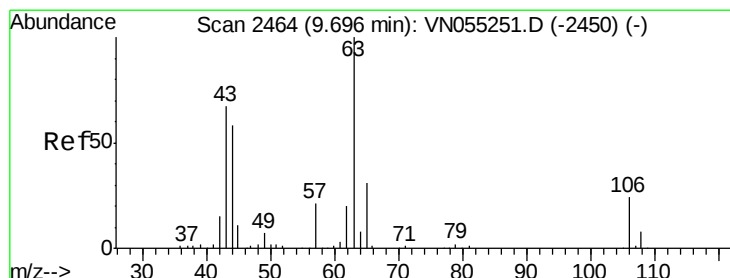
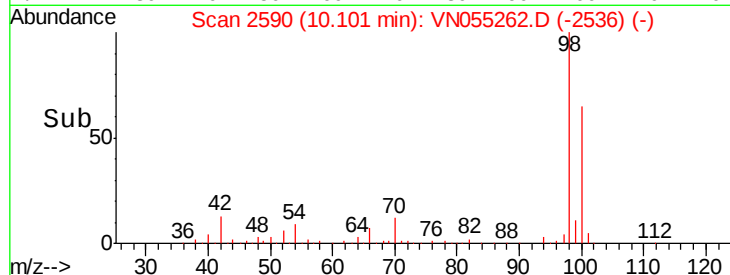
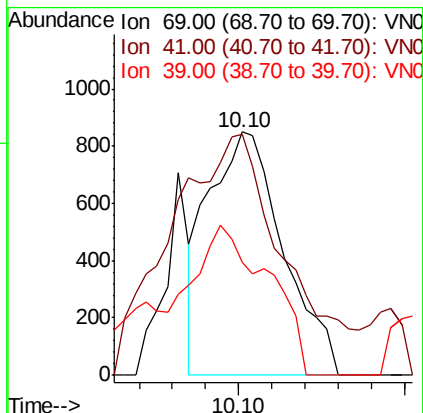
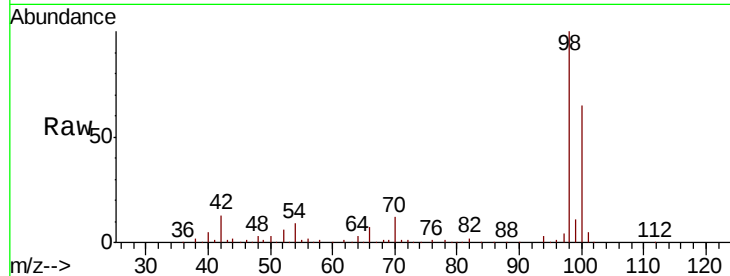




#51  
Ethyl methacrylate  
Concen: 0.263 ug/l  
RT: 10.10 min Scan# 2590  
Delta R.T. -0.33 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

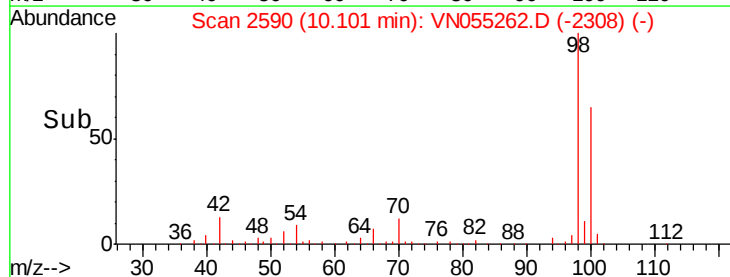
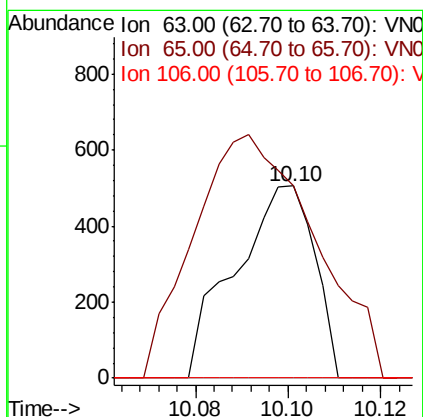
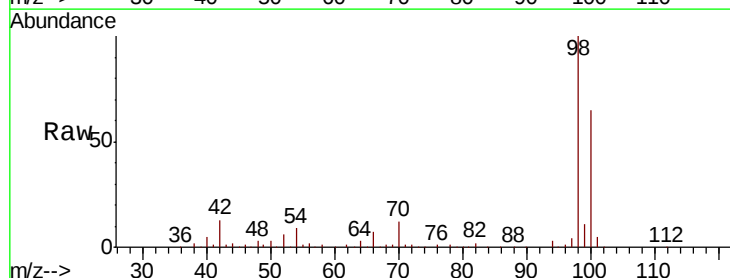
Instrument :  
MSVOA\_N  
ClientSampled :  
MH-6

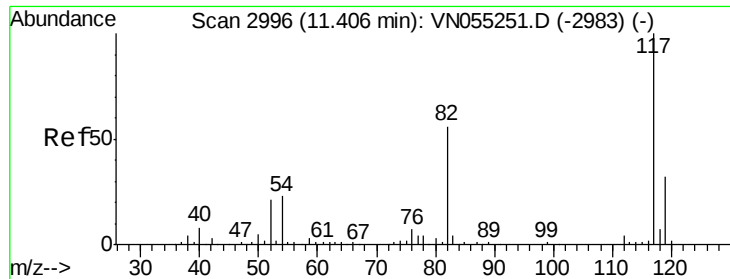
Tot Ion: 69 Resp: 1338  
Ion Ratio Lower Upper  
69 100  
41 76.1 38.7 116.1  
39 46.2 19.9 59.6



#55  
2-Chloroethyl vinyl ether  
Concen: 0.393 ug/l  
RT: 10.10 min Scan# 2590  
Delta R.T. 0.41 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

Tgt Ion: 63 Resp: 604  
Ion Ratio Lower Upper  
63 100  
65 192.4 25.1 37.7#  
106 0.0 19.4 29.0#

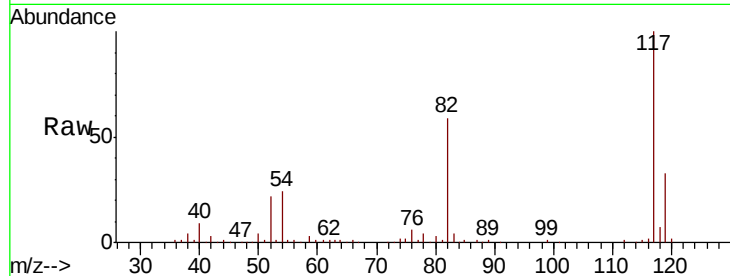




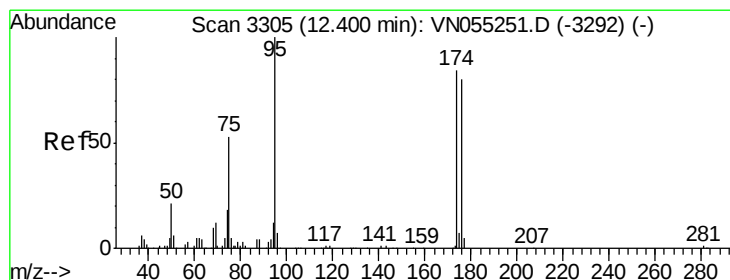
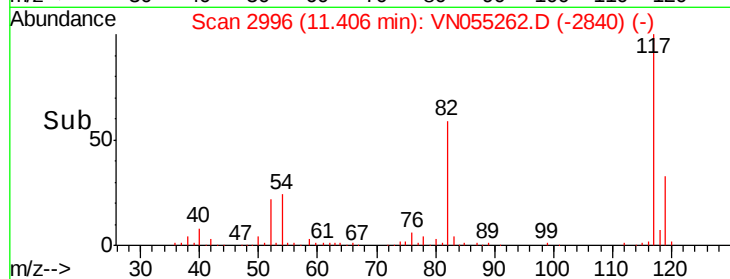
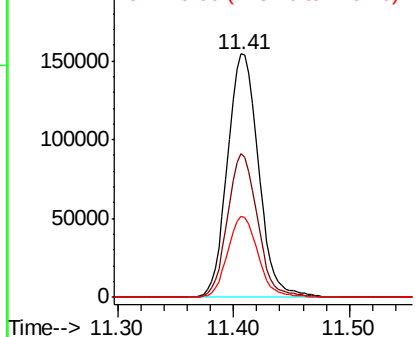
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

Instrument :  
MSVOA\_N  
ClientSampled :  
MH-6

Tot Ion:117 Resp: 286022  
Ion Ratio Lower Upper  
117 100  
82 57.2 45.3 67.9  
119 32.5 25.4 38.0

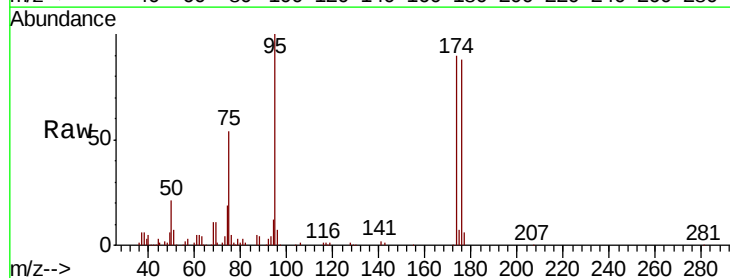


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 119.00 (118.70 to 119.70): V

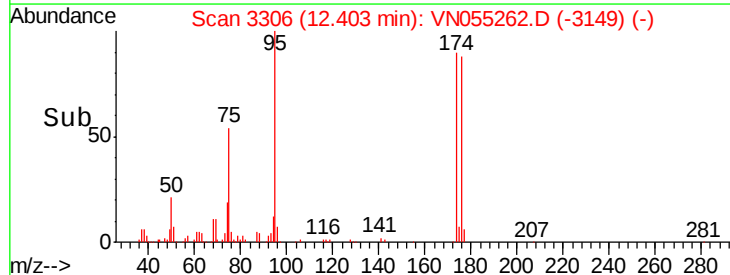
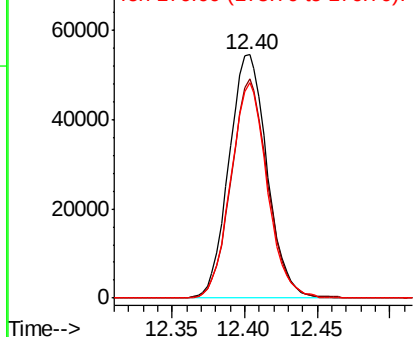


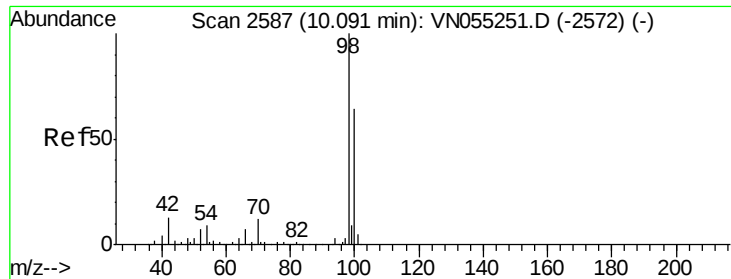
#60  
4-Bromofluorobenzene  
Concen: Below ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

Tgt Ion: 95 Resp: 99898  
Ion Ratio Lower Upper  
95 100  
174 86.1 68.1 102.1  
176 84.1 65.8 98.6



Abundance Ion 95.00 (94.70 to 95.70): VN  
Ion 174.00 (173.70 to 174.70): V  
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampled :

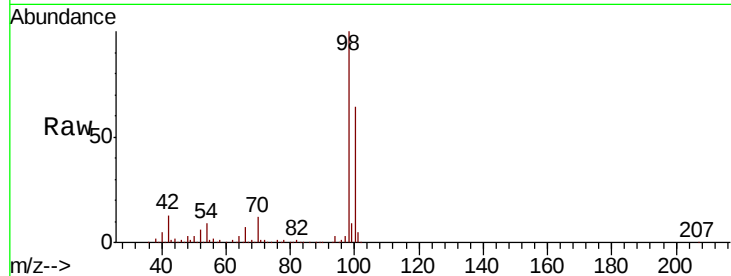
MH-6

Tot Ion: 98 Resp: 424911

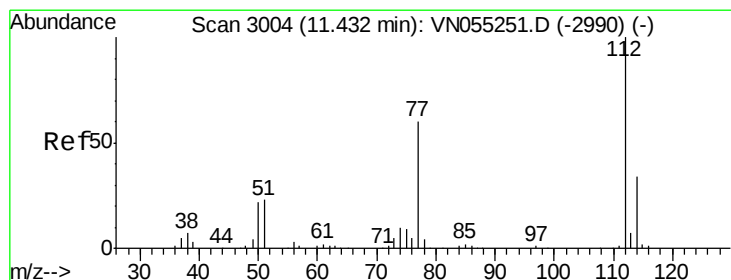
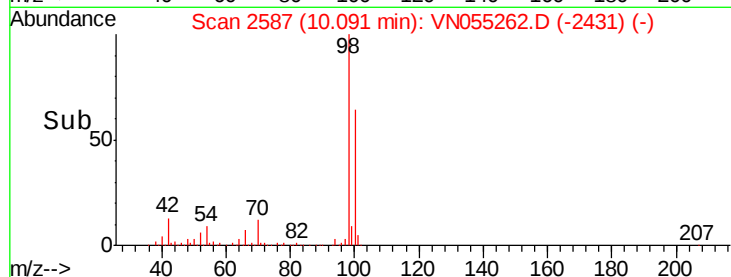
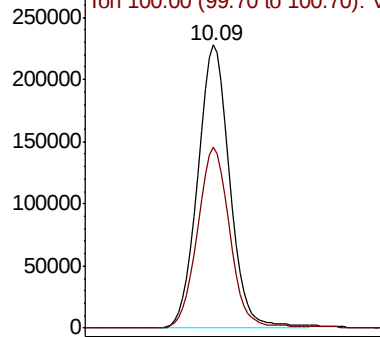
Ion Ratio Lower Upper

98 100

100 63.8 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN055251.D (-2572) (-)



#64

Chlorobenzene

Concen: 3.088 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN055262.D

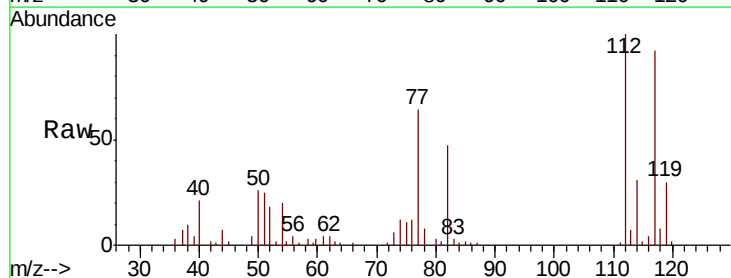
Acq: 25 Apr 2019 23:54

Tgt Ion: 112 Resp: 29601

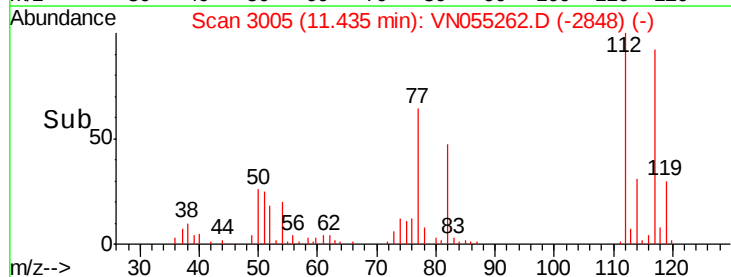
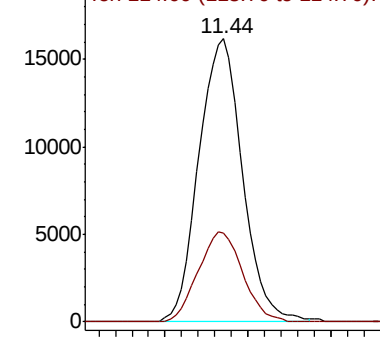
Ion Ratio Lower Upper

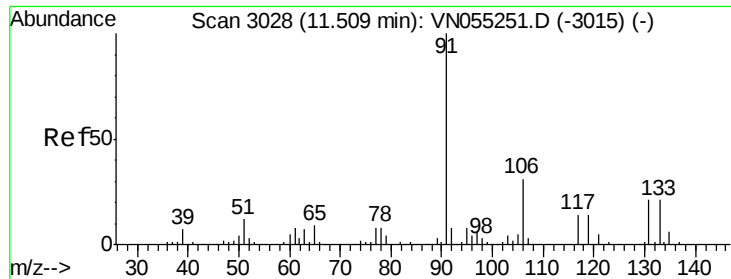
112 100

114 31.3 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): VN055251.D (-2990) (-)

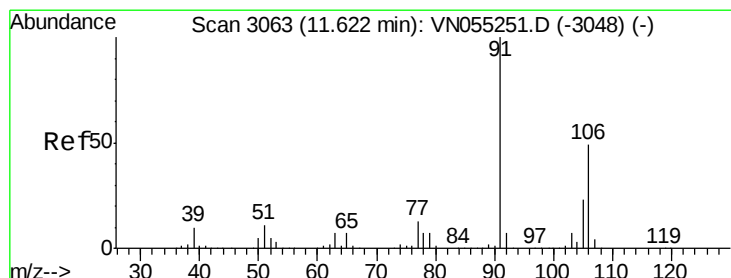
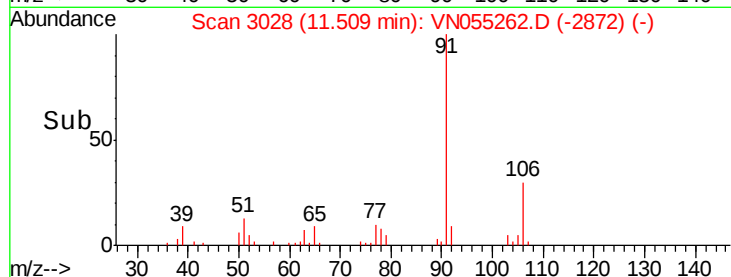
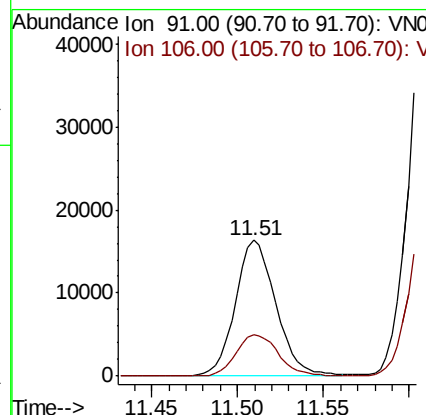
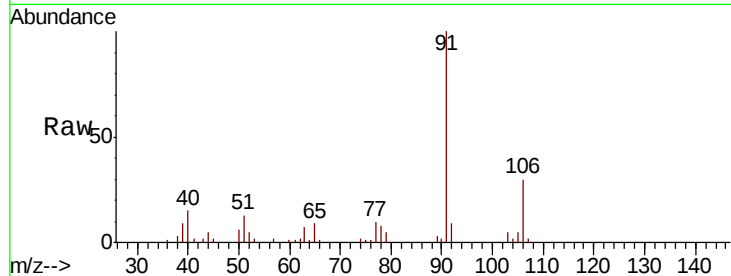




#66  
Ethyl Benzene  
Concen: 1.564 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

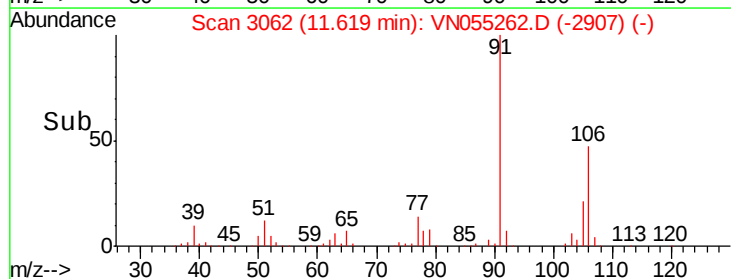
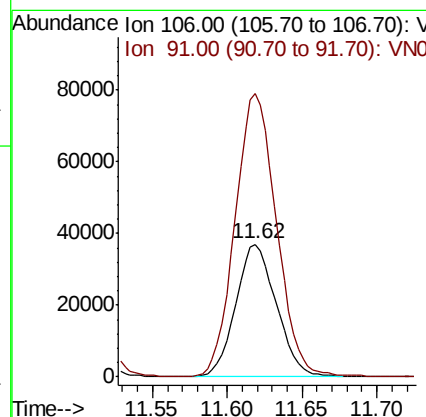
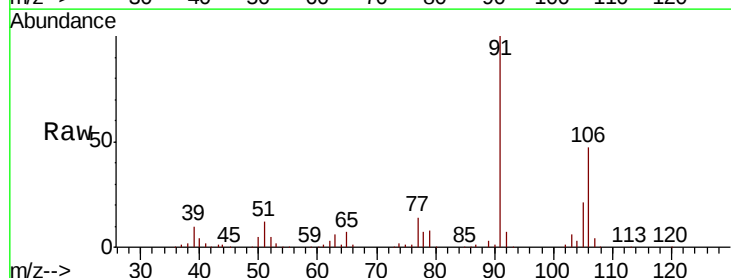
Instrument :  
MSVOA\_N  
ClientSampled :  
MH-6

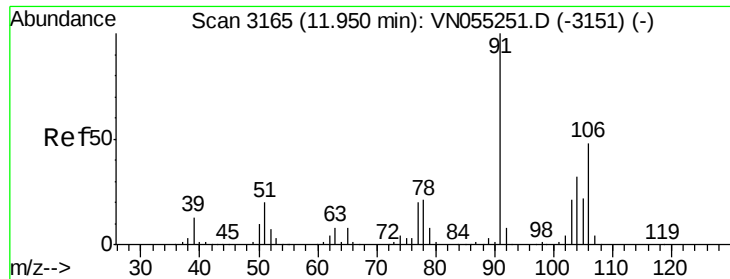
Tot Ion: 91 Resp: 26906  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.5 36.7



#67  
m/p-Xylenes  
Concen: 11.099 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

Tgt Ion: 106 Resp: 69905  
Ion Ratio Lower Upper  
106 100  
91 218.1 165.4 248.2

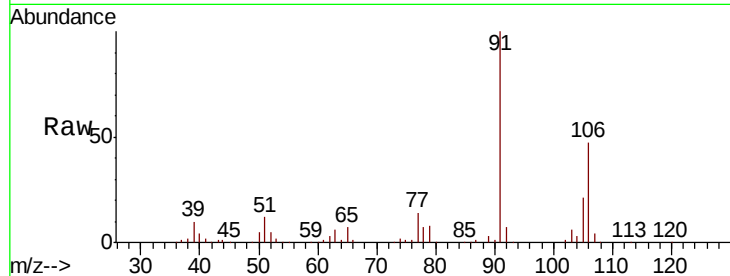




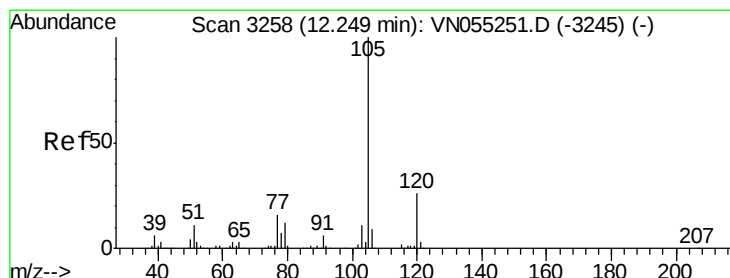
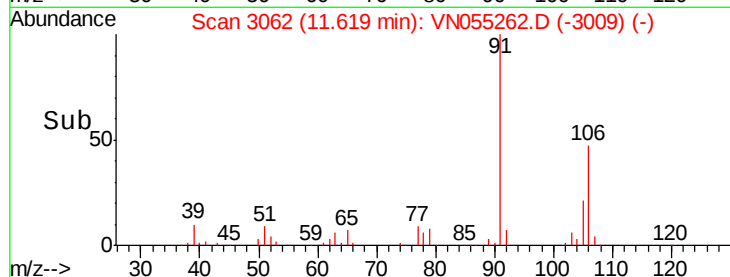
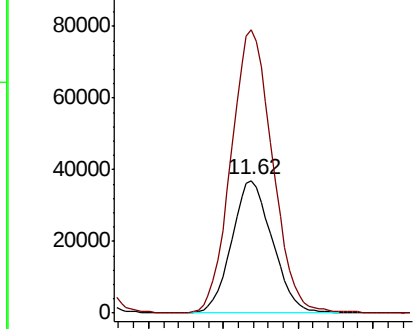
#68  
o-Xylene  
Concen: 11.121 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.33 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

Instrument :  
MSVOA\_N  
ClientSampled :  
MH-6

Tot Ion:106 Resp: 69905  
Ion Ratio Lower Upper  
106 100  
91 218.1 106.8 320.4

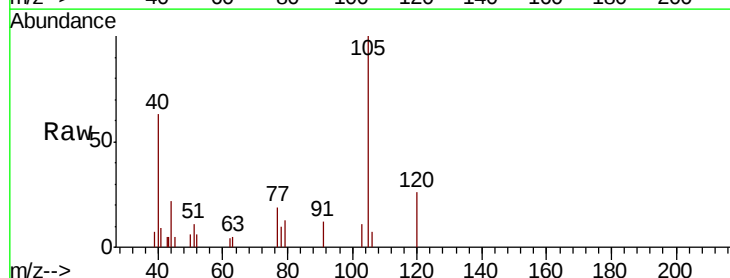


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

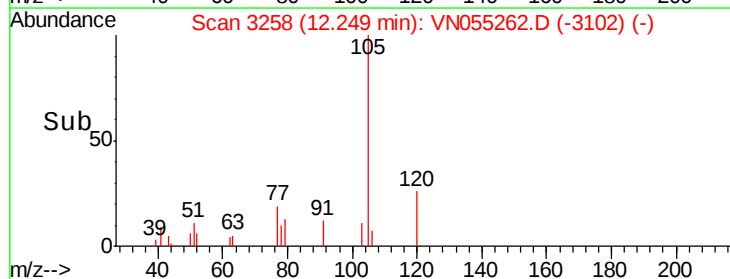
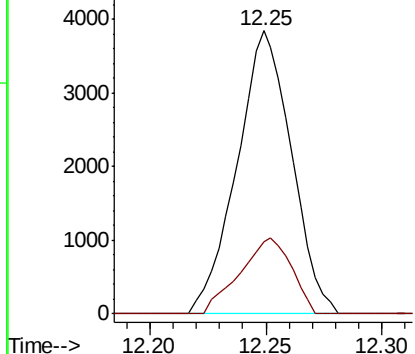


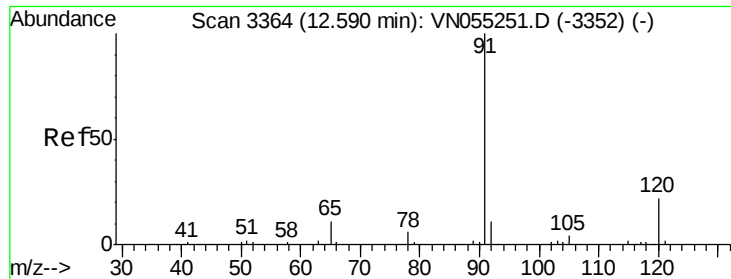
#70  
Isopropylbenzene  
Concen: 0.380 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN055262.D  
Acq: 25 Apr 2019 23:54

Tgt Ion:105 Resp: 6283  
Ion Ratio Lower Upper  
105 100  
120 25.4 18.1 33.7



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





#74

n-propylbenzene

Concen: 0.290 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampled :

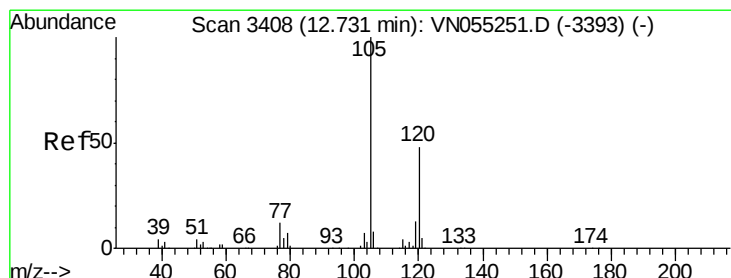
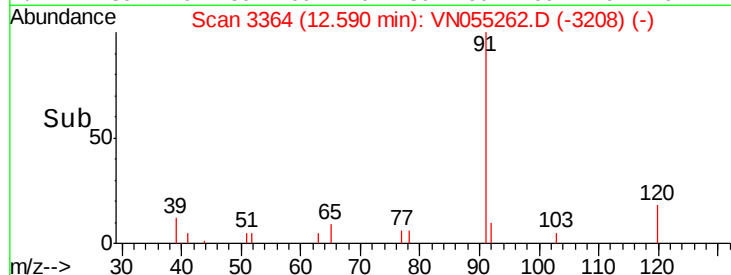
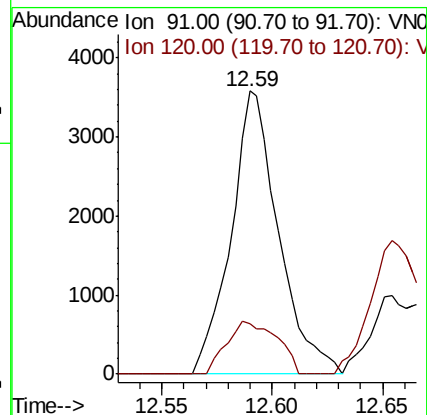
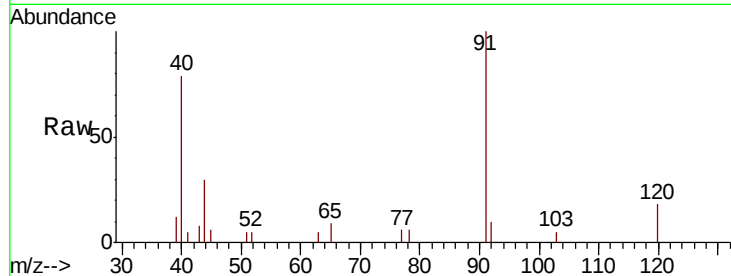
MH-6

Tot Ion: 91 Resp: 5355

Ion Ratio Lower Upper

91 100

120 19.8 0.0 43.6



#76

1,3,5-Trimethylbenzene

Concen: 0.785 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055262.D

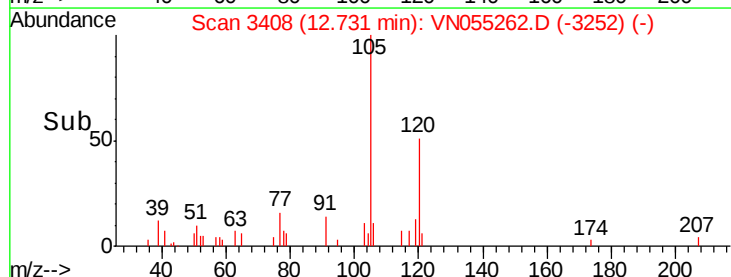
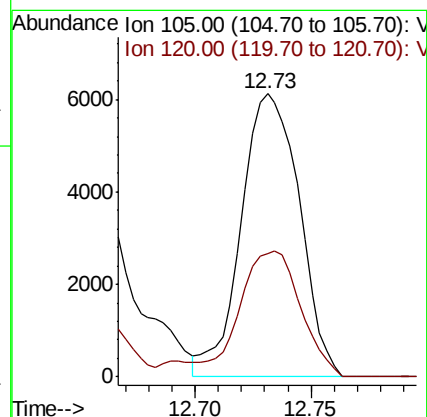
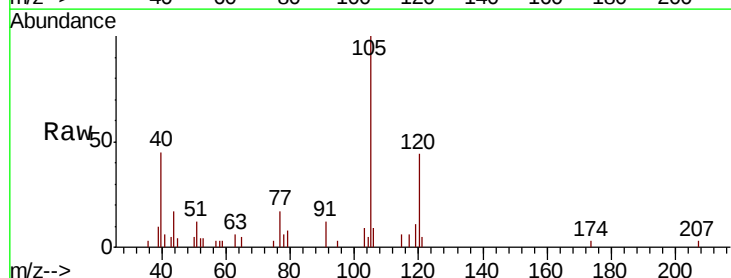
Acq: 25 Apr 2019 23:54

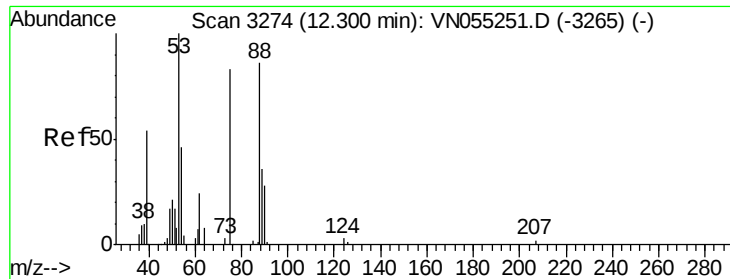
Tgt Ion:105 Resp: 10661

Ion Ratio Lower Upper

105 100

120 46.4 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 48.831 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampled :

MH-6

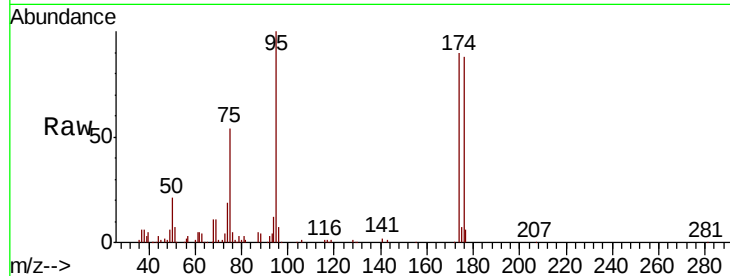
Tot Ion: 75 Resp: 51383

Ion Ratio Lower Upper

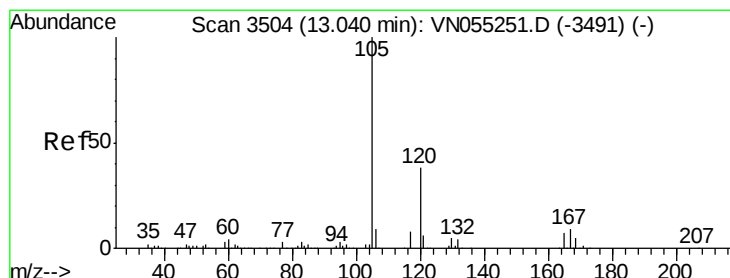
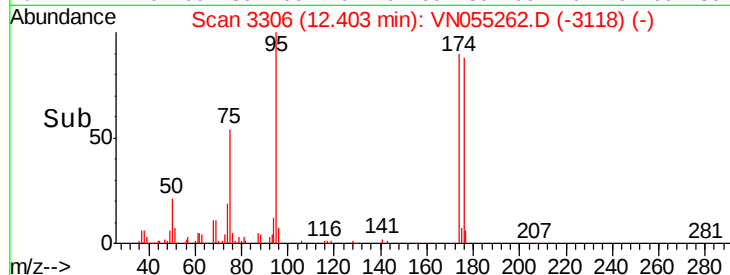
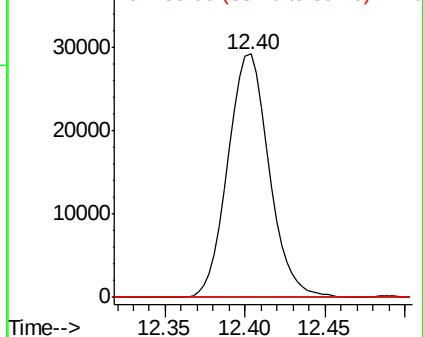
75 100

53 0.0 59.5 178.5#

89 0.0 23.1 69.2#



Abundance Ion 75.00 (74.70 to 75.70): VN0  
Ion 53.00 (52.70 to 53.70): VN0  
Ion 89.00 (88.70 to 89.70): VN0



#80

1,2,4-Trimethylbenzene

Concen: 2.272 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055262.D

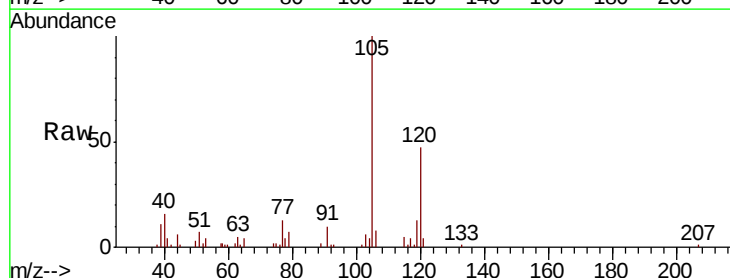
Acq: 25 Apr 2019 23:54

Tgt Ion:105 Resp: 29743

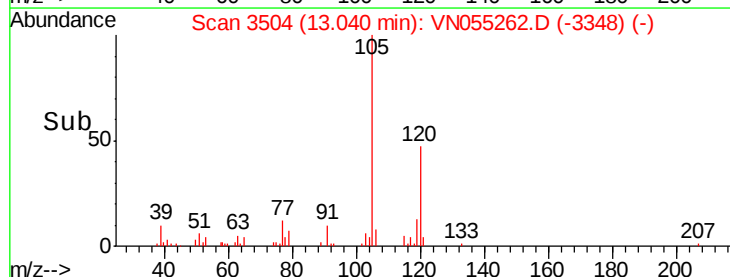
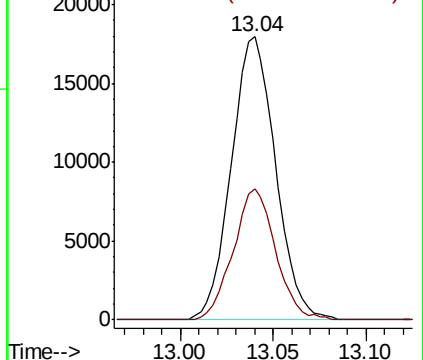
Ion Ratio Lower Upper

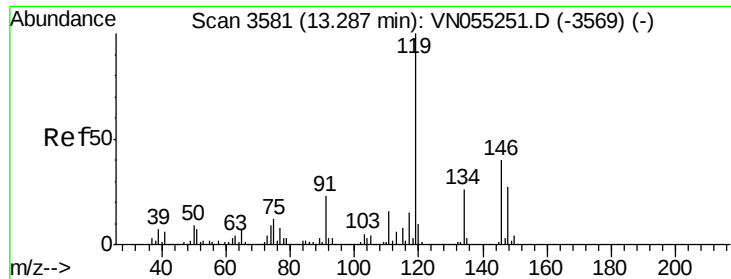
105 100

120 44.3 0.0 88.6



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

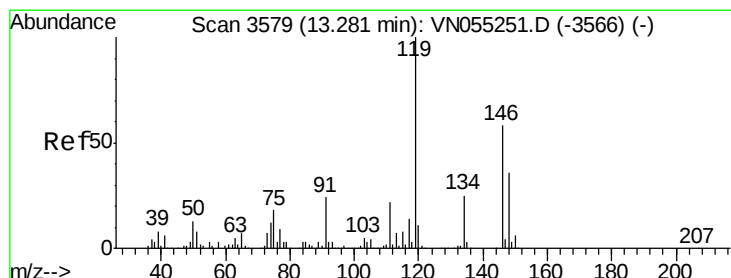
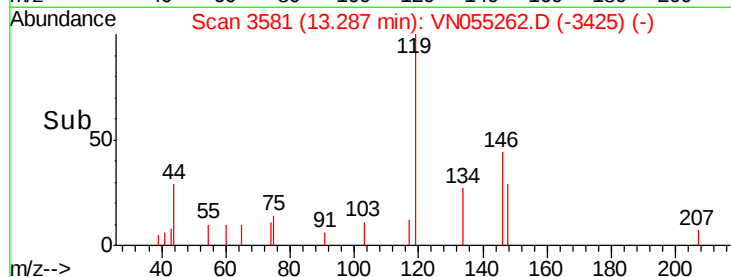
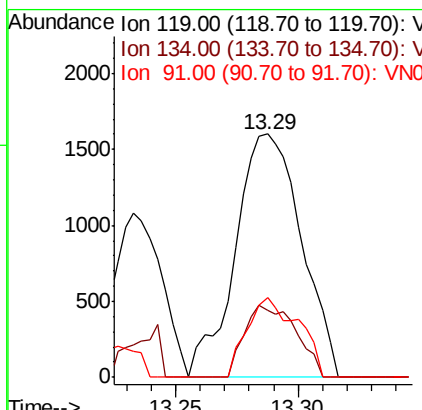
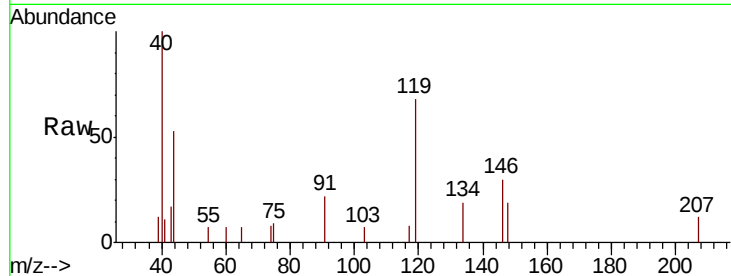




#82  
 p-Isopropyltoluene  
 Concen: 0.234 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN055262.D  
 Acq: 25 Apr 2019 23:54

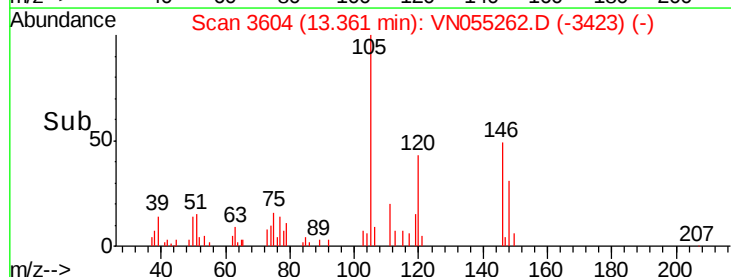
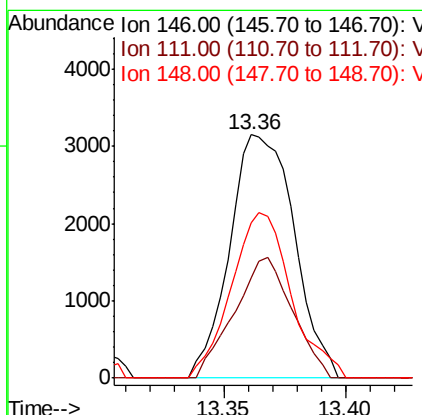
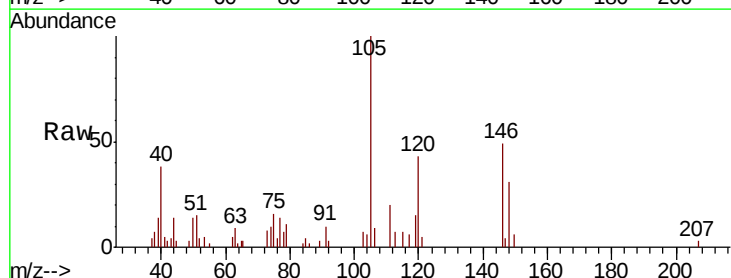
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MH-6

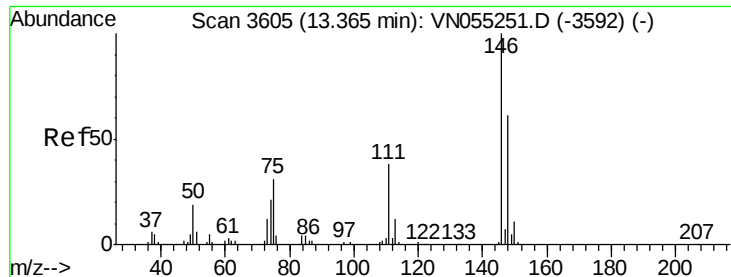
Tot Ion:119 Resp: 2999  
 Ion Ratio Lower Upper  
 119 100  
 134 14.1 0.0 53.2  
 91 17.1 0.0 47.6



#83  
 1,3-Dichlorobenzene  
 Concen: 0.906 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.08 min  
 Lab File: VN055262.D  
 Acq: 25 Apr 2019 23:54

Tgt Ion:146 Resp: 5780  
 Ion Ratio Lower Upper  
 146 100  
 111 44.5 19.9 59.7  
 148 63.0 32.8 98.3





#84

1,4-Dichlorobenzene

Concen: 0.960 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampled :

MH-6

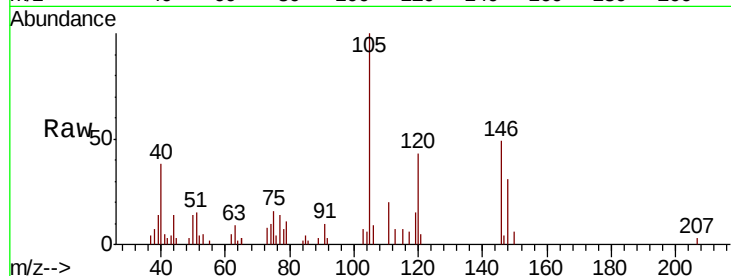
Tot Ion:146 Resp: 5780

Ion Ratio Lower Upper

146 100

111 44.5 18.9 56.5

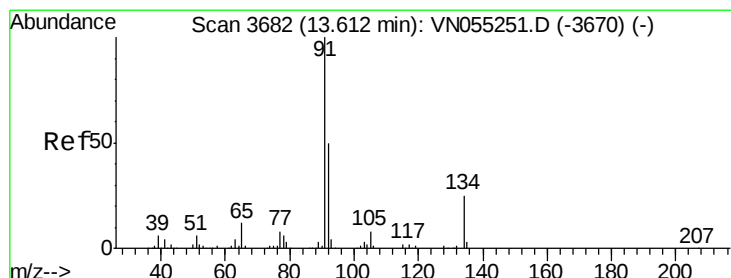
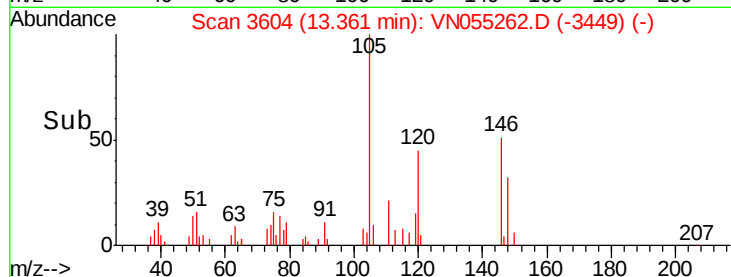
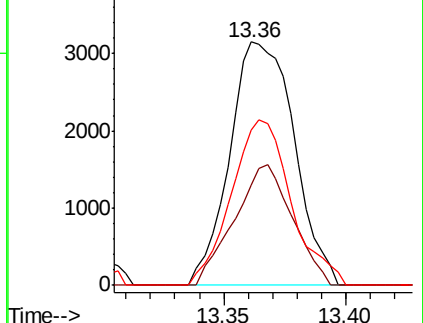
148 63.0 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 0.207 ug/l

RT: 13.37 min Scan# 3608

Delta R.T. -0.24 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

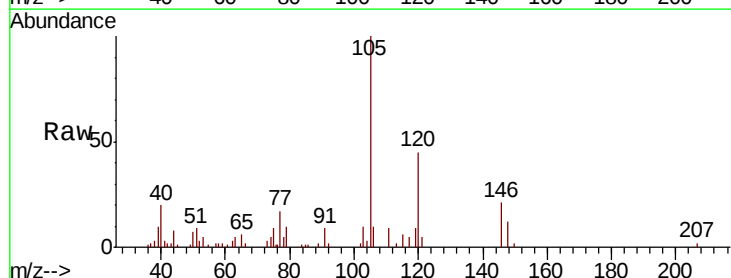
Tgt Ion: 91 Resp: 2025

Ion Ratio Lower Upper

91 100

92 11.8 0.0 102.8

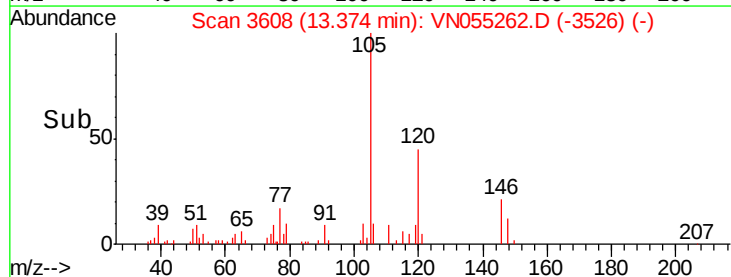
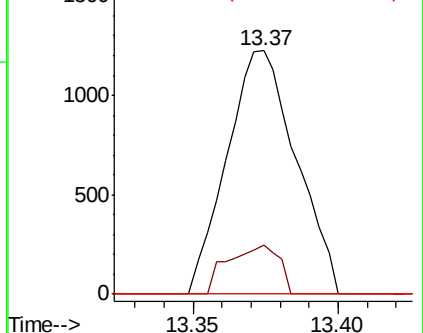
134 3.2 0.0 50.0

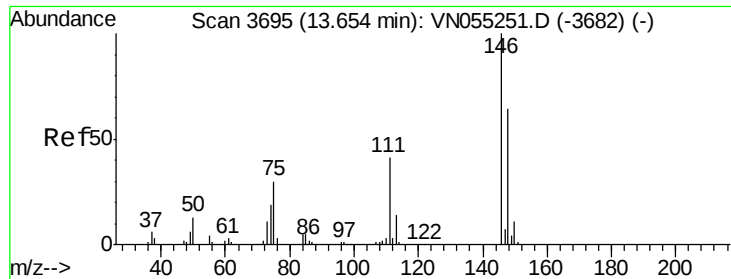


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

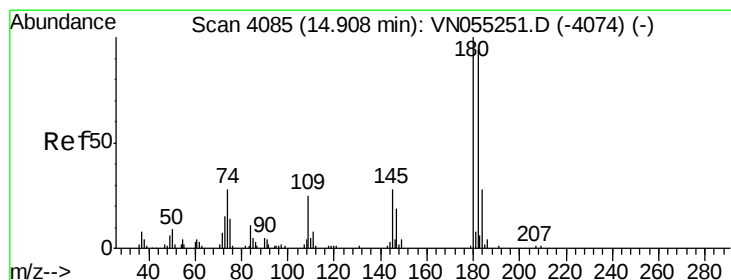
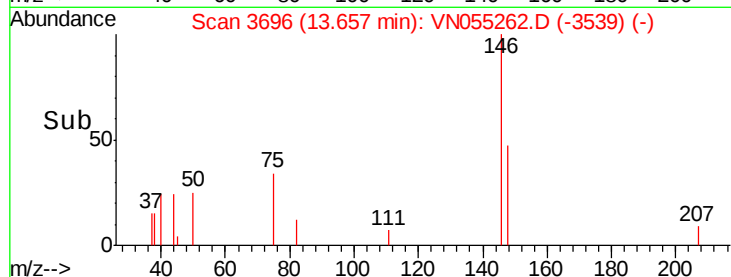
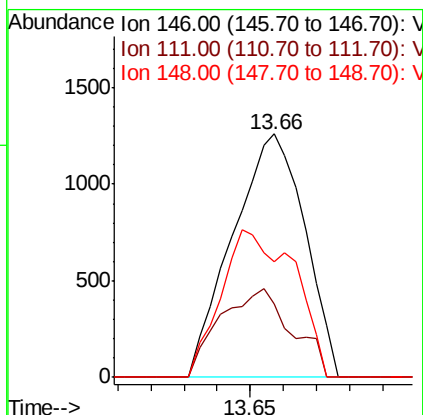
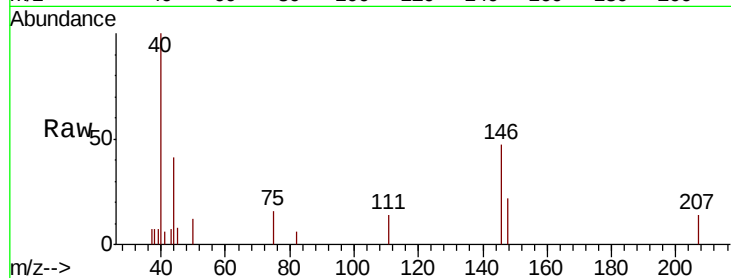




#87  
 1,2-Dichlorobenzene  
 Concen: 0.298 ug/l  
 RT: 13.66 min Scan# 3696  
 Delta R.T. 0.00 min  
 Lab File: VN055262.D  
 Acq: 25 Apr 2019 23:54

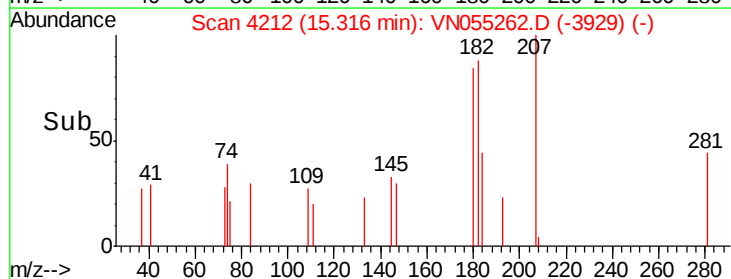
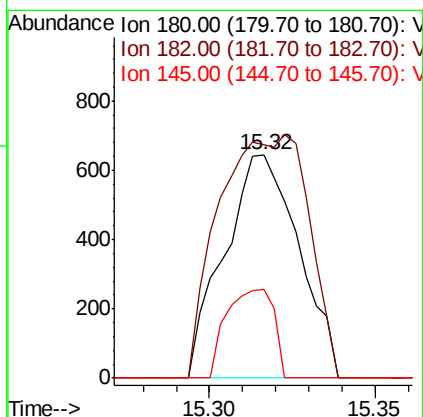
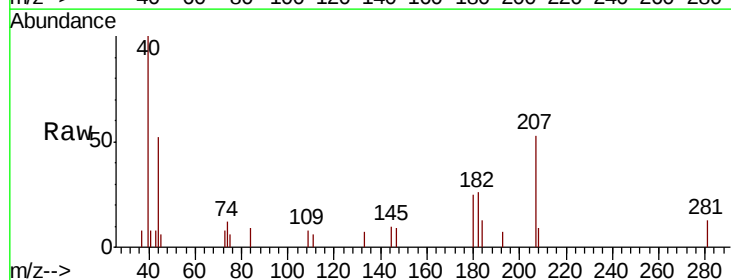
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-6

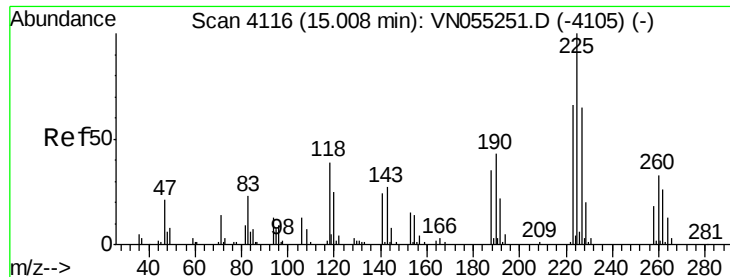
Tot Ion:146 Resp: 1902  
 Ion Ratio Lower Upper  
 146 100  
 111 32.1 20.8 62.2  
 148 42.7 31.9 95.5



#89  
 1,2,4-Trichlorobenzene  
 Concen: 0.398 ug/l  
 RT: 15.32 min Scan# 4212  
 Delta R.T. 0.41 min  
 Lab File: VN055262.D  
 Acq: 25 Apr 2019 23:54

Tgt Ion:180 Resp: 1005  
 Ion Ratio Lower Upper  
 180 100  
 182 85.6 74.8 112.2  
 145 25.2 23.2 34.8





#90

Hexachlorobutadiene

Concen: 0.480 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

Instrument :

MSVOA\_N

ClientSampled :

MH-6

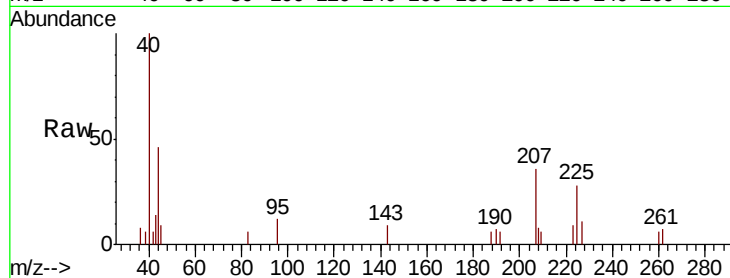
Tot Ion:225 Resp: 1026

Ion Ratio Lower Upper

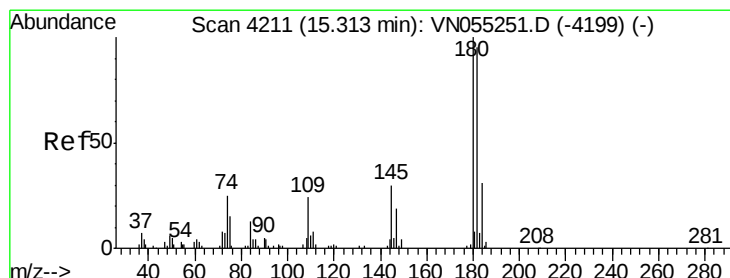
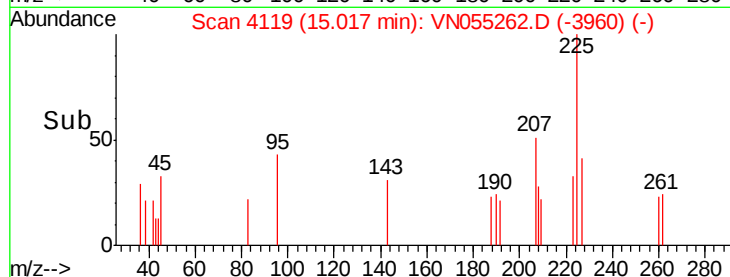
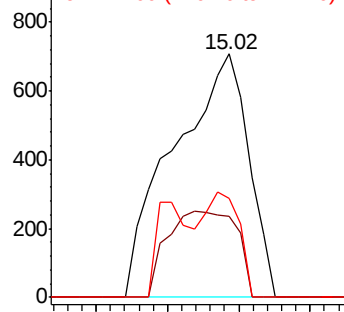
225 100

223 32.7 0.0 125.2

227 19.9 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V  
Ion 223.00 (222.70 to 223.70): V  
Ion 227.00 (226.70 to 227.70): V



#92

1,2,3-Trichlorobenzene

Concen: 0.381 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055262.D

Acq: 25 Apr 2019 23:54

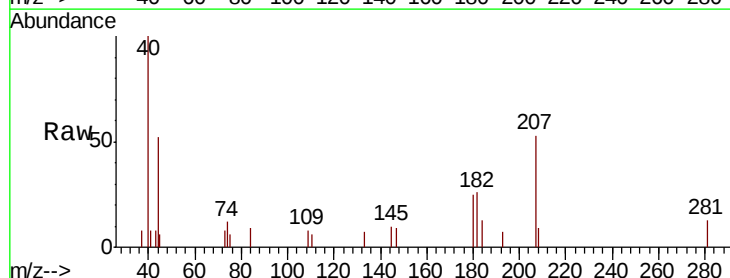
Tgt Ion:180 Resp: 1005

Ion Ratio Lower Upper

180 100

182 85.6 0.0 188.0

145 25.2 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V

