

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\  
 Data File : VN056189.D  
 Acq On : 11 Jun 2019 00:34  
 Operator : JC/SP  
 Sample : K3203-16DL 5X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS043MW100-190604DL

Quant Time: Jun 11 02:25:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 300414   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 451788   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 439639   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 135978   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 162895   | 54.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.22% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 151101   | 54.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.02% |      |
| 50) Toluene-d8            | 10.09  | 98  | 589102   | 55.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.46% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 186163   | 51.32 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.64% |      |

## Target Compounds

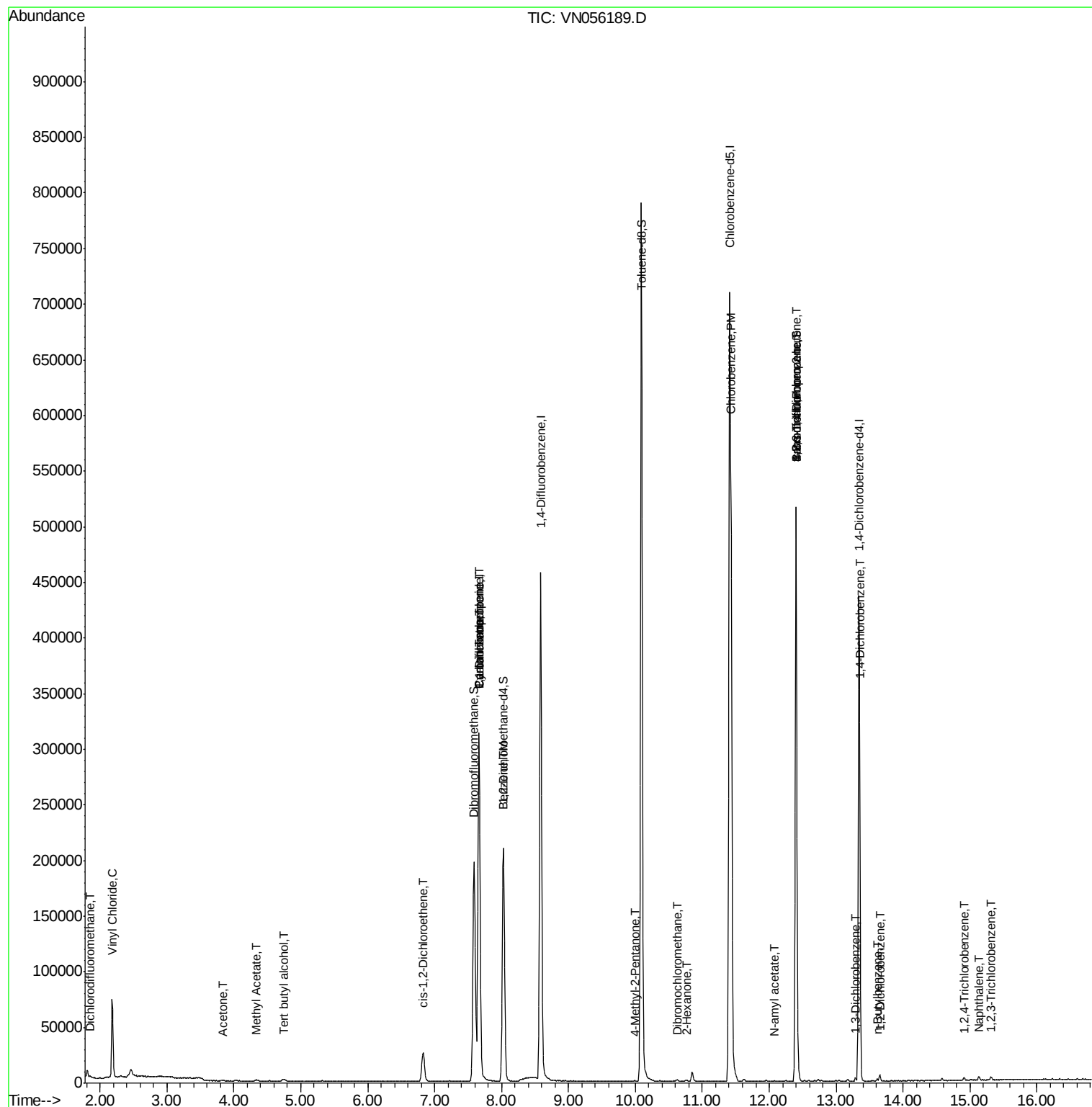
|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.85  | 85  | 124    | 0.392     | ug/l # | 42     |
| 4) Vinyl Chloride              | 2.18  | 62  | 64921  | 19.874    | ug/l   | 99     |
| 11) Tert butyl alcohol         | 4.74  | 59  | 1353   | 2.607     | ug/l # | 74     |
| 16) Acetone                    | 3.82  | 43  | 1198   | 0.840     | ug/l # | 41     |
| 18) Methyl Acetate             | 4.33  | 43  | 2324   | 0.254     | ug/l # | 78     |
| 27) cis-1,2-Dichloroethene     | 6.83  | 96  | 18870  | 5.941     | ug/l   | 89     |
| 31) Cyclohexane                | 7.66  | 56  | 4387   | 0.927     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75  | 17045  | 4.388     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 24260  | 6.774     | ug/l # | 14     |
| 40) Benzene                    | 8.04  | 78  | 25179  | 2.134     | ug/l   | 98     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 736    | 0.210     | ug/l # | 35     |
| 59) 2-Hexanone                 | 10.76 | 43  | 1294   | 0.510     | ug/l   | 65     |
| 60) Dibromochloromethane       | 10.63 | 129 | 234    | 2.521     | ug/l # | 11     |
| 65) Chlorobenzene              | 11.43 | 112 | 260081 | 29.725    | ug/l   | 99     |
| 71) Bromoform                  | 12.40 | 173 | 1405   | 3.266     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105 | 968    | Below Cal | #      | 48     |
| 74) N-amyl acetate             | 12.07 | 43  | 743    | 0.205     | ug/l # | 43     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 85475  | 34.162    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.68 | 91  | 729    | Below Cal |        | 86     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 85475  | 113.766   | ug/l # | 15     |
| 83) tert-Butylbenzene          | 12.99 | 119 | 583    | Below Cal | #      | 80     |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146 | 1037   | 0.230     | ug/l # | 79     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146 | 2219   | 0.512     | ug/l # | 50     |
| 89) n-Butylbenzene             | 13.62 | 91  | 1585   | 0.235     | ug/l   | 91     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146 | 3118   | 0.685     | ug/l   | 97     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 1103   | 4.672     | ug/l   | 95     |
| 94) Hexachlorobutadiene        | 15.01 | 225 | 507    | Below Cal |        | 82     |
| 95) Naphthalene                | 15.13 | 128 | 3670   | 4.372     | ug/l   | 95     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180 | 1404   | 3.547     | ug/l   | 84     |

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

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QLast Update : Tue Jun 04 11:02:09 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

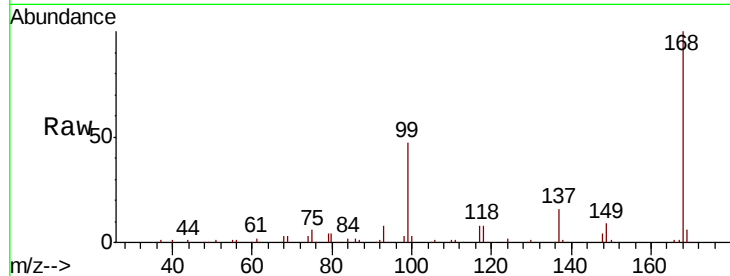
SS043MW100-190604DL

Tot Ion:168 Resp: 300414

Ion Ratio Lower Upper

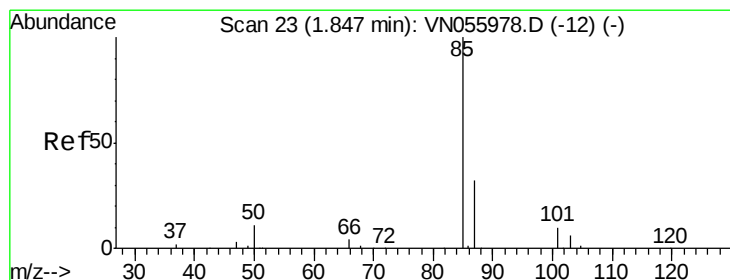
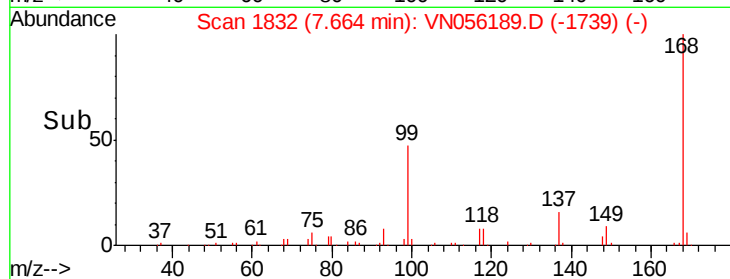
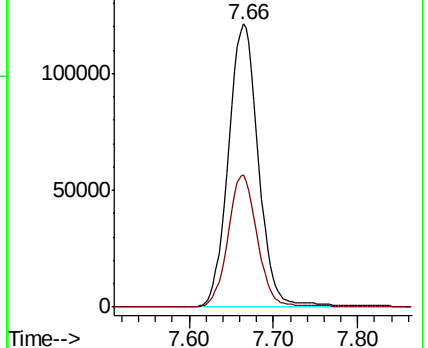
168 100

99 46.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.392 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056189.D

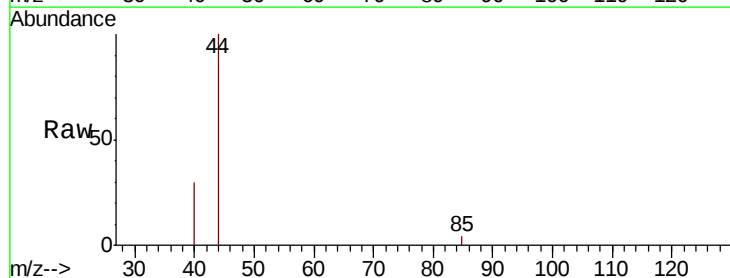
Acq: 11 Jun 2019 00:34

Tgt Ion: 85 Resp: 124

Ion Ratio Lower Upper

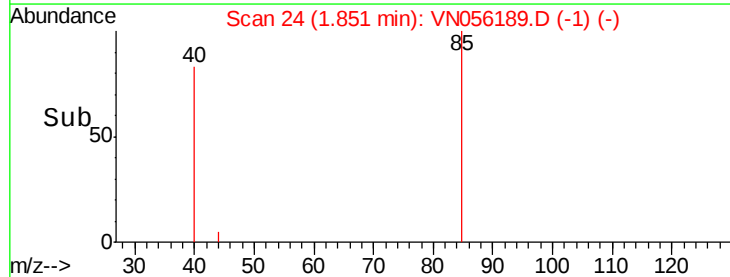
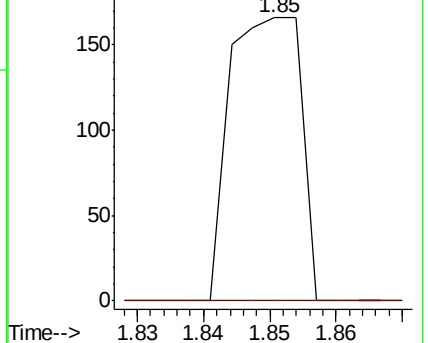
85 100

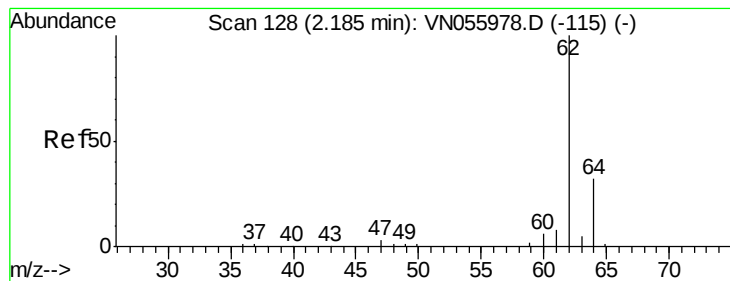
87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#4

Vinyl Chloride

Concen: 19.874 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

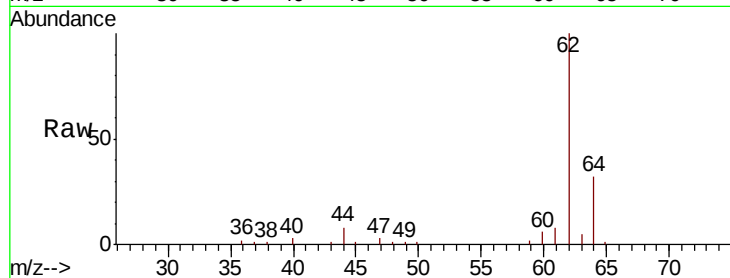
SS043MW100-190604DL

Tot Ion: 62 Resp: 64921

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

40000

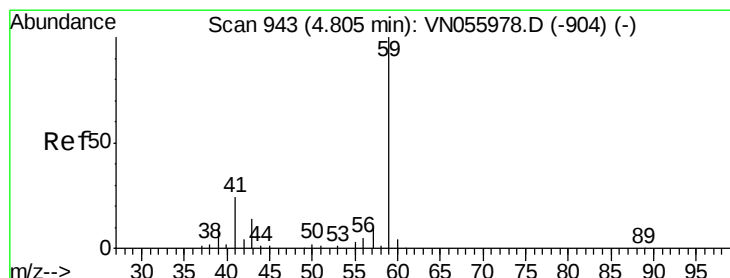
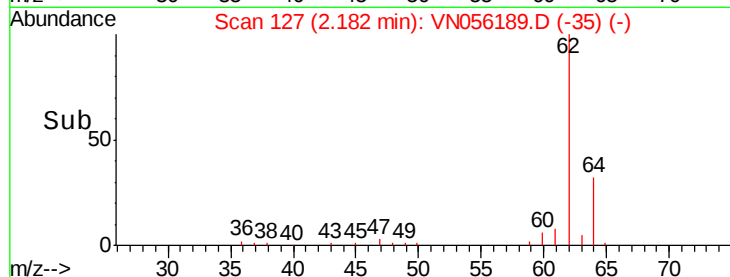
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25



#11

Tert butyl alcohol

Concen: 2.607 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN056189.D

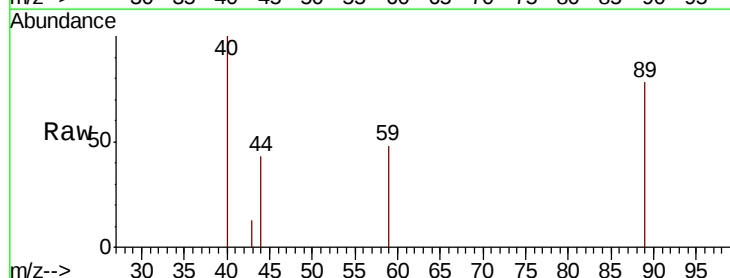
Acq: 11 Jun 2019 00:34

Tgt Ion: 59 Resp: 1353

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

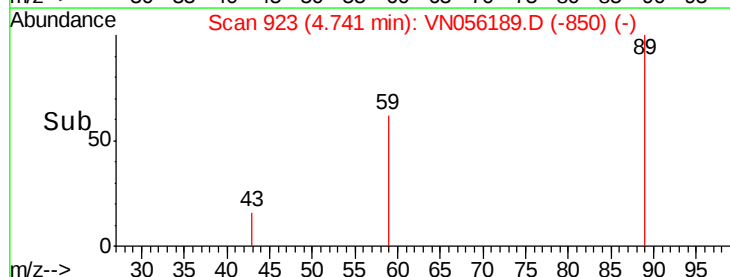
600

400

200

0

Time--> 4.68 4.70 4.72 4.74 4.76





#16

Acetone

Concen: 0.840 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

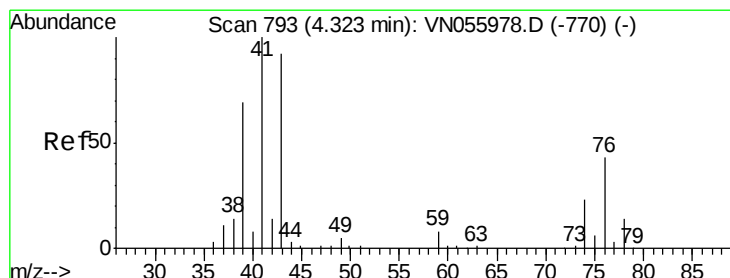
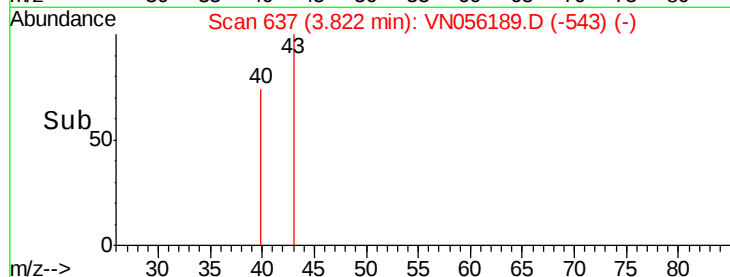
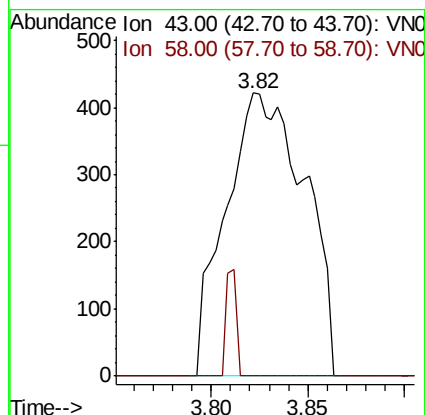
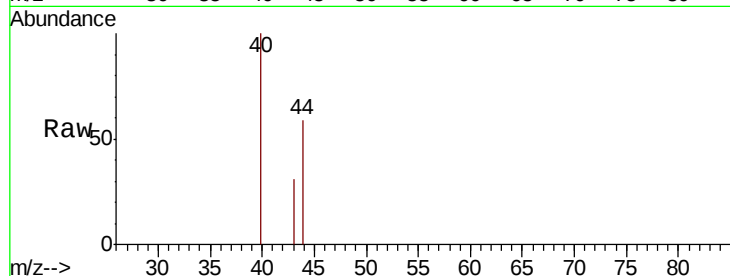
SS043MW100-190604DL

Tot Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: 0.254 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056189.D

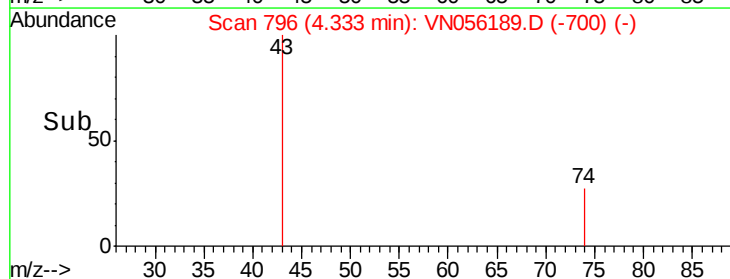
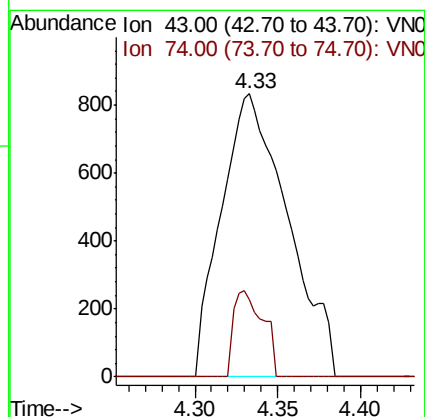
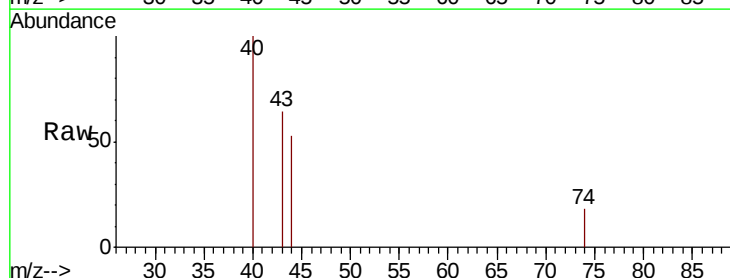
Acq: 11 Jun 2019 00:34

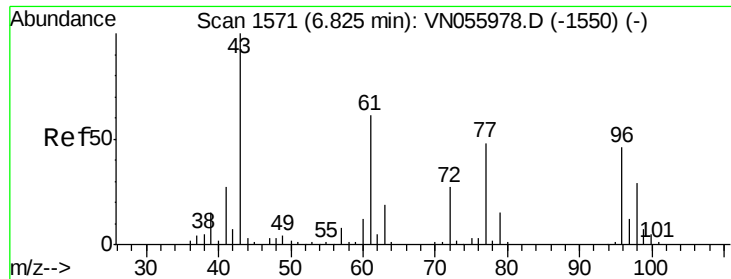
Tgt Ion: 43 Resp: 2324

Ion Ratio Lower Upper

43 100

74 13.4 19.3 28.9#





#27

cis-1,2-Dichloroethene

Concen: 5.941 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

SS043MW100-190604DL

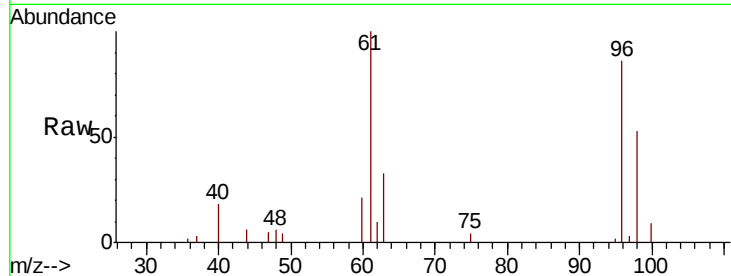
Tot Ion: 96 Resp: 18870

Ion Ratio Lower Upper

96 100

61 118.1 0.0 275.8

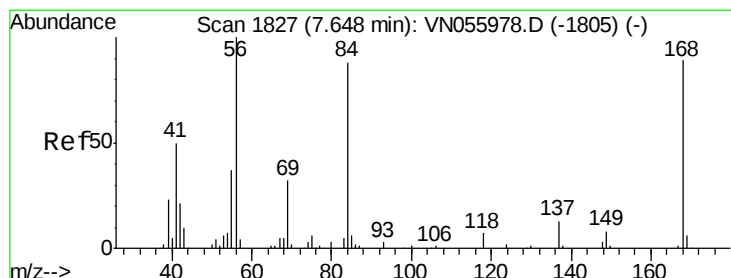
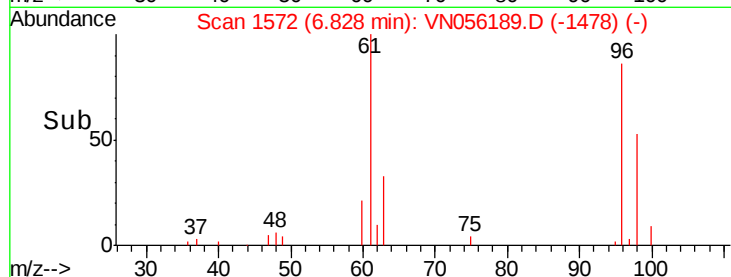
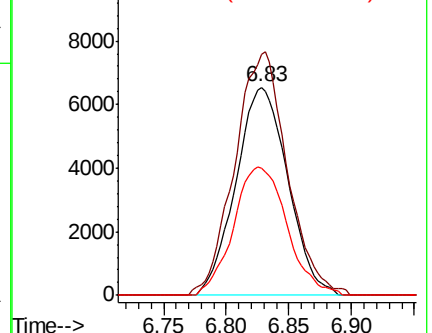
98 63.5 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 0.927 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

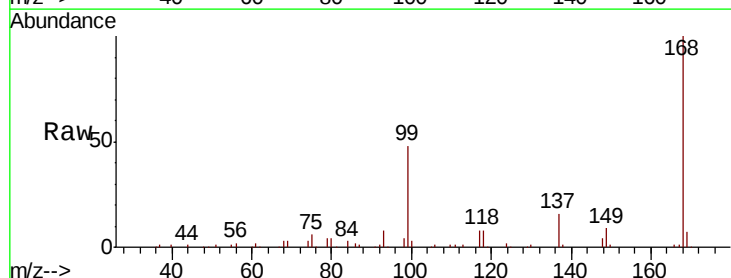
Tgt Ion: 56 Resp: 4387

Ion Ratio Lower Upper

56 100

69 179.3 25.6 38.4#

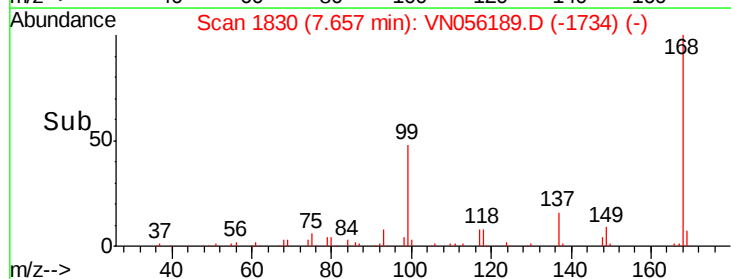
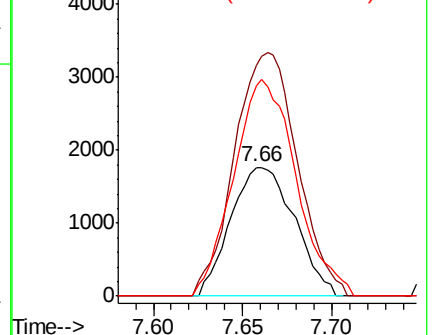
84 163.7 67.4 101.0#

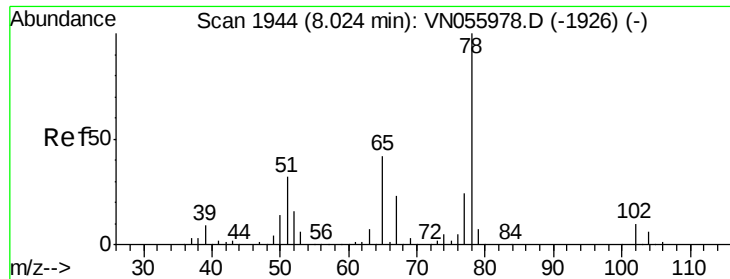


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 54.610 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

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Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

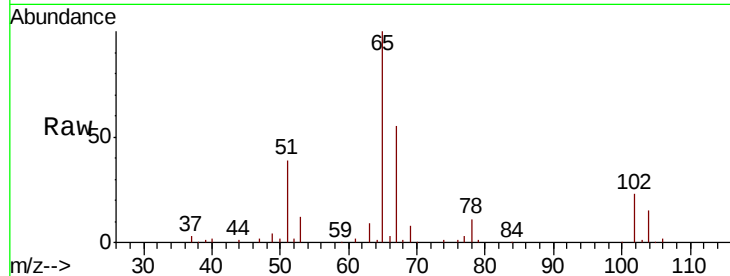
SS043MW100-190604DL

Tot Ion: 65 Resp: 162895

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

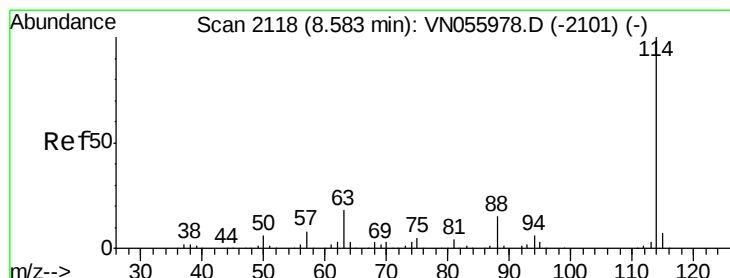
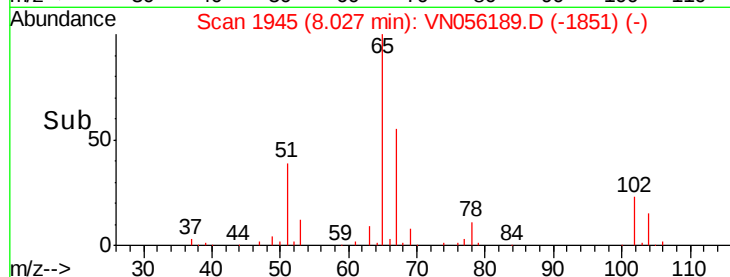
60000

40000

20000

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: VN056189.D

Acq: 11 Jun 2019 00:34

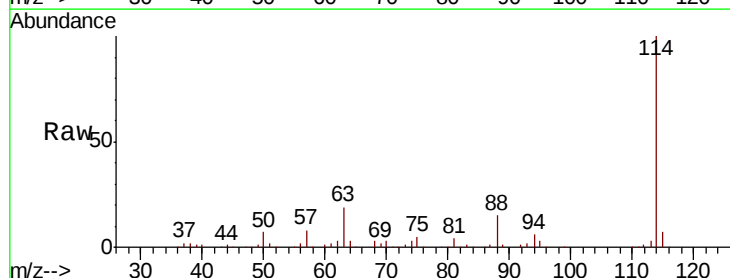
Tgt Ion: 114 Resp: 451788

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

88 15.0 0.0 31.0



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

8.58

250000

200000

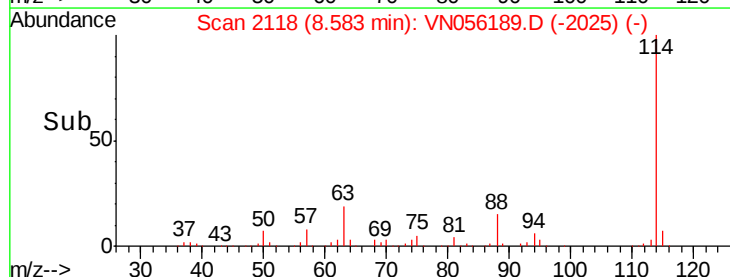
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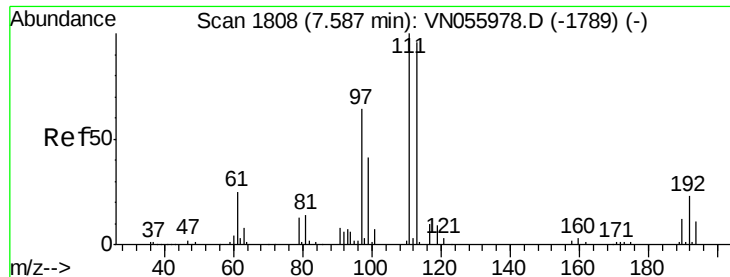
100000

50000

0

Time--> 8.50 8.60 8.70

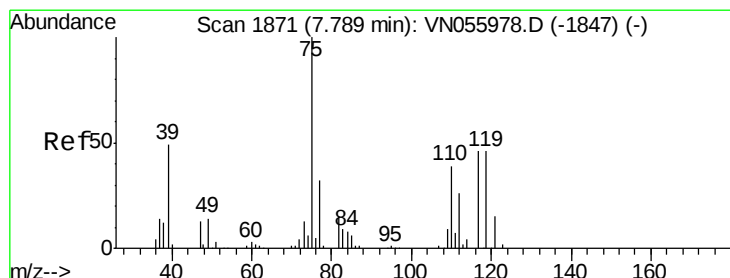
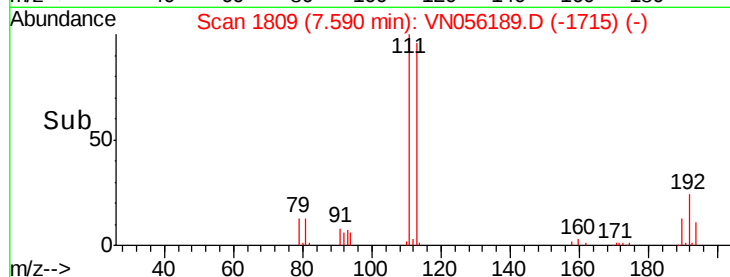
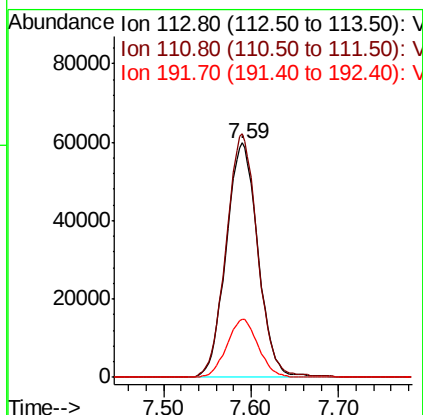
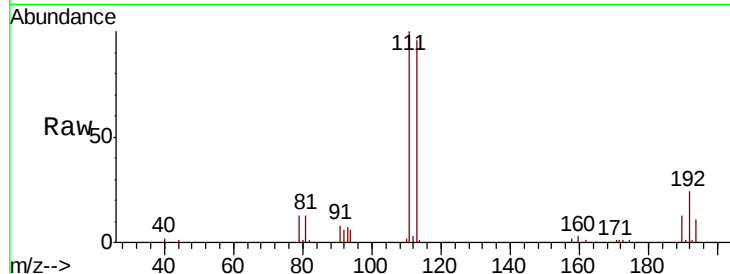




#35  
Dibromofluoromethane  
Concen: 54.512 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

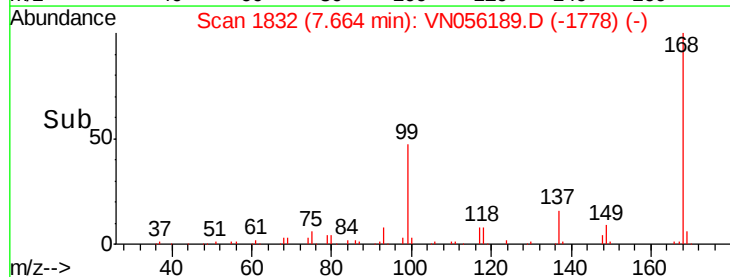
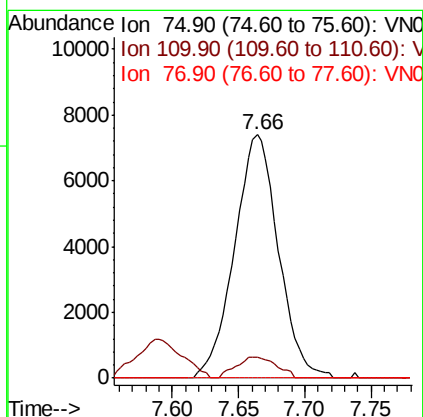
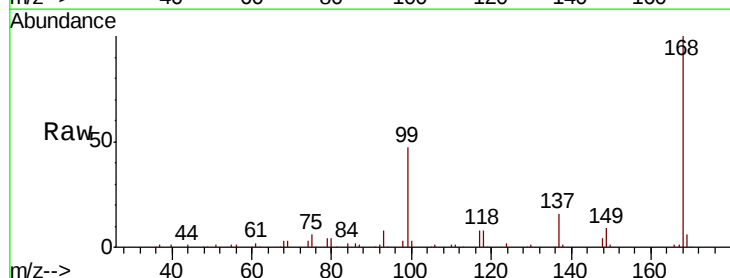
Instrument :  
MSVOA\_N  
ClientSampleId :  
SS043MW100-190604DL

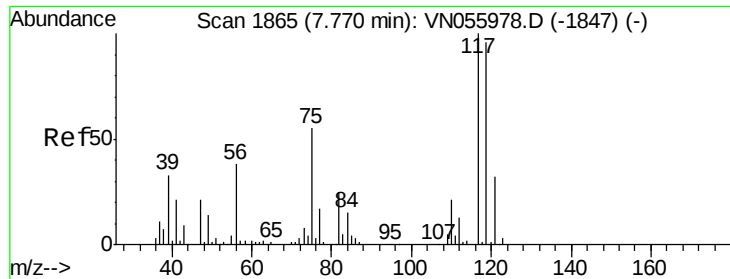
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 81.9  | 122.9 |
| 192     | 24.2  | 19.5  | 29.3  |



#36  
1,1-Dichloropropene  
Concen: 4.388 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. -0.13 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 7.9   | 19.0  | 57.0# |
| 77      | 0.0   | 25.1  | 37.7# |

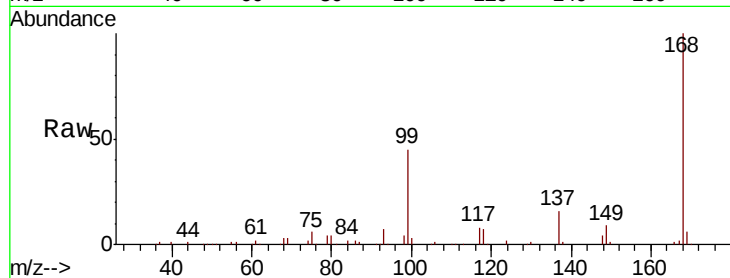




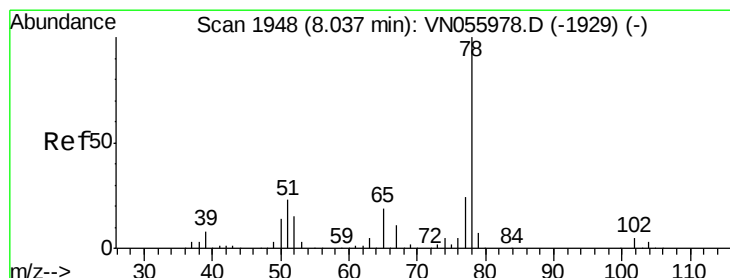
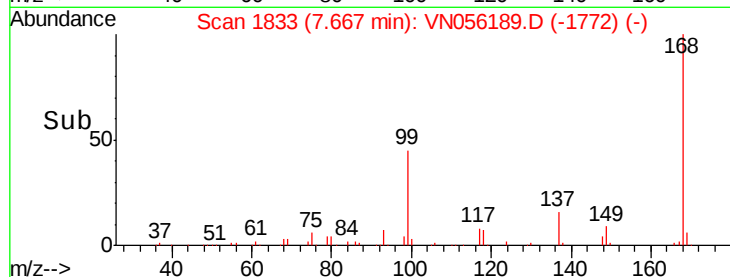
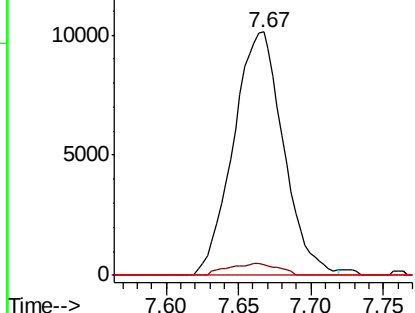
#38  
Carbon Tetrachloride  
Concen: 6.774 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. -0.10 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
SS043MW100-190604DL

Tot Ion:117 Resp: 24260  
Ion Ratio Lower Upper  
117 100  
119 4.5 79.0 118.6#  
121 0.0 24.7 37.1#

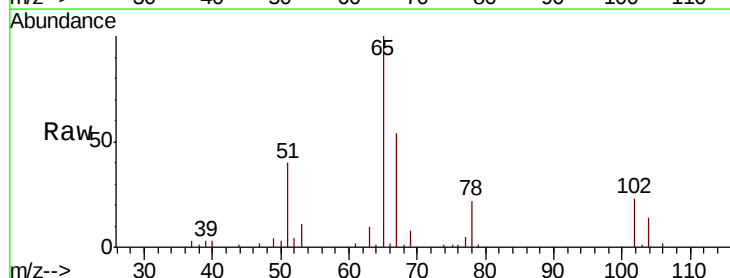


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

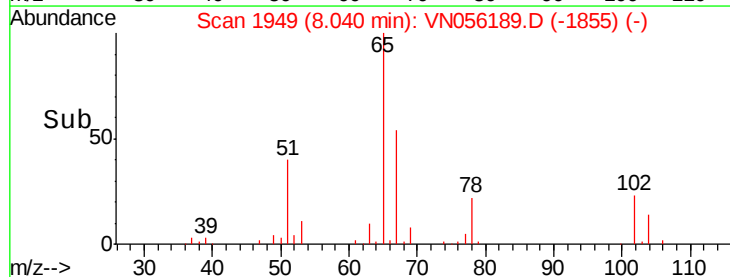
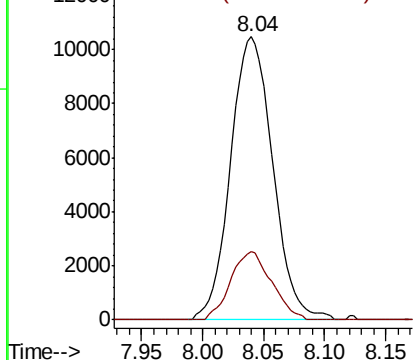


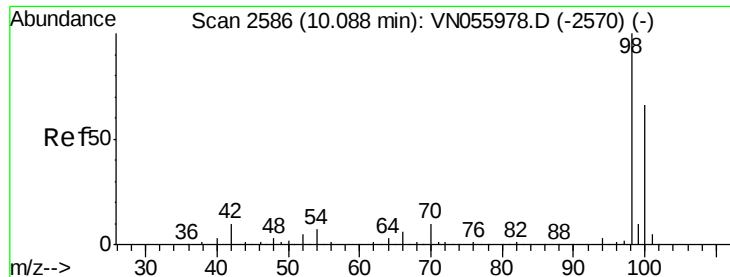
#40  
Benzene  
Concen: 2.134 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

Tgt Ion: 78 Resp: 25179  
Ion Ratio Lower Upper  
78 100  
77 24.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V  
Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 55.231 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

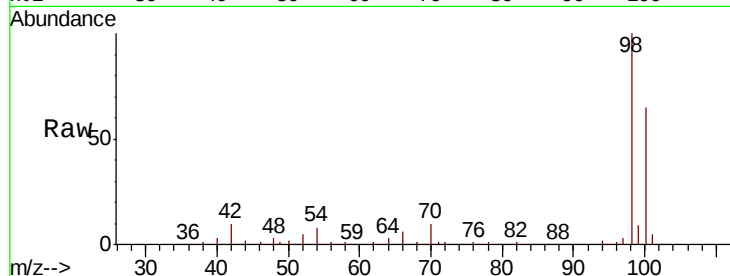
SS043MW100-190604DL

Tot Ion: 98 Resp: 589102

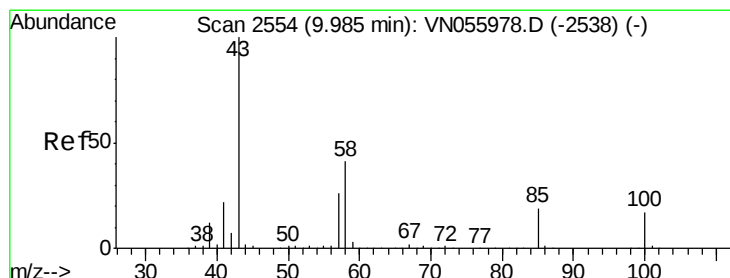
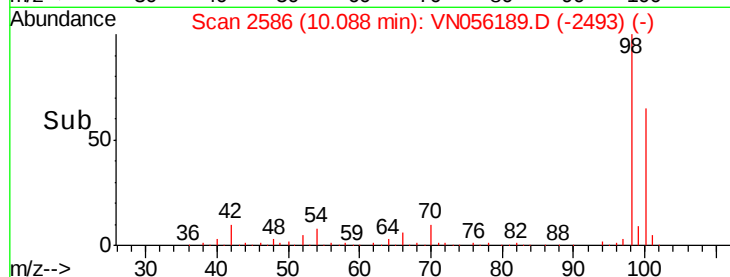
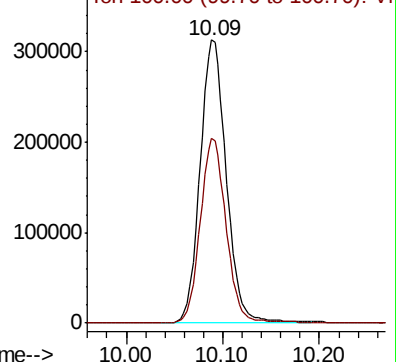
Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.210 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056189.D

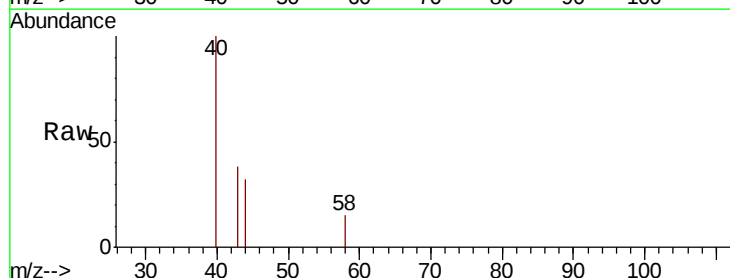
Acq: 11 Jun 2019 00:34

Tgt Ion: 43 Resp: 736

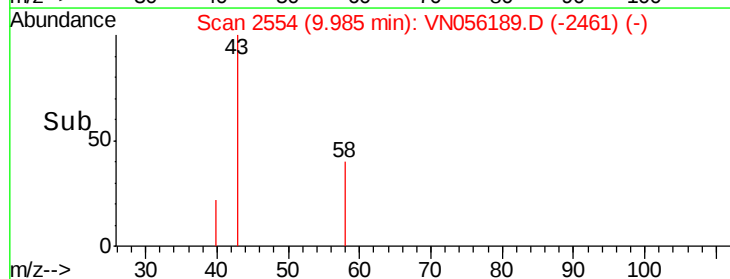
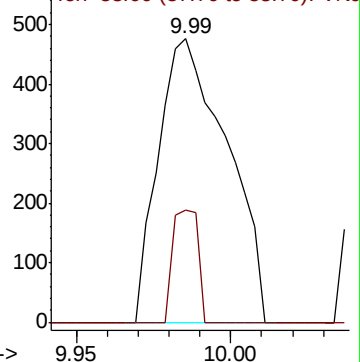
Ion Ratio Lower Upper

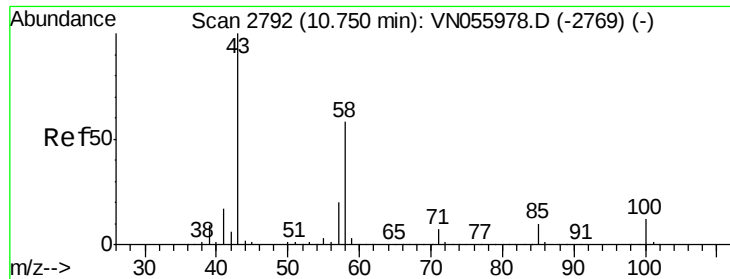
43 100

58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)





#59

2-Hexanone

Concen: 0.510 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

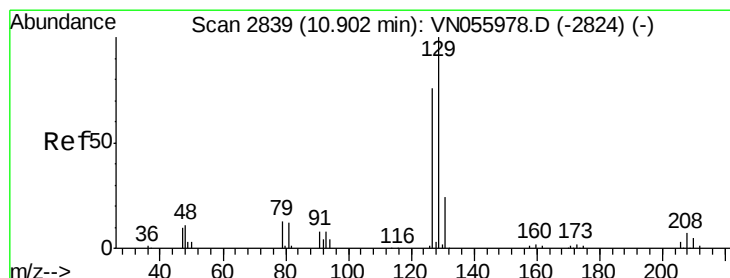
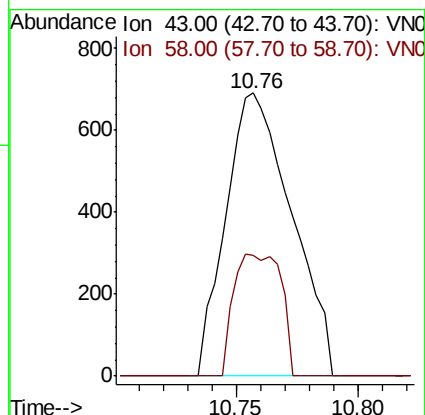
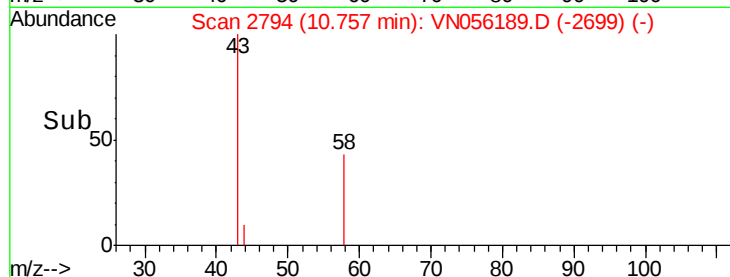
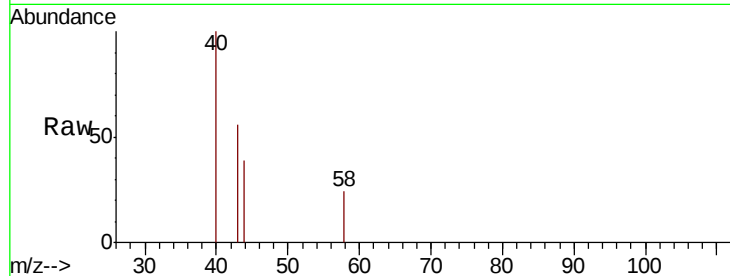
SS043MW100-190604DL

Tot Ion: 43 Resp: 1294

Ion Ratio Lower Upper

43 100

58 30.7 28.2 84.7



#60

Dibromochloromethane

Concen: 2.521 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056189.D

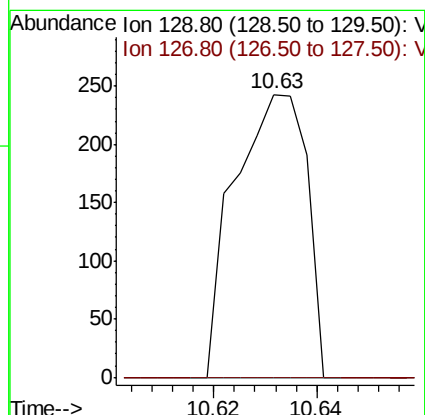
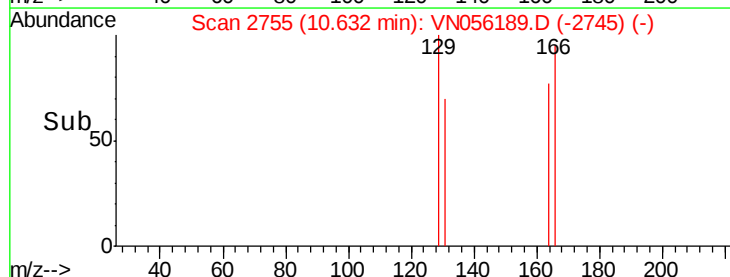
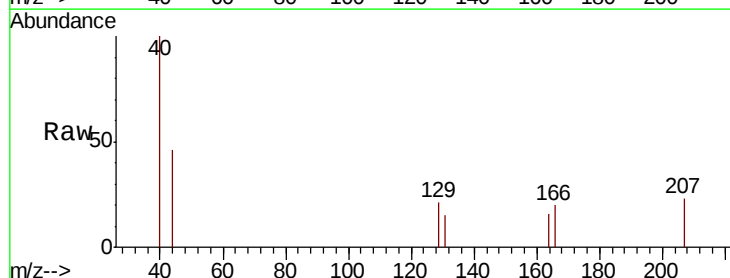
Acq: 11 Jun 2019 00:34

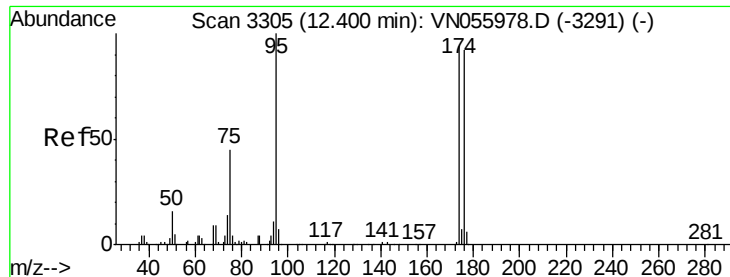
Tgt Ion: 129 Resp: 234

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#





#62

4-Bromofluorobenzene

Concen: 51.323 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

SS043MW100-190604DL

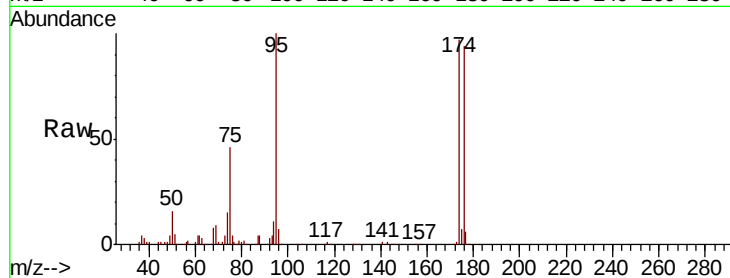
Tot Ion: 95 Resp: 186163

Ion Ratio Lower Upper

95 100

174 96.5 0.0 191.0

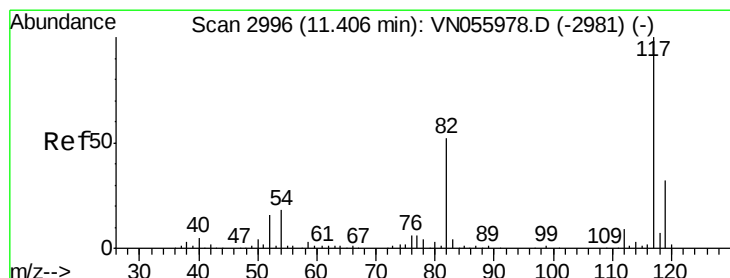
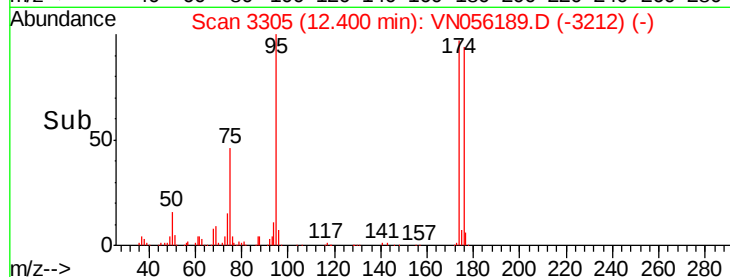
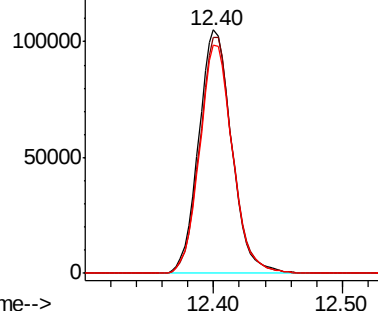
176 93.7 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

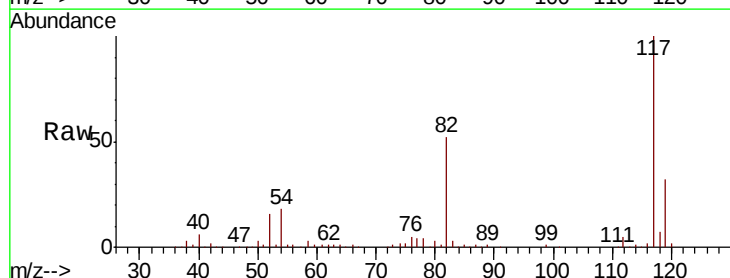
Tgt Ion: 117 Resp: 439639

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.8

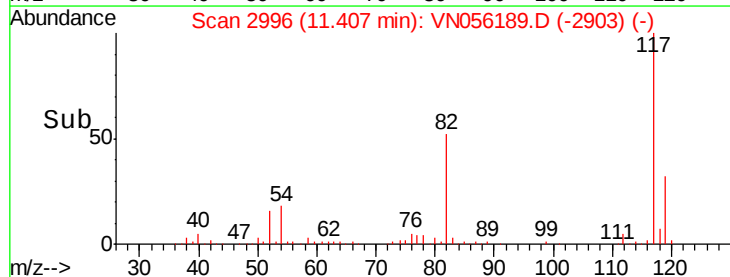
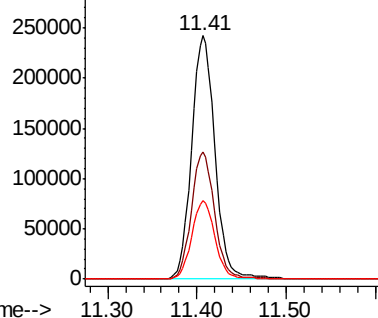
119 32.0 25.4 38.0

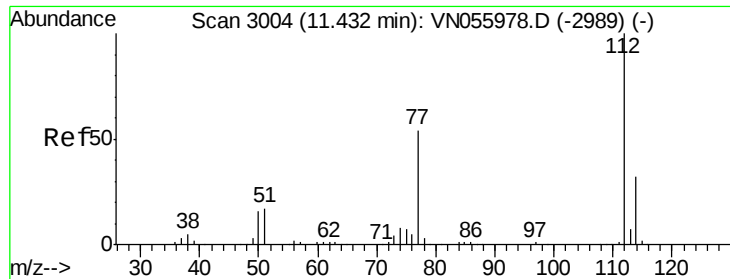


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

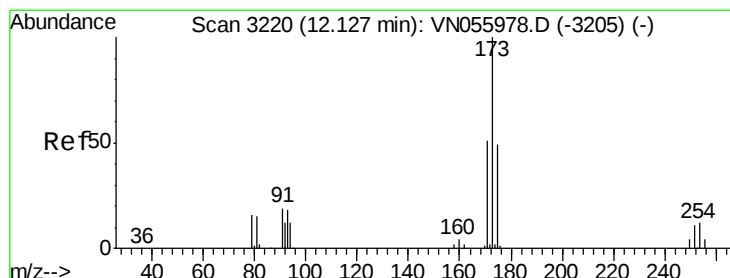
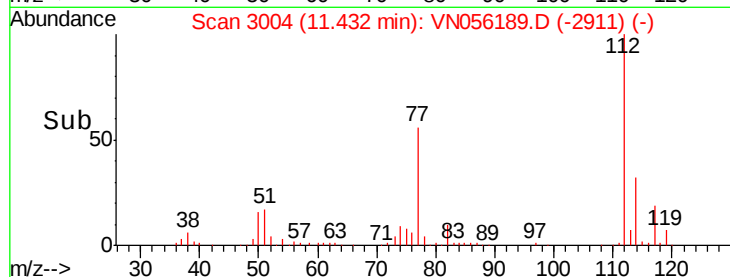
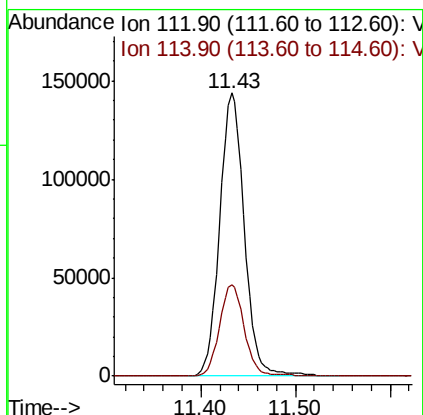
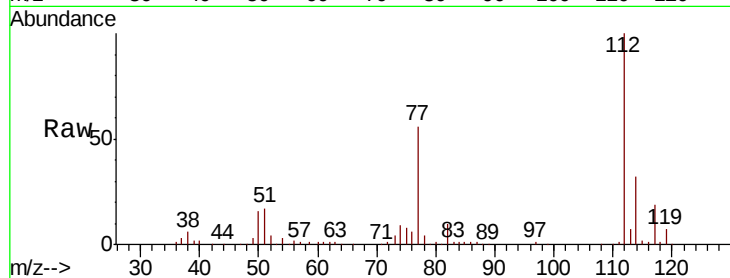




#65  
Chlorobenzene  
Concen: 29.725 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

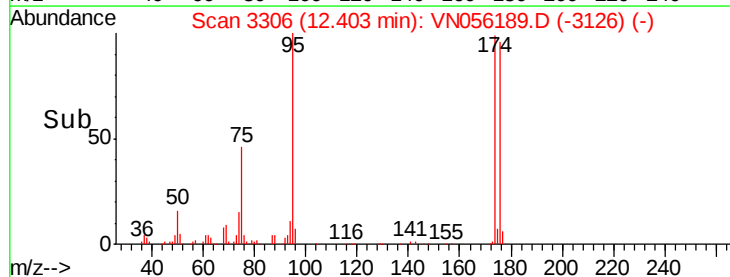
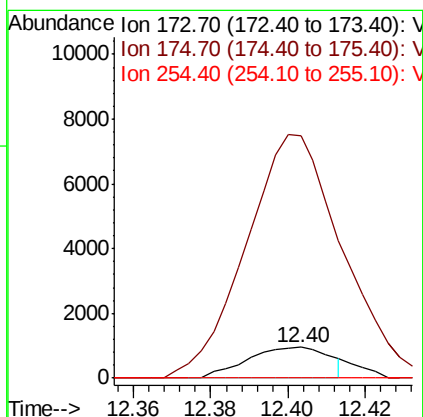
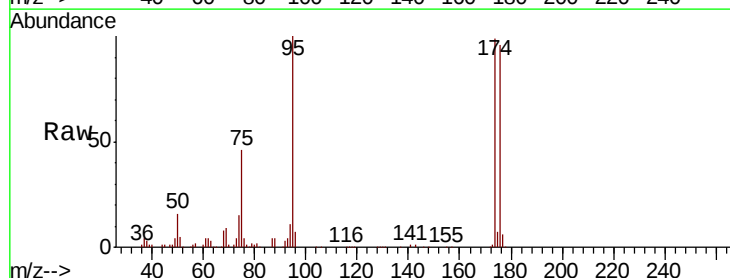
Instrument :  
MSVOA\_N  
ClientSampleId :  
SS043MW100-190604DL

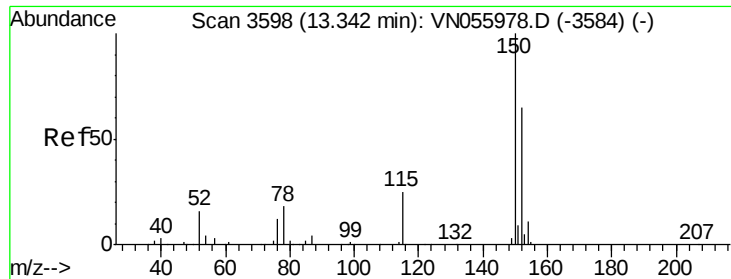
Tot Ion:112 Resp: 260081  
Ion Ratio Lower Upper  
112 100  
114 32.4 26.2 39.4



#71  
Bromoform  
Concen: 3.266 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

Tgt Ion:173 Resp: 1405  
Ion Ratio Lower Upper  
173 100  
175 787.5 24.3 72.8#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

SS043MW100-190604DL

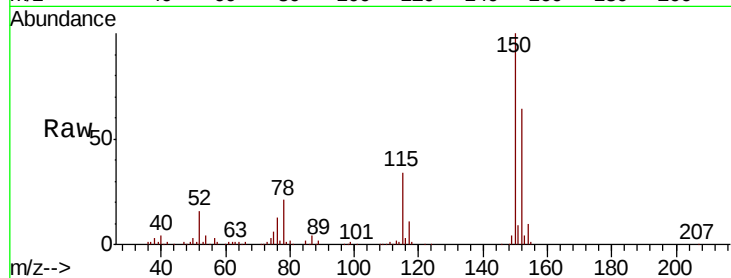
Tot Ion:152 Resp: 135978

Ion Ratio Lower Upper

152 100

115 52.6 27.0 81.0

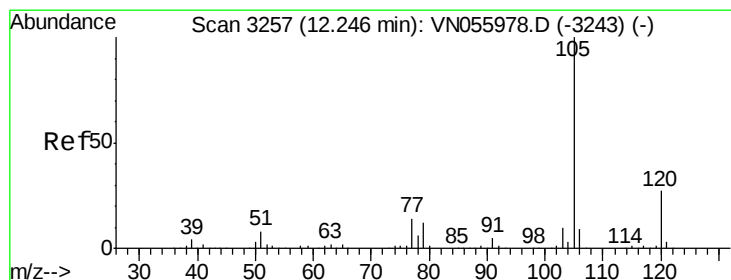
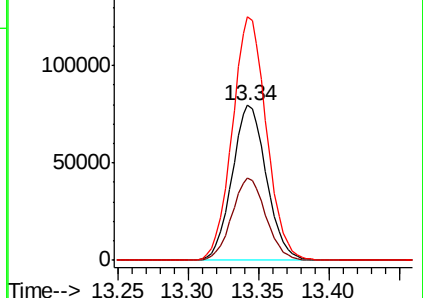
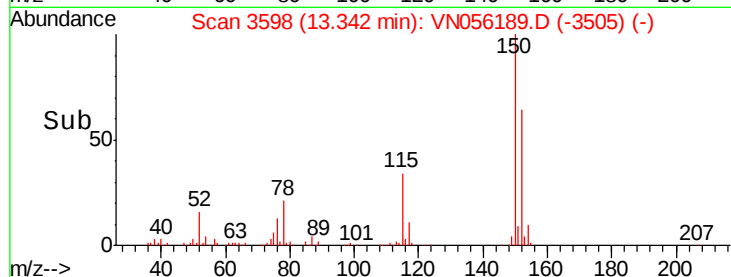
150 155.6 0.0 343.2



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056189.D

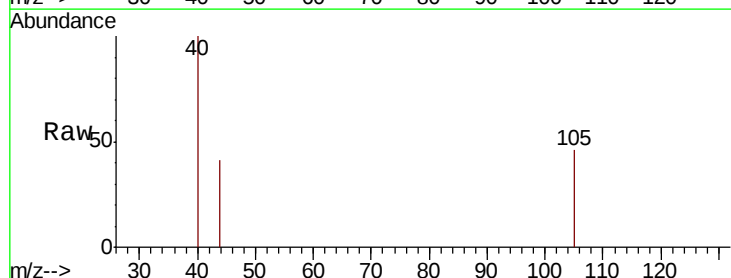
Acq: 11 Jun 2019 00:34

Tgt Ion:105 Resp: 968

Ion Ratio Lower Upper

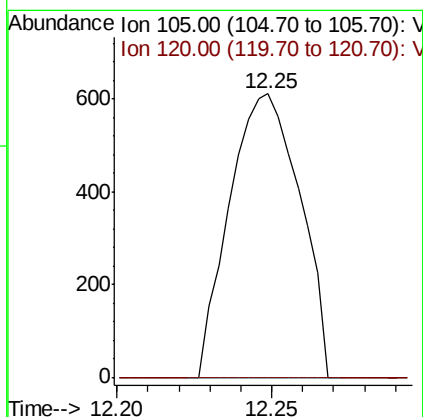
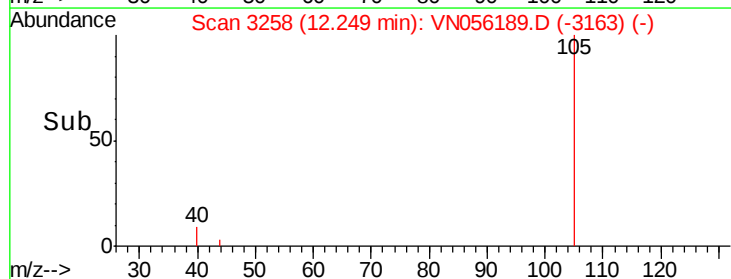
105 100

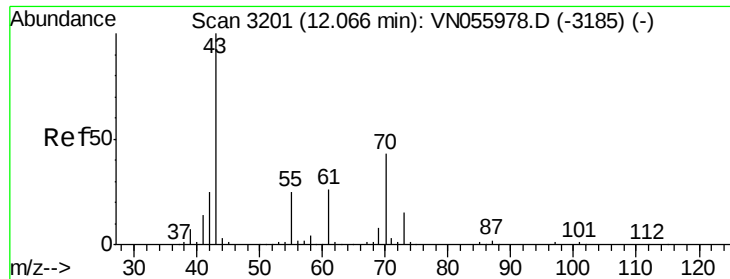
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.205 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

SS043MW100-190604DL

Tot Ion: 43 Resp: 743

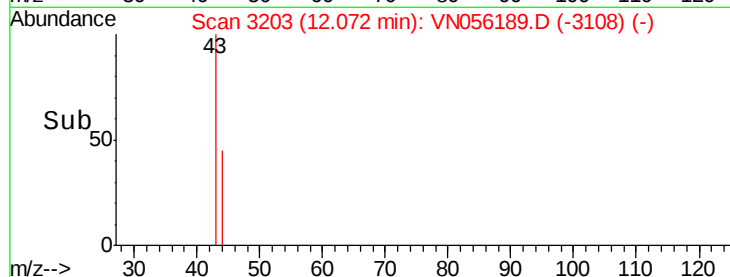
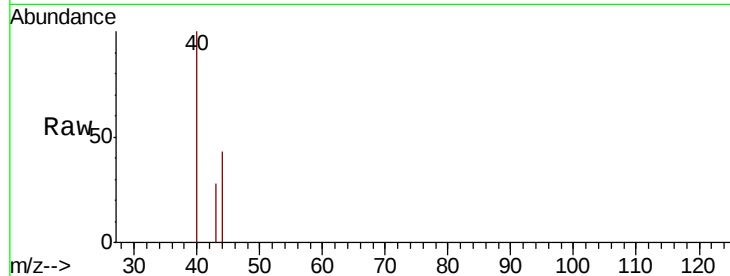
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

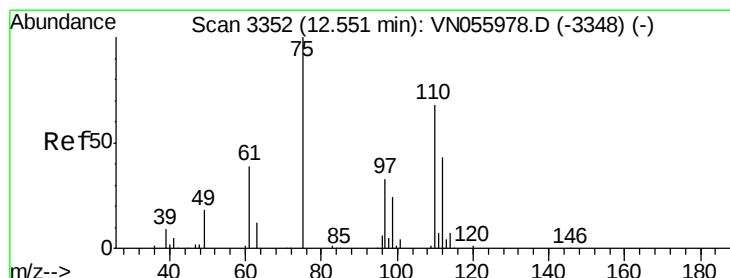
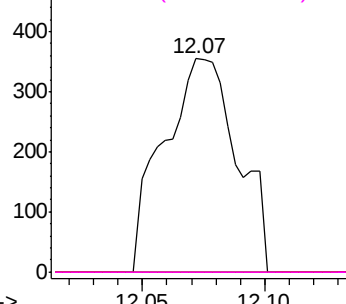


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 34.162 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056189.D

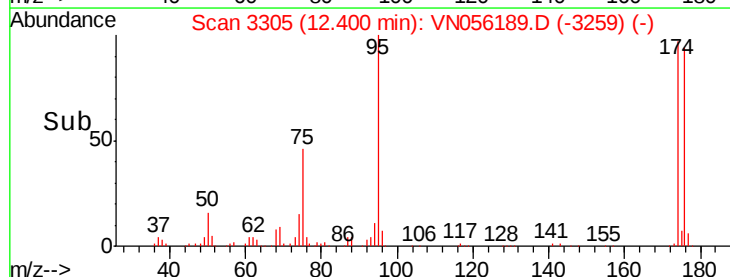
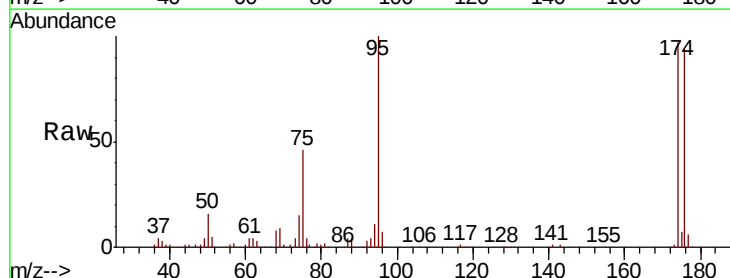
Acq: 11 Jun 2019 00:34

Tgt Ion: 75 Resp: 85475

Ion Ratio Lower Upper

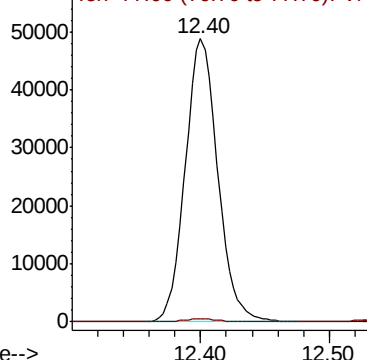
75 100

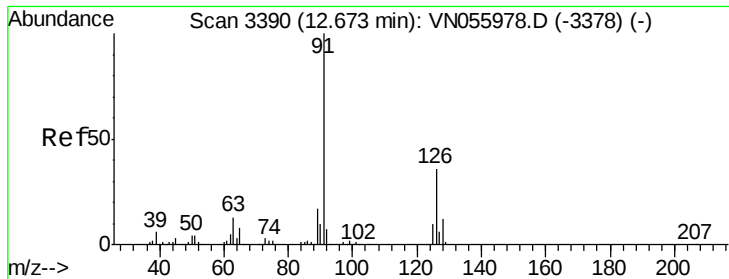
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

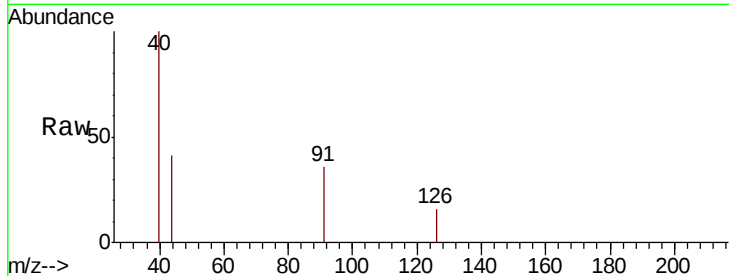
SS043MW100-190604DL

Tot Ion: 91 Resp: 729

Ion Ratio Lower Upper

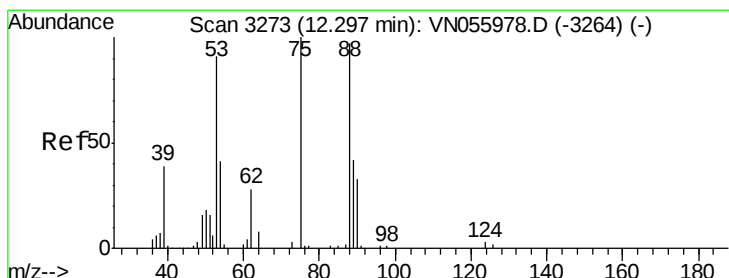
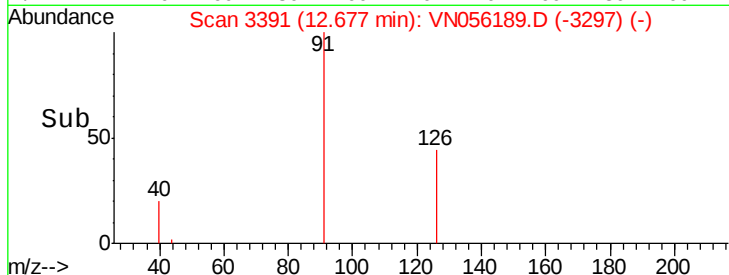
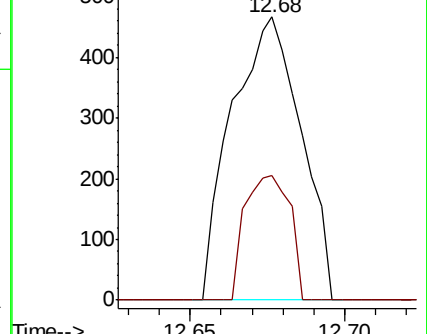
91 100

126 28.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 113.766 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

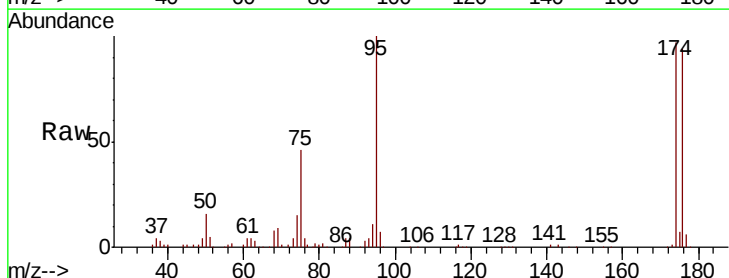
Tgt Ion: 75 Resp: 85475

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

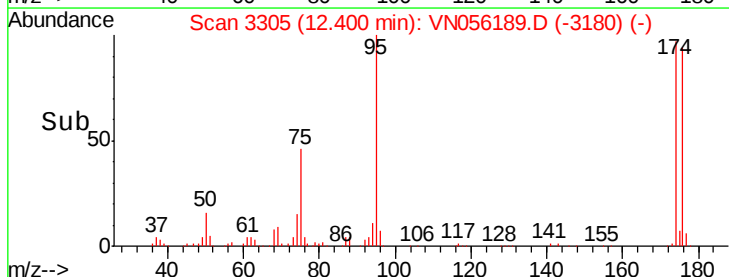
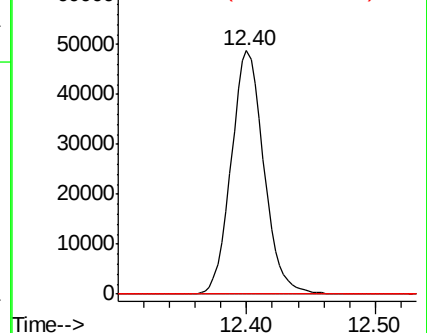
89 0.0 36.9 55.3#

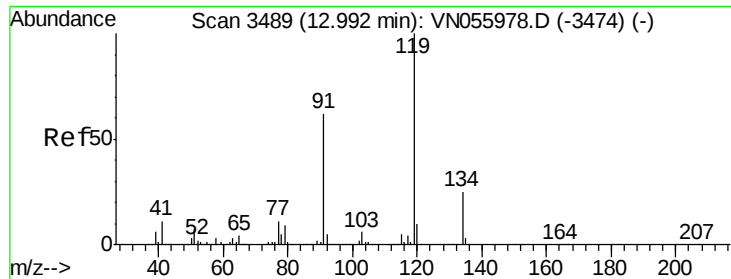


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

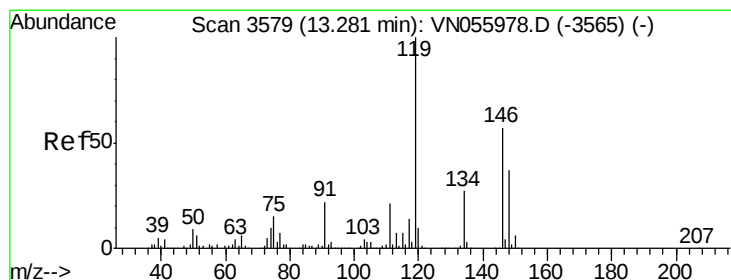
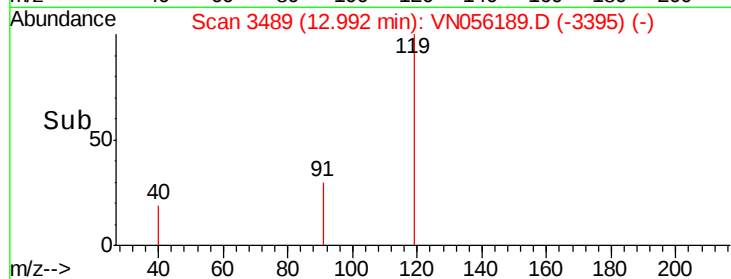
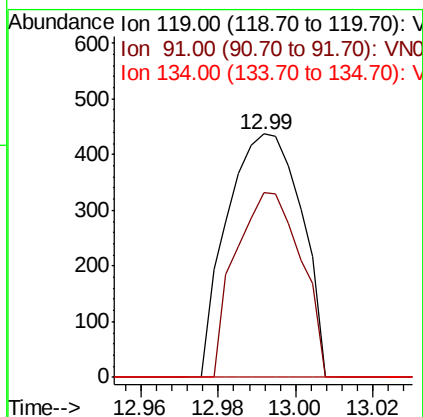
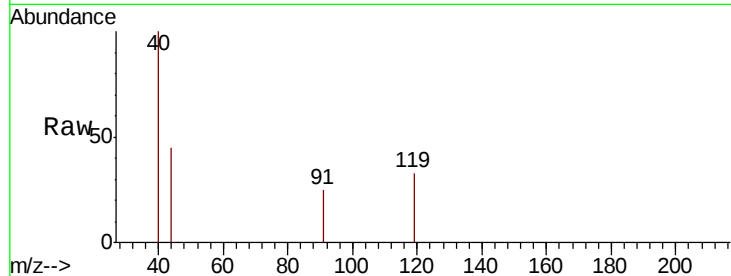




#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

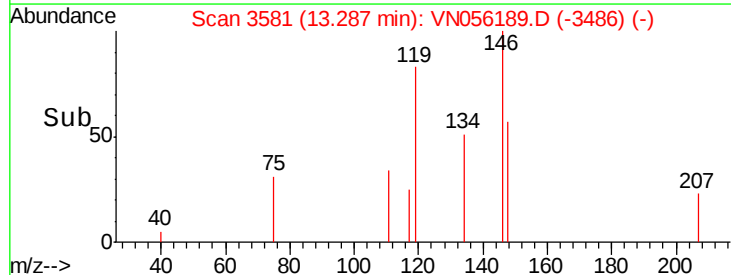
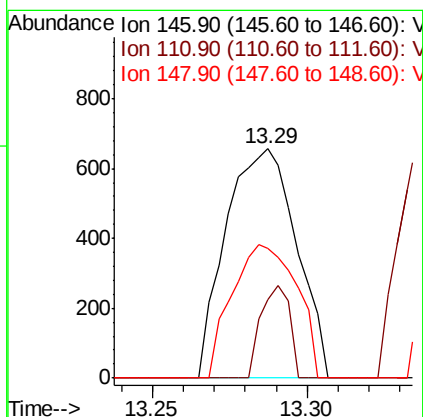
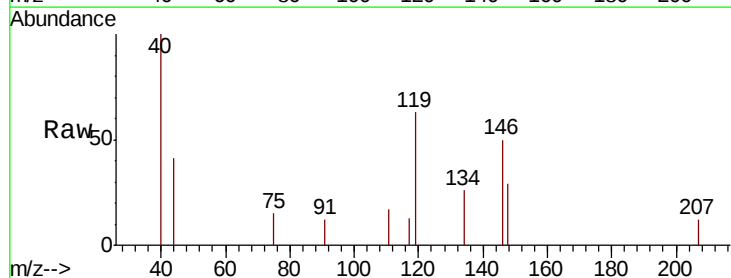
Instrument :  
MSVOA\_N  
ClientSampleId :  
SS043MW100-190604DL

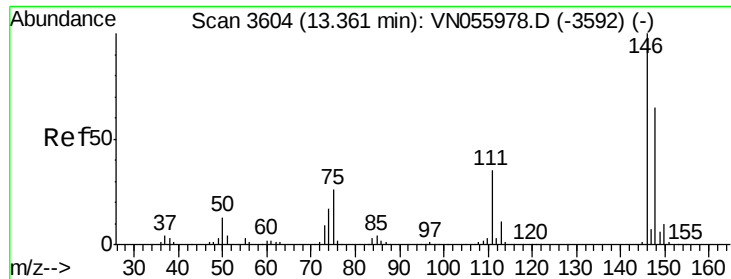
Tot Ion:119 Resp: 583  
Ion Ratio Lower Upper  
119 100  
91 66.9 30.9 92.8  
134 0.0 13.3 39.8#



#87  
1,3-Dichlorobenzene  
Concen: 0.230 ug/l  
RT: 13.29 min Scan# 3581  
Delta R.T. 0.01 min  
Lab File: VN056189.D  
Acq: 11 Jun 2019 00:34

Tgt Ion:146 Resp: 1037  
Ion Ratio Lower Upper  
146 100  
111 16.4 18.5 55.5#  
148 53.3 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 0.512 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

SS043MW100-190604DL

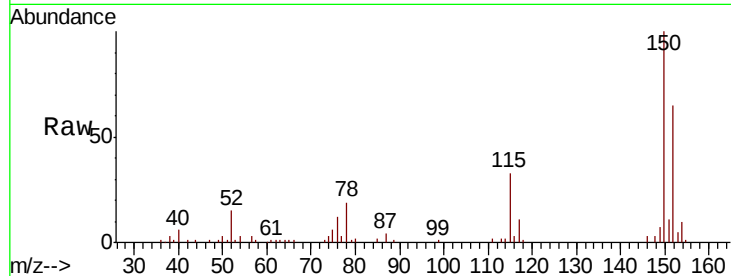
Tot Ion:146 Resp: 2219

Ion Ratio Lower Upper

146 100

111 98.1 18.1 54.4#

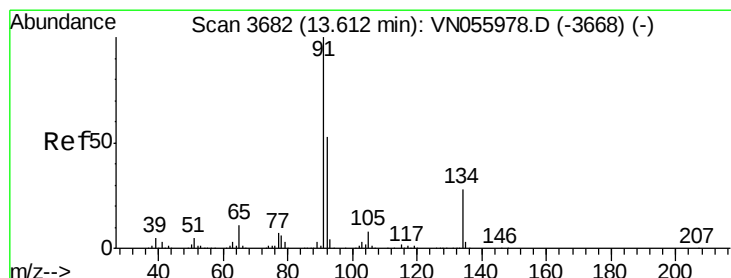
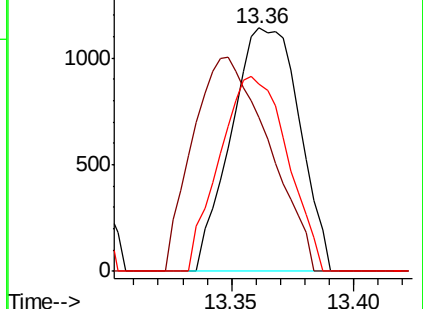
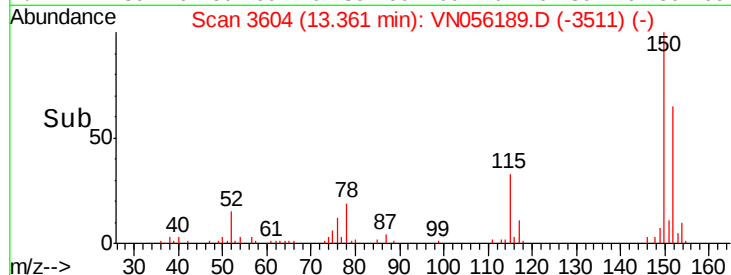
148 79.6 32.1 96.5



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



#89

n-Butylbenzene

Concen: 0.235 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

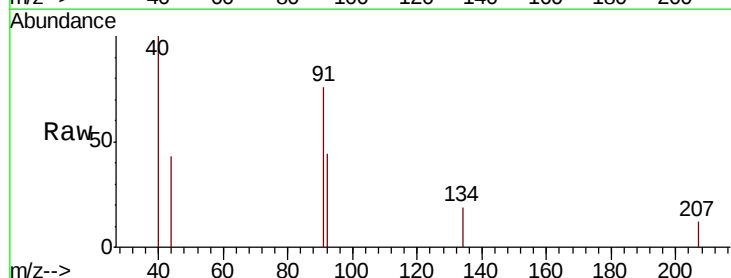
Tgt Ion: 91 Resp: 1585

Ion Ratio Lower Upper

91 100

92 48.9 26.4 79.0

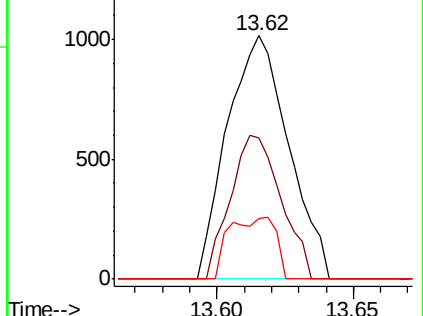
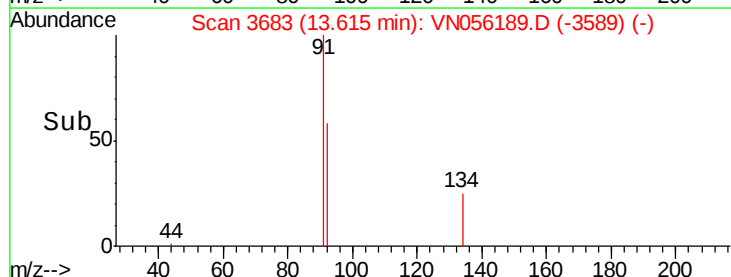
134 19.2 13.9 41.7

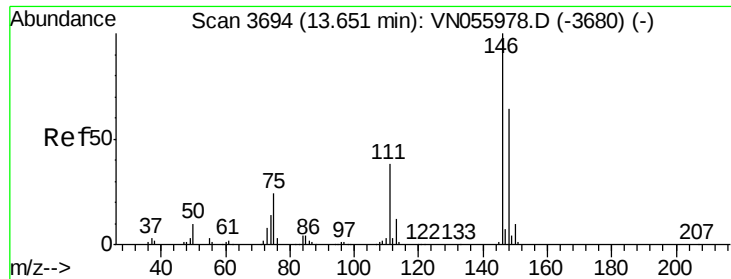


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

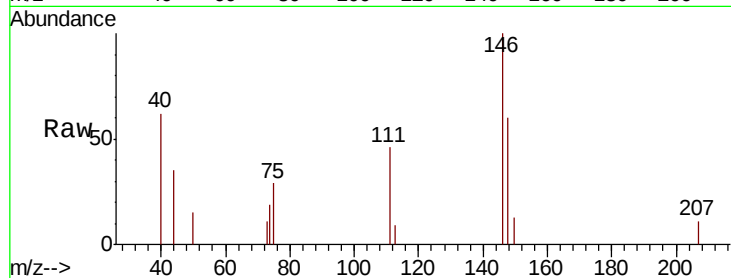




#91  
 1,2-Dichlorobenzene  
 Concen: 0.685 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN056189.D  
 Acq: 11 Jun 2019 00:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS043MW100-190604DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 19.1  | 57.5  |
| 148     | 64.4  | 31.9  | 95.9  |

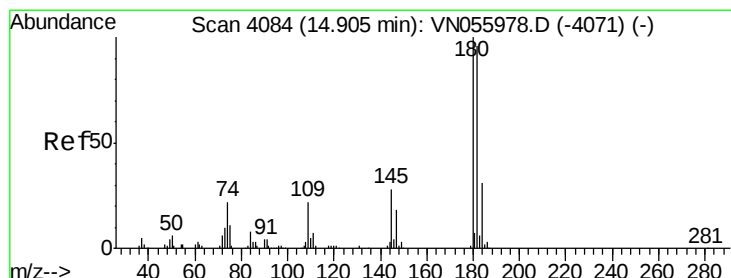
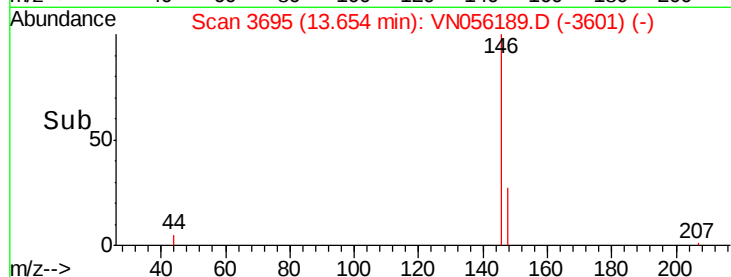
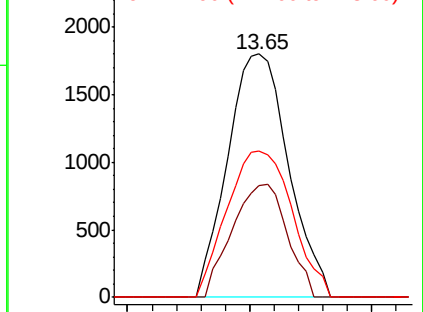


Abundance

Ion 145.90 (145.60 to 146.60): V

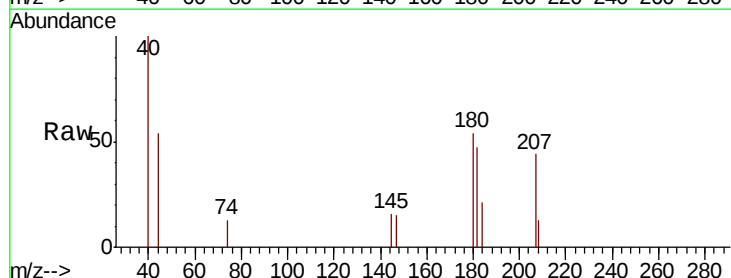
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.672 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056189.D  
 Acq: 11 Jun 2019 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.7  | 48.3  | 144.9 |
| 145     | 18.4  | 14.0  | 41.9  |

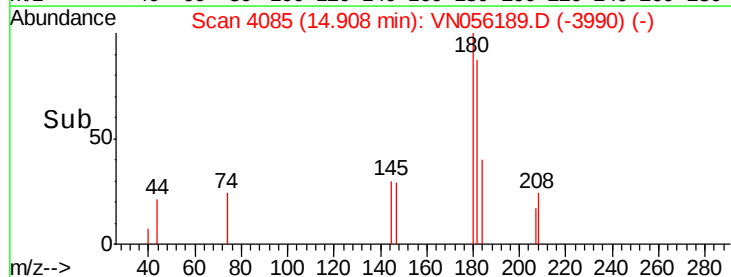
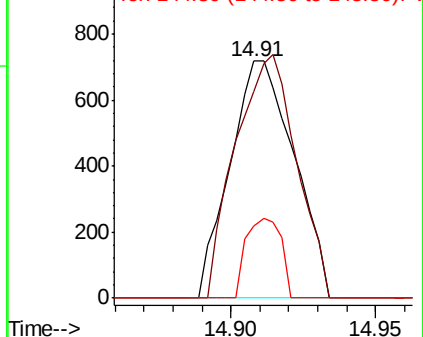


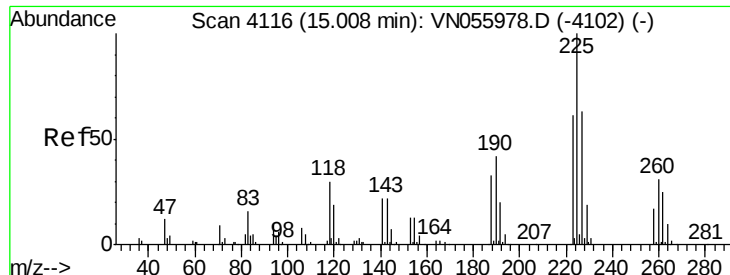
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

Instrument :

MSVOA\_N

ClientSampleId :

SS043MW100-190604DL

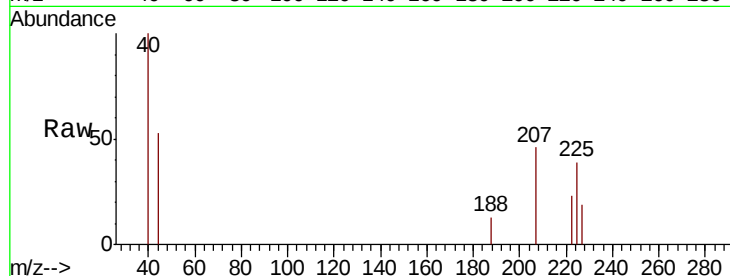
Tot Ion:225 Resp: 507

Ion Ratio Lower Upper

225 100

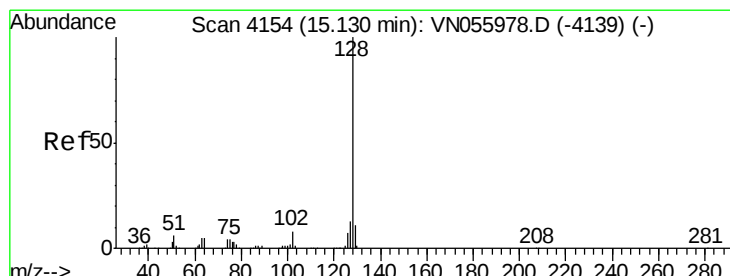
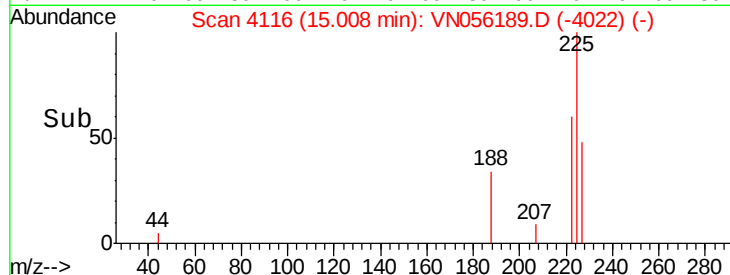
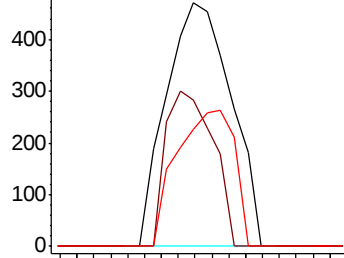
223 46.9 30.9 92.7

227 49.5 31.6 94.7



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

15.01



#95

Naphthalene

Concen: 4.372 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056189.D

Acq: 11 Jun 2019 00:34

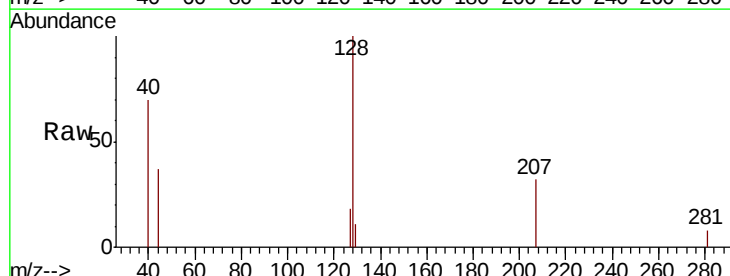
Tgt Ion:128 Resp: 3670

Ion Ratio Lower Upper

128 100

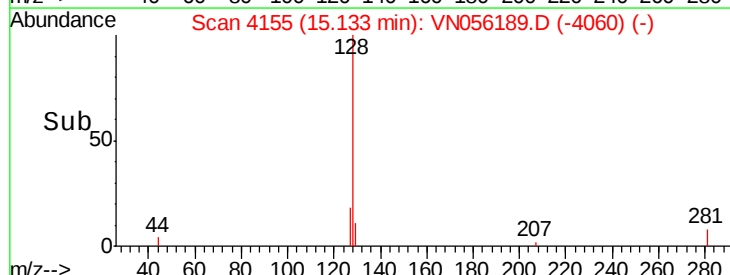
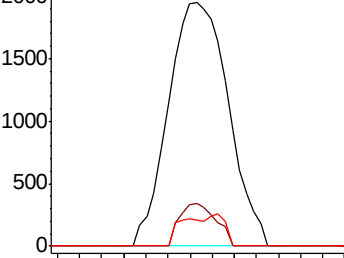
127 10.7 10.3 15.5

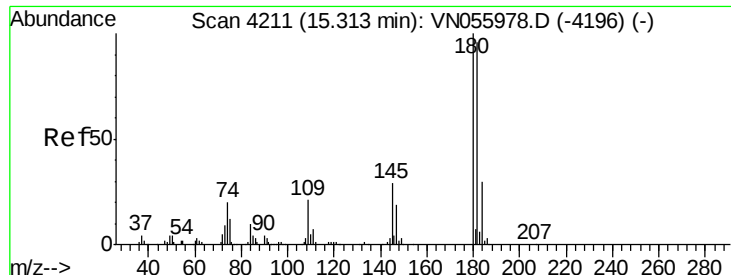
129 9.0 8.7 13.1



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

15.13





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.547 ug/l  
 RT: 15.31 min Scan# 4211  
 Delta R.T. 0.00 min  
 Lab File: VN056189.D  
 Acq: 11 Jun 2019 00:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SS043MW100-190604DL

Tot Ion:180 Resp: 1404  
 Ion Ratio Lower Upper  
 180 100  
 182 108.8 47.9 143.7  
 145 17.0 14.9 44.7

