

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\  
 Data File : VX009489.D  
 Acq On : 10 May 2019 18:29  
 Operator : JC/SP  
 Sample : K2748-03DL 4X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-8DL

Quant Time: May 11 03:30:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 183070   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 289896   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 257444   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 115288   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 118869   | 47.56 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.12% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 88611    | 48.62 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.24% |          |
| 50) Toluene-d8              | 8.71  | 98   | 367543   | 49.95 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.90% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 124399   | 46.53 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.06% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 5) Bromomethane                | 1.64  | 94   | 296      | 0.220     | ug/l   | 95     |
| 6) Chloroethane                | 1.72  | 64   | 352      | 0.244     | ug/l # | 43     |
| 10) Methyl Iodide              | 2.51  | 142  | 216      | 4.692     | ug/l # | 76     |
| 11) Tert butyl alcohol         | 3.04  | 59   | 72123    | 124.675   | ug/l   | 98     |
| 15) Acrylonitrile              | 3.19  | 53   | 1561     | 1.104     | ug/l # | 35     |
| 16) Acetone                    | 2.44  | 43   | 2288     | 1.705     | ug/l   | 93     |
| 17) Carbon Disulfide           | 2.57  | 76   | 1006     | 0.209     | ug/l # | 68     |
| 19) Methyl tert-butyl Ether    | 3.20  | 73   | 88318    | 13.240    | ug/l   | 97     |
| 20) Methylene Chloride         | 2.85  | 84   | 727      | 0.335     | ug/l # | 74     |
| 22) Diisopropyl ether          | 3.87  | 45   | 4484     | 0.557     | ug/l # | 78     |
| 23) Vinyl Acetate              | 3.85  | 43   | 2559     | 0.371     | ug/l # | 76     |
| 25) 2-Butanone                 | 4.69  | 43   | 488      | 0.234     | ug/l # | 53     |
| 28) Bromochloromethane         | 5.01  | 49   | 70       | Below Cal | #      | 20     |
| 29) Tetrahydrofuran            | 5.13  | 42   | 327      | 0.244     | ug/l # | 78     |
| 31) Cyclohexane                | 5.59  | 56   | 7905     | 2.139     | ug/l   | 86     |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 14065    | 5.221     | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 17136    | 7.001     | ug/l # | 15     |
| 39) Methylcyclohexane          | 7.46  | 83   | 4815     | 1.455     | ug/l   | 92     |
| 40) Benzene                    | 6.15  | 78   | 131774   | 15.805    | ug/l   | 100    |
| 42) 1,2-Dichloroethane         | 6.15  | 62   | 1407     | 0.470     | ug/l # | 75     |
| 43) Isopropyl Acetate          | 6.34  | 43   | 14656    | 2.441     | ug/l # | 65     |
| 52) Toluene                    | 8.78  | 92   | 88434    | 17.449    | ug/l   | 98     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97   | 611      | 0.295     | ug/l # | 15     |
| 67) Ethyl Benzene              | 10.25 | 91   | 374004   | 39.460    | ug/l   | 99     |
| 68) m/p-Xylenes                | 10.36 | 106  | 132510   | 38.258    | ug/l   | 99     |
| 69) o-Xylene                   | 10.69 | 106  | 60881    | 17.815    | ug/l   | 100    |
| 70) Styrene                    | 10.70 | 104  | 3230     | 0.544     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105  | 30209    | 3.603     | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 63084    | 23.589    | ug/l # | 34     |
| 78) n-propylbenzene            | 11.36 | 91   | 78596    | 8.209     | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 18108    | 3.066     | ug/l # | 42     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 44092    | 6.246     | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 63084    | 60.356    | ug/l # | 10     |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 4777     | 0.716     | ug/l # | 46     |

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8DL

Quant Time: May 11 03:30:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

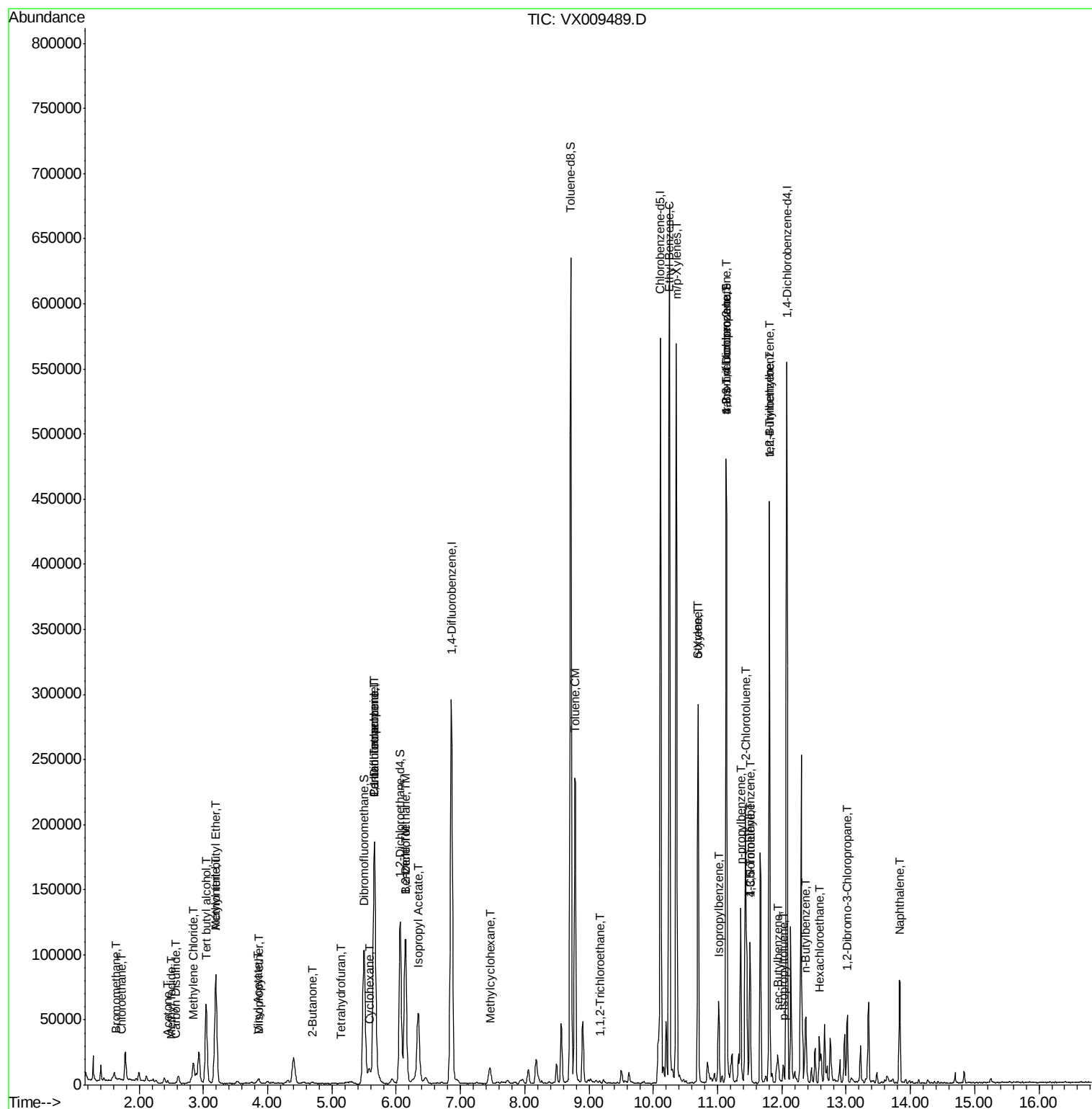
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 83) tert-Butylbenzene          | 11.80 | 119  | 22794    | 3.319  | ug/l # | 65       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 185273   | 26.148 | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 5836     | 0.717  | ug/l   | 85       |
| 86) p-Isopropyltoluene         | 12.02 | 119  | 5326     | 0.728  | ug/l   | 90       |
| 89) n-Butylbenzene             | 12.38 | 91   | 7606     | 1.150  | ug/l # | 28       |
| 90) Hexachloroethane           | 12.58 | 117  | 2274     | 1.824  | ug/l # | 7        |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 233      | 0.332  | ug/l # | 2        |
| 95) Naphthalene                | 13.83 | 128  | 48723    | 5.796  | ug/l   | 98       |

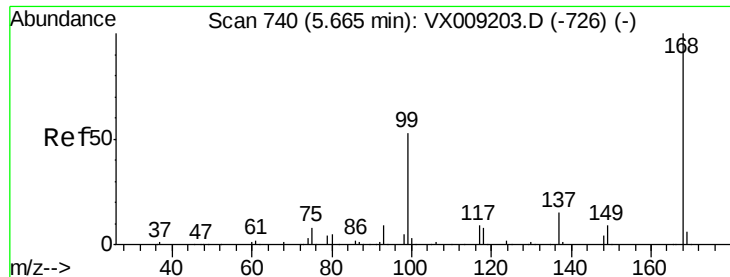
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

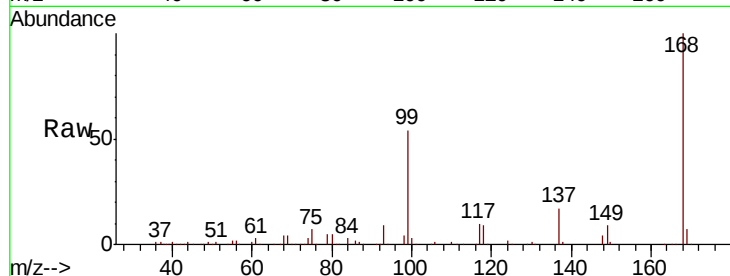
MW-8DL

Tot Ion:168 Resp: 183070

Ion Ratio Lower Upper

168 100

99 54.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

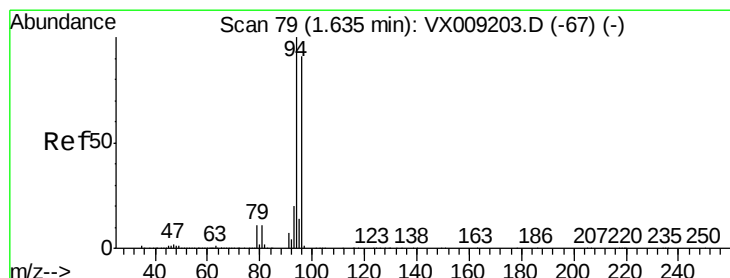
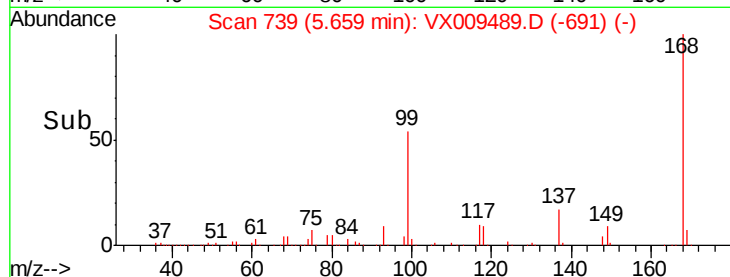
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.220 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009489.D

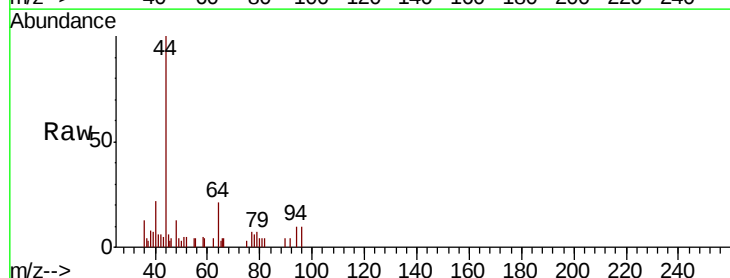
Acq: 10 May 2019 18:29

Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 95.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

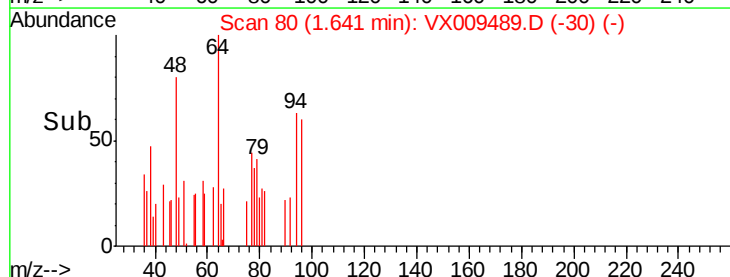
100

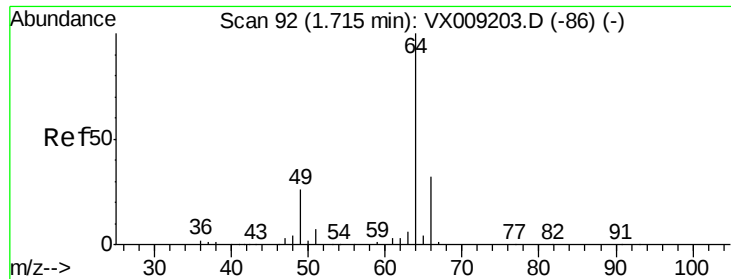
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

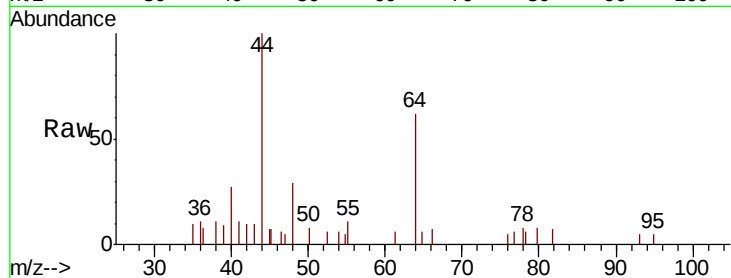
MW-8DL

Tot Ion: 64 Resp: 352

Ion Ratio Lower Upper

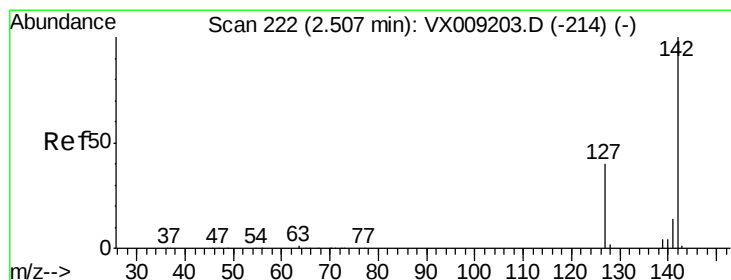
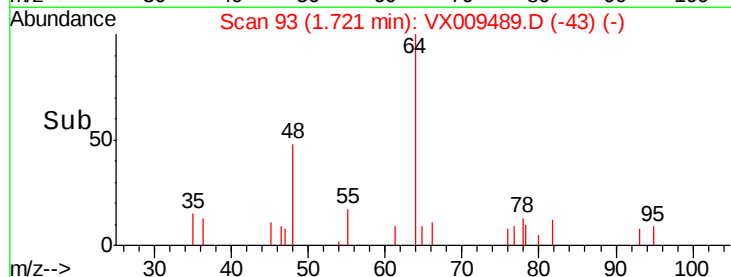
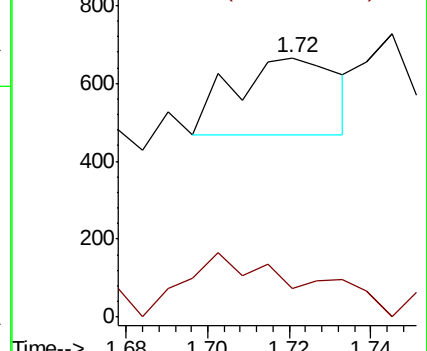
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.692 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

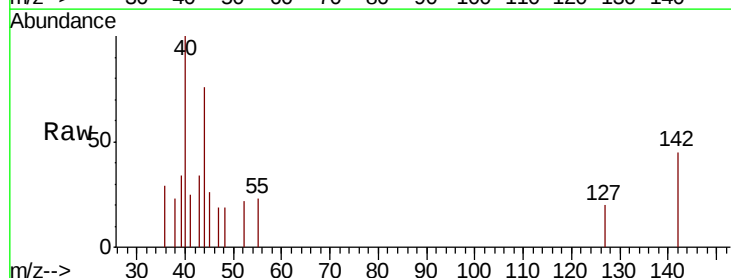
Tgt Ion: 142 Resp: 216

Ion Ratio Lower Upper

142 100

127 28.7 32.7 49.1#

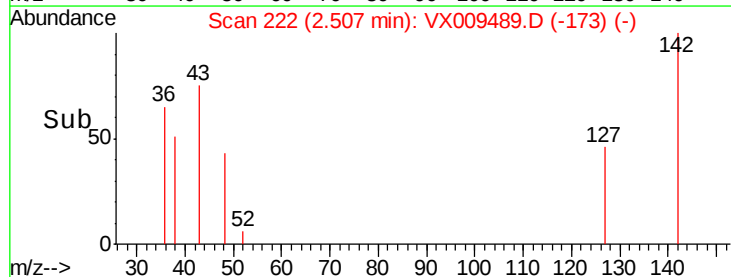
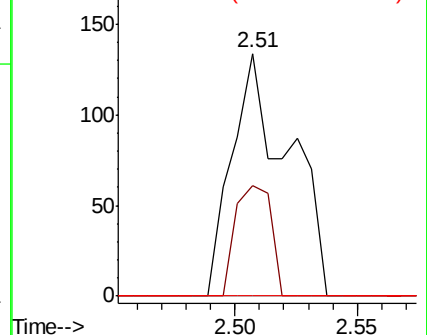
141 0.0 11.5 17.3#

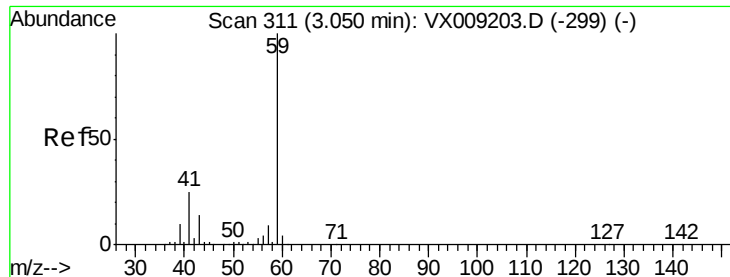


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

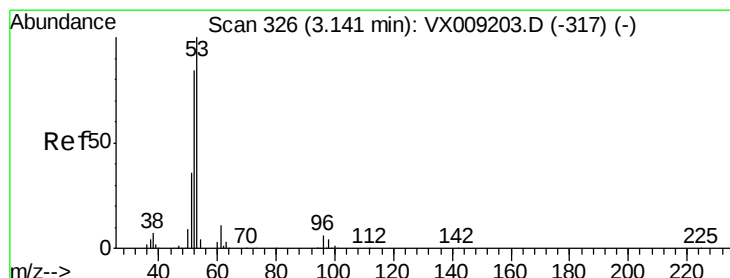
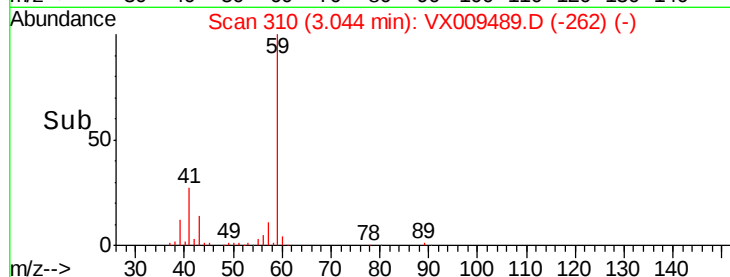
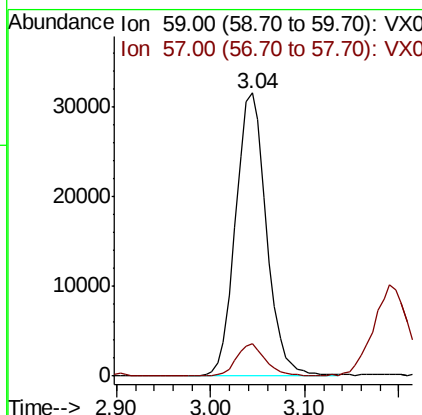
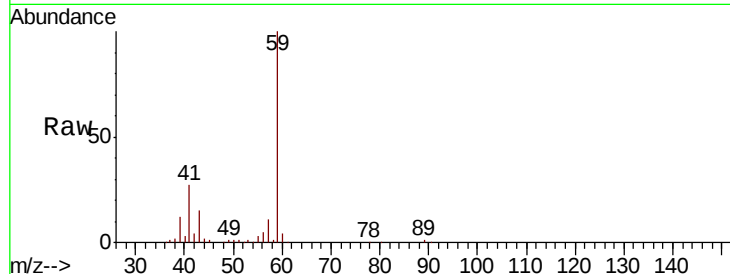




#11  
Tert butyl alcohol  
Concen: 124.675 ug/l  
RT: 3.04 min Scan# 310  
Delta R.T. -0.01 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

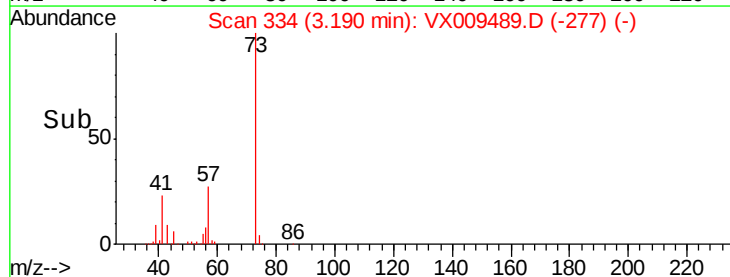
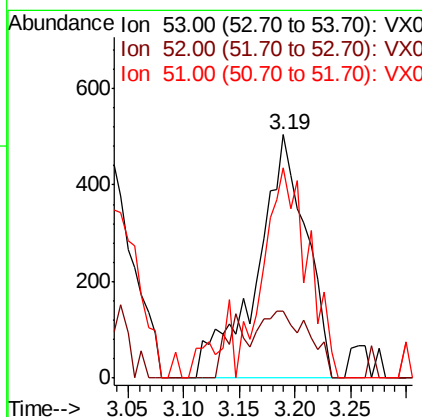
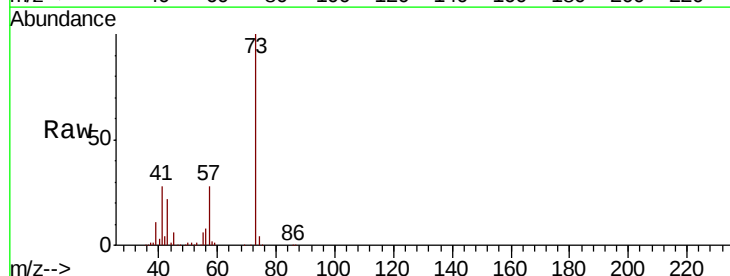
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8DL

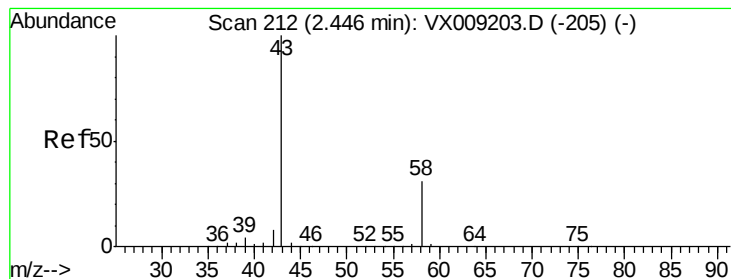
Tot Ion: 59 Resp: 72123  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.2 12.2



#15  
Acrylonitrile  
Concen: 1.104 ug/l  
RT: 3.19 min Scan# 334  
Delta R.T. 0.05 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion: 53 Resp: 1561  
Ion Ratio Lower Upper  
53 100  
52 27.2 66.9 100.3#  
51 77.6 28.2 42.2#





#16

Acetone

Concen: 1.705 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

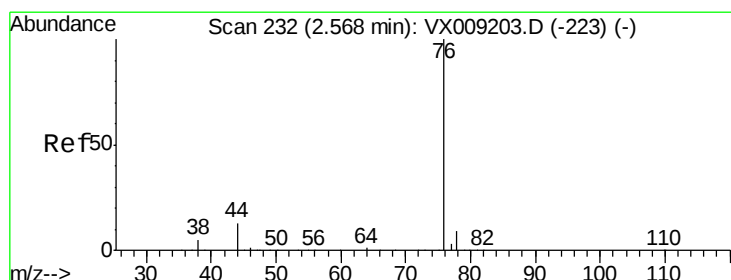
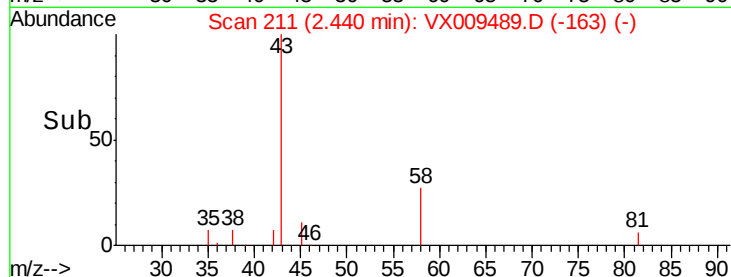
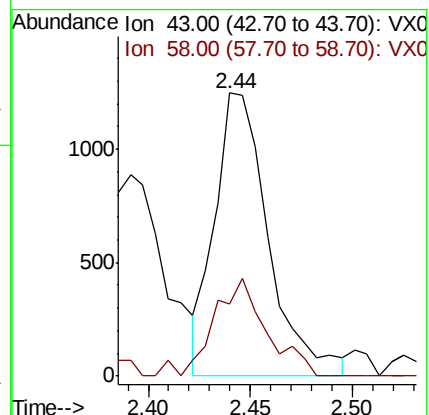
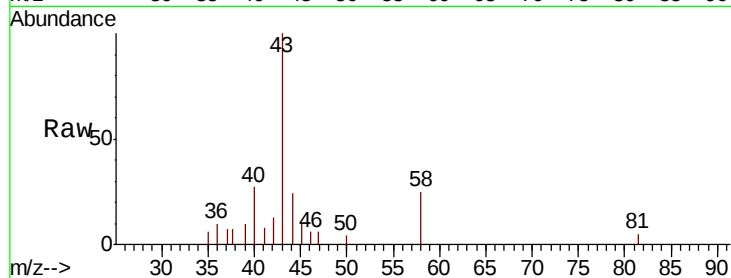
MW-8DL

Tot Ion: 43 Resp: 2288

Ion Ratio Lower Upper

43 100

58 27.2 24.9 37.3



#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009489.D

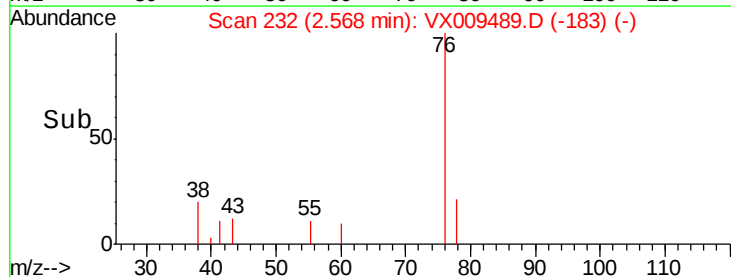
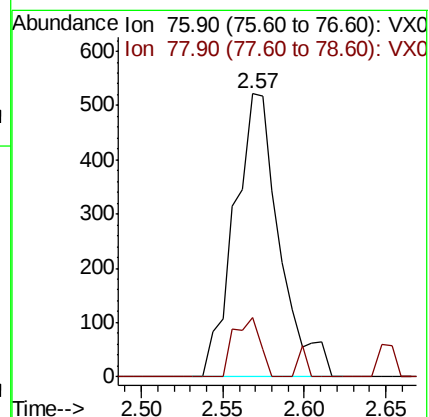
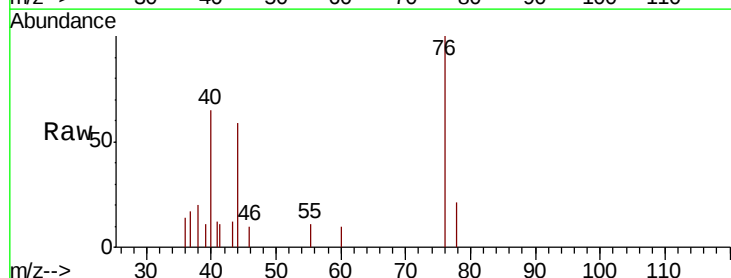
Acq: 10 May 2019 18:29

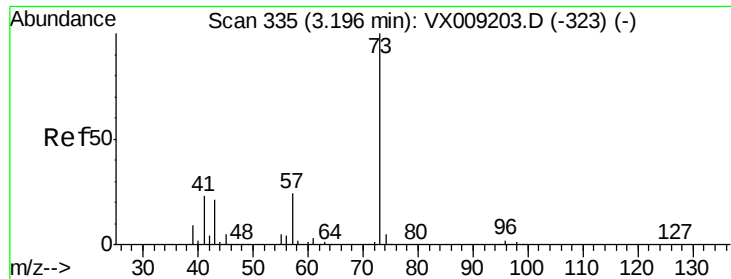
Tgt Ion: 76 Resp: 1006

Ion Ratio Lower Upper

76 100

78 20.7 7.4 11.0#



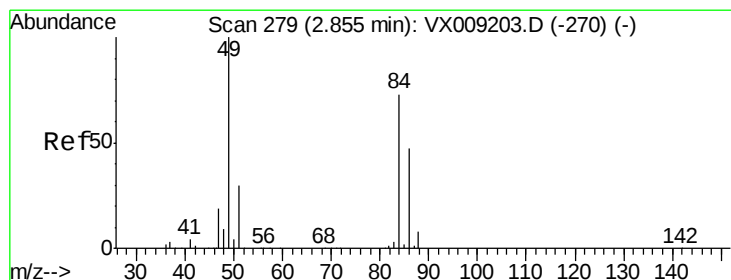
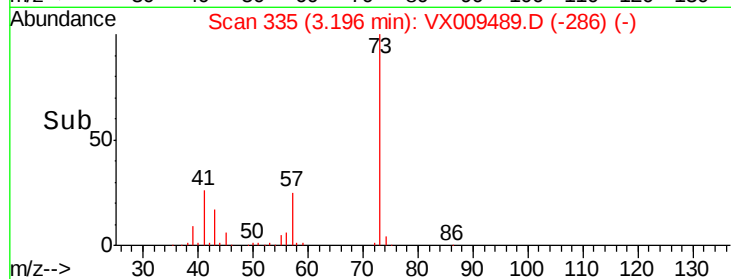
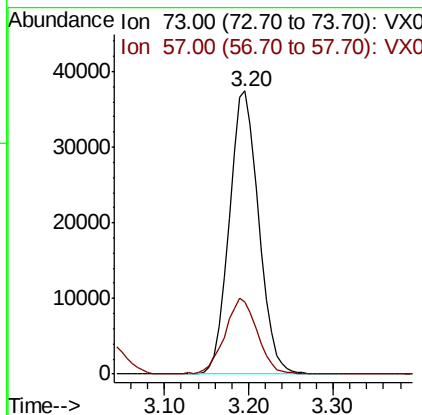
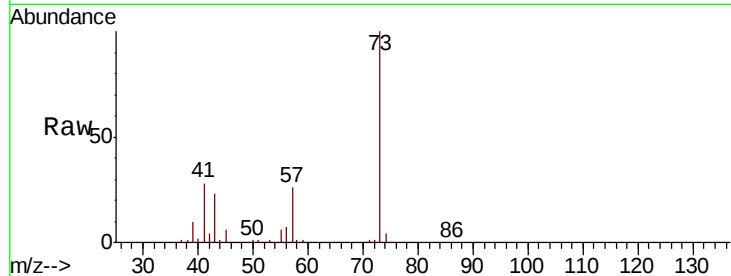


#19

Methyl tert-butyl Ether  
 Concen: 13.240 ug/l  
 RT: 3.20 min Scan# 335  
 Delta R.T. -0.00 min  
 Lab File: VX009489.D  
 Acq: 10 May 2019 18:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-8DL

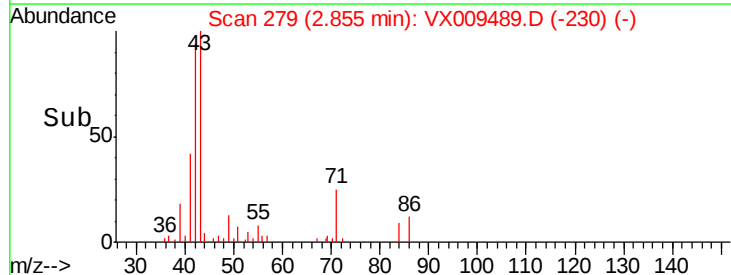
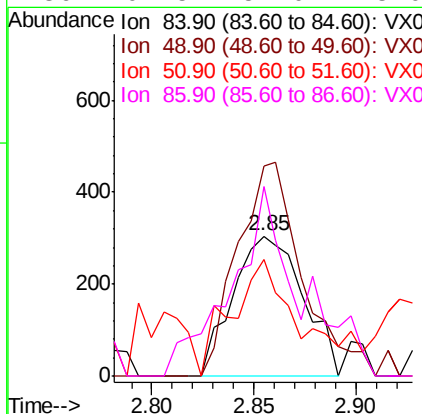
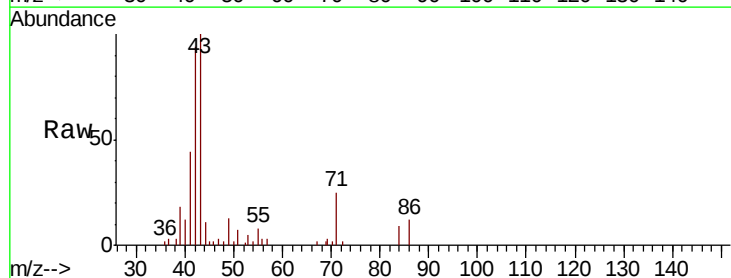
Tot Ion: 73 Resp: 88318  
 Ion Ratio Lower Upper  
 73 100  
 57 25.7 19.3 28.9

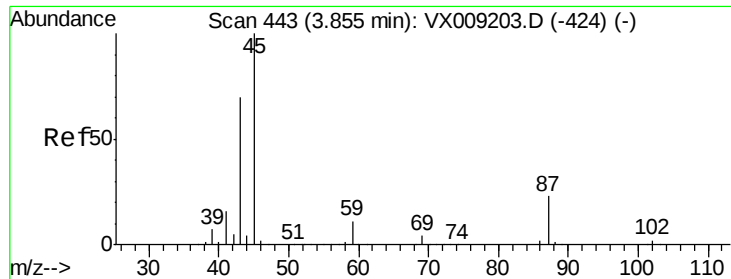


#20

Methylene Chloride  
 Concen: 0.335 ug/l  
 RT: 2.85 min Scan# 279  
 Delta R.T. -0.00 min  
 Lab File: VX009489.D  
 Acq: 10 May 2019 18:29

Tgt Ion: 84 Resp: 727  
 Ion Ratio Lower Upper  
 84 100  
 49 150.2 109.9 164.9  
 51 62.6 32.7 49.1#  
 86 107.5 52.0 78.0#





#22

Diisopropyl ether

Concen: 0.557 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

MW-8DL

Tot Ion: 45 Resp: 4484

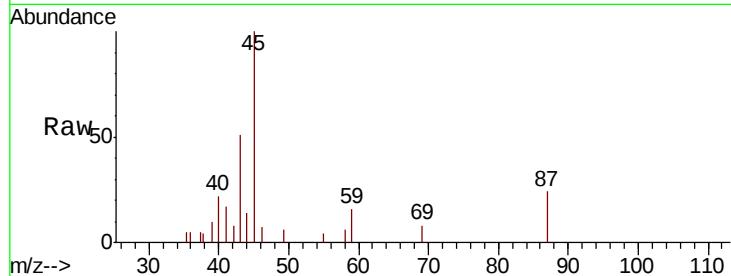
Ion Ratio Lower Upper

45 100

43 45.7 56.1 84.1#

87 23.5 18.1 27.1

59 16.0 8.5 12.7#

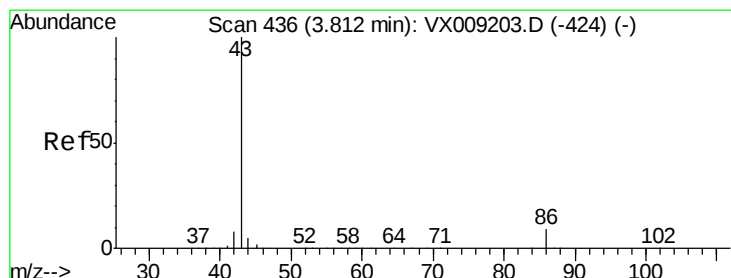
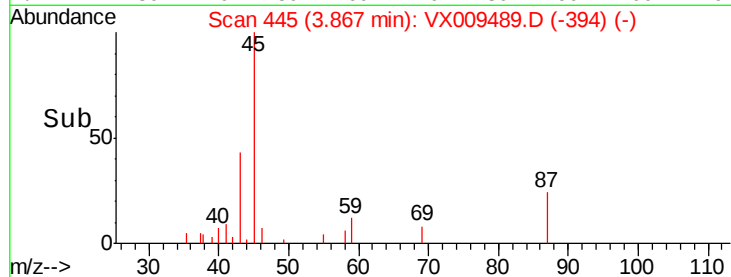
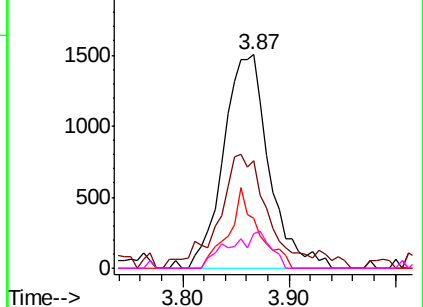


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 0.371 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.04 min

Lab File: VX009489.D

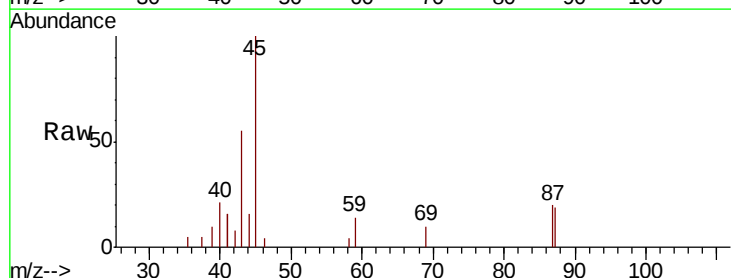
Acq: 10 May 2019 18:29

Tgt Ion: 43 Resp: 2559

Ion Ratio Lower Upper

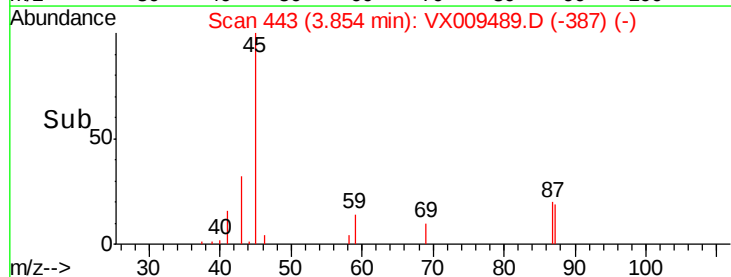
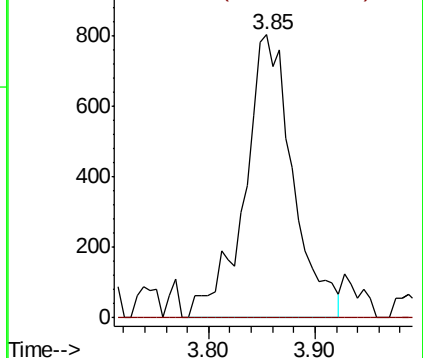
43 100

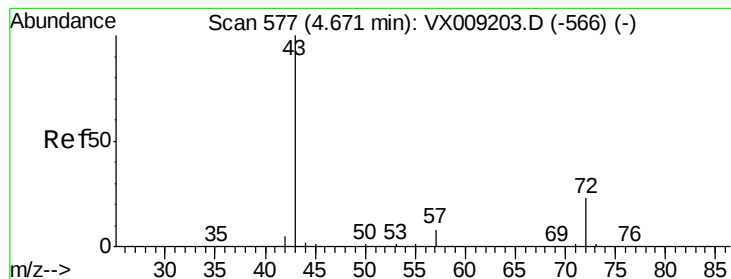
86 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#25

2-Butanone

Concen: 0.234 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

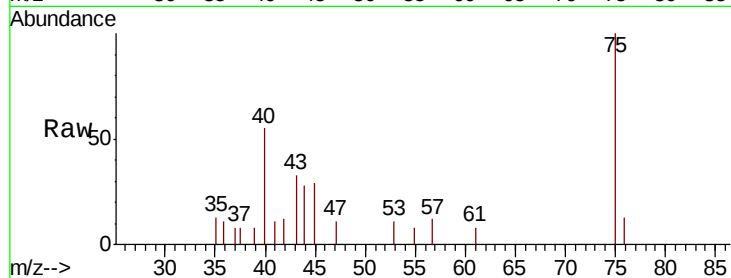
MW-8DL

Tot Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

100

50

0

4.65

4.70

4.75

4.80

4.85

4.90

4.95

5.00

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

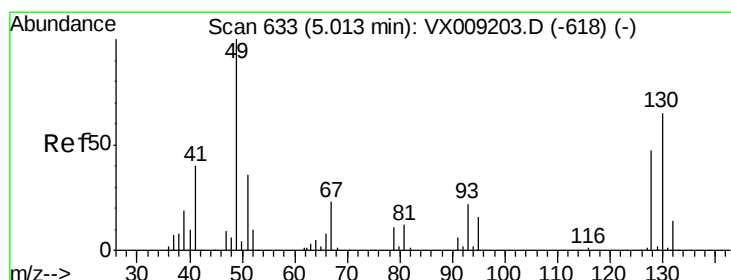
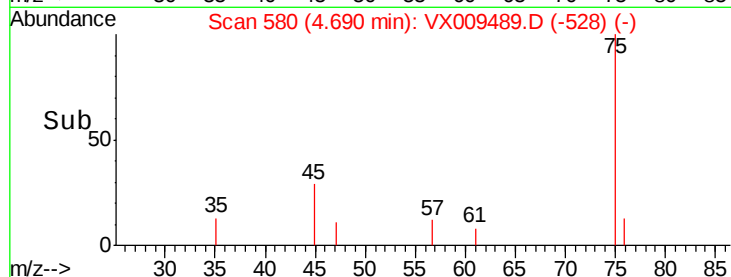
7.05

7.10

7.15

7.20

7.25



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

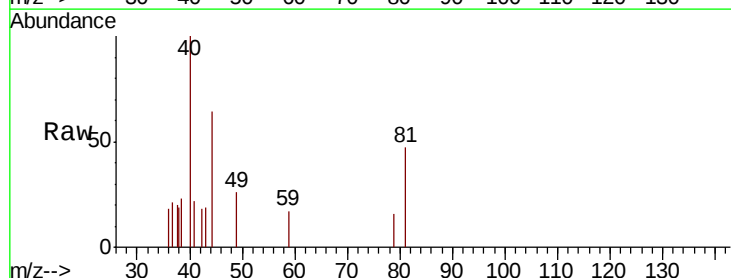
Tgt Ion: 49 Resp: 70

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

100

80

60

40

20

0

4.98

5.00

5.02

5.04

5.06

5.08

5.10

5.12

5.14

5.16

5.18

5.20

5.22

5.24

5.26

5.28

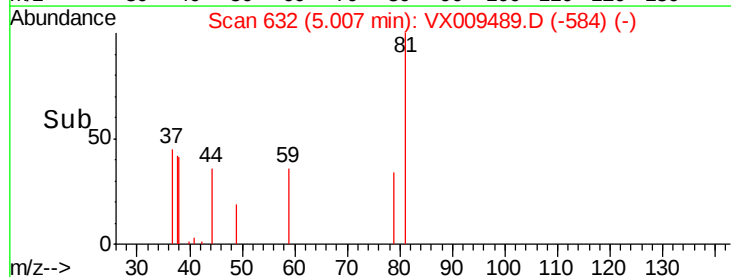
5.30

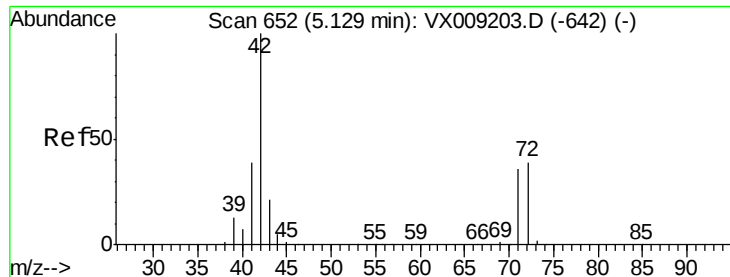
5.32

5.34

5.36

5.38





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

MW-8DL

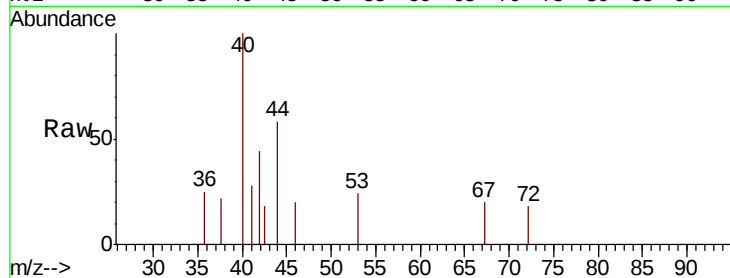
Tot Ion: 42 Resp: 327

Ion Ratio Lower Upper

42 100

72 19.9 30.4 45.6#

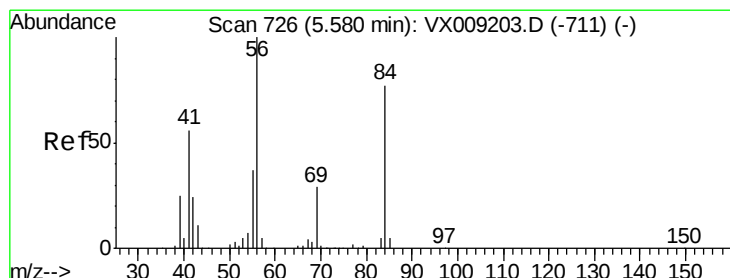
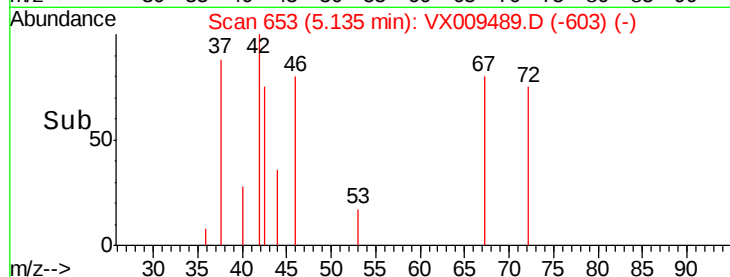
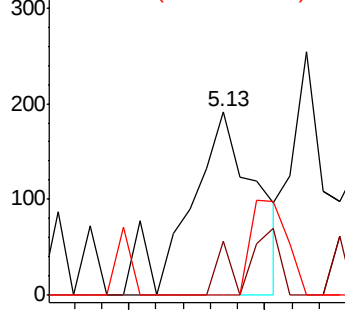
71 28.1 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 2.139 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

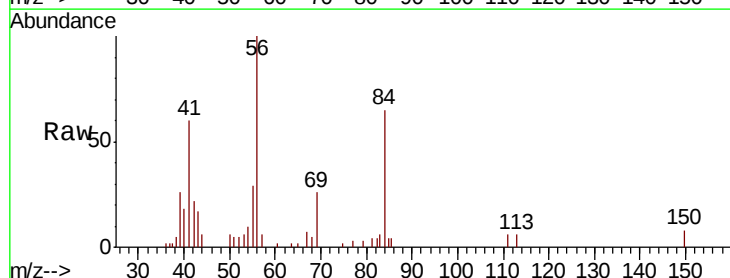
Tgt Ion: 56 Resp: 7905

Ion Ratio Lower Upper

56 100

69 23.5 23.4 35.0

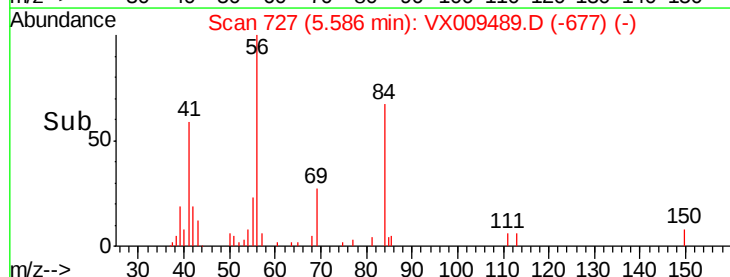
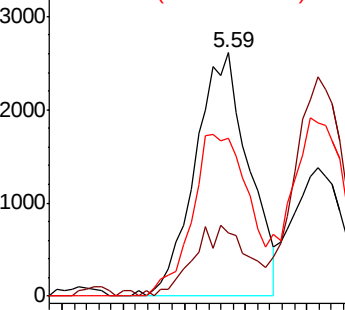
84 64.7 61.9 92.9

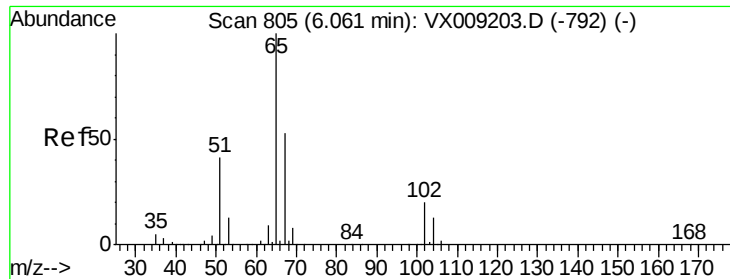


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.564 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

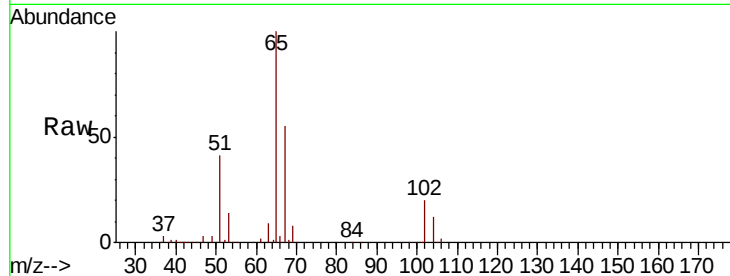
MW-8DL

Tot Ion: 65 Resp: 118869

Ion Ratio Lower Upper

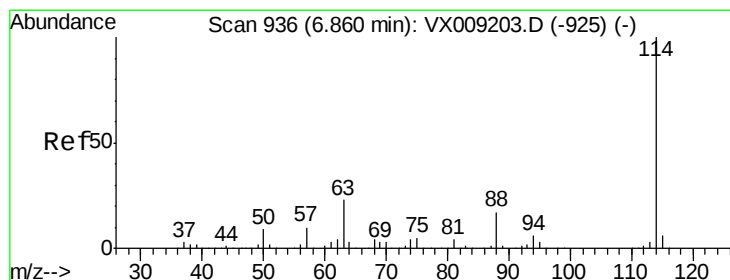
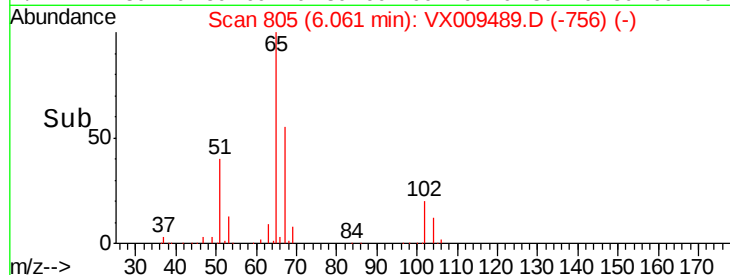
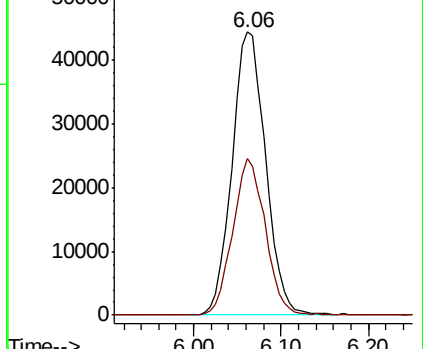
65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

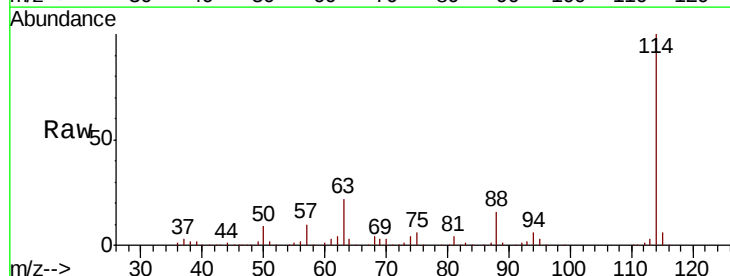
Tgt Ion: 114 Resp: 289896

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

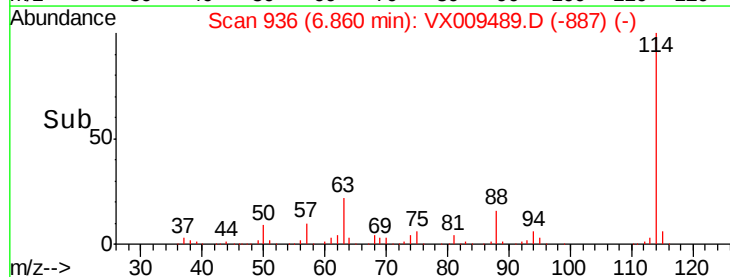
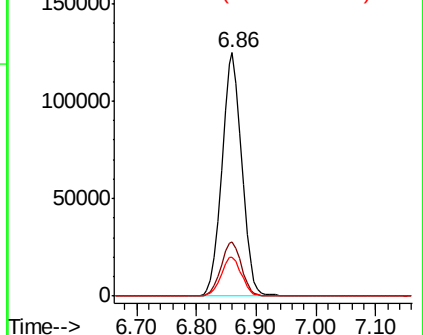
88 15.8 0.0 33.2

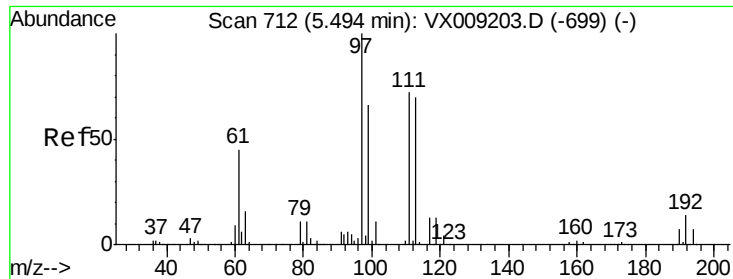


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.623 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-8DL

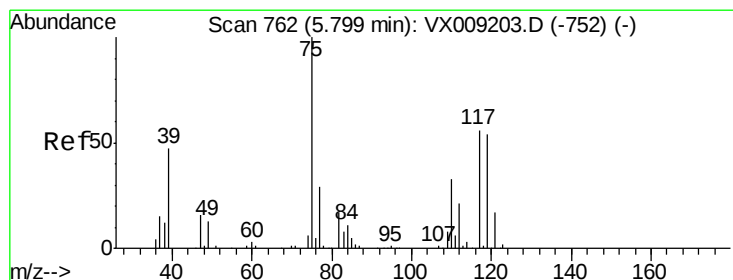
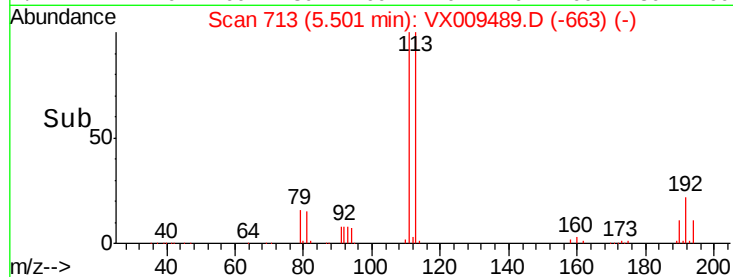
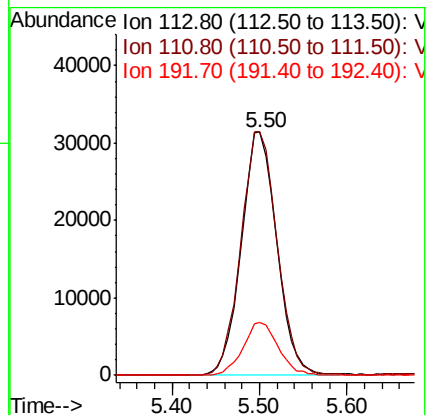
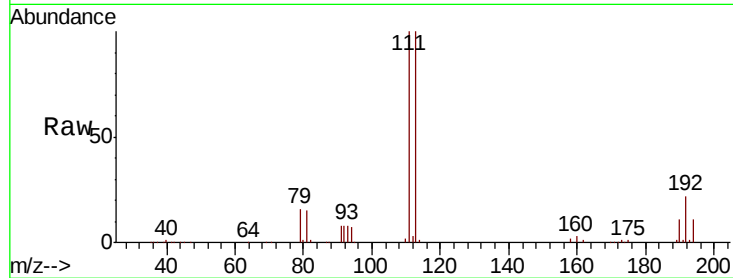
Tot Ion:113 Resp: 88611

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 21.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.221 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

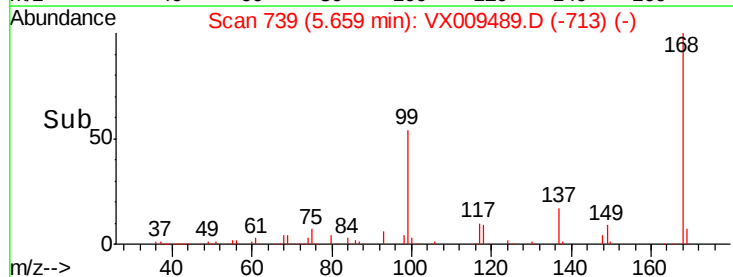
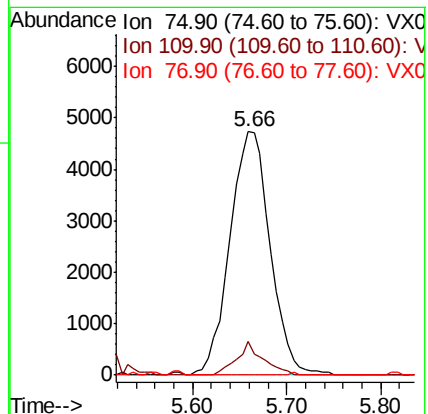
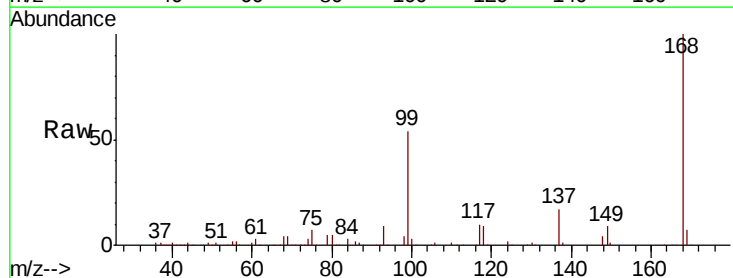
Tgt Ion: 75 Resp: 14065

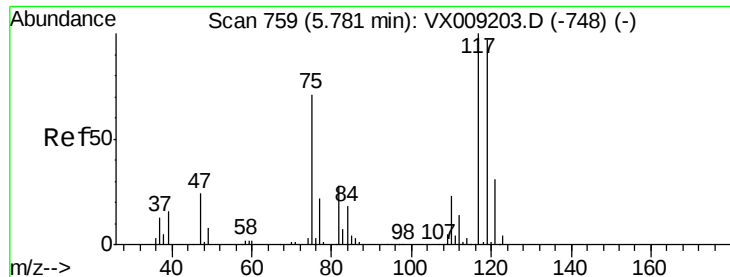
Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.001 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-8DL

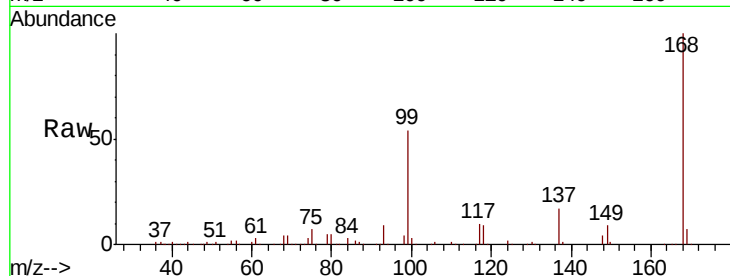
Tot Ion:117 Resp: 17136

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

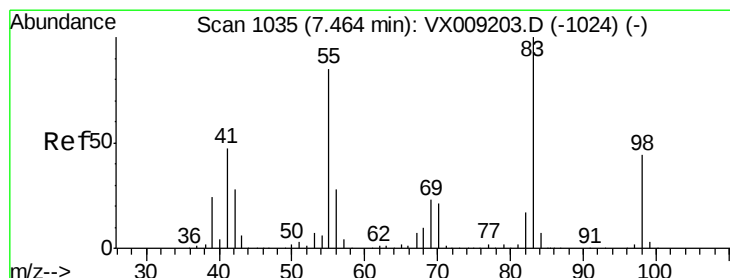
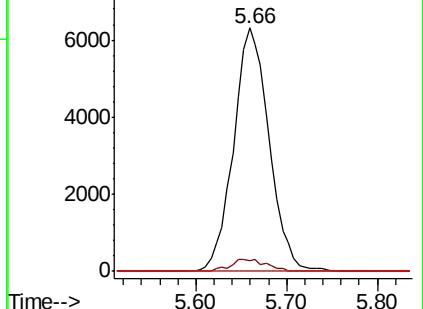
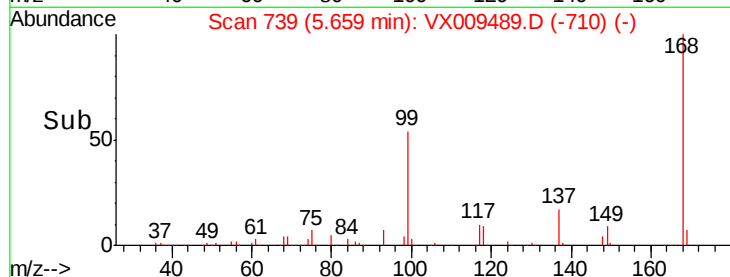
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.455 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

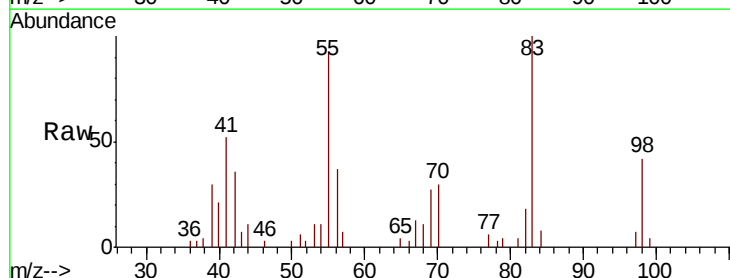
Tgt Ion: 83 Resp: 4815

Ion Ratio Lower Upper

83 100

55 93.1 67.7 101.5

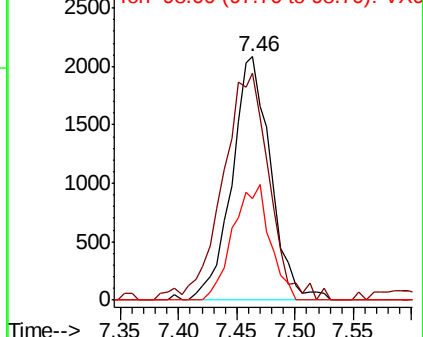
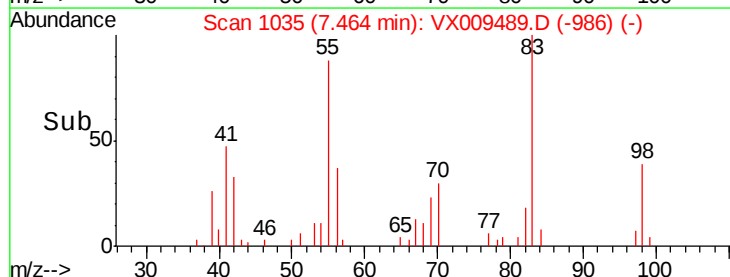
98 41.6 35.5 53.3

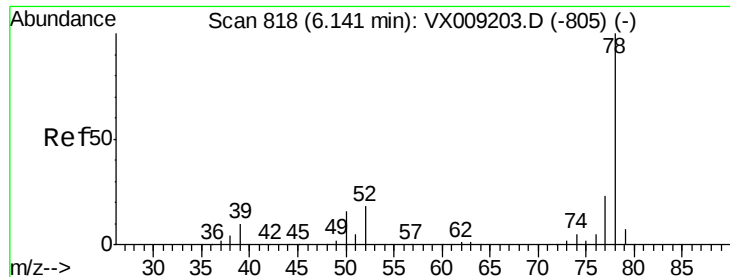


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 15.805 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

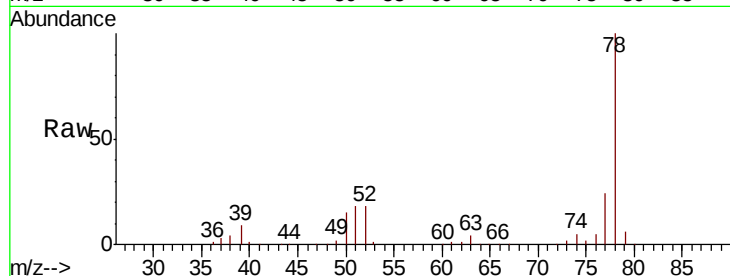
MW-8DL

Tot Ion: 78 Resp: 131774

Ion Ratio Lower Upper

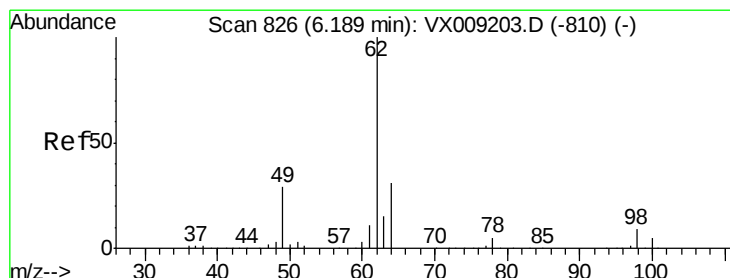
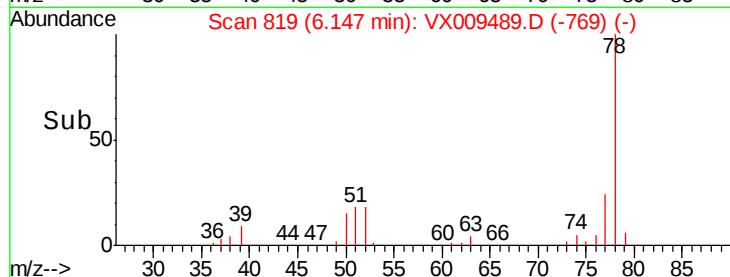
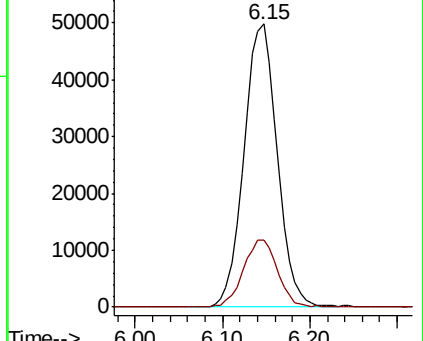
78 100

77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 0.470 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.04 min

Lab File: VX009489.D

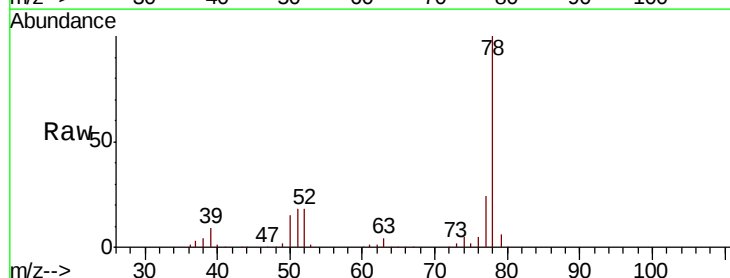
Acq: 10 May 2019 18:29

Tgt Ion: 62 Resp: 1407

Ion Ratio Lower Upper

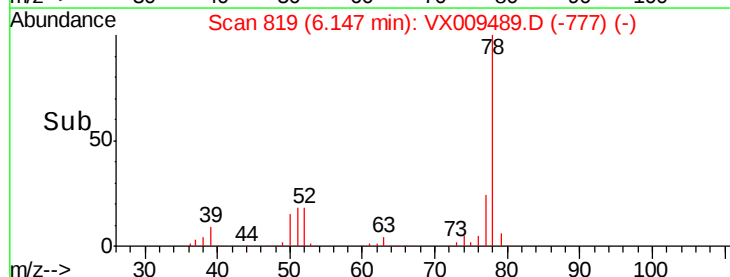
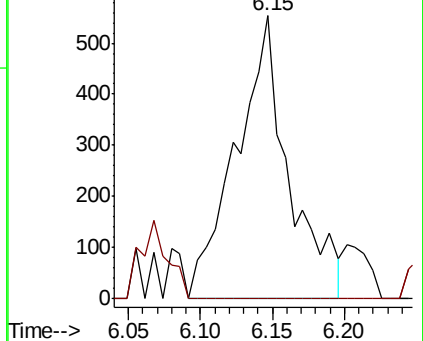
62 100

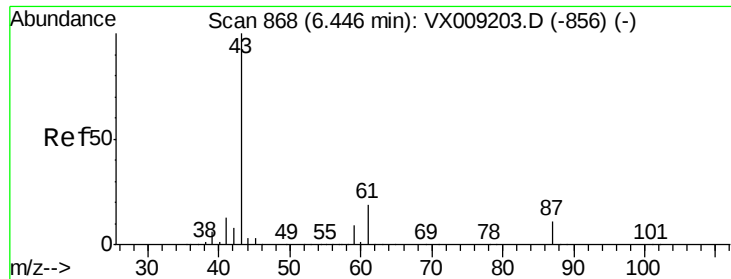
98 0.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.441 ug/l

RT: 6.34 min Scan# 851

Delta R.T. -0.10 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-8DL

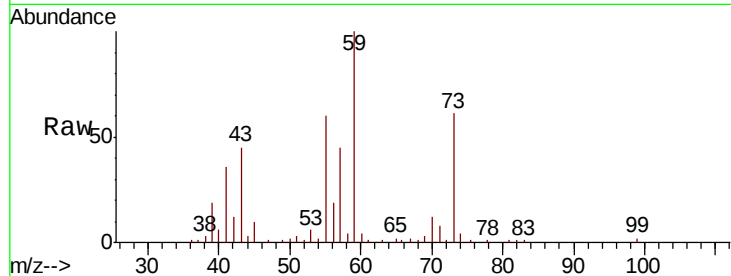
Tot Ion: 43 Resp: 14656

Ion Ratio Lower Upper

43 100

61 1.3 15.1 22.7#

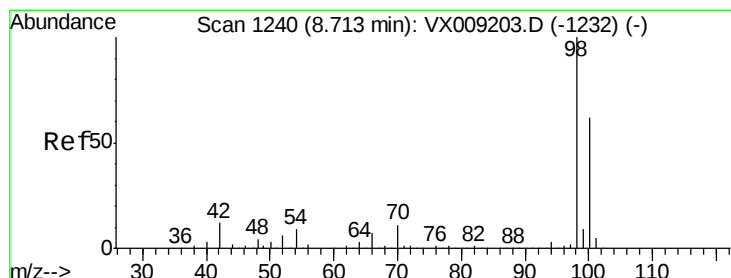
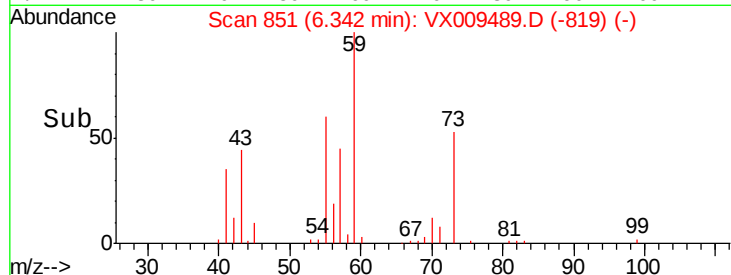
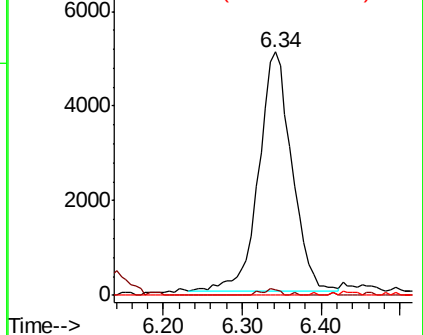
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 49.955 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009489.D

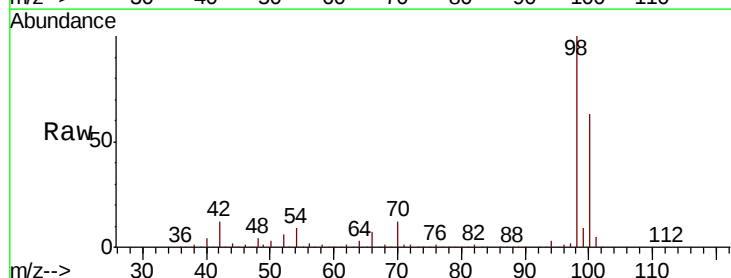
Acq: 10 May 2019 18:29

Tgt Ion: 98 Resp: 367543

Ion Ratio Lower Upper

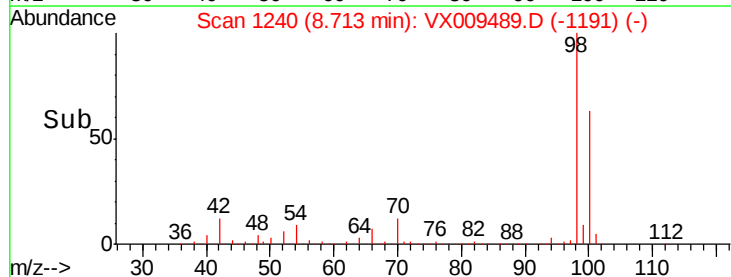
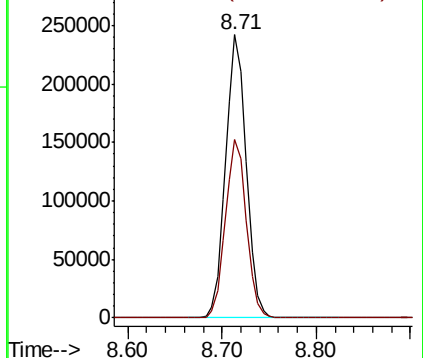
98 100

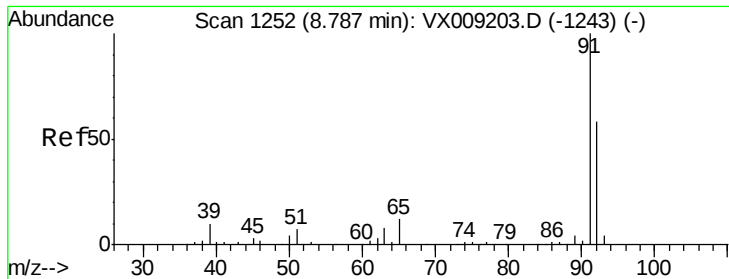
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 17.449 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

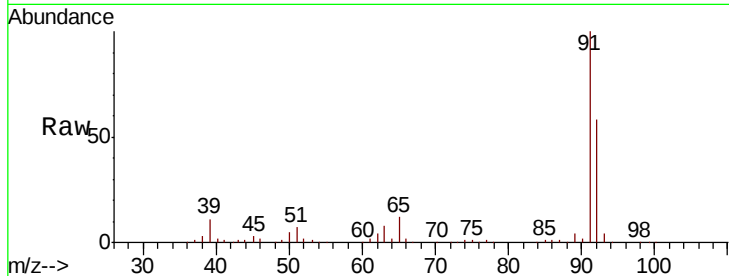
MW-8DL

Tot Ion: 92 Resp: 88434

Ion Ratio Lower Upper

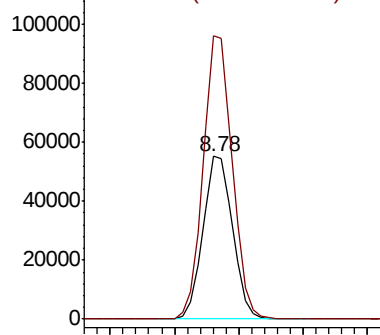
92 100

91 170.8 138.8 208.2

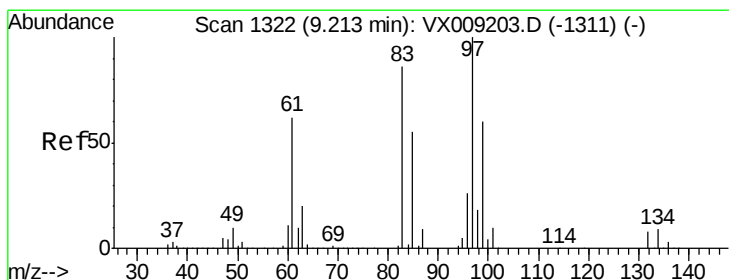
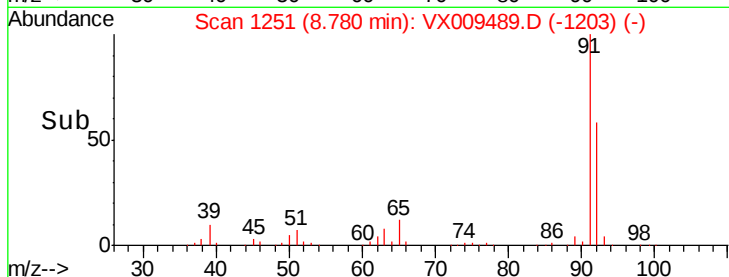


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#55

1,1,2-Trichloroethane

Concen: 0.295 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Tgt Ion: 97 Resp: 611

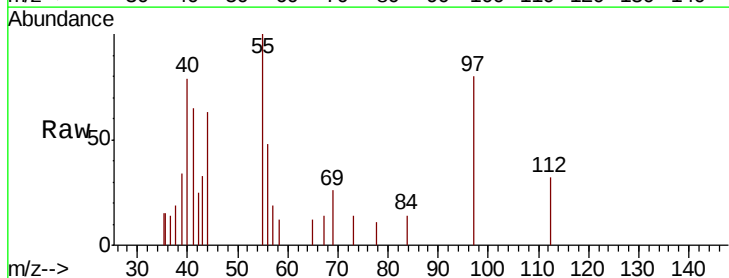
Ion Ratio Lower Upper

97 100

83 0.0 68.9 103.3#

85 0.0 43.8 65.6#

99 0.0 48.2 72.2#

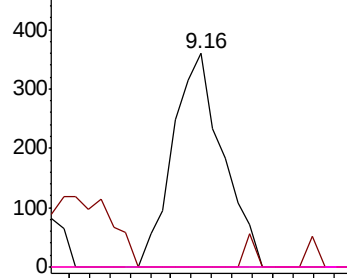


Abundance Ion 96.90 (96.60 to 97.60): VX0

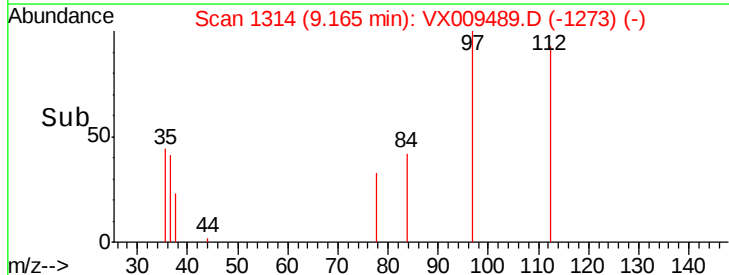
Ion 82.90 (82.60 to 83.60): VX0

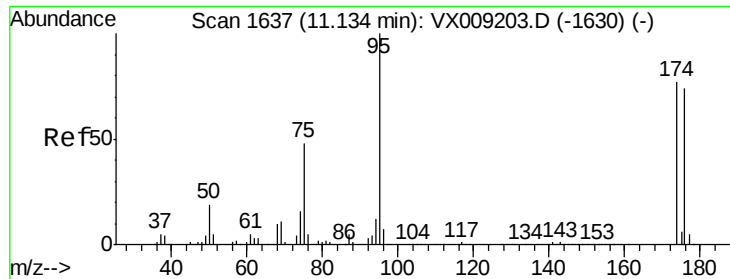
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 46.532 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

MW-8DL

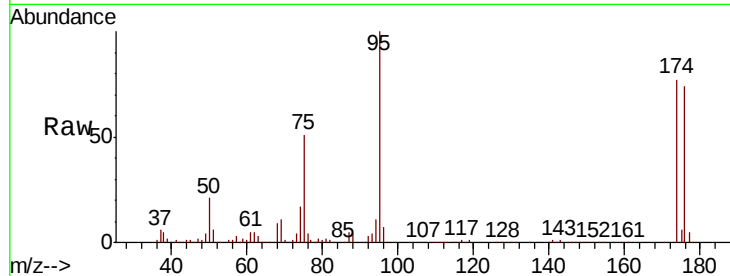
Tot Ion: 95 Resp: 124399

Ion Ratio Lower Upper

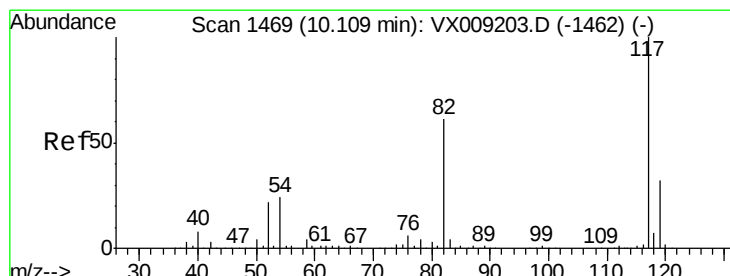
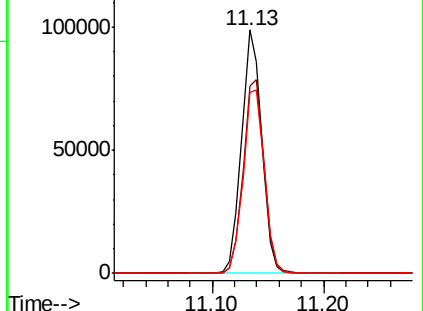
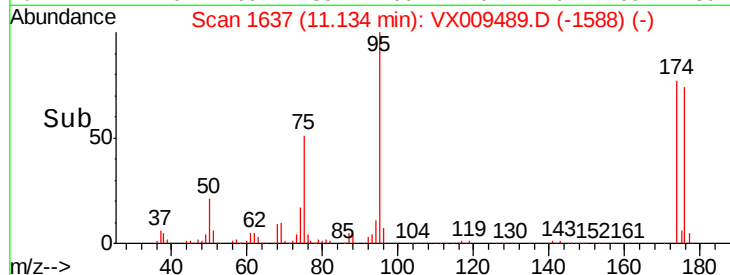
95 100

174 82.4 0.0 161.6

176 79.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009489.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

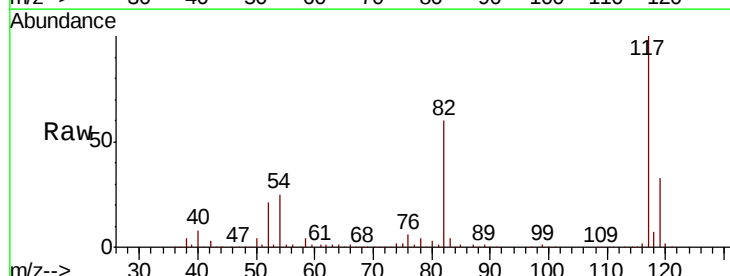
Tgt Ion: 117 Resp: 257444

Ion Ratio Lower Upper

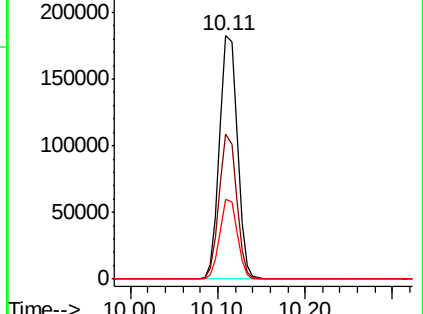
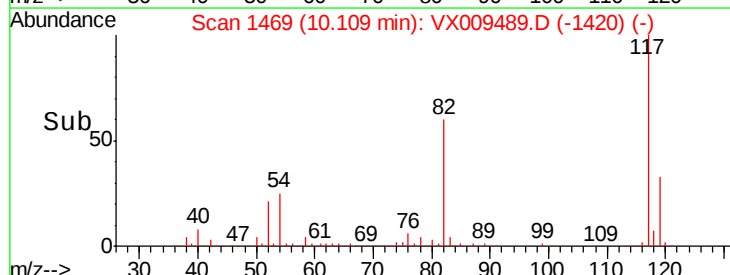
117 100

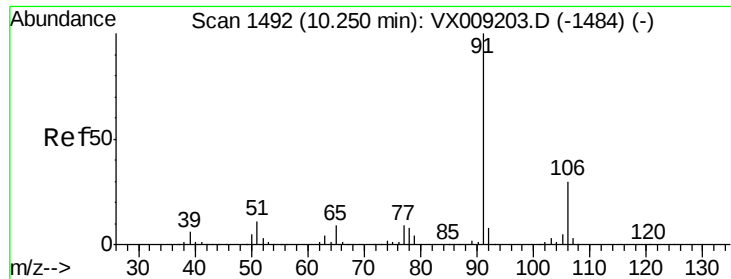
82 59.5 48.8 73.2

119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009489.D (-1420) (-)

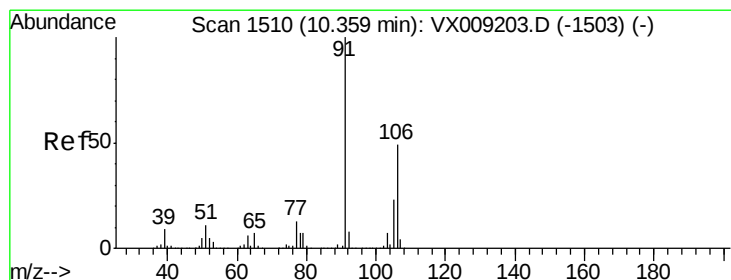
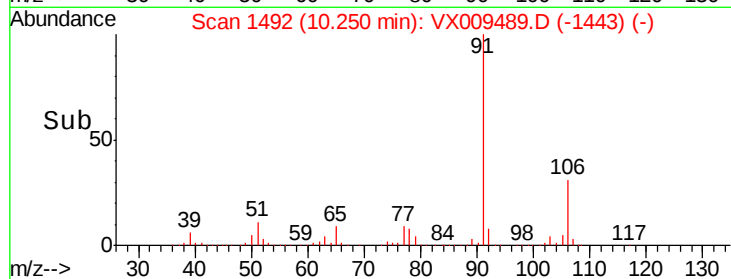
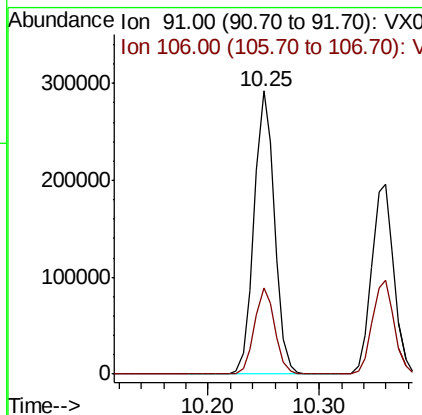
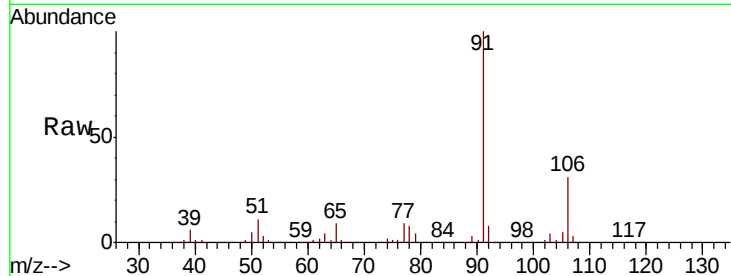




#67  
Ethyl Benzene  
Concen: 39.460 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.00 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

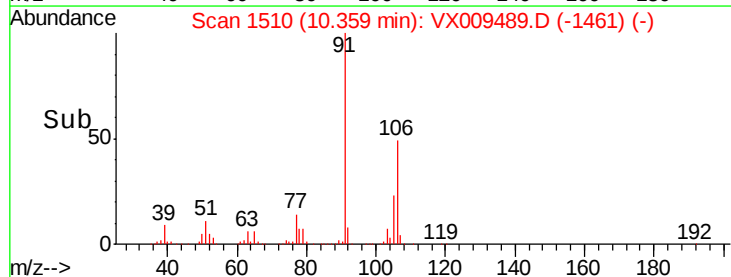
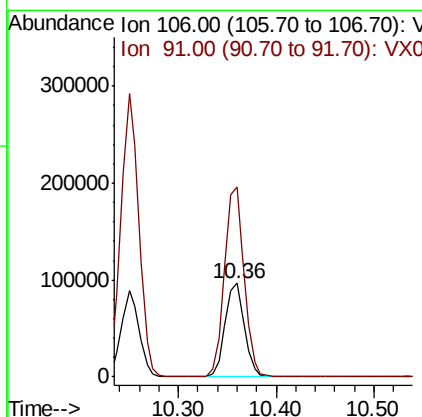
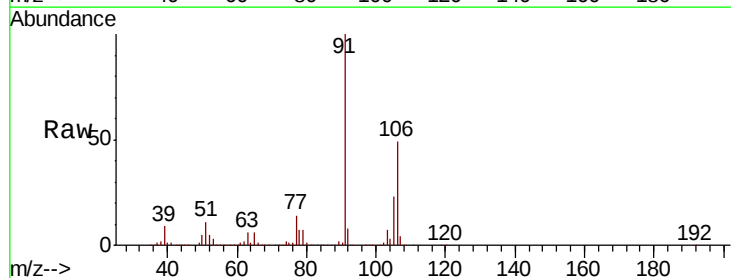
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-8DL

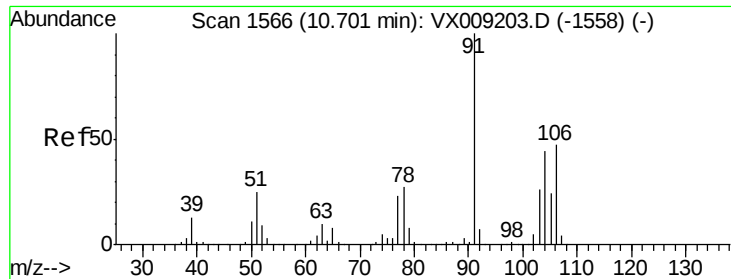
Tot Ion: 91 Resp: 374004  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.0 36.0



#68  
m/p-Xylenes  
Concen: 38.258 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion: 106 Resp: 132510  
Ion Ratio Lower Upper  
106 100  
91 205.9 164.0 246.0

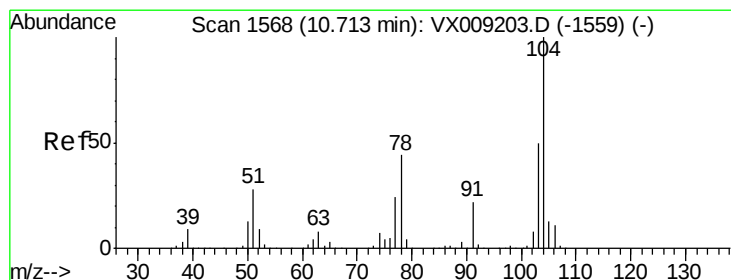
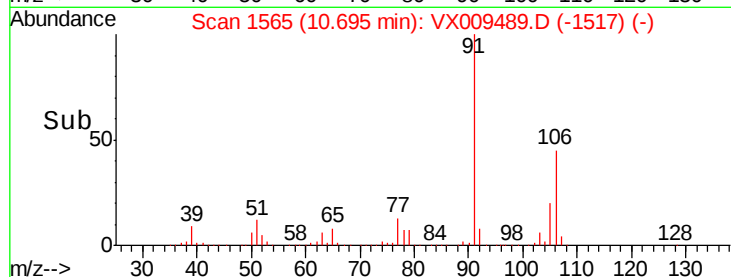
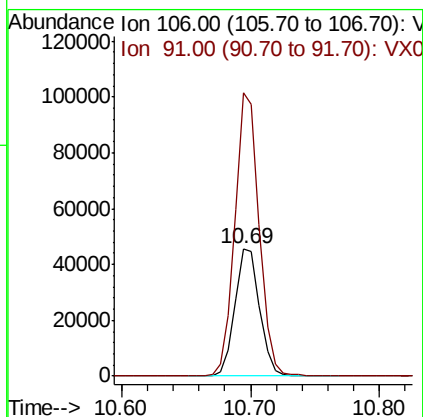
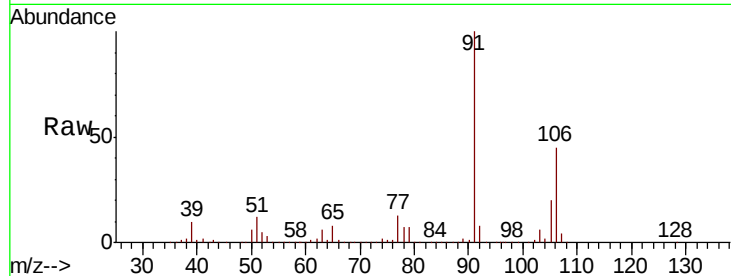




#69  
o-Xylene  
Concen: 17.815 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

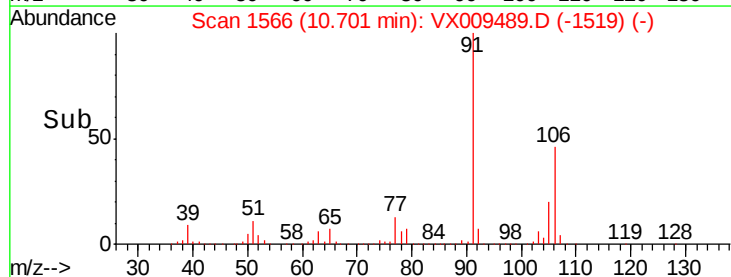
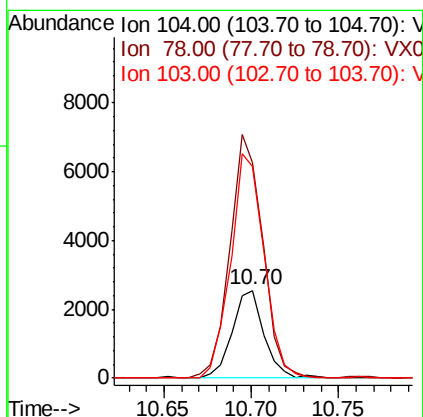
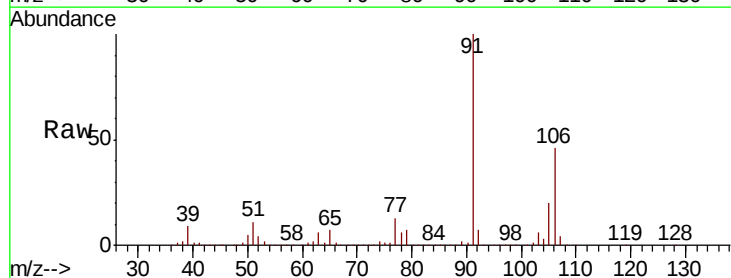
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8DL

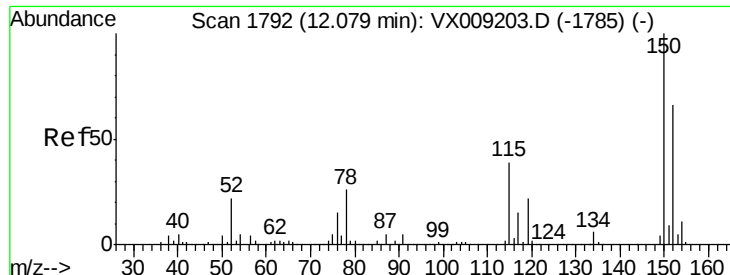
Tot Ion:106 Resp: 60881  
Ion Ratio Lower Upper  
106 100  
91 219.6 109.5 328.4



#70  
Styrene  
Concen: 0.544 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.01 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion:104 Resp: 3230  
Ion Ratio Lower Upper  
104 100  
78 285.8 41.0 61.4#  
103 267.5 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-8DL

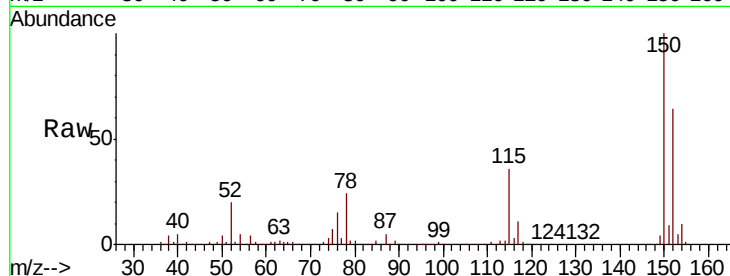
Tot Ion:152 Resp: 115288

Ion Ratio Lower Upper

152 100

115 58.4 41.2 123.6

150 156.2 0.0 346.4

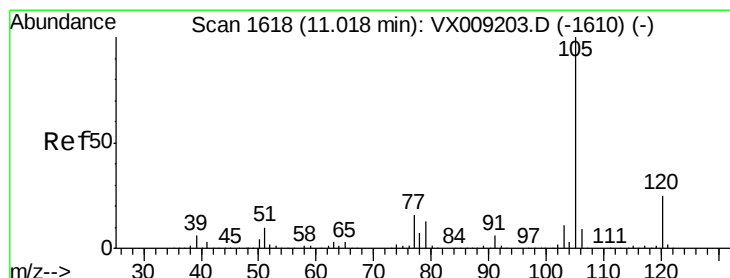
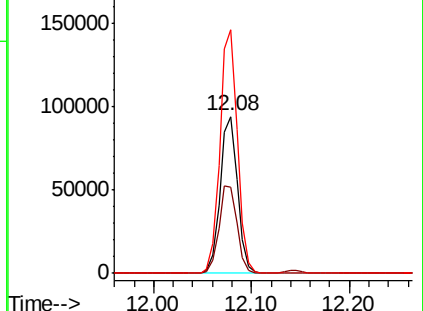
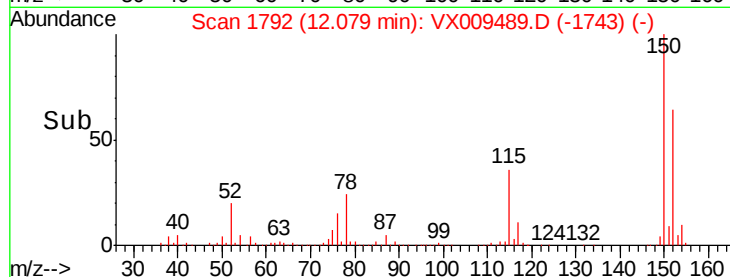


Abundance

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: 3.603 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009489.D

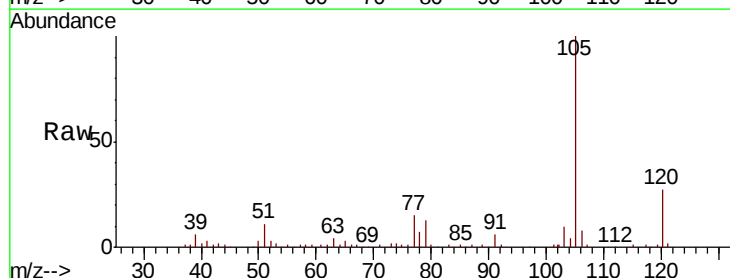
Acq: 10 May 2019 18:29

Tgt Ion:105 Resp: 30209

Ion Ratio Lower Upper

105 100

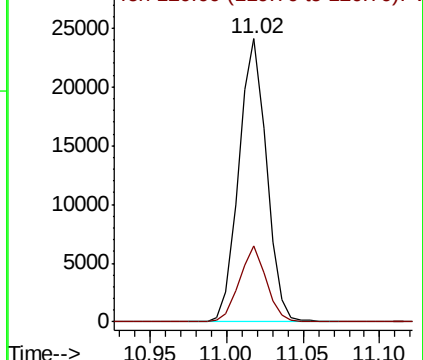
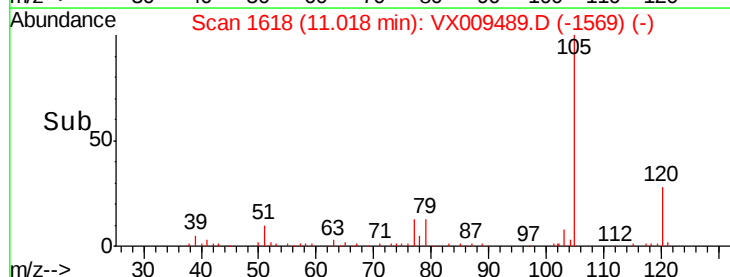
120 25.9 12.8 38.3

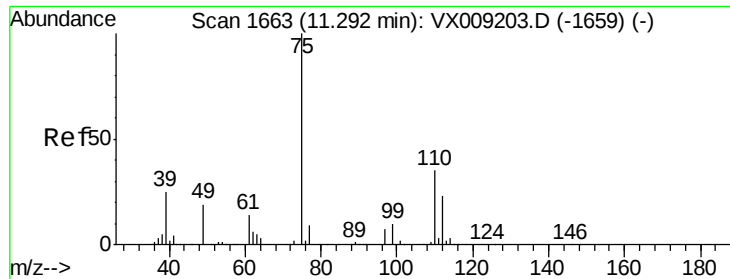


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

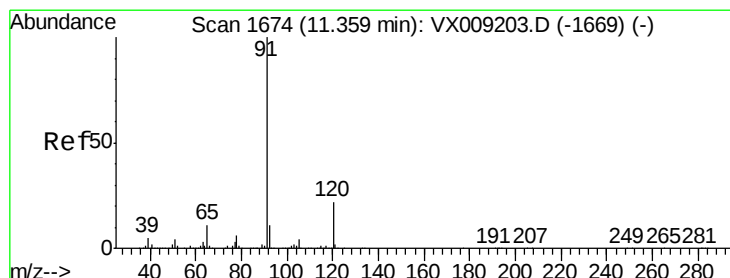
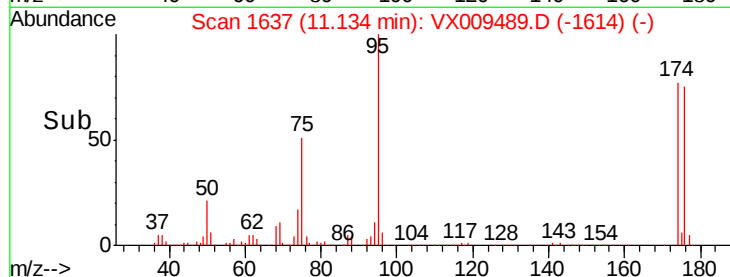
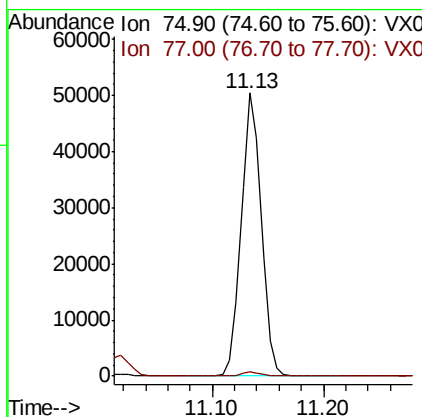
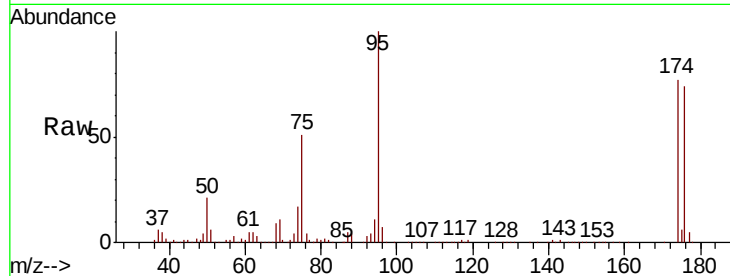




#76  
1,2,3-Trichloropropane  
Concen: 23.589 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.16 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

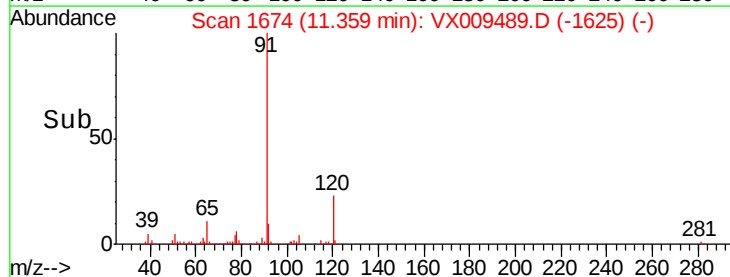
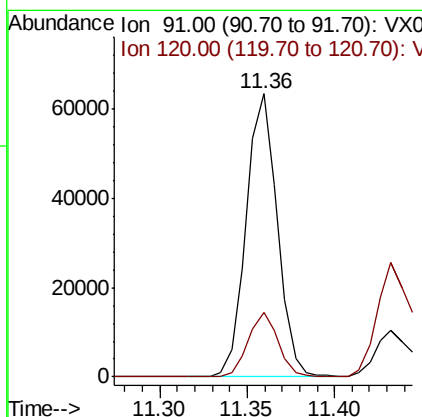
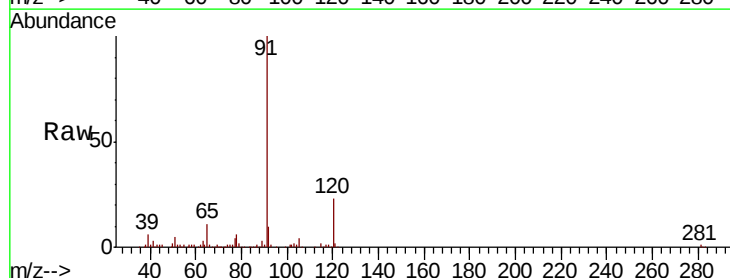
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8DL

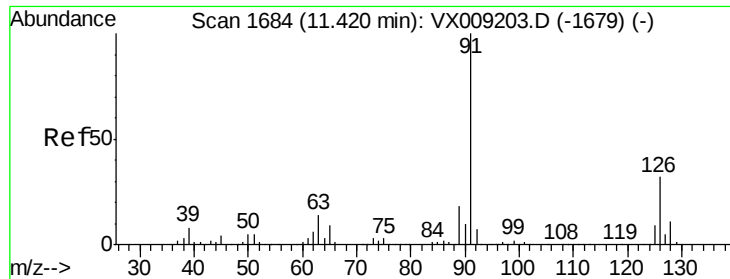
Tot Ion: 75 Resp: 63084  
Ion Ratio Lower Upper  
75 100  
77 1.4 22.1 66.1#



#78  
n-propylbenzene  
Concen: 8.209 ug/l  
RT: 11.36 min Scan# 1674  
Delta R.T. -0.00 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion: 91 Resp: 78596  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.0 33.0





#79

2-Chlorotoluene

Concen: 3.066 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampled :

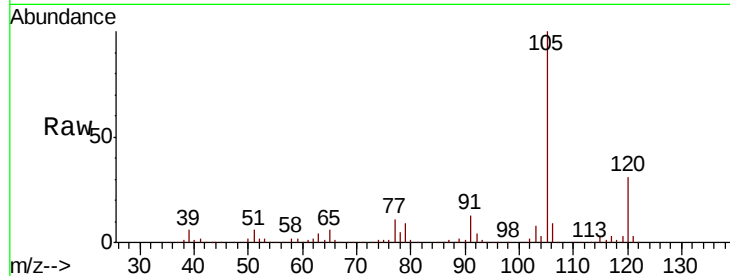
MW-8DL

Tot Ion: 91 Resp: 18108

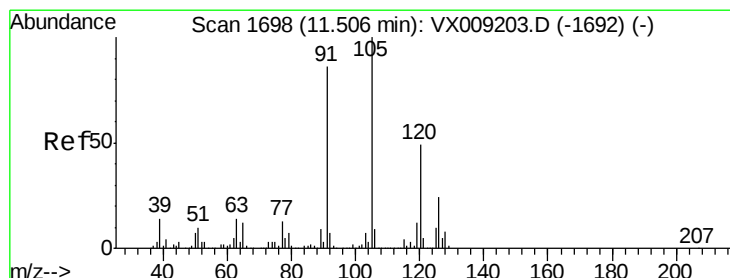
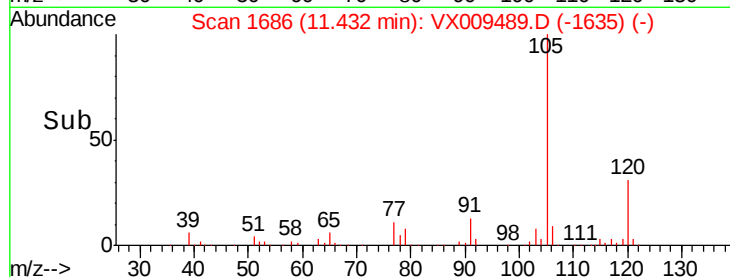
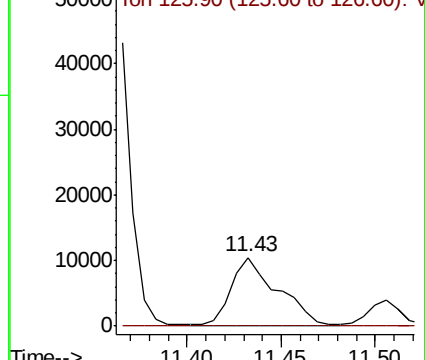
Ion Ratio Lower Upper

91 100

126 0.2 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VX009489.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.246 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009489.D

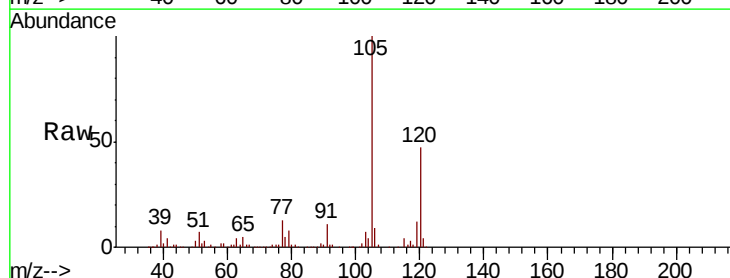
Acq: 10 May 2019 18:29

Tgt Ion: 105 Resp: 44092

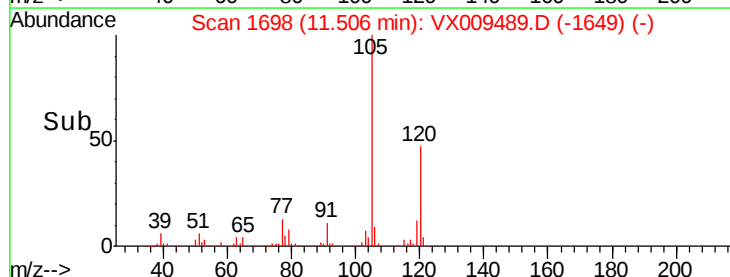
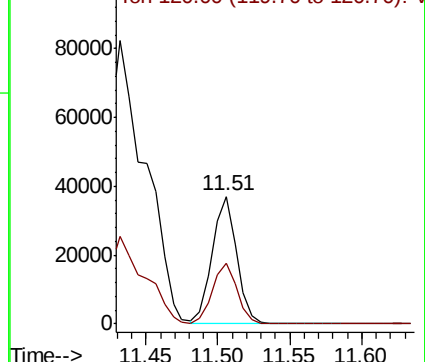
Ion Ratio Lower Upper

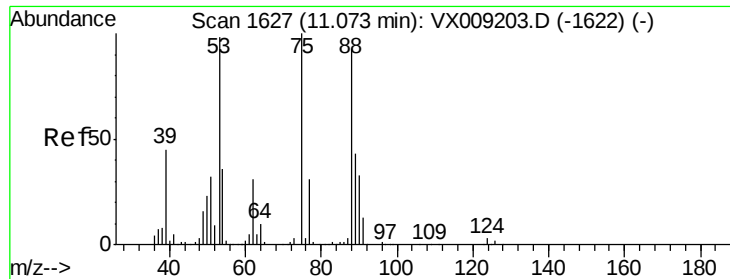
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009489.D (-1649) (-)

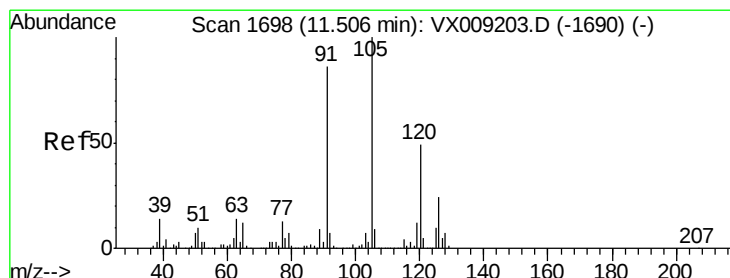
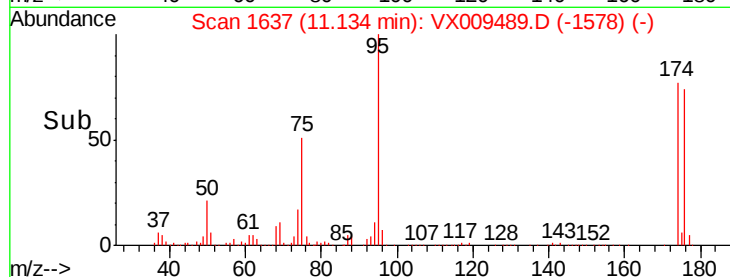
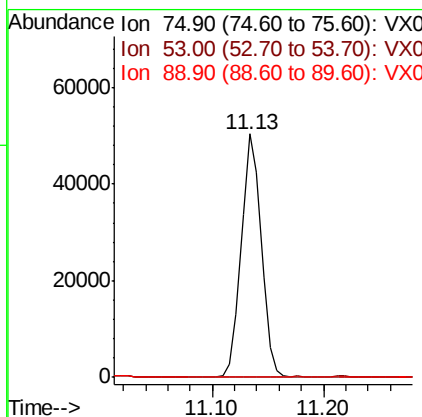
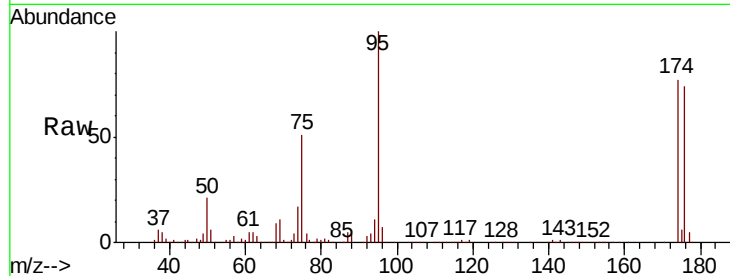




#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.356 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.06 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

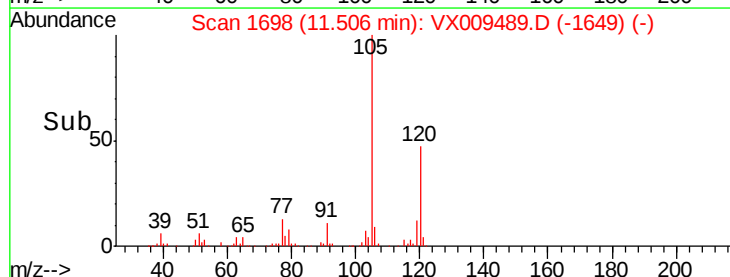
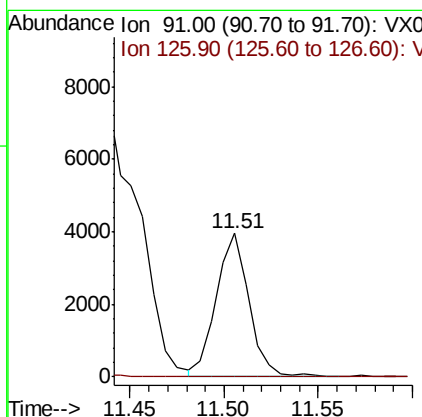
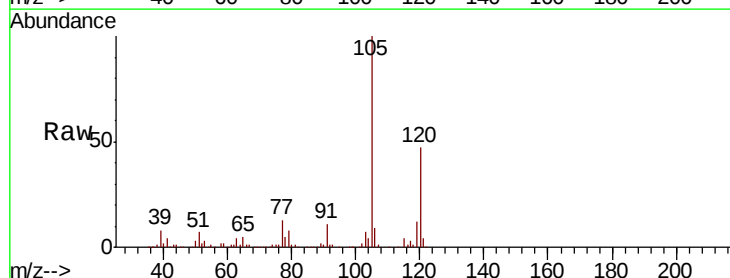
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8DL

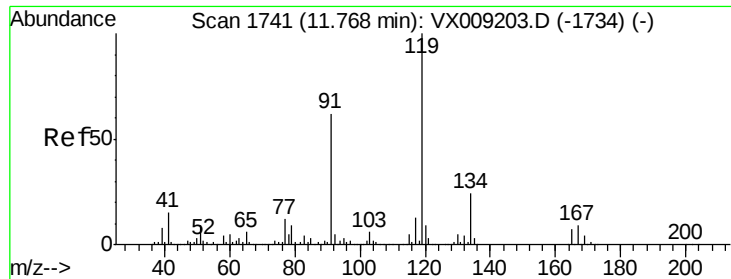
Tot Ion: 75 Resp: 63084  
Ion Ratio Lower Upper  
75 100  
53 0.1 79.0 118.6#  
89 0.0 34.7 52.1#



#82  
4-Chlorotoluene  
Concen: 0.716 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. -0.00 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion: 91 Resp: 4777  
Ion Ratio Lower Upper  
91 100  
126 0.0 14.5 43.6#

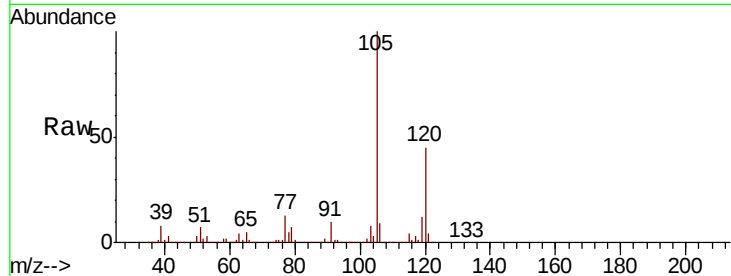




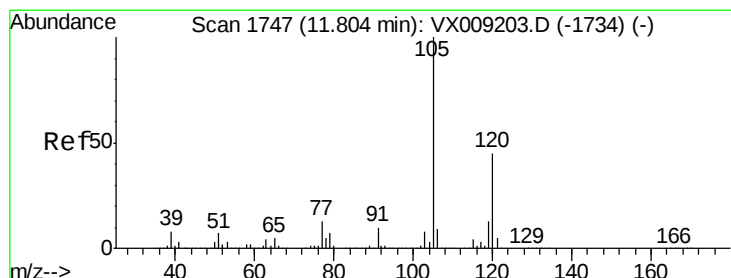
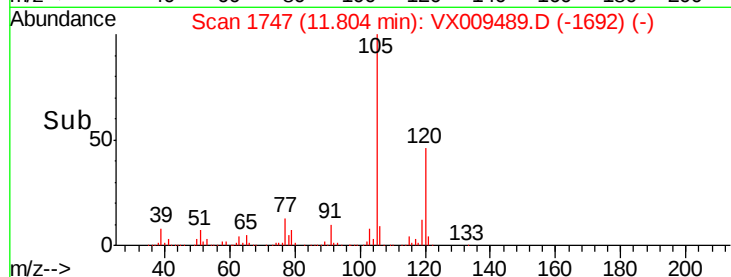
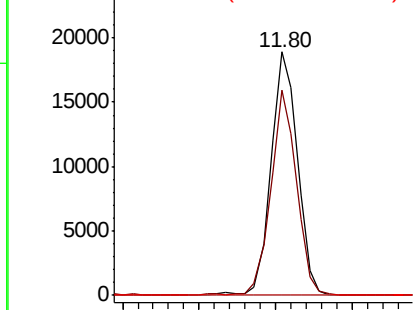
#83  
tert-Butylbenzene  
Concen: 3.319 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. 0.04 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-8DL

Tot Ion:119 Resp: 22794  
Ion Ratio Lower Upper  
119 100  
91 82.1 29.5 88.5  
134 0.0 11.4 34.1#

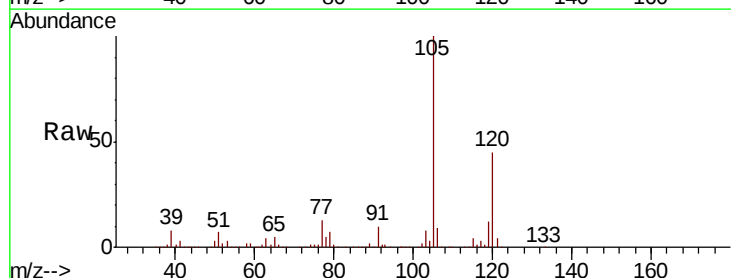


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): VX0  
Ion 134.00 (133.70 to 134.70): V

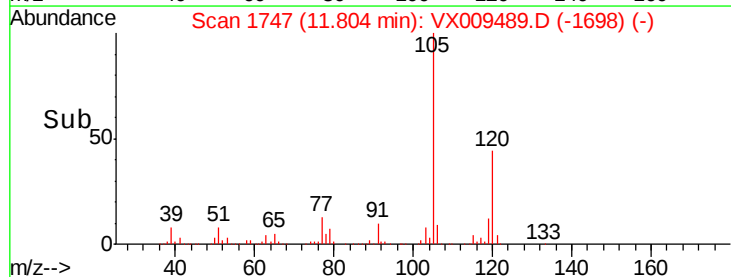
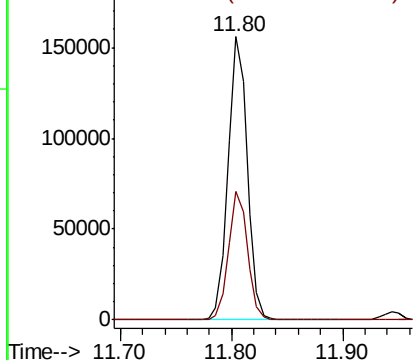


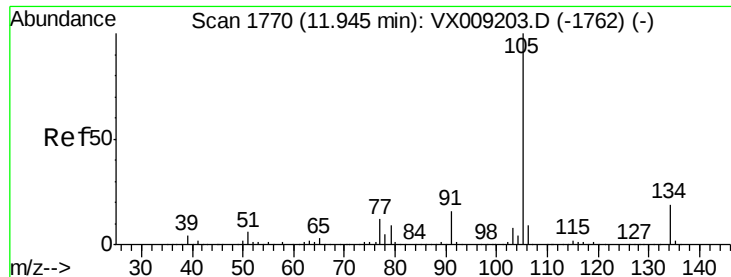
#84  
1,2,4-Trimethylbenzene  
Concen: 26.148 ug/l  
RT: 11.80 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion:105 Resp: 185273  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.0 66.0



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





#85

sec-Butylbenzene

Concen: 0.717 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

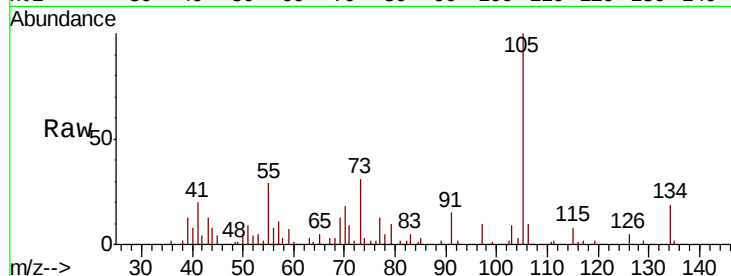
MW-8DL

Tot Ion:105 Resp: 5836

Ion Ratio Lower Upper

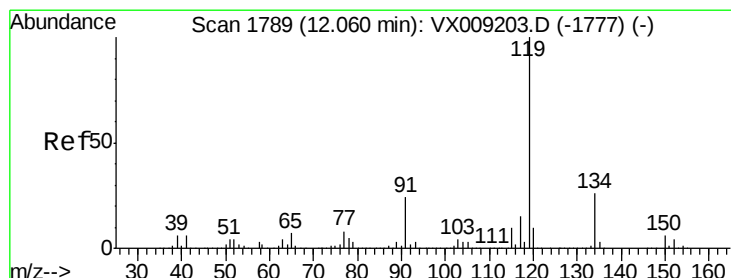
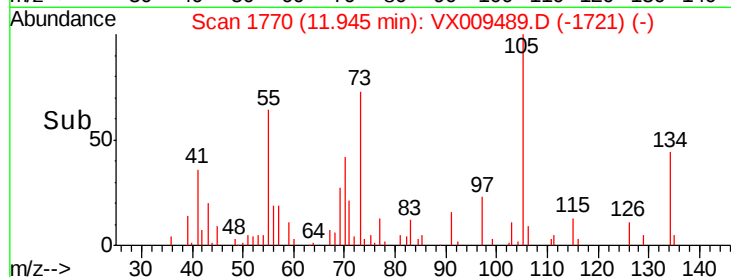
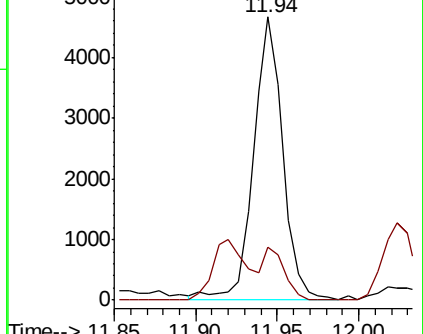
105 100

134 12.7 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.728 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

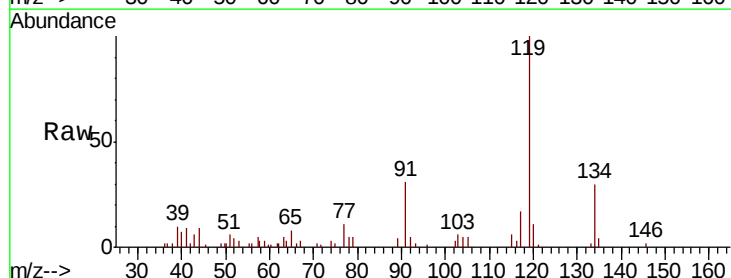
Tgt Ion:119 Resp: 5326

Ion Ratio Lower Upper

119 100

134 30.4 12.9 38.7

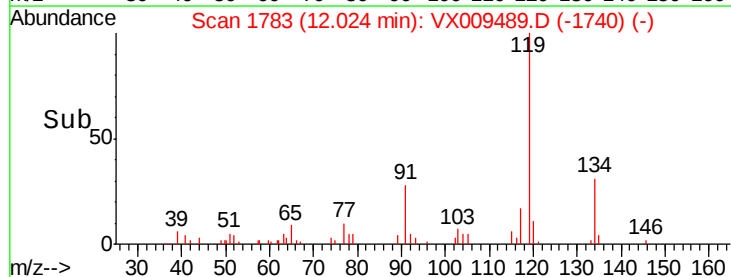
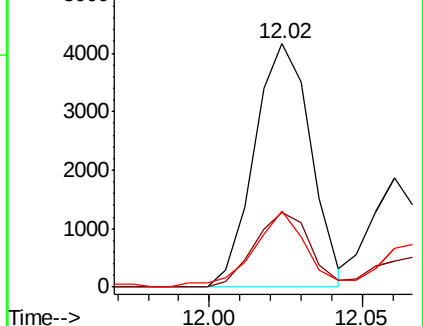
91 29.1 11.8 35.4

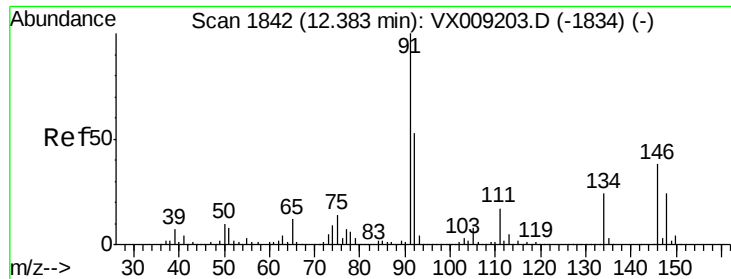


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

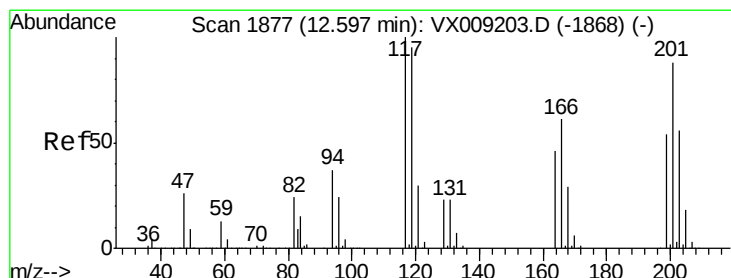
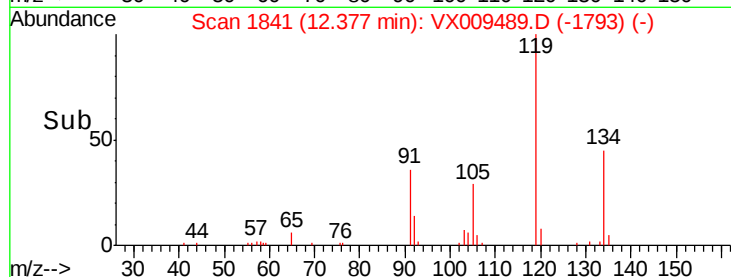
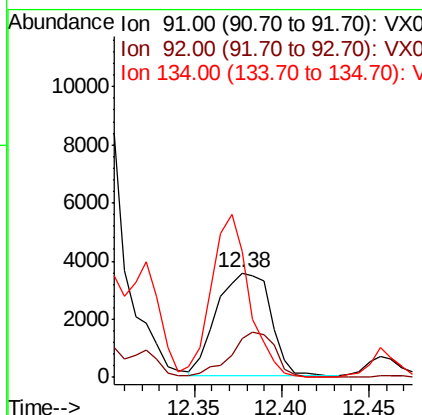
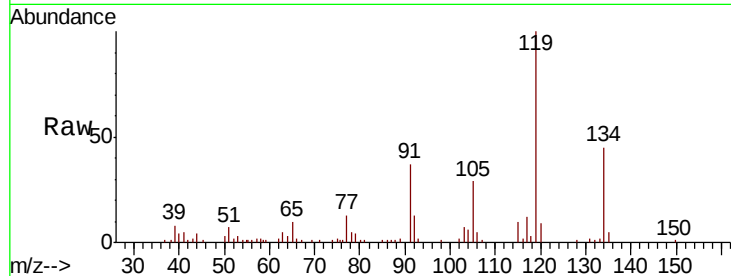




#89  
n-Butylbenzene  
Concen: 1.150 ug/l  
RT: 12.38 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

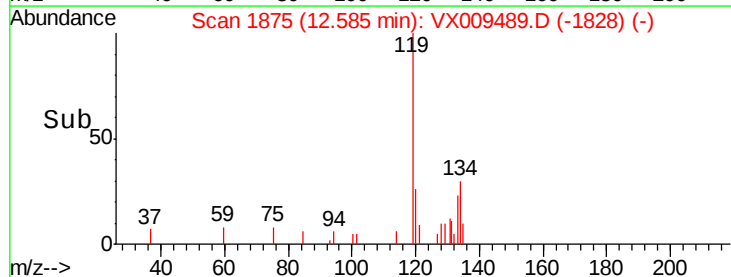
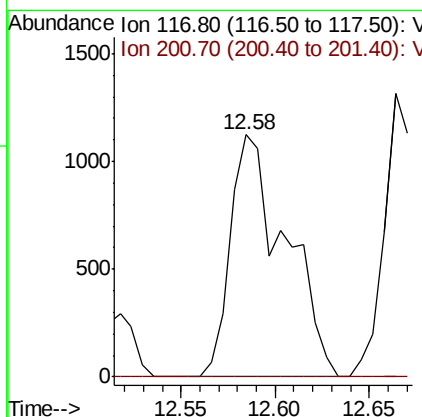
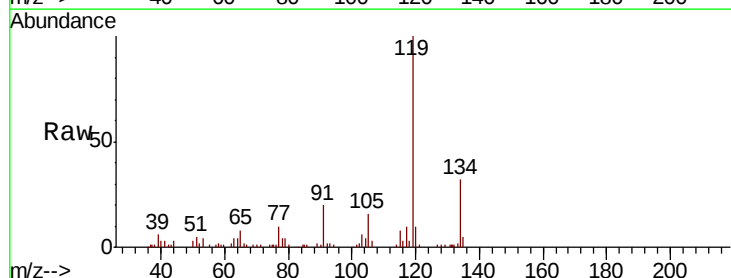
Instrument :  
MSVOA\_X  
ClientSampled :  
MW-8DL

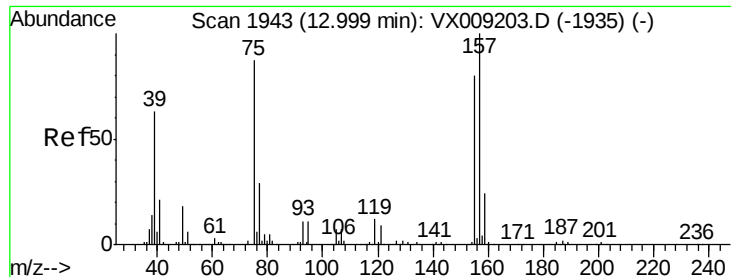
Tot Ion: 91 Resp: 7606  
Ion Ratio Lower Upper  
91 100  
92 35.8 26.5 79.5  
134 111.6 12.4 37.2#



#90  
Hexachloroethane  
Concen: 1.824 ug/l  
RT: 12.58 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: VX009489.D  
Acq: 10 May 2019 18:29

Tgt Ion: 117 Resp: 2274  
Ion Ratio Lower Upper  
117 100  
201 0.0 42.3 126.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.332 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA\_X

ClientSampleId :

MW-8DL

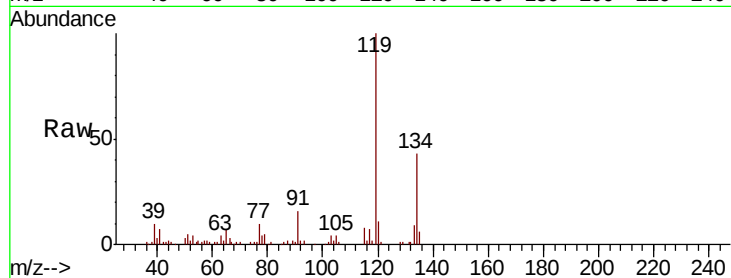
Tot Ion: 75 Resp: 233

Ion Ratio Lower Upper

75 100

155 0.0 42.0 126.0#

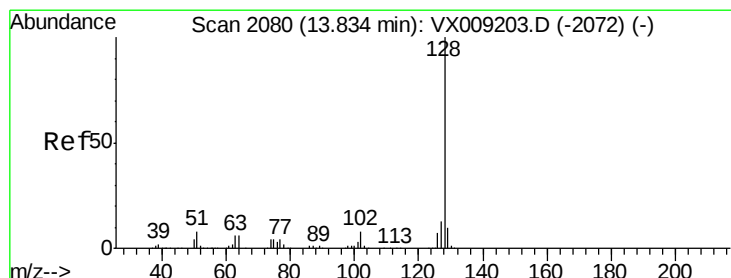
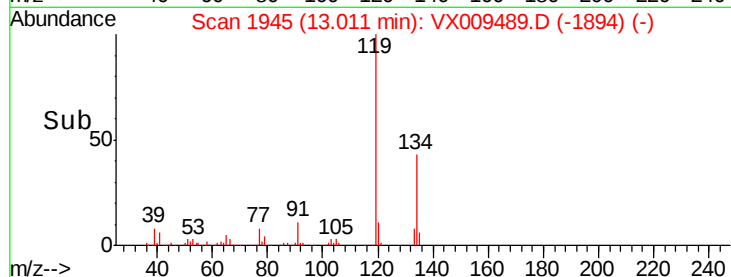
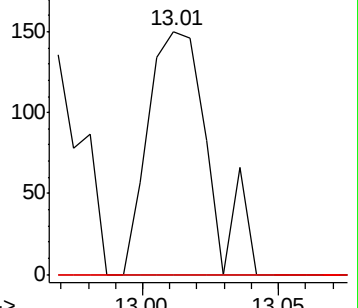
157 0.0 53.2 159.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 5.796 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

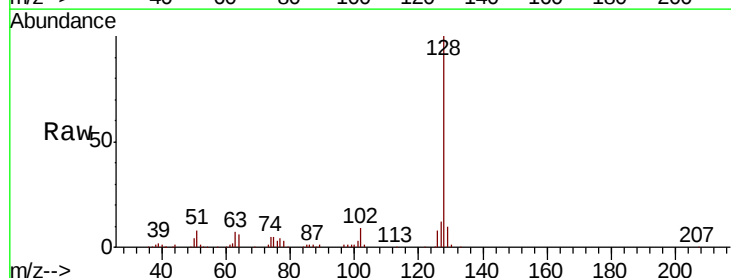
Tgt Ion: 128 Resp: 48723

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.3 8.6 13.0



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

