

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007780.D
 Acq On : 21 Dec 2018 08:14
 Operator : SY/AP
 Sample : J6389-05
 Misc : 4.58G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-0006-01

Quant Time: Dec 21 10:07:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

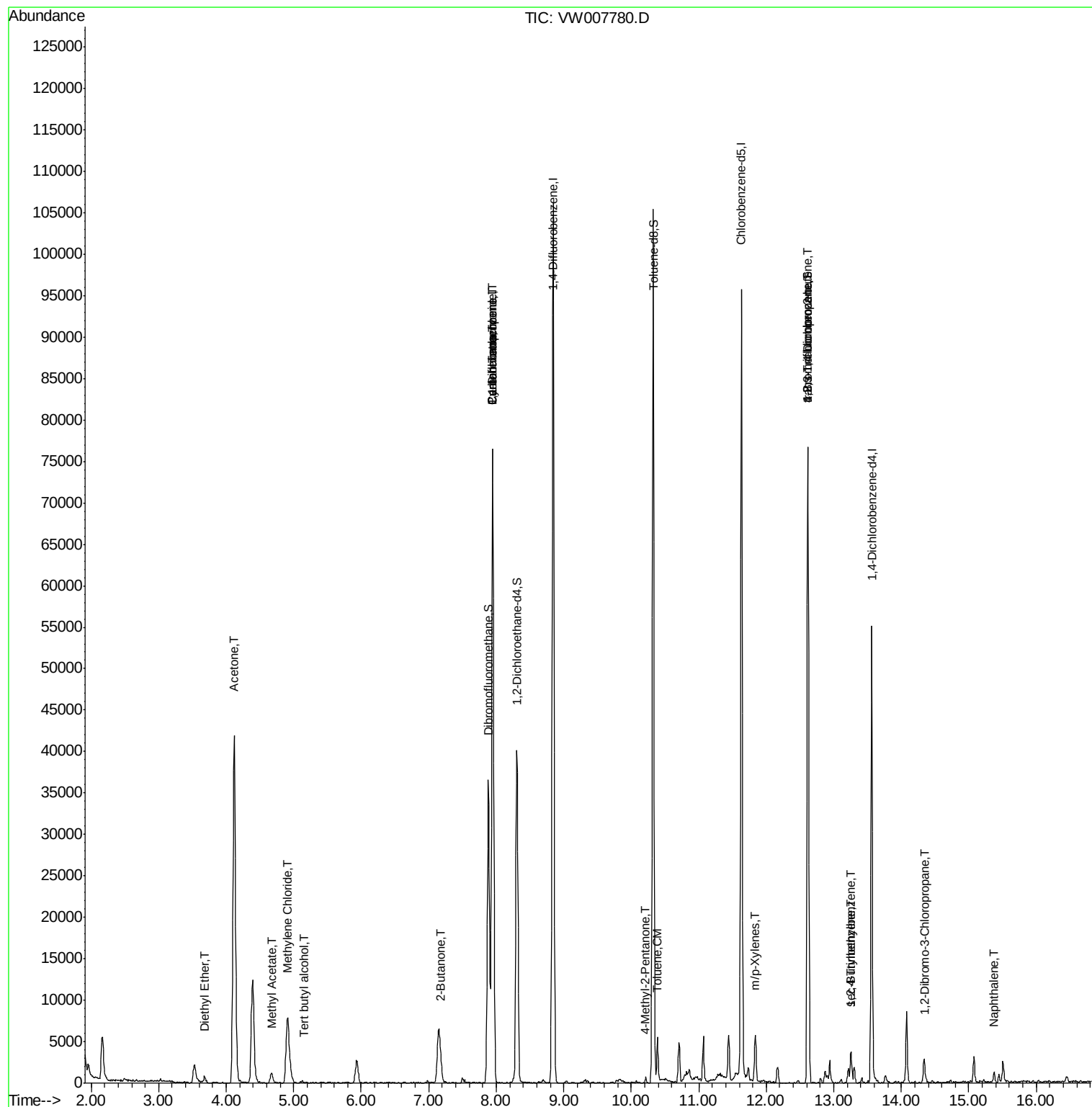
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	56551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	90292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14514	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	32586	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
35) Dibromofluoromethane	7.88	113	26874	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	
50) Toluene-d8	10.32	98	71199	34.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.58%	
62) 4-Bromofluorobenzene	12.62	95	17651	22.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	44.00%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	396	1.580	ug/l #	43
11) Tert butyl alcohol	5.16	59	78	1.865	ug/l #	73
16) Acetone	4.12	43	71258	613.933	ug/l	91
18) Methyl Acetate	4.67	43	2369	8.582	ug/l #	89
20) Methylene Chloride	4.91	84	7510	7.590	ug/l	97
25) 2-Butanone	7.18	43	4371	32.152	ug/l	94
31) Cyclohexane	7.94	56	1105	1.198	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	4271	4.901	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5838	5.688	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	341	1.197	ug/l	91
52) Toluene	10.39	92	2385	1.529	ug/l	90
68) m/p-Xylenes	11.84	106	1866	2.344	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	8768	78.160	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8768	164.064	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	2576	2.698	ug/l	98
85) sec-Butylbenzene	13.26	105	2576	2.251	ug/l #	56
92) 1,2-Dibromo-3-Chloropropan	14.34	75	404	11.959	ug/l #	3
95) Naphthalene	15.38	128	1531	2.669	ug/l #	93

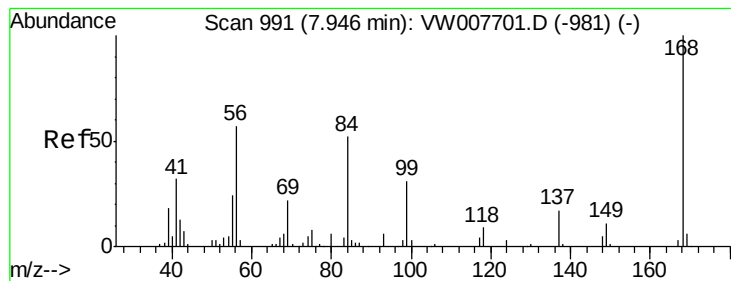
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122218\
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QLast Update : Thu Dec 20 06:30:23 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

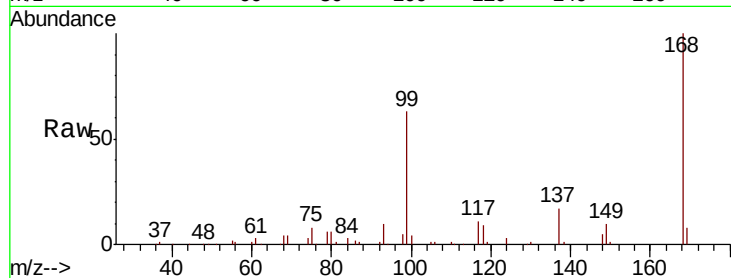
P001-SS013-0006-01

Tot Ion:168 Resp: 56551

Ion Ratio Lower Upper

168 100

99 63.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

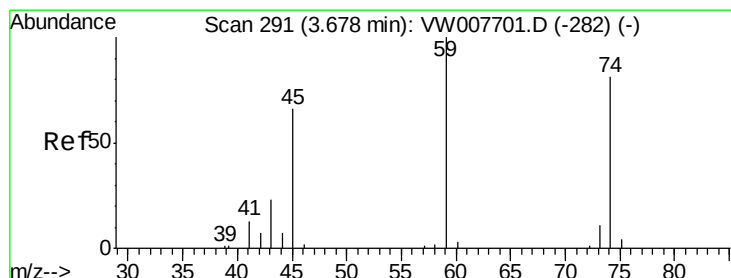
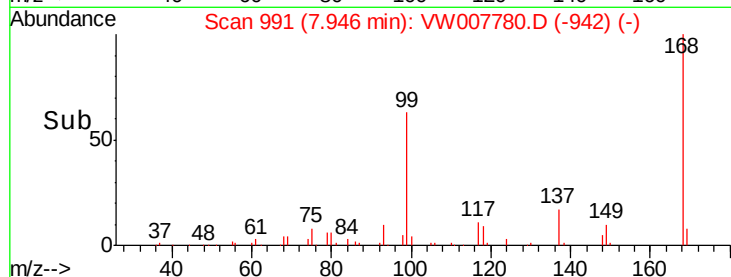
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.580 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW007780.D

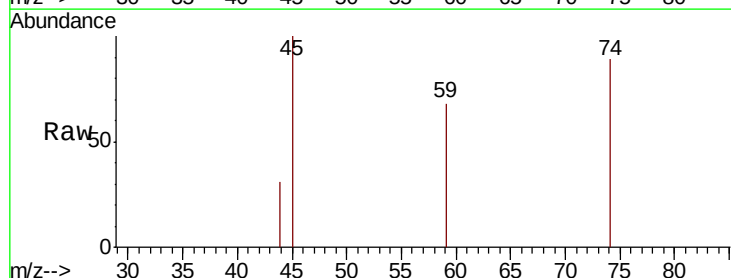
Acq: 21 Dec 2018 08:14

Tgt Ion: 74 Resp: 396

Ion Ratio Lower Upper

74 100

45 128.3 39.4 118.1#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

250

200

150

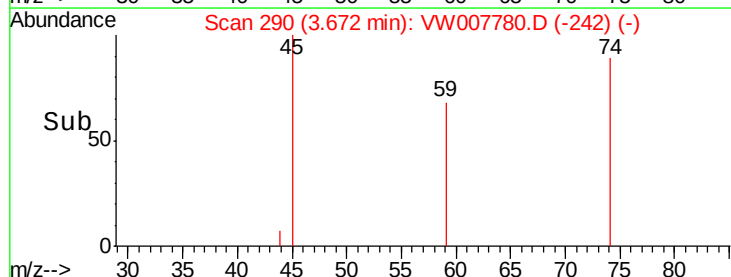
100

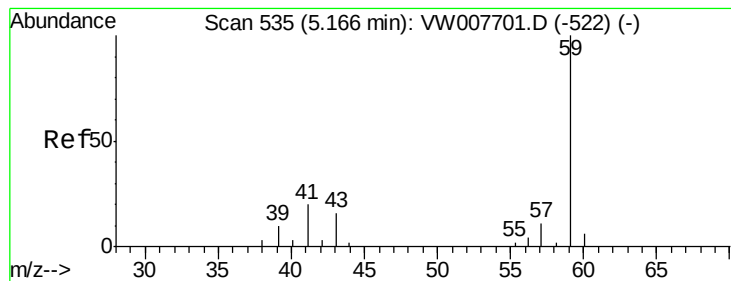
50

0

3.65 3.70

Time-->



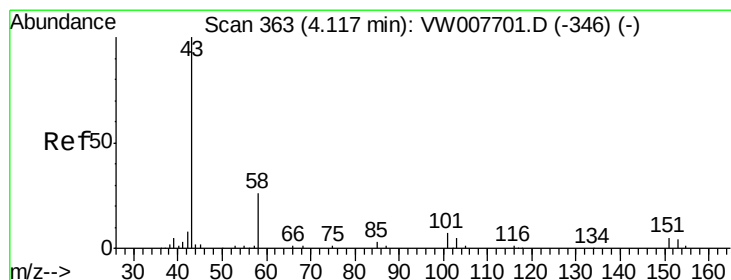
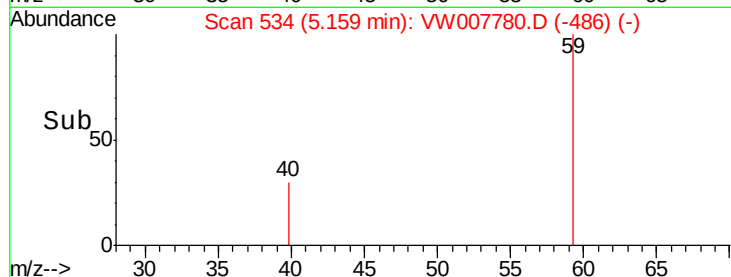
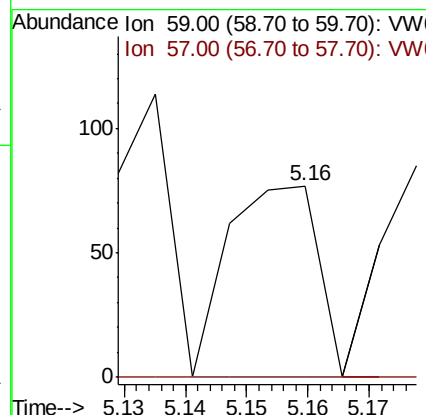
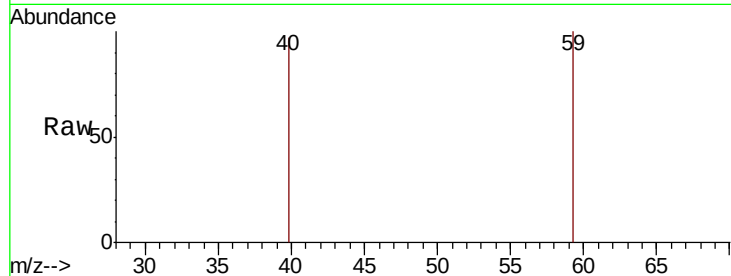


#11

Tert butyl alcohol
 Concen: 1.865 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007780.D
 Acq: 21 Dec 2018 08:14

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-0006-01

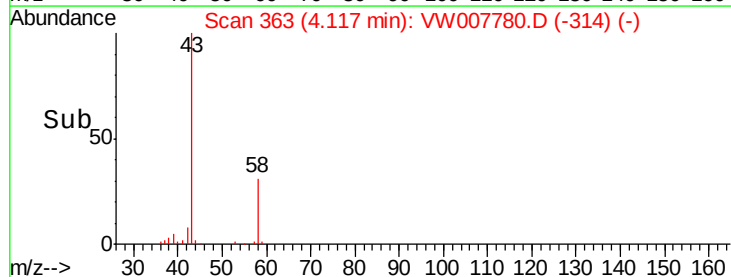
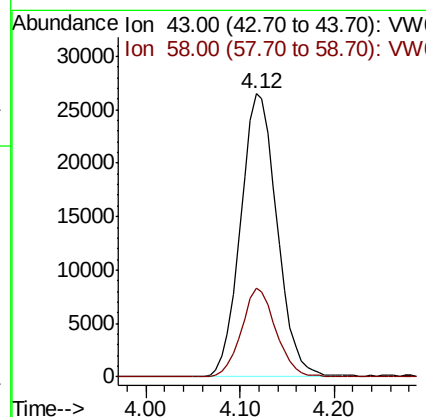
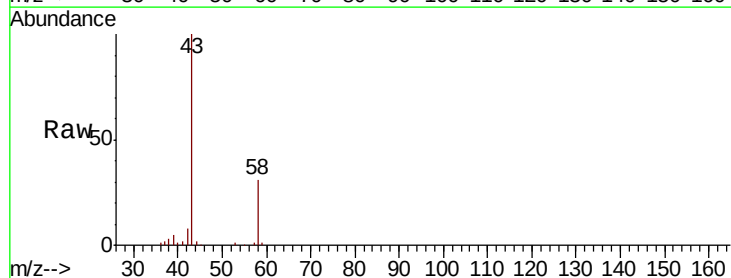
Tot Ion: 59 Resp: 78
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

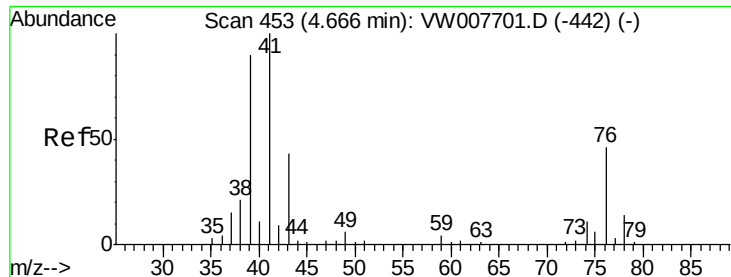


#16

Acetone
 Concen: 613.933 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007780.D
 Acq: 21 Dec 2018 08:14

Tgt Ion: 43 Resp: 71258
 Ion Ratio Lower Upper
 43 100
 58 31.3 21.2 31.8

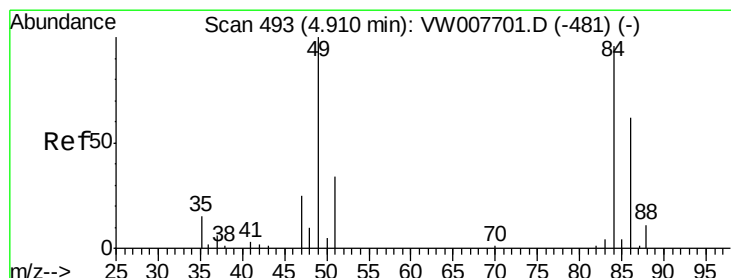
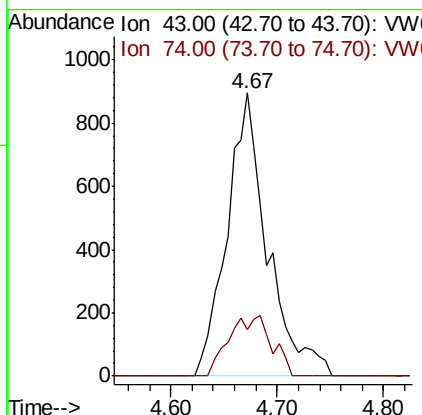
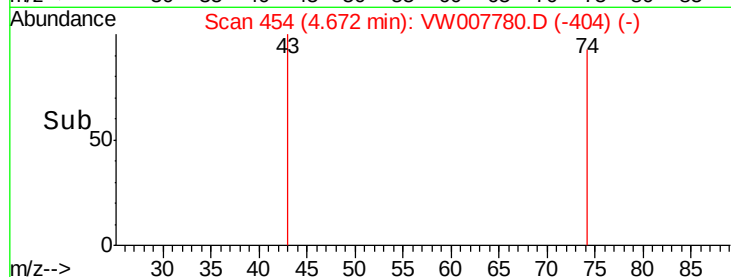
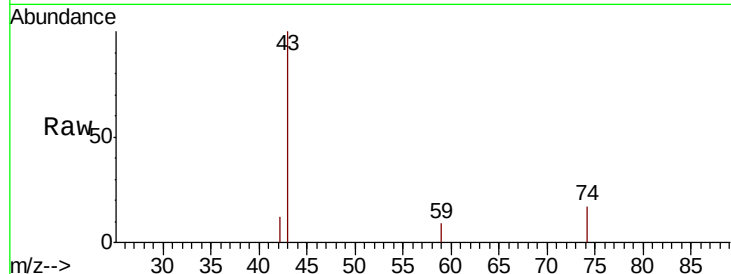




#18
Methyl Acetate
Concen: 8.582 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007780.D
Acq: 21 Dec 2018 08:14

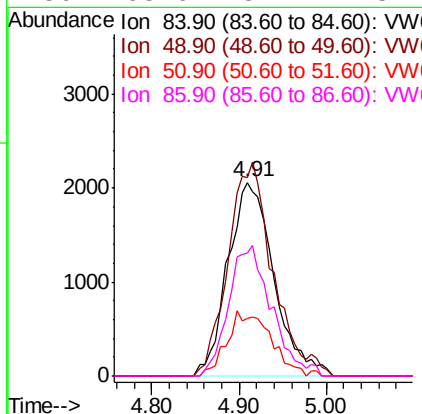
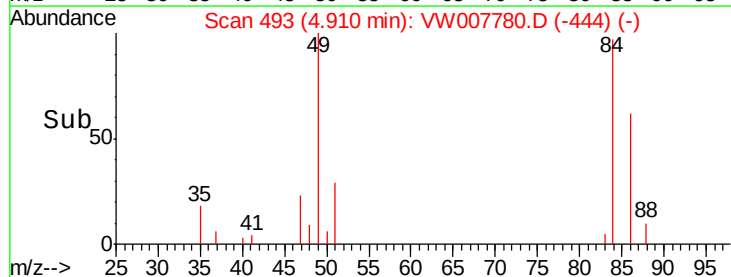
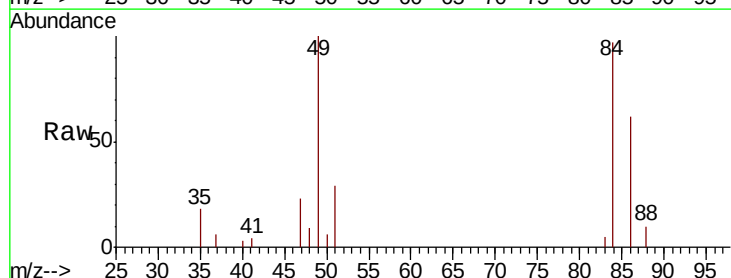
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-0006-01

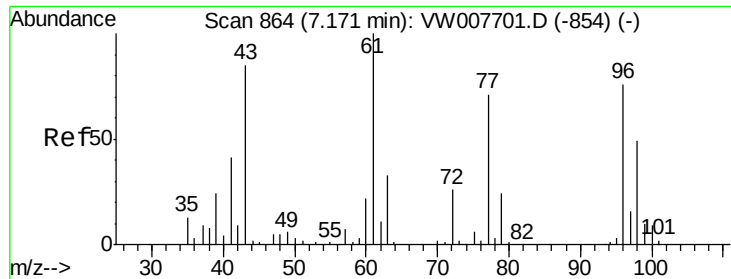
Tot Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
74 22.6 22.7 34.1#



#20
Methylene Chloride
Concen: 7.590 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007780.D
Acq: 21 Dec 2018 08:14

Tgt Ion: 84 Resp: 7510
Ion Ratio Lower Upper
84 100
49 102.8 83.7 125.5
51 30.0 28.2 42.2
86 63.6 52.2 78.2





#25

2-Butanone

Concen: 32.152 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

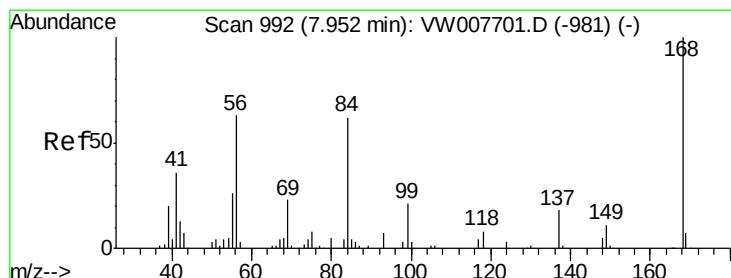
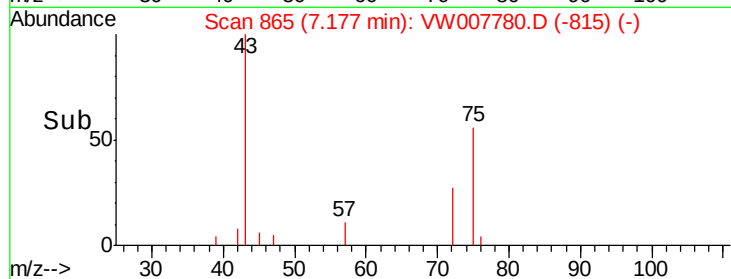
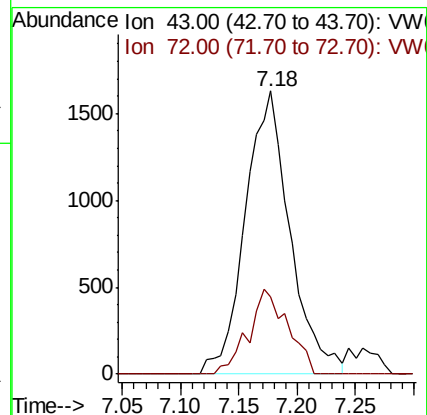
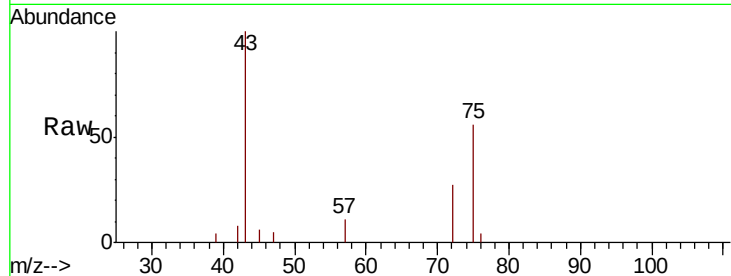
P001-SS013-0006-01

Tot Ion: 43 Resp: 4371

Ion Ratio Lower Upper

43 100

72 27.2 24.5 36.7



#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

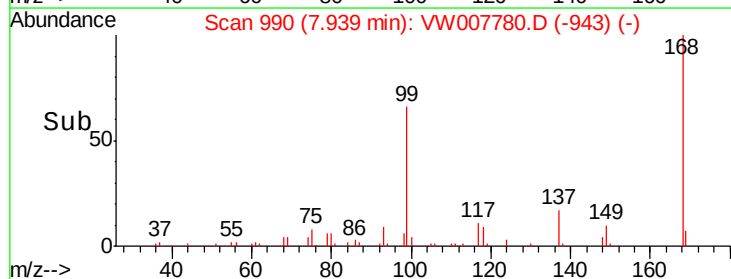
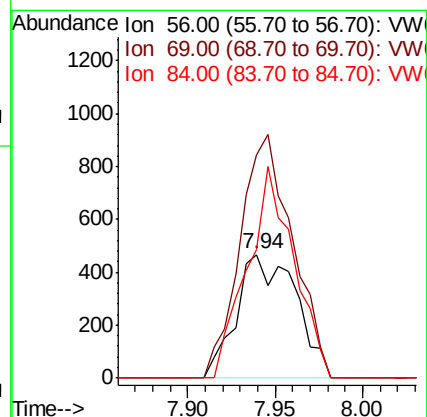
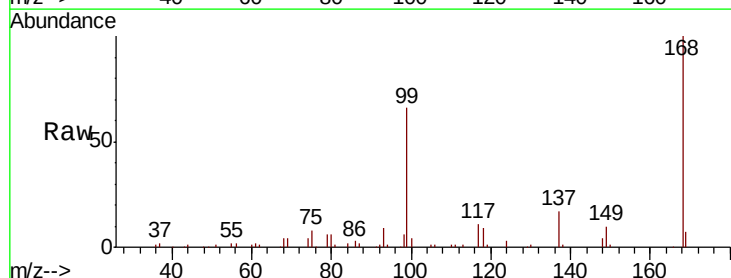
Tgt Ion: 56 Resp: 1105

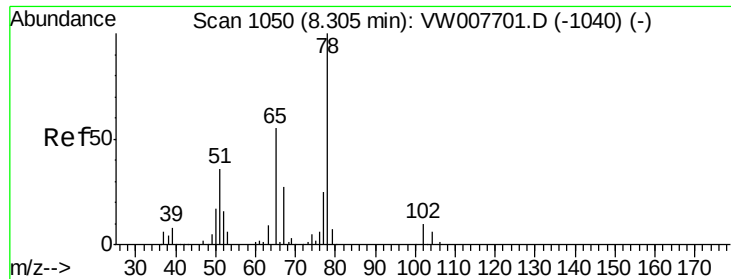
Ion Ratio Lower Upper

56 100

69 180.7 29.7 44.5#

84 103.9 78.9 118.3

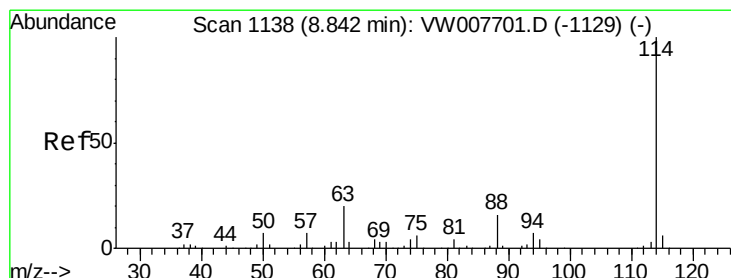
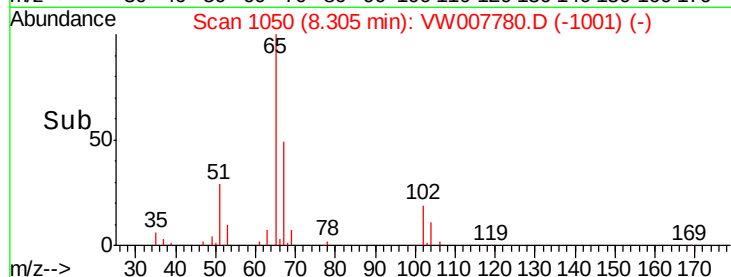
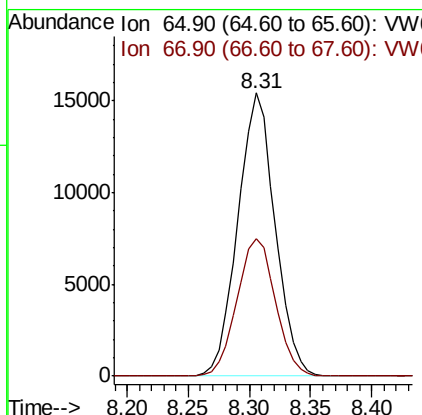
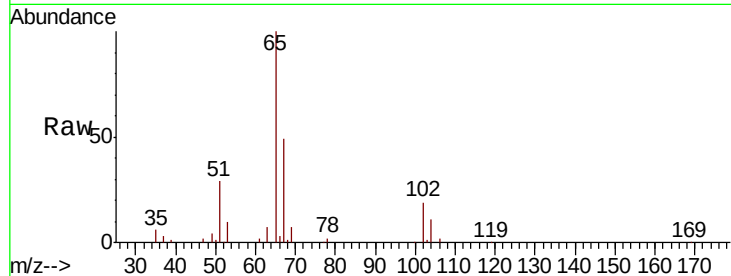




#33
 1,2-Dichloroethane-d4
 Concen: 52.573 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007780.D
 Acq: 21 Dec 2018 08:14

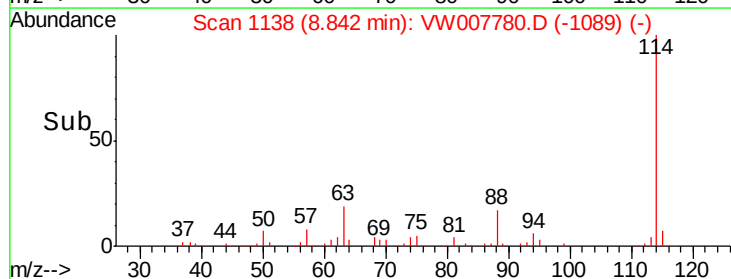
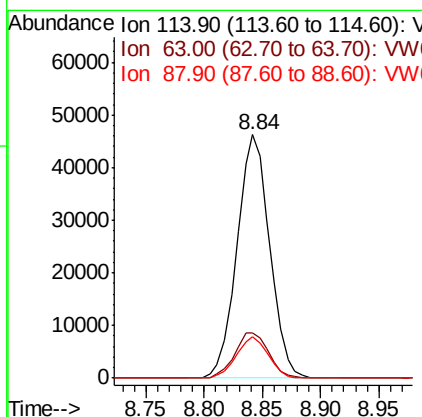
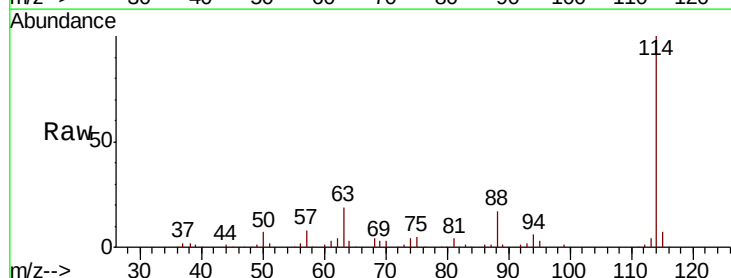
Instrument :
 MSVOA_W
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 P001-SS013-0006-01

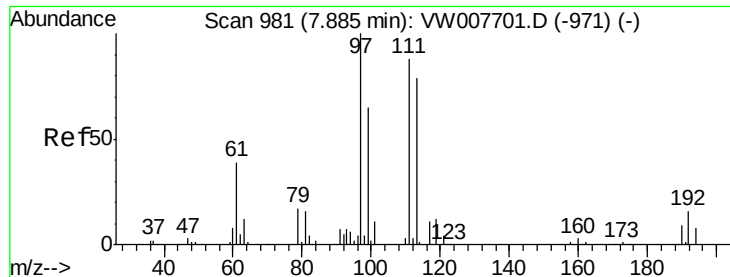
Tot Ion: 65 Resp: 32586
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007780.D
 Acq: 21 Dec 2018 08:14

Tgt Ion: 114 Resp: 90292
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.0
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.788 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-0006-01

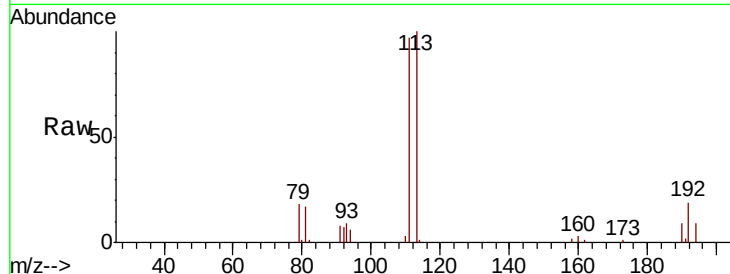
Tot Ion:113 Resp: 26874

Ion Ratio Lower Upper

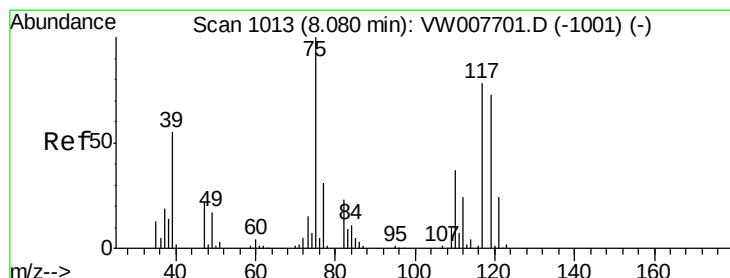
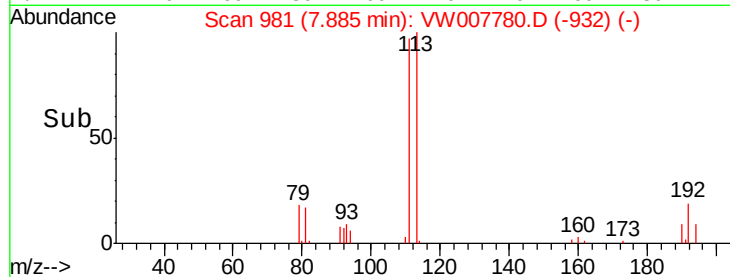
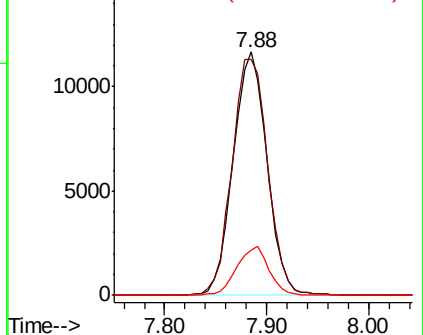
113 100

111 102.2 82.6 124.0

192 18.9 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

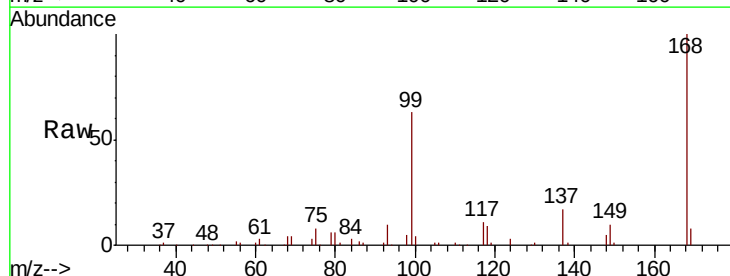
Tgt Ion: 75 Resp: 4271

Ion Ratio Lower Upper

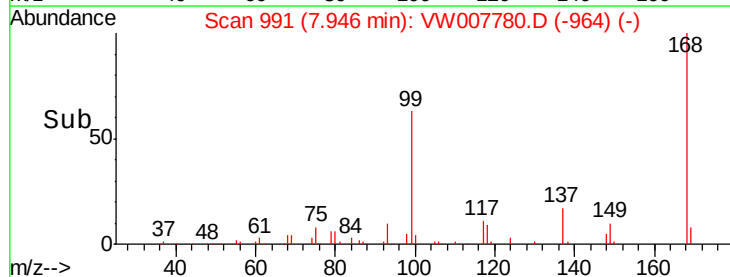
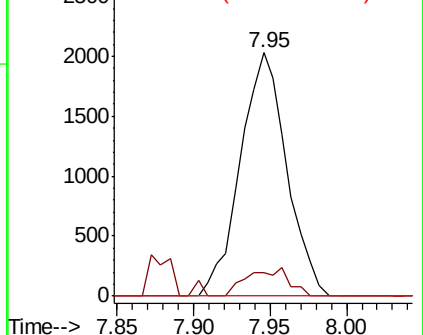
75 100

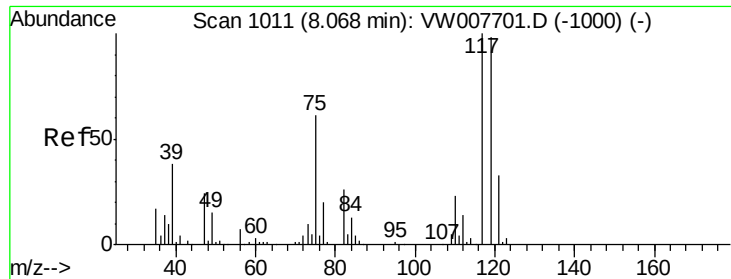
110 10.3 18.6 55.8#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

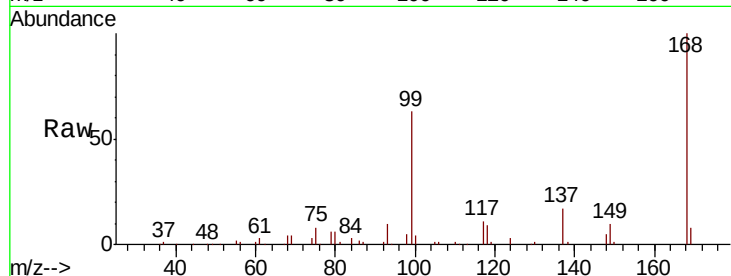




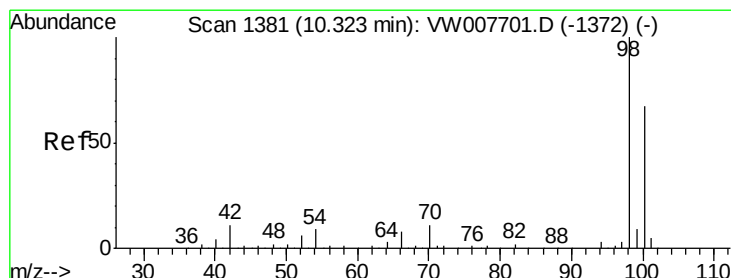
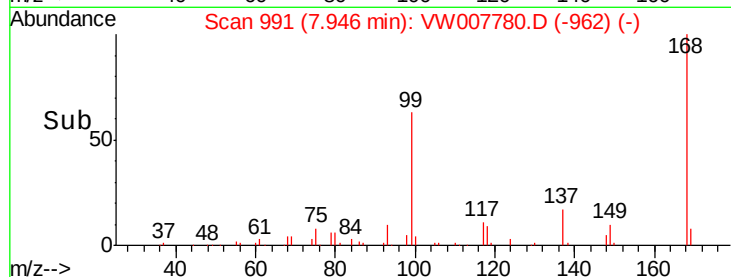
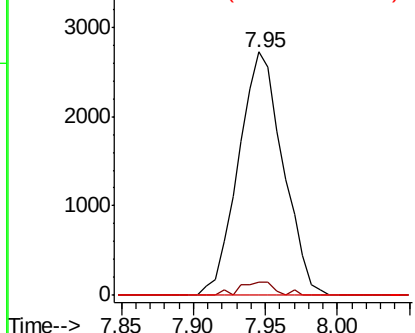
#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007780.D
Acq: 21 Dec 2018 08:14

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-0006-01

Tot Ion:117 Resp: 5838
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 26.1 39.1#

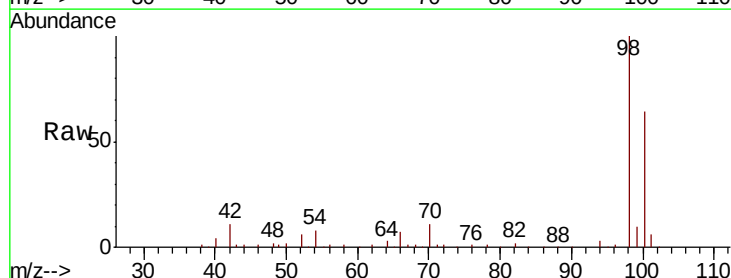


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

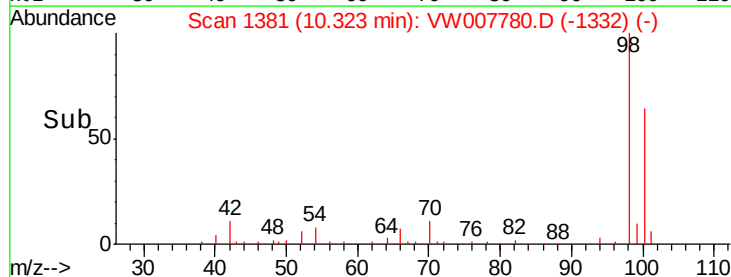
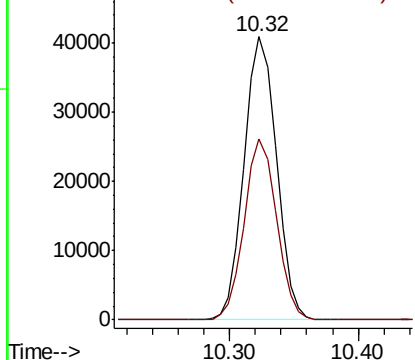


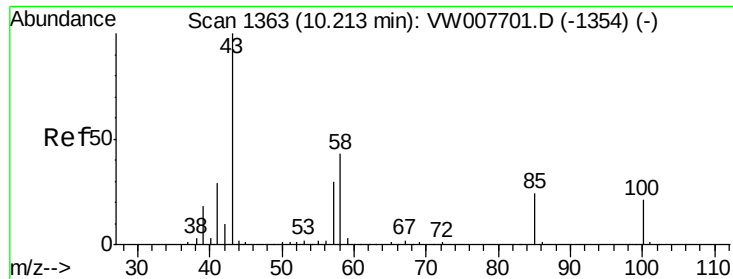
#50
Toluene-d8
Concen: 34.287 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007780.D
Acq: 21 Dec 2018 08:14

Tgt Ion: 98 Resp: 71199
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.197 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

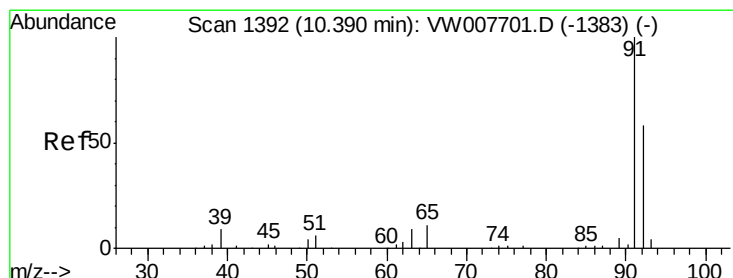
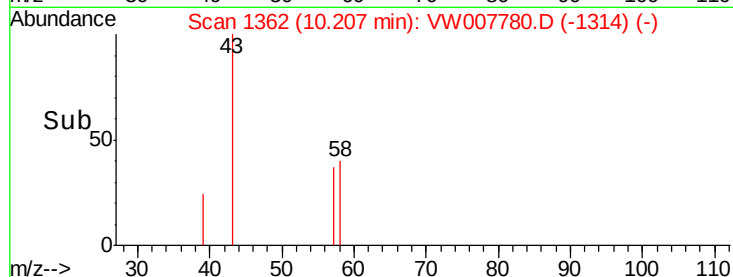
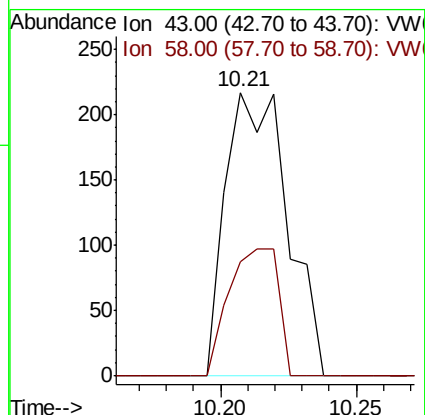
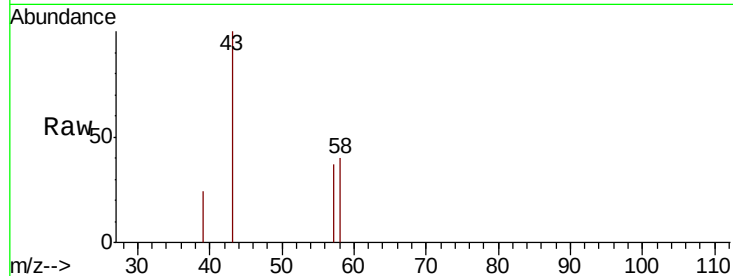
P001-SS013-0006-01

Tot Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

58 36.1 33.2 49.8



#52

Toluene

Concen: 1.529 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007780.D

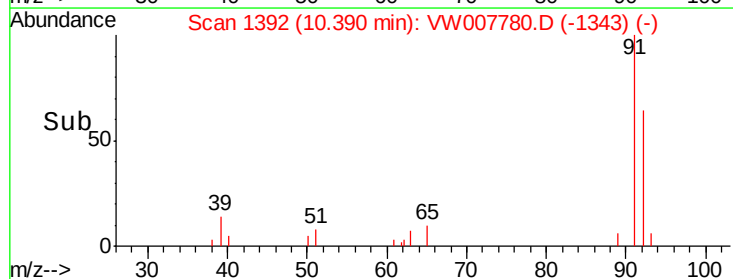
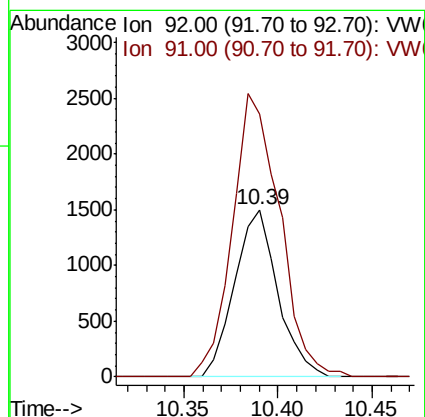
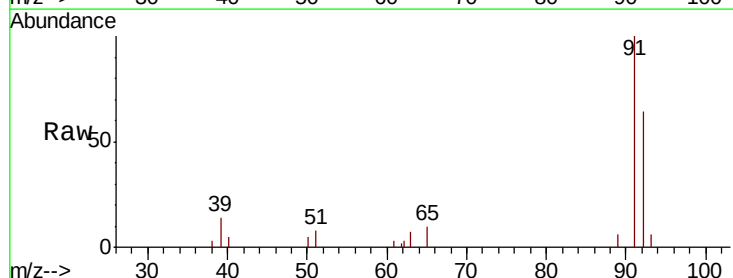
Acq: 21 Dec 2018 08:14

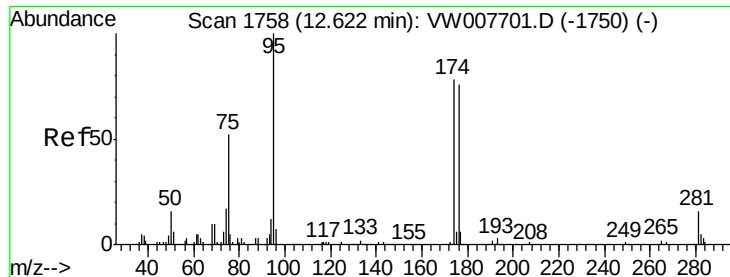
Tgt Ion: 92 Resp: 2385

Ion Ratio Lower Upper

92 100

91 184.9 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 22.003 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-0006-01

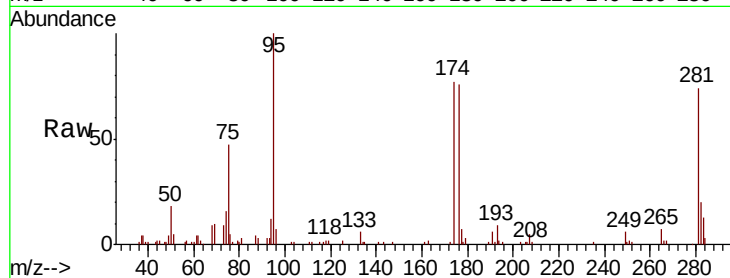
Tot Ion: 95 Resp: 17651

Ion Ratio Lower Upper

95 100

174 72.9 0.0 152.2

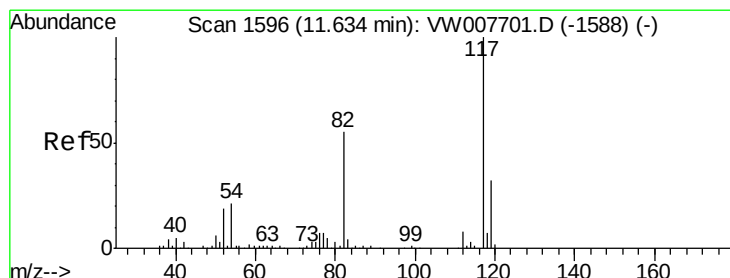
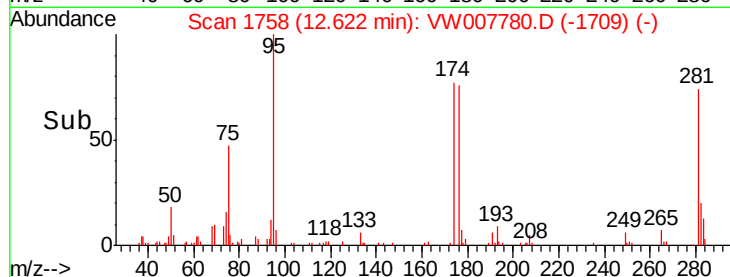
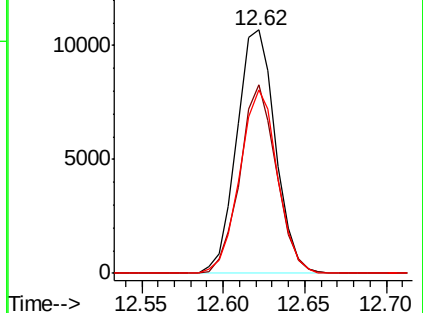
176 73.2 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW007701.D (-1750) (-)

Ion 173.80 (173.50 to 174.50): VW007701.D (-1750) (-)

Ion 175.80 (175.50 to 176.50): VW007701.D (-1750) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

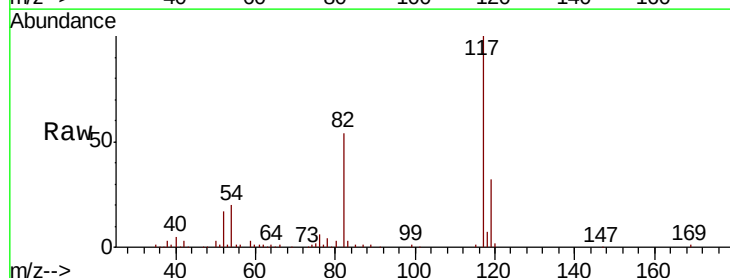
Tgt Ion: 117 Resp: 55251

Ion Ratio Lower Upper

117 100

82 53.6 44.3 66.5

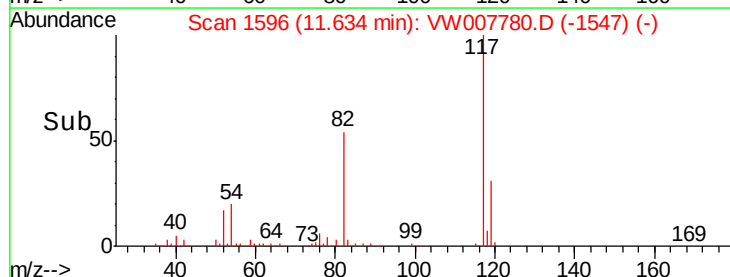
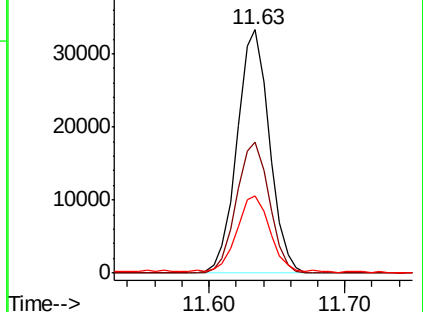
119 31.3 25.7 38.5

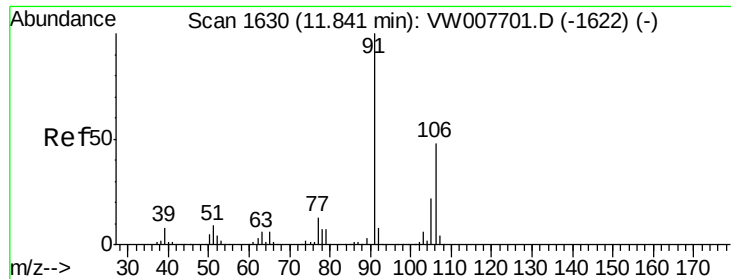


Abundance Ion 116.90 (116.60 to 117.60): VW007701.D (-1588) (-)

Ion 82.00 (81.70 to 82.70): VW007701.D (-1588) (-)

Ion 118.90 (118.60 to 119.60): VW007701.D (-1588) (-)





#68

m/p-Xylenes

Concen: 2.344 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

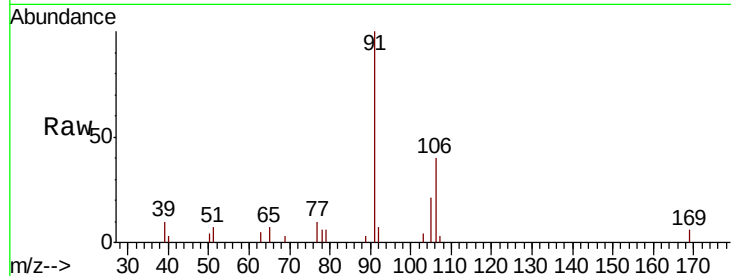
P001-SS013-0006-01

Tot Ion:106 Resp: 1866

Ion Ratio Lower Upper

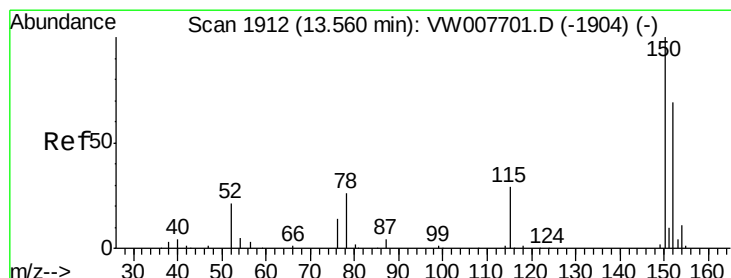
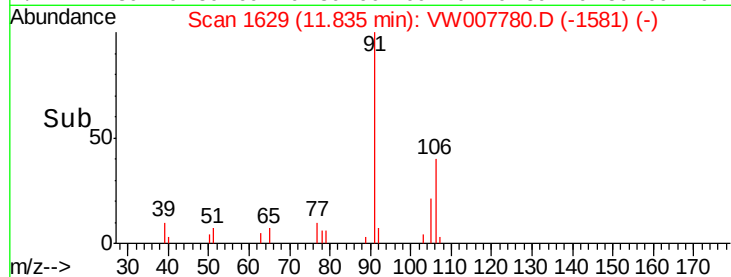
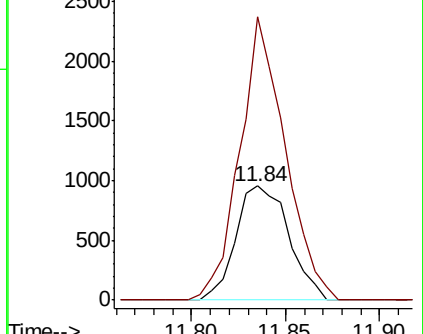
106 100

91 212.8 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

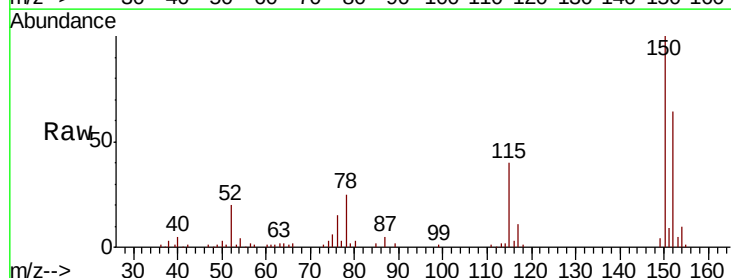
Tgt Ion:152 Resp: 14514

Ion Ratio Lower Upper

152 100

115 60.5 31.8 95.4

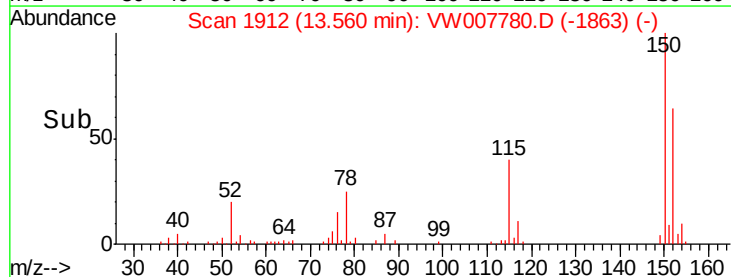
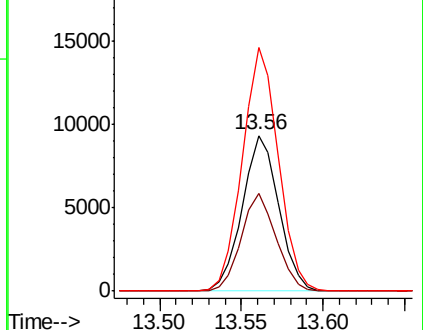
150 154.3 0.0 350.8

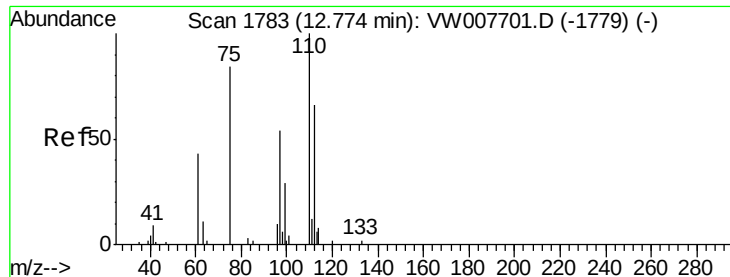


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 78.160 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.16 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

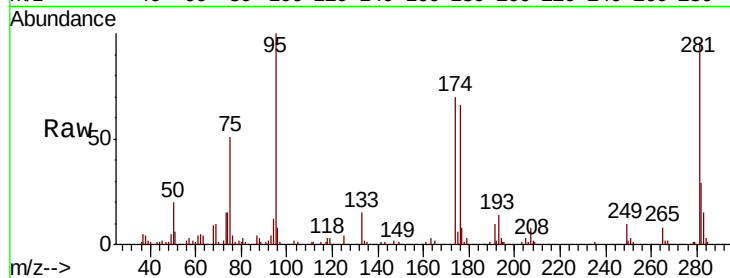
P001-SS013-0006-01

Tot Ion: 75 Resp: 8768

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

6000

5000

4000

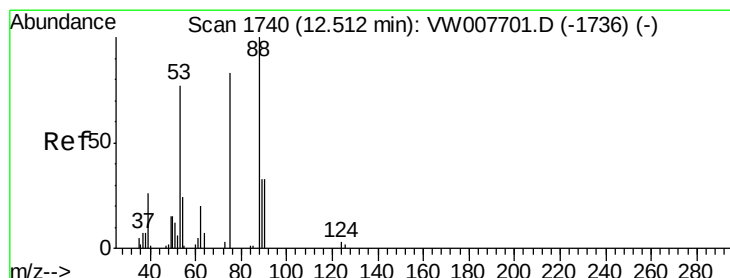
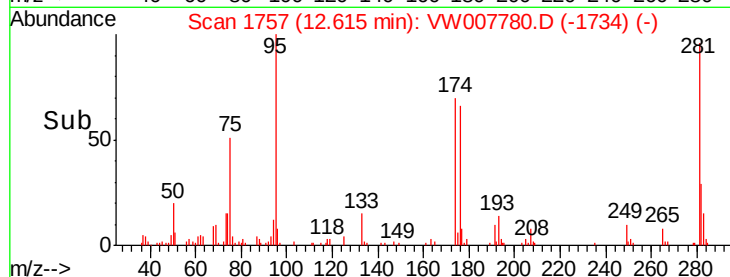
3000

2000

1000

0

Time--> 12.55 12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 164.064 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

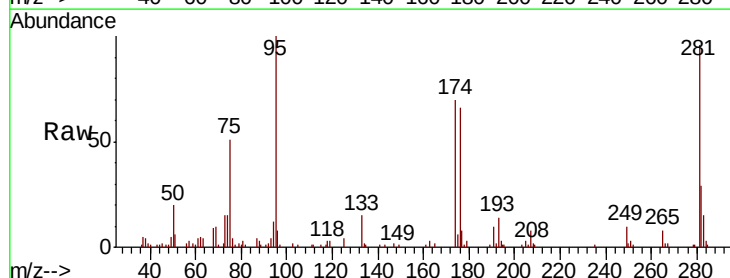
Tgt Ion: 75 Resp: 8768

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 1.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

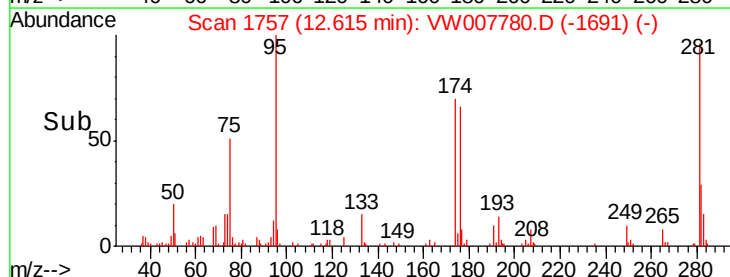
6000

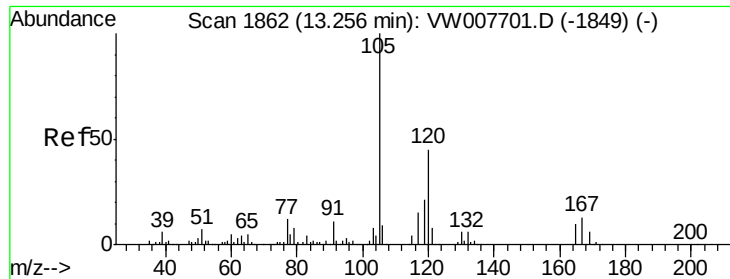
4000

2000

0

Time--> 12.55 12.60 12.65

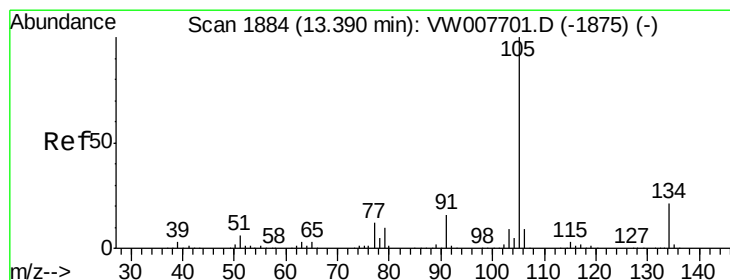
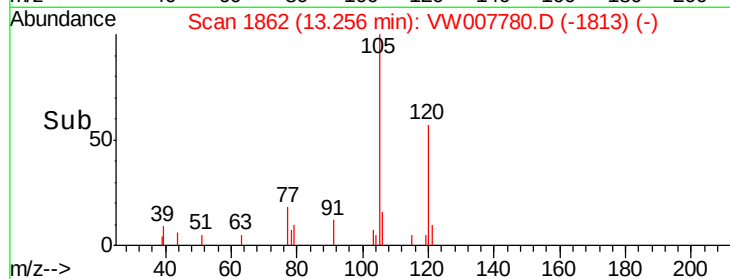
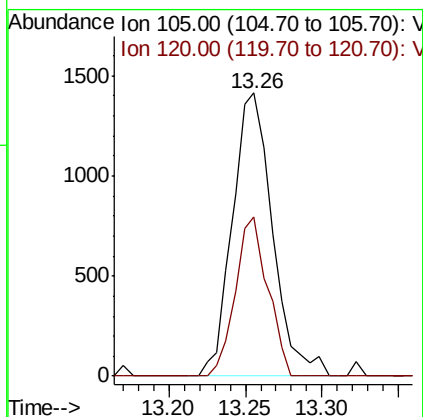
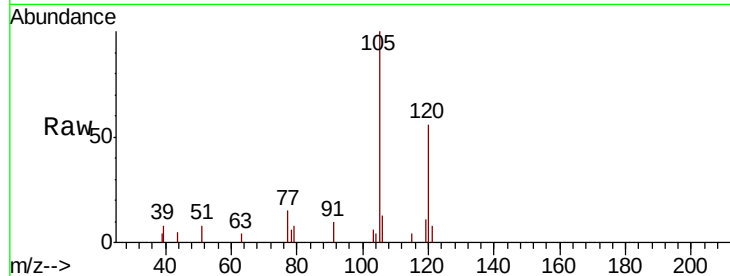




#84
1,2,4-Trimethylbenzene
Concen: 2.698 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007780.D
Acq: 21 Dec 2018 08:14

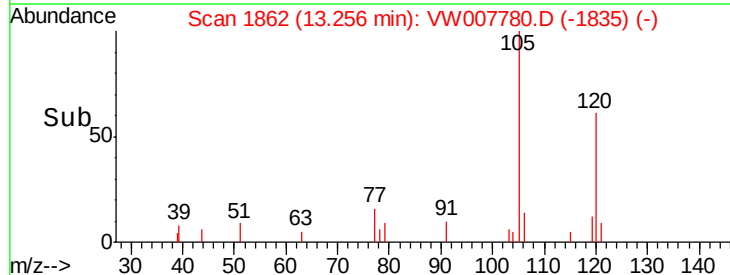
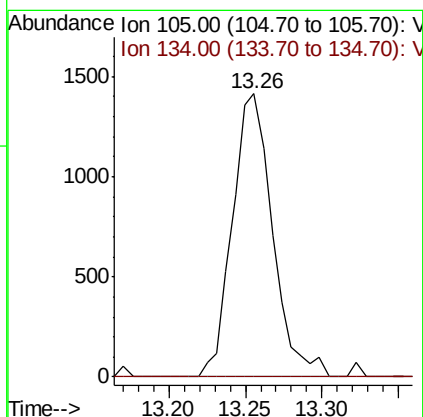
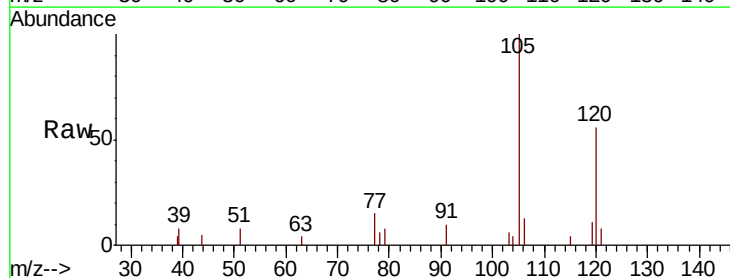
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-0006-01

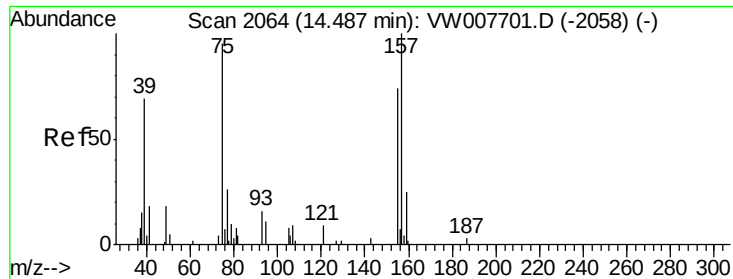
Tot Ion:105 Resp: 2576
Ion Ratio Lower Upper
105 100
120 45.5 22.0 66.0



#85
sec-Butylbenzene
Concen: 2.251 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW007780.D
Acq: 21 Dec 2018 08:14

Tgt Ion:105 Resp: 2576
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 11.959 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-0006-01

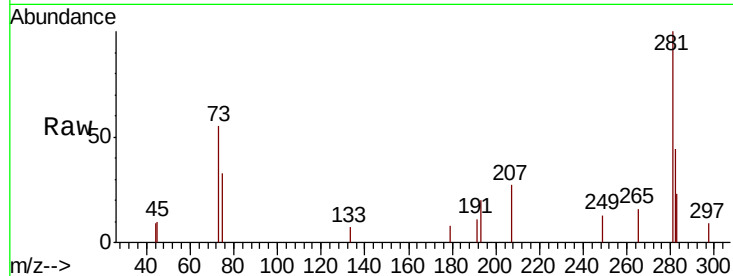
Tot Ion: 75 Resp: 404

Ion Ratio Lower Upper

75 100

155 0.0 39.4 118.1#

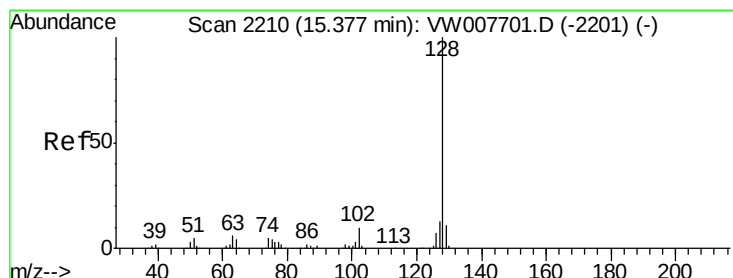
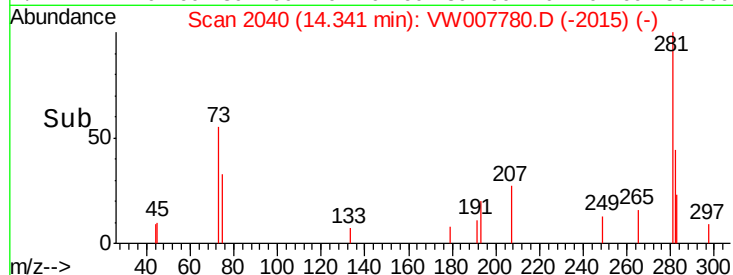
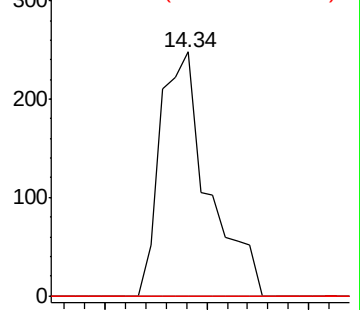
157 0.0 52.0 156.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 2.669 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007780.D

Acq: 21 Dec 2018 08:14

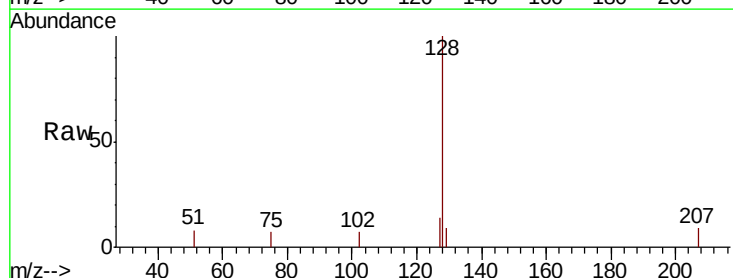
Tgt Ion: 128 Resp: 1531

Ion Ratio Lower Upper

128 100

127 9.9 10.7 16.1#

129 8.9 8.8 13.2



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

