

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007586.D
 Acq On : 15 Dec 2018 17:01
 Operator : SY/AP
 Sample : J6353-10
 Misc : 4.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0002-01

Quant Time: Dec 15 20:25:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.95
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.84
63) Chlorobenzene-d5	11.64	117	19	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	25	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.13	98	148	0.00	ug/l	-0.19
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.62	95	72	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	

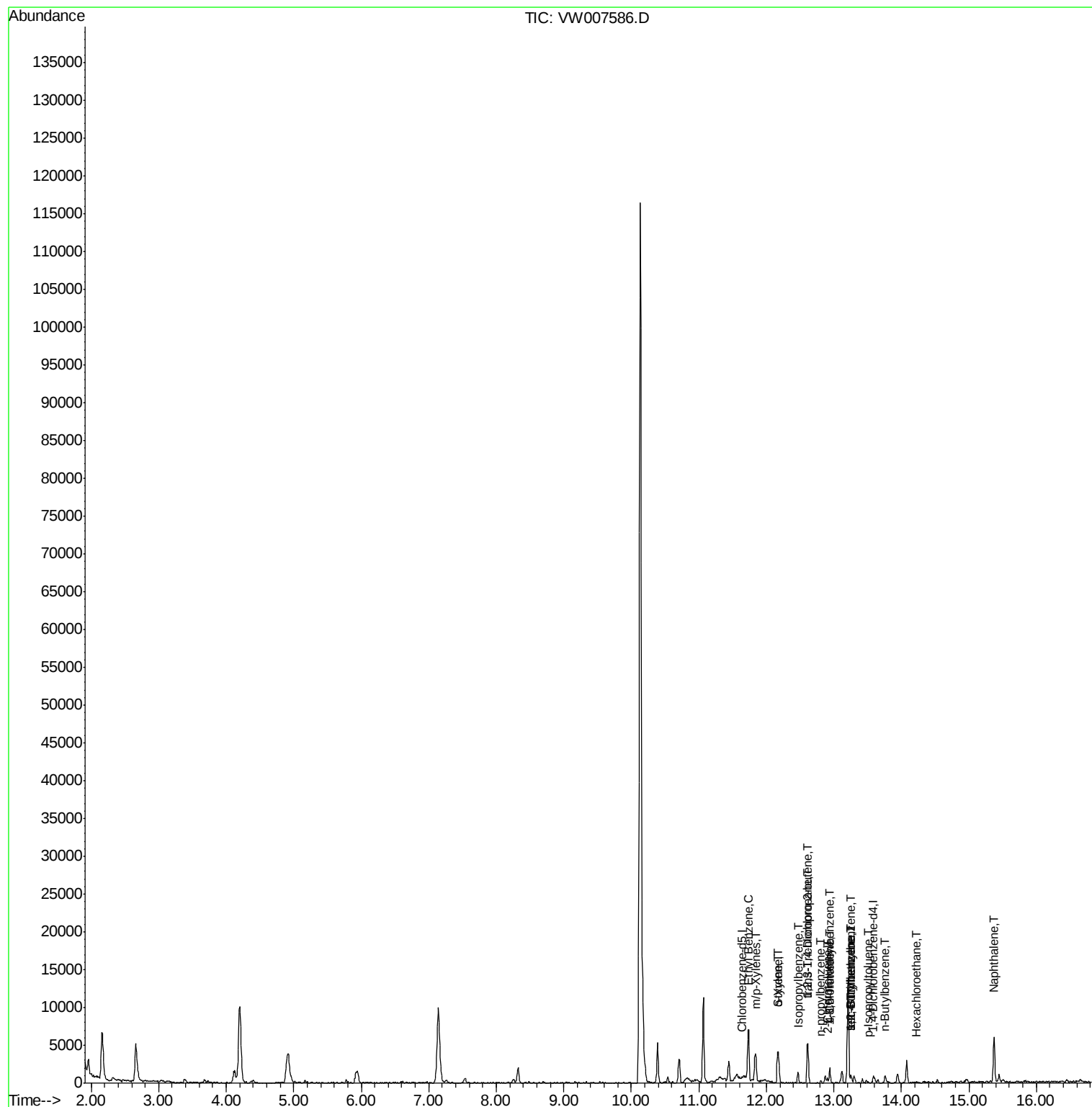
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	11.74	91	5118	7516.863	ug/l #	82
68) m/p-Xylenes	11.85	106	1350	5100.262	ug/l	94
69) o-Xylene	12.17	106	954	3859.144	ug/l	99
70) Styrene	12.18	104	1018	2549.534	ug/l #	82
73) Isopropylbenzene	12.46	105	678	353.936	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	45	218.307	ug/l #	1
78) n-propylbenzene	12.81	91	333	154.465	ug/l #	52
79) 2-Chlorotoluene	12.90	91	48	36.797	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.95	105	698	433.655	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	45	482.241	ug/l #	7
82) 4-Chlorotoluene	12.94	91	25	18.182	ug/l #	43
83) tert-Butylbenzene	13.26	119	63	44.421	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.25	105	901	543.972	ug/l	99
85) sec-Butylbenzene	13.25	105	901	465.369	ug/l #	54
86) p-Isopropyltoluene	13.51	119	192	110.387	ug/l #	50
89) n-Butylbenzene	13.76	91	80	49.614	ug/l #	34
90) Hexachloroethane	14.22	117	29	93.706	ug/l #	14
95) Naphthalene	15.37	128	5733	5742.940	ug/l	100

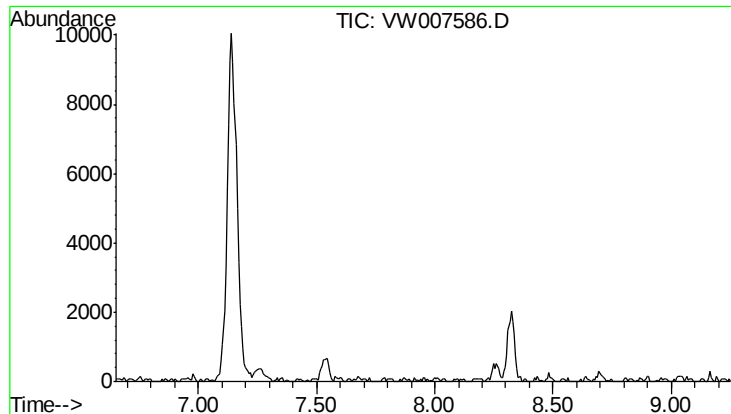
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.95 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Tgt Ion: 168

Sig Exp Ratio

168 100

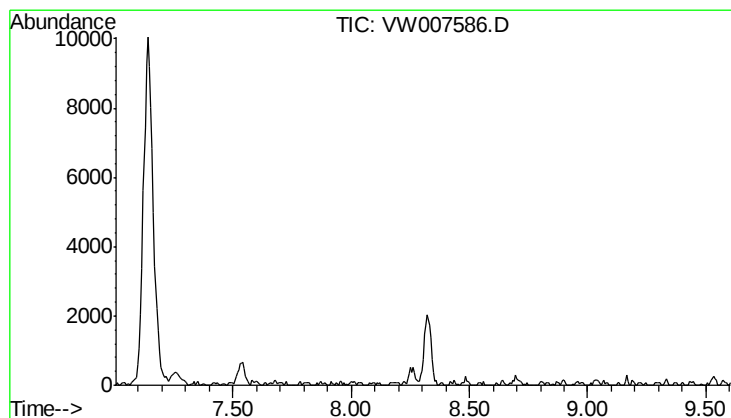
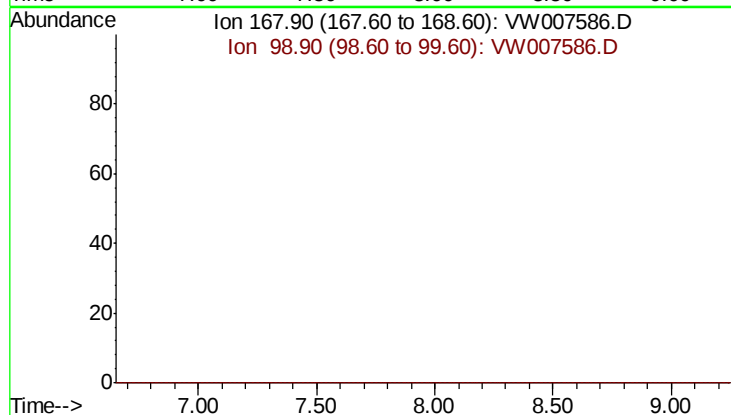
99 60.4

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0002-01



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.31 min

Lab File: VW007586.D

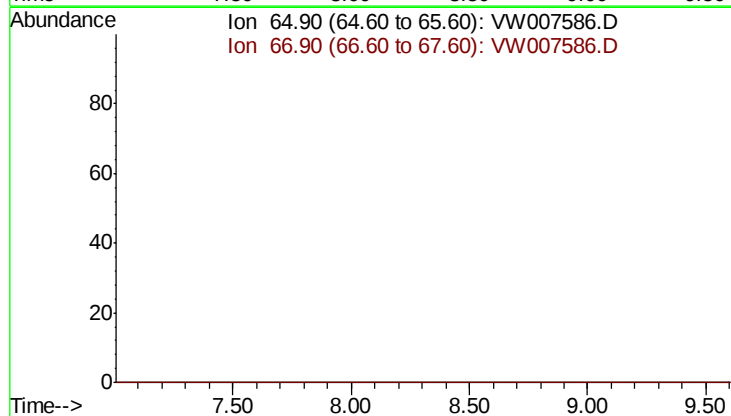
Acq: 15 Dec 2018 17:01

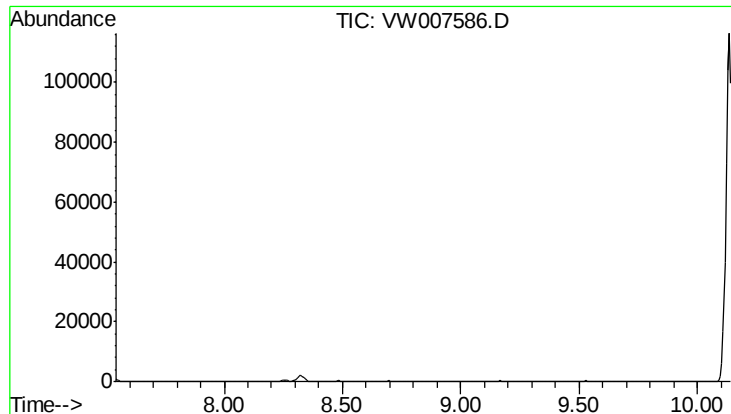
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.8





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.84 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0002-01

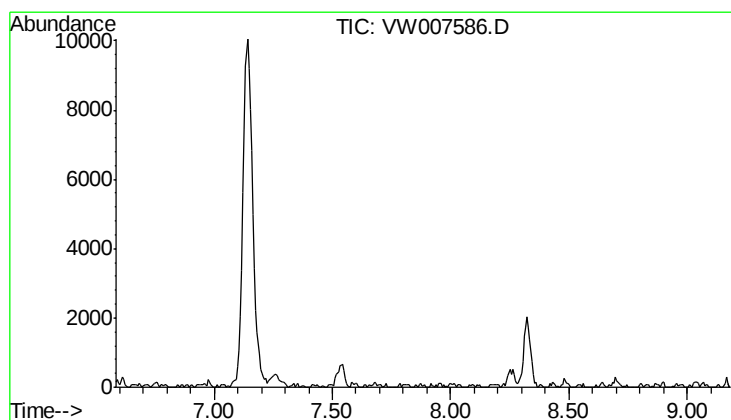
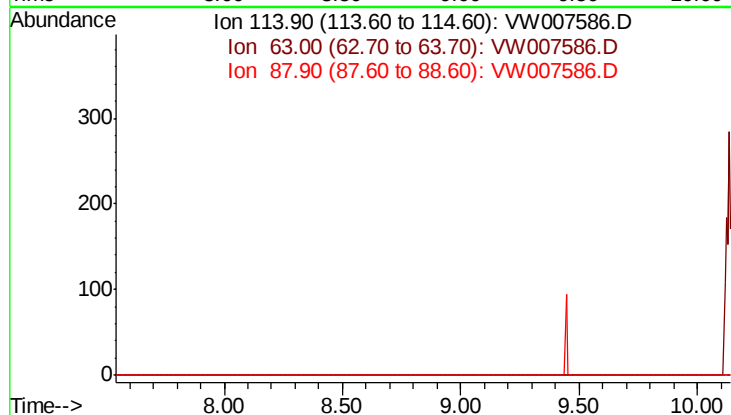
Tgt Ion: 114

Sig Exp Ratio

114 100

63 19.8

88 15.7



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.88 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

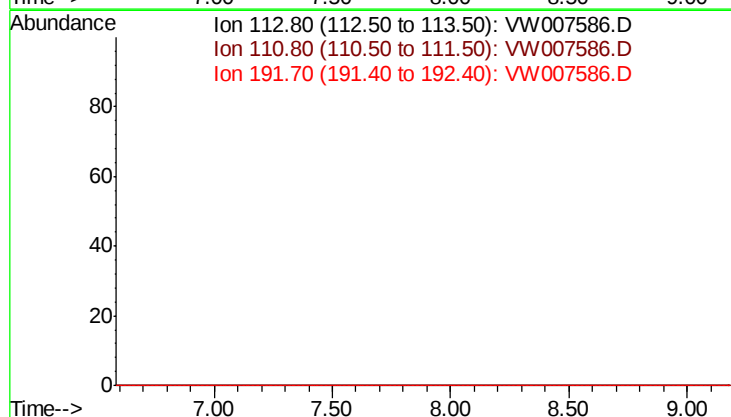
Tgt Ion: 113

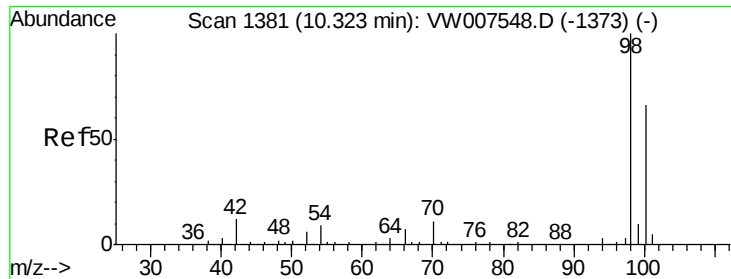
Sig Exp Ratio

113 100

111 101.4

192 18.2





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.13 min Scan# 1350

Delta R.T. -0.19 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

MSVOA_W

ClientSampleId :

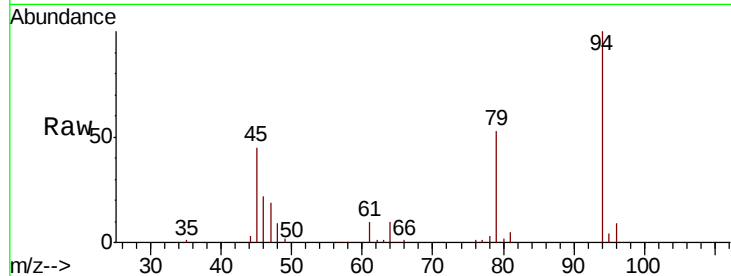
P001-SS007-0002-01

Tgt Ion: 98 Resp: 148

Ion Ratio Lower Upper

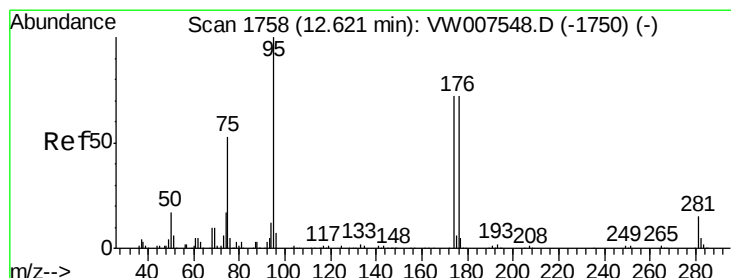
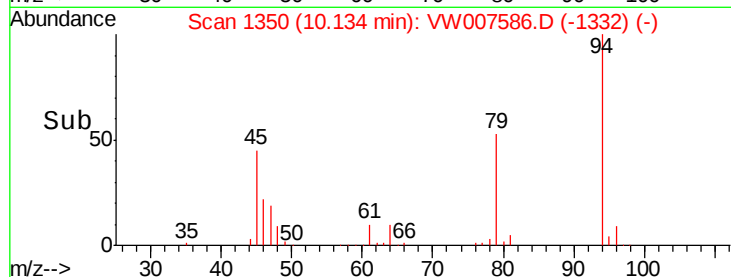
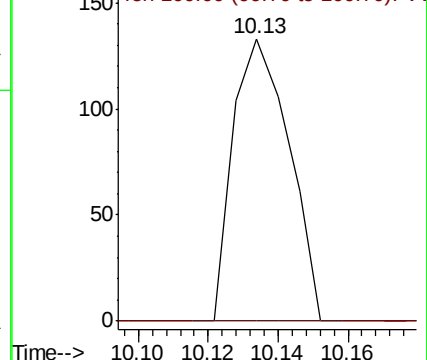
98 100

100 0.0 51.8 77.8#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

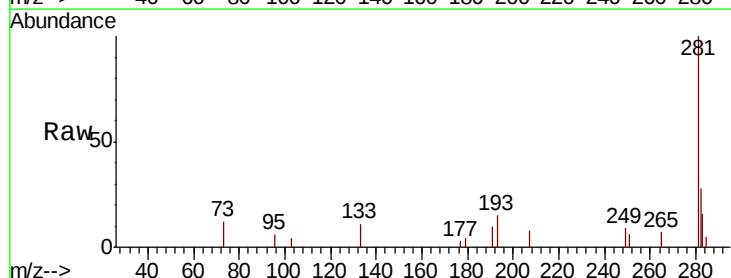
Tgt Ion: 95 Resp: 72

Ion Ratio Lower Upper

95 100

174 0.0 0.0 147.2

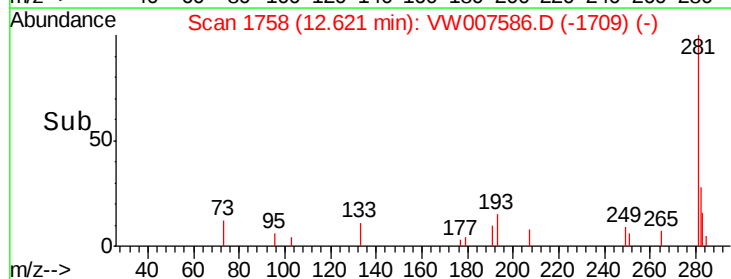
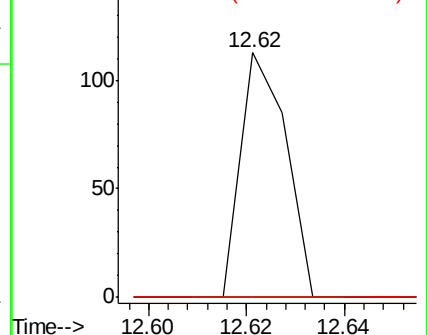
176 0.0 0.0 138.8

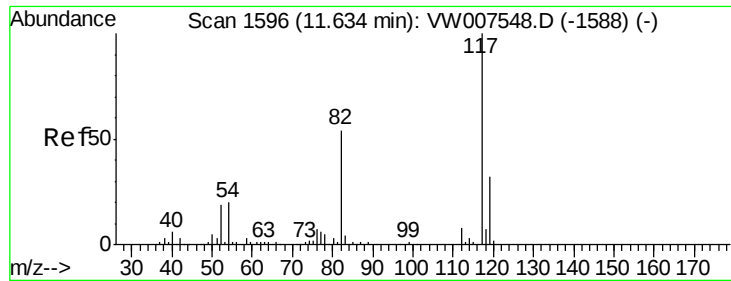


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

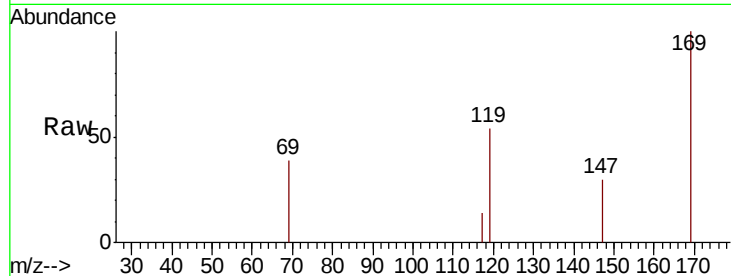




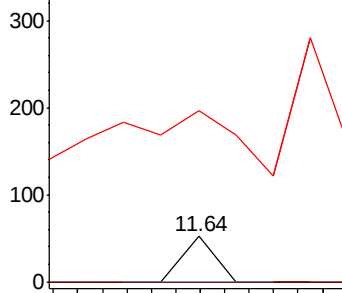
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0002-01

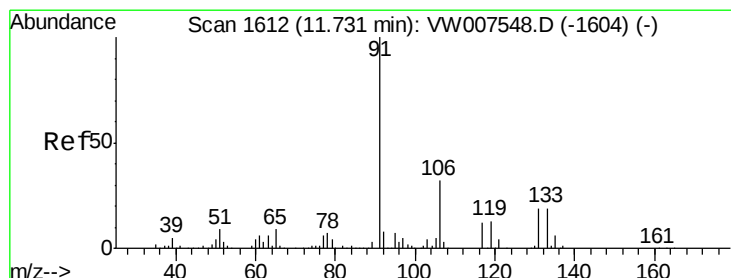
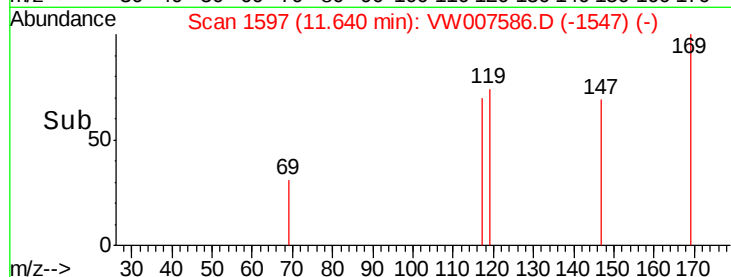
Tgt Ion: 117 Resp: 19
Ion Ratio Lower Upper
117 100
82 0.0 42.3 63.5#
119 146.2 23.0 34.6#



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

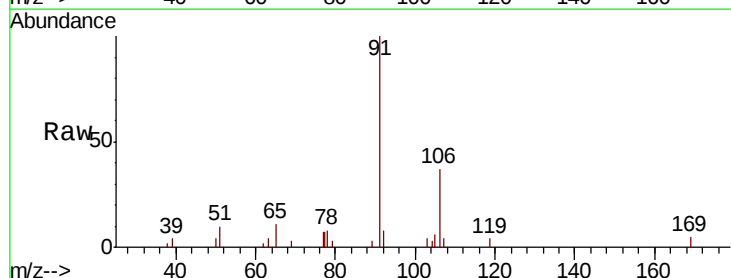


Time-->

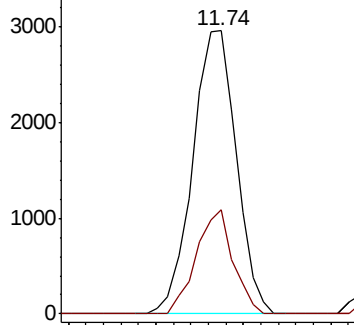


#67
Ethyl Benzene
Concen: 7516.863 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

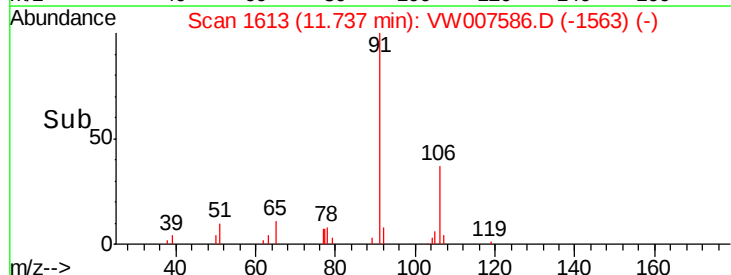
Tgt Ion: 91 Resp: 5118
Ion Ratio Lower Upper
91 100
106 36.9 21.8 32.8#

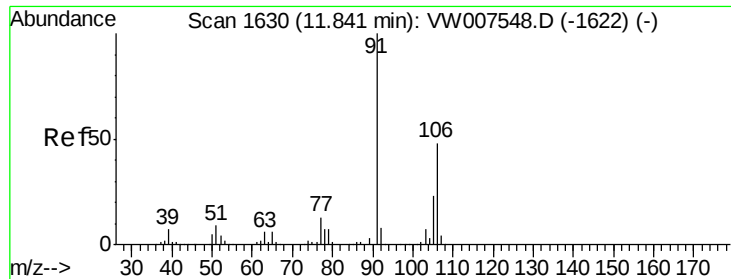


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V



Time-->

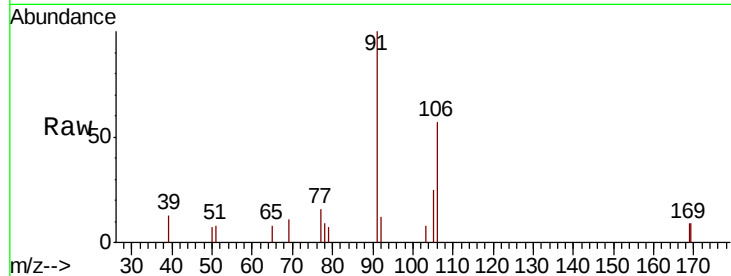




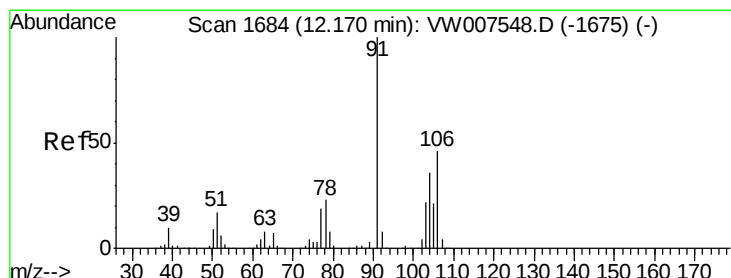
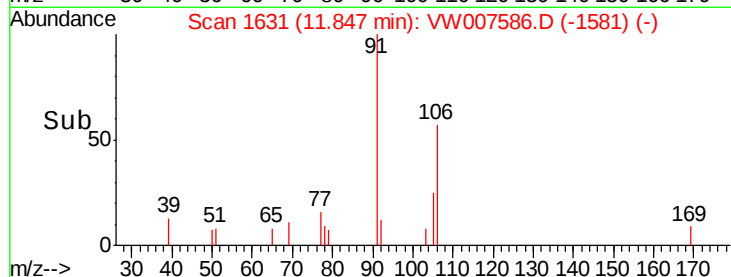
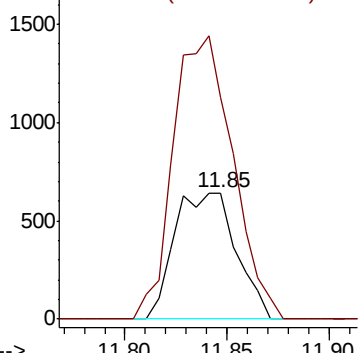
#68
m/p-Xylenes
Concen: 5100.262 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0002-01

Tgt Ion:106 Resp: 1350
Ion Ratio Lower Upper
106 100
91 215.9 165.3 247.9

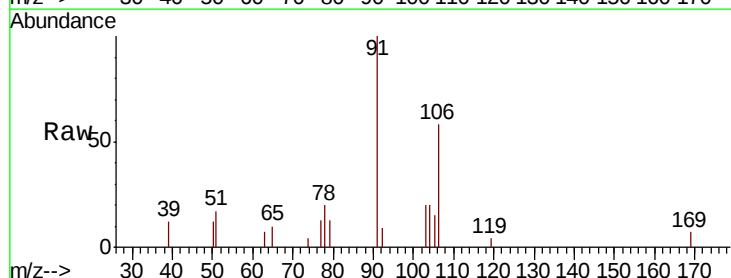


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

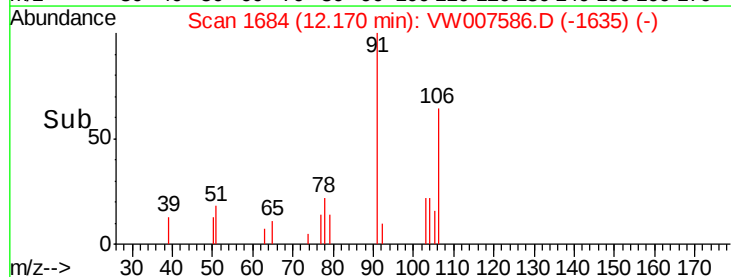
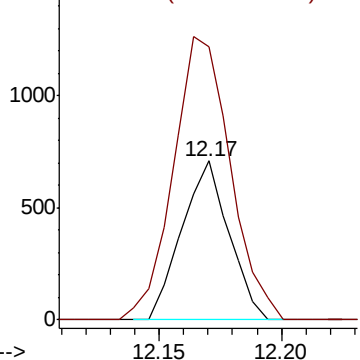


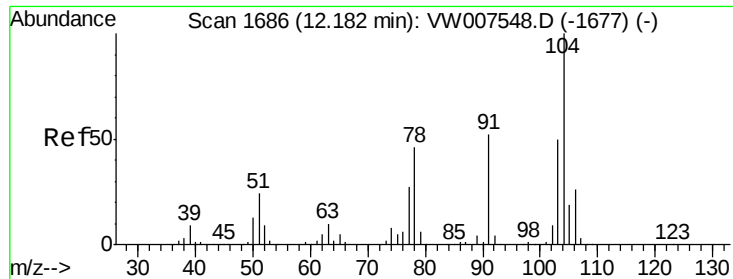
#69
o-Xylene
Concen: 3859.144 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

Tgt Ion:106 Resp: 954
Ion Ratio Lower Upper
106 100
91 214.8 106.6 319.8



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





#70

Styrene

Concen: 2549.534 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0002-01

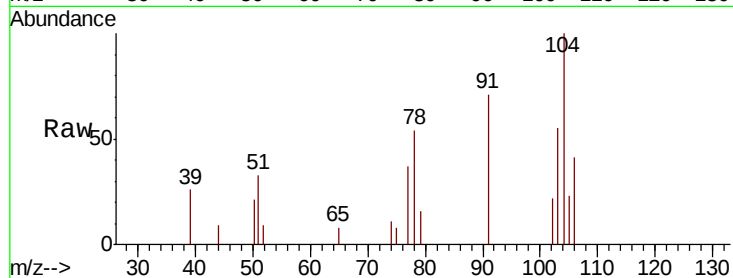
Tgt Ion:104 Resp: 1018

Ion Ratio Lower Upper

104 100

78 63.7 41.8 62.8#

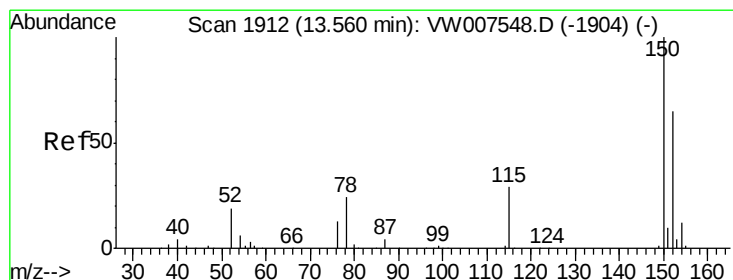
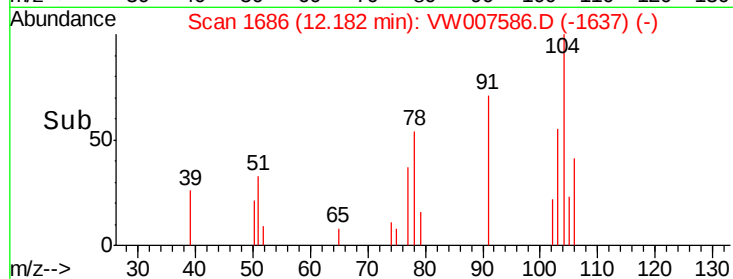
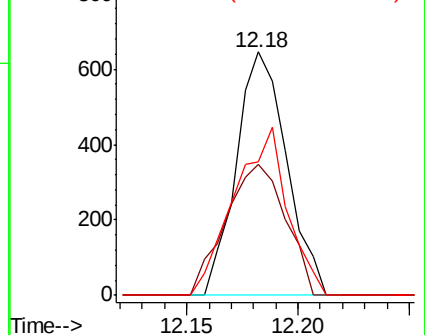
103 73.1 46.6 69.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.02 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

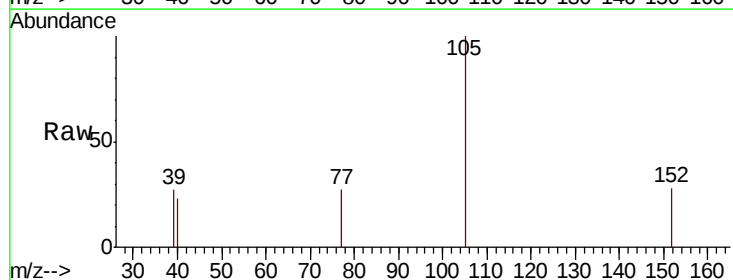
Tgt Ion:152 Resp: 25

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

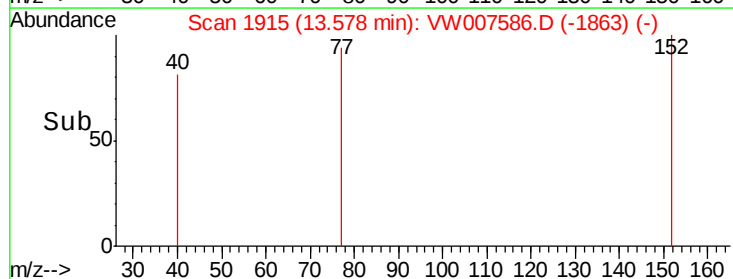
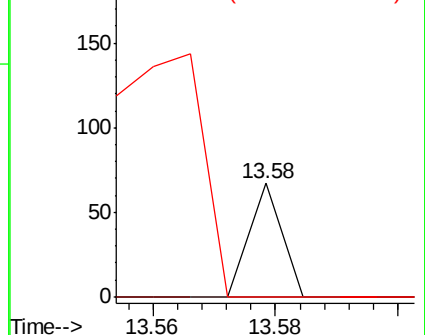
150 584.0 0.0 358.4#

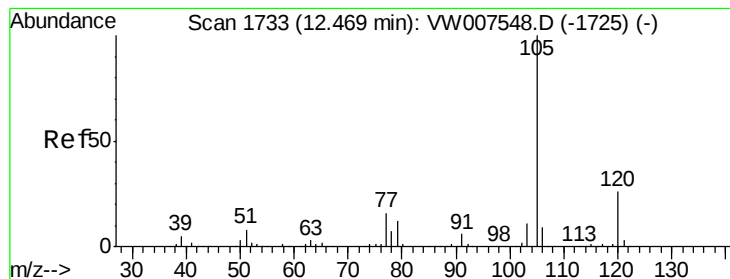


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 353.936 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

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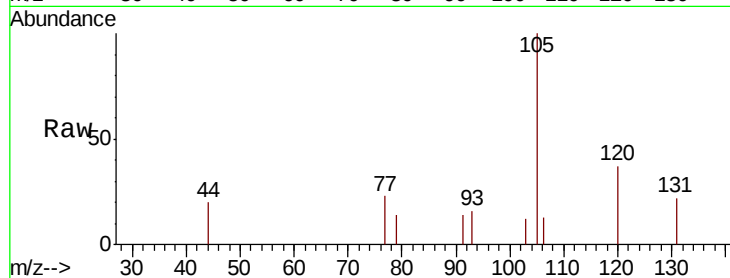
P001-SS007-0002-01

Tgt Ion:105 Resp: 678

Ion Ratio Lower Upper

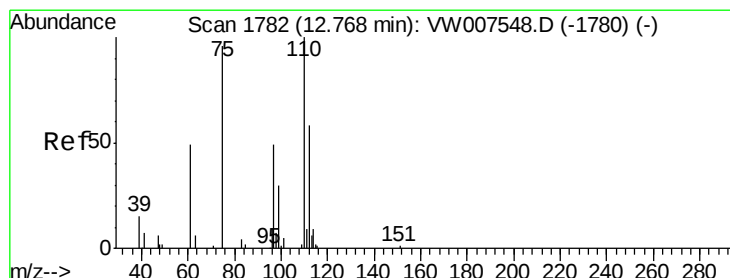
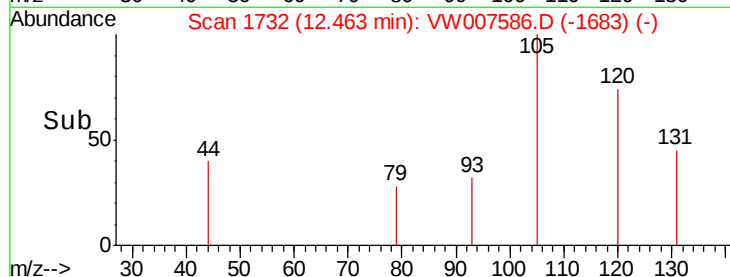
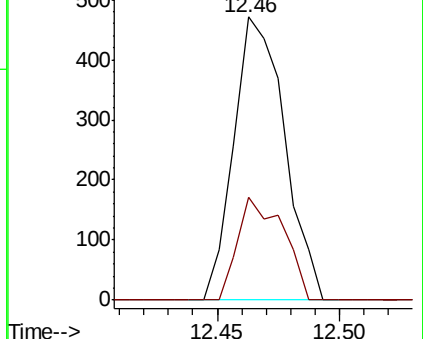
105 100

120 32.6 12.8 38.4



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: 218.307 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW007586.D

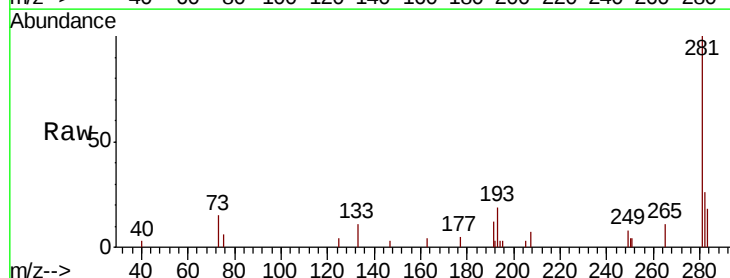
Acq: 15 Dec 2018 17:01

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

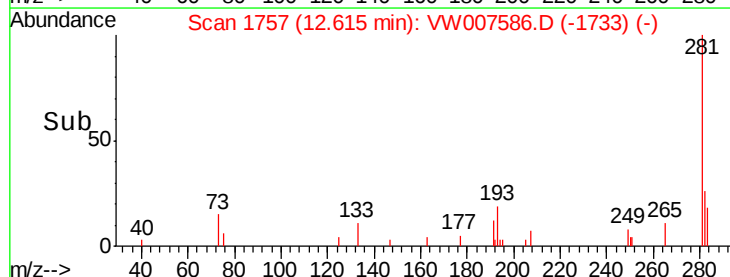
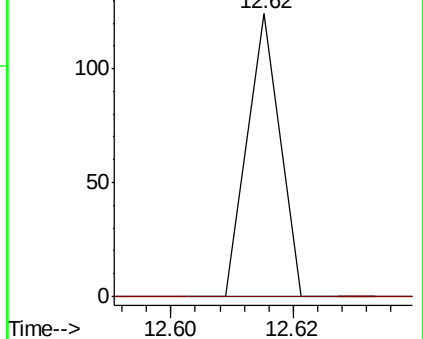
75 100

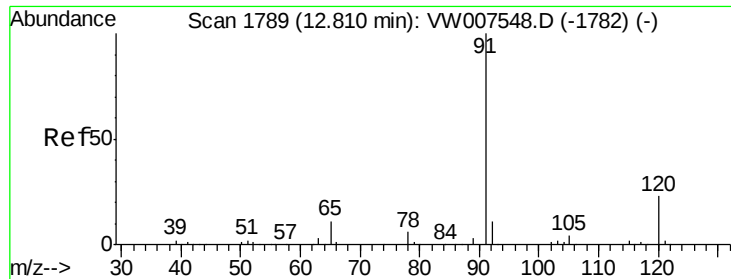
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 154.465 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

MSVOA_W

ClientSampleId :

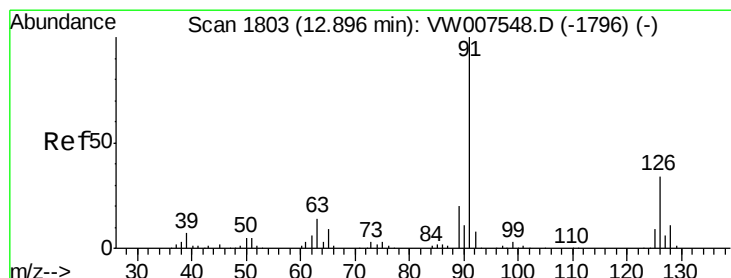
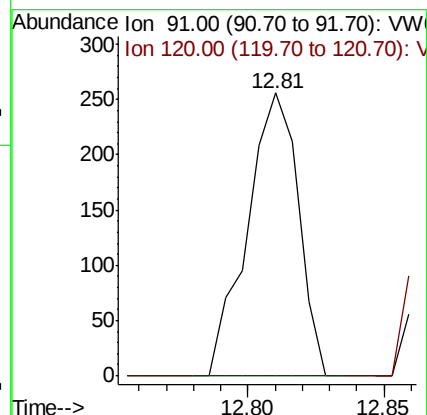
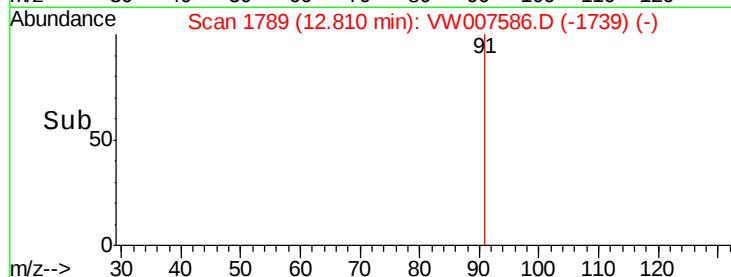
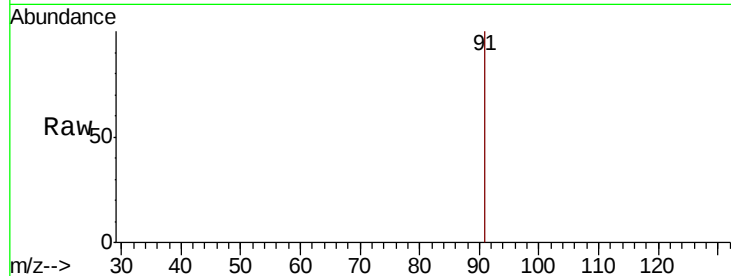
P001-SS007-0002-01

Tgt Ion: 91 Resp: 333

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.5#



#79

2-Chlorotoluene

Concen: 36.797 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW007586.D

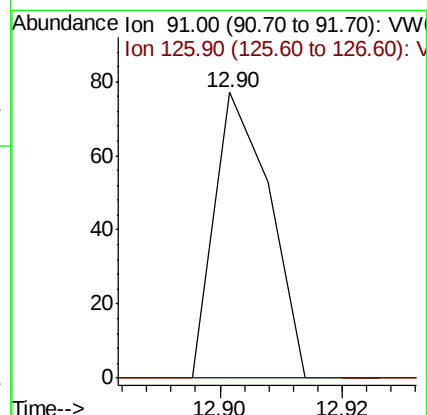
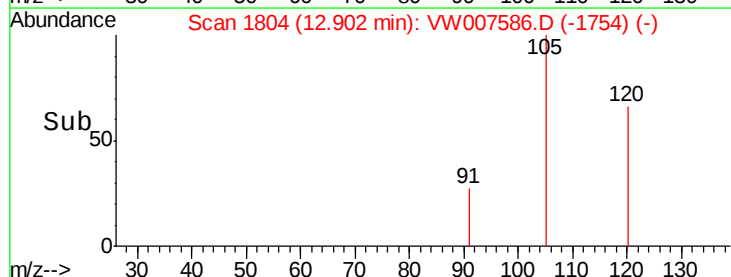
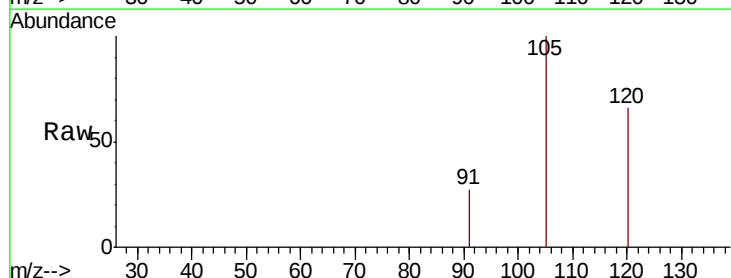
Acq: 15 Dec 2018 17:01

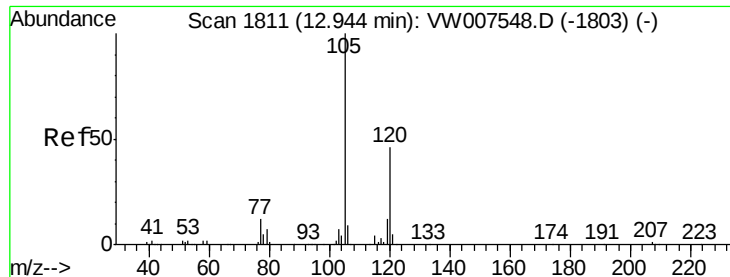
Tgt Ion: 91 Resp: 48

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.6#





#80

1,3,5-Trimethylbenzene

Concen: 433.655 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

MSVOA_W

ClientSampleId :

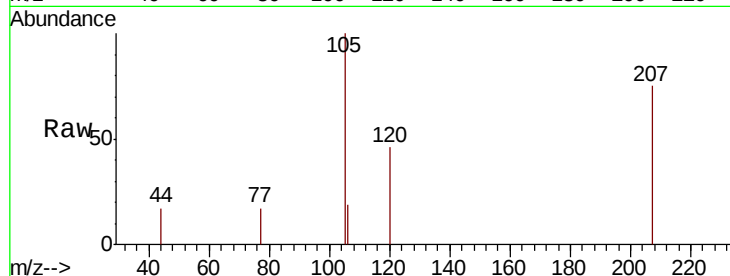
P001-SS007-0002-01

Tgt Ion: 105 Resp: 698

Ion Ratio Lower Upper

105 100

120 49.4 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95

400

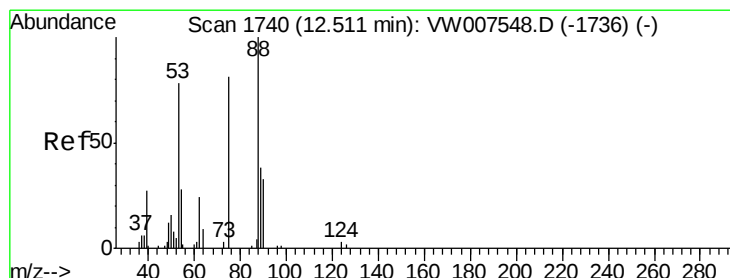
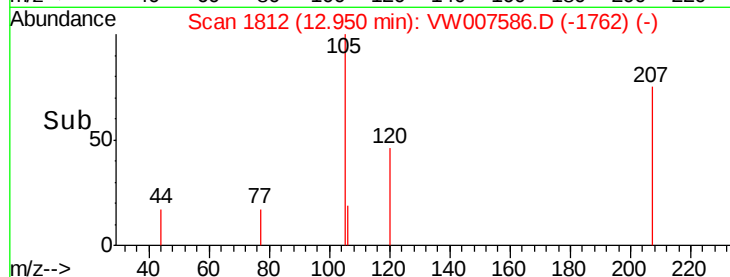
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 482.241 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

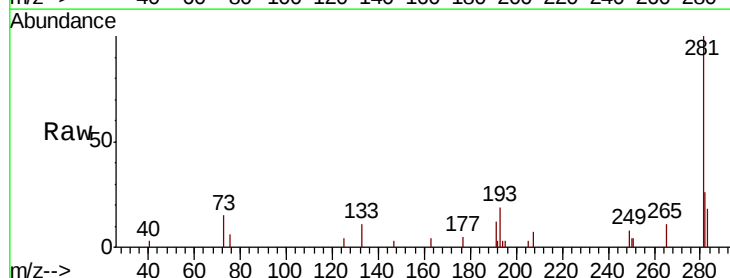
Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

12.62

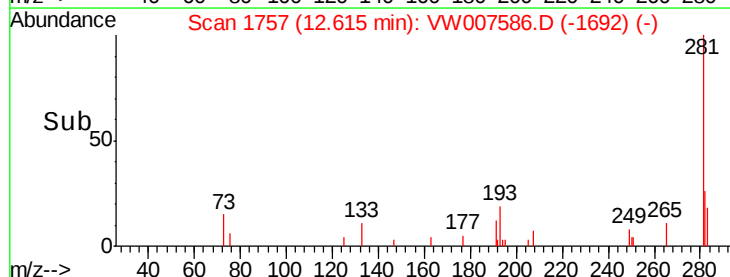
150

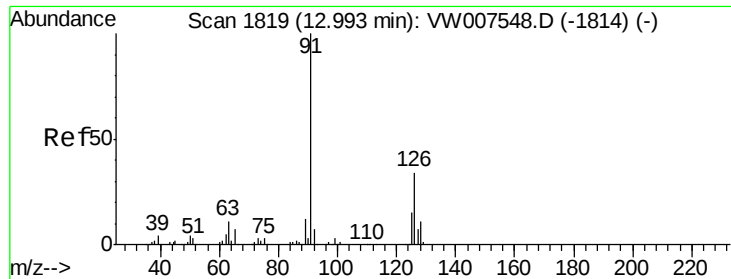
100

50

0

Time-->

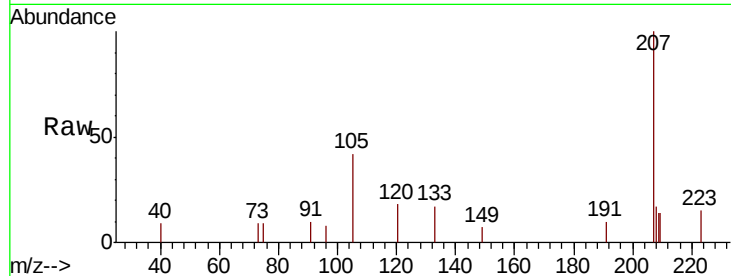




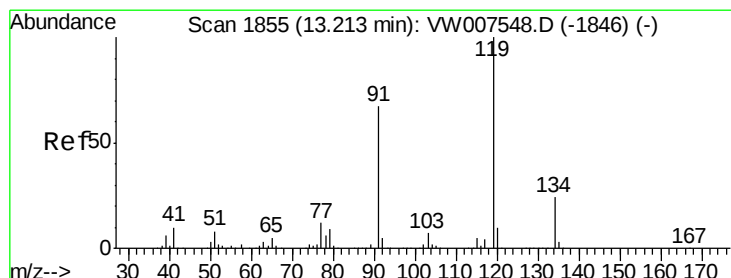
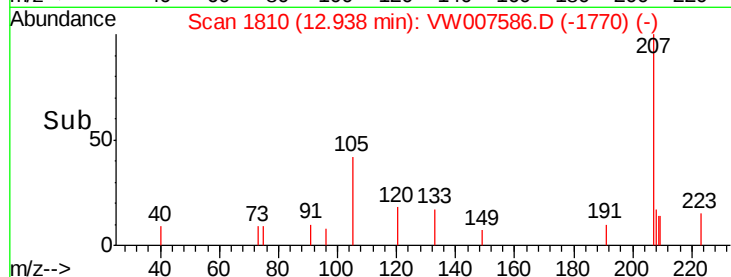
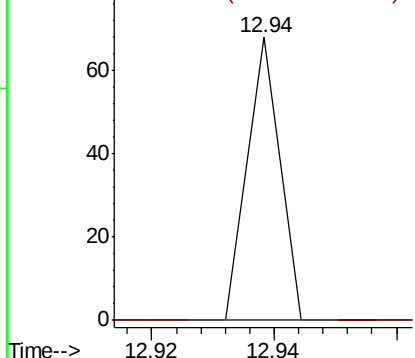
#82
4-Chlorotoluene
Concen: 18.182 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.06 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0002-01

Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 16.0 48.0#

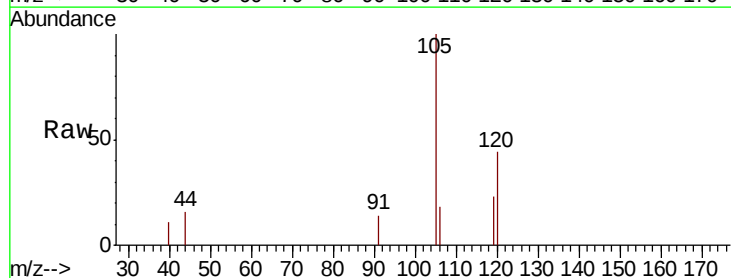


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

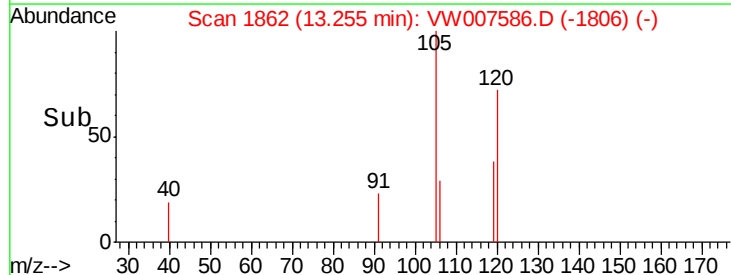
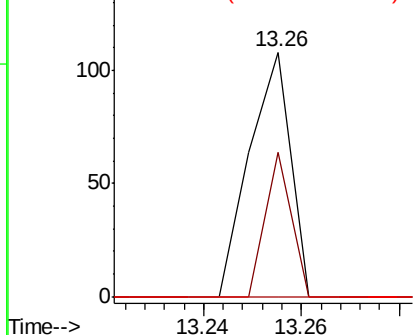


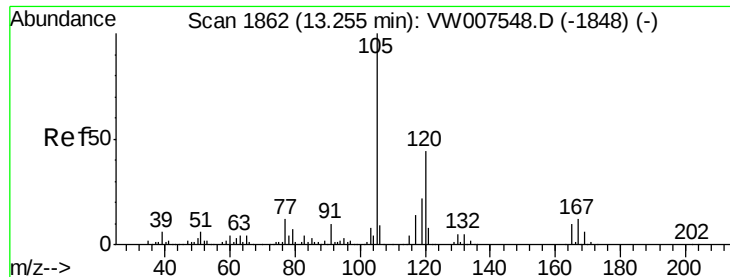
#83
tert-Butylbenzene
Concen: 44.421 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

Tgt Ion: 119 Resp: 63
Ion Ratio Lower Upper
119 100
91 36.5 33.1 99.2
134 0.0 12.5 37.5#



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

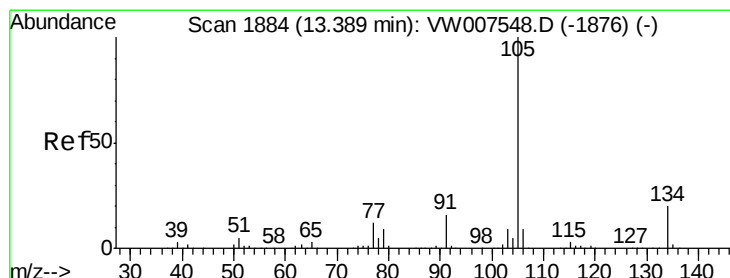
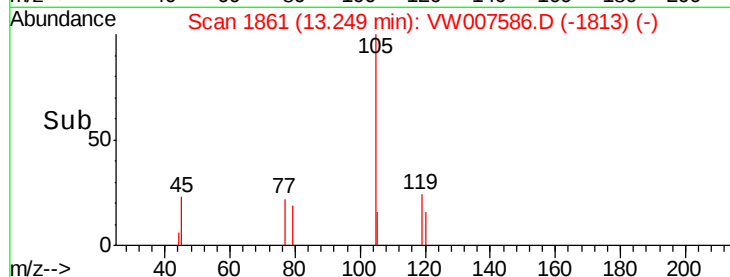
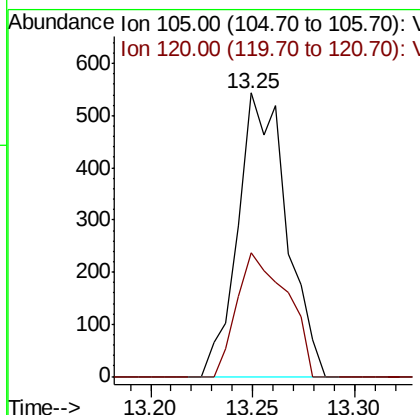
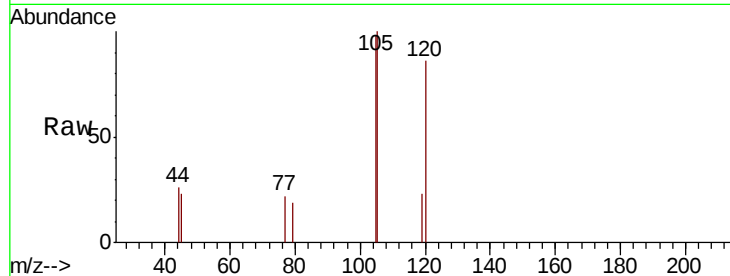




#84
 1,2,4-Trimethylbenzene
 Concen: 543.972 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW007586.D
 Acq: 15 Dec 2018 17:01

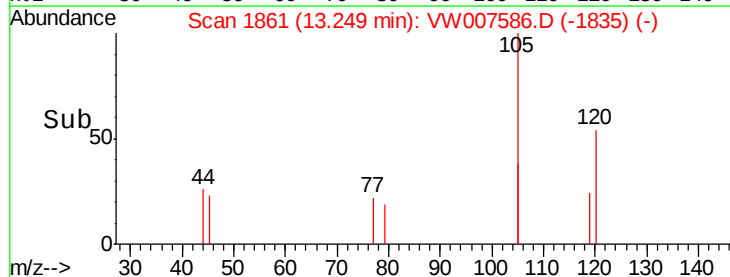
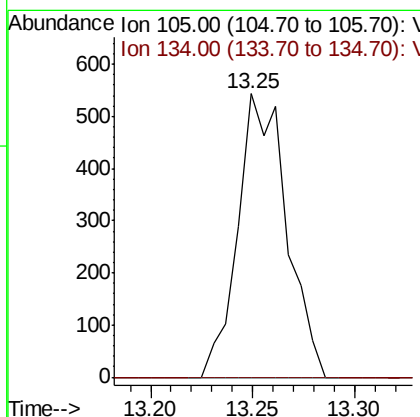
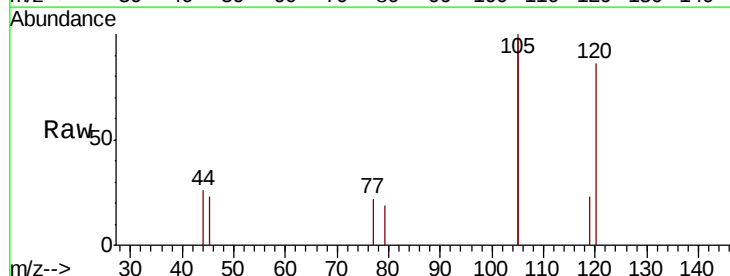
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0002-01

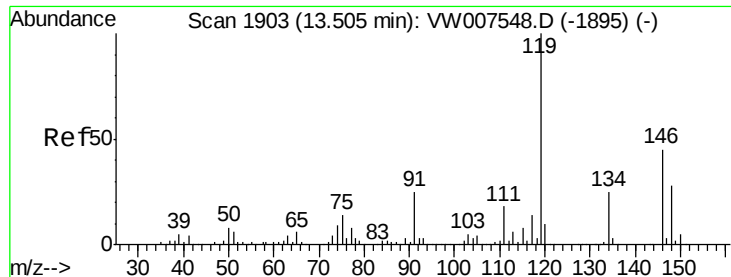
Tgt Ion:105 Resp: 901
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 465.369 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.14 min
 Lab File: VW007586.D
 Acq: 15 Dec 2018 17:01

Tgt Ion:105 Resp: 901
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#

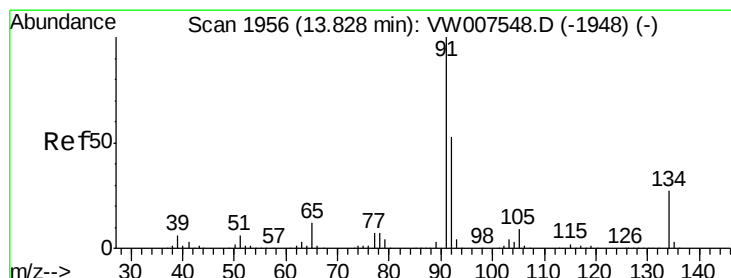
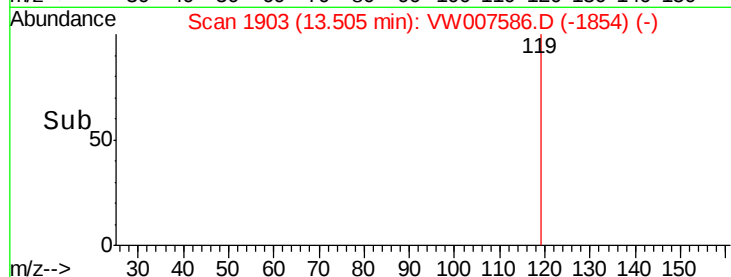
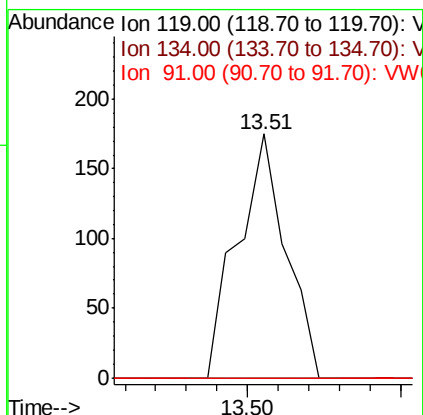
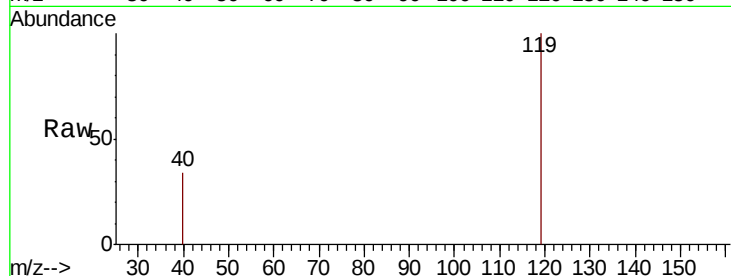




#86
p-Isopropyltoluene
Concen: 110.387 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

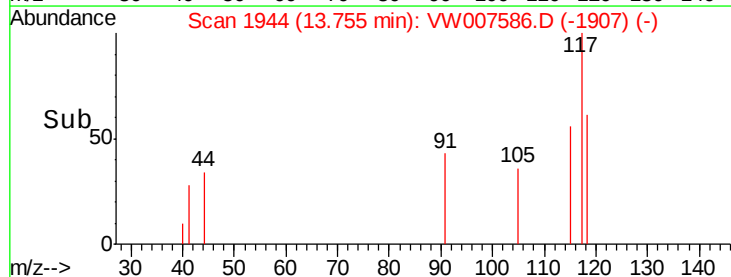
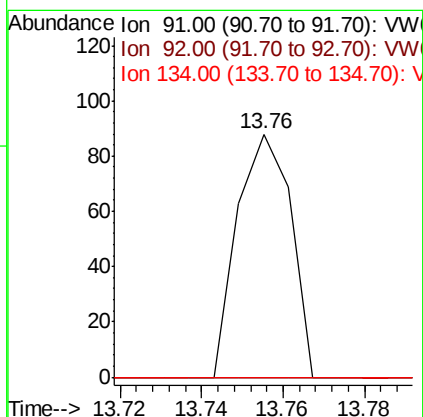
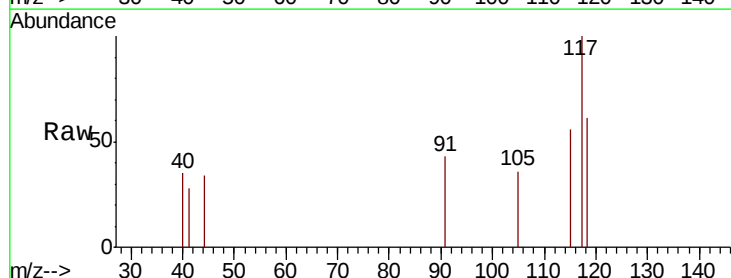
Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0002-01

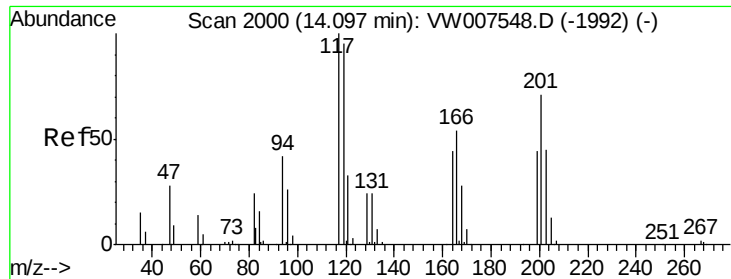
Tgt Ion: 119 Resp: 192
Ion Ratio Lower Upper
119 100
134 0.0 12.9 38.7#
91 0.0 11.9 35.9#



#89
n-Butylbenzene
Concen: 49.614 ug/l
RT: 13.76 min Scan# 1944
Delta R.T. -0.07 min
Lab File: VW007586.D
Acq: 15 Dec 2018 17:01

Tgt Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.1#
134 0.0 13.4 40.2#





#90

Hexachloroethane

Concen: 93.706 ug/l

RT: 14.22 min Scan# 2021

Delta R.T. 0.13 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Instrument :

MSVOA_W

ClientSampleId :

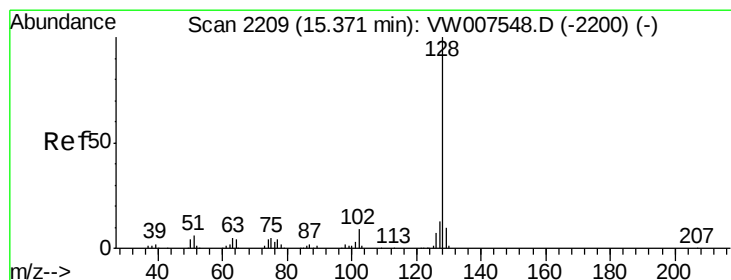
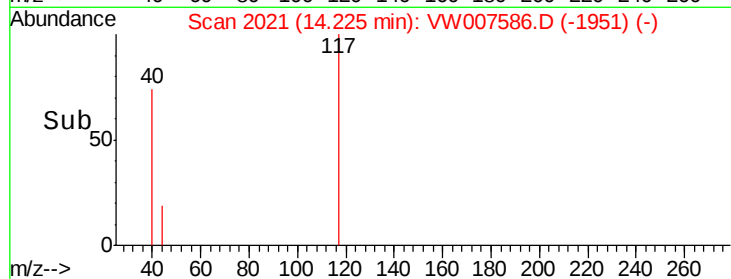
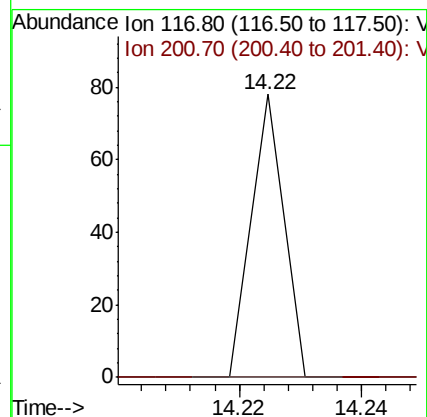
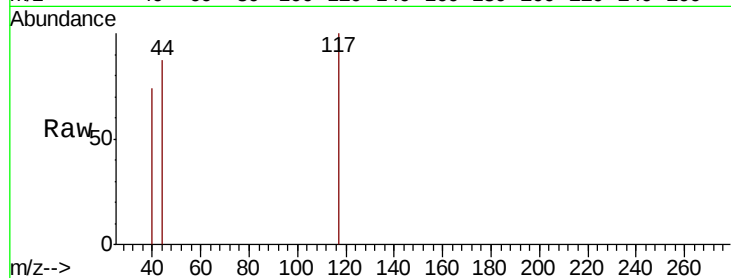
P001-SS007-0002-01

Tgt Ion:117 Resp: 29

Ion Ratio Lower Upper

117 100

201 0.0 35.3 105.9#



#95

Naphthalene

Concen: 5742.940 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW007586.D

Acq: 15 Dec 2018 17:01

Tgt Ion:128 Resp: 5733

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.6 8.3 12.5

