

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007577.D
 Acq On : 15 Dec 2018 13:08
 Operator : SY/AP
 Sample : J6353-01
 Misc : 4.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

Quant Time: Dec 15 20:20:34 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	7.95	168	85701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	150895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	32491	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	48627	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	7.88	113	44241	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	10.32	98	143050	41.77	ug/l	0.00
Spiked Amount			Recovery	=	83.54%	
62) 4-Bromofluorobenzene	12.62	95	43605	34.63	ug/l	0.00
Spiked Amount			Recovery	=	69.26%	

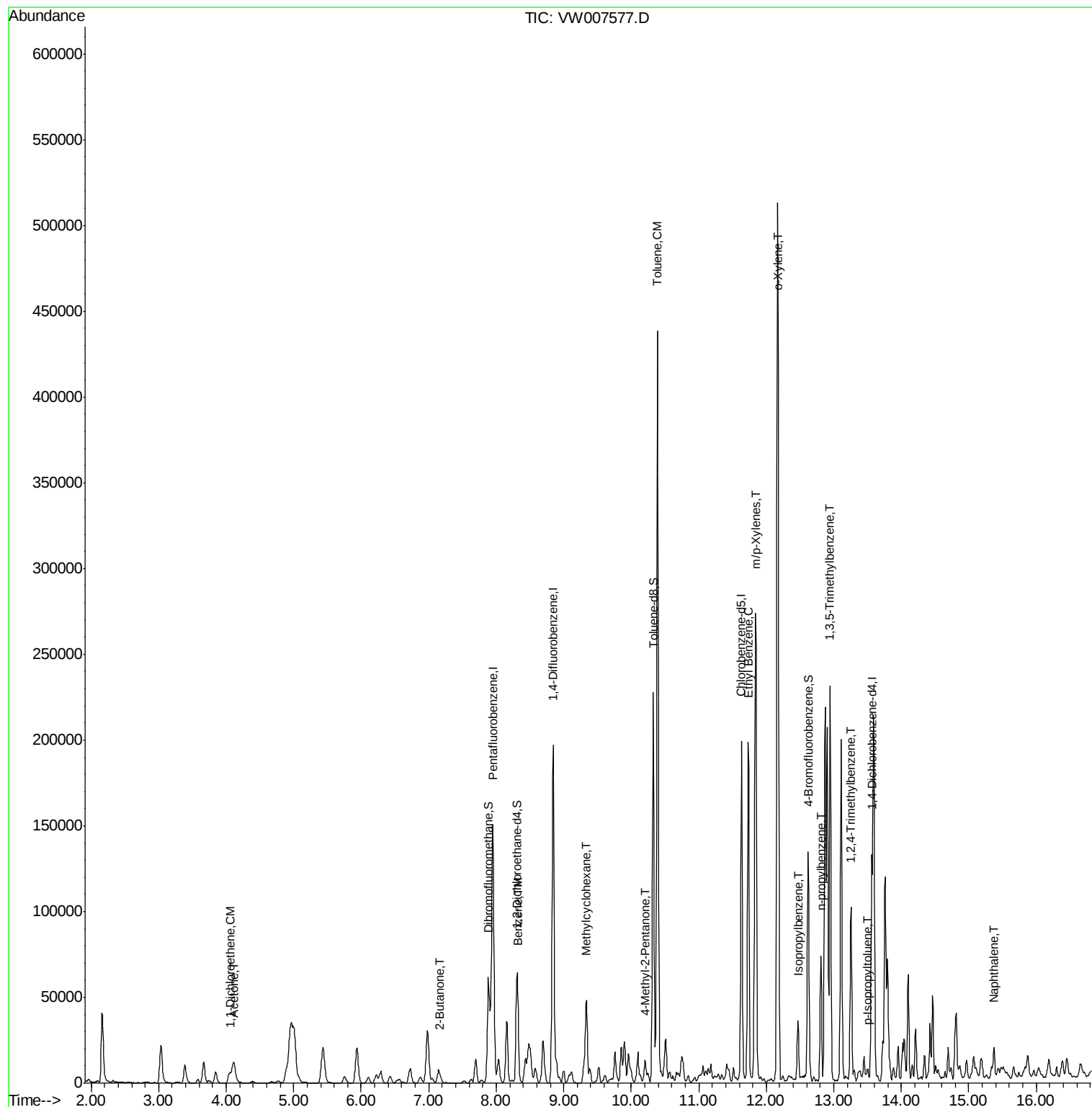
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	4.05	96	4015	4.776	ug/l	99
16) Acetone	4.11	43	12701	76.478	ug/l #	72
25) 2-Butanone	7.17	43	4133	19.063	ug/l	99
39) Methylcyclohexane	9.34	83	18670	11.201	ug/l	95
40) Benzene	8.32	78	11695	3.061	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	2619	5.481	ug/l	88
52) Toluene	10.39	92	185576	75.067	ug/l	100
67) Ethyl Benzene	11.73	91	136789	35.135	ug/l	94
68) m/p-Xylenes	11.84	106	86323	57.034	ug/l	100
69) o-Xylene	12.17	106	134765	95.339	ug/l	96
73) Isopropylbenzene	12.47	105	20977	8.426	ug/l	99
78) n-propylbenzene	12.81	91	54029	19.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	122103	58.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	57874	26.885	ug/l	98
86) p-Isopropyltoluene	13.51	119	3338	1.477	ug/l	94
95) Naphthalene	15.37	128	15304	11.796	ug/l #	93

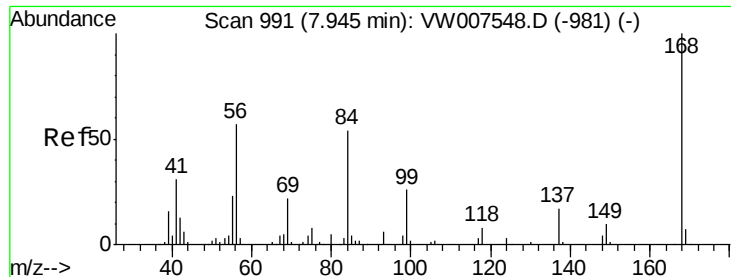
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

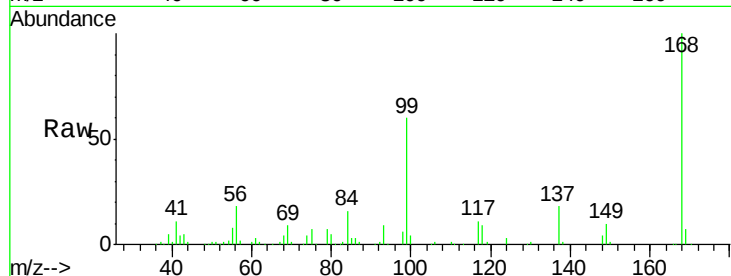
P001-SS001-0002-01

Tgt Ion: 168 Resp: 85701

Ion Ratio Lower Upper

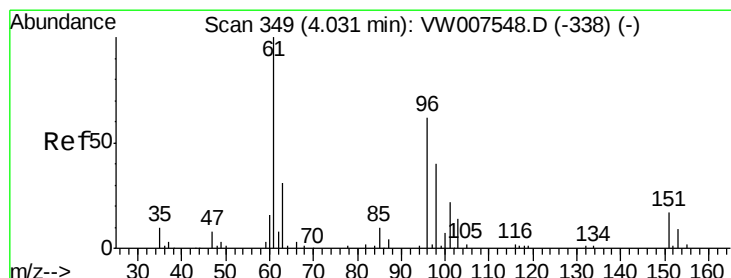
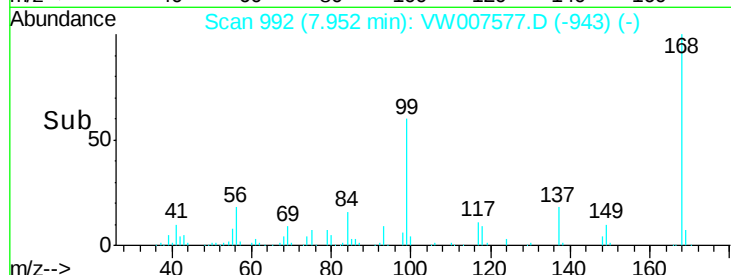
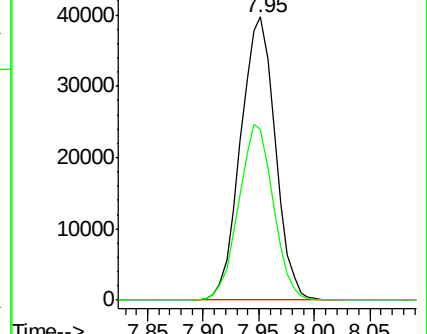
168 100

99 60.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#12

1,1-Dichloroethene

Concen: 4.776 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.02 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

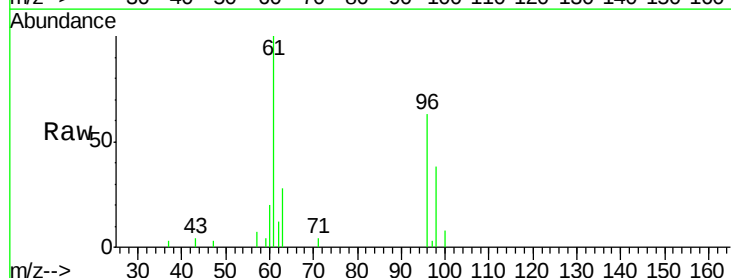
Tgt Ion: 96 Resp: 4015

Ion Ratio Lower Upper

96 100

61 159.2 126.2 189.2

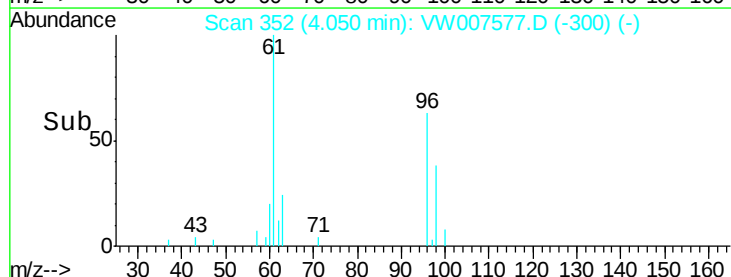
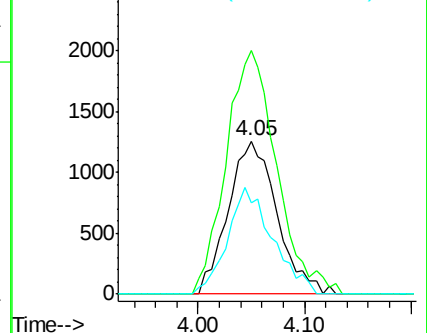
98 60.0 48.3 72.5

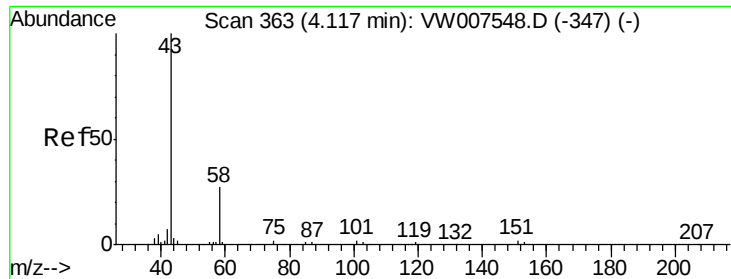


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#16

Acetone

Concen: 76.478 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

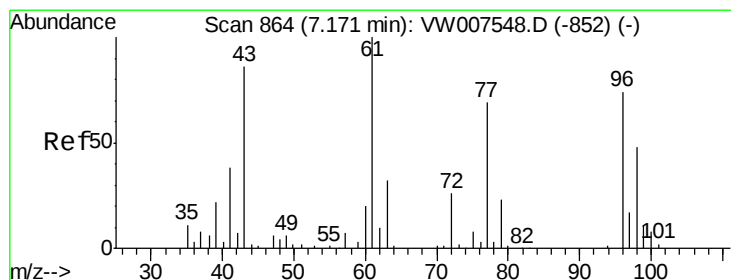
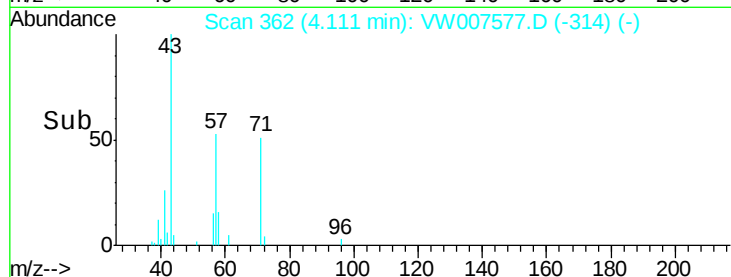
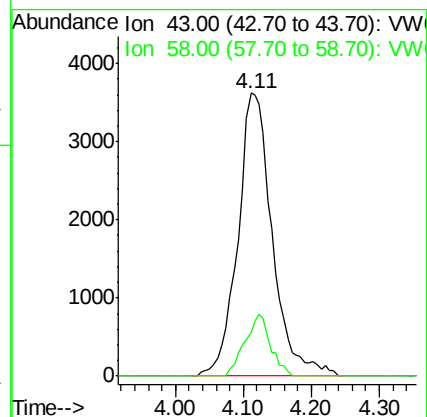
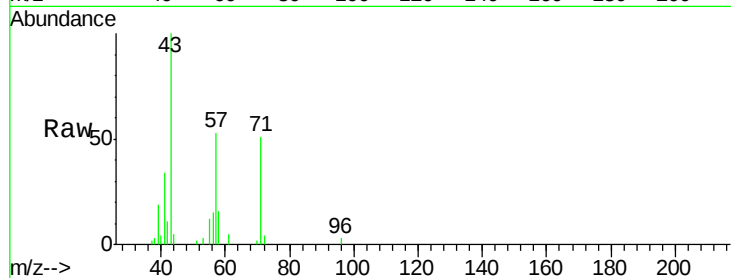
P001-SS001-0002-01

Tgt Ion: 43 Resp: 12701

Ion Ratio Lower Upper

43 100

58 15.7 24.9 37.3#



#25

2-Butanone

Concen: 19.063 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007577.D

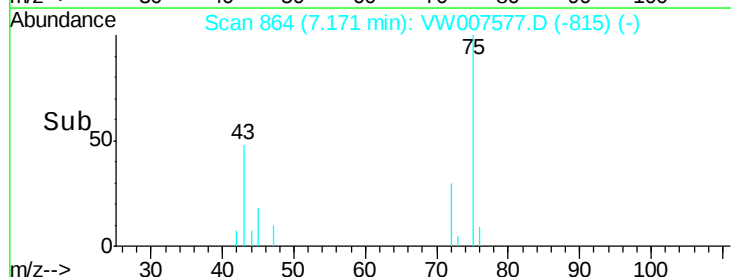
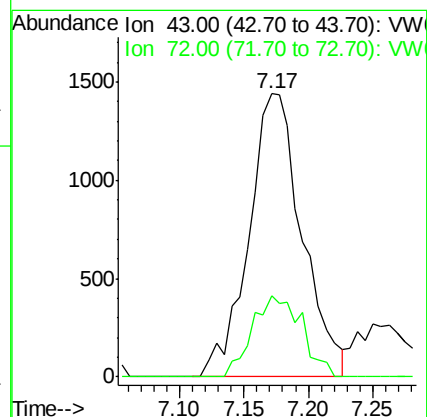
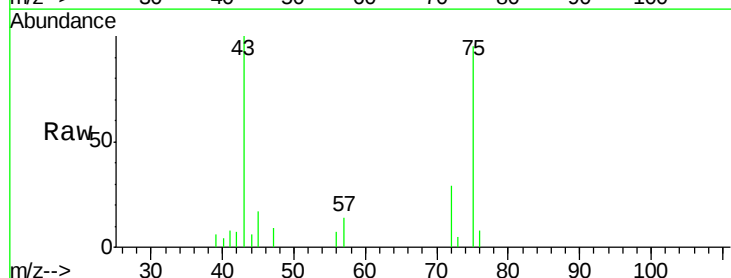
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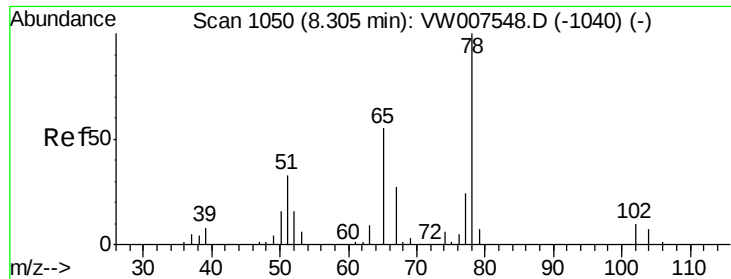
Tgt Ion: 43 Resp: 4133

Ion Ratio Lower Upper

43 100

72 28.8 23.4 35.2

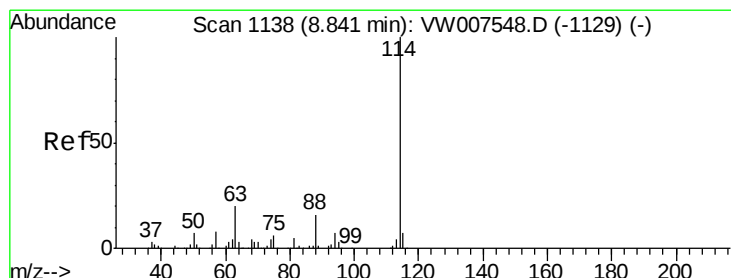
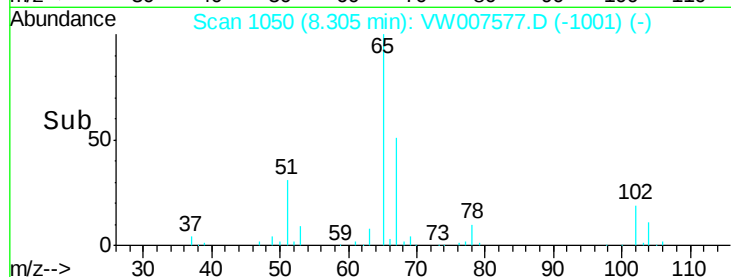
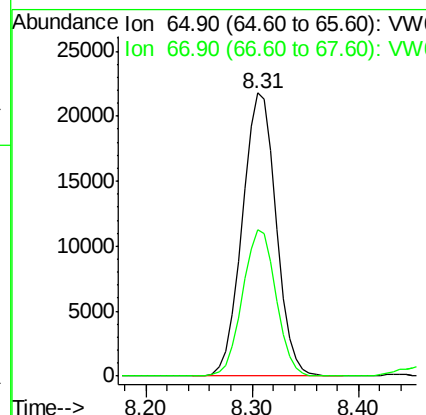
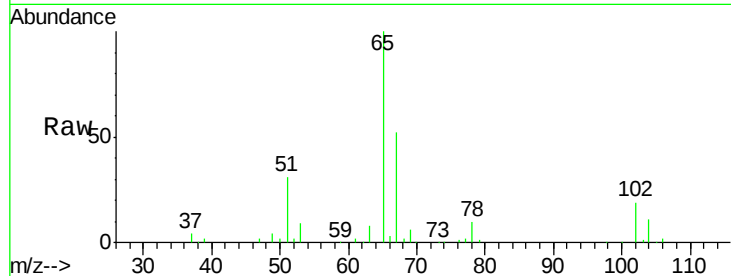




#33
 1,2-Dichloroethane-d4
 Concen: 51.144 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007577.D
 Acq: 15 Dec 2018 13:08

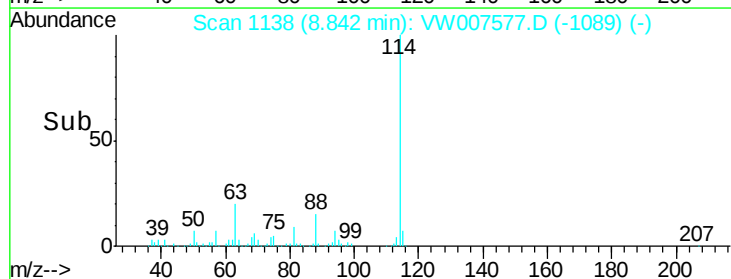
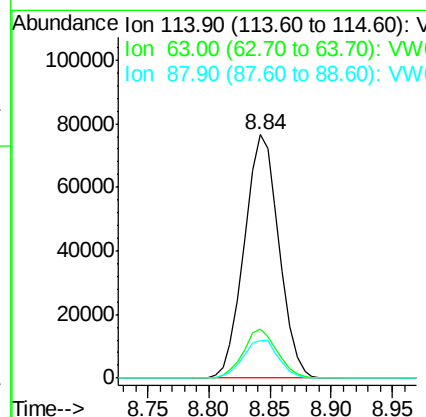
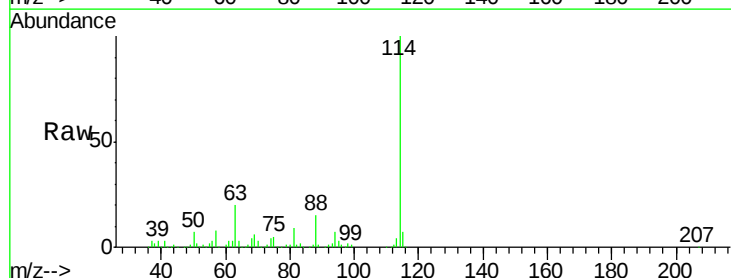
Instrument :
 MSVOA_W
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 P001-SS001-0002-01

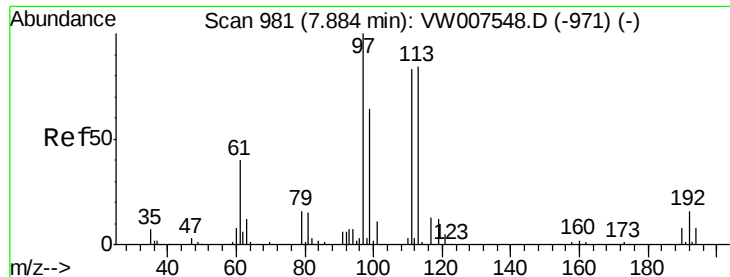
Tgt Ion: 65 Resp: 48627
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007577.D
 Acq: 15 Dec 2018 13:08

Tgt Ion: 114 Resp: 150895
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 15.3 0.0 31.4

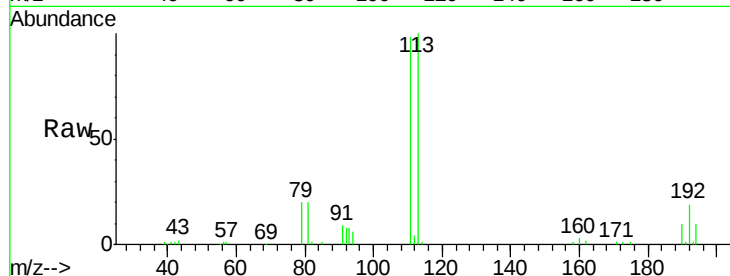




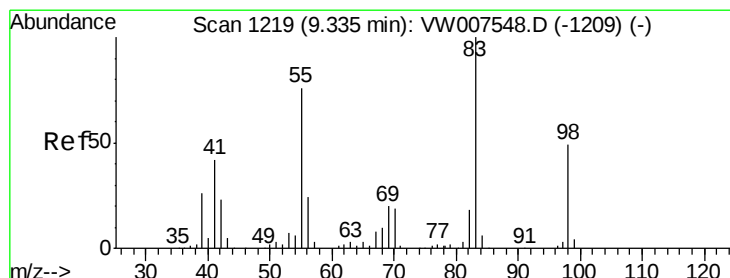
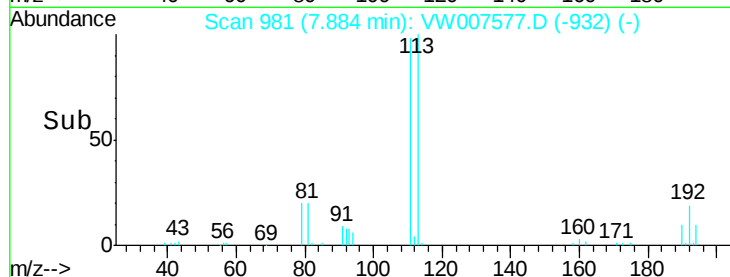
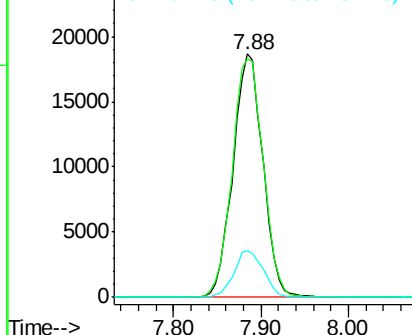
#35
 Dibromofluoromethane
 Concen: 48.434 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007577.D
 Acq: 15 Dec 2018 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

Tgt Ion: 113 Resp: 44241
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.1 121.7
 192 19.0 14.6 21.8

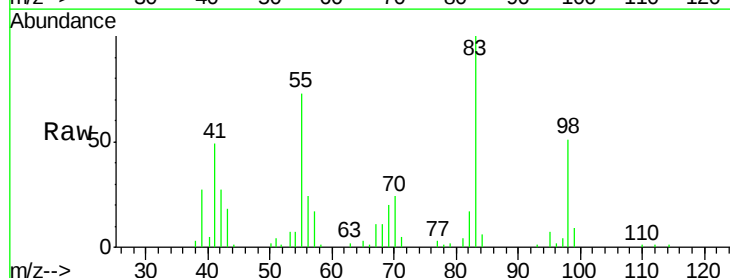


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

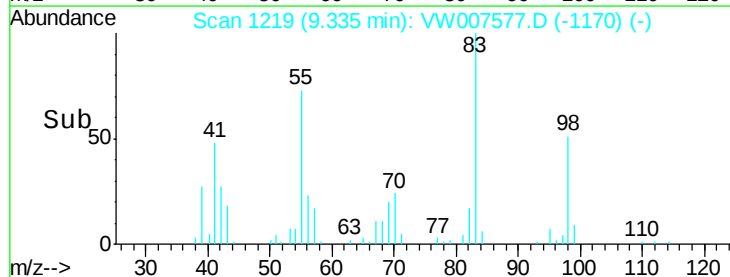
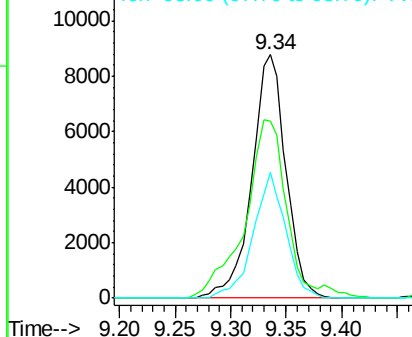


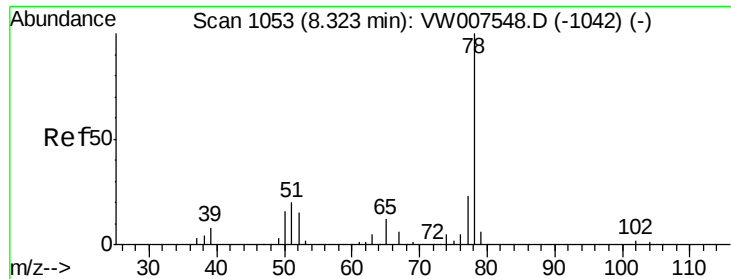
#39
 Methylcyclohexane
 Concen: 11.201 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW007577.D
 Acq: 15 Dec 2018 13:08

Tgt Ion: 83 Resp: 18670
 Ion Ratio Lower Upper
 83 100
 55 72.6 62.8 94.2
 98 51.5 42.2 63.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 3.061 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

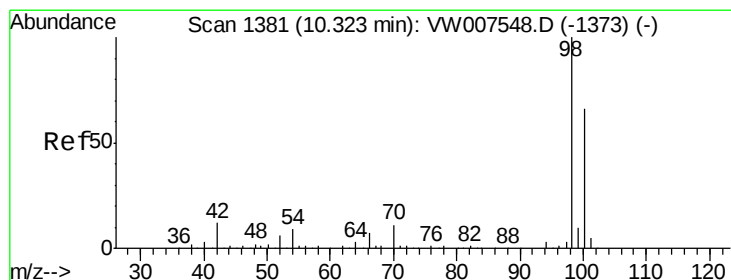
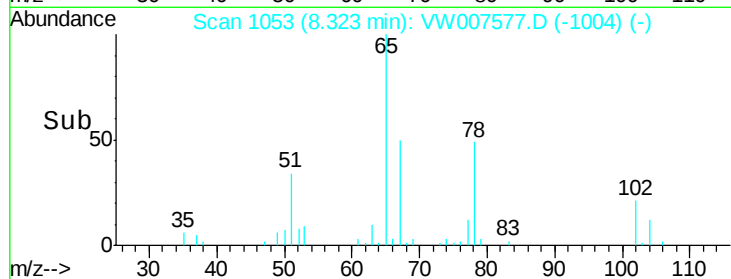
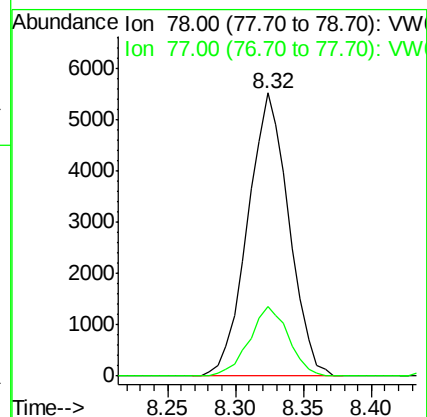
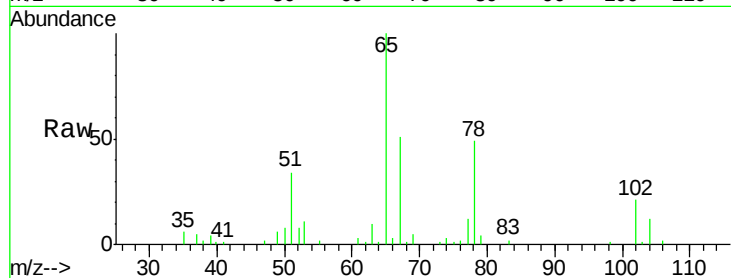
P001-SS001-0002-01

Tgt Ion: 78 Resp: 11695

Ion Ratio Lower Upper

78 100

77 24.7 18.8 28.2



#50

Toluene-d8

Concen: 41.768 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007577.D

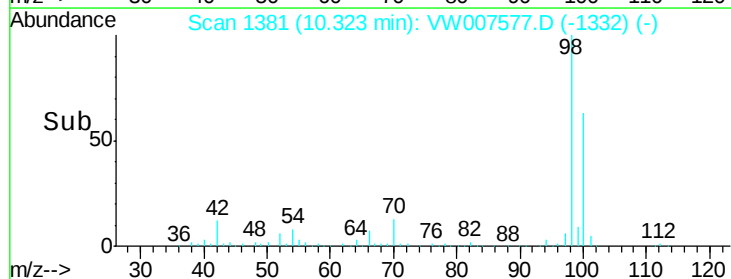
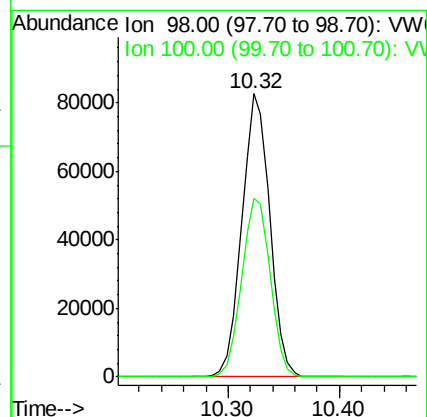
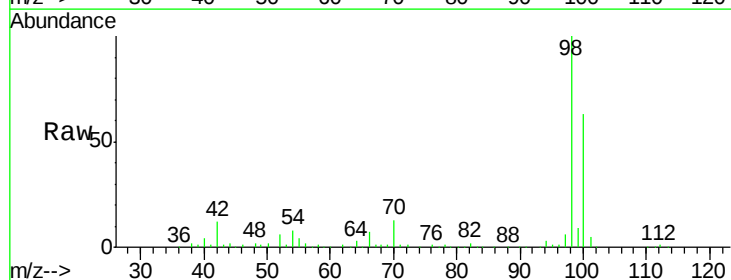
Acq: 15 Dec 2018 13:08

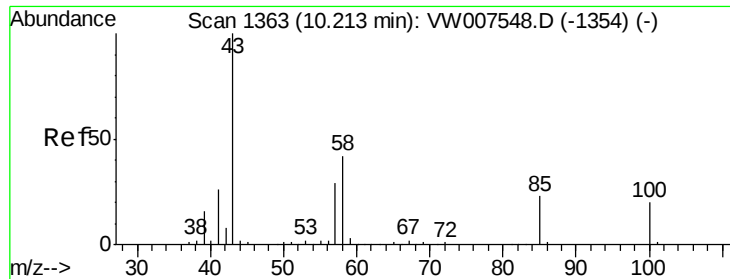
Tgt Ion: 98 Resp: 143050

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 5.481 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

Instrument :

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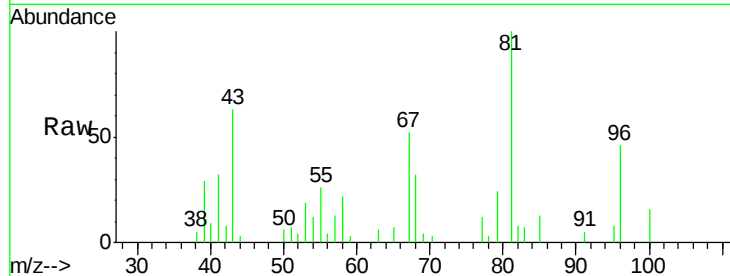
P001-SS001-0002-01

Tgt Ion: 43 Resp: 2619

Ion Ratio Lower Upper

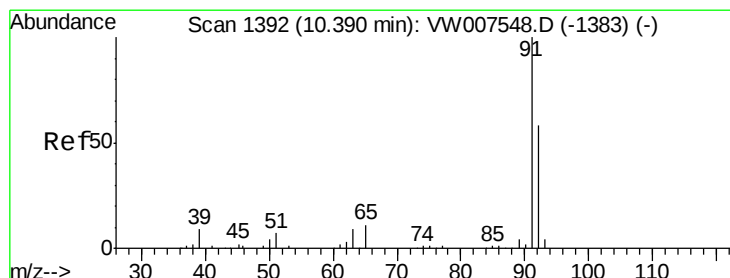
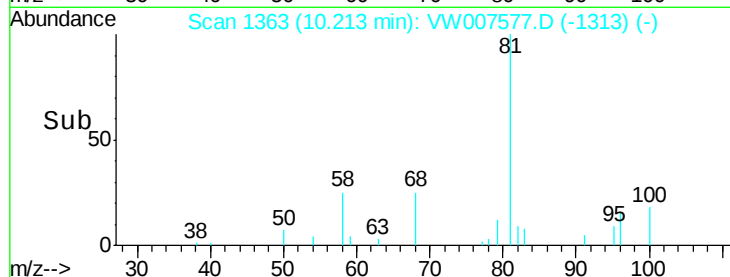
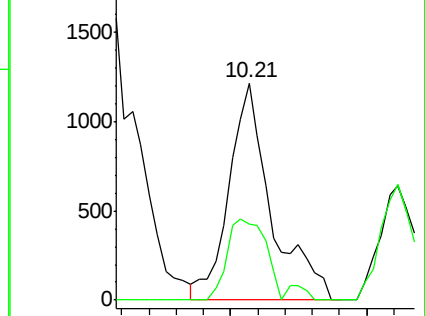
43 100

58 34.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 75.067 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007577.D

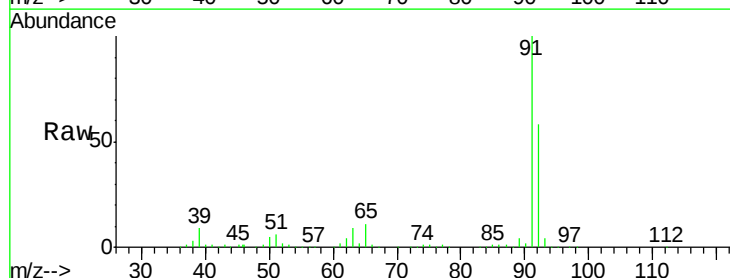
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Tgt Ion: 92 Resp: 185576

Ion Ratio Lower Upper

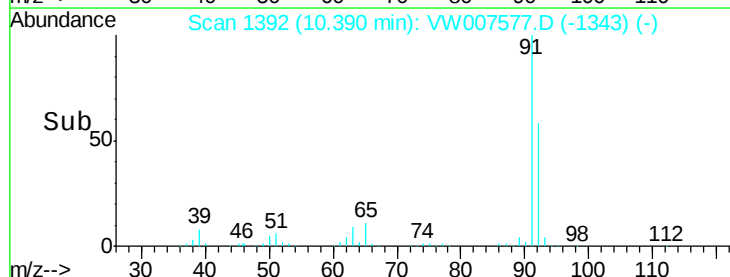
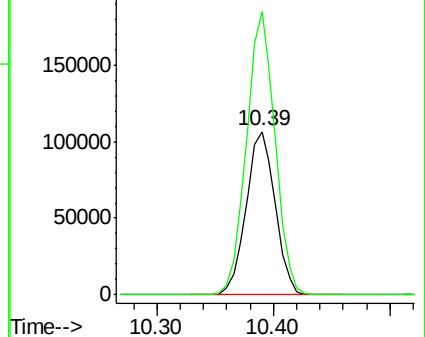
92 100

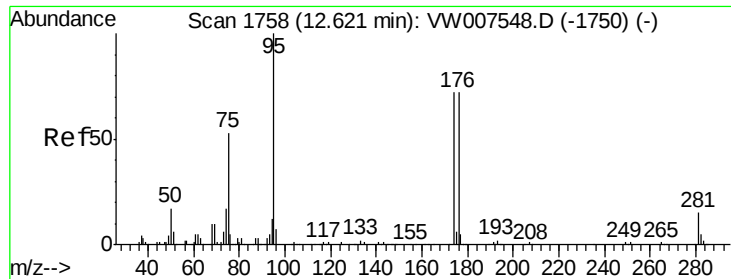
91 170.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 34.628 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

Instrument :

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ClientSampleId :

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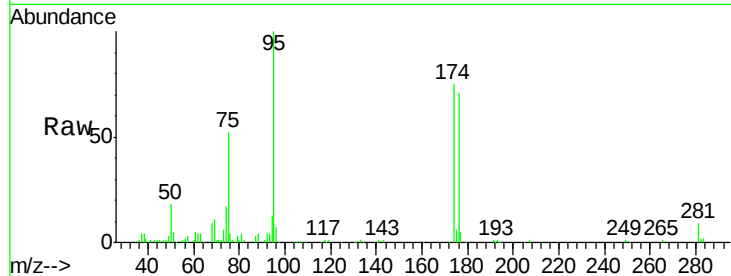
Tgt Ion: 95 Resp: 43605

Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.2

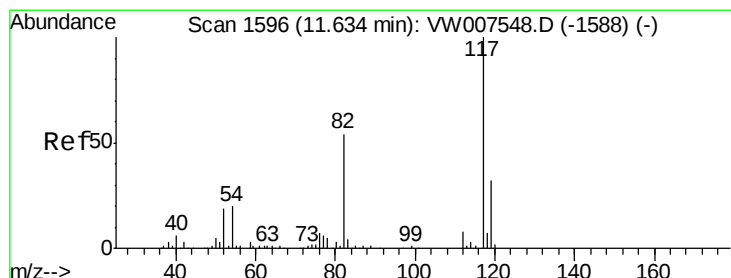
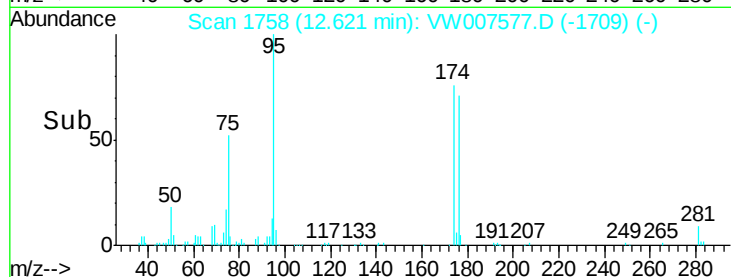
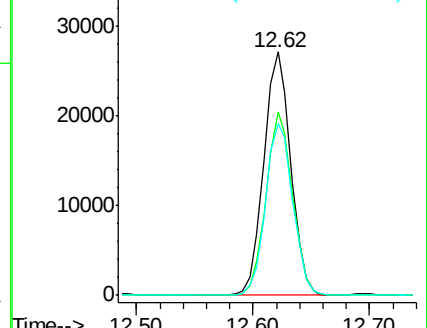
176 70.9 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

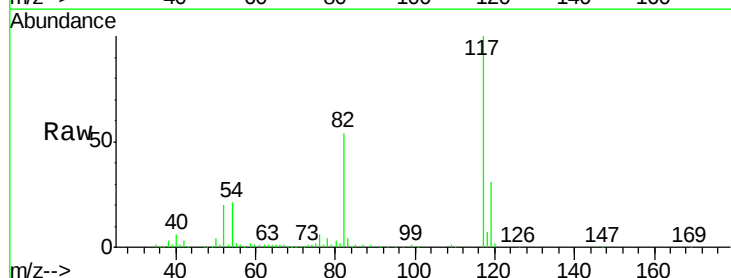
Tgt Ion: 117 Resp: 108643

Ion Ratio Lower Upper

117 100

82 54.0 42.3 63.5

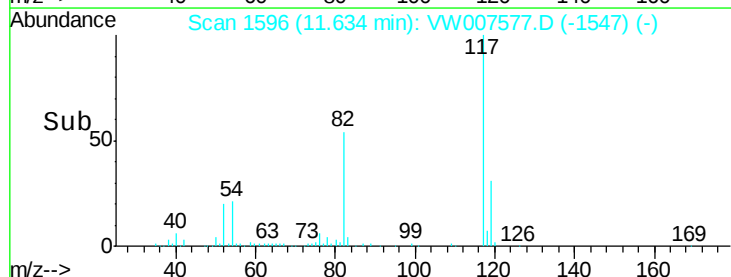
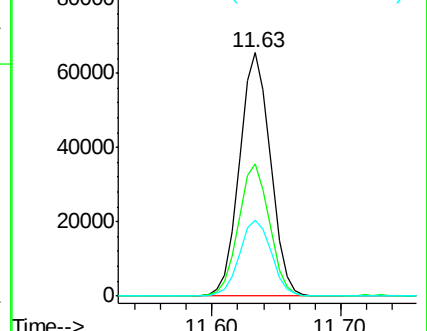
119 30.8 23.0 34.6

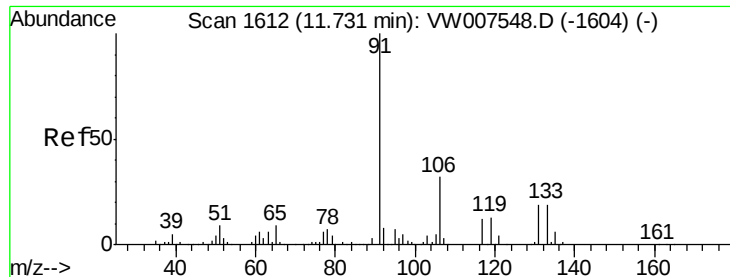


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

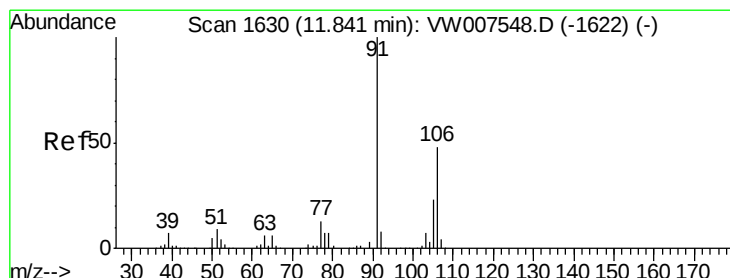
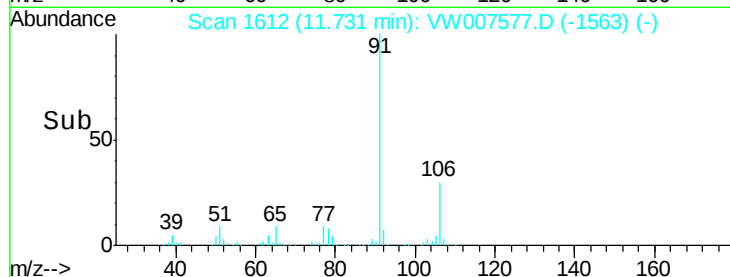
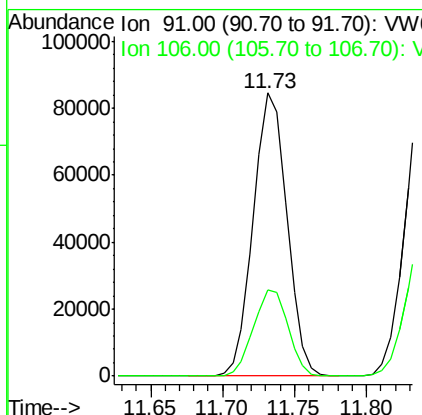
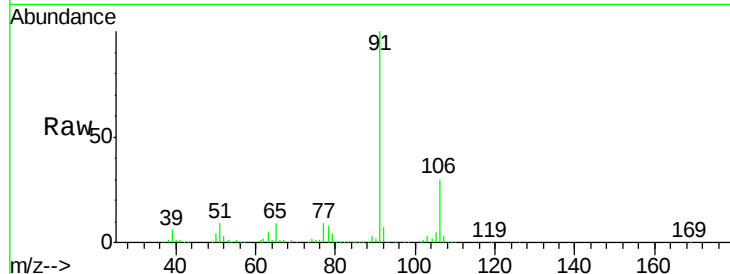




#67
Ethyl Benzene
Concen: 35.135 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007577.D
Acq: 15 Dec 2018 13:08

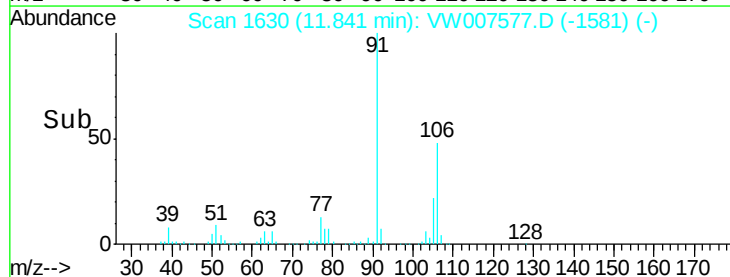
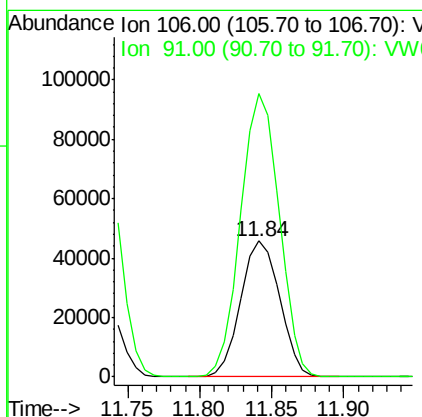
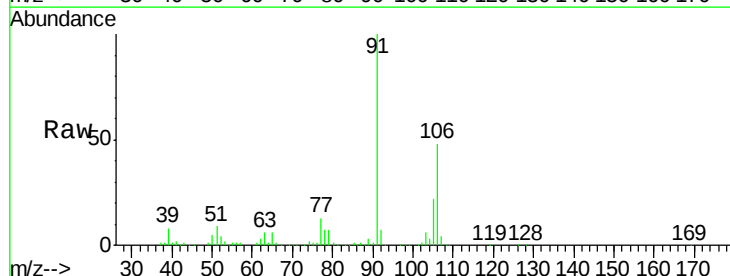
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

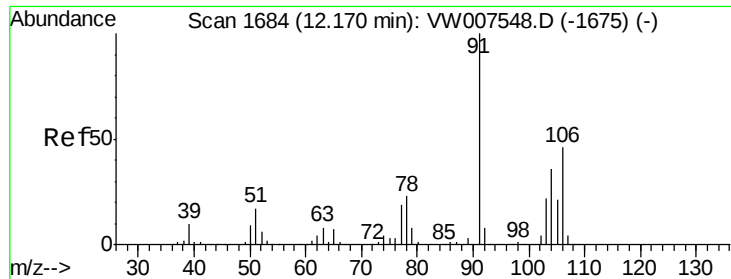
Tgt Ion: 91 Resp: 136789
Ion Ratio Lower Upper
91 100
106 30.5 21.8 32.8



#68
m/p-Xylenes
Concen: 57.034 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007577.D
Acq: 15 Dec 2018 13:08

Tgt Ion: 106 Resp: 86323
Ion Ratio Lower Upper
106 100
91 206.4 165.3 247.9

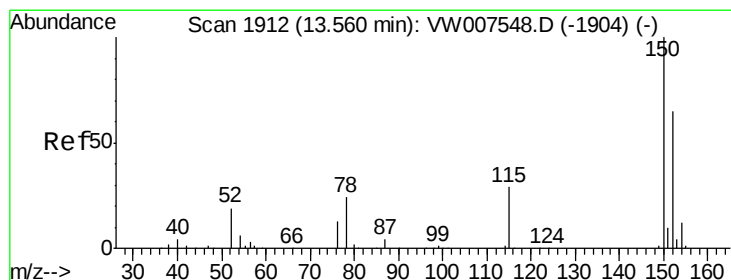
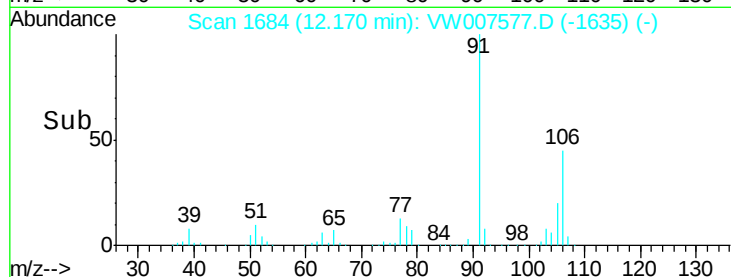
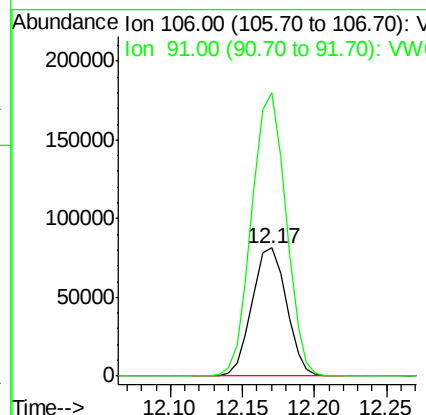
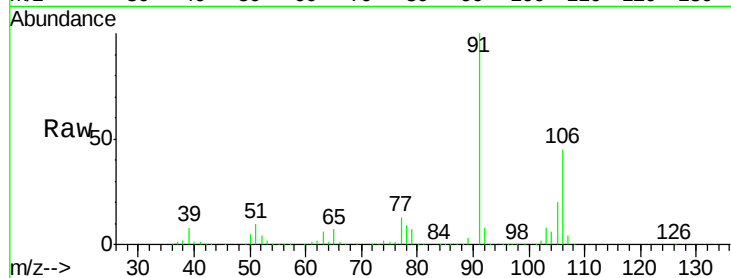




#69
o-Xylene
Concen: 95.339 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007577.D
Acq: 15 Dec 2018 13:08

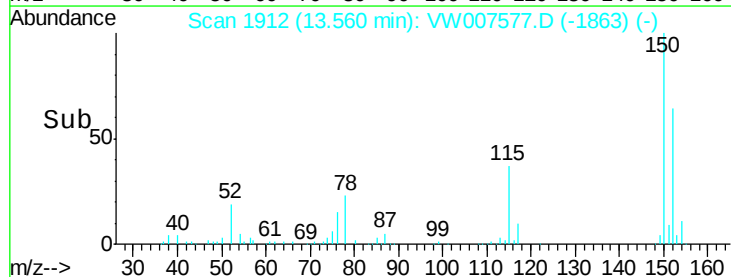
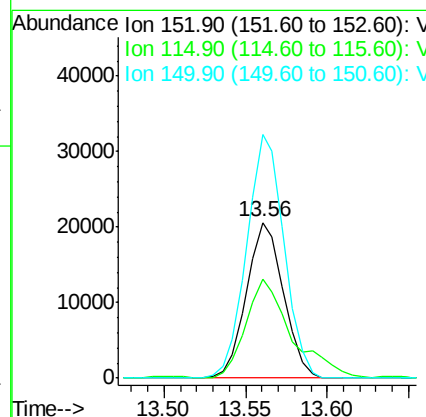
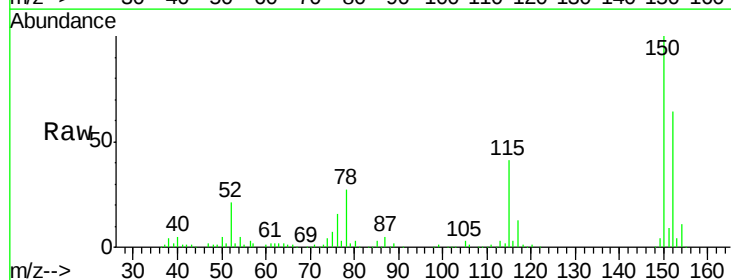
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

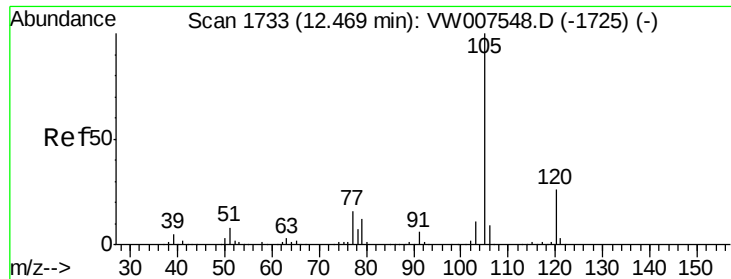
Tgt Ion:106 Resp: 134765
Ion Ratio Lower Upper
106 100
91 219.6 106.6 319.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007577.D
Acq: 15 Dec 2018 13:08

Tgt Ion:152 Resp: 32491
Ion Ratio Lower Upper
152 100
115 78.8 31.4 94.2
150 157.7 0.0 358.4





#73

Isopropylbenzene

Concen: 8.426 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007577.D

Acq: 15 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

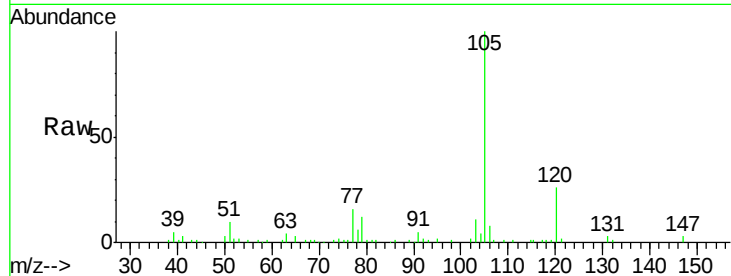
P001-SS001-0002-01

Tgt Ion: 105 Resp: 20977

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

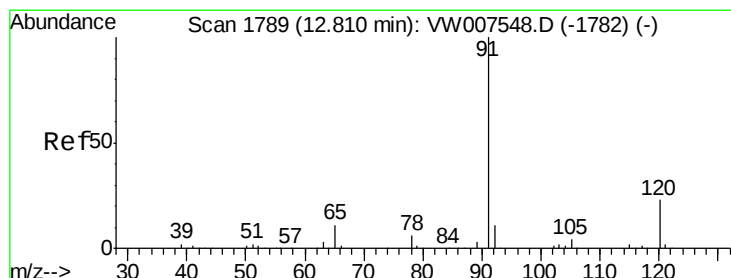
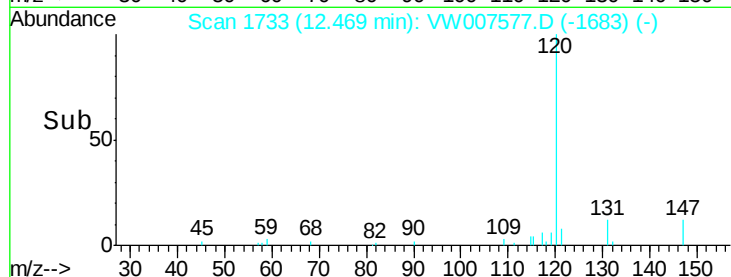
15000

10000

5000

0

Time-->



#78

n-propylbenzene

Concen: 19.284 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007577.D

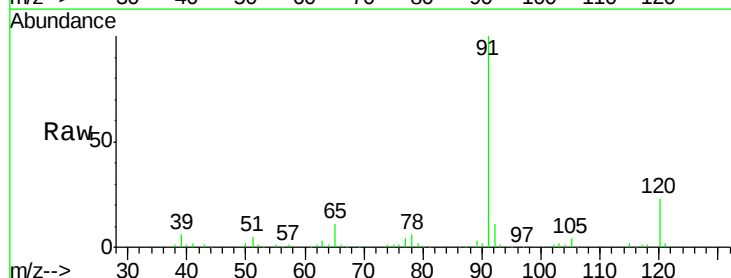
Acq: 15 Dec 2018 13:08

Tgt Ion: 91 Resp: 54029

Ion Ratio Lower Upper

91 100

120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

40000

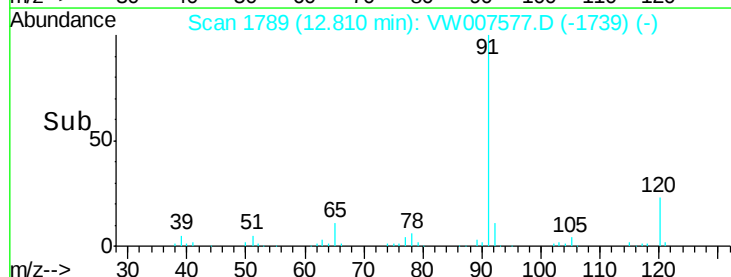
30000

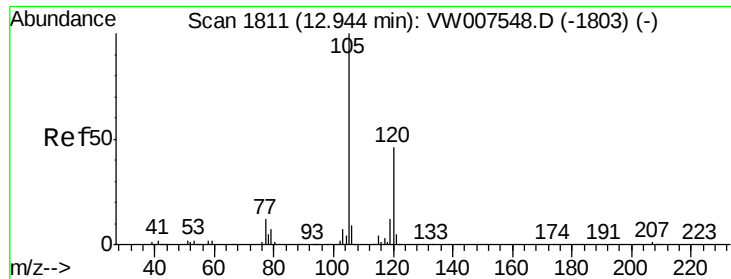
20000

10000

0

Time-->

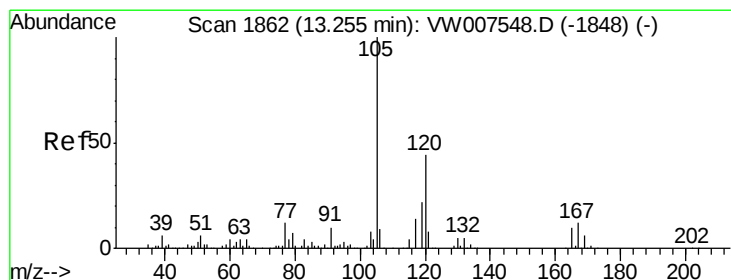
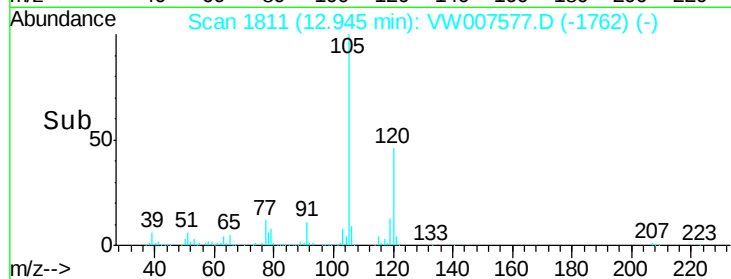
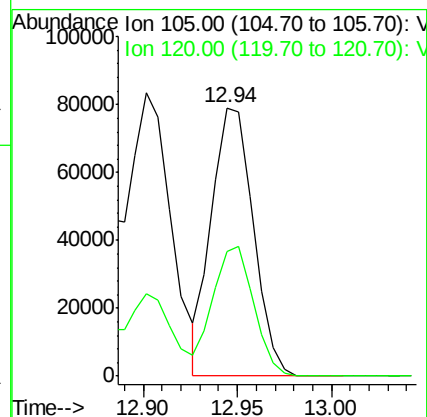
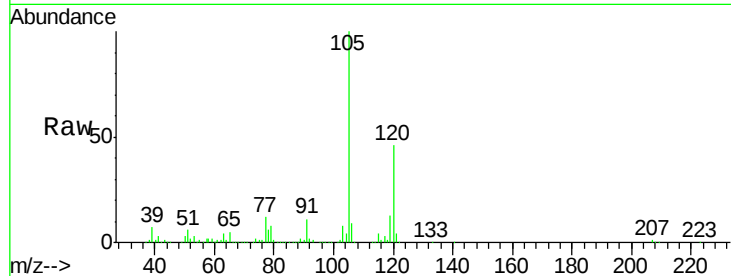




#80
 1,3,5-Trimethylbenzene
 Concen: 58.370 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007577.D
 Acq: 15 Dec 2018 13:08

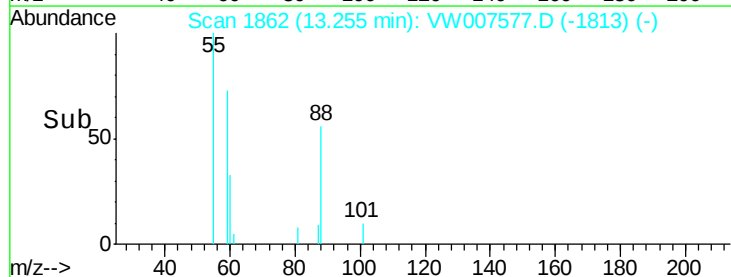
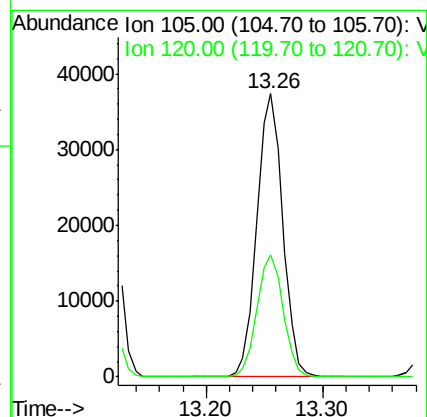
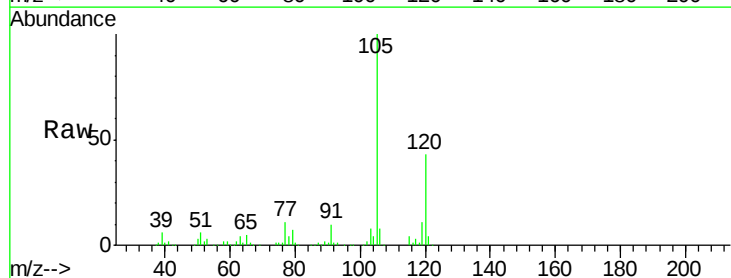
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

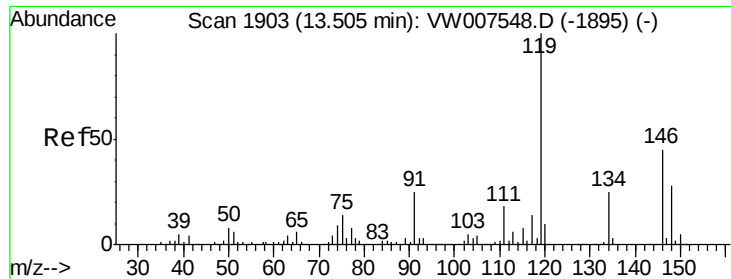
Tgt Ion:105 Resp: 122103
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.8 71.4



#84
 1,2,4-Trimethylbenzene
 Concen: 26.885 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007577.D
 Acq: 15 Dec 2018 13:08

Tgt Ion:105 Resp: 57874
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.7

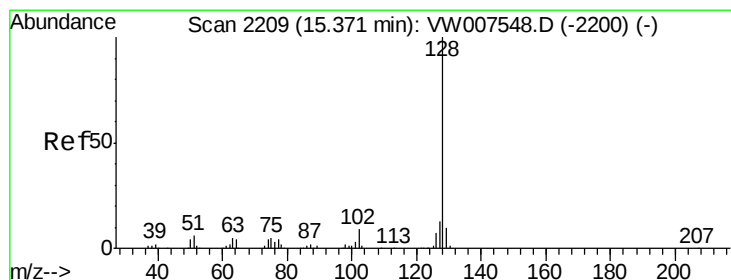
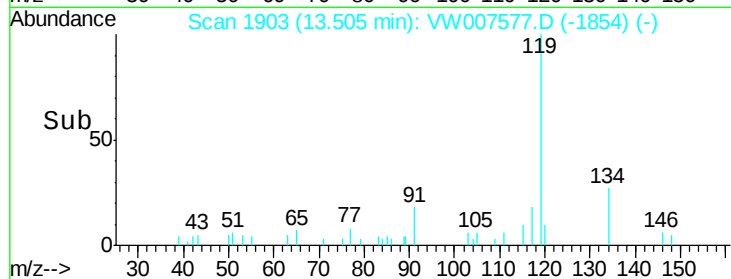
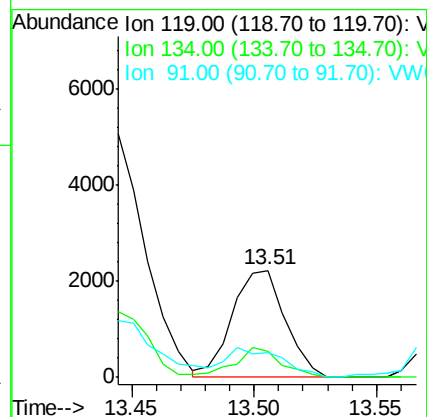
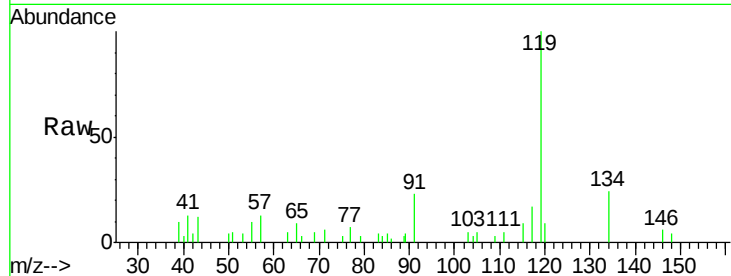




#86
p-Isopropyltoluene
Concen: 1.477 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW007577.D
Acq: 15 Dec 2018 13:08

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

Tgt Ion:119 Resp: 3338
Ion Ratio Lower Upper
119 100
134 24.5 12.9 38.7
91 29.0 11.9 35.9



#95
Naphthalene
Concen: 11.796 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007577.D
Acq: 15 Dec 2018 13:08

Tgt Ion:128 Resp: 15304
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 13.3 8.3 12.5#

