

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007877.D
 Acq On : 23 Dec 2018 07:52
 Operator : SY/AP
 Sample : J6446-05
 Misc : 6.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-1218-01

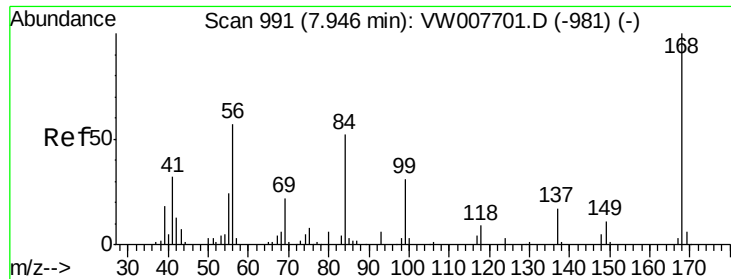
Quant Time: Dec 24 00:00:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	4453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	9695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	7788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1922	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	6437	131.89	ug/l	0.00
Spiked Amount			Recovery	=	263.78%	
35) Dibromofluoromethane	7.89	113	4318	73.01	ug/l	0.00
Spiked Amount			Recovery	=	146.02%	
50) Toluene-d8	10.32	98	10272	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
62) 4-Bromofluorobenzene	12.62	95	3407	39.55	ug/l	0.00
Spiked Amount			Recovery	=	79.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1683	184.145	ug/l #	80
20) Methylene Chloride	4.92	84	144	Below Cal	#	68
25) 2-Butanone	7.19	43	122	11.396	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	349	3.730	ug/l #	40
37) Ethyl Acetate	7.19	43	122	3.778	ug/l #	68
38) Carbon Tetrachloride	7.94	117	453	4.111	ug/l #	11
52) Toluene	10.39	92	910	5.432	ug/l	92
67) Ethyl Benzene	11.74	91	439	1.518	ug/l #	81
68) m/p-Xylenes	11.83	106	1129	10.062	ug/l	99
69) o-Xylene	12.17	106	446	4.240	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	1610	108.379	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1610	227.496	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	195	1.542	ug/l	67
85) sec-Butylbenzene	13.26	105	195	1.287	ug/l #	56
86) p-Isopropyltoluene	13.51	119	173	1.255	ug/l #	49
95) Naphthalene	15.38	128	228	3.002	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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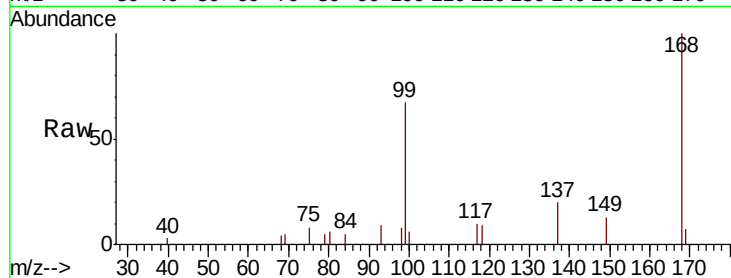
P001-SS026-1218-01

Tgt Ion:168 Resp: 4453

Ion Ratio Lower Upper

168 100

99 67.4 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

2000

1500

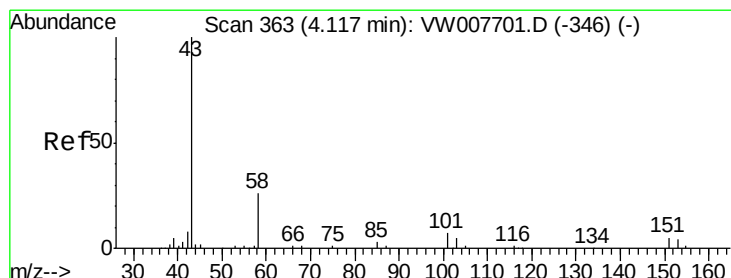
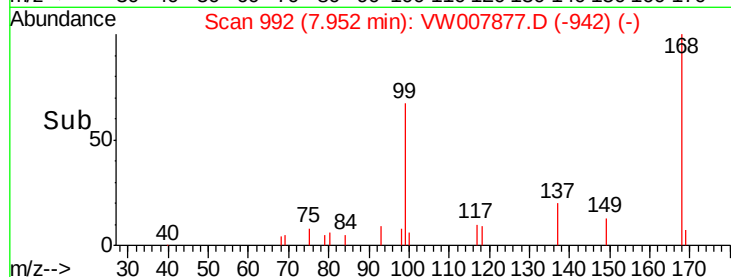
1000

500

0

7.90 7.95 8.00

Time-->



#16

Acetone

Concen: 184.145 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007877.D

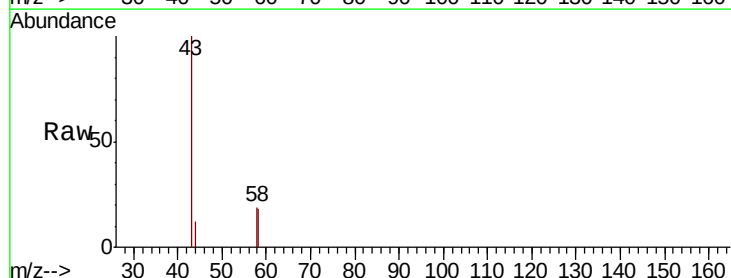
Acq: 23 Dec 2018 07:52

Tgt Ion: 43 Resp: 1683

Ion Ratio Lower Upper

43 100

58 36.7 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

600

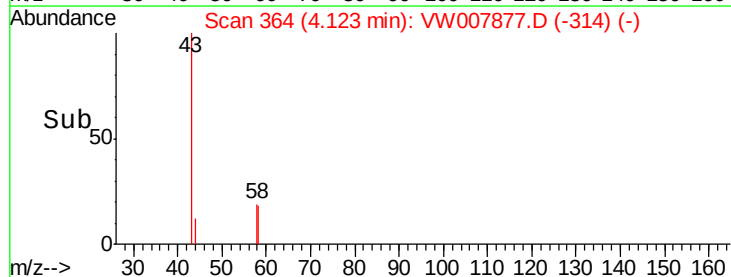
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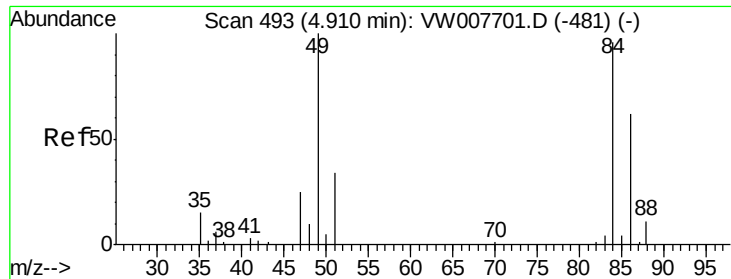
200

0

4.05 4.10 4.15 4.20

Time-->

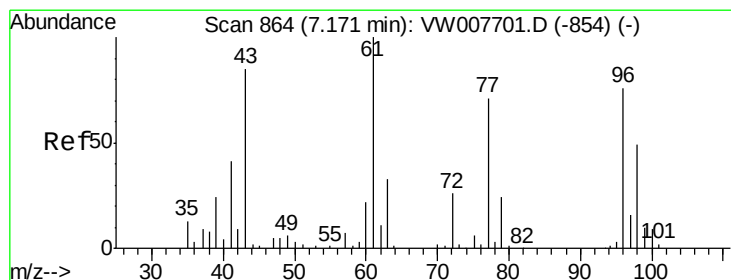
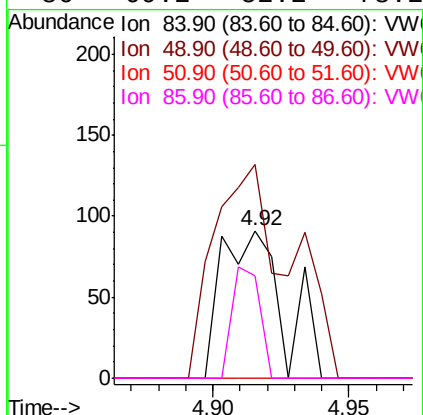
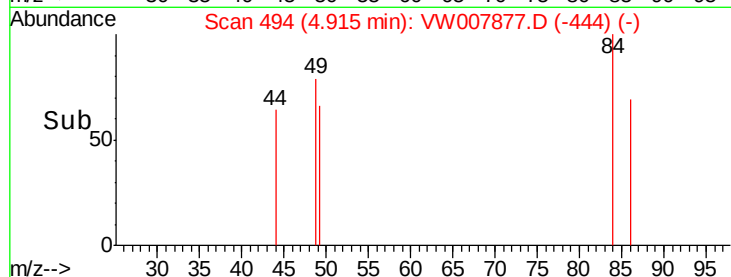
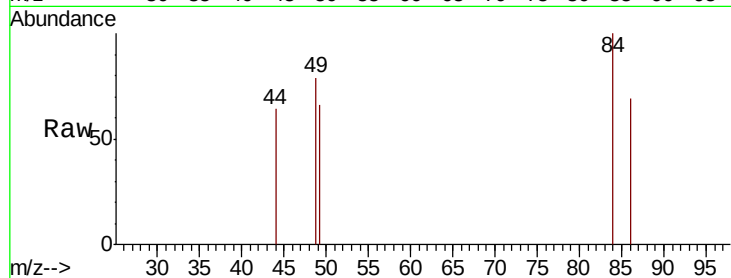




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

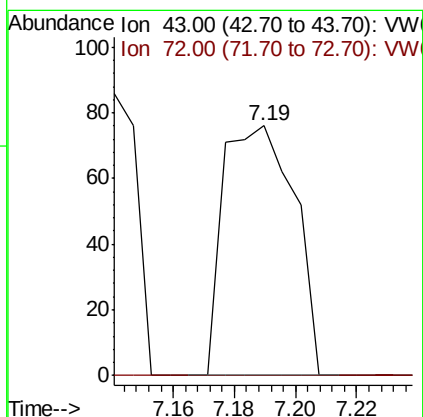
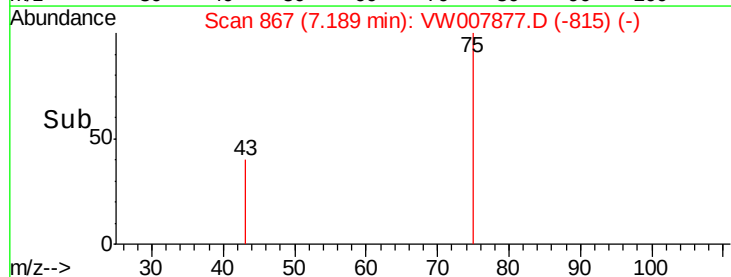
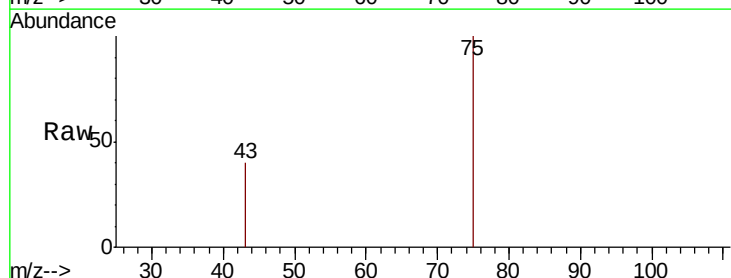
Instrument :
MSVOA_W
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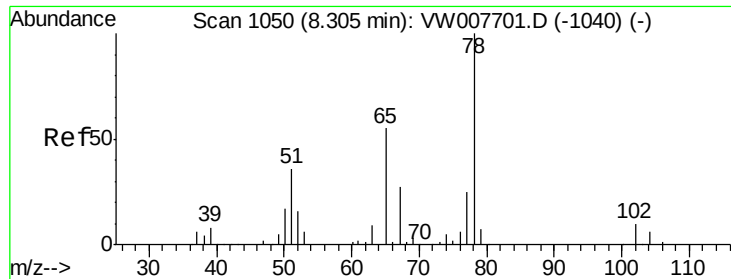
Tgt Ion: 84 Resp: 144
Ion Ratio Lower Upper
84 100
49 145.1 83.7 125.5#
51 0.0 28.2 42.2#
86 69.2 52.2 78.2



#25
2-Butanone
Concen: 11.396 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
72 0.0 24.5 36.7#

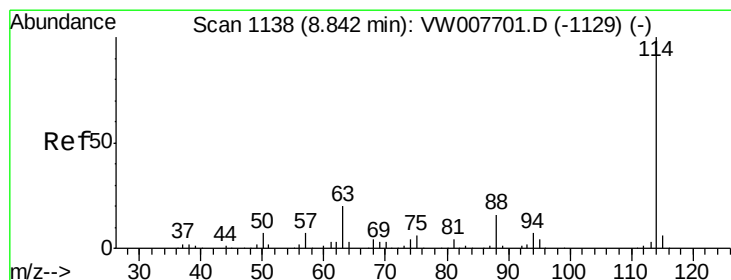
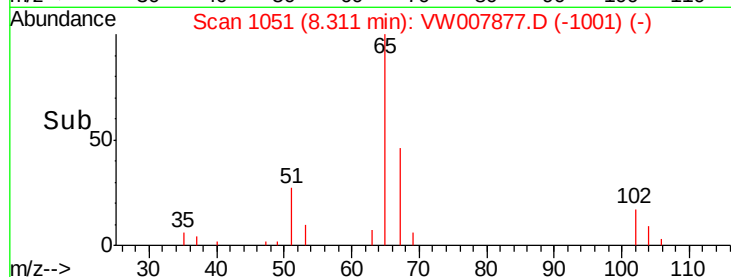
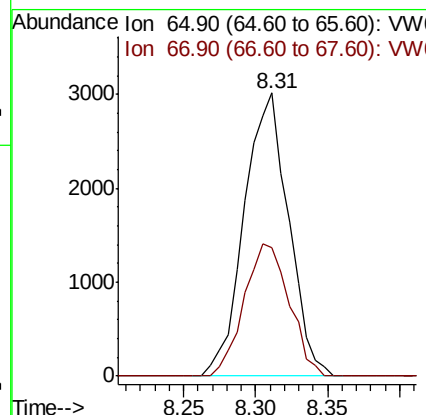
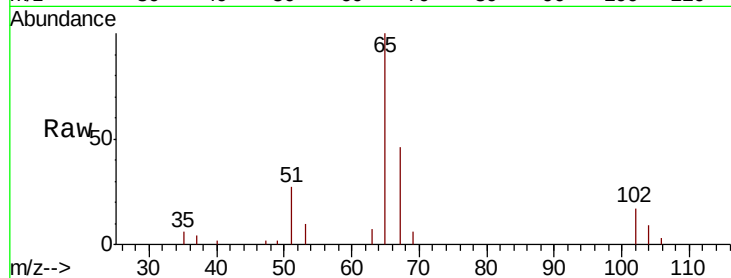




#33
 1,2-Dichloroethane-d4
 Concen: 131.887 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW007877.D
 Acq: 23 Dec 2018 07:52

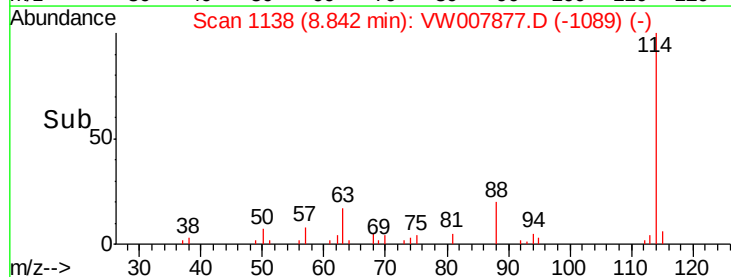
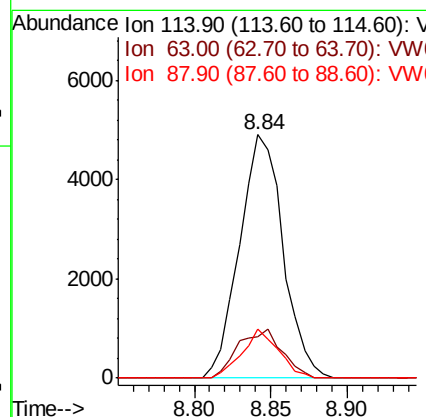
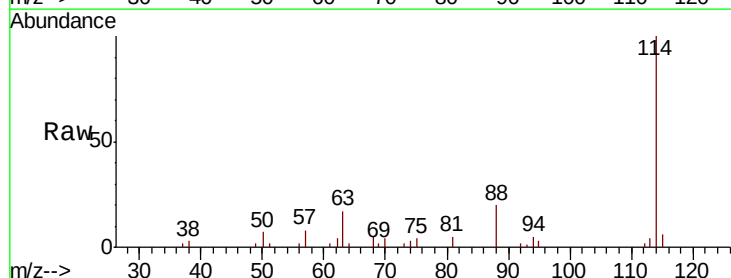
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-1218-01

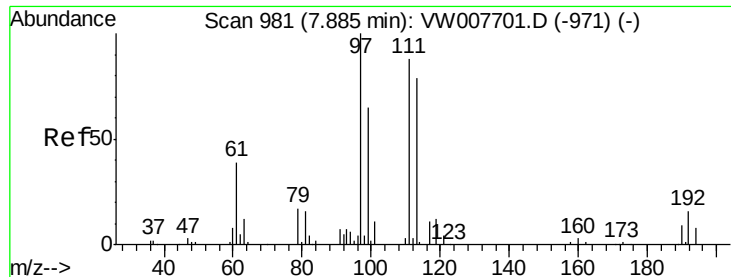
Tgt Ion: 65 Resp: 6437
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007877.D
 Acq: 23 Dec 2018 07:52

Tgt Ion: 114 Resp: 9695
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 40.0
 88 20.0 0.0 32.6

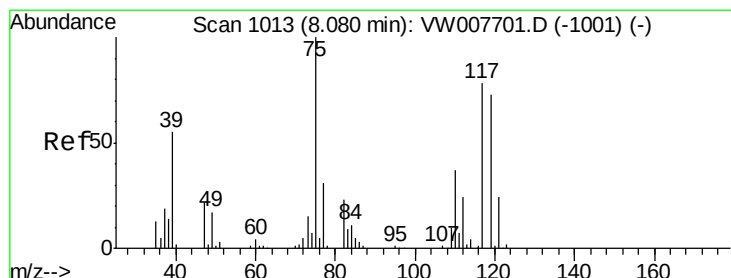
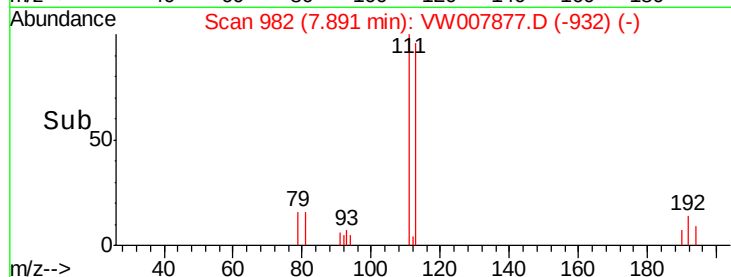
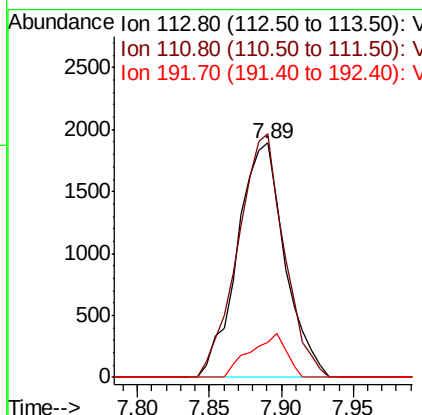
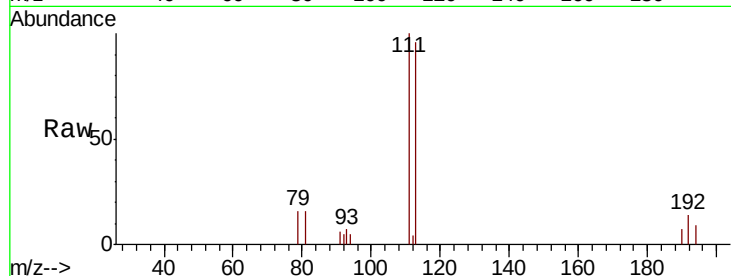




#35
 Dibromofluoromethane
 Concen: 73.008 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW007877.D
 Acq: 23 Dec 2018 07:52

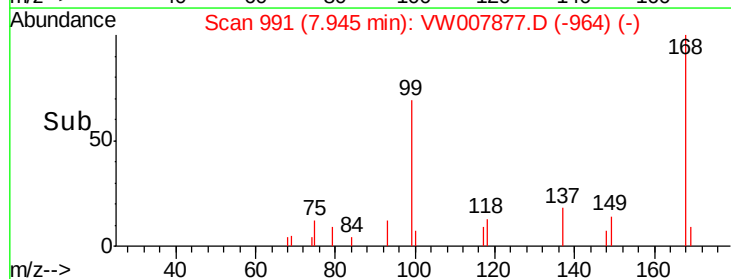
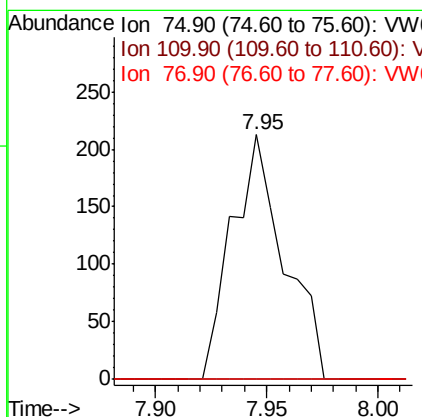
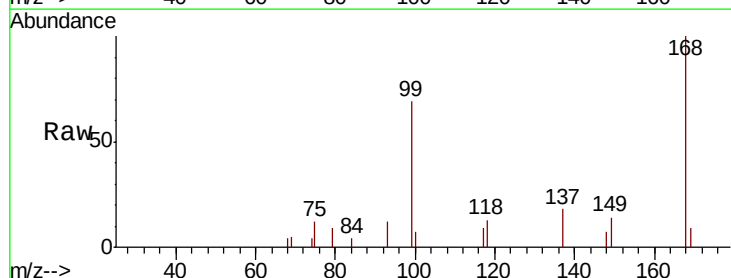
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-1218-01

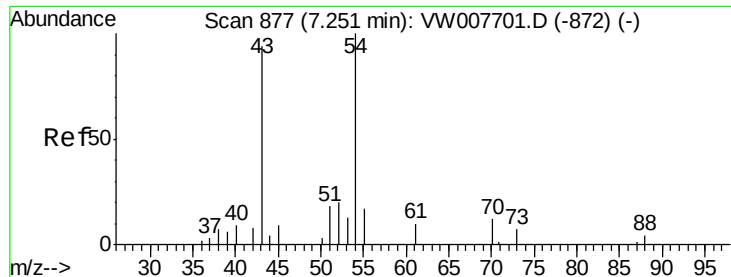
Tgt Ion: 113 Resp: 4318
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.6 124.0
 192 14.2 15.5 23.3#



#36
 1,1-Dichloropropene
 Concen: 3.730 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007877.D
 Acq: 23 Dec 2018 07:52

Tgt Ion: 75 Resp: 349
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 55.8#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.778 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.06 min

Lab File: VW007877.D

Acq: 23 Dec 2018 07:52

Instrument :

MSVOA_W

ClientSampleId :

P001-SS026-1218-01

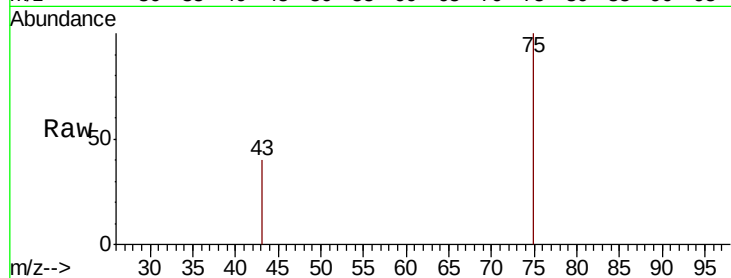
Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

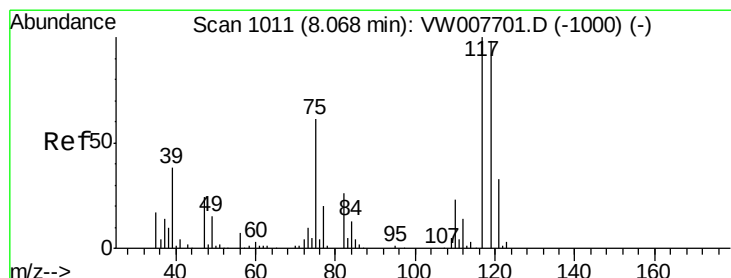
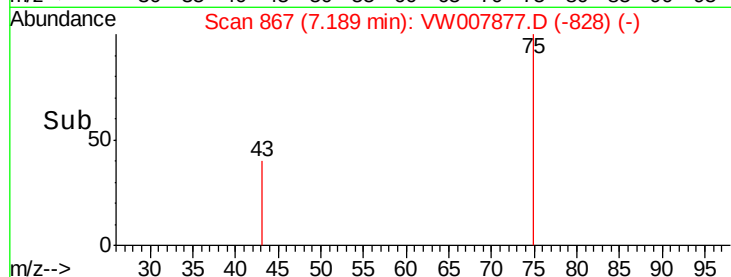
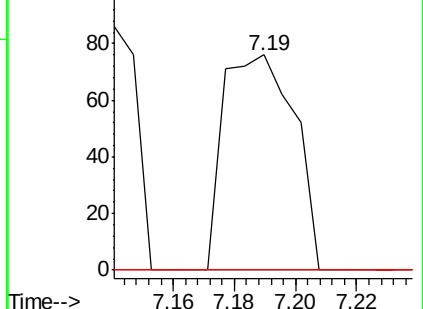
70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 4.111 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW007877.D

Acq: 23 Dec 2018 07:52

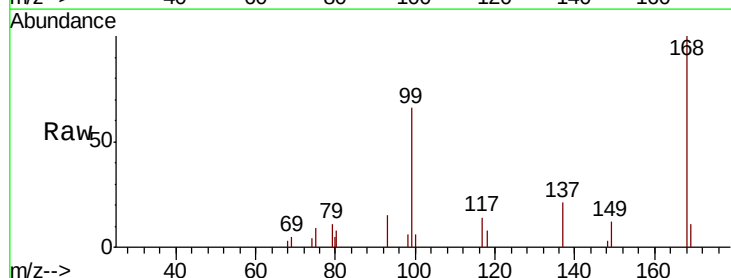
Tgt Ion: 117 Resp: 453

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

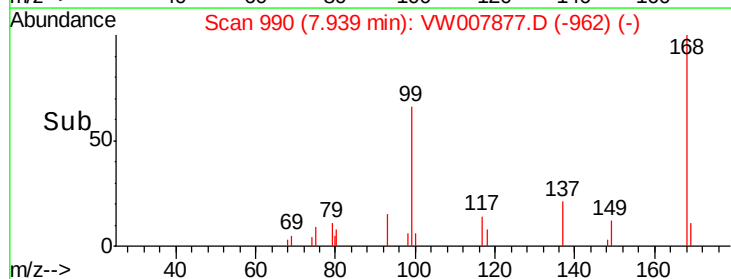
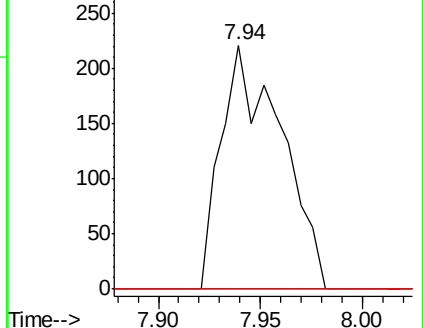
121 0.0 26.1 39.1#

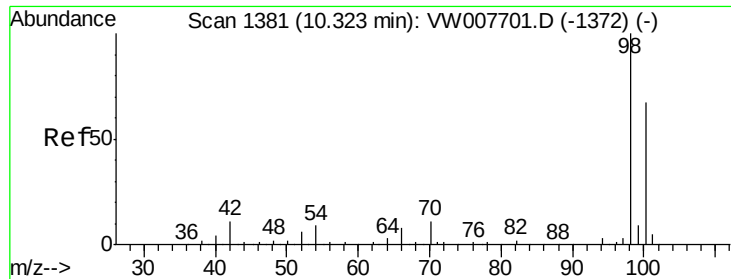


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.070 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007877.D

Acq: 23 Dec 2018 07:52

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MSVOA_W

ClientSampleId :

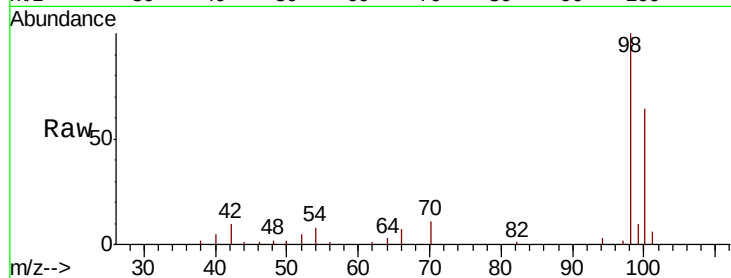
P001-SS026-1218-01

Tgt Ion: 98 Resp: 10272

Ion Ratio Lower Upper

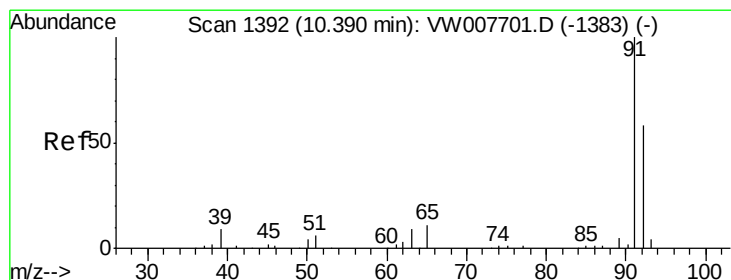
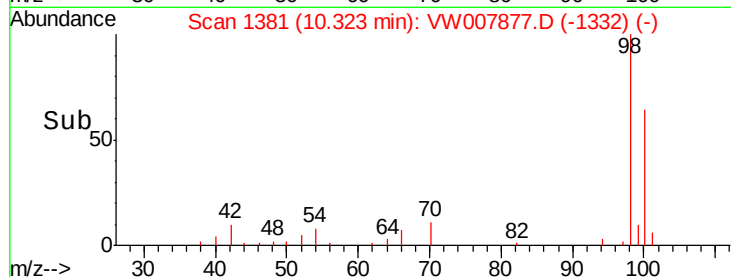
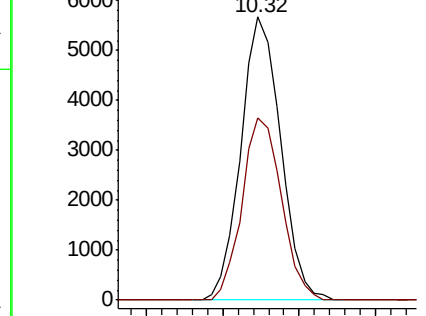
98 100

100 63.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 5.432 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007877.D

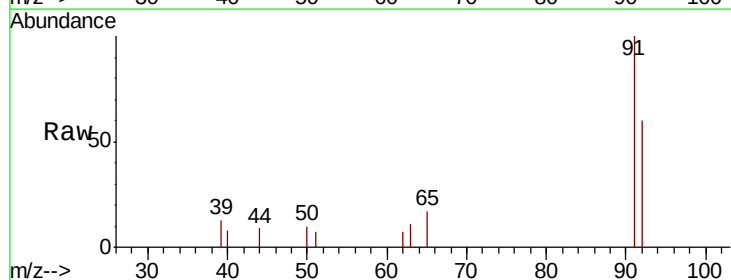
Acq: 23 Dec 2018 07:52

Tgt Ion: 92 Resp: 910

Ion Ratio Lower Upper

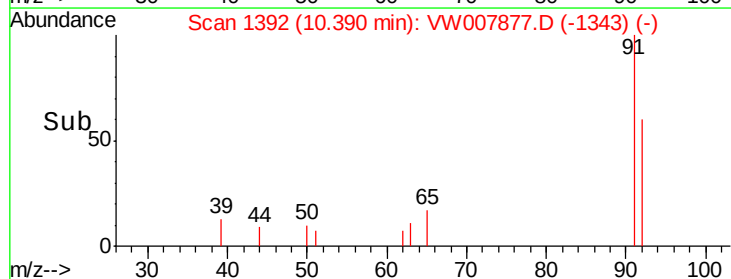
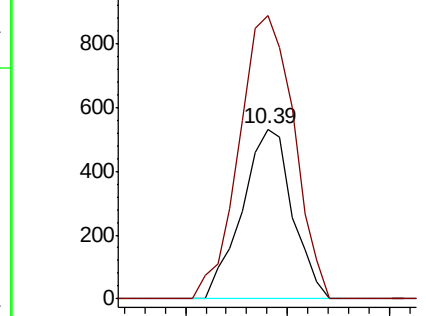
92 100

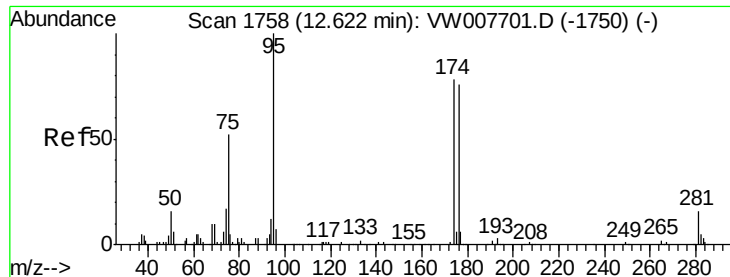
91 182.5 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 39.553 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007877.D

Acq: 23 Dec 2018 07:52

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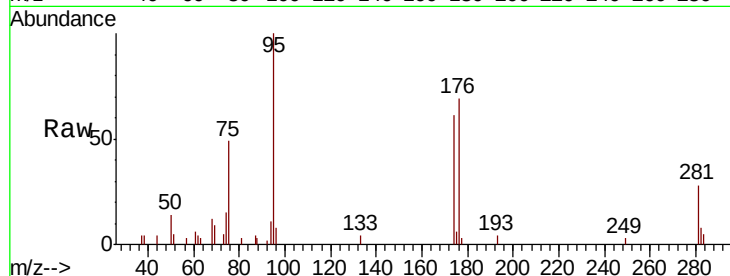
Tgt Ion: 95 Resp: 3407

Ion Ratio Lower Upper

95 100

174 66.6 0.0 152.2

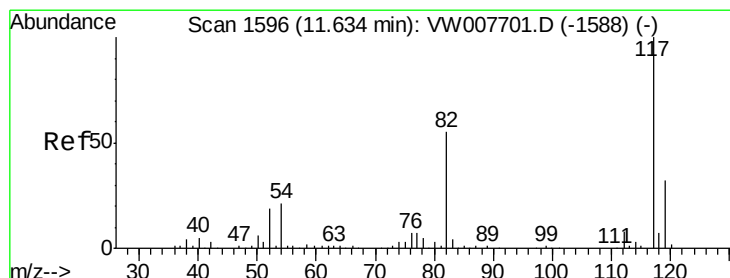
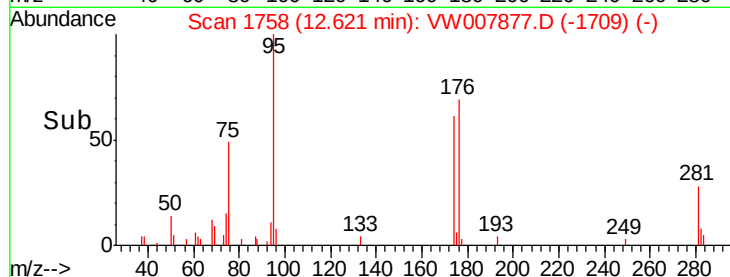
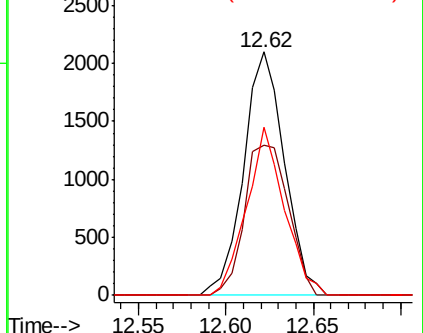
176 64.0 0.0 146.8



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: VW007877.D

Acq: 23 Dec 2018 07:52

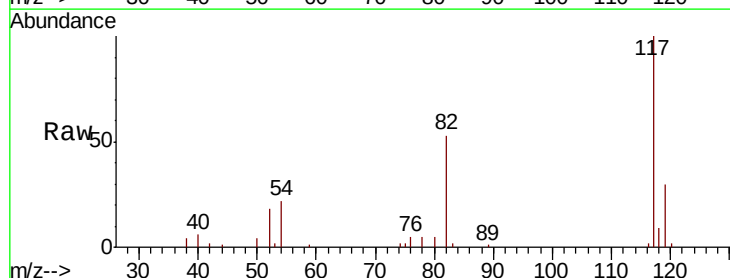
Tgt Ion: 117 Resp: 7788

Ion Ratio Lower Upper

117 100

82 53.0 44.3 66.5

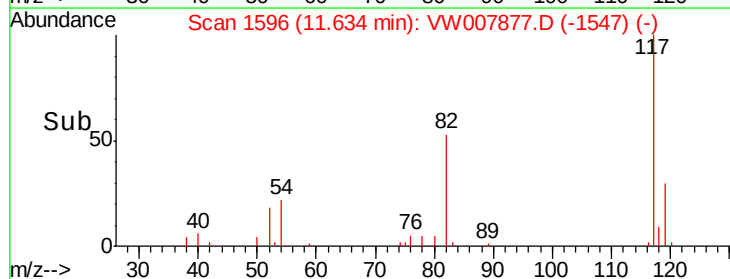
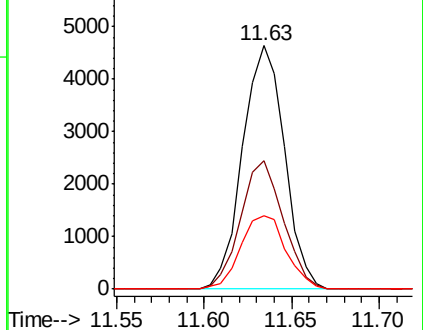
119 30.4 25.7 38.5

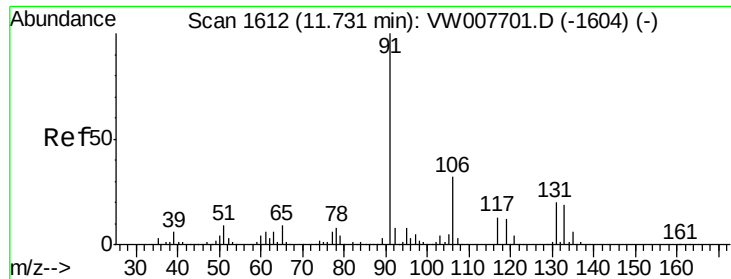


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

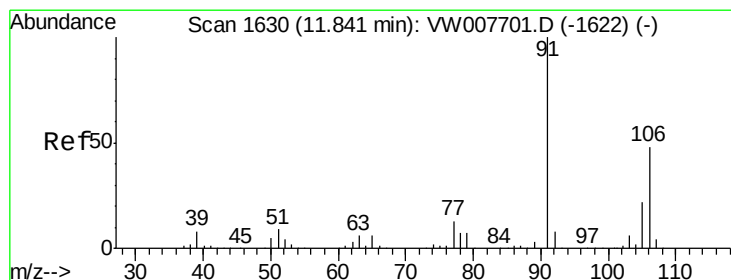
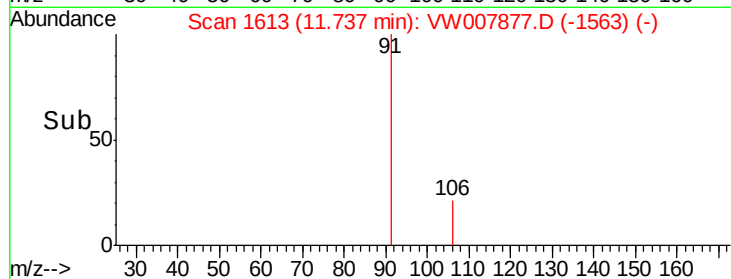
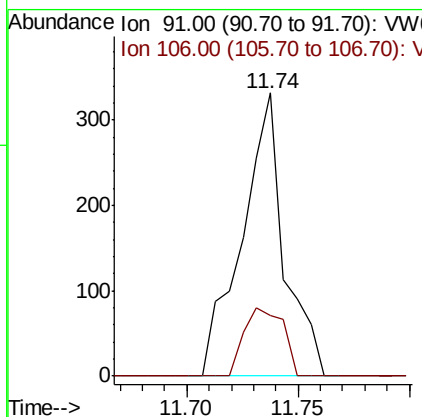
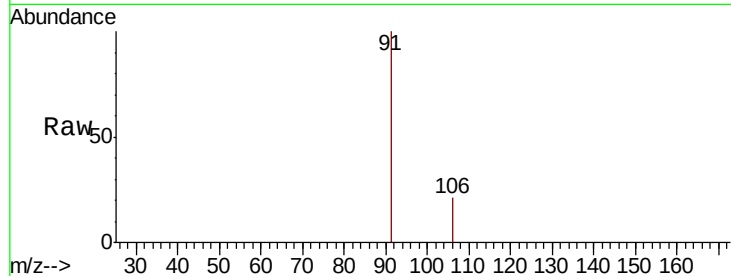




#67
Ethyl Benzene
Concen: 1.518 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

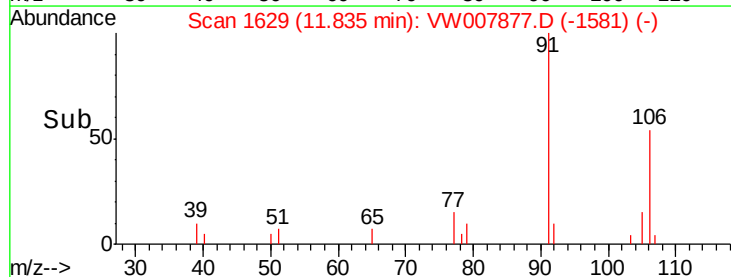
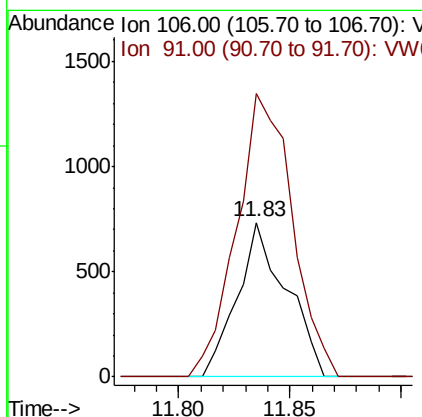
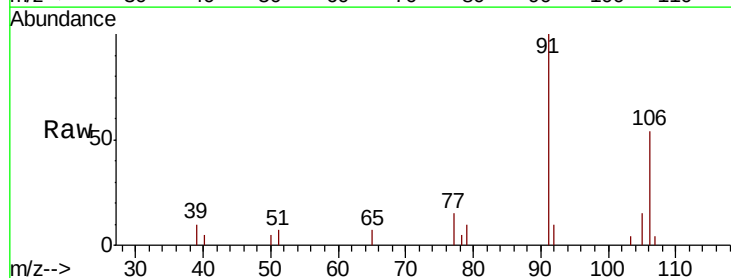
Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-1218-01

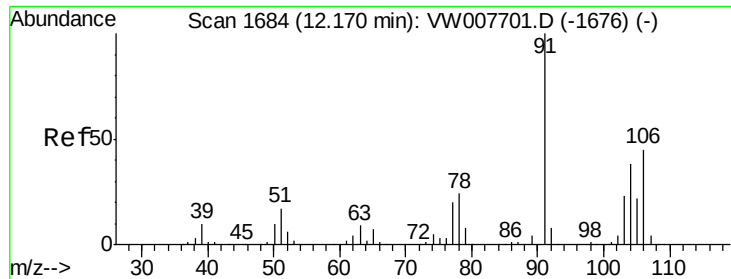
Tgt Ion: 91 Resp: 439
Ion Ratio Lower Upper
91 100
106 21.4 25.8 38.8#



#68
m/p-Xylenes
Concen: 10.062 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

Tgt Ion: 106 Resp: 1129
Ion Ratio Lower Upper
106 100
91 208.0 165.2 247.8

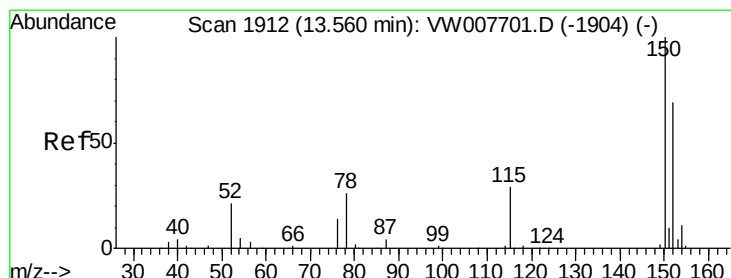
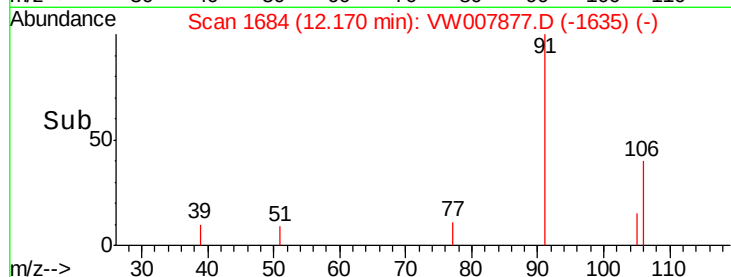
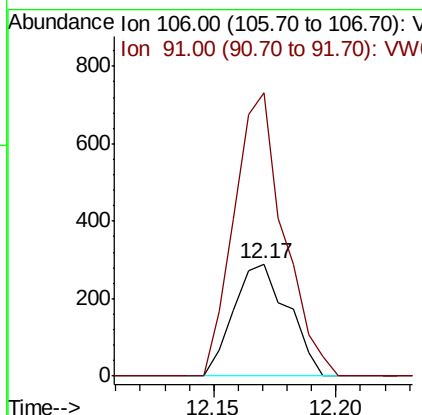
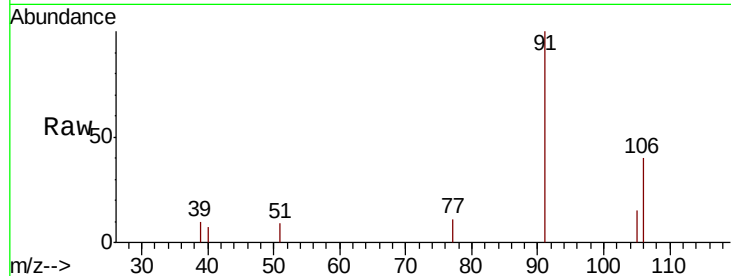




#69
o-Xylene
Concen: 4.240 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

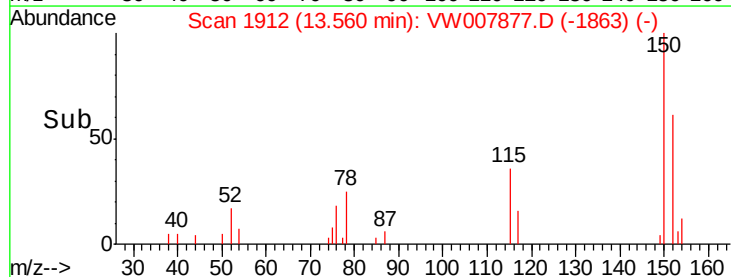
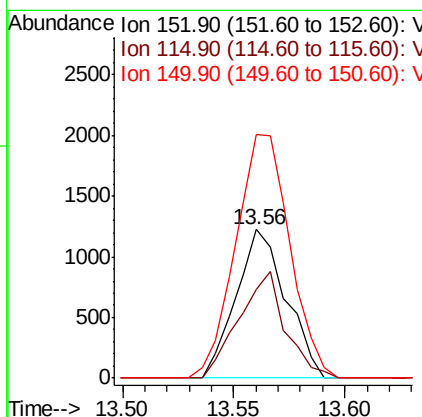
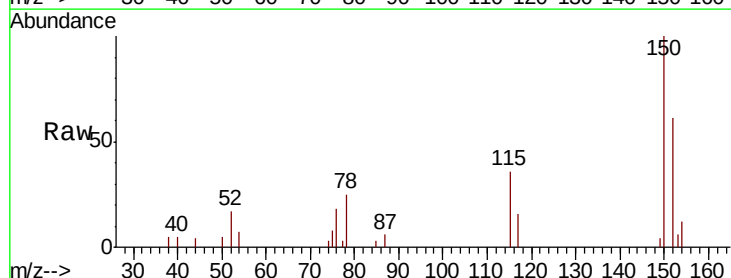
Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-1218-01

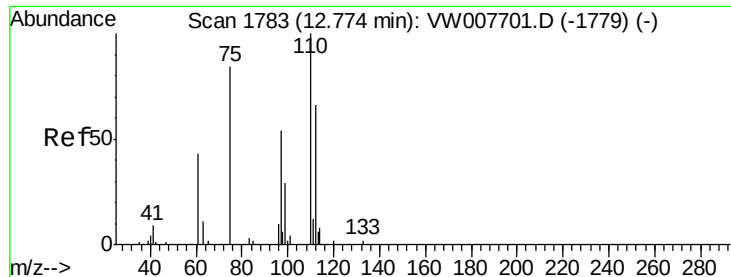
Tgt Ion:106 Resp: 446
Ion Ratio Lower Upper
106 100
91 231.8 110.5 331.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

Tgt Ion:152 Resp: 1922
Ion Ratio Lower Upper
152 100
115 66.2 31.8 95.4
150 177.3 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 108.379 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007877.D

Acq: 23 Dec 2018 07:52

Instrument :

MSVOA_W

ClientSampleId :

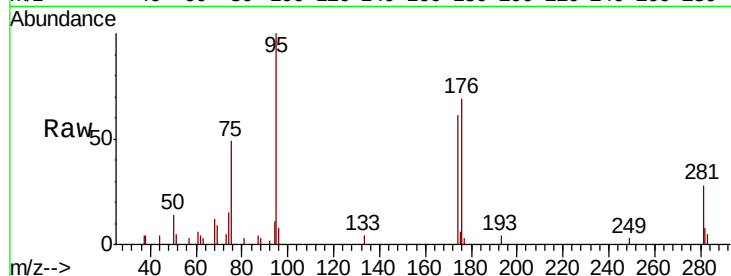
P001-SS026-1218-01

Tgt Ion: 75 Resp: 1610

Ion Ratio Lower Upper

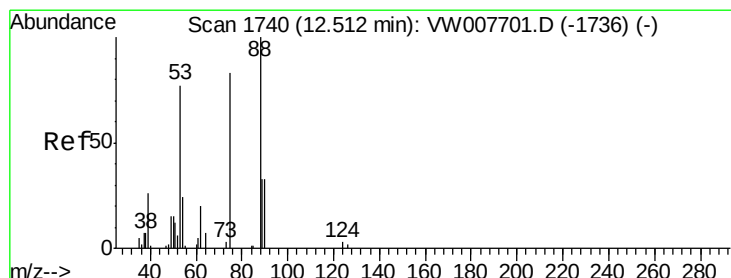
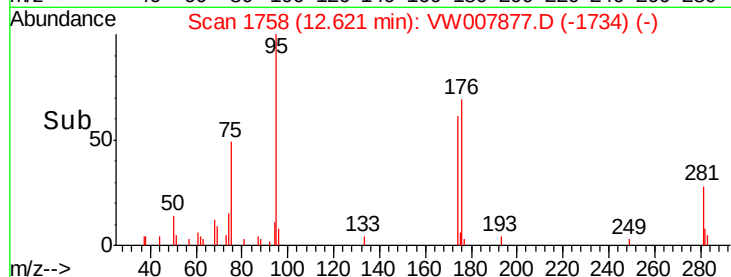
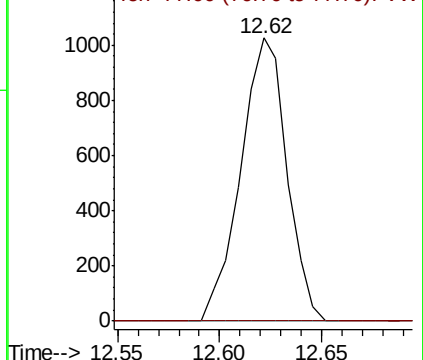
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 227.496 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007877.D

Acq: 23 Dec 2018 07:52

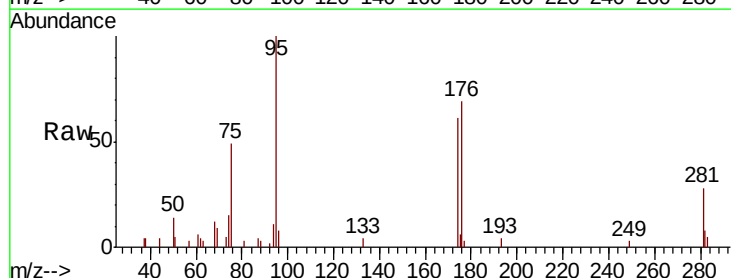
Tgt Ion: 75 Resp: 1610

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

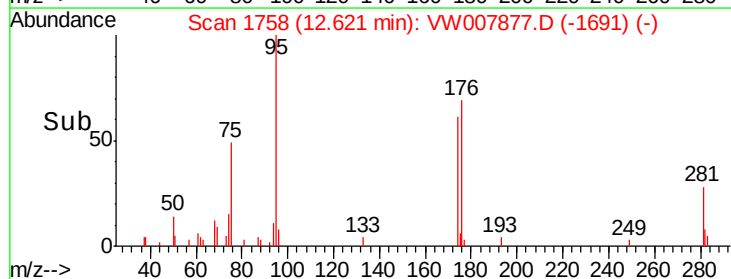
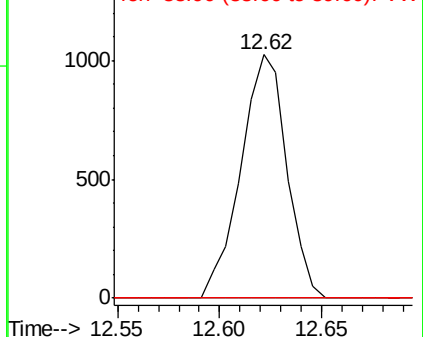
89 0.0 39.2 58.8#

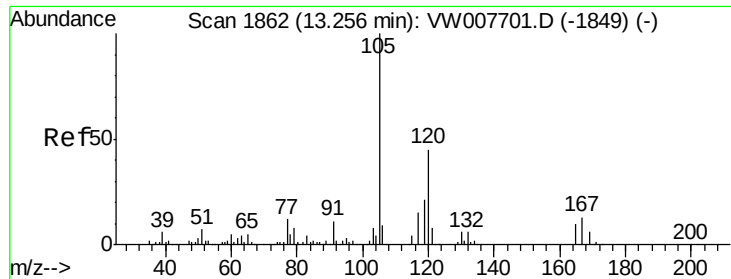


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

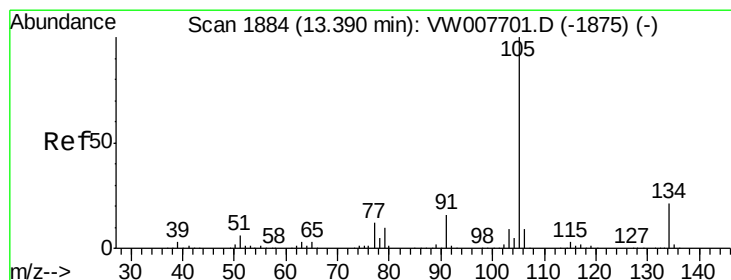
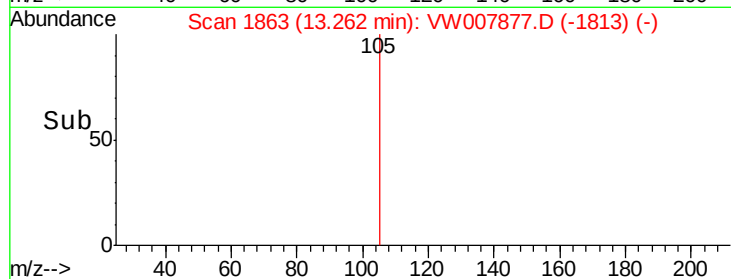
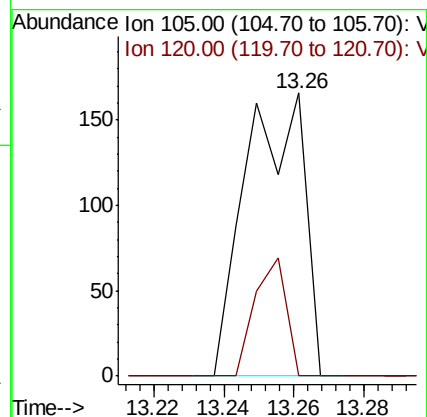
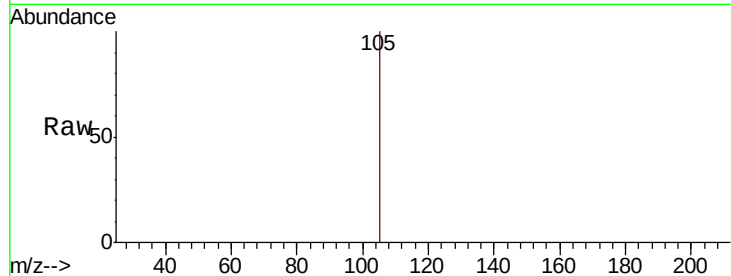




#84
1,2,4-Trimethylbenzene
Concen: 1.542 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

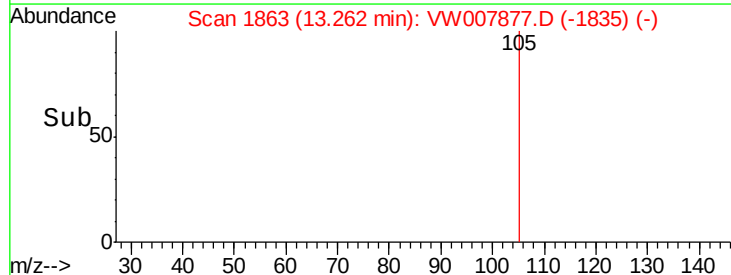
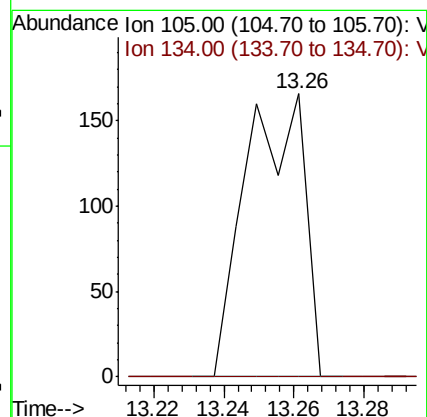
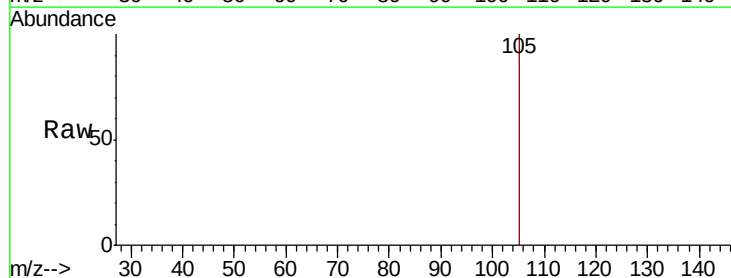
Instrument :
MSVOA_W
ClientSampleId :
P001-SS026-1218-01

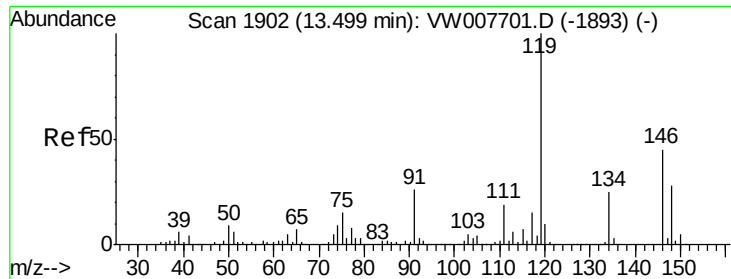
Tgt Ion:105 Resp: 195
Ion Ratio Lower Upper
105 100
120 22.6 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.287 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. -0.13 min
Lab File: VW007877.D
Acq: 23 Dec 2018 07:52

Tgt Ion:105 Resp: 195
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

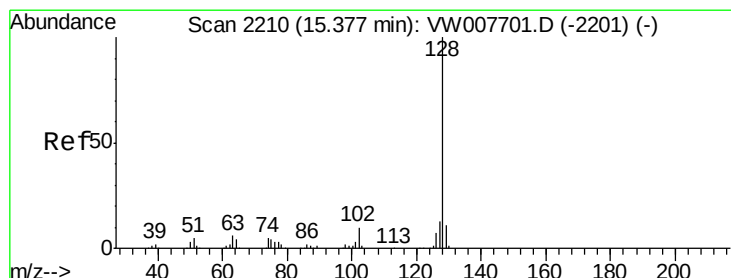
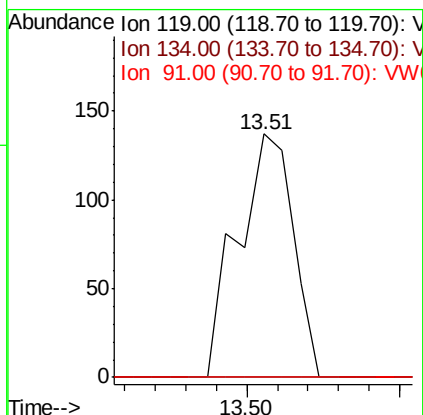
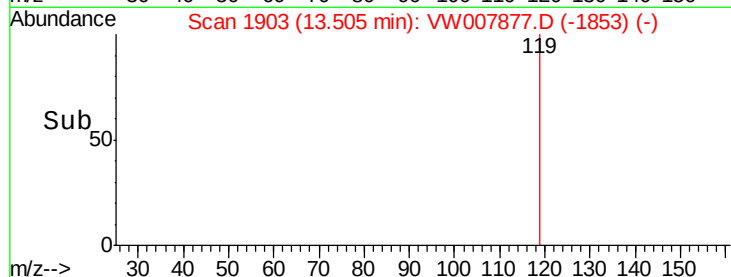
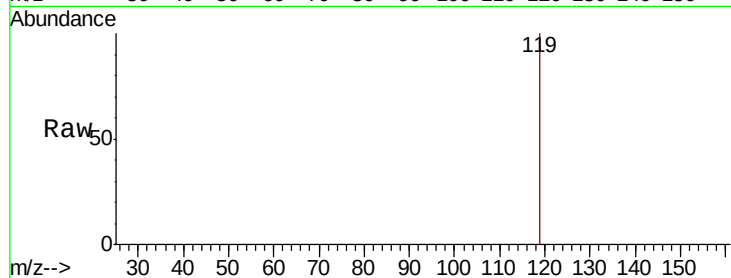




#86
 p-Isopropyltoluene
 Concen: 1.255 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007877.D
 Acq: 23 Dec 2018 07:52

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS026-1218-01

Tgt Ion:119 Resp: 173
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.0 39.0#
 91 0.0 12.8 38.4#



#95
 Naphthalene
 Concen: 3.002 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW007877.D
 Acq: 23 Dec 2018 07:52

Tgt Ion:128 Resp: 228
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.8 13.2#

