

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003909.D
 Acq On : 12 Jul 2018 20:33
 Operator : SY/AP
 Sample : J3947-03
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:56:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	145460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	244828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	66691	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	105081	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.88	113	87161	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.33	98	277853	42.39	ug/l	0.00
Spiked Amount			Recovery	=	84.78%	
62) 4-Bromofluorobenzene	12.62	95	77784	32.80	ug/l	0.00
Spiked Amount			Recovery	=	65.60%	

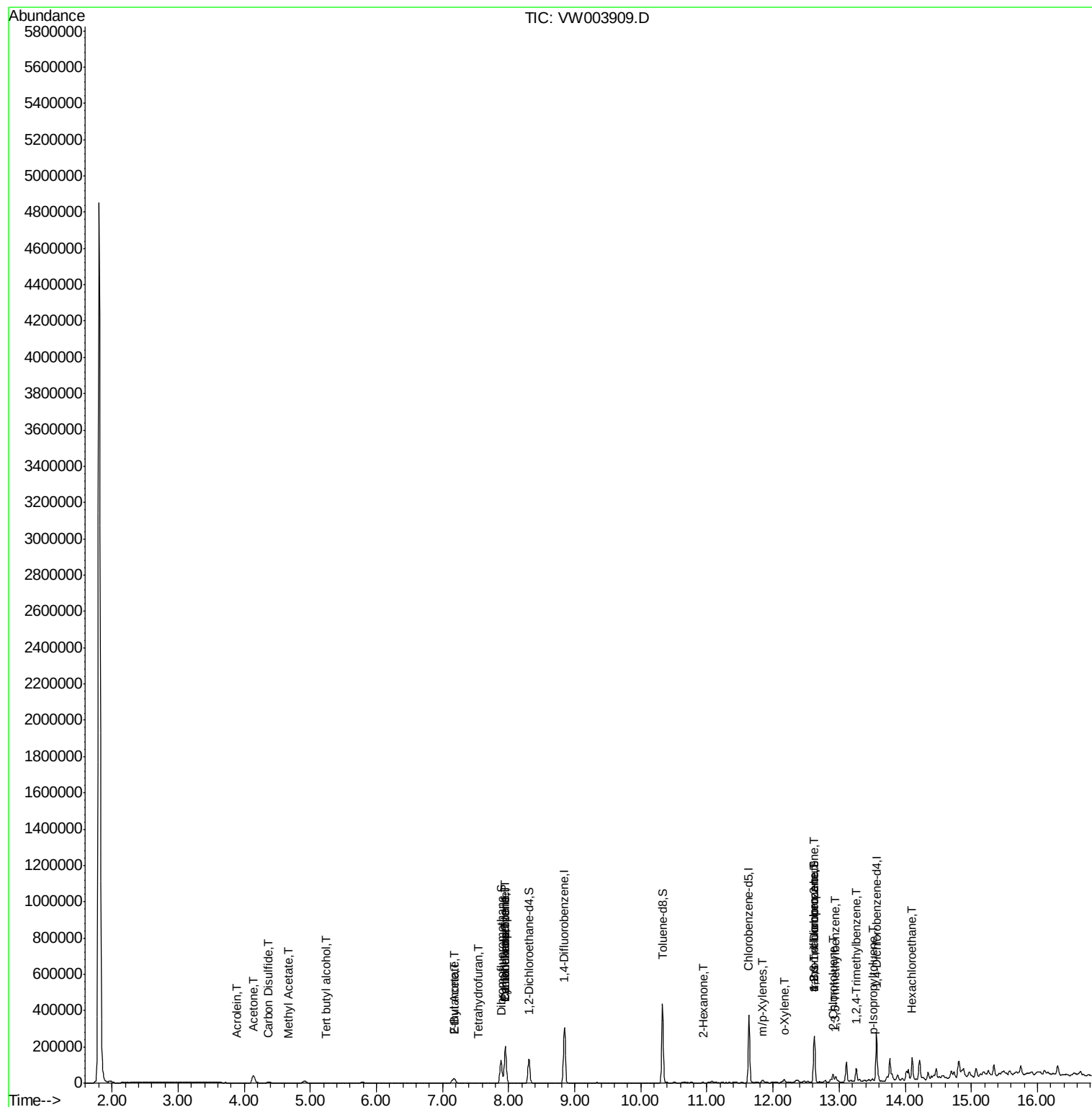
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	529	5.132	ug/l #	70
13) Acrolein	3.89	56	707	8.794	ug/l	85
16) Acetone	4.14	43	80786	244.785	ug/l	99
17) Carbon Disulfide	4.37	76	12849	2.868	ug/l	98
18) Methyl Acetate	4.67	43	945	1.016	ug/l #	54
25) 2-Butanone	7.18	43	26233	50.749	ug/l	98
29) Tetrahydrofuran	7.55	42	389	1.171	ug/l #	44
31) Cyclohexane	7.95	56	3949	1.423	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12495	4.810	ug/l #	50
37) Ethyl Acetate	7.18	43	26233	20.754	ug/l #	71
38) Carbon Tetrachloride	7.95	117	15090	6.110	ug/l #	16
59) 2-Hexanone	10.94	43	1877	2.205	ug/l #	27
68) m/p-Xylenes	11.85	106	3320	1.162	ug/l	100
69) o-Xylene	12.17	106	3971	1.506	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	42780	65.323	ug/l #	100
79) 2-Chlorotoluene	12.90	91	4720	1.449	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	7984	2.051	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	42780	159.797	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	38228	9.453	ug/l	97
86) p-Isopropyltoluene	13.51	119	5871	1.399	ug/l	96
90) Hexachloroethane	14.11	117	6990	8.647	ug/l #	10

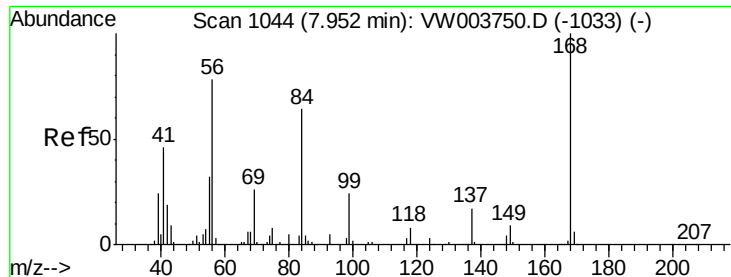
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

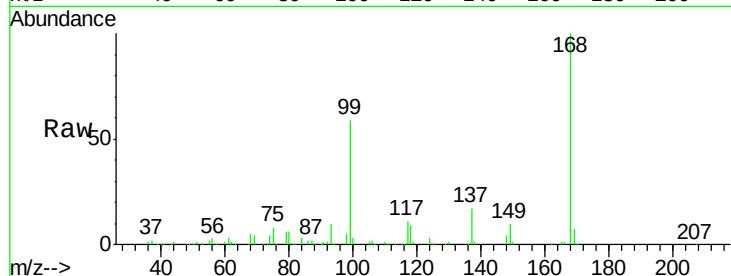
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 145460

Ion Ratio Lower Upper

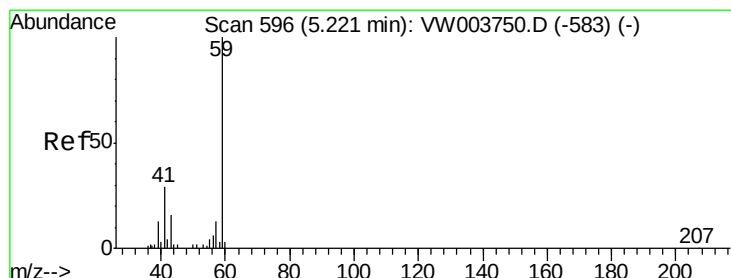
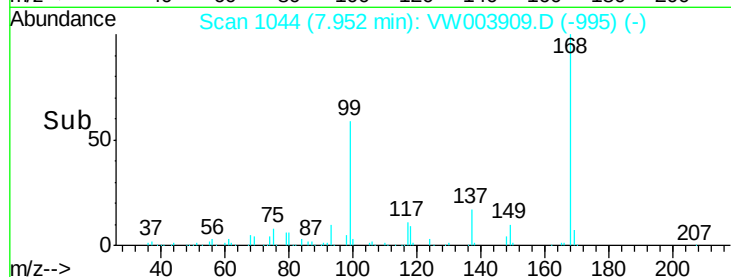
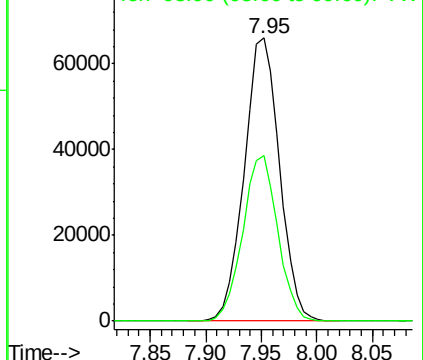
168 100

99 58.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.132 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003909.D

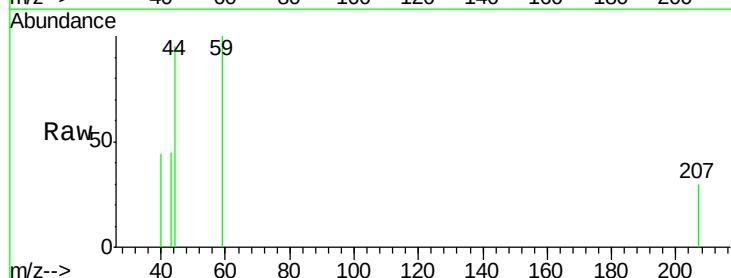
Acq: 12 Jul 2018 20:33

Tgt Ion: 59 Resp: 529

Ion Ratio Lower Upper

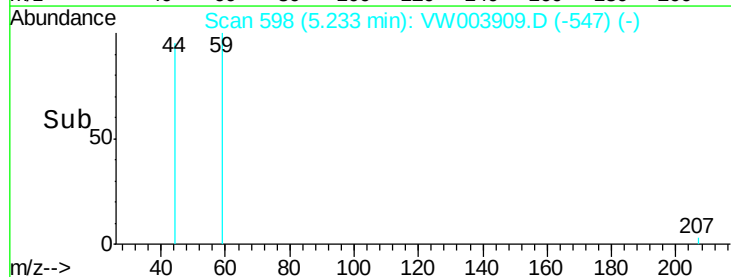
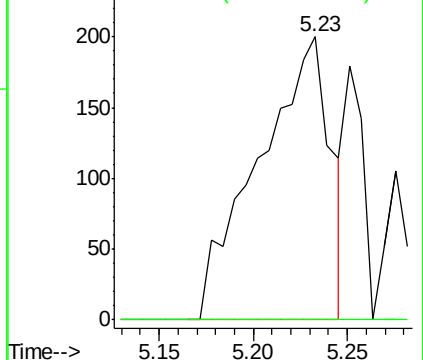
59 100

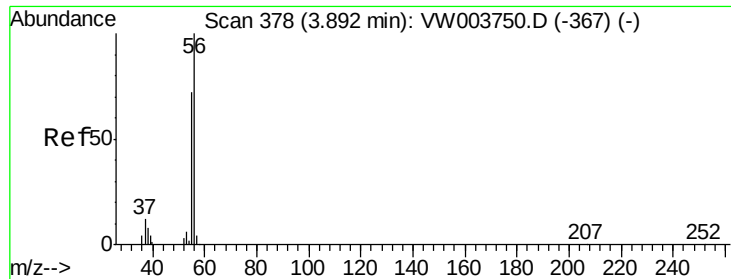
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 8.794 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

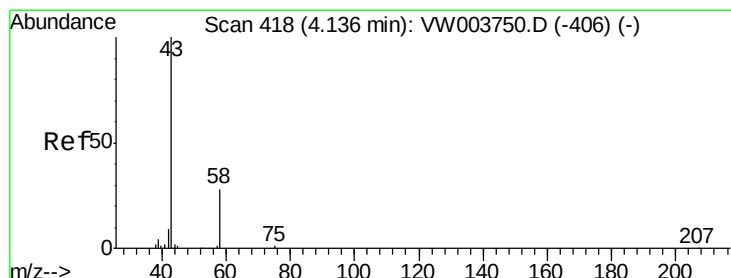
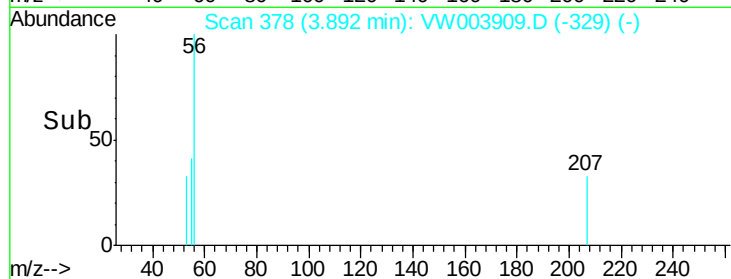
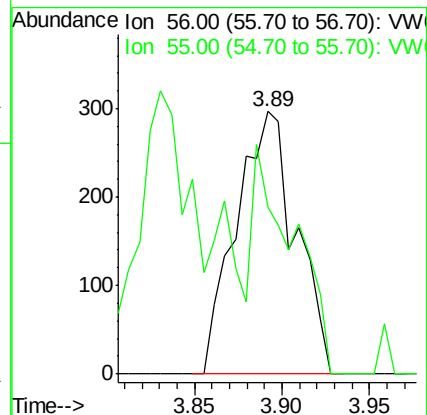
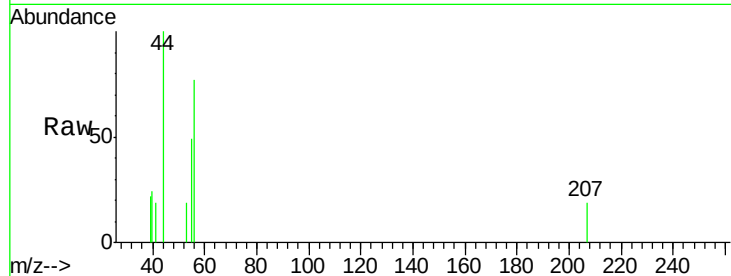
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 707

Ion Ratio Lower Upper

56 100

55 59.4 57.5 86.3



#16

Acetone

Concen: 244.785 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003909.D

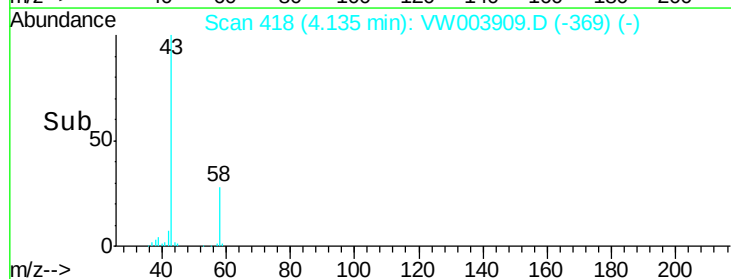
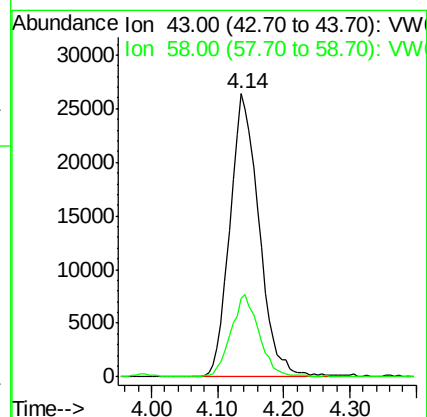
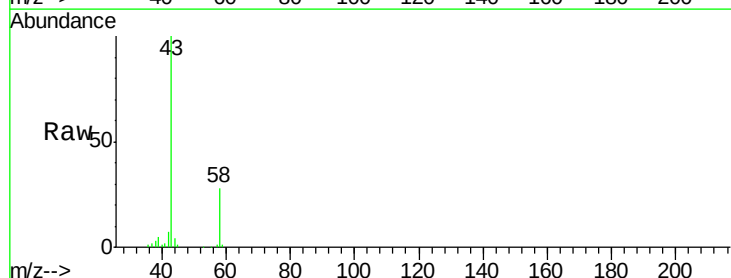
Acq: 12 Jul 2018 20:33

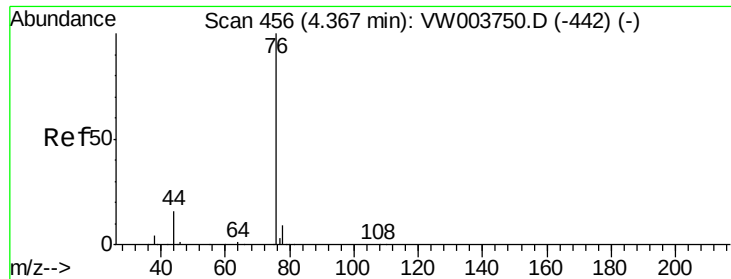
Tgt Ion: 43 Resp: 80786

Ion Ratio Lower Upper

43 100

58 27.9 22.6 34.0

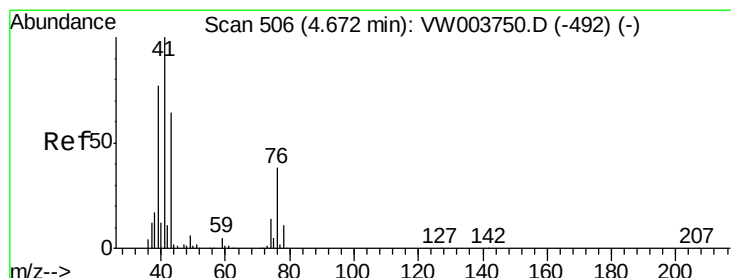
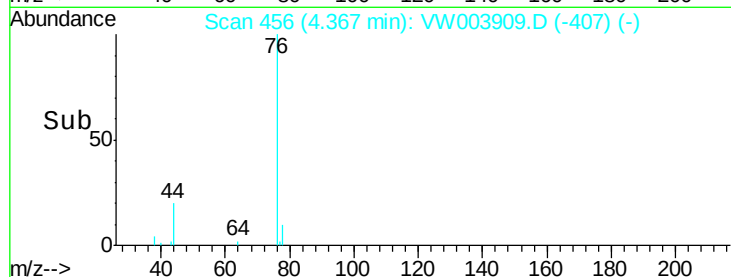
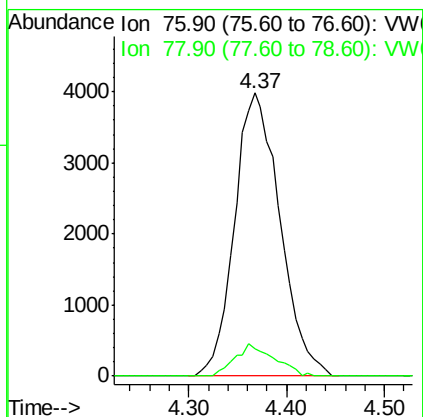
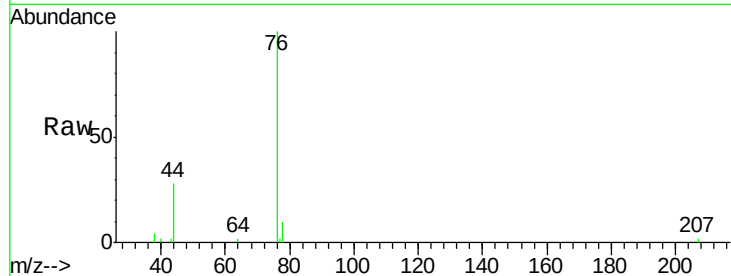




#17
Carbon Disulfide
Concen: 2.868 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

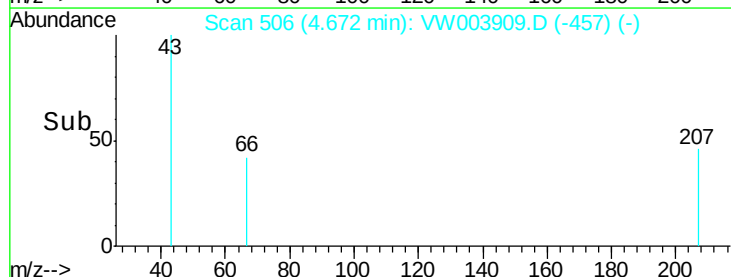
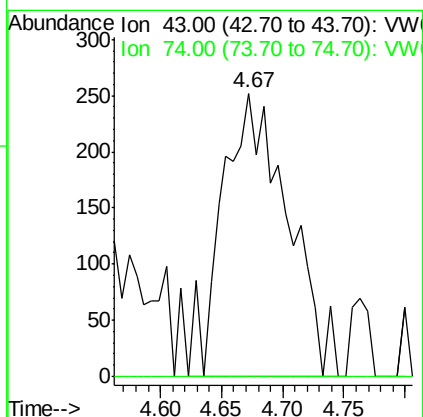
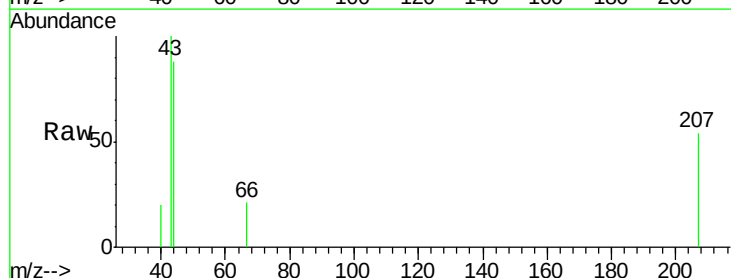
Instrument :
MSVOA_W
ClientSampleId :

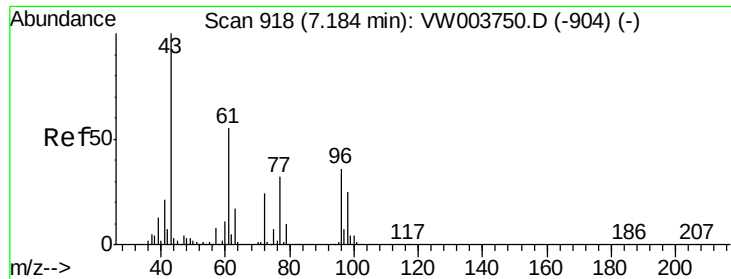
Tot Ion: 76 Resp: 12849
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.2



#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#





#25

2-Butanone

Concen: 50.749 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

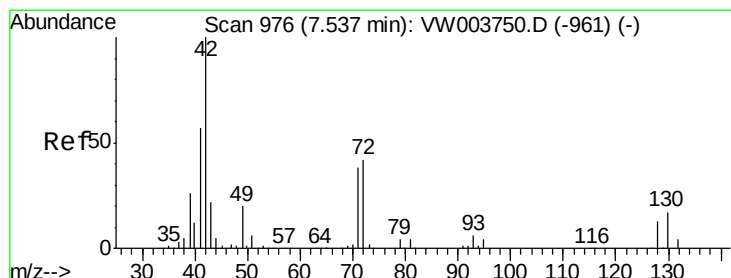
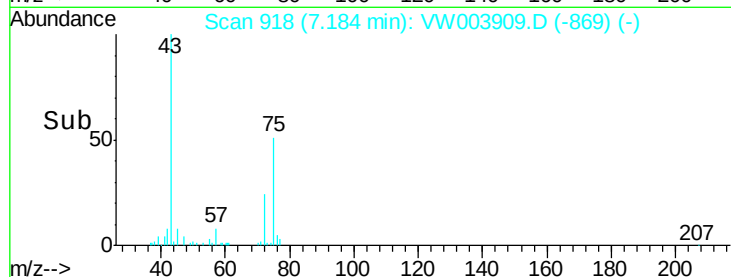
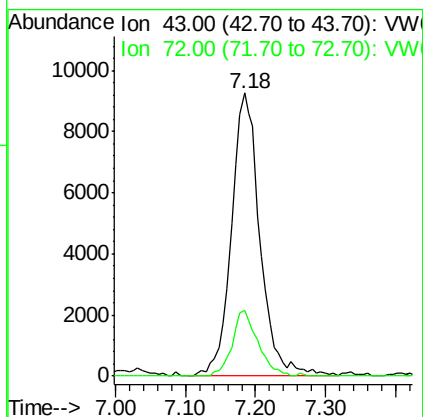
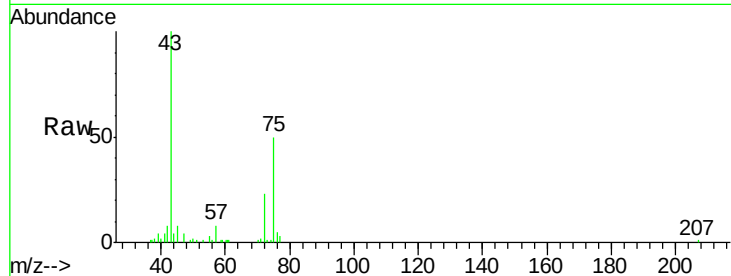
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 26233

Ion Ratio Lower Upper

43 100

72 23.4 19.4 29.2



#29

Tetrahydrofuran

Concen: 1.171 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

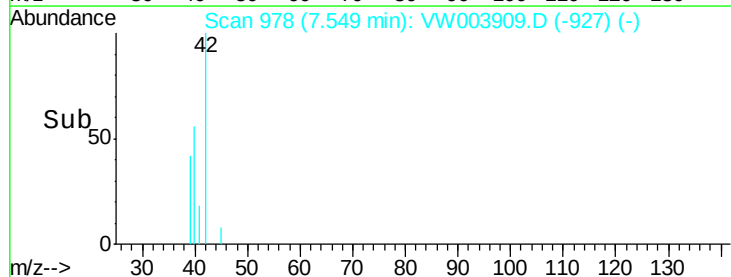
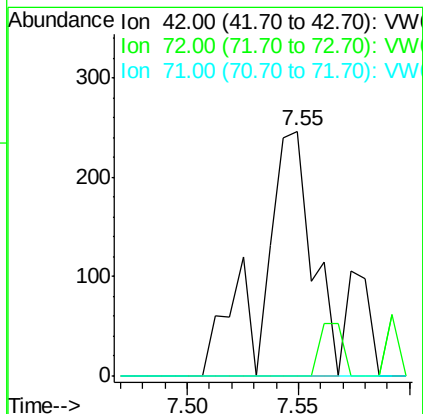
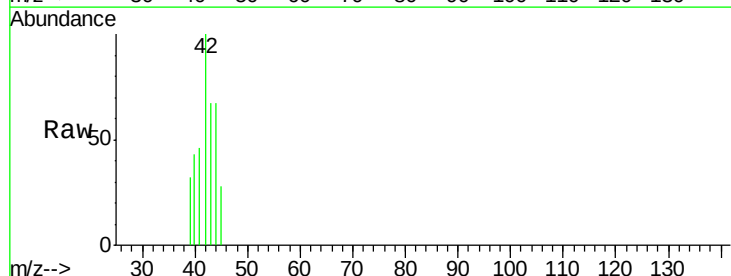
Tgt Ion: 42 Resp: 389

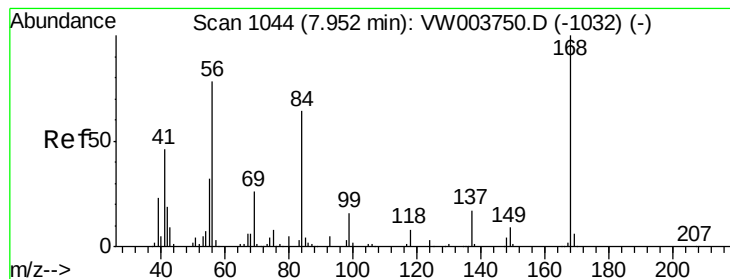
Ion Ratio Lower Upper

42 100

72 9.8 31.8 47.8#

71 0.0 30.3 45.5#





#31

Cyclohexane

Concen: 1.423 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

Instrument :
MSVOA_W
ClientSampled :

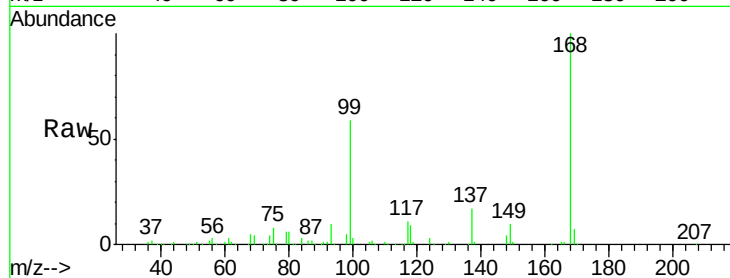
Tot Ion: 56 Resp: 3949

Ion Ratio Lower Upper

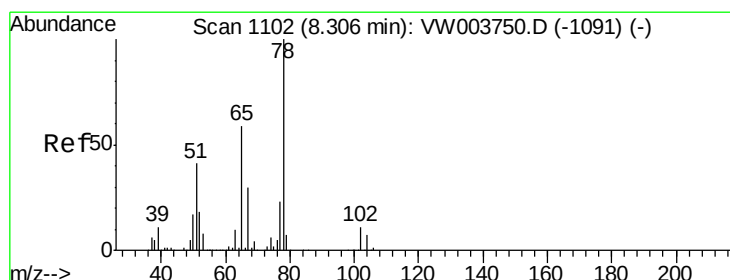
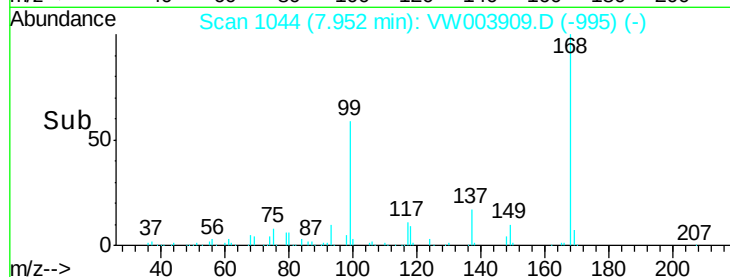
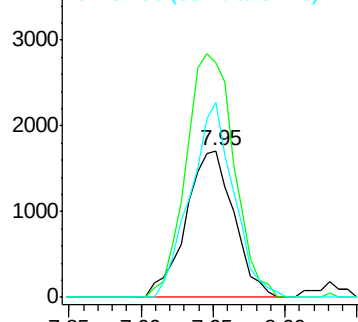
56 100

69 160.5 26.2 39.4#

84 133.3 65.5 98.3#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.241 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003909.D

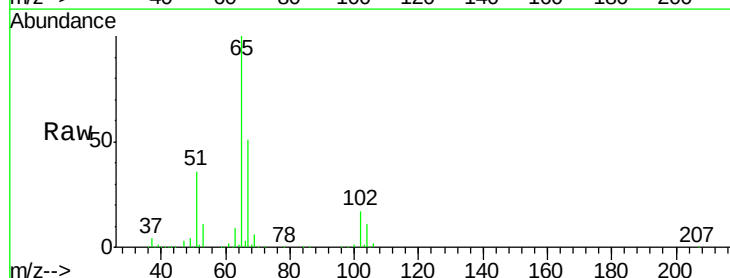
Acq: 12 Jul 2018 20:33

Tgt Ion: 65 Resp: 105081

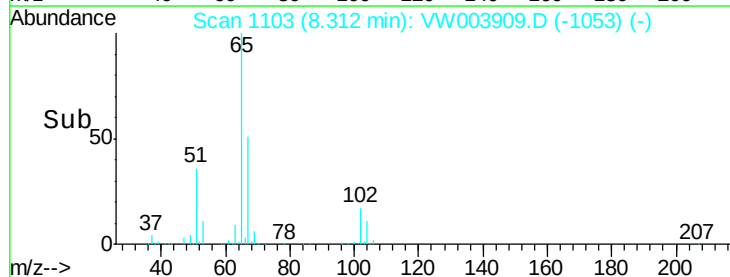
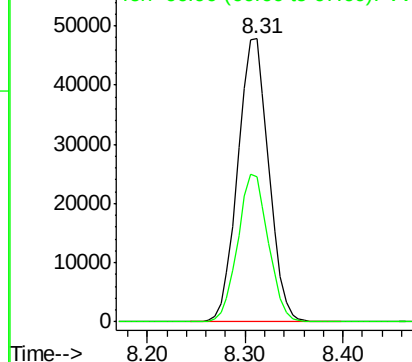
Ion Ratio Lower Upper

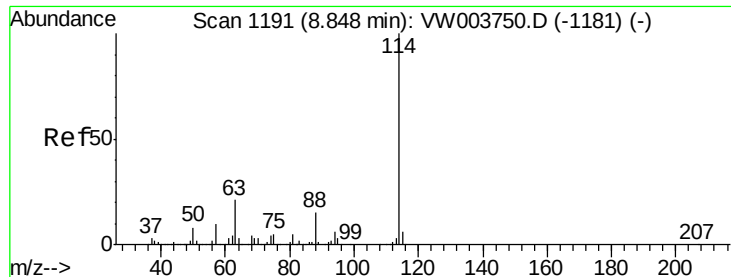
65 100

67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

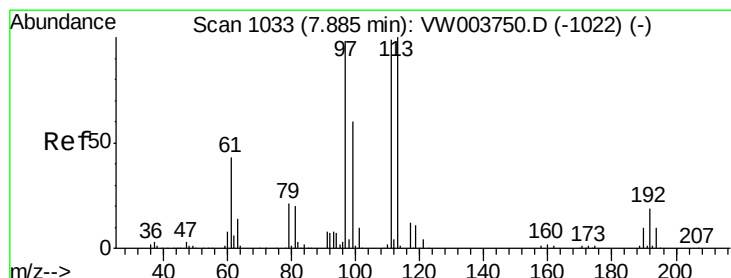
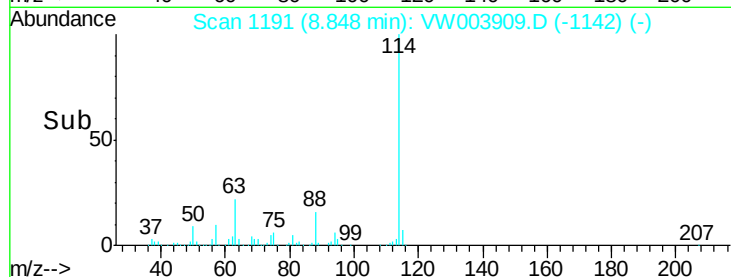
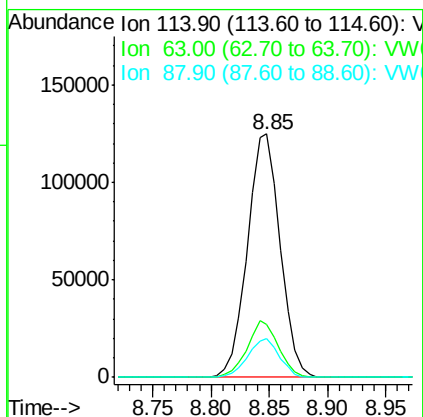
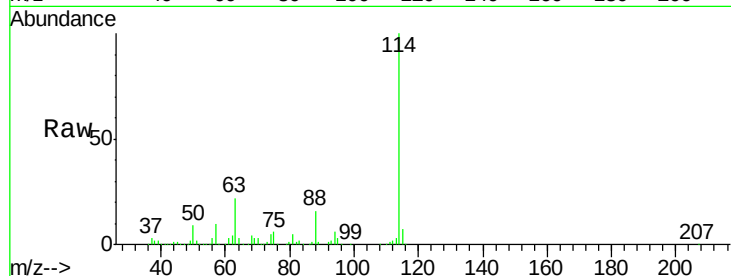




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

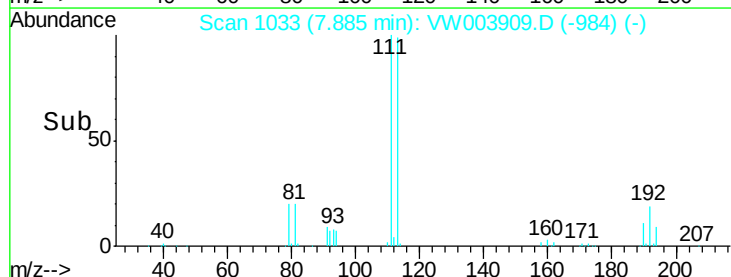
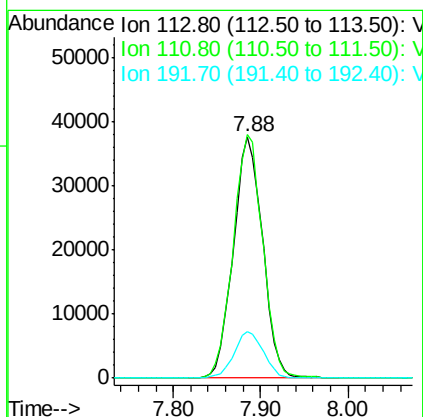
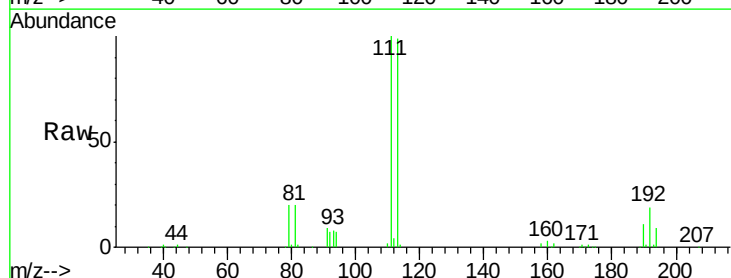
Instrument :
 MSVOA_W
 ClientSampleId :

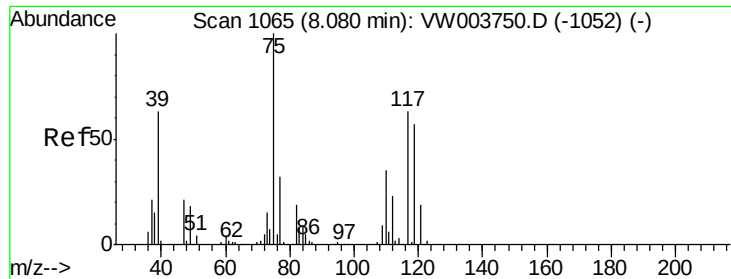
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.8
88	15.7	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 50.867 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	19.6	15.8	23.8





#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

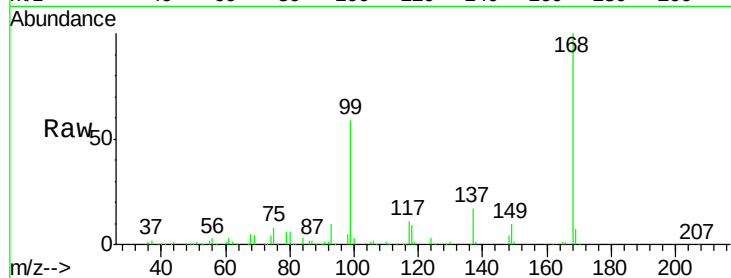
Tot Ion: 75 Resp: 12495

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.6#

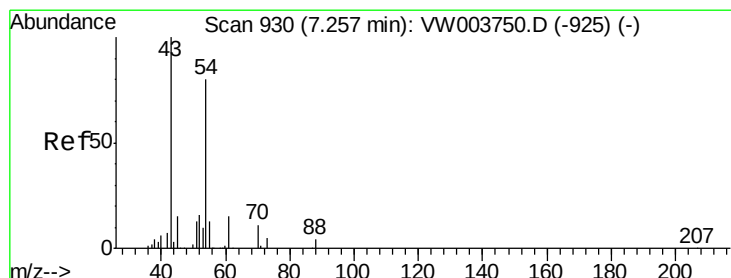
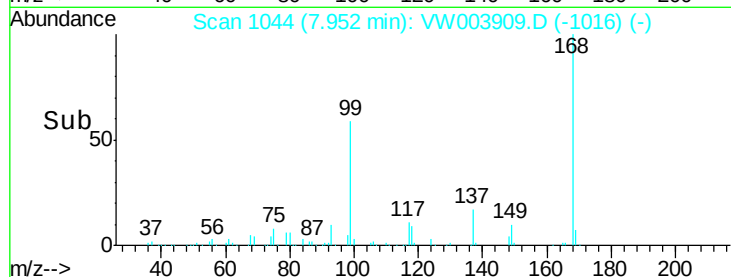
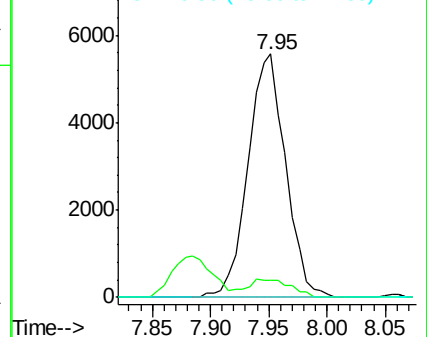
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 20.754 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

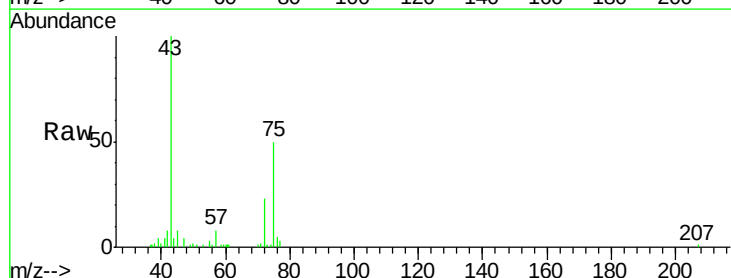
Tgt Ion: 43 Resp: 26233

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

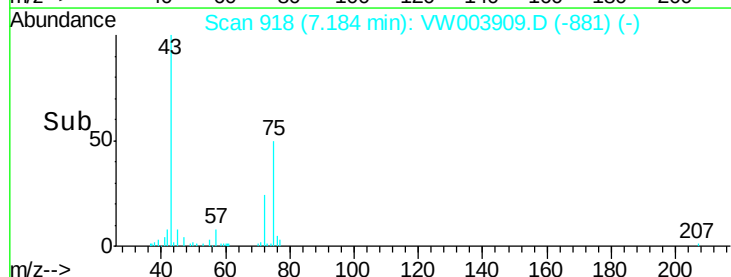
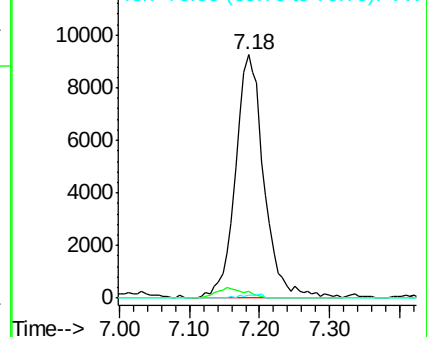
70 1.0 7.5 11.3#

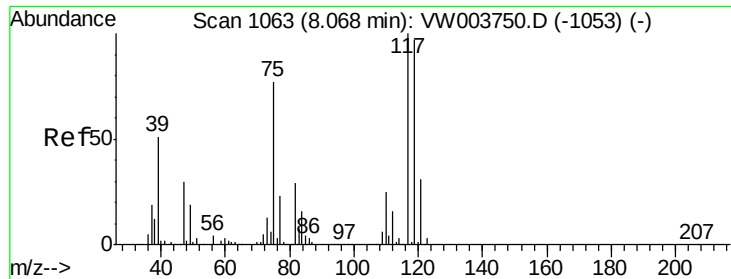


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

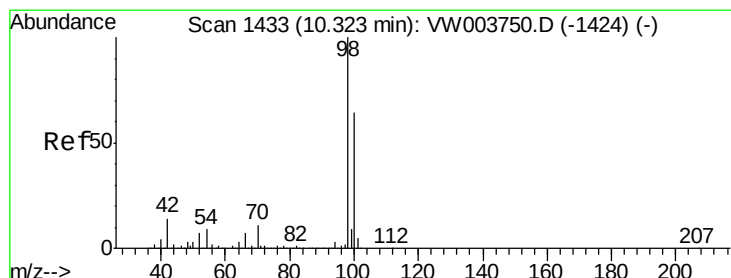
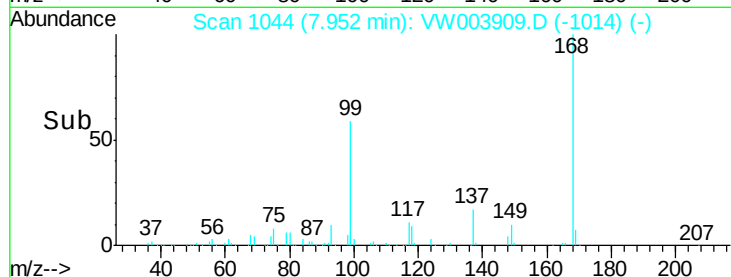
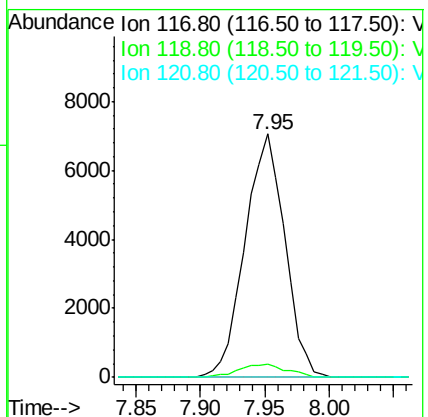
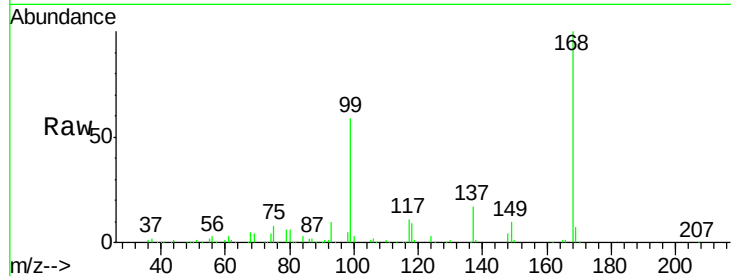




#38
Carbon Tetrachloride
Concen: 6.110 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

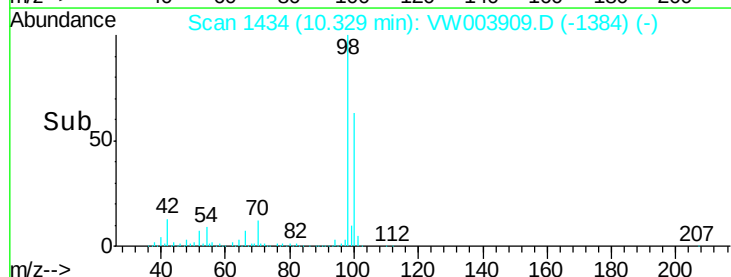
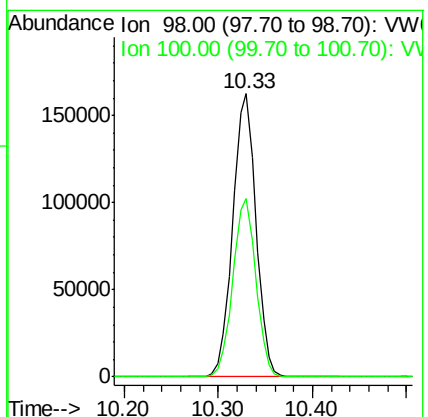
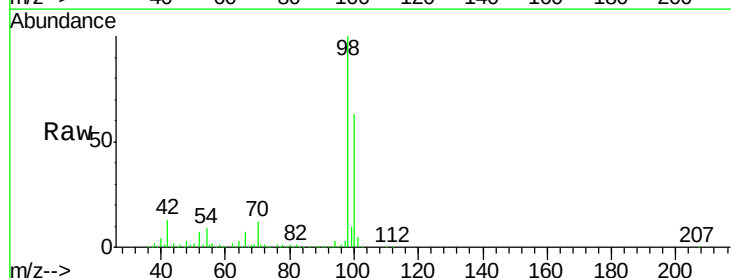
Instrument :
MSVOA_W
ClientSampleId :

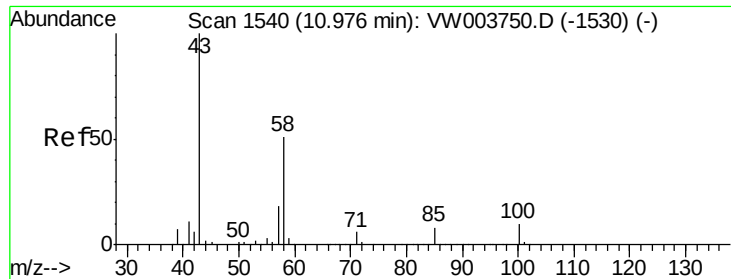
Tot Ion:117 Resp: 15090
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 42.391 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

Tgt Ion: 98 Resp: 277853
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2

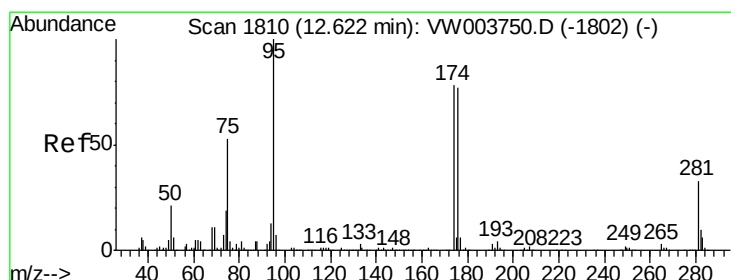
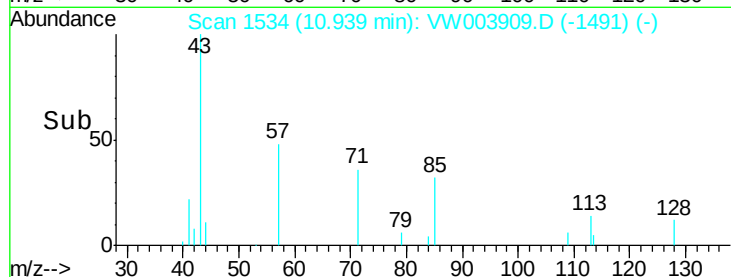
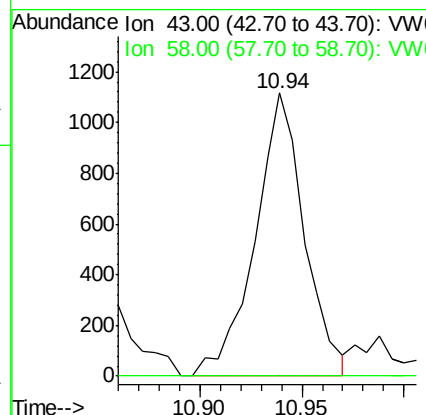
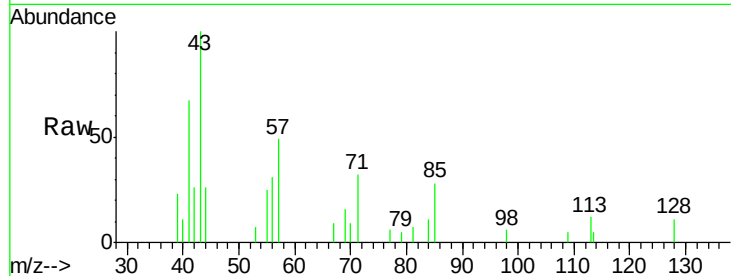




#59
2-Hexanone
Concen: 2.205 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

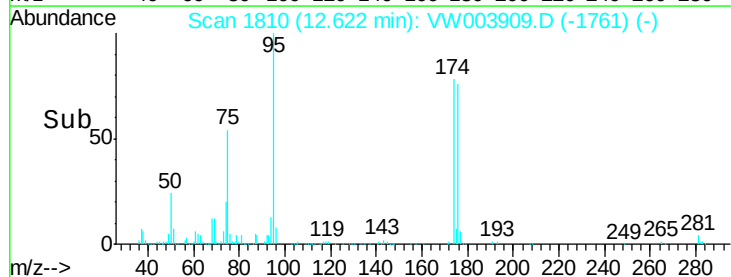
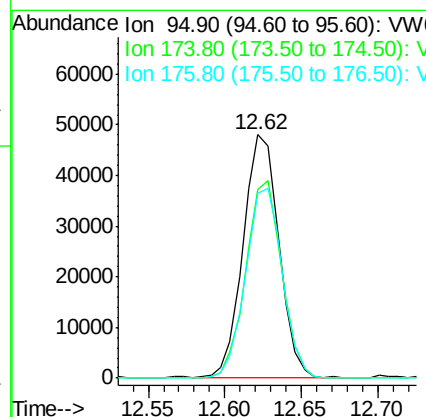
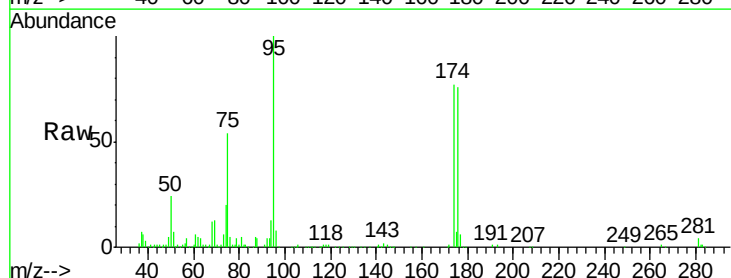
Instrument :
MSVOA_W
ClientSampleId :

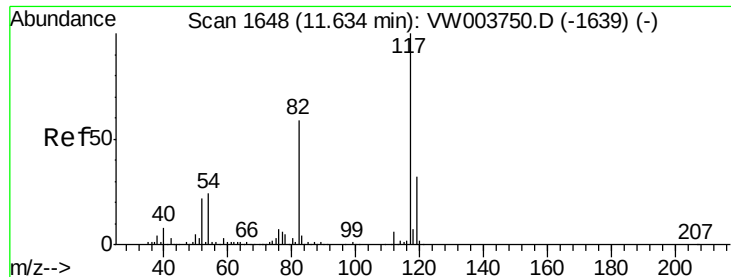
Tot Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.2#



#62
4-Bromofluorobenzene
Concen: 32.799 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

Tgt Ion: 95 Resp: 77784
Ion Ratio Lower Upper
95 100
174 81.9 0.0 163.4
176 80.1 0.0 156.8

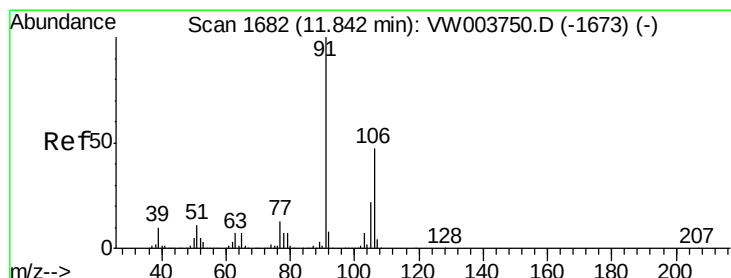
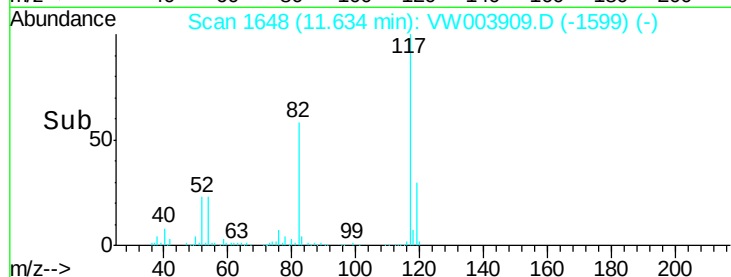
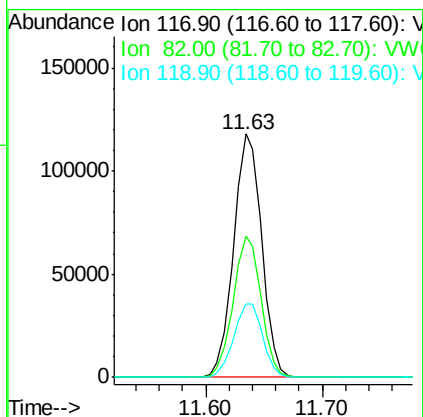
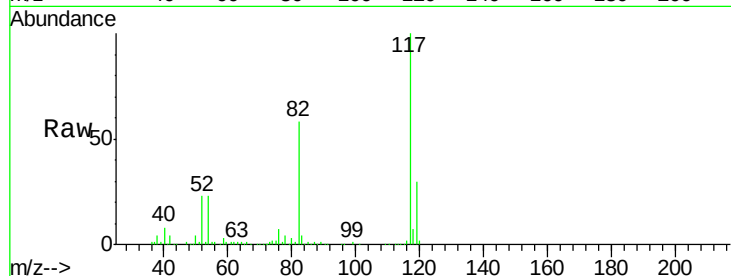




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

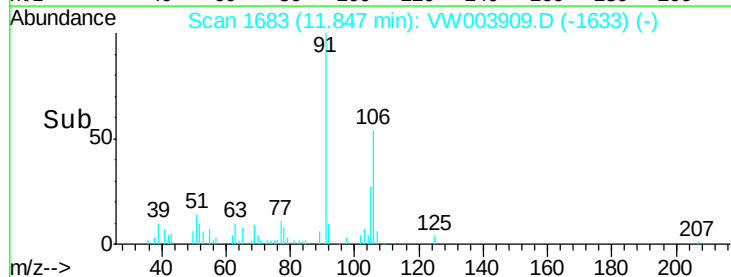
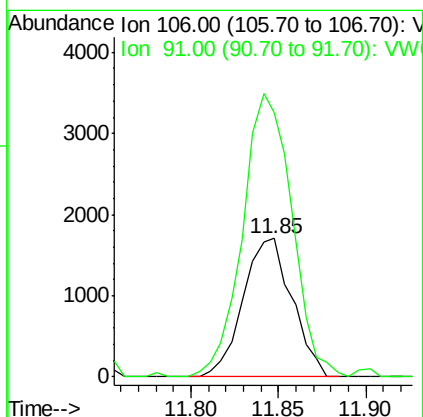
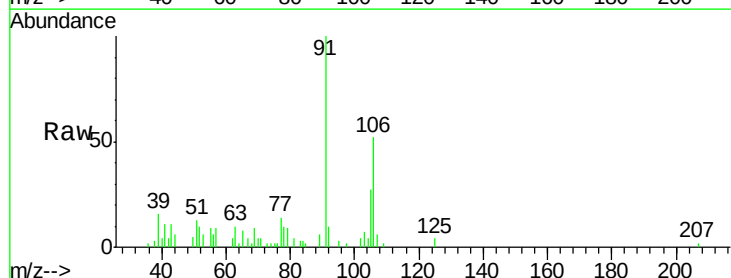
Instrument :
MSVOA_W
ClientSampled :

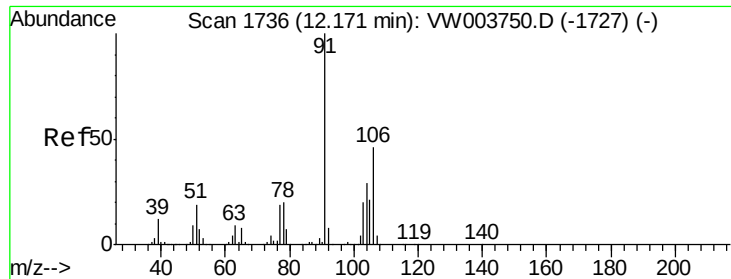
Tot Ion:117 Resp: 197972
Ion Ratio Lower Upper
117 100
82 58.1 46.9 70.3
119 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 1.162 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

Tgt Ion:106 Resp: 3320
Ion Ratio Lower Upper
106 100
91 205.9 164.3 246.5

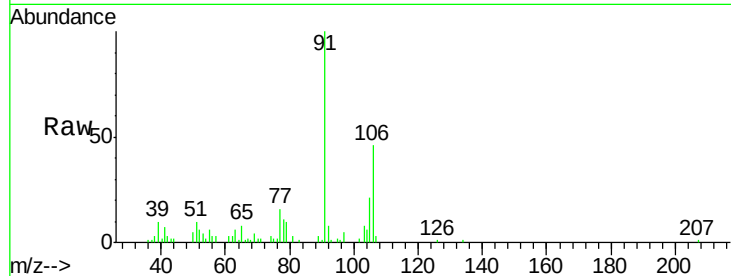




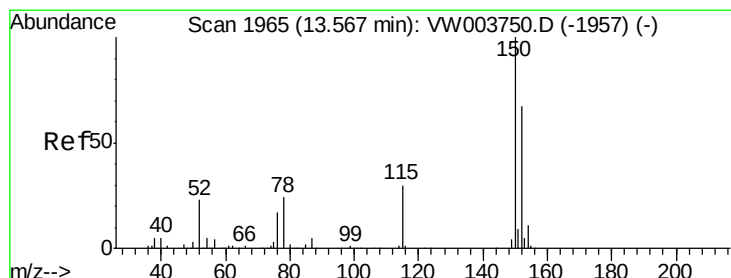
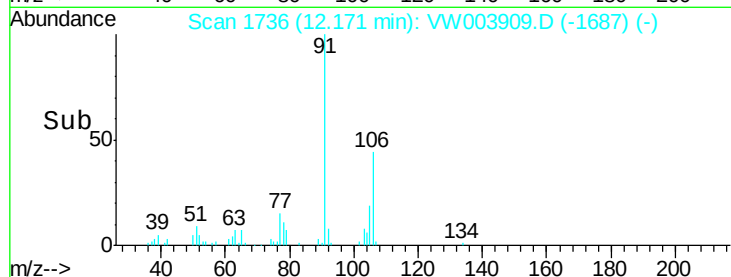
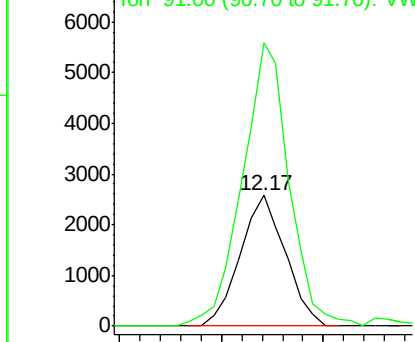
#69
o-Xylene
Concen: 1.506 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 3971
Ion Ratio Lower Upper
106 100
91 223.3 109.1 327.2

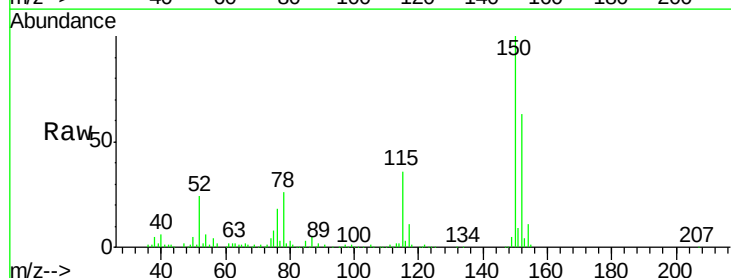


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

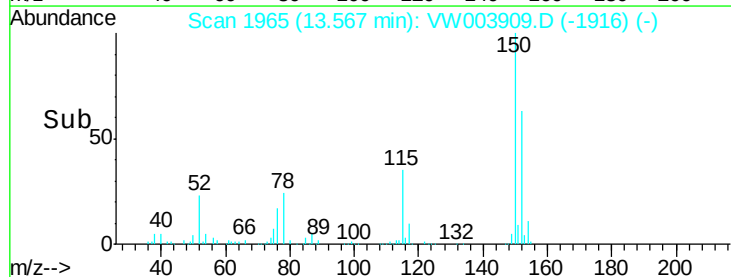
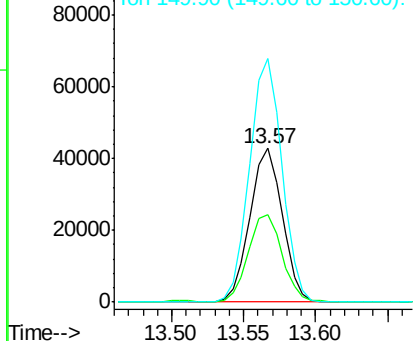


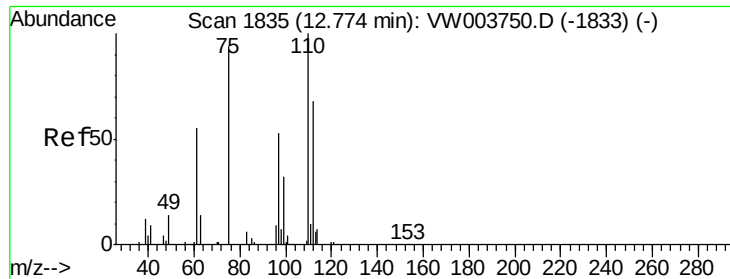
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003909.D
Acq: 12 Jul 2018 20:33

Tgt Ion:152 Resp: 66691
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 158.4 0.0 342.4



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

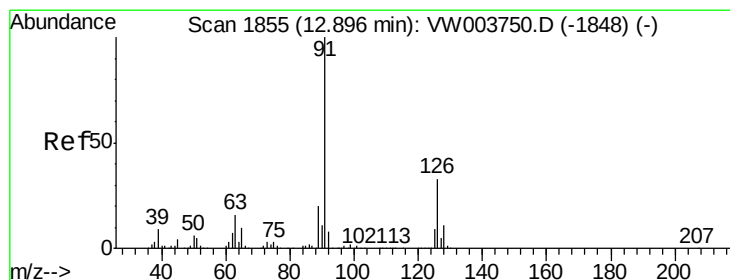
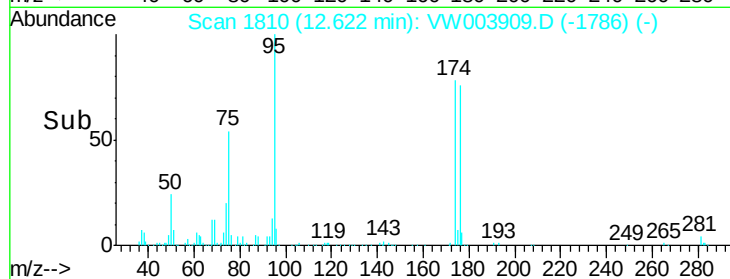
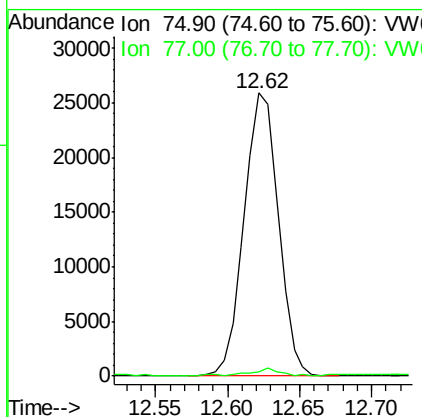
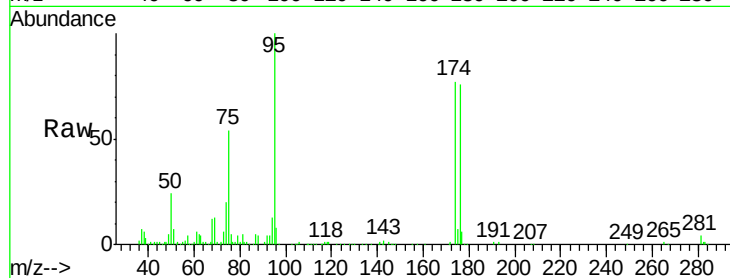




#76
 1,2,3-Trichloropropane
 Concen: 65.323 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

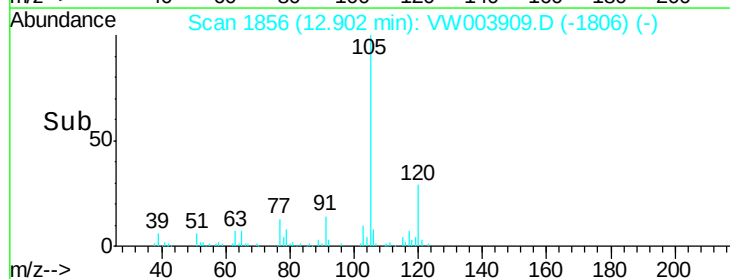
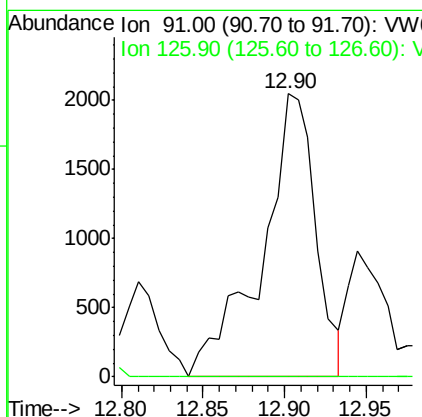
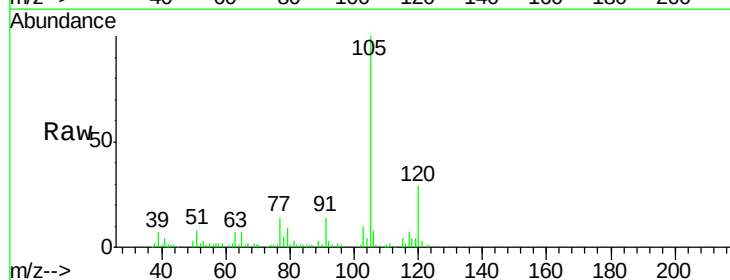
Instrument :
 MSVOA_W
 ClientSampleId :

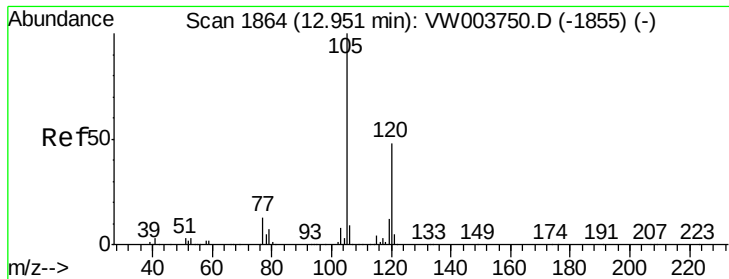
Tot Ion: 75 Resp: 42780
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: 1.449 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

Tgt Ion: 91 Resp: 4720
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#

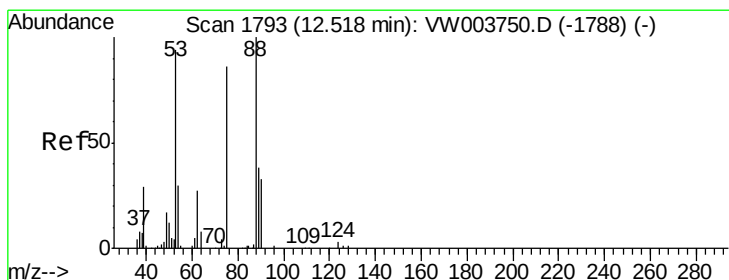
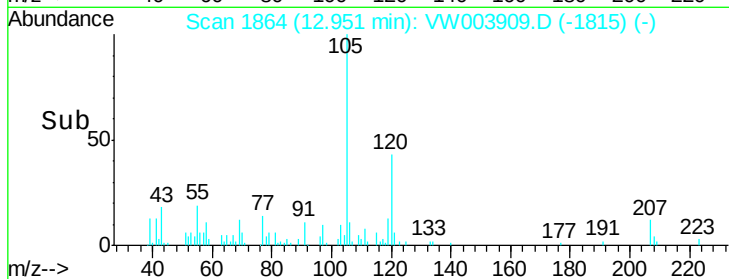
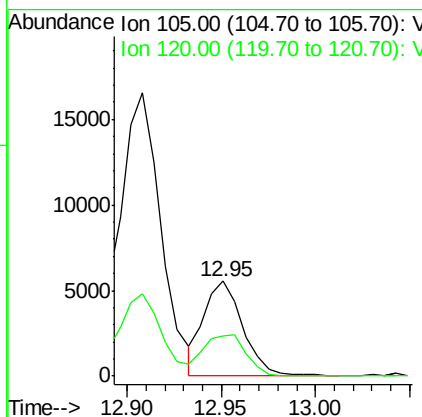
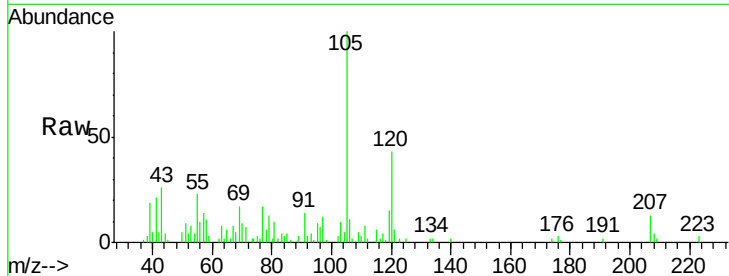




#80
 1,3,5-Trimethylbenzene
 Concen: 2.051 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

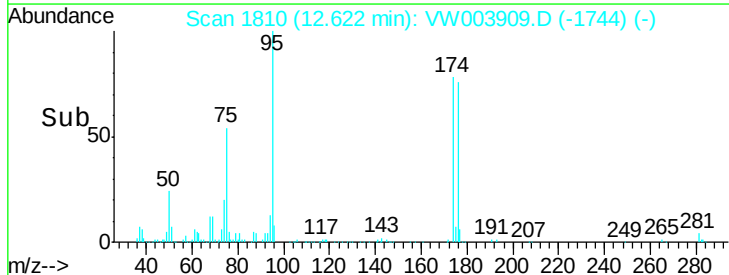
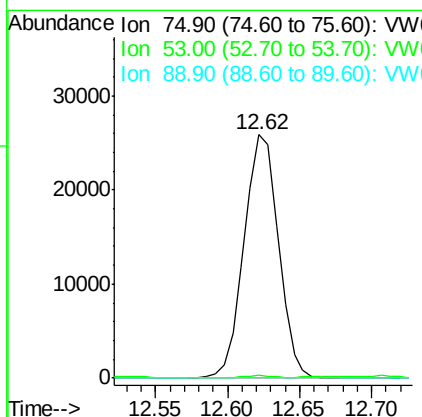
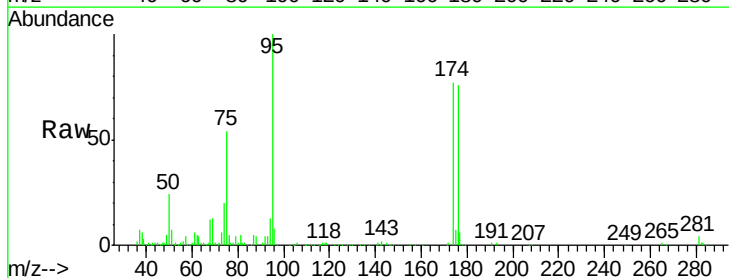
Instrument :
 MSVOA_W
 ClientSampleId :

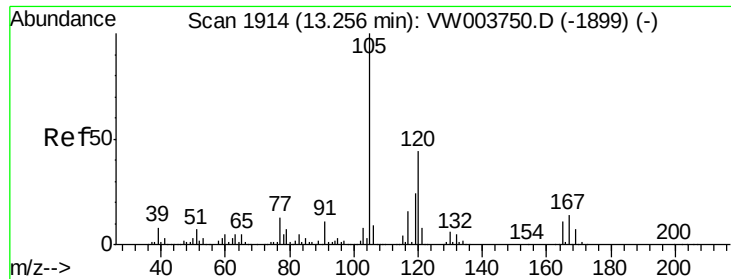
Tot Ion:105 Resp: 7984
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.797 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

Tgt Ion: 75 Resp: 42780
 Ion Ratio Lower Upper
 75 100
 53 0.7 85.0 127.6#
 89 0.1 36.3 54.5#

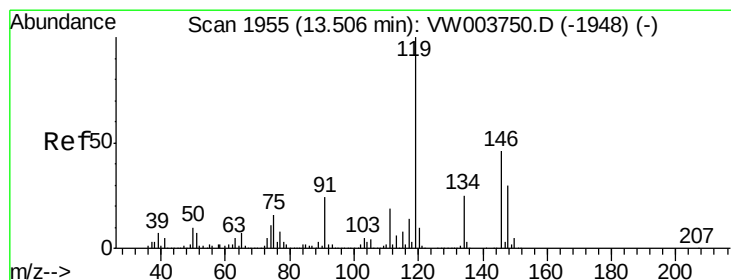
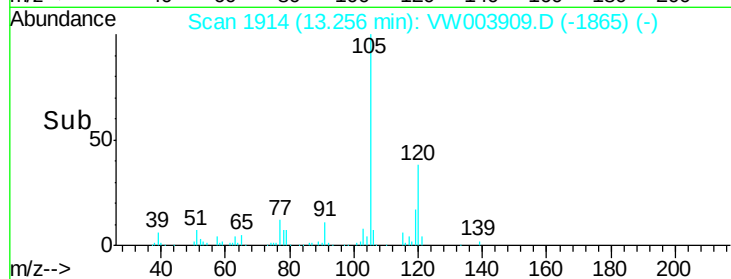
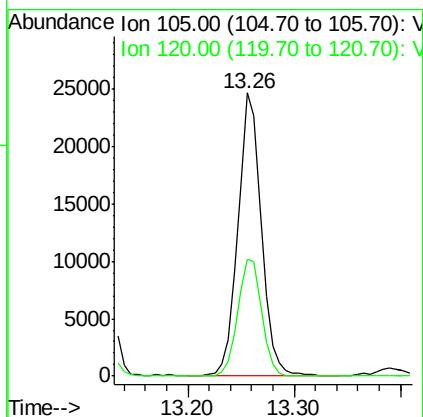
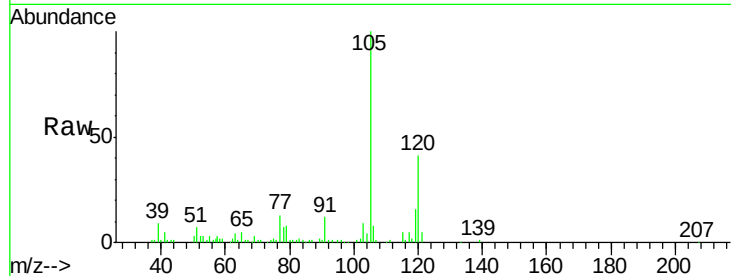




#84
 1,2,4-Trimethylbenzene
 Concen: 9.453 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

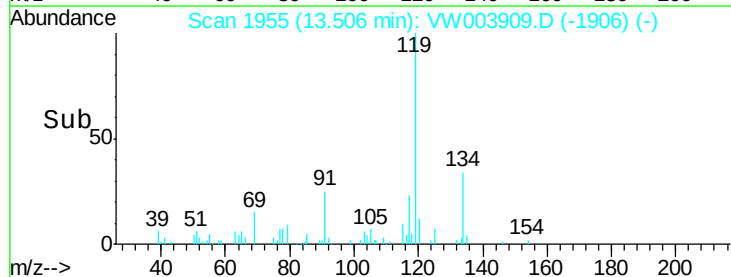
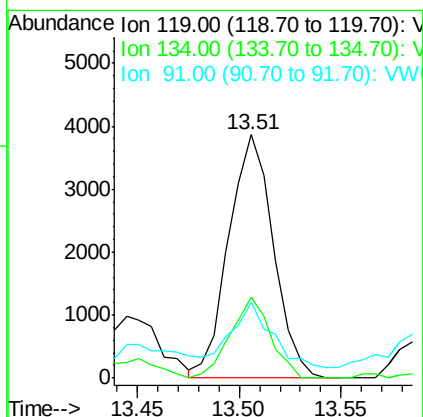
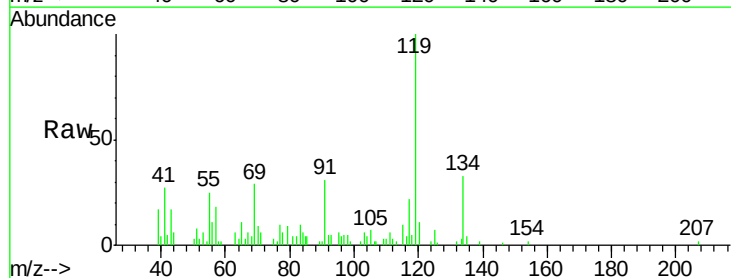
Instrument :
 MSVOA_W
 ClientSampled :

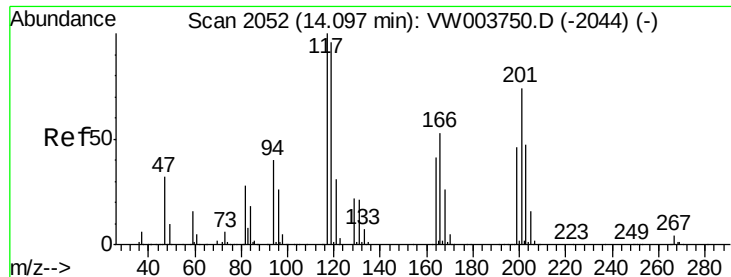
Tot Ion:105 Resp: 38228
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.0 66.0



#86
 p-Isopropyltoluene
 Concen: 1.399 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003909.D
 Acq: 12 Jul 2018 20:33

Tgt Ion:119 Resp: 5871
 Ion Ratio Lower Upper
 119 100
 134 29.8 13.1 39.1
 91 24.2 11.9 35.9





#90

Hexachloroethane

Concen: 8.647 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003909.D

Acq: 12 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:117 Resp: 6990

Ion Ratio Lower Upper

117 100

201 0.0 39.2 117.6#

