

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003917.D
 Acq On : 13 Jul 2018 00:00
 Operator : SY/AP
 Sample : J3633-06
 Misc : 5.57G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:57:43 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	191557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	328500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130975	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	123660	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.88	113	107093	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	10.33	98	311101	35.37	ug/l	0.00
Spiked Amount			Recovery	=	70.74%	
62) 4-Bromofluorobenzene	12.62	95	125883	39.56	ug/l	0.00
Spiked Amount			Recovery	=	79.12%	

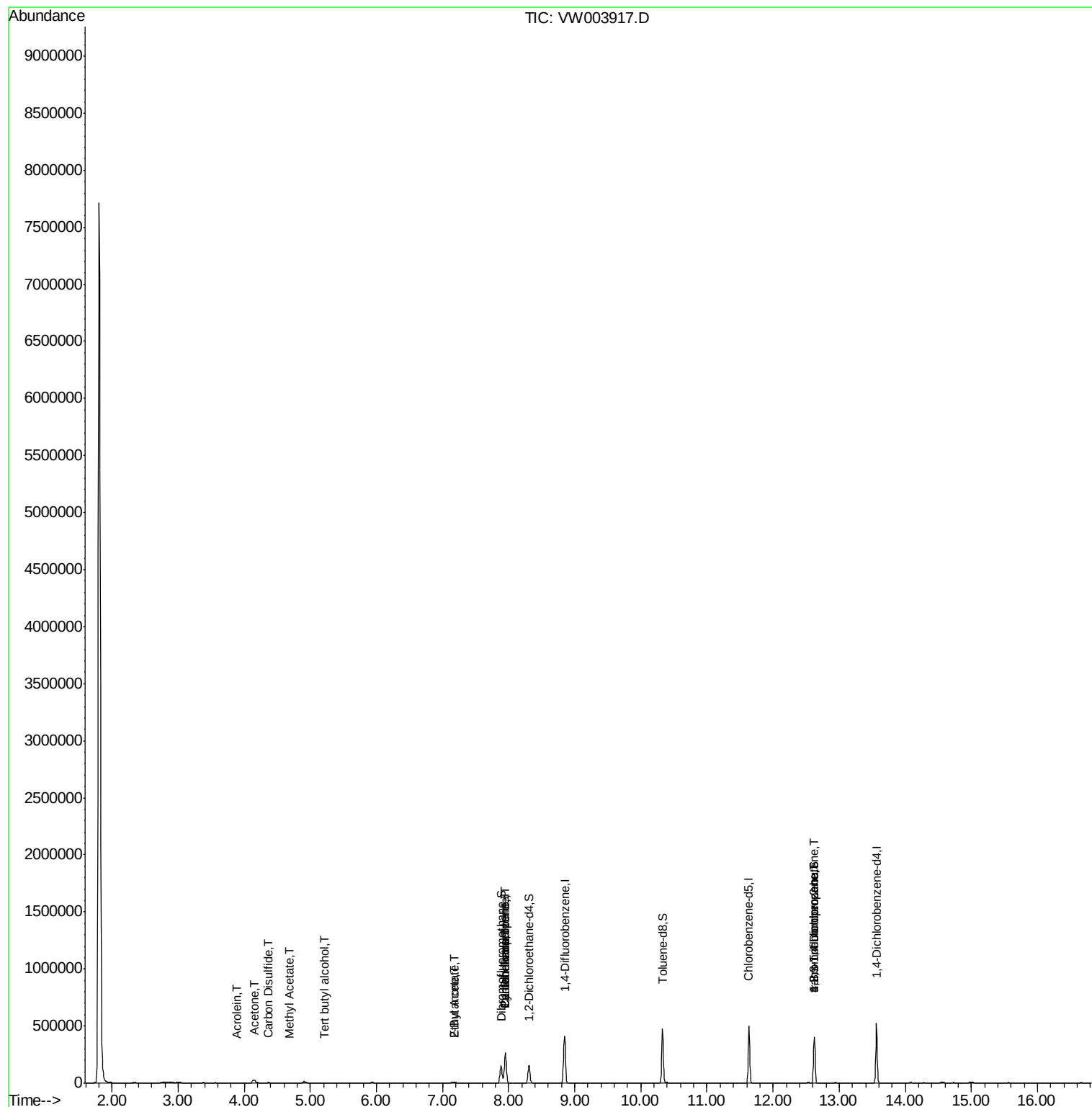
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	209	1.540	ug/l #	70
13) Acrolein	3.89	56	241	5.789	ug/l #	44
16) Acetone	4.15	43	61146	140.690	ug/l	100
17) Carbon Disulfide	4.37	76	10853	1.840	ug/l	95
18) Methyl Acetate	4.68	43	2077	1.695	ug/l	91
25) 2-Butanone	7.19	43	9329	13.704	ug/l #	90
31) Cyclohexane	7.95	56	4820	1.319	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16375	4.698	ug/l #	50
37) Ethyl Acetate	7.19	43	9329	5.501	ug/l #	70
38) Carbon Tetrachloride	7.95	117	19838	5.986	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	68001	52.872	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68001	129.337	ug/l #	8

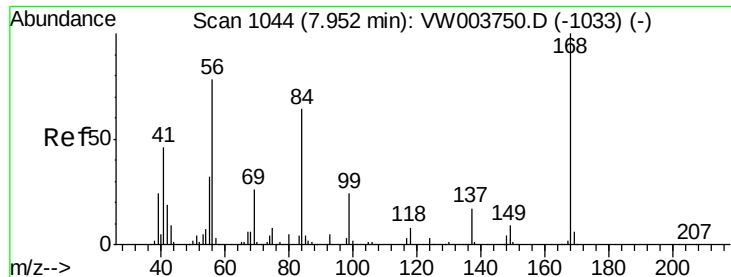
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

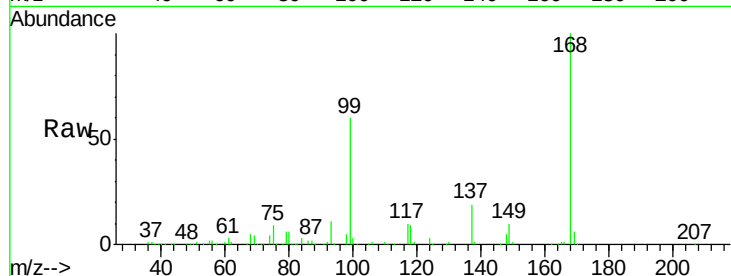
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 191557

Ion Ratio Lower Upper

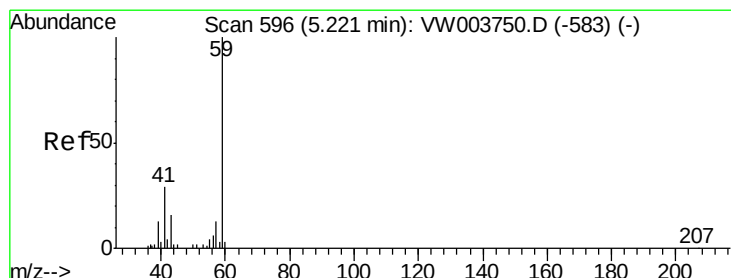
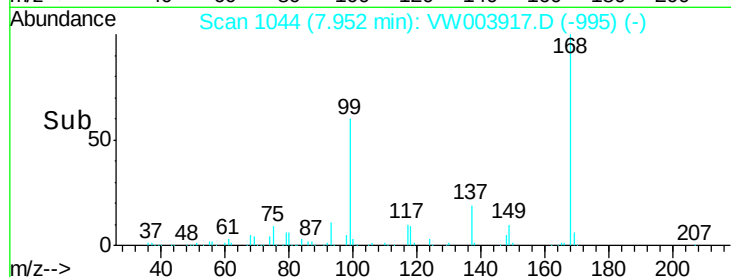
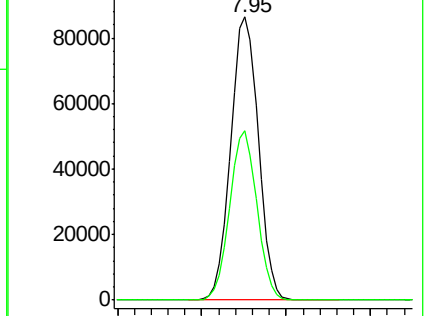
168 100

99 60.0 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: 1.540 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.01 min

Lab File: VW003917.D

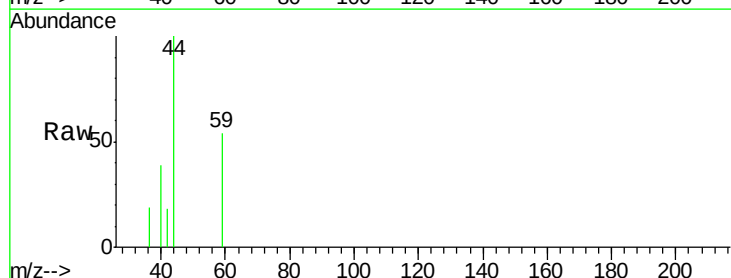
Acq: 13 Jul 2018 00:00

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

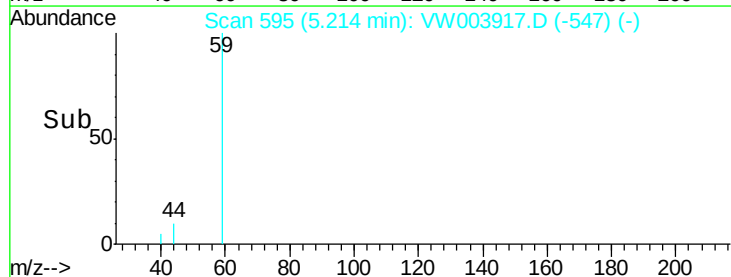
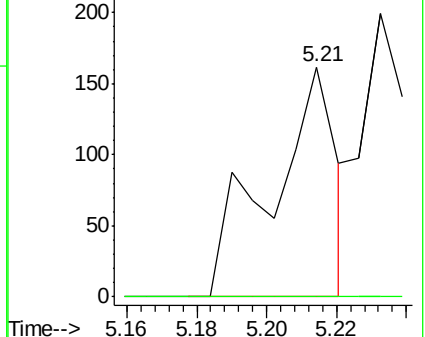
59 100

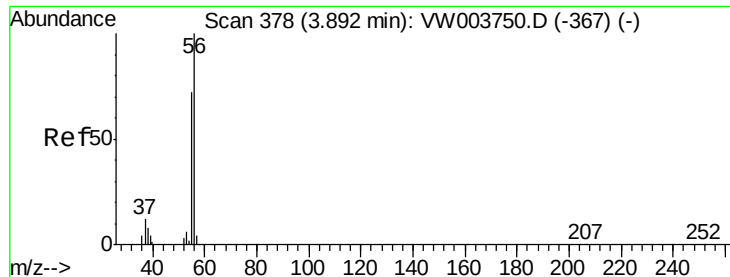
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.789 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

Instrument :

MSVOA_W

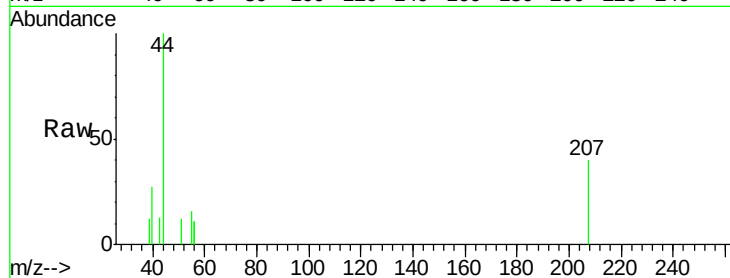
ClientSampled :

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

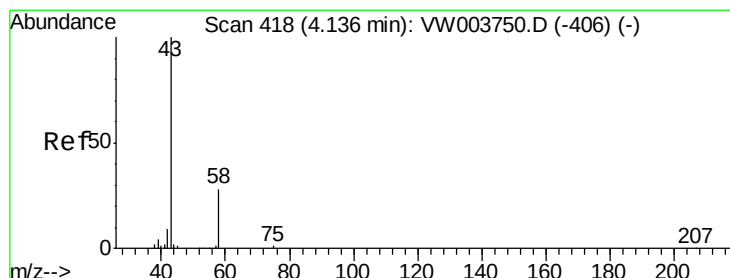
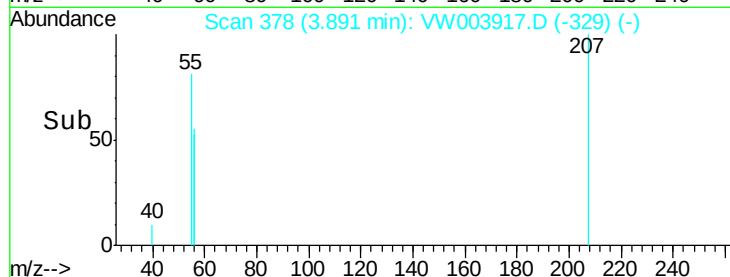
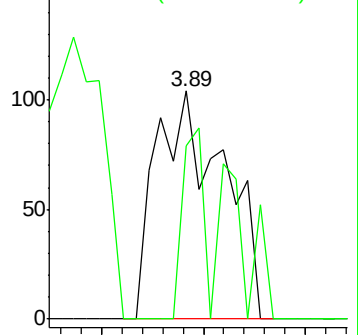
56 100

55 25.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 140.690 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003917.D

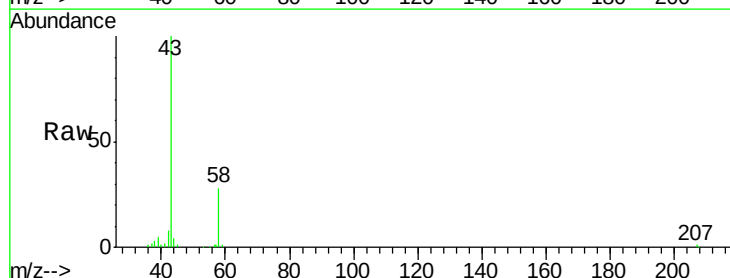
Acq: 13 Jul 2018 00:00

Tgt Ion: 43 Resp: 61146

Ion Ratio Lower Upper

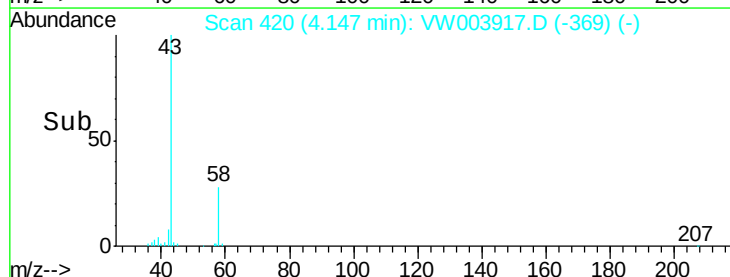
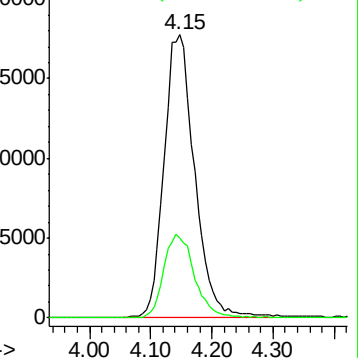
43 100

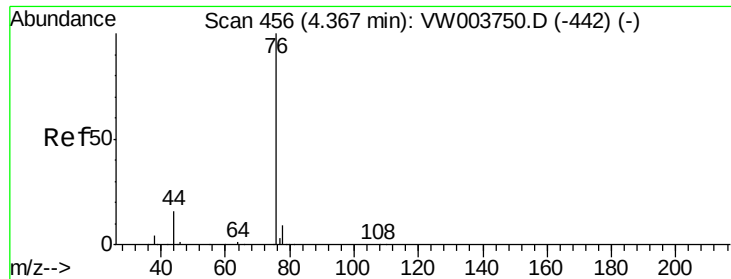
58 28.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.840 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

Instrument :

MSVOA_W

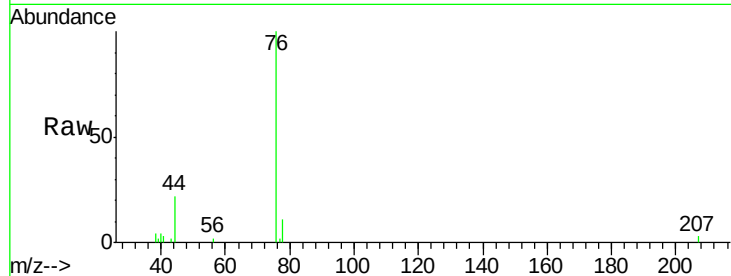
ClientSampleId :

Tot Ion: 76 Resp: 10853

Ion Ratio Lower Upper

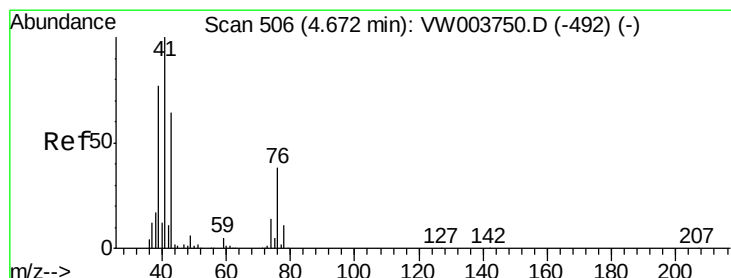
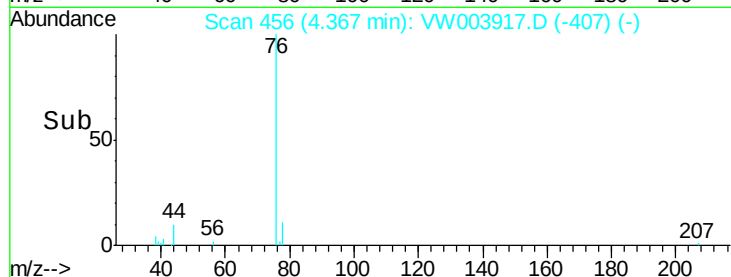
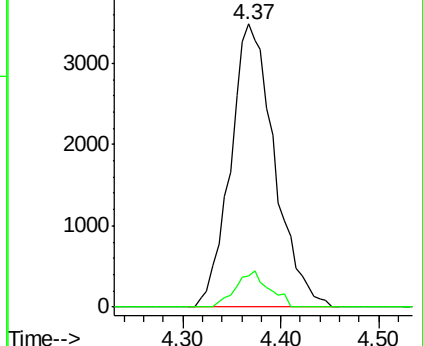
76 100

78 11.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.695 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003917.D

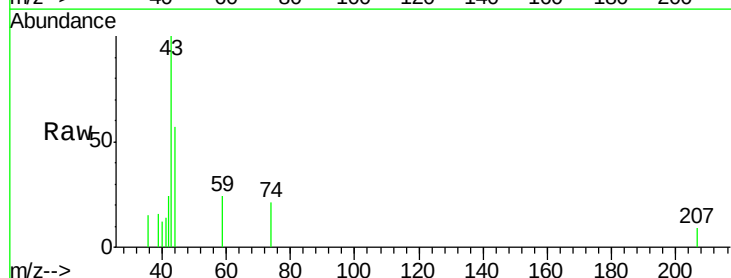
Acq: 13 Jul 2018 00:00

Tgt Ion: 43 Resp: 2077

Ion Ratio Lower Upper

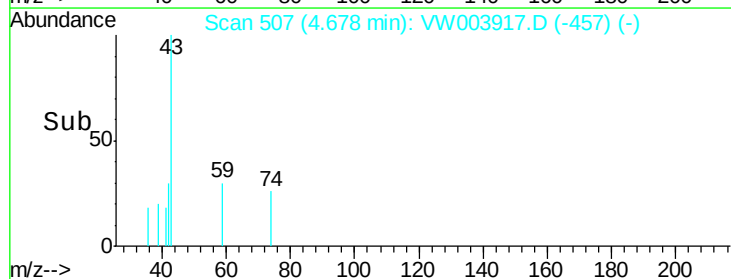
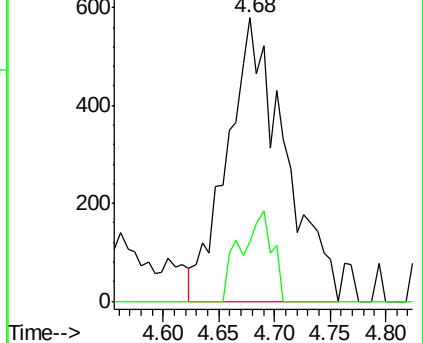
43 100

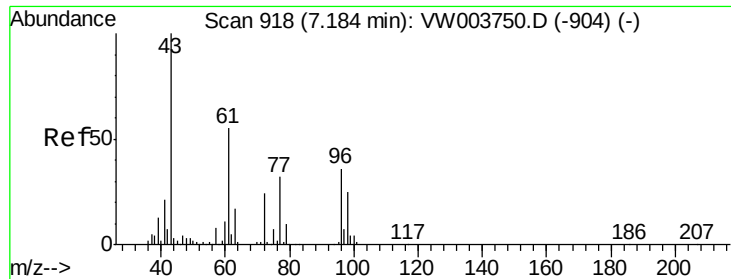
74 17.4 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 13.704 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

Instrument :

MSVOA_W

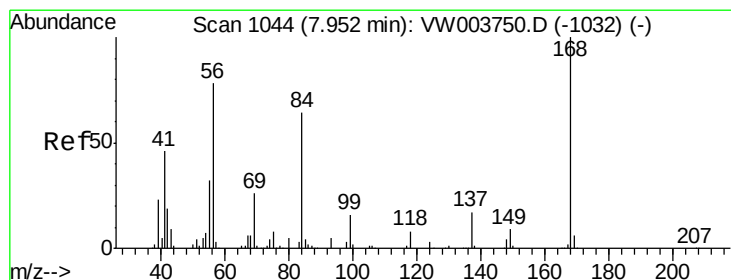
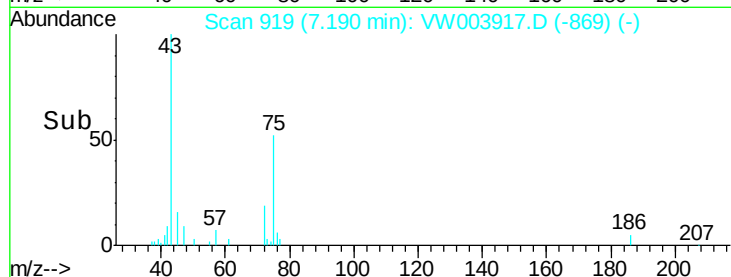
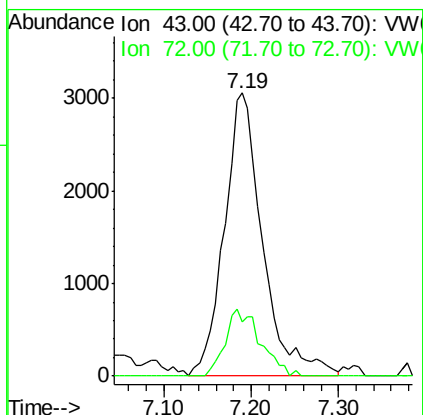
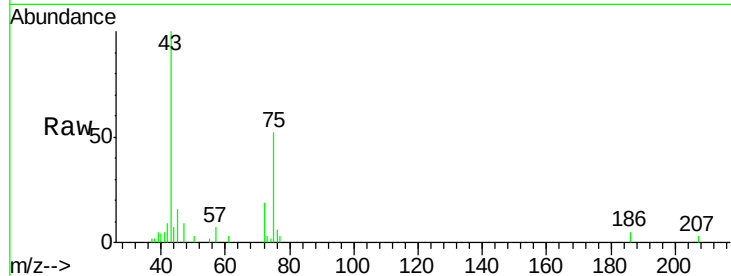
ClientSampleId :

Tot Ion: 43 Resp: 9329

Ion Ratio Lower Upper

43 100

72 19.2 19.4 29.2#



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

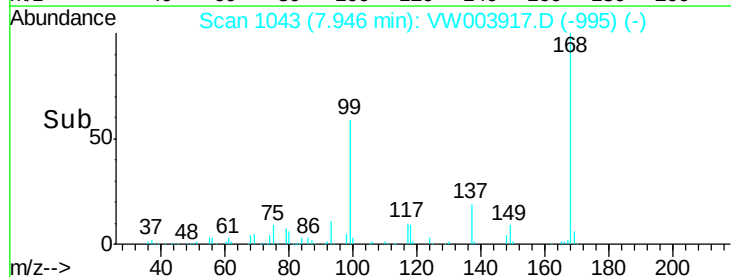
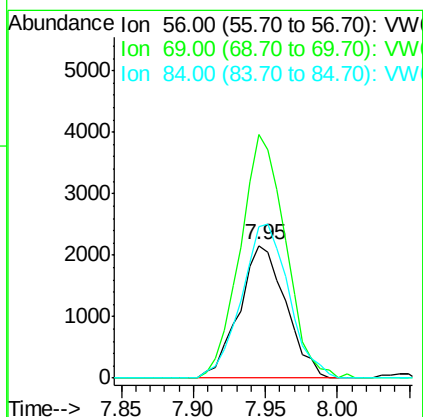
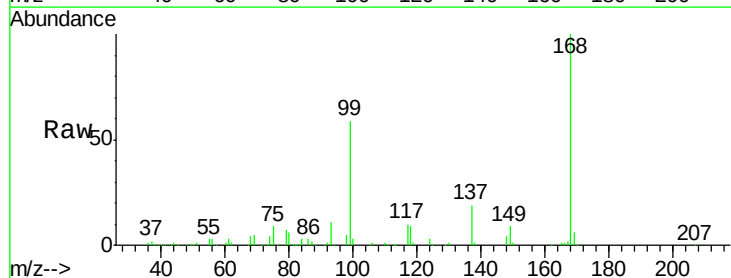
Tgt Ion: 56 Resp: 4820

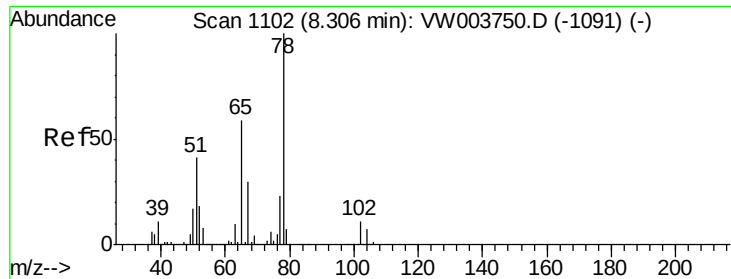
Ion Ratio Lower Upper

56 100

69 183.9 26.2 39.4#

84 114.7 65.5 98.3#

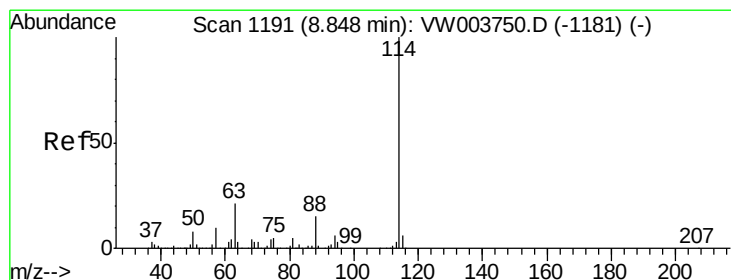
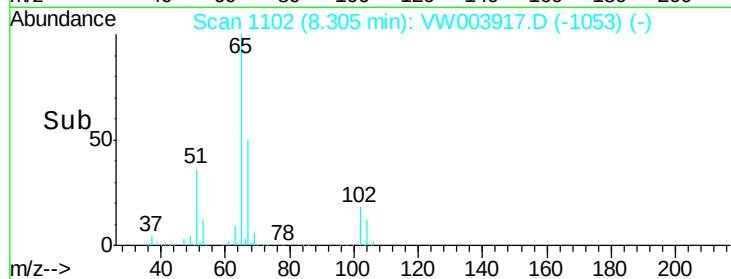
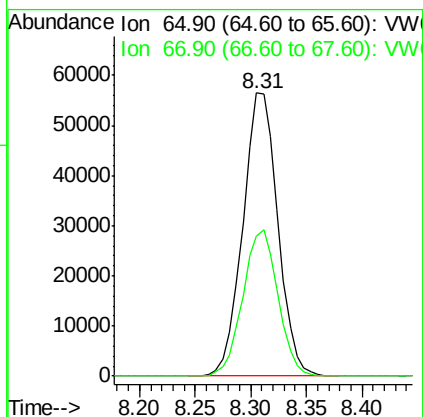
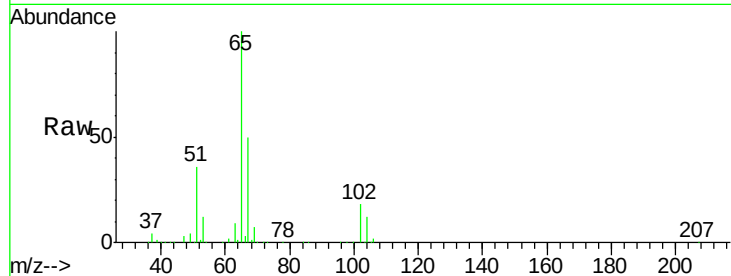




#33
 1,2-Dichloroethane-d4
 Concen: 49.365 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003917.D
 Acq: 13 Jul 2018 00:00

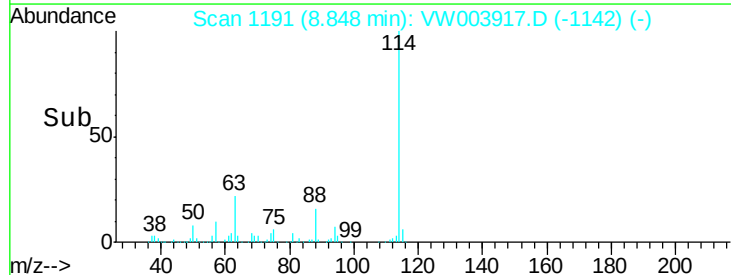
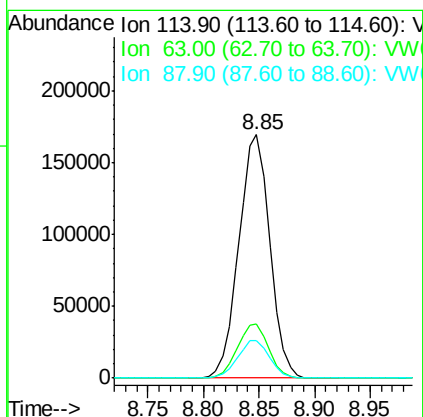
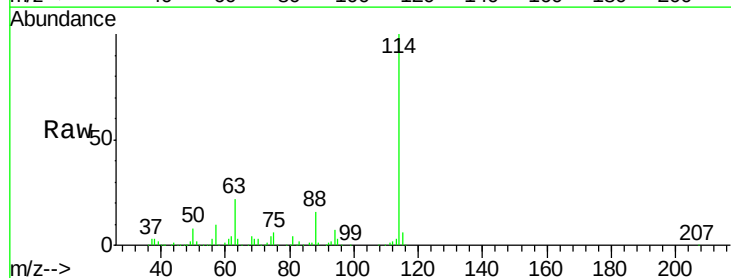
Instrument :
 MSVOA_W
 ClientSampled :

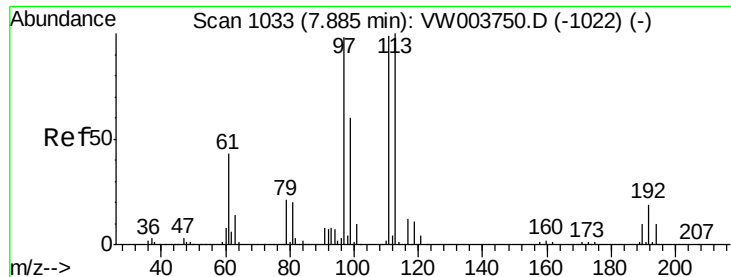
Tot Ion: 65 Resp: 123660
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003917.D
 Acq: 13 Jul 2018 00:00

Tgt Ion: 114 Resp: 328500
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.8
 88 15.6 0.0 30.2

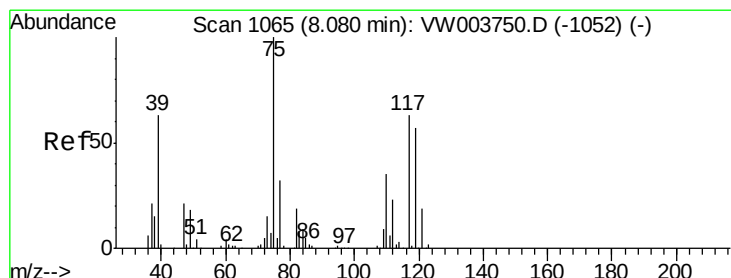
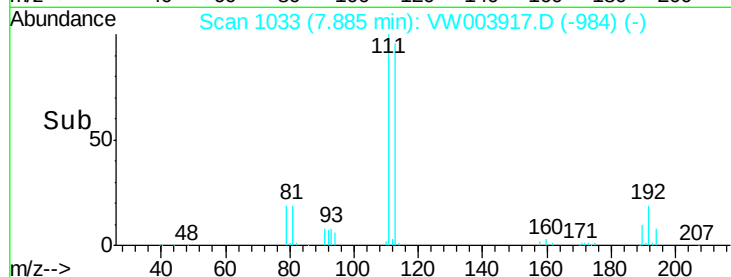
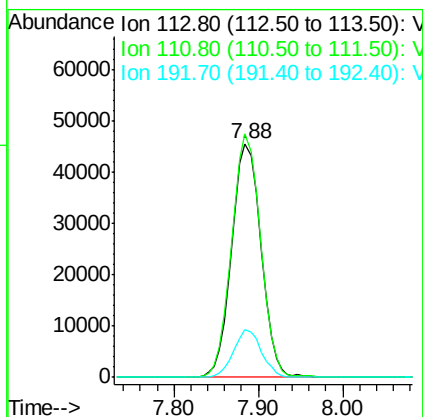
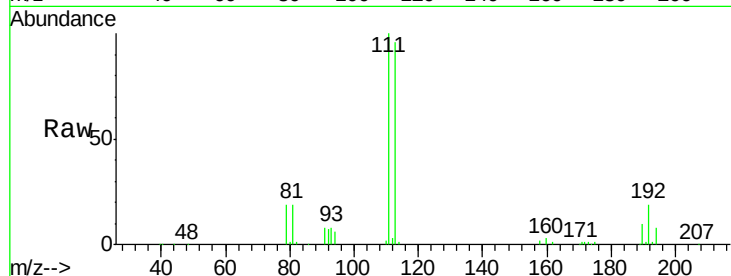




#35
 Dibromofluoromethane
 Concen: 46.580 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003917.D
 Acq: 13 Jul 2018 00:00

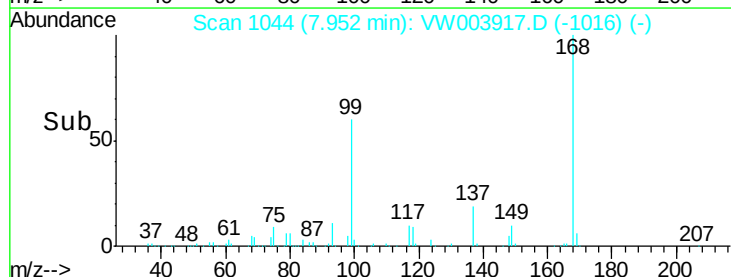
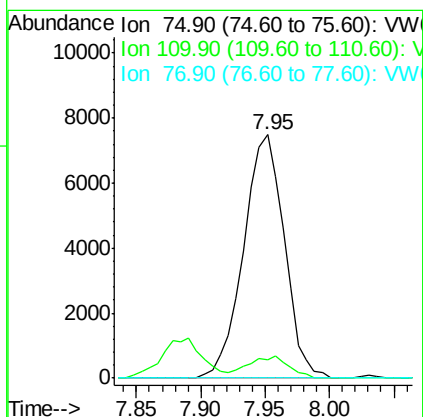
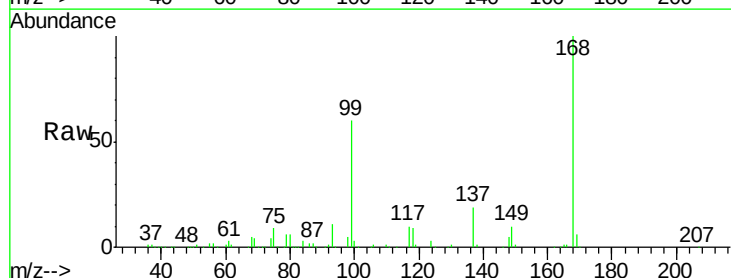
Instrument :
 MSVOA_W
 ClientSampled :

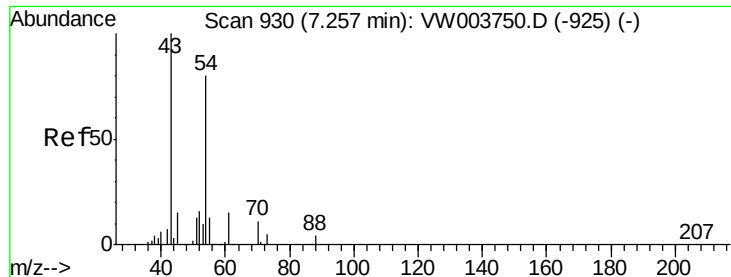
Tot Ion:113 Resp: 107093
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003917.D
 Acq: 13 Jul 2018 00:00

Tgt Ion: 75 Resp: 16375
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.9 50.6#
 77 0.0 24.8 37.2#

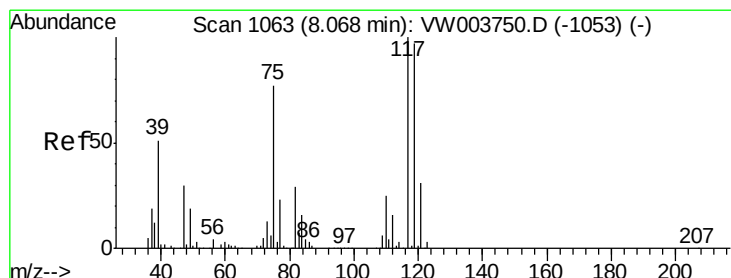
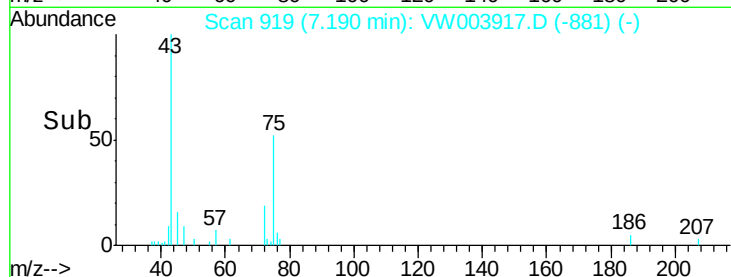
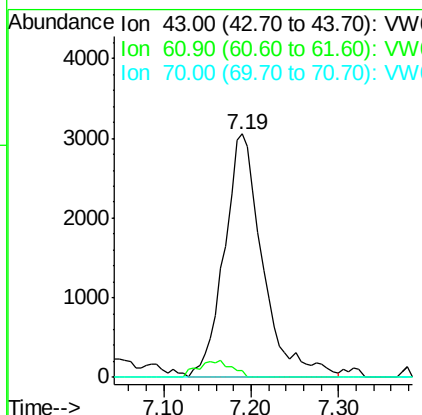
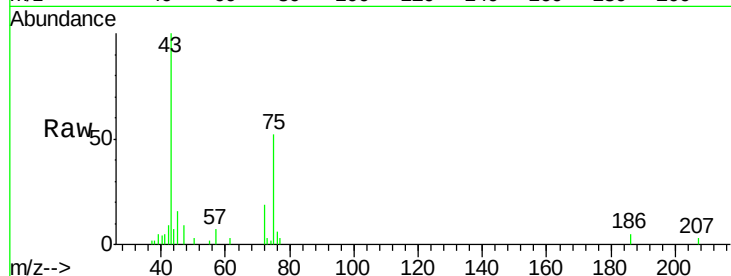




#37
Ethyl Acetate
Concen: 5.501 ug/l
RT: 7.19 min Scan# 919
Delta R.T. -0.07 min
Lab File: VW003917.D
Acq: 13 Jul 2018 00:00

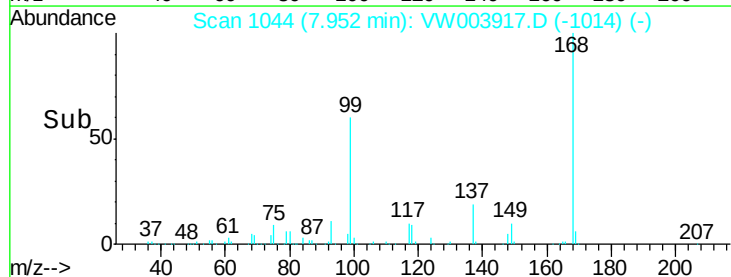
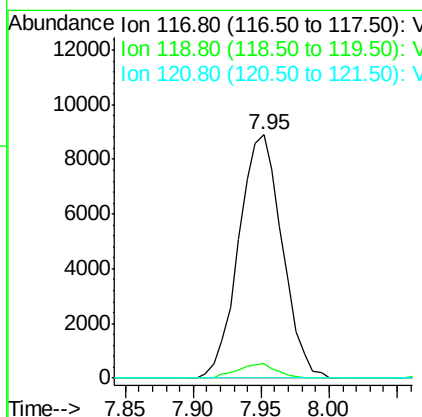
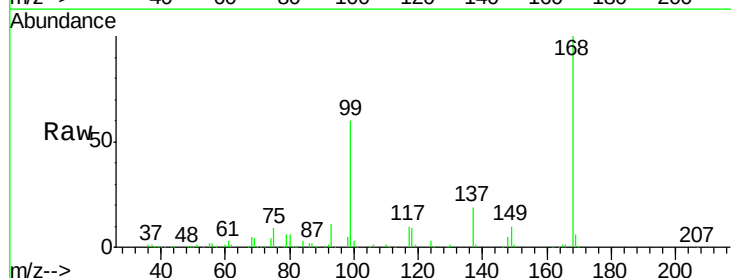
Instrument :
MSVOA_W
ClientSampleId :

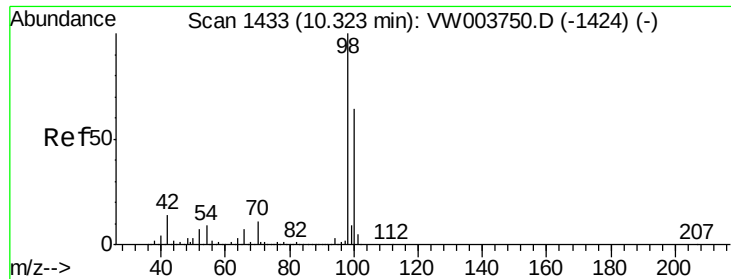
Tot Ion: 43 Resp: 9329
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.986 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003917.D
Acq: 13 Jul 2018 00:00

Tgt Ion: 117 Resp: 19838
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.2#
121 0.0 24.6 37.0#

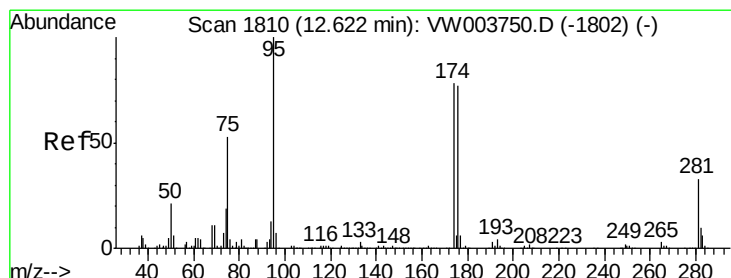
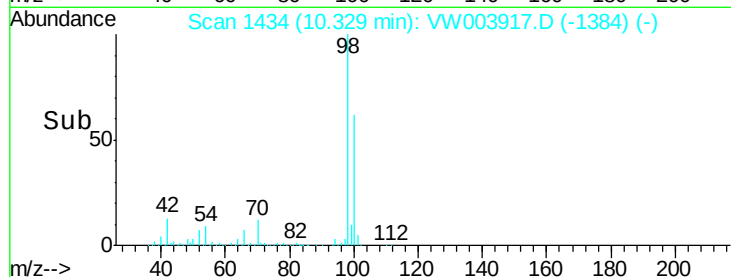
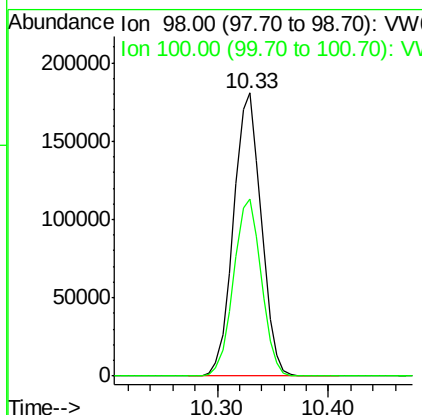
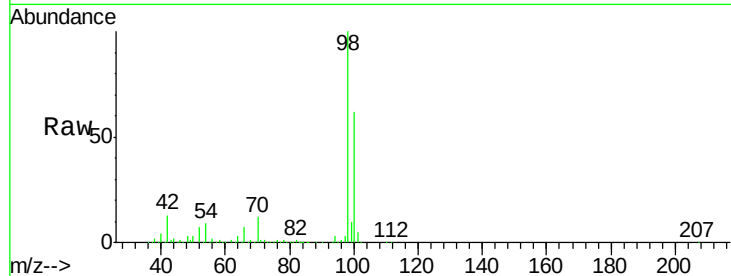




#50
Toluene-d8
Concen: 35.374 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003917.D
Acq: 13 Jul 2018 00:00

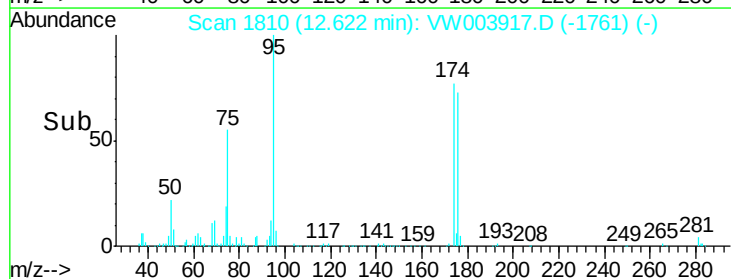
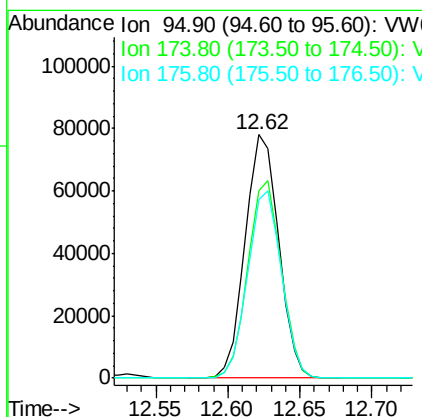
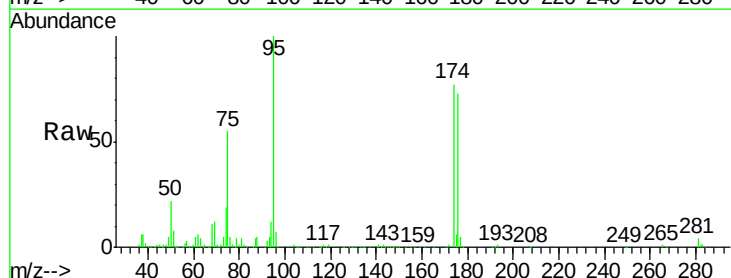
Instrument :
MSVOA_W
ClientSampleId :

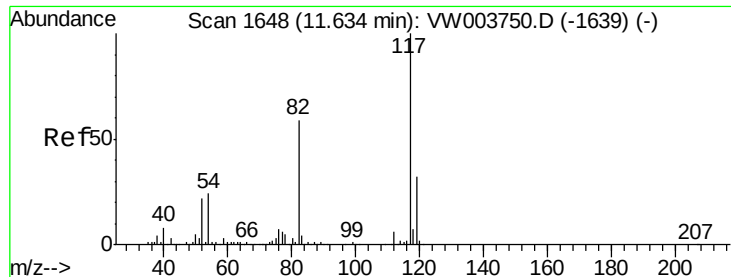
Tot Ion: 98 Resp: 311101
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 39.560 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003917.D
Acq: 13 Jul 2018 00:00

Tgt Ion: 95 Resp: 125883
Ion Ratio Lower Upper
95 100
174 80.8 0.0 163.4
176 77.3 0.0 156.8

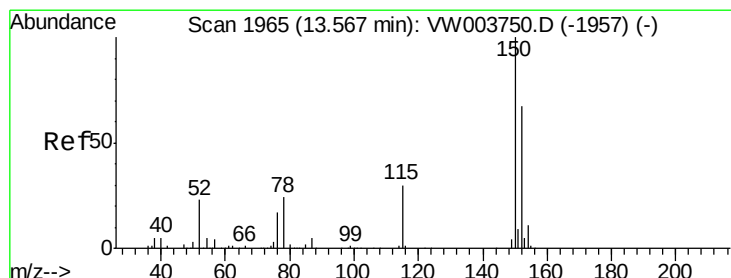
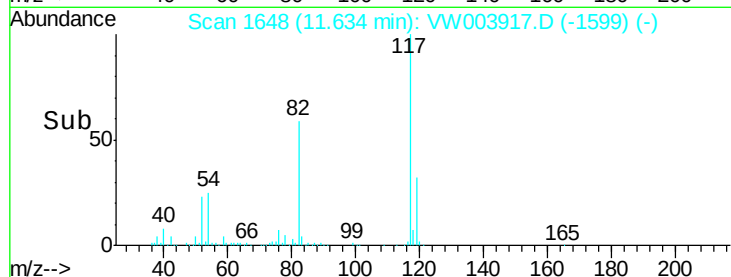
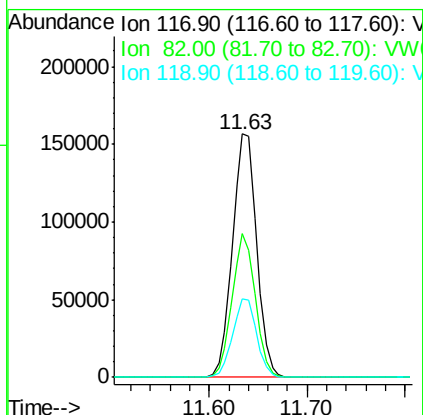
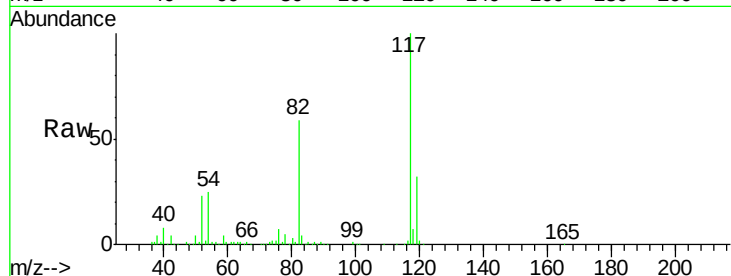




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003917.D
Acq: 13 Jul 2018 00:00

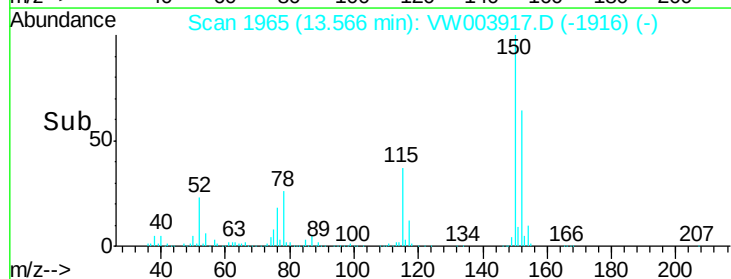
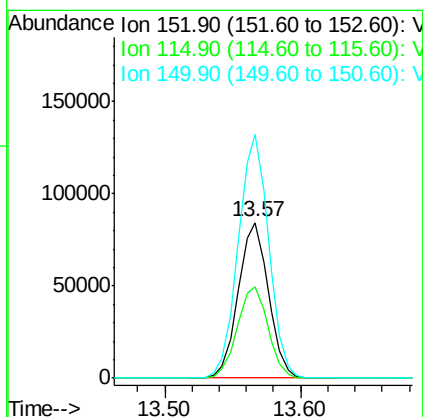
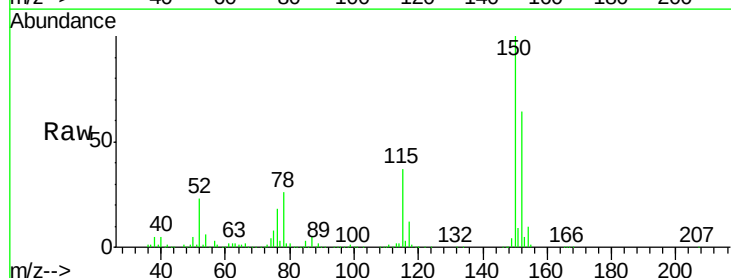
Instrument :
MSVOA_W
ClientSampleId :

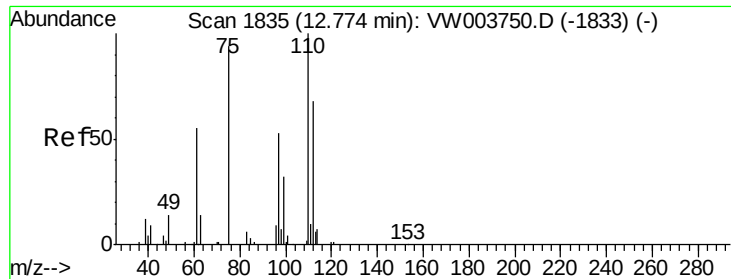
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.9	70.3
119	32.4	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003917.D
Acq: 13 Jul 2018 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.9	86.8
150	157.7	0.0	342.4





#76

1,2,3-Trichloropropane

Concen: 52.872 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

Instrument :

MSVOA_W

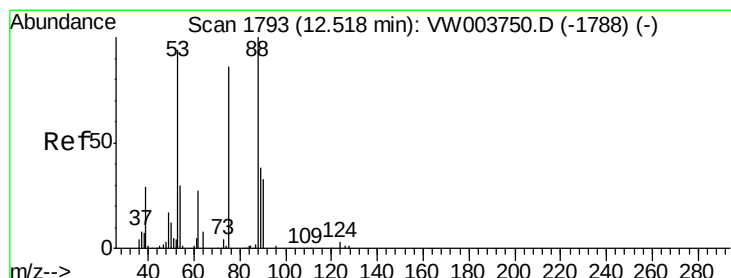
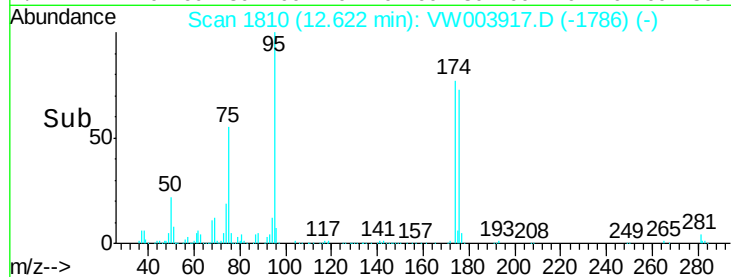
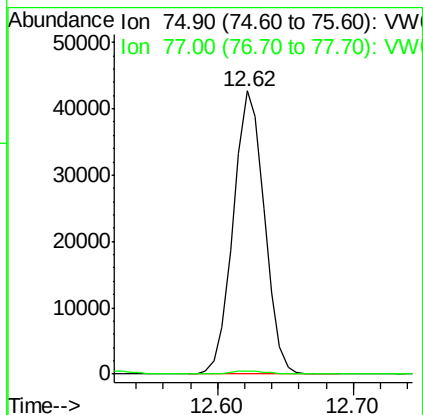
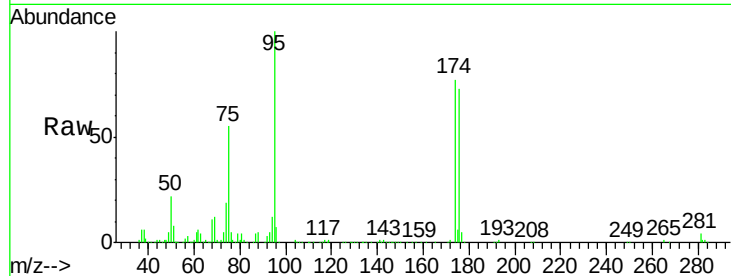
ClientSampleId :

Tot Ion: 75 Resp: 68001

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.337 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003917.D

Acq: 13 Jul 2018 00:00

Tgt Ion: 75 Resp: 68001

Ion Ratio Lower Upper

75 100

53 0.2 85.0 127.6#

89 0.0 36.3 54.5#

