

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003646.D
 Acq On : 28 Jun 2018 18:33
 Operator : SY/AP
 Sample : J3732-03
 Misc : 4.040G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:45:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	231245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81661	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	70030	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	7.88	113	65387	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
50) Toluene-d8	10.33	98	193499	33.96	ug/l	0.00
Spiked Amount			Recovery	=	67.92%	
62) 4-Bromofluorobenzene	12.62	95	71516	35.47	ug/l	0.00
Spiked Amount			Recovery	=	70.94%	

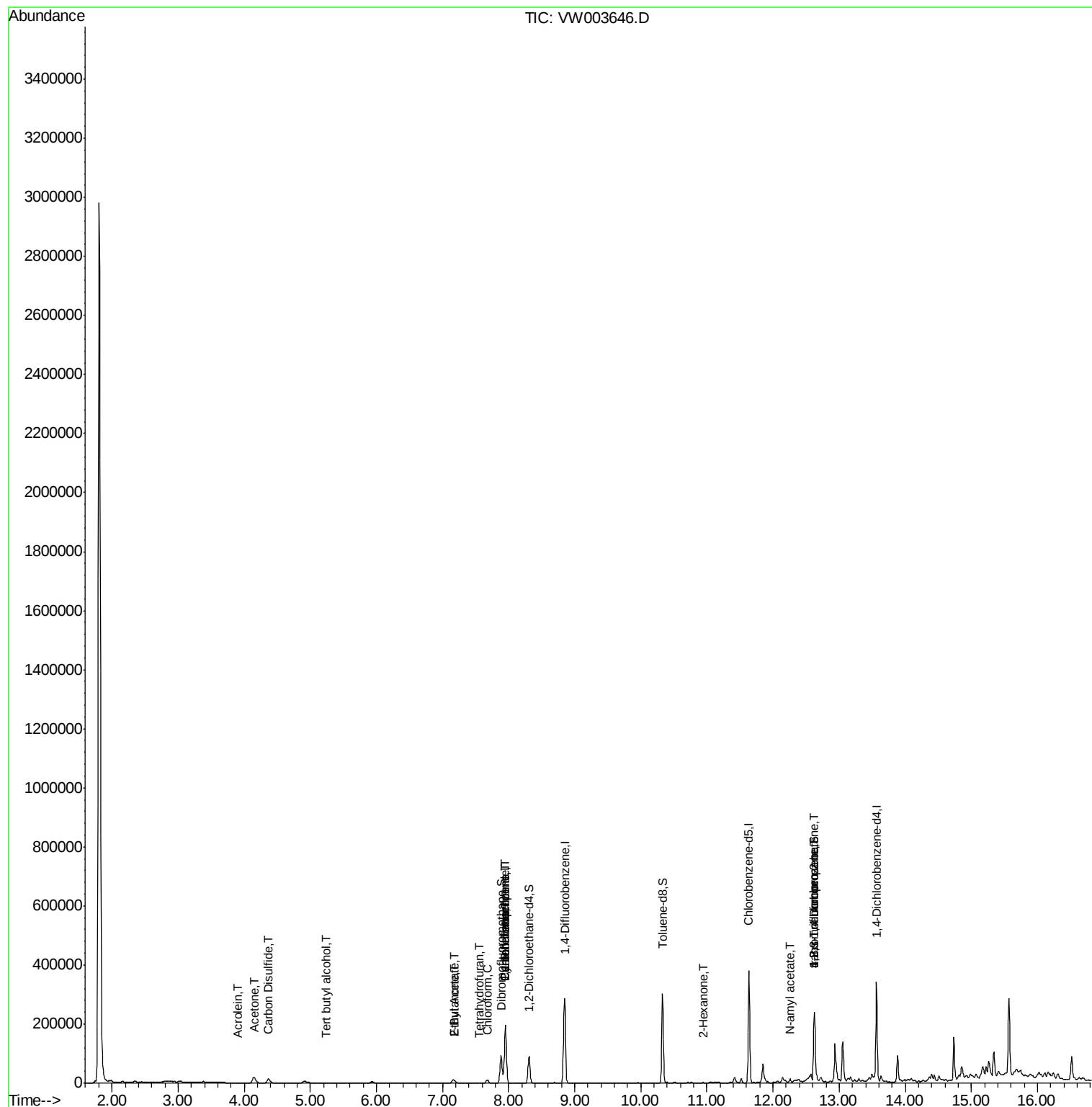
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	401	4.926	ug/l	99
13) Acrolein	3.90	56	329	2.827	ug/l #	68
16) Acetone	4.15	43	42197	132.543	ug/l	95
17) Carbon Disulfide	4.37	76	31730	8.460	ug/l	100
25) 2-Butanone	7.18	43	4877	12.319	ug/l	95
29) Tetrahydrofuran	7.54	42	384	1.587	ug/l #	59
30) Chloroform	7.68	83	9842	3.679	ug/l	92
31) Cyclohexane	7.95	56	3612	1.473	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	11843	5.303	ug/l #	51
37) Ethyl Acetate	7.18	43	4877	5.271	ug/l #	69
38) Carbon Tetrachloride	7.95	117	14006	6.394	ug/l #	16
59) 2-Hexanone	10.95	43	745	1.139	ug/l #	27
74) N-amyl acetate	12.26	43	2425	1.876	ug/l #	69
76) 1,2,3-Trichloropropane	12.62	75	38718	55.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38718	127.620	ug/l #	9

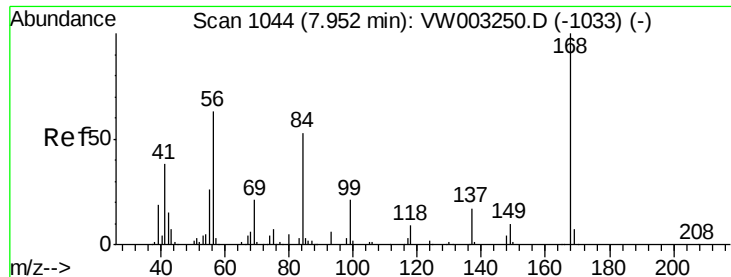
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 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: VW003646.D

Acq: 28 Jun 2018 18:33

Instrument :

MSVOA_W

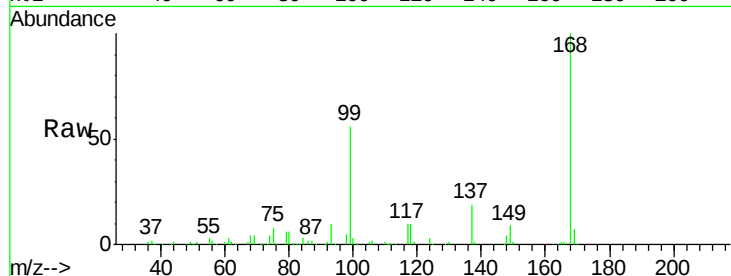
ClientSampled :

Tot Ion:168 Resp: 140144

Ion Ratio Lower Upper

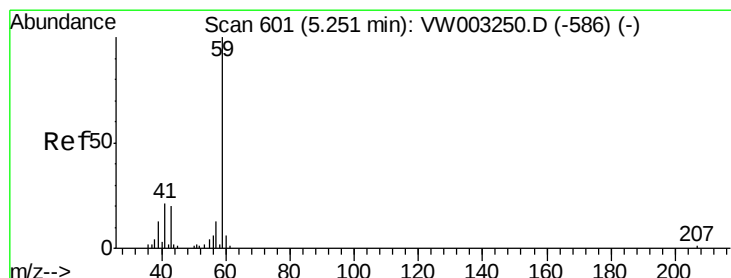
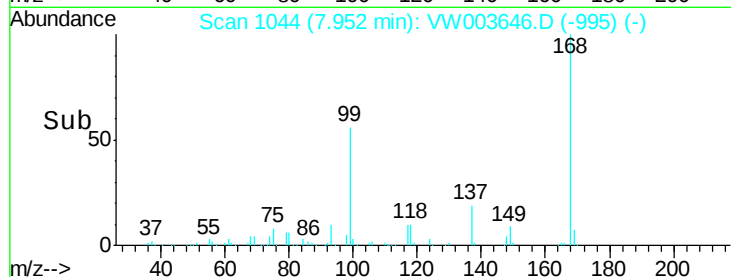
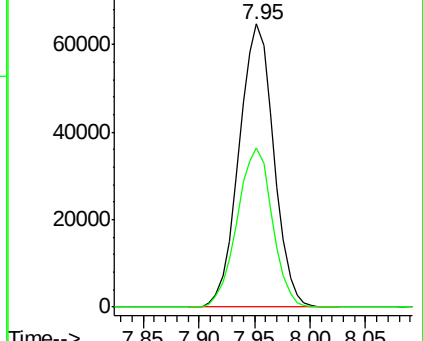
168 100

99 56.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.926 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003646.D

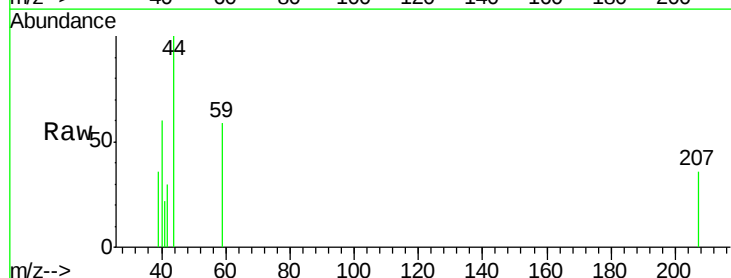
Acq: 28 Jun 2018 18:33

Tgt Ion: 59 Resp: 401

Ion Ratio Lower Upper

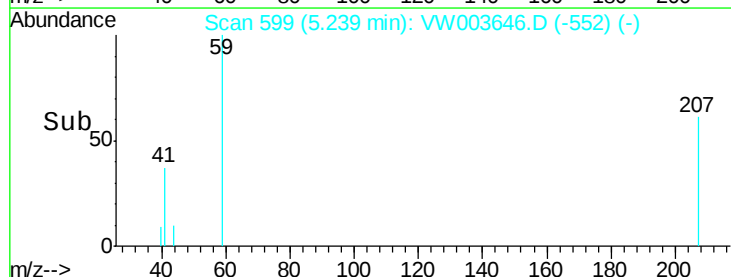
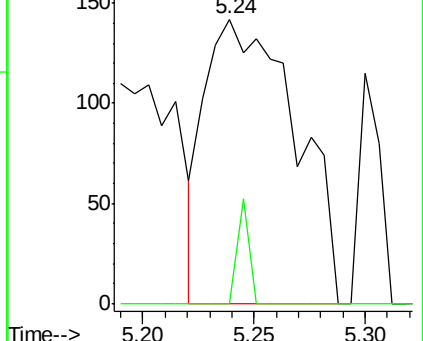
59 100

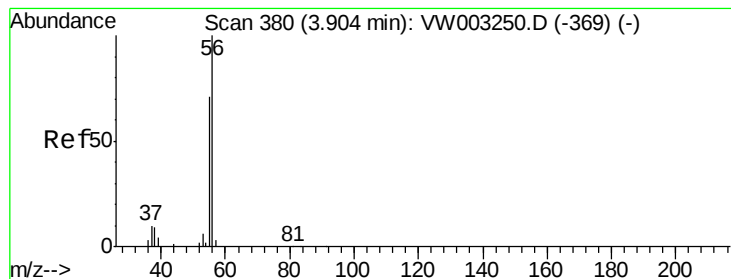
57 4.7 4.2 6.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.827 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003646.D

Acq: 28 Jun 2018 18:33

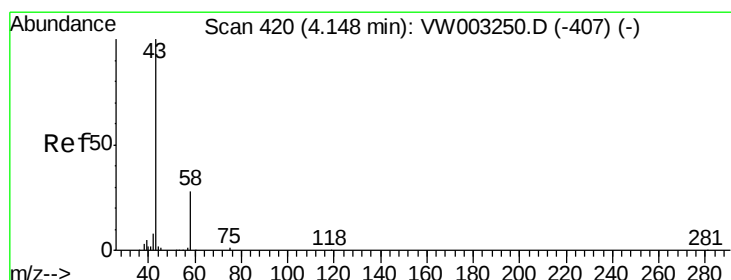
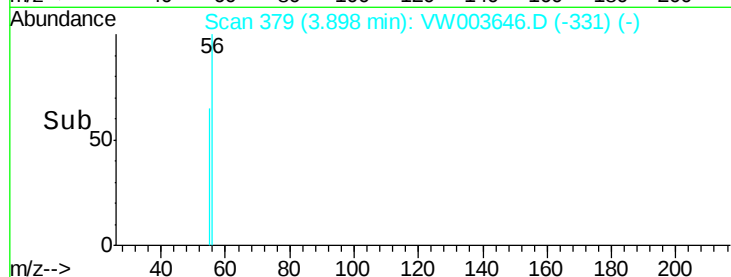
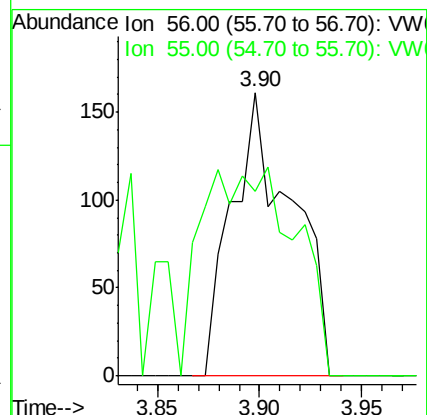
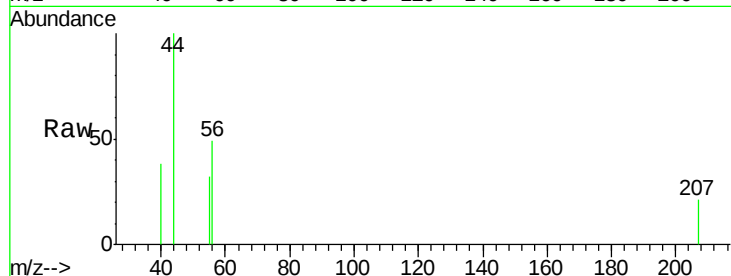
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 43.2 55.4 83.2#



#16

Acetone

Concen: 132.543 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003646.D

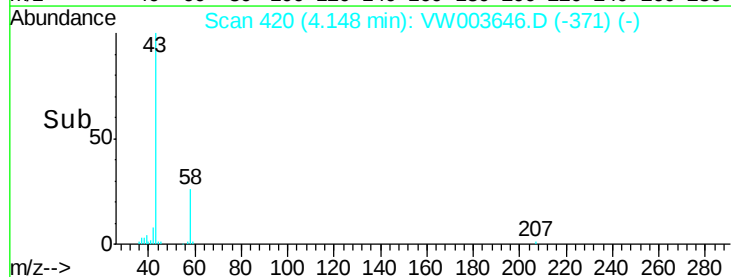
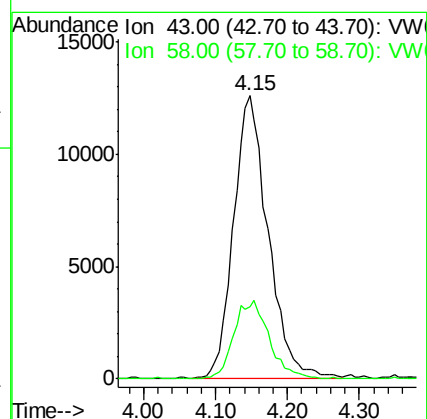
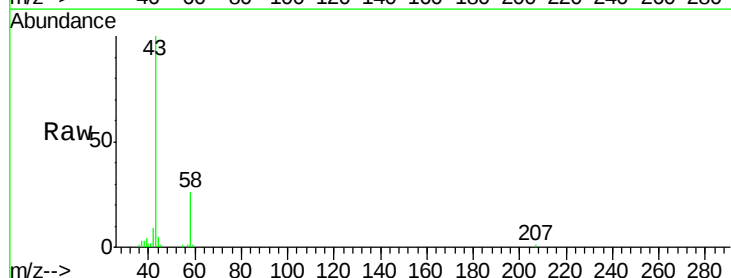
Acq: 28 Jun 2018 18:33

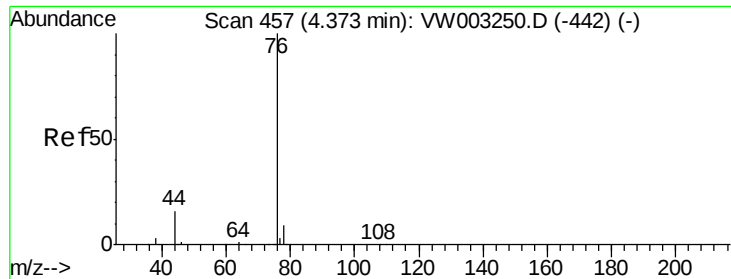
Tgt Ion: 43 Resp: 42197

Ion Ratio Lower Upper

43 100

58 25.7 22.6 34.0

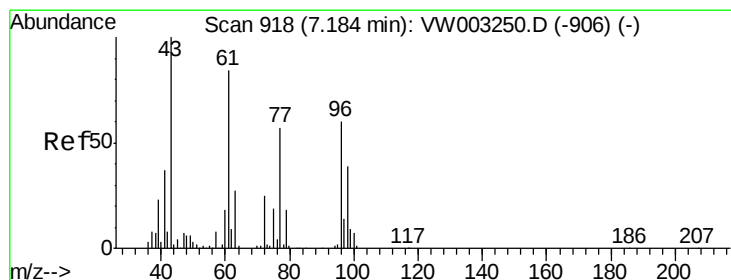
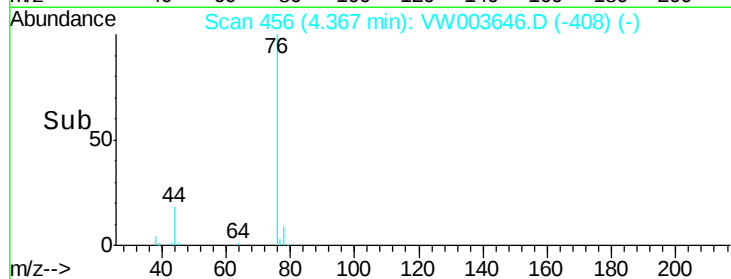
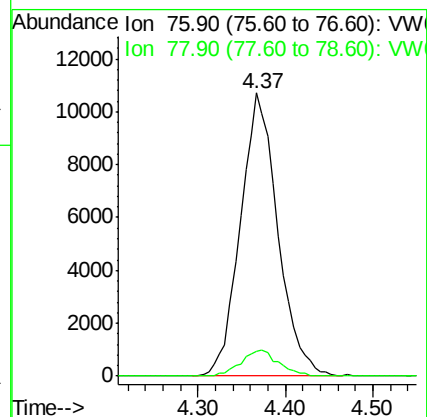
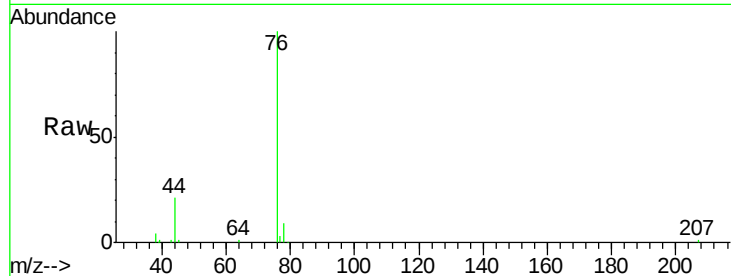




#17
Carbon Disulfide
Concen: 8.460 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

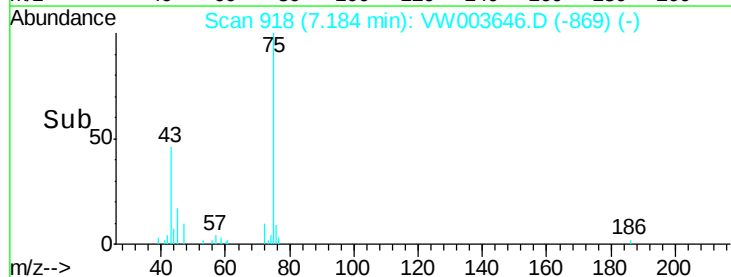
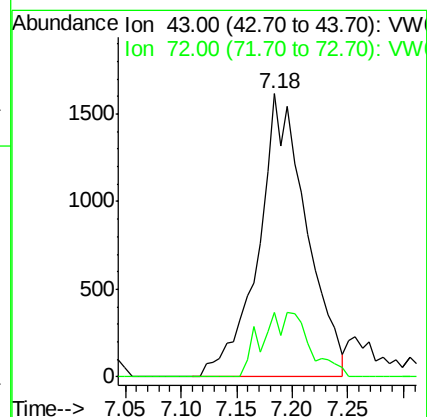
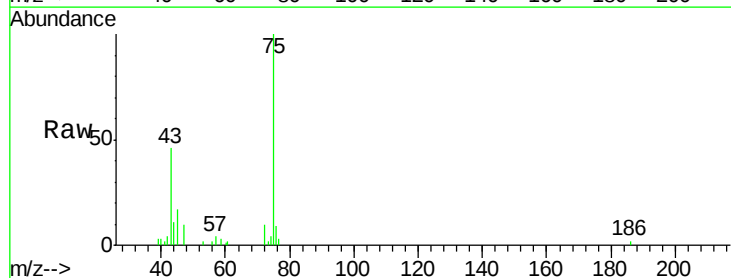
Instrument :
MSVOA_W
ClientSampled :

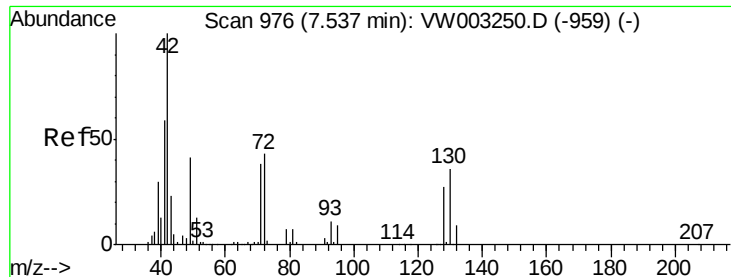
Tot Ion: 76 Resp: 31730
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#25
2-Butanone
Concen: 12.319 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

Tgt Ion: 43 Resp: 4877
Ion Ratio Lower Upper
43 100
72 22.8 20.3 30.5

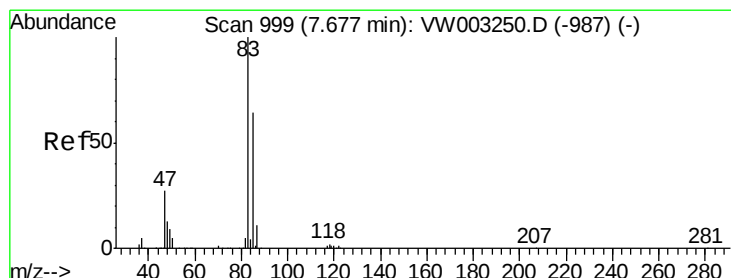
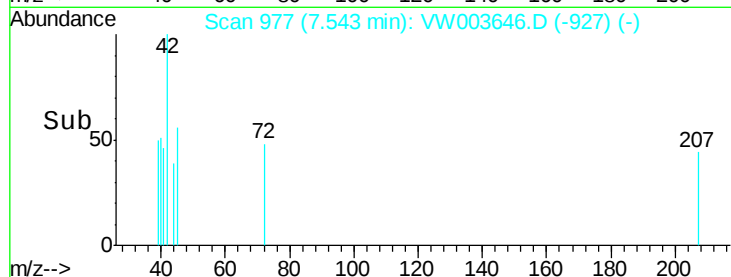
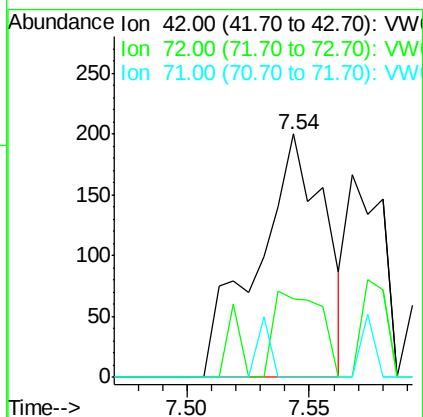
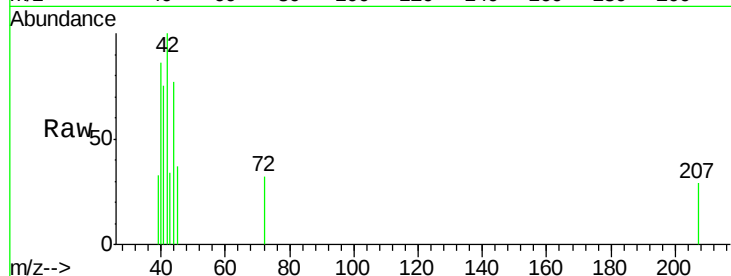




#29
Tetrahydrofuran
Concen: 1.587 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

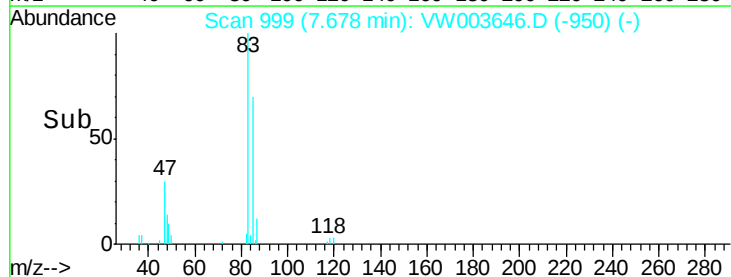
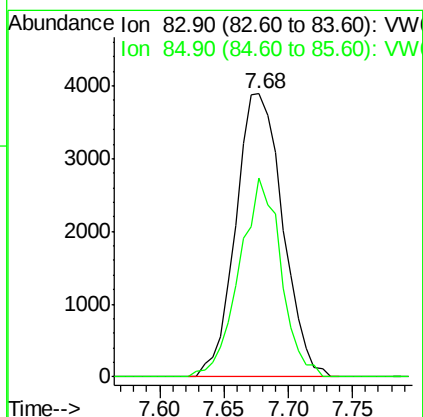
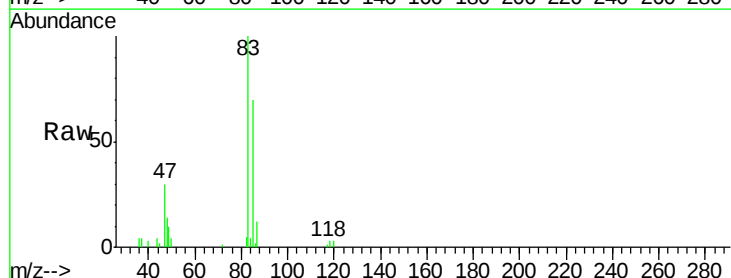
Instrument :
MSVOA_W
ClientSampleId :

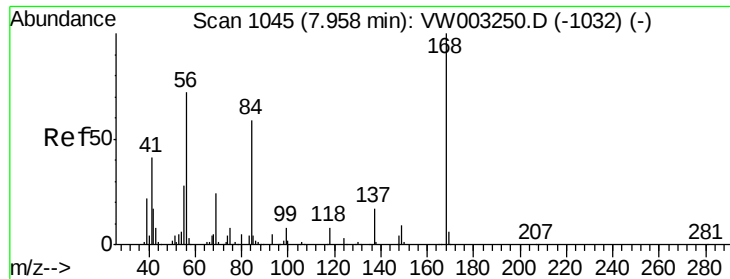
Tot Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 24.5 32.4 48.6#
71 4.7 31.2 46.8#



#30
Chloroform
Concen: 3.679 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

Tgt Ion: 83 Resp: 9842
Ion Ratio Lower Upper
83 100
85 70.3 51.3 76.9

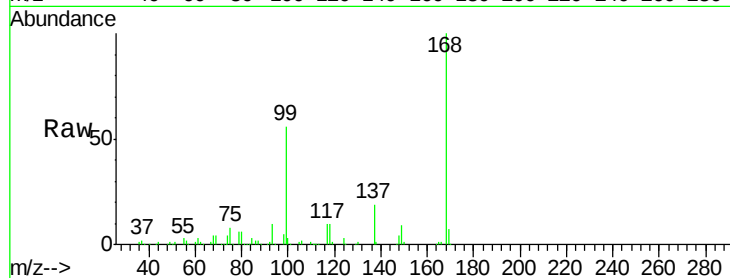




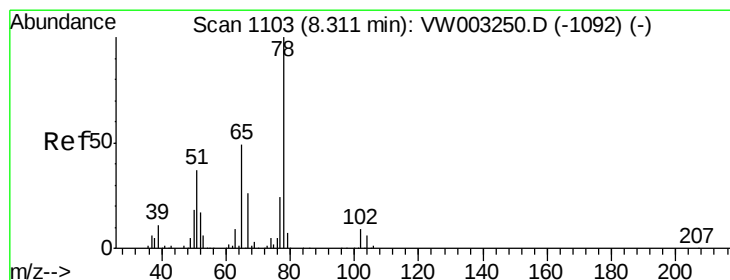
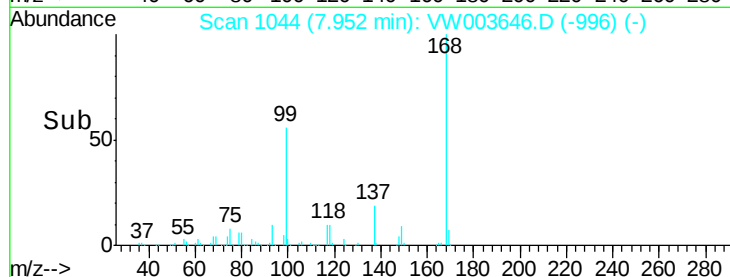
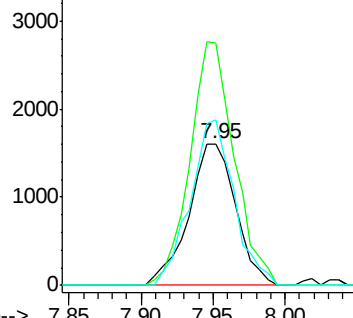
#31
Cyclohexane
Concen: 1.473 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 3612
Ion Ratio Lower Upper
56 100
69 170.6 26.3 39.5#
84 116.9 65.7 98.5#

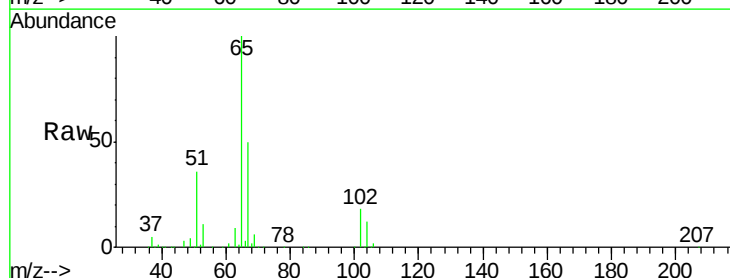


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

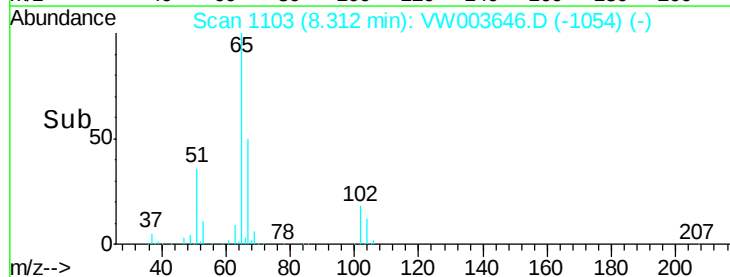
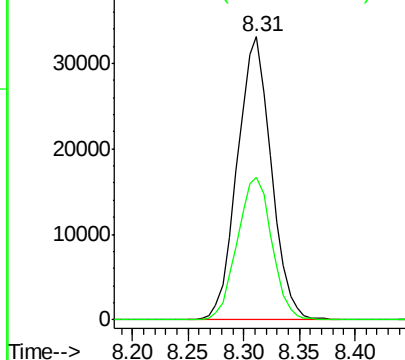


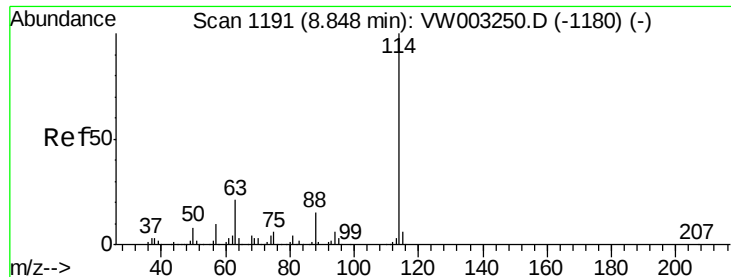
#33
1,2-Dichloroethane-d4
Concen: 46.134 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

Tgt Ion: 65 Resp: 70030
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.2



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

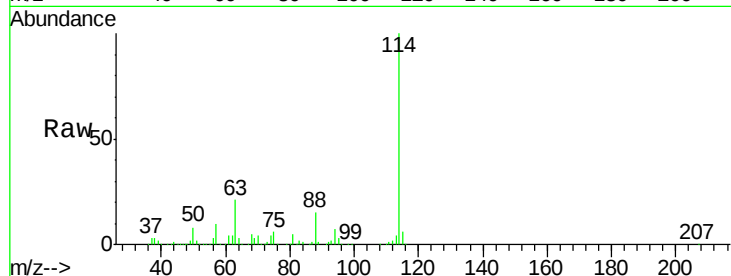




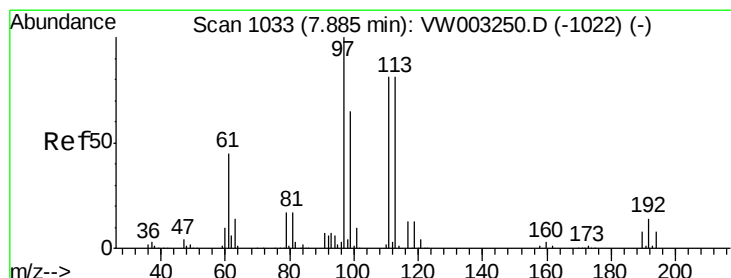
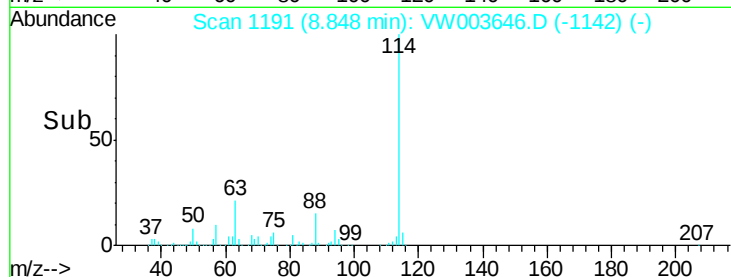
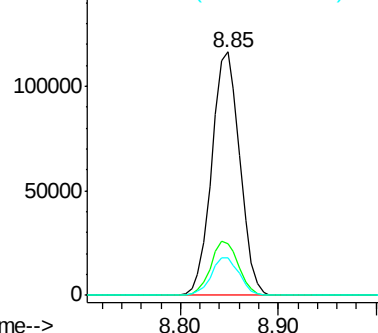
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003646.D
 Acq: 28 Jun 2018 18:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	15.3	0.0	29.6

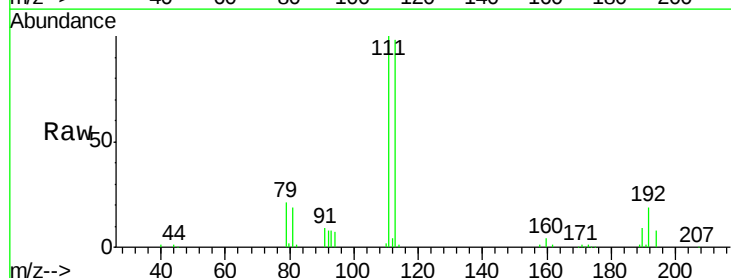


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

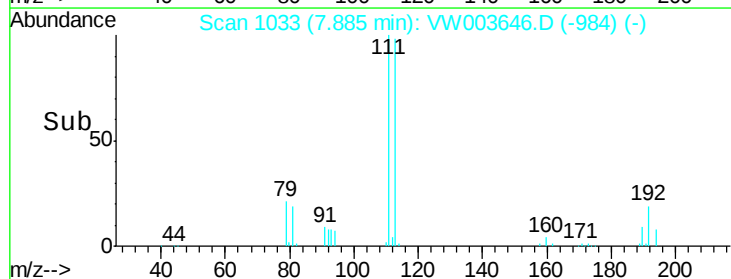
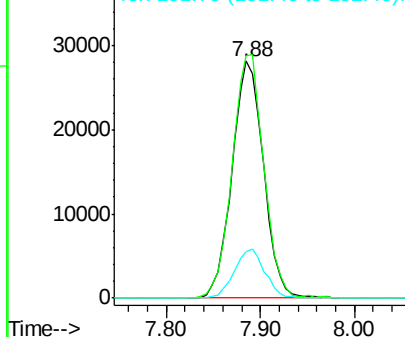


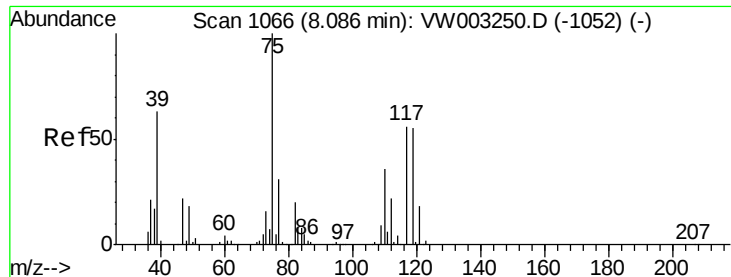
#35
 Dibromofluoromethane
 Concen: 45.506 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003646.D
 Acq: 28 Jun 2018 18:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	20.0	16.2	24.2



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





#36

1,1-Dichloropropene

Concen: 5.303 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.14 min

Lab File: VW003646.D

Acq: 28 Jun 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

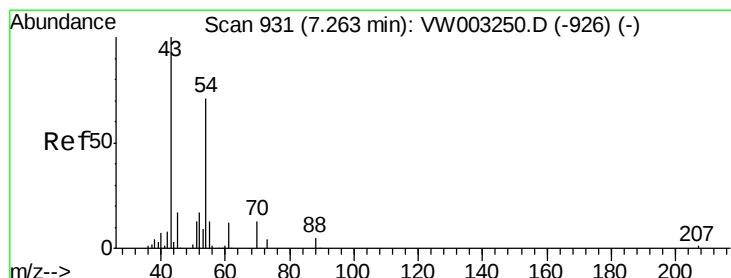
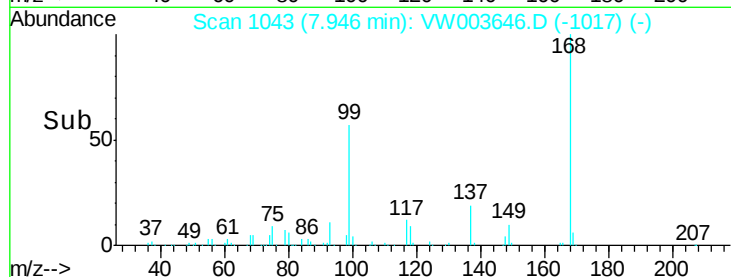
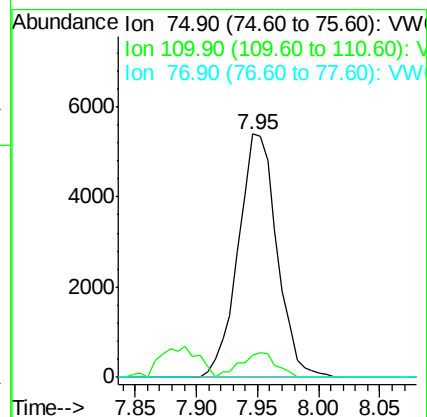
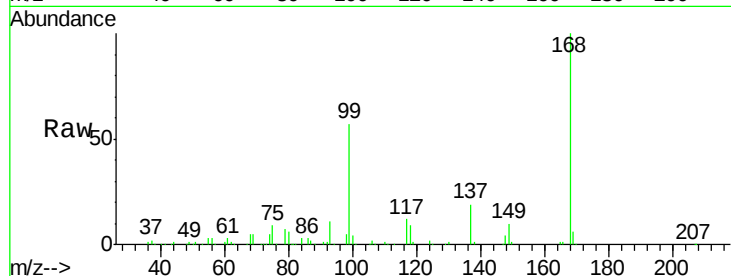
Tot Ion: 75 Resp: 11843

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 5.271 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.08 min

Lab File: VW003646.D

Acq: 28 Jun 2018 18:33

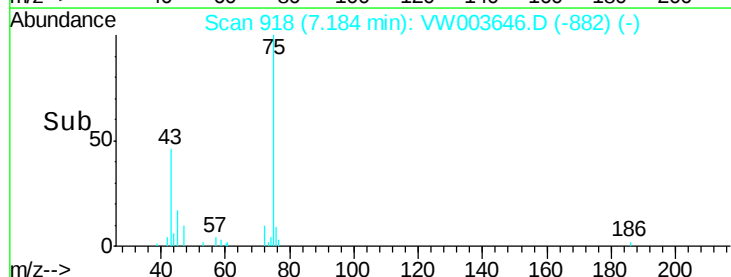
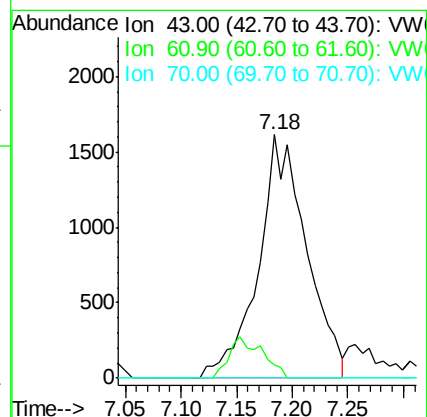
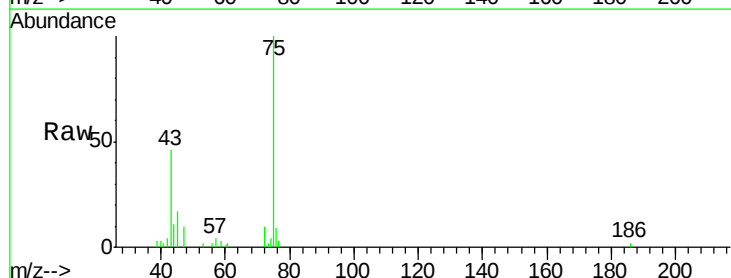
Tgt Ion: 43 Resp: 4877

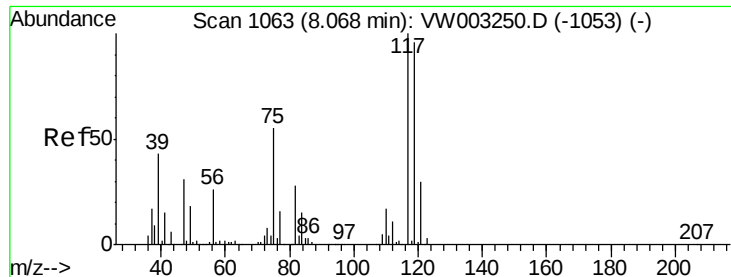
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 6.394 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003646.D

Acq: 28 Jun 2018 18:33

Instrument :

MSVOA_W

ClientSampled :

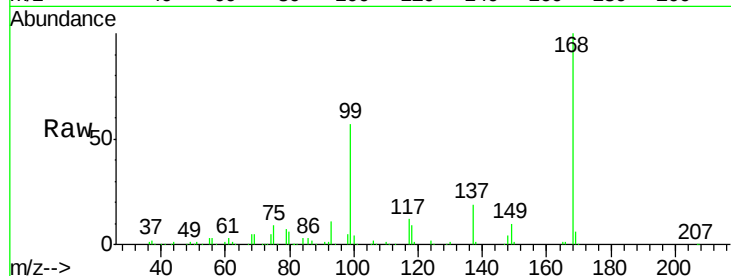
Tot Ion:117 Resp: 14006

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

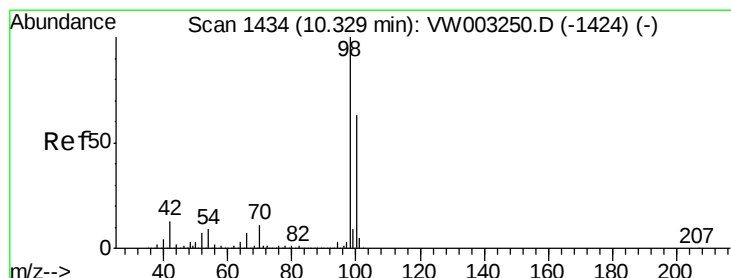
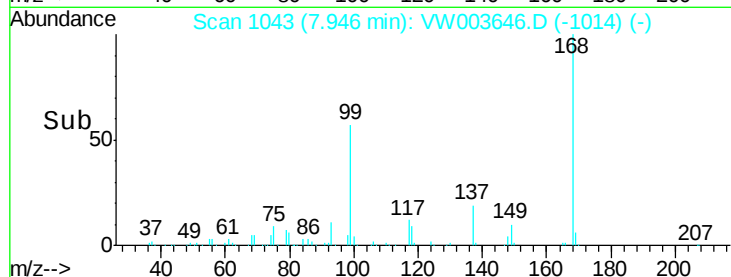
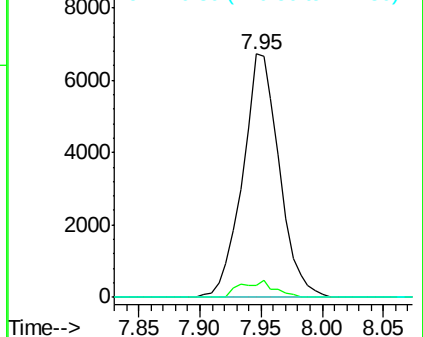
121 0.0 23.9 35.9#



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: 33.962 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003646.D

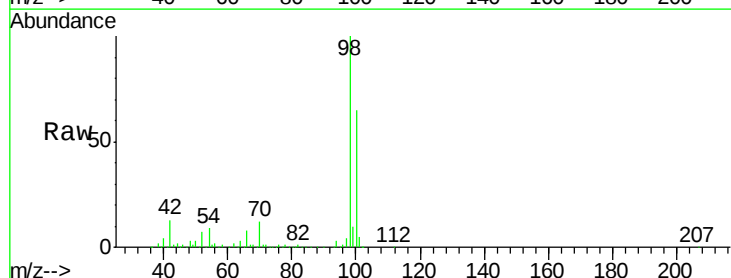
Acq: 28 Jun 2018 18:33

Tgt Ion: 98 Resp: 193499

Ion Ratio Lower Upper

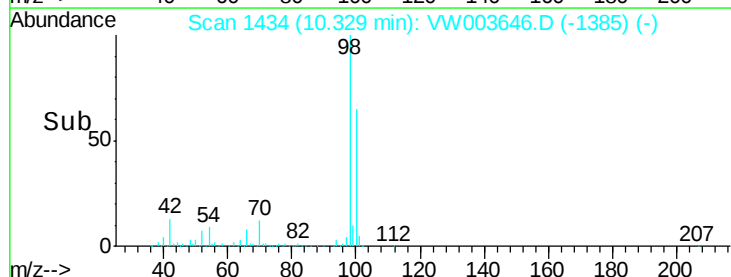
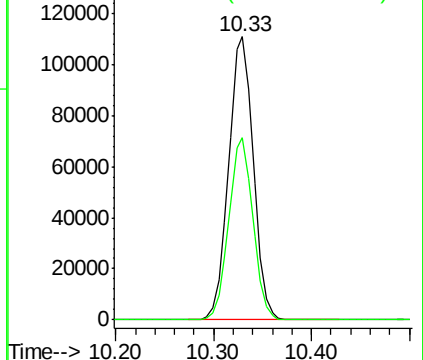
98 100

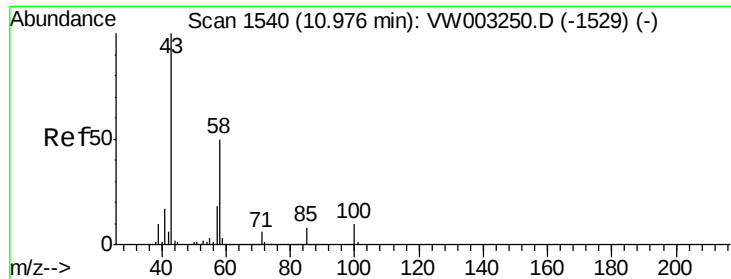
100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

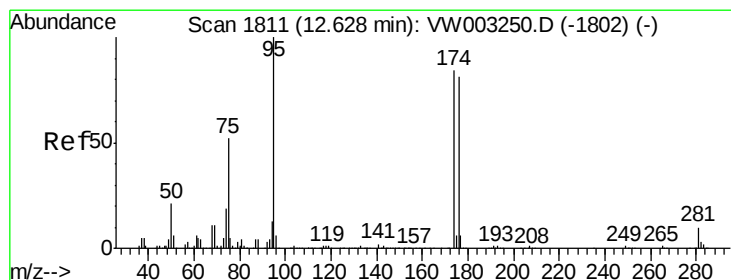
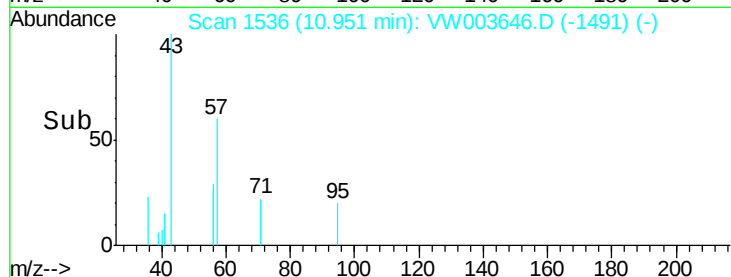
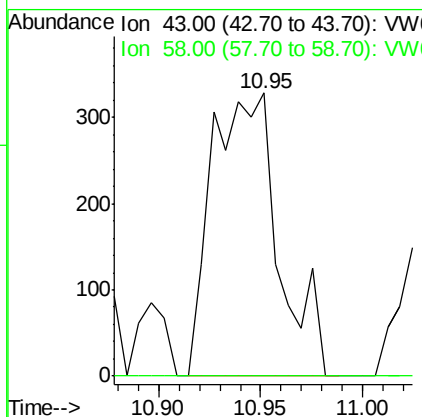
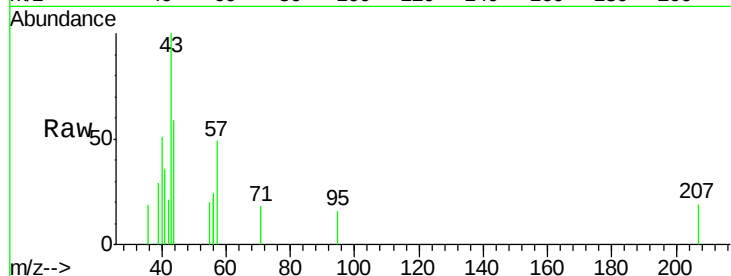




#59
2-Hexanone
Concen: 1.139 ug/l
RT: 10.95 min Scan# 1536
Delta R.T. -0.02 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

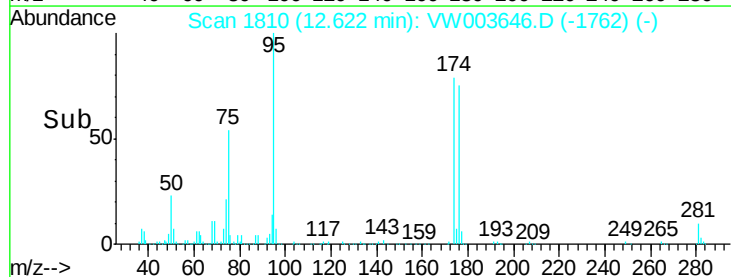
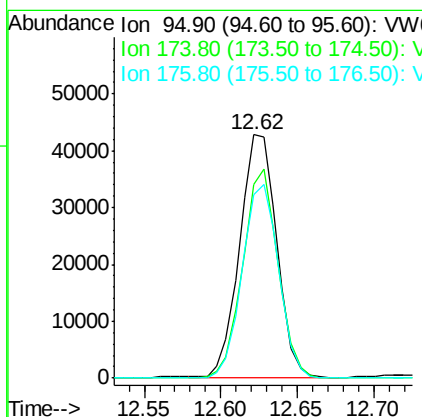
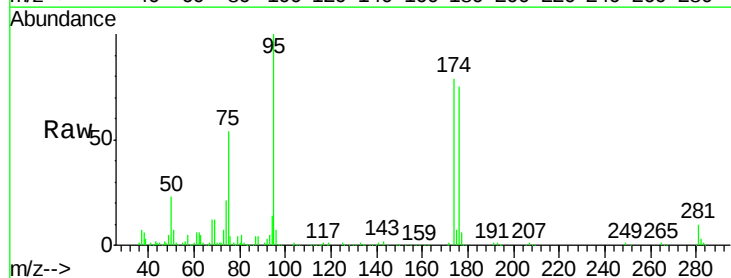
Instrument :
MSVOA_W
ClientSampleId :

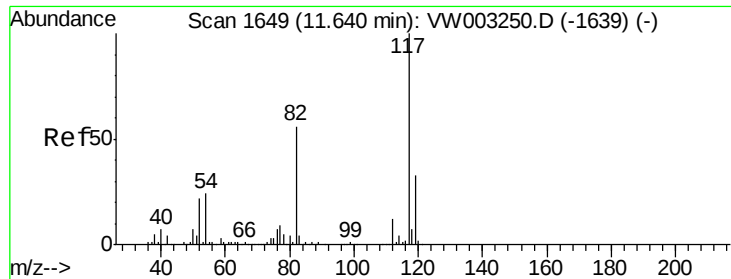
Tot Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
58 0.0 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 35.469 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

Tgt Ion: 95 Resp: 71516
Ion Ratio Lower Upper
95 100
174 82.0 0.0 166.4
176 78.9 0.0 162.0

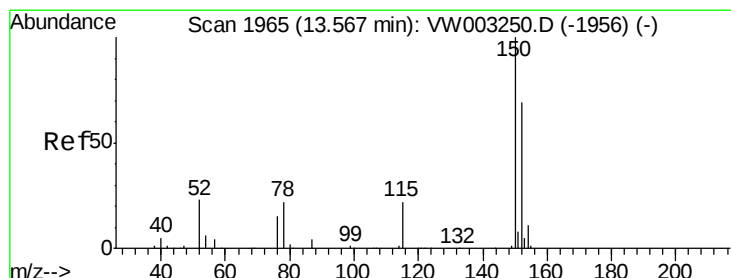
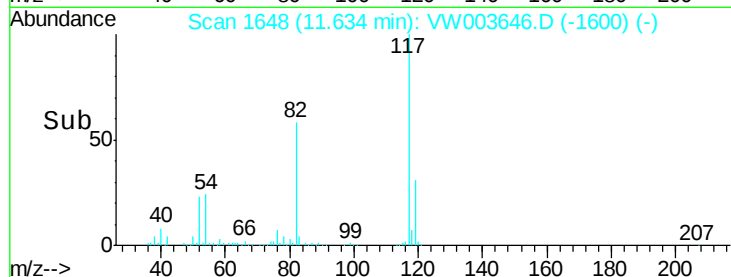
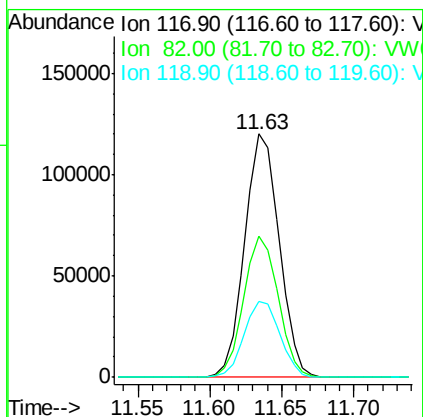
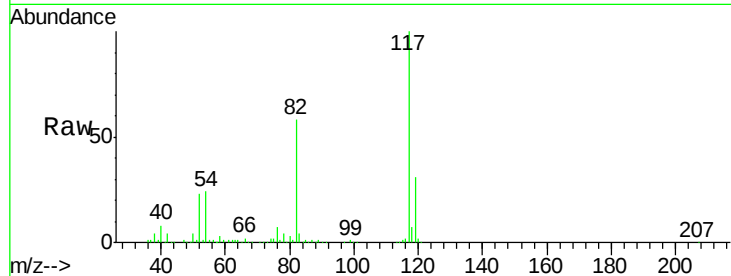




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

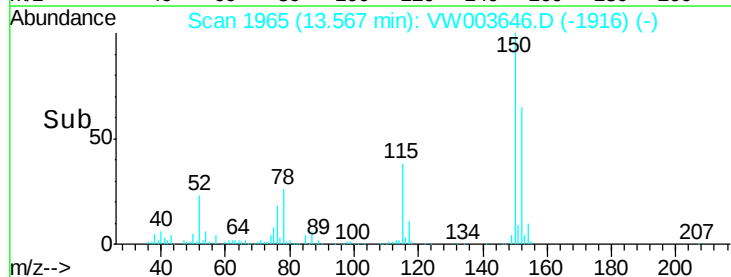
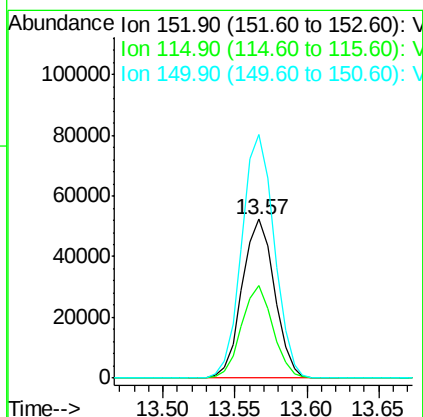
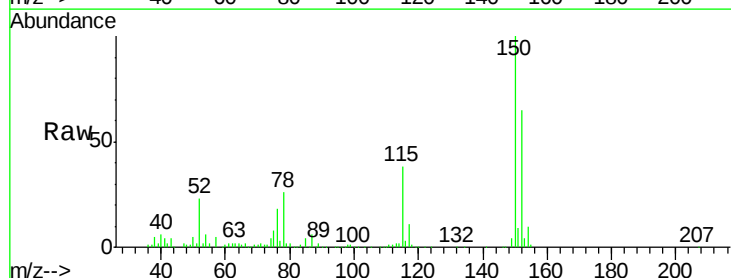
Instrument :
MSVOA_W
ClientSampleId :

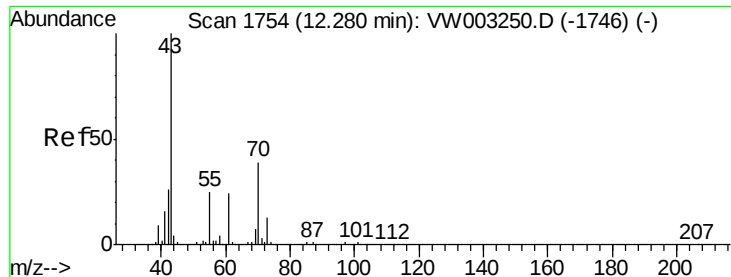
Tot Ion:117 Resp: 199411
Ion Ratio Lower Upper
117 100
82 57.9 44.6 67.0
119 31.2 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003646.D
Acq: 28 Jun 2018 18:33

Tgt Ion:152 Resp: 81661
Ion Ratio Lower Upper
152 100
115 56.8 29.3 88.0
150 154.1 0.0 349.6





#74

N-amvl acetate

Concen: 1.876 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW003646.D

Acq: 28 Jun 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 2425

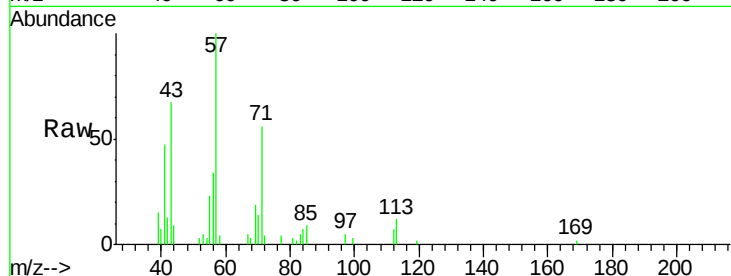
Ion Ratio Lower Upper

43 100

70 45.2 31.0 46.6

55 48.4 19.7 29.5#

61 0.0 18.1 27.1#

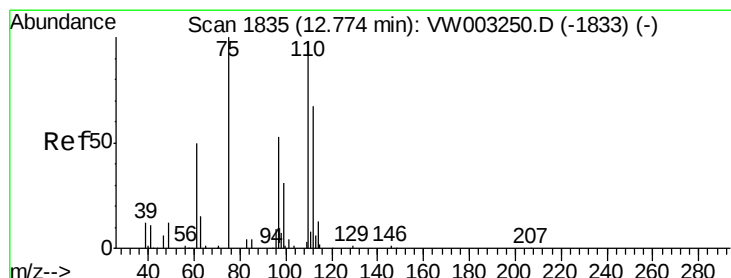
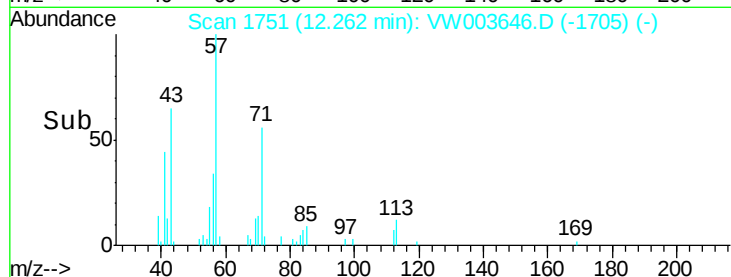
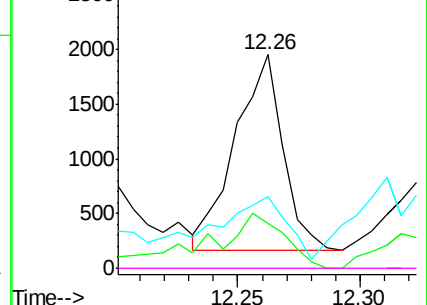


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 55.461 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003646.D

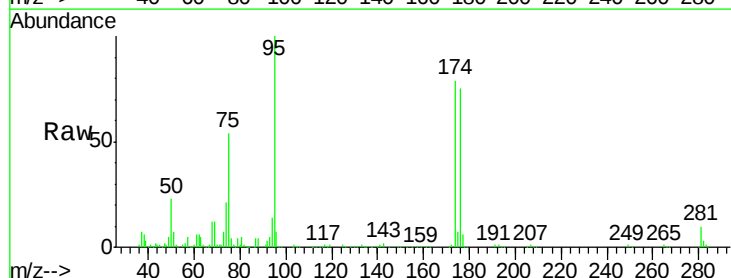
Acq: 28 Jun 2018 18:33

Tgt Ion: 75 Resp: 38718

Ion Ratio Lower Upper

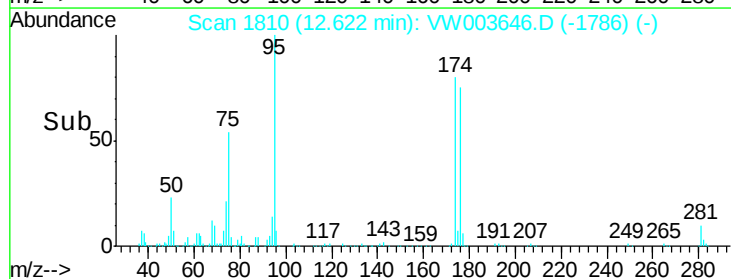
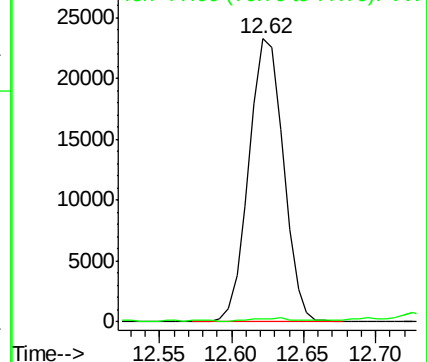
75 100

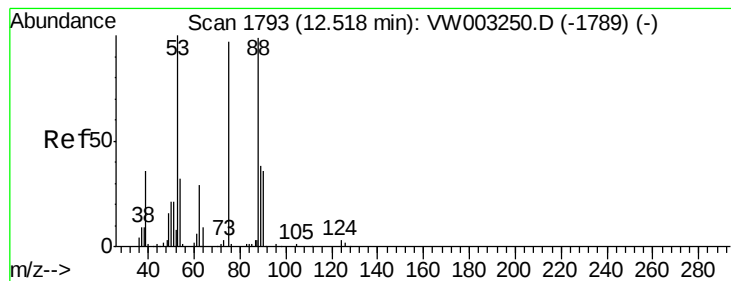
77 1.7 0.0 0.0#



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: 127.620 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003646.D

Acq: 28 Jun 2018 18:33

Instrument :

MSVOA_W

ClientSampleId :

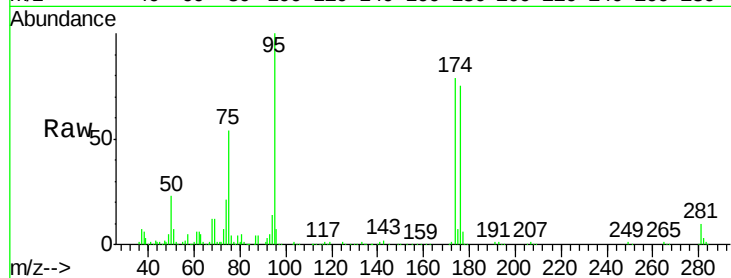
Tot Ion: 75 Resp: 38718

Ion Ratio Lower Upper

75 100

53 0.8 82.9 124.3#

89 0.1 36.7 55.1#



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

