

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003648.D
 Acq On : 28 Jun 2018 19:25
 Operator : SY/AP
 Sample : J3732-02RE
 Misc : 5.14G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:46:15 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	141950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	231784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	79587	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	71883	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
35) Dibromofluoromethane	7.89	113	66923	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	10.33	98	194851	34.12	ug/l	0.00
Spiked Amount			Recovery	=	68.24%	
62) 4-Bromofluorobenzene	12.63	95	63756	31.55	ug/l	0.00
Spiked Amount			Recovery	=	63.10%	

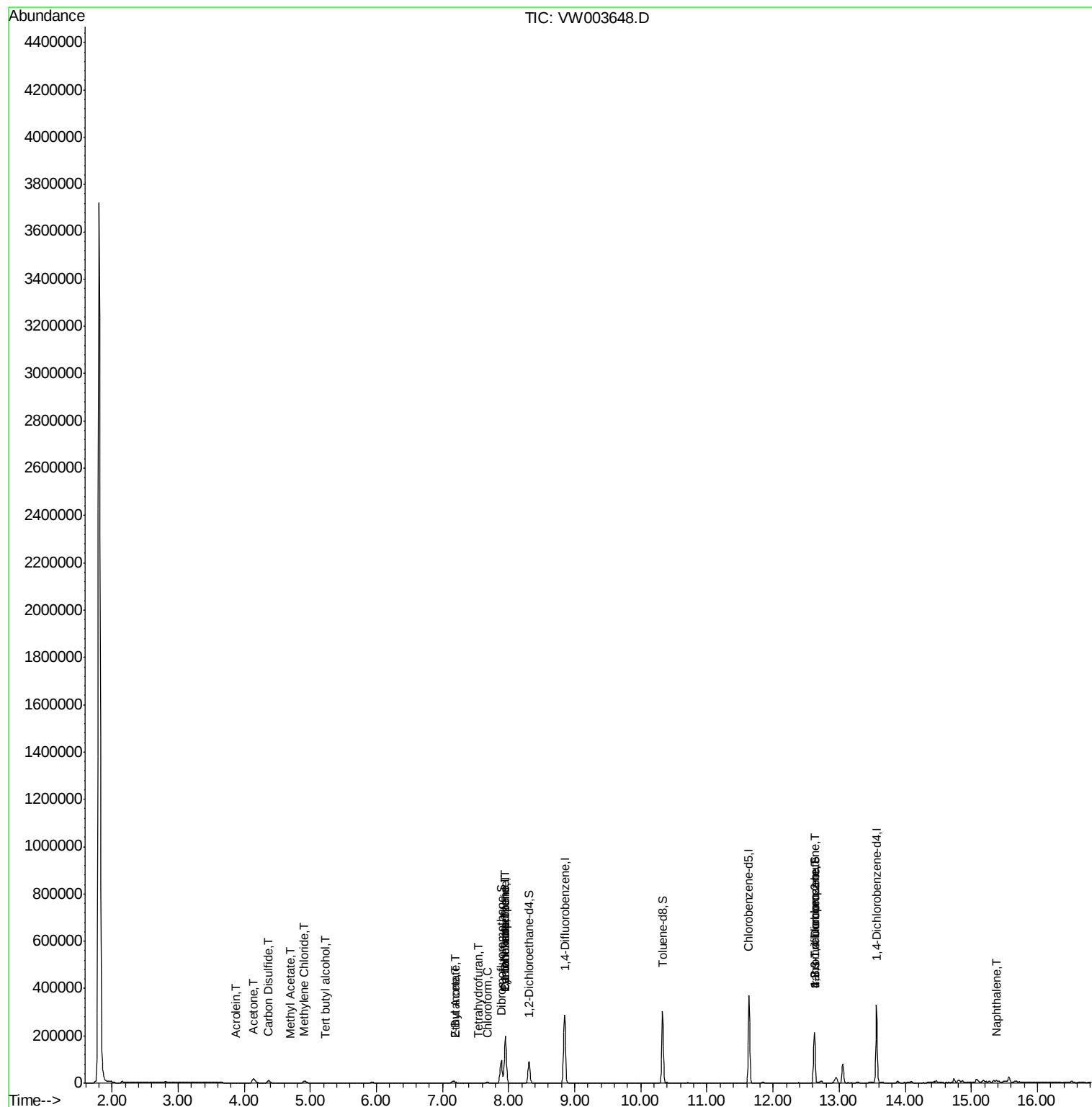
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	315	3.820	ug/l #	97
13) Acrolein	3.89	56	215	1.824	ug/l #	38
16) Acetone	4.14	43	36609	113.528	ug/l	98
17) Carbon Disulfide	4.37	76	24094	6.342	ug/l	96
18) Methyl Acetate	4.69	43	767	1.003	ug/l #	52
20) Methylene Chloride	4.91	84	6741	1.349	ug/l	90
25) 2-Butanone	7.20	43	4224	10.534	ug/l #	80
29) Tetrahydrofuran	7.54	42	482	1.967	ug/l #	60
30) Chloroform	7.68	83	3743	1.382	ug/l	99
31) Cyclohexane	7.95	56	3768	1.517	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	12028	5.373	ug/l #	51
37) Ethyl Acetate	7.20	43	4224	4.555	ug/l #	69
38) Carbon Tetrachloride	7.95	117	14489	6.599	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	34705	51.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	34705	117.373	ug/l #	9
95) Naphthalene	15.38	128	5300	1.919	ug/l #	94

(#) = 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: VW003648.D

Acq: 28 Jun 2018 19:25

Instrument :

MSVOA_W

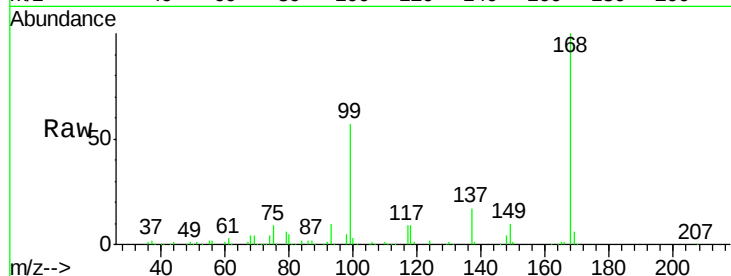
ClientSampled :

Tot Ion:168 Resp: 141950

Ion Ratio Lower Upper

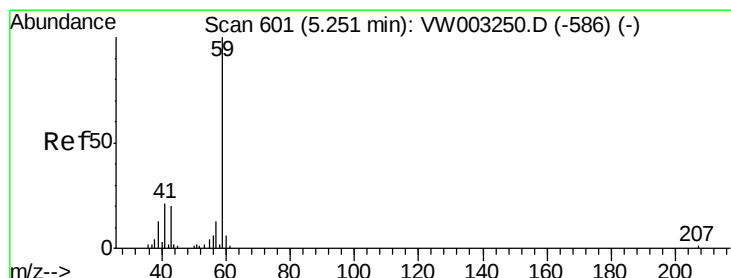
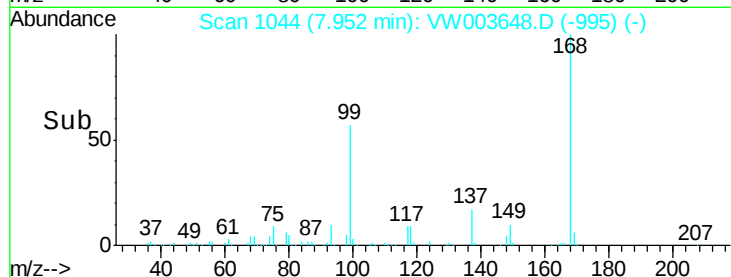
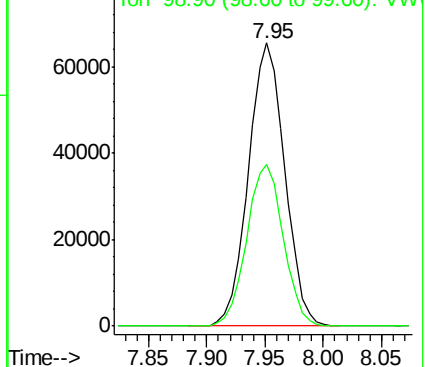
168 100

99 56.9 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: 3.820 ug/l

RT: 5.23 min Scan# 597

Delta R.T. -0.02 min

Lab File: VW003648.D

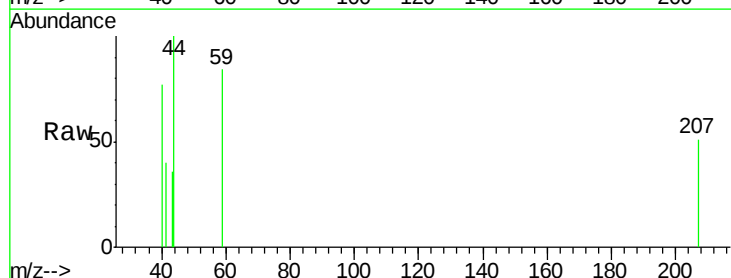
Acq: 28 Jun 2018 19:25

Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

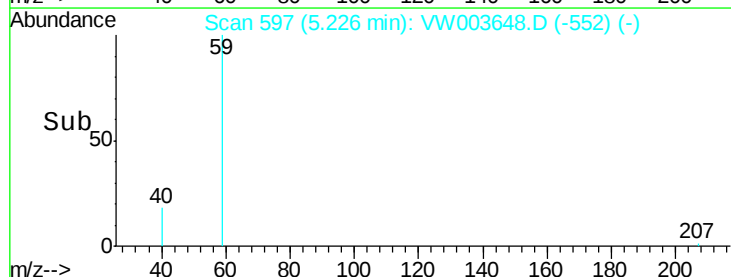
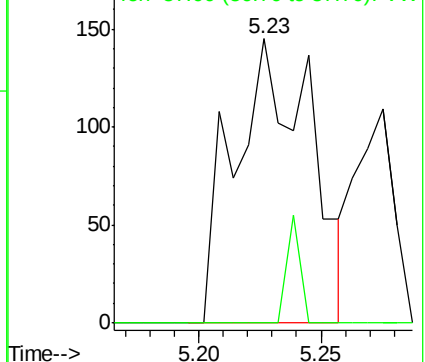
59 100

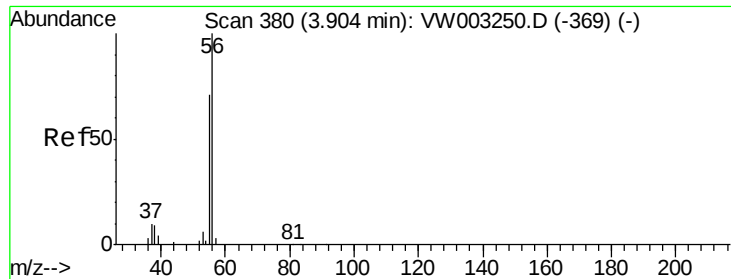
57 6.3 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.824 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.02 min

Lab File: VW003648.D

Acq: 28 Jun 2018 19:25

Instrument :

MSVOA_W

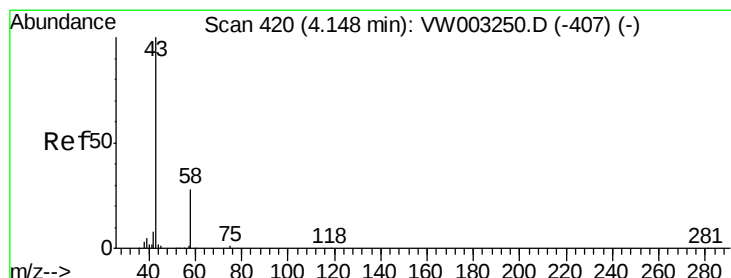
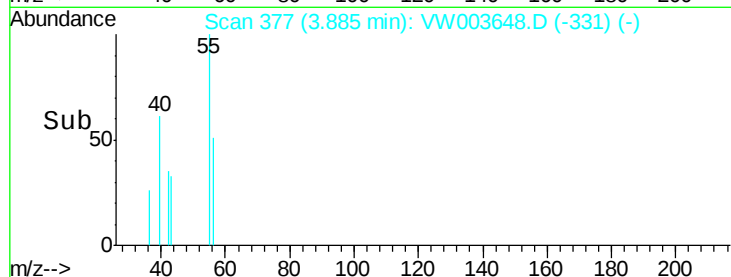
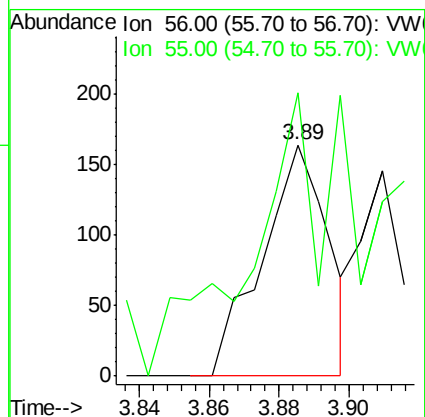
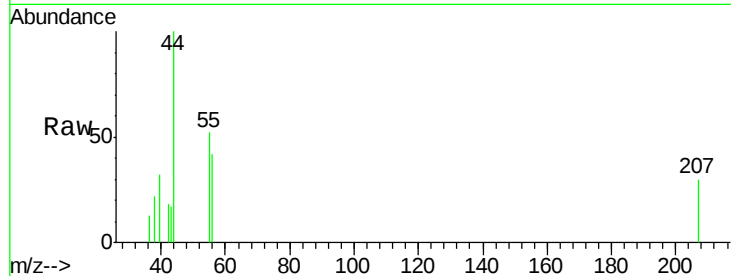
ClientSampled :

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 119.5 55.4 83.2#



#16

Acetone

Concen: 113.528 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003648.D

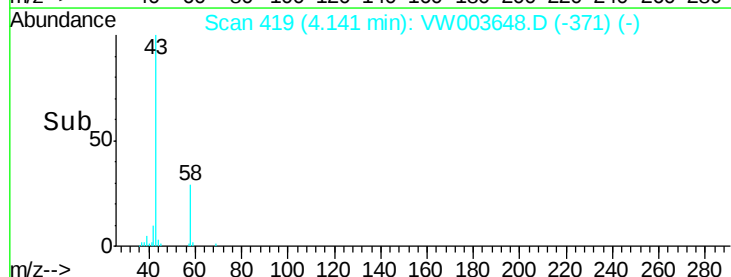
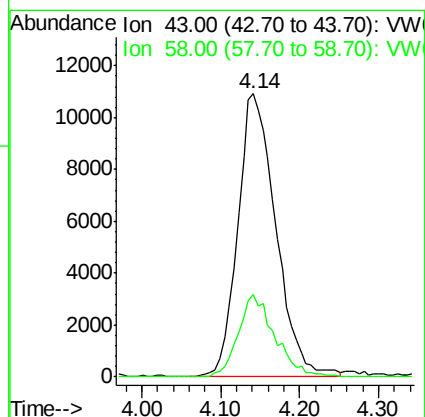
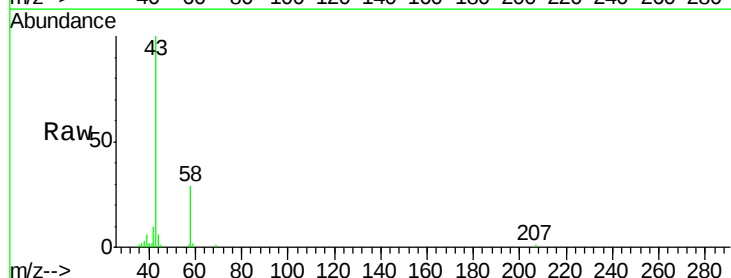
Acq: 28 Jun 2018 19:25

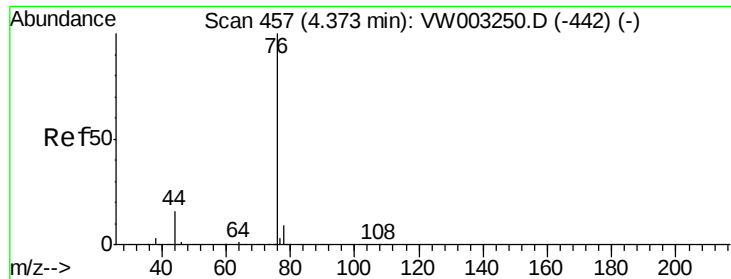
Tgt Ion: 43 Resp: 36609

Ion Ratio Lower Upper

43 100

58 29.3 22.6 34.0





#17

Carbon Disulfide

Concen: 6.342 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003648.D

Acq: 28 Jun 2018 19:25

Instrument :

MSVOA_W

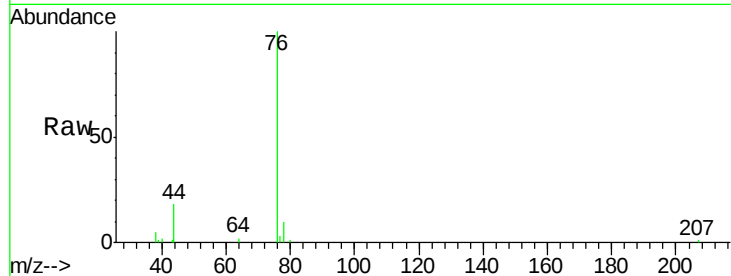
ClientSampled :

Tot Ion: 76 Resp: 24094

Ion Ratio Lower Upper

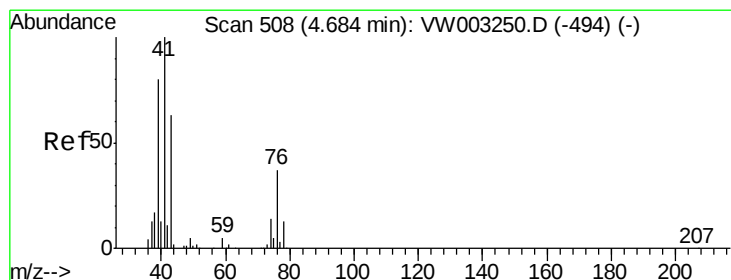
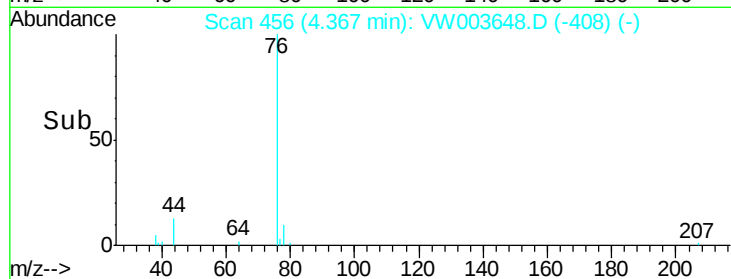
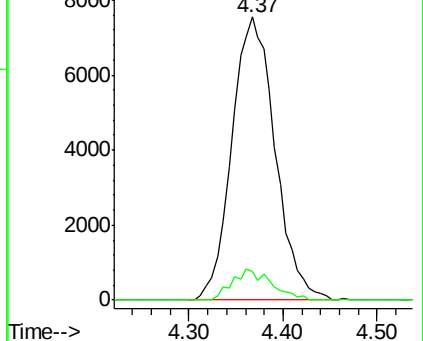
76 100

78 10.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 1.003 ug/l

RT: 4.69 min Scan# 509

Delta R.T. 0.01 min

Lab File: VW003648.D

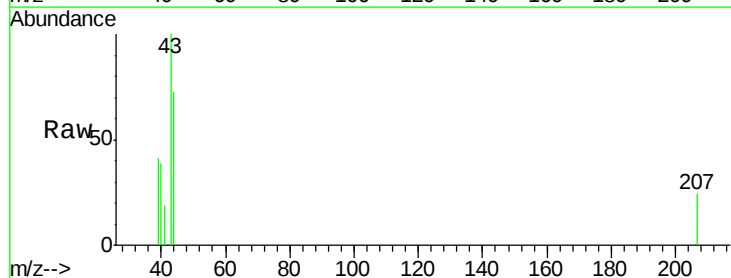
Acq: 28 Jun 2018 19:25

Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

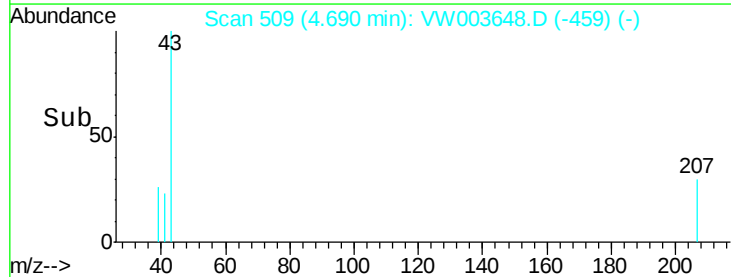
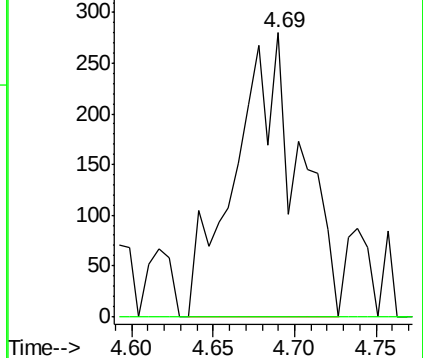
43 100

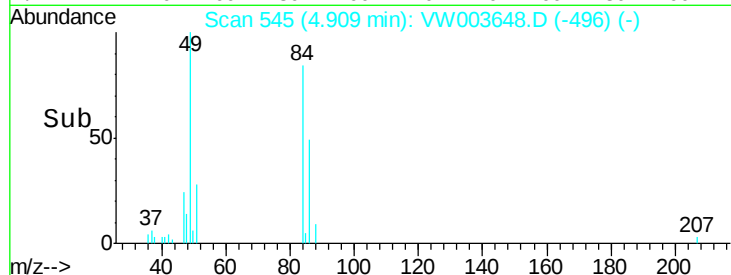
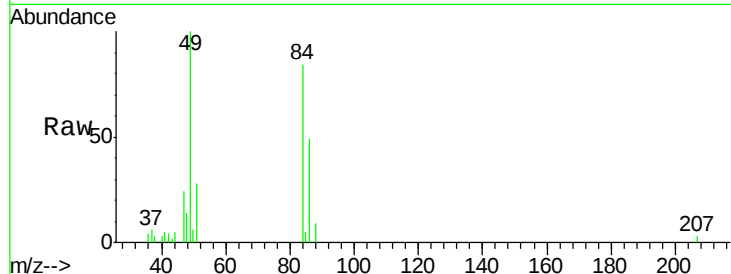
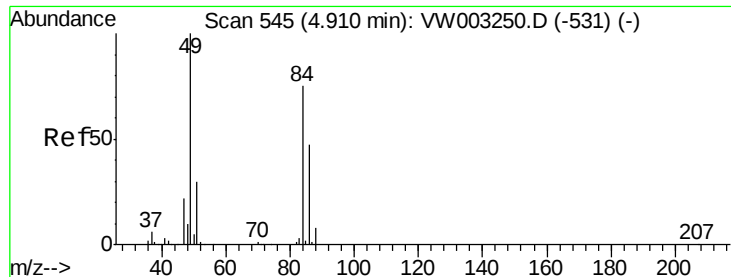
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

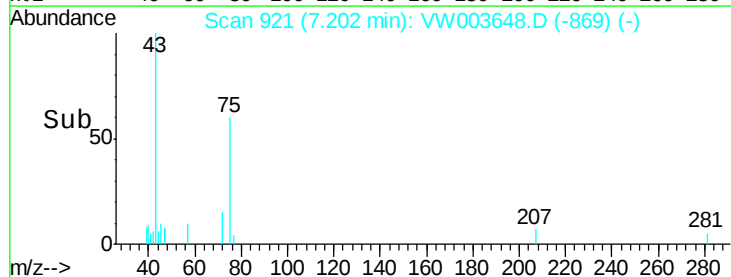
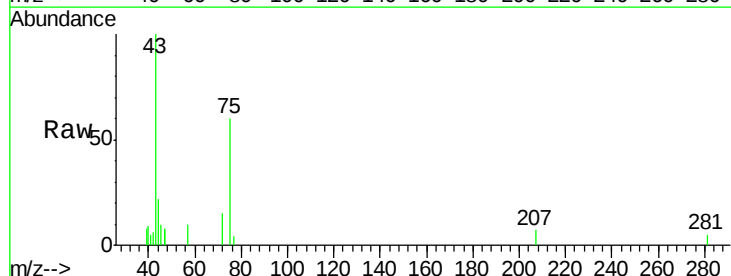
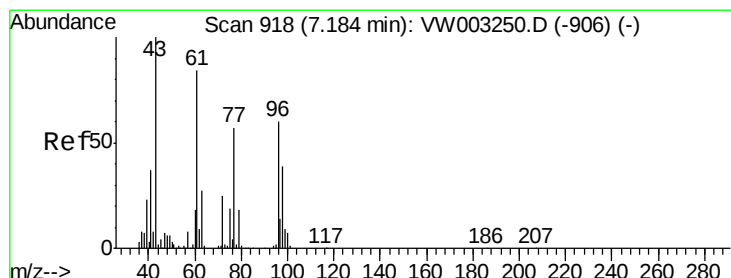
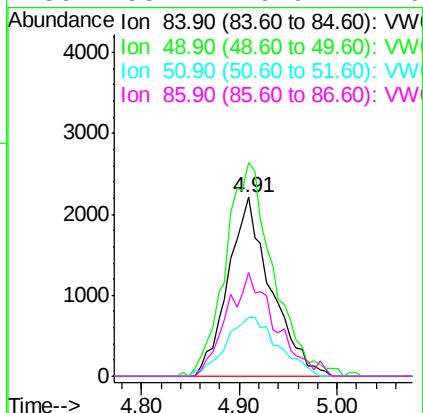




#20
Methvlene Chloride
Concen: 1.349 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

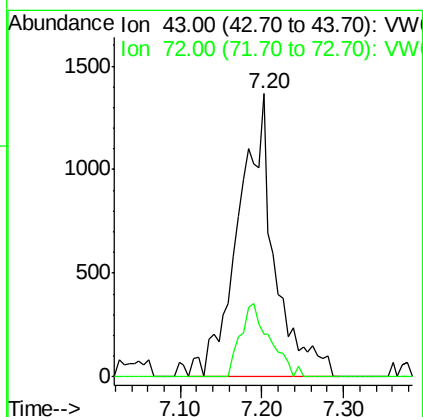
Instrument :
MSVOA_W
ClientSampleId :

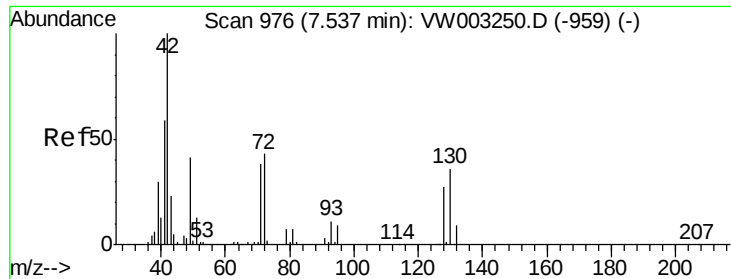
Tot Ion:	84	Resp:	6741
Ion	Ratio	Lower	Upper
84	100		
49	119.6	106.3	159.5
51	33.0	32.0	48.0
86	58.2	49.9	74.9



#25
2-Butanone
Concen: 10.534 ug/l
RT: 7.20 min Scan# 921
Delta R.T. 0.02 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Tgt Ion:	43	Resp:	4224
Ion	Ratio	Lower	Upper
43	100		
72	15.2	20.3	30.5#

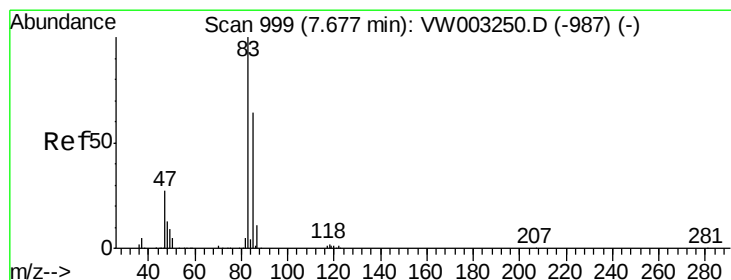
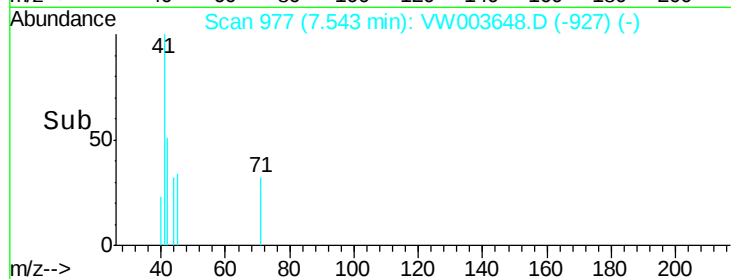
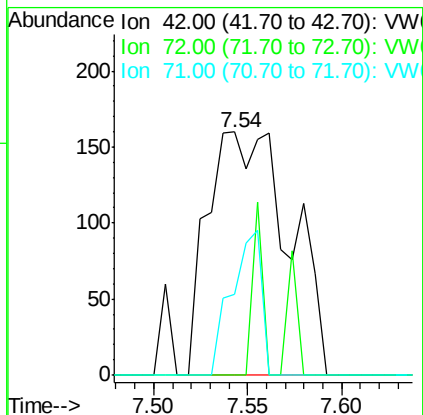
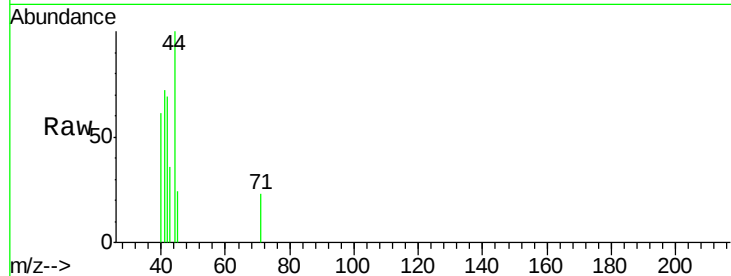




#29
Tetrahydrofuran
Concen: 1.967 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

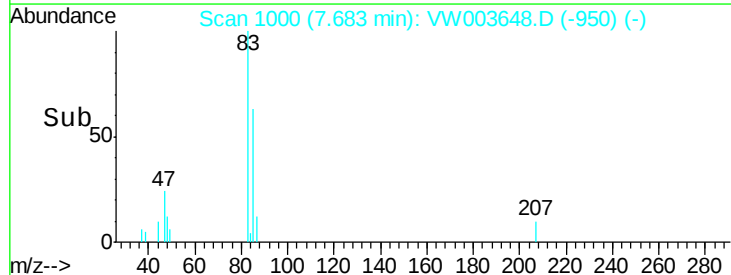
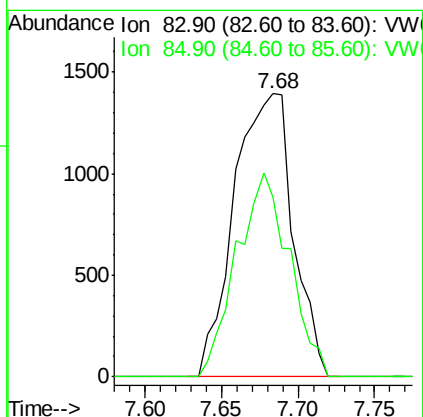
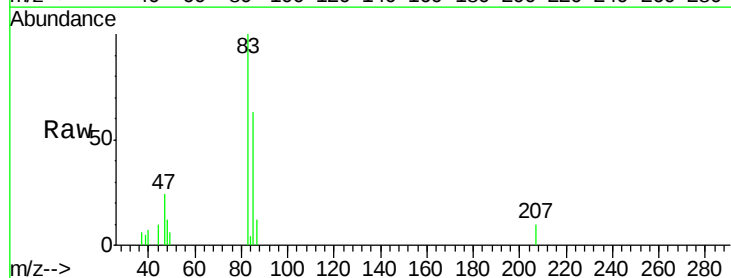
Instrument :
MSVOA_W
ClientSampleId :

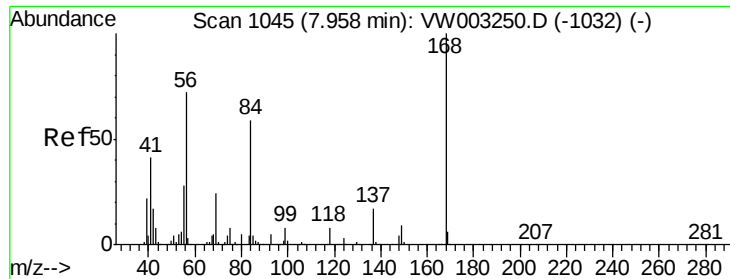
Tot Ion: 42 Resp: 482
Ion Ratio Lower Upper
42 100
72 8.7 32.4 48.6#
71 21.8 31.2 46.8#



#30
Chloroform
Concen: 1.382 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Tgt Ion: 83 Resp: 3743
Ion Ratio Lower Upper
83 100
85 63.3 51.3 76.9

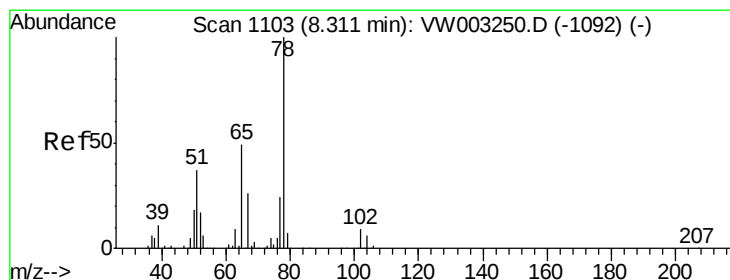
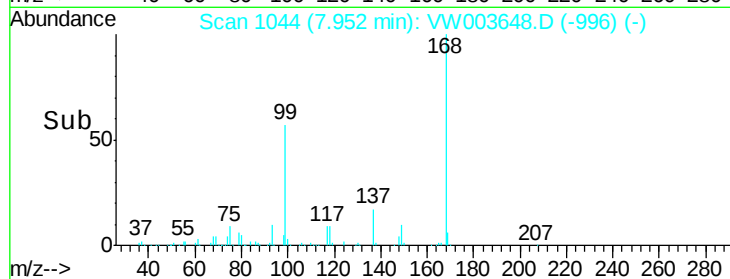
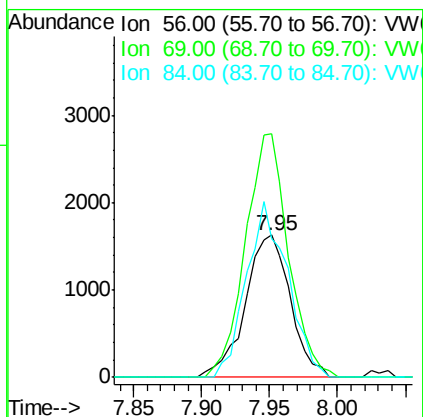
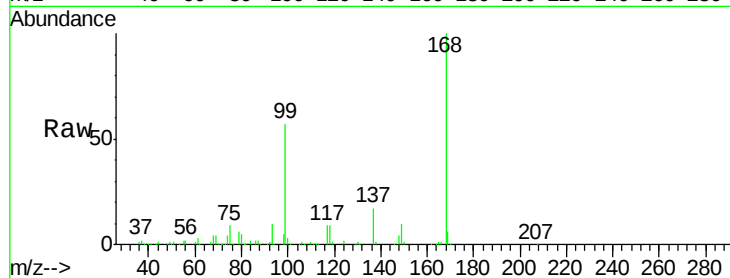




#31
Cyclohexane
Concen: 1.517 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

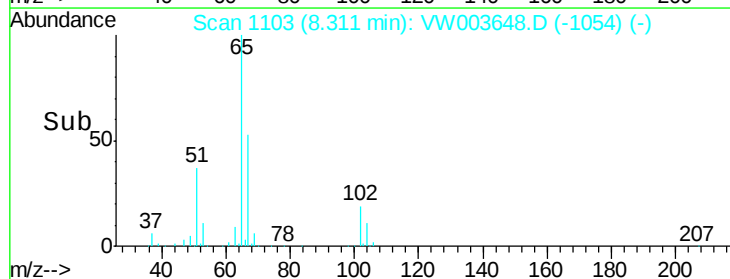
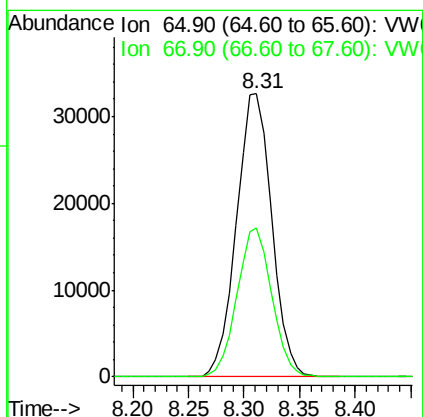
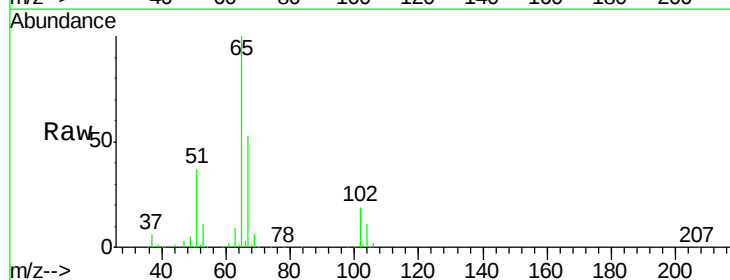
Instrument :
MSVOA_W
ClientSampled :

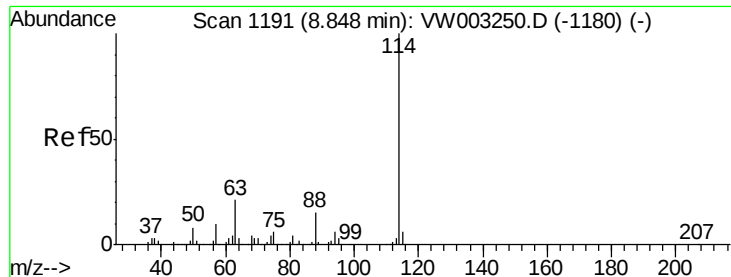
Tot Ion: 56 Resp: 3768
Ion Ratio Lower Upper
56 100
69 171.0 26.3 39.5#
84 97.0 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 46.752 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Tgt Ion: 65 Resp: 71883
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.2

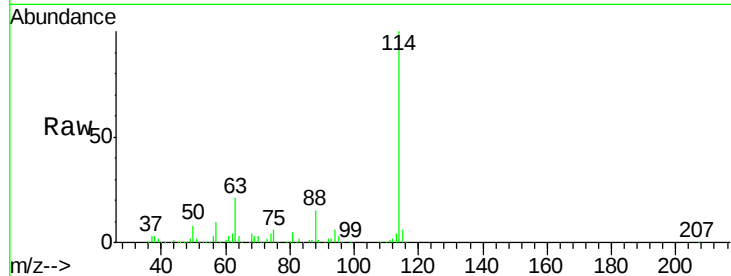




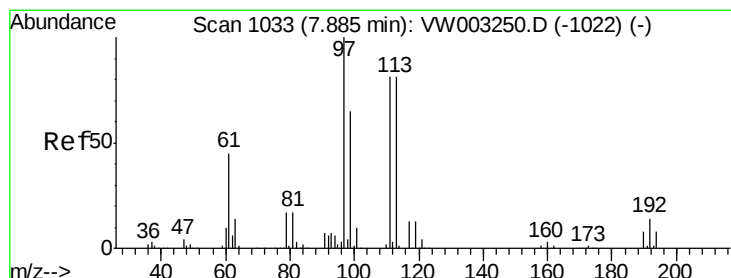
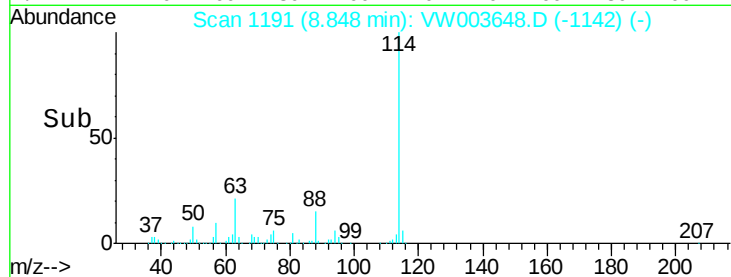
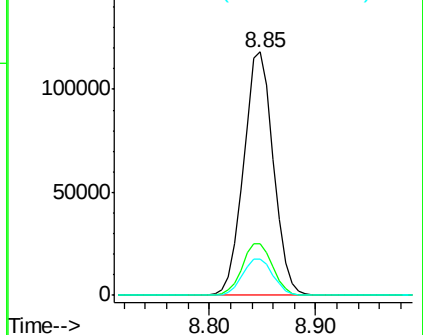
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003648.D
 Acq: 28 Jun 2018 19:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	14.9	0.0	29.6

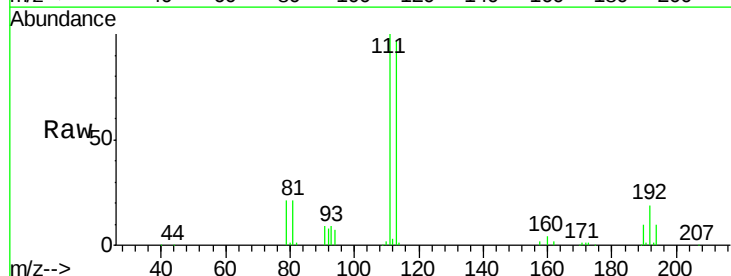


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

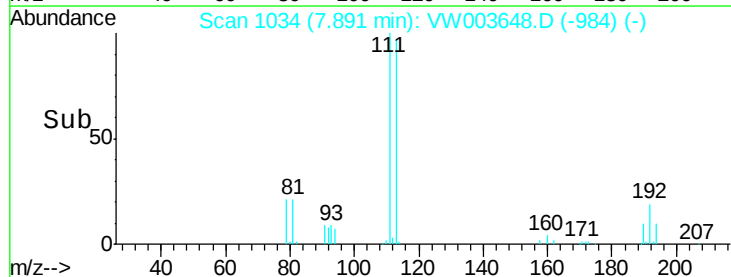
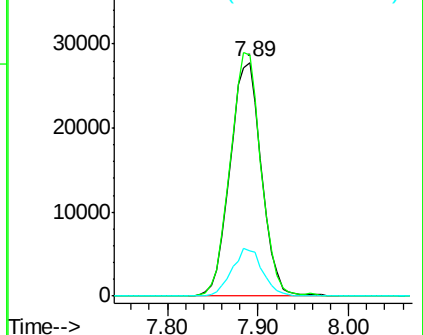


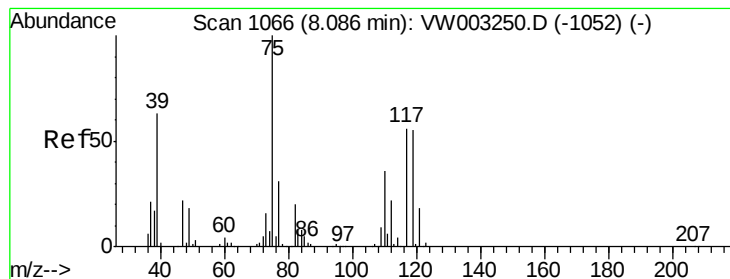
#35
 Dibromofluoromethane
 Concen: 46.467 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003648.D
 Acq: 28 Jun 2018 19:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	19.7	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: 5.373 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003648.D

Acq: 28 Jun 2018 19:25

Instrument :

MSVOA_W

ClientSampled :

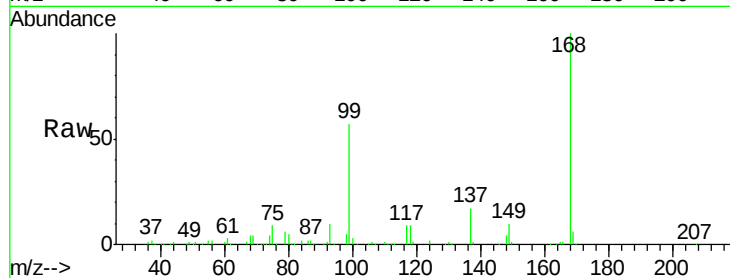
Tot Ion: 75 Resp: 12028

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.3#

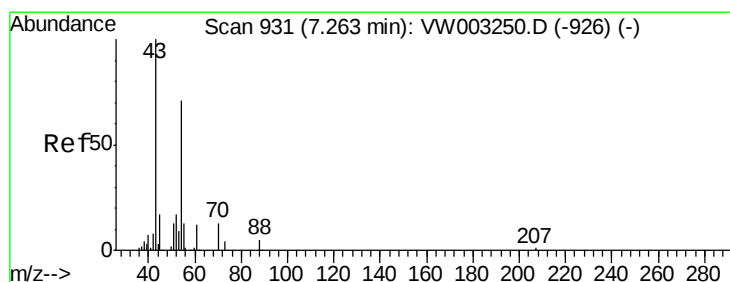
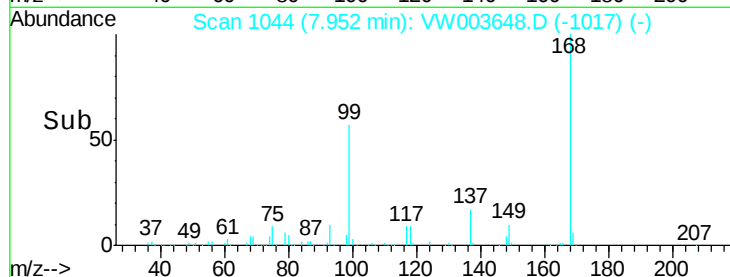
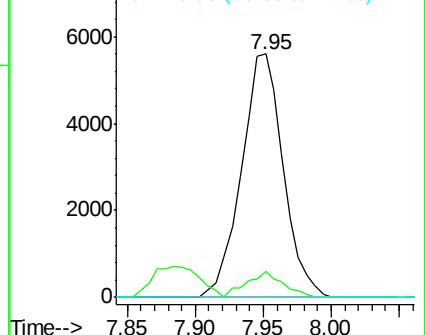
77 0.0 24.9 37.3#



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: 4.555 ug/l

RT: 7.20 min Scan# 921

Delta R.T. -0.06 min

Lab File: VW003648.D

Acq: 28 Jun 2018 19:25

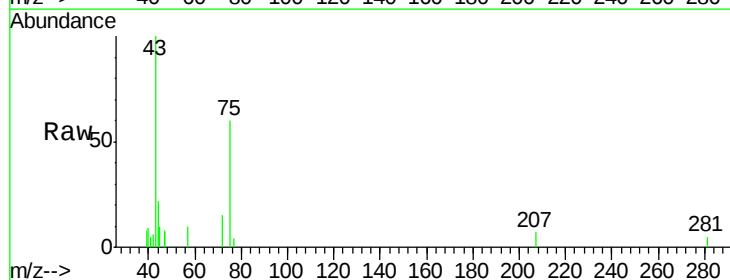
Tgt Ion: 43 Resp: 4224

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

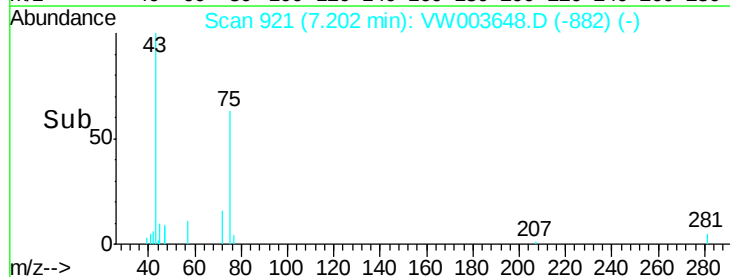
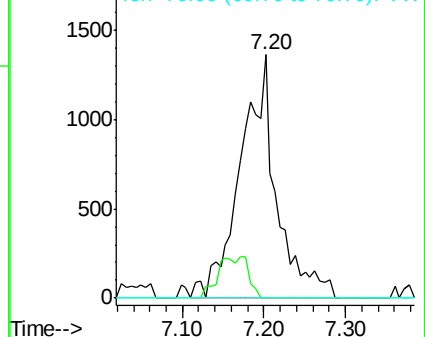
70 0.0 7.8 11.6#

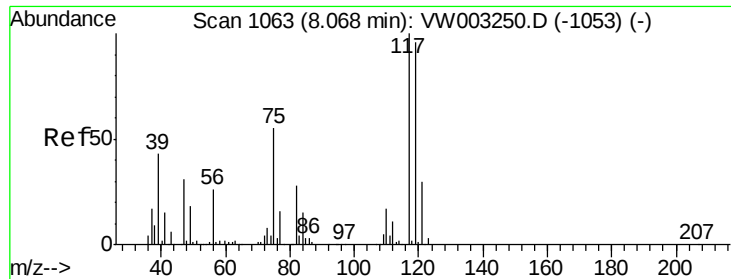


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

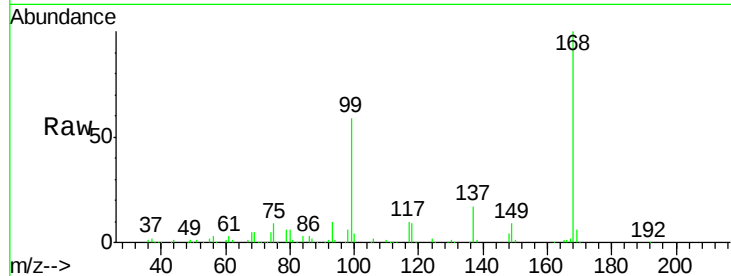




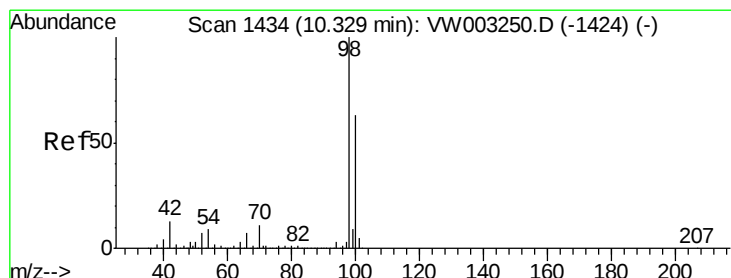
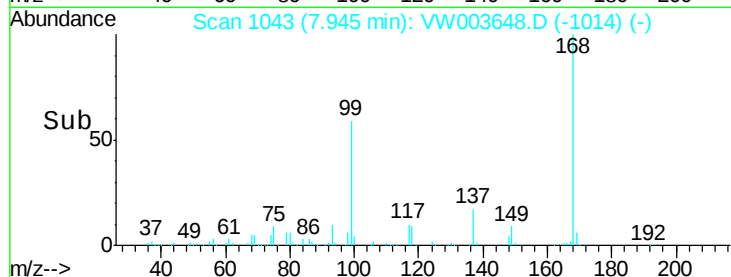
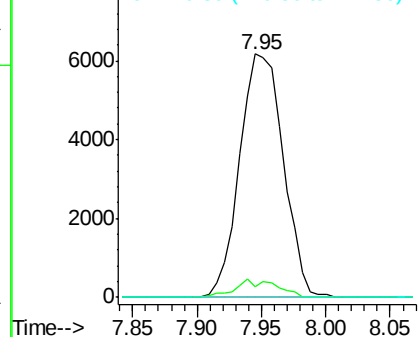
#38
Carbon Tetrachloride
Concen: 6.599 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 14489
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 23.9 35.9#

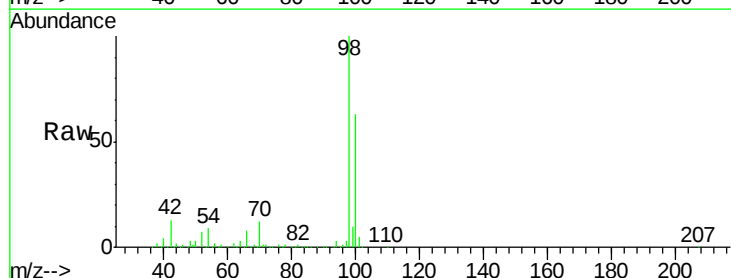


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

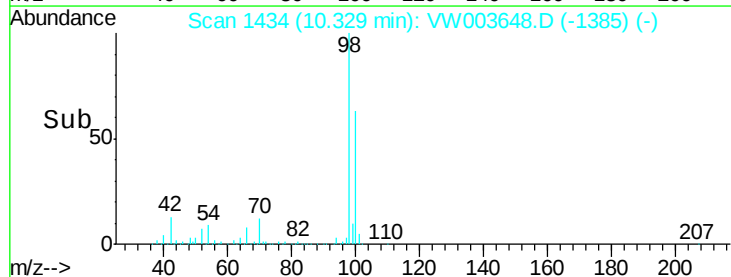
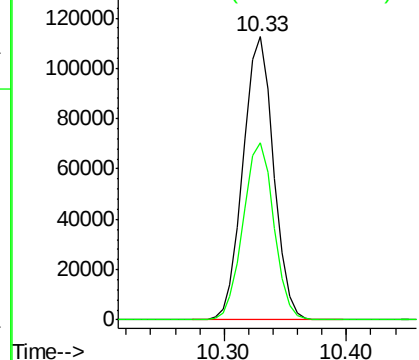


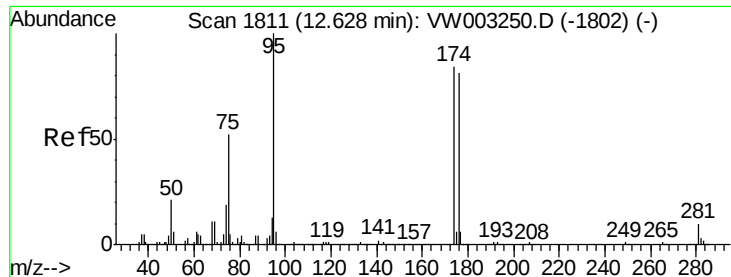
#50
Toluene-d8
Concen: 34.119 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Tgt Ion: 98 Resp: 194851
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

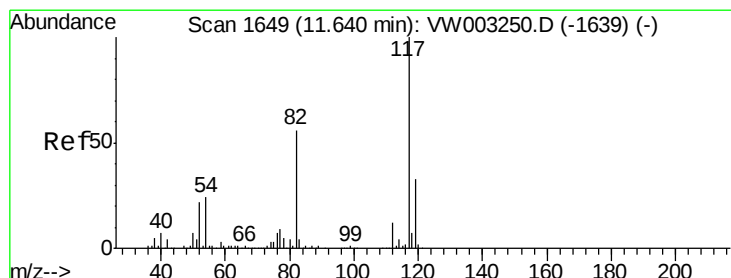
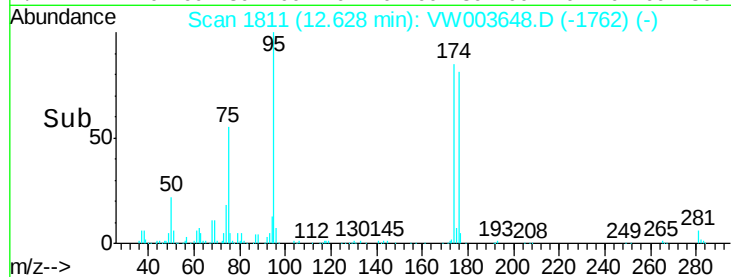
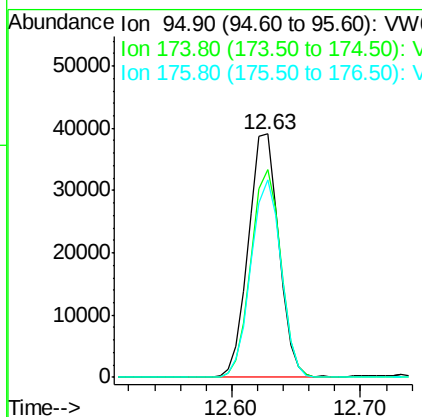
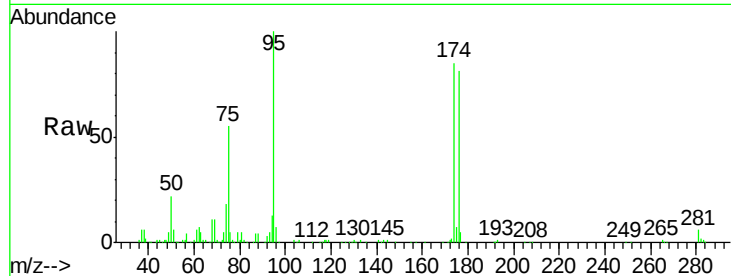




#62
4-Bromofluorobenzene
Concen: 31.546 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

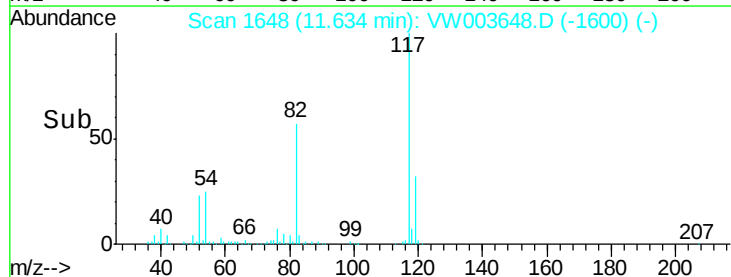
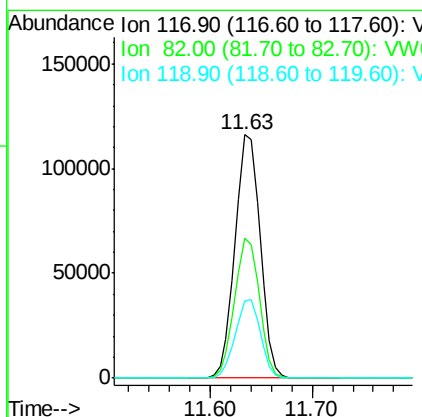
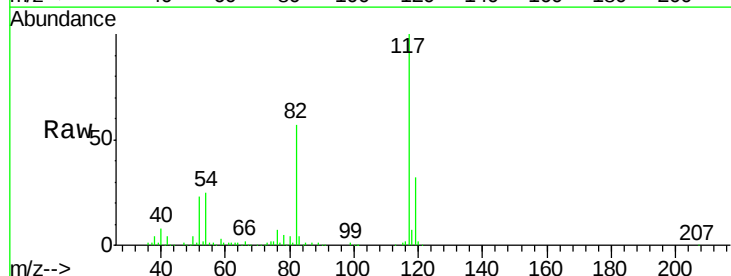
Instrument :
MSVOA_W
ClientSampleId :

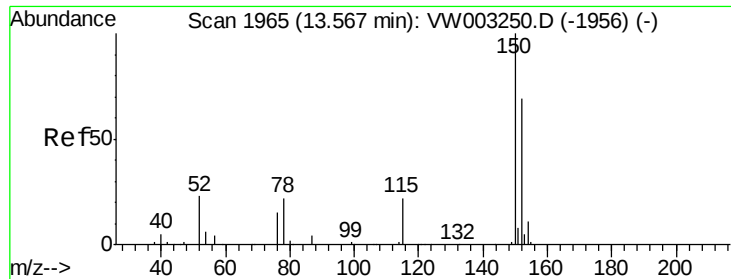
Tot Ion: 95 Resp: 63756
Ion Ratio Lower Upper
95 100
174 83.8 0.0 166.4
176 80.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Tgt Ion: 117 Resp: 197637
Ion Ratio Lower Upper
117 100
82 57.4 44.6 67.0
119 31.9 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: VW003648.D

Acq: 28 Jun 2018 19:25

Instrument :

MSVOA_W

ClientSampleId :

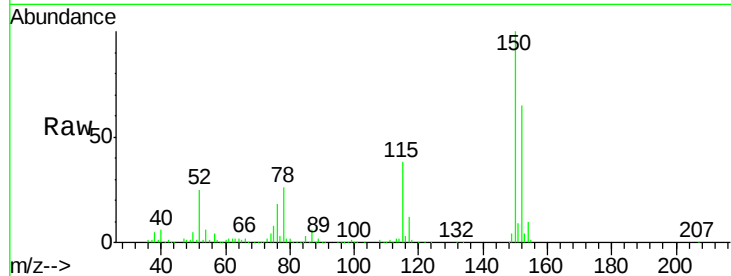
Tot Ion:152 Resp: 79587

Ion Ratio Lower Upper

152 100

115 59.2 29.3 88.0

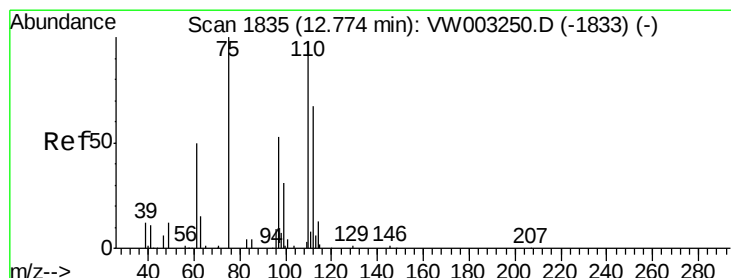
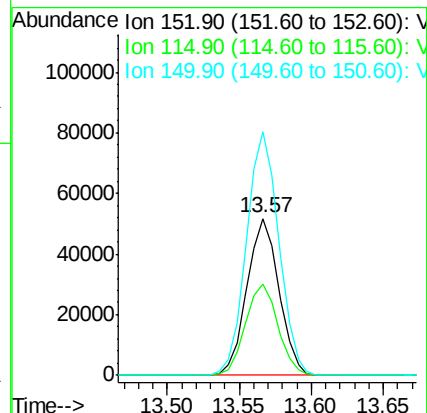
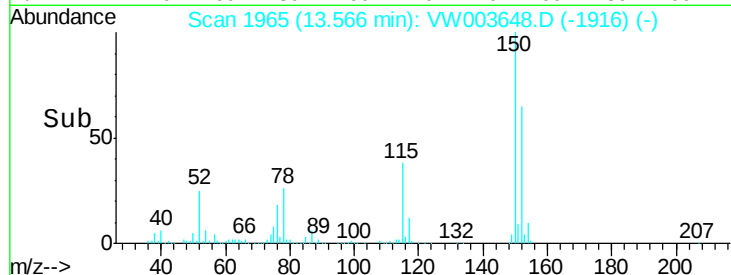
150 156.8 0.0 349.6



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: 51.009 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003648.D

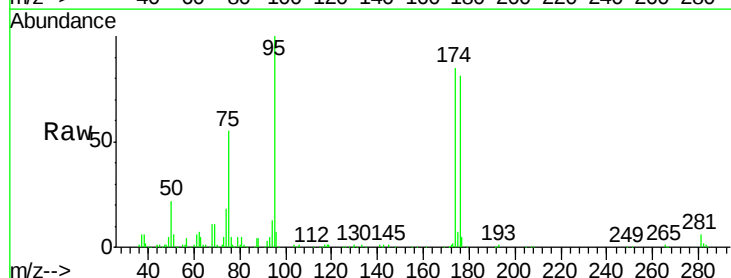
Acq: 28 Jun 2018 19:25

Tgt Ion: 75 Resp: 34705

Ion Ratio Lower Upper

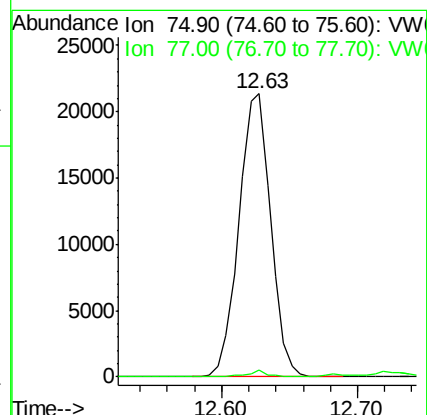
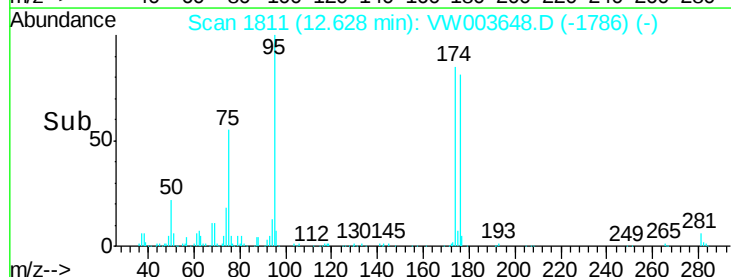
75 100

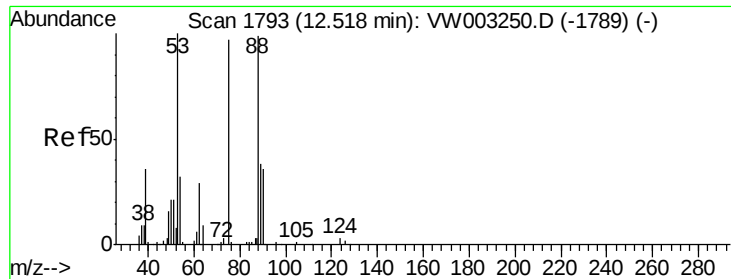
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

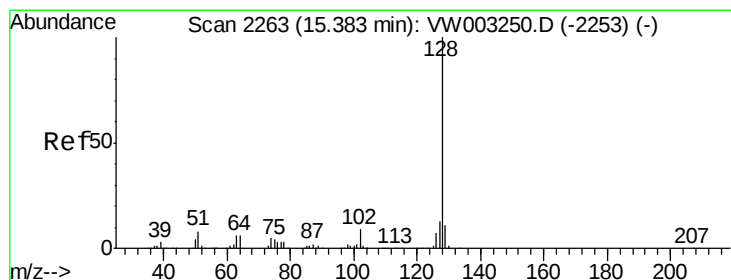
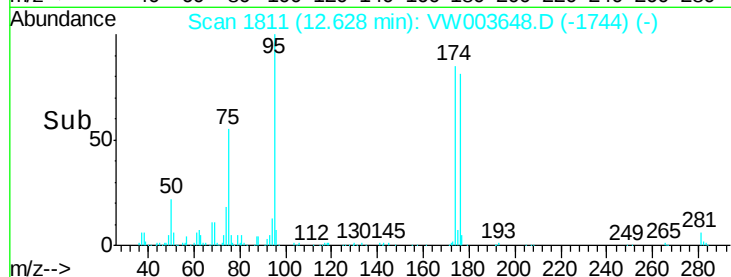
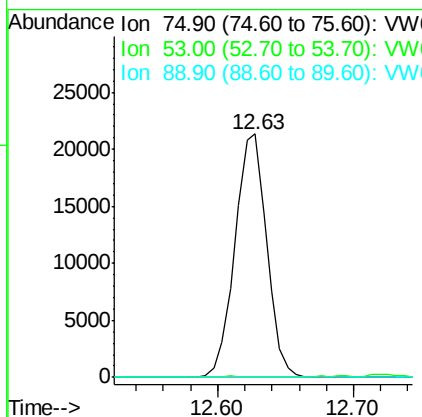
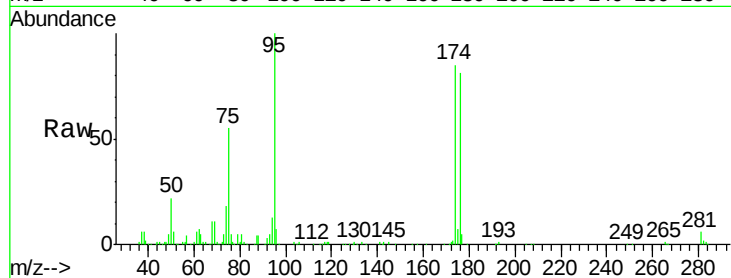




#81
trans-1,4-Dichloro-2-butene
Concen: 117.373 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.11 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 34705
Ion Ratio Lower Upper
75 100
53 0.4 82.9 124.3#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 1.919 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003648.D
Acq: 28 Jun 2018 19:25

Tgt Ion:128 Resp: 5300
Ion Ratio Lower Upper
128 100
127 17.1 10.5 15.7#
129 12.0 8.9 13.3

