

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005554.D
 Acq On : 21 Sep 2018 12:40
 Operator : VA/AP
 Sample : J5002-01
 Misc : 11.30G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:52:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	103572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	96005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	45296	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	41642	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.89	113	29837	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	10.33	98	103355	38.97	ug/l	0.00
Spiked Amount			Recovery	=	77.94%	
62) 4-Bromofluorobenzene	12.62	95	35641	36.32	ug/l	0.00
Spiked Amount			Recovery	=	72.64%	

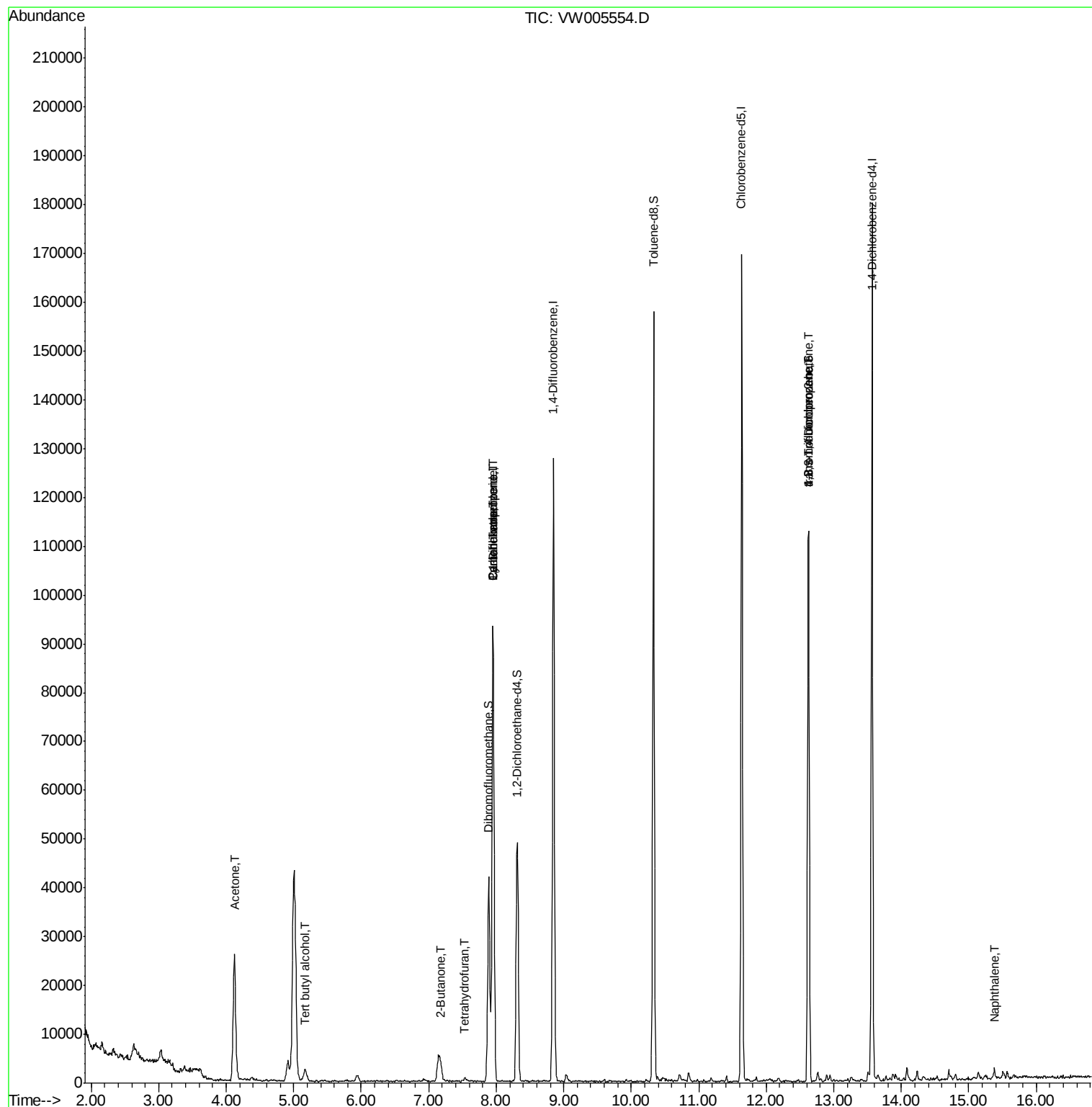
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.04	85	29	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	3807	90.150	ug/l #	82
16) Acetone	4.12	43	44481	355.752	ug/l	100
20) Methylene Chloride	4.92	84	2599	Below Cal	#	85
25) 2-Butanone	7.18	43	4600	23.546	ug/l	95
29) Tetrahydrofuran	7.54	42	218	1.786	ug/l #	43
31) Cyclohexane	7.96	56	1651	1.324	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	5289	5.073	ug/l #	53
38) Carbon Tetrachloride	7.95	117	6816	6.101	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	18510	47.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	18510	107.972	ug/l #	7
95) Naphthalene	15.38	128	1785	1.119	ug/l #	90

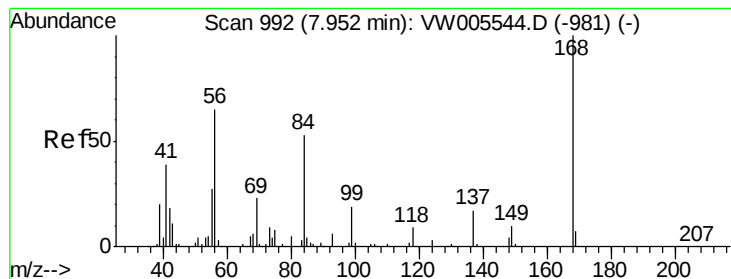
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :

MSVOA_W

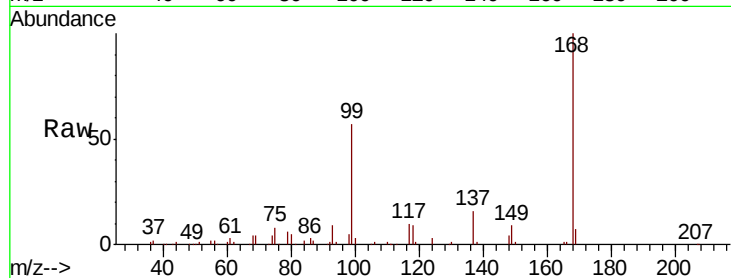
ClientSampleId :

Tot Ion:168 Resp: 68278

Ion Ratio Lower Upper

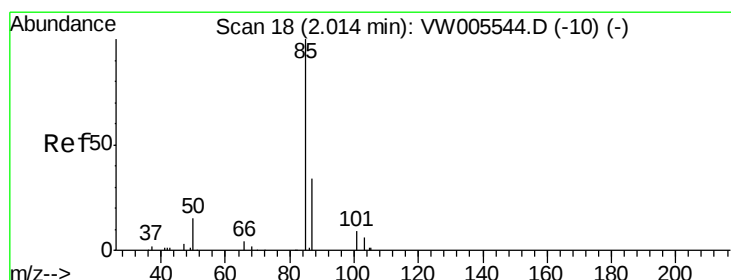
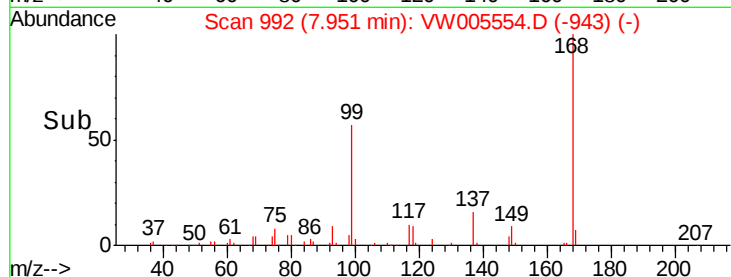
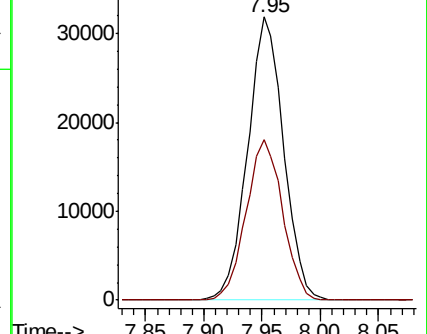
168 100

99 56.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.04 min Scan# 22

Delta R.T. 0.02 min

Lab File: VW005554.D

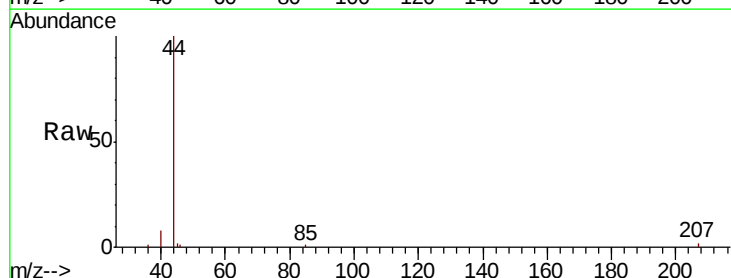
Acq: 21 Sep 2018 12:40

Tgt Ion: 85 Resp: 29

Ion Ratio Lower Upper

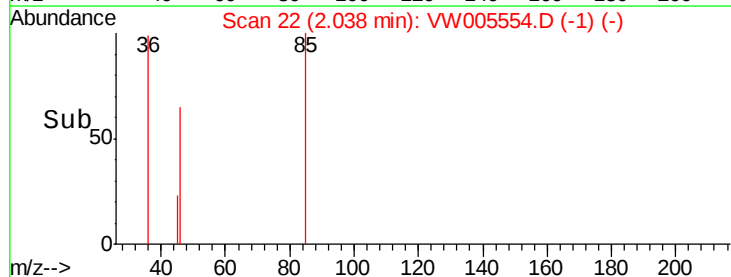
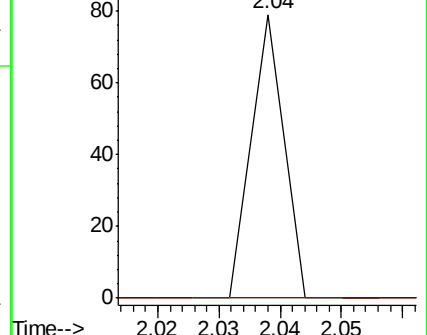
85 100

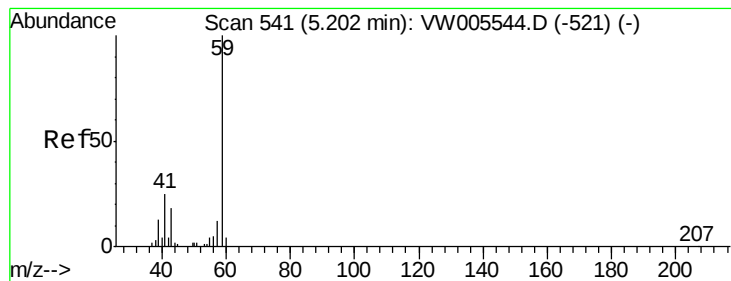
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#11

Tert butyl alcohol

Concen: 90.150 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.03 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :

MSVOA_W

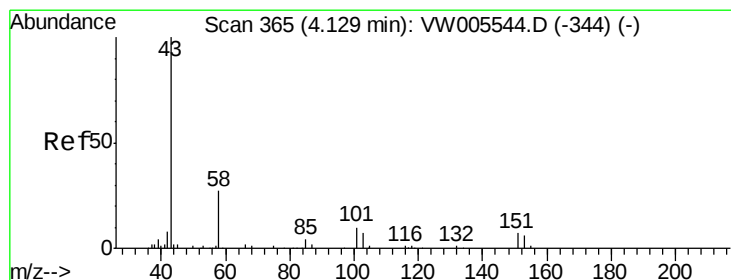
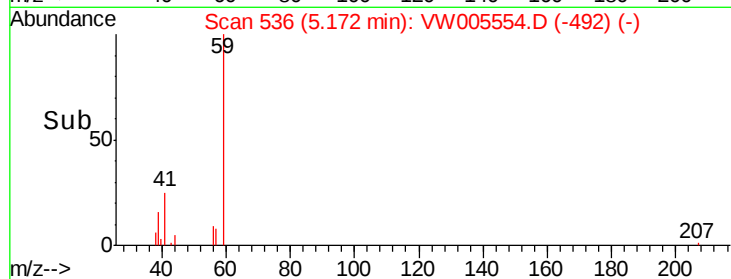
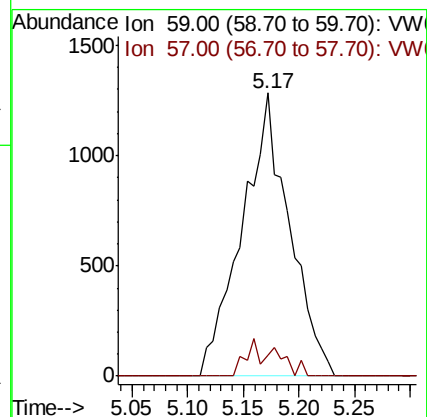
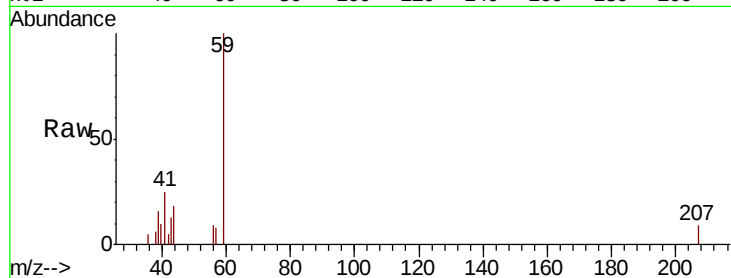
ClientSampled :

Tot Ion: 59 Resp: 3807

Ion Ratio Lower Upper

59 100

57 3.7 8.3 12.5#



#16

Acetone

Concen: 355.752 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005554.D

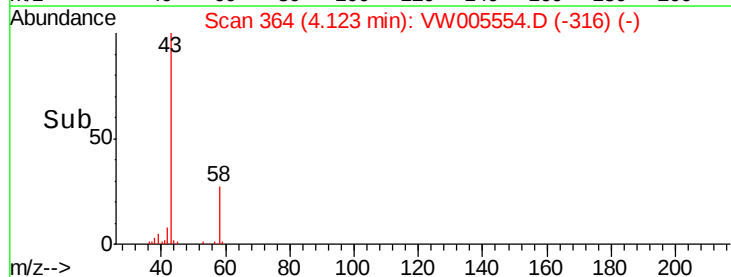
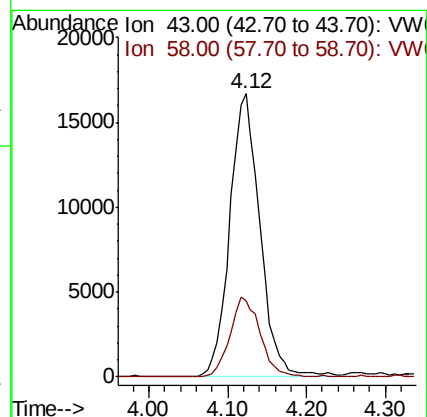
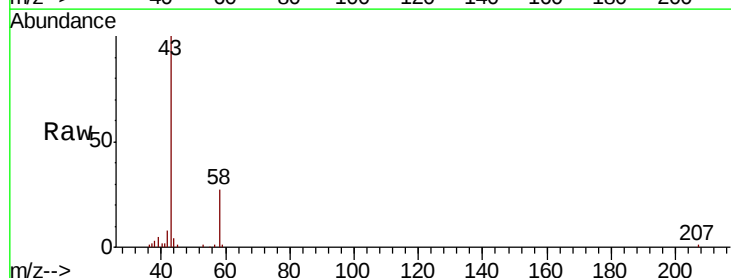
Acq: 21 Sep 2018 12:40

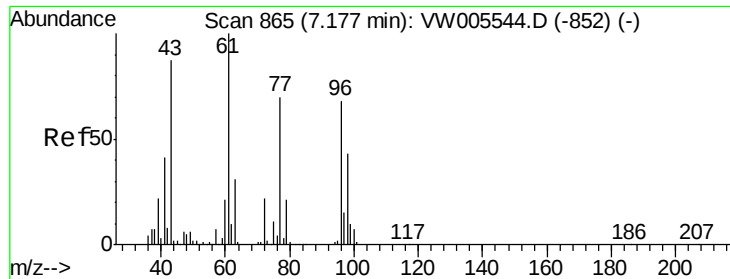
Tgt Ion: 43 Resp: 44481

Ion Ratio Lower Upper

43 100

58 27.0 21.8 32.8





#25

2-Butanone

Concen: 23.546 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

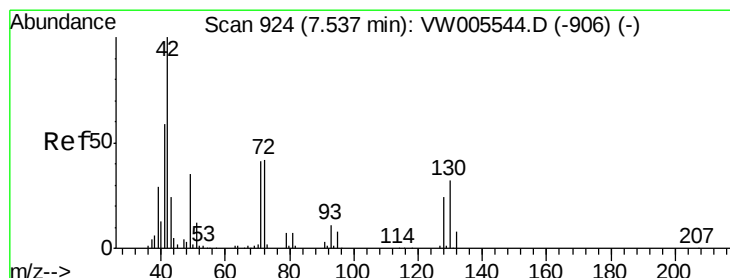
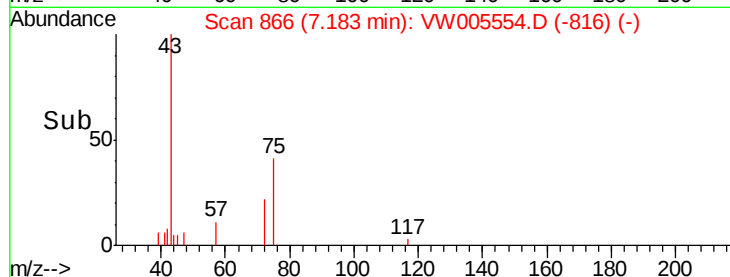
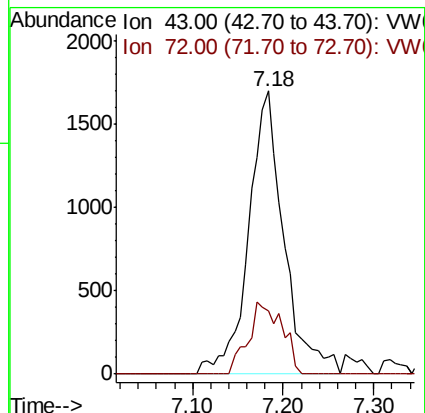
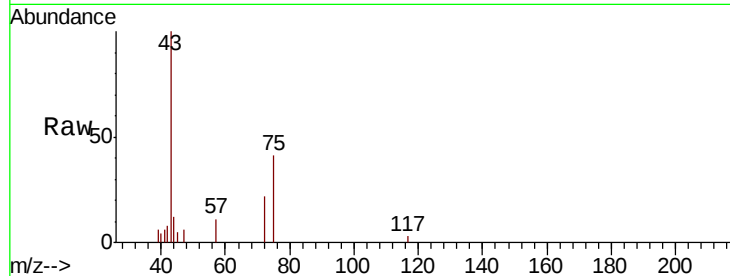
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 4600

Ion Ratio Lower Upper

43 100

72 22.2 19.9 29.9



#29

Tetrahydrofuran

Concen: 1.786 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

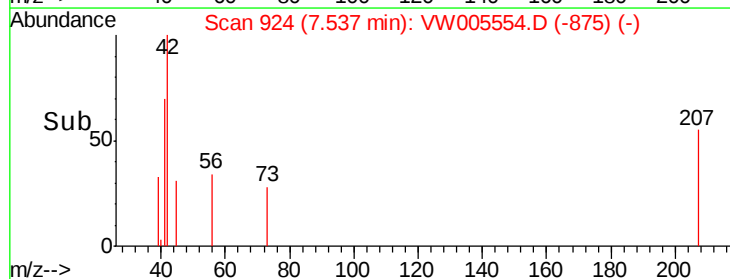
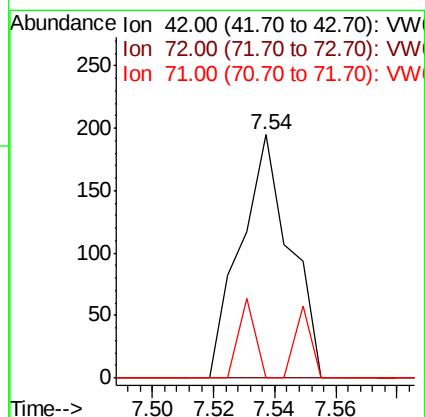
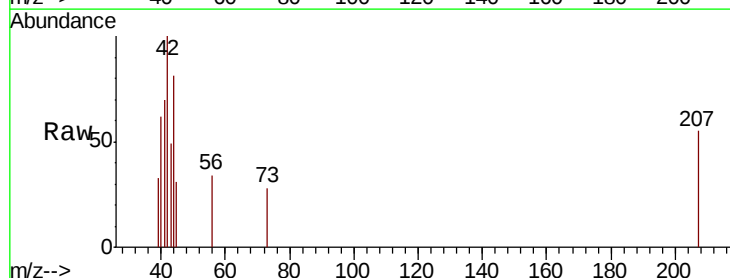
Tgt Ion: 42 Resp: 218

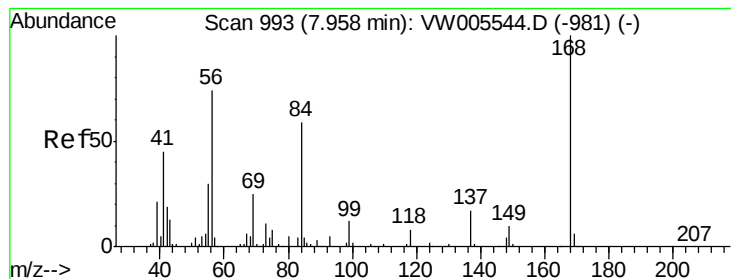
Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 10.6 31.8 47.6#





#31

Cyclohexane

Concen: 1.324 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :
MSVOA_W
ClientSampled :

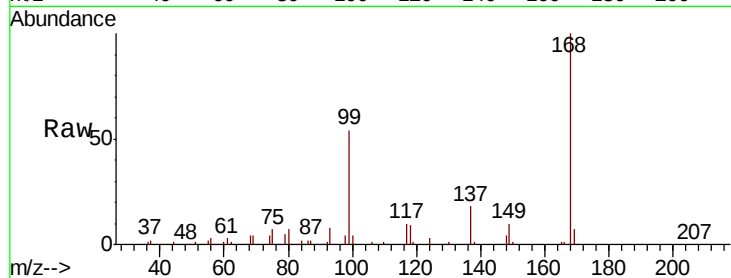
Tot Ion: 56 Resp: 1651

Ion Ratio Lower Upper

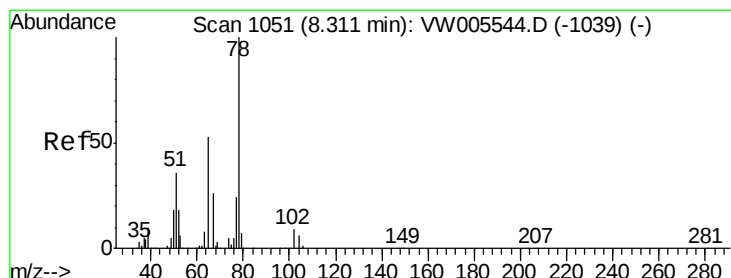
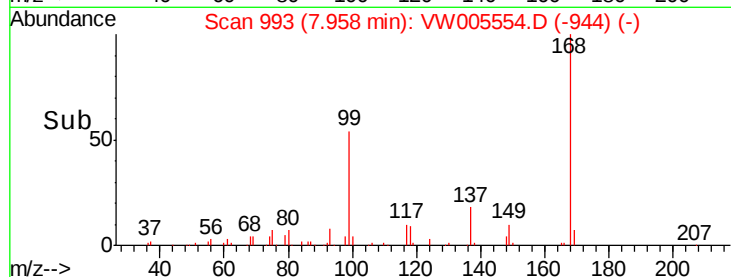
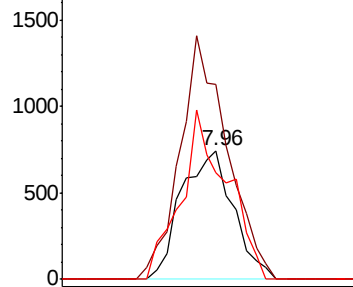
56 100

69 151.5 27.0 40.4#

84 82.7 64.2 96.4



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: 51.770 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005554.D

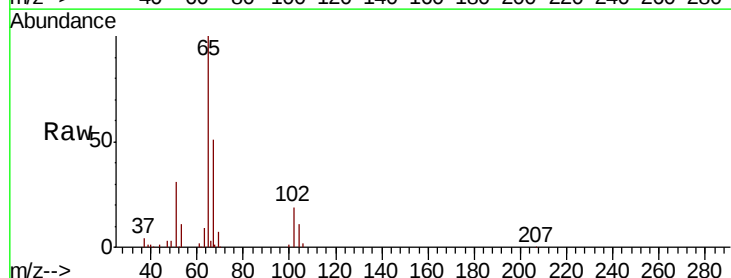
Acq: 21 Sep 2018 12:40

Tgt Ion: 65 Resp: 41642

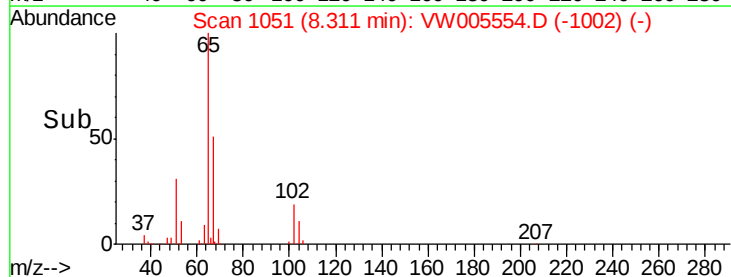
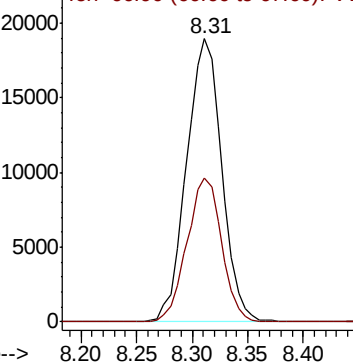
Ion Ratio Lower Upper

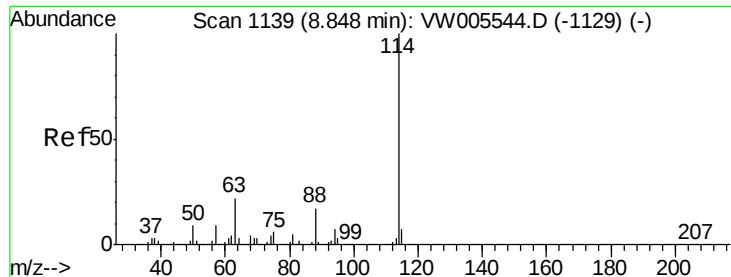
65 100

67 50.1 0.0 100.6



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

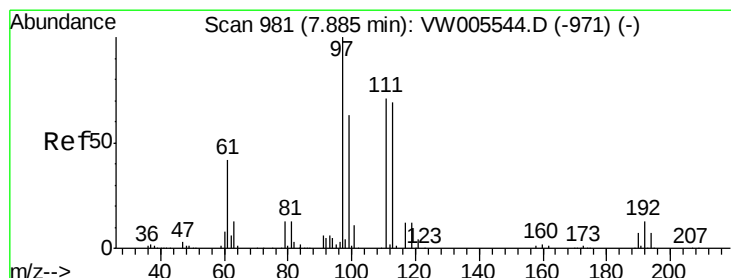
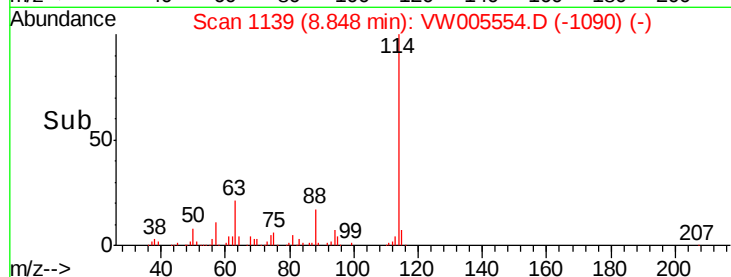
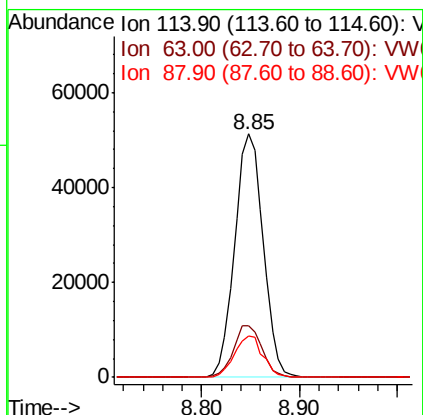
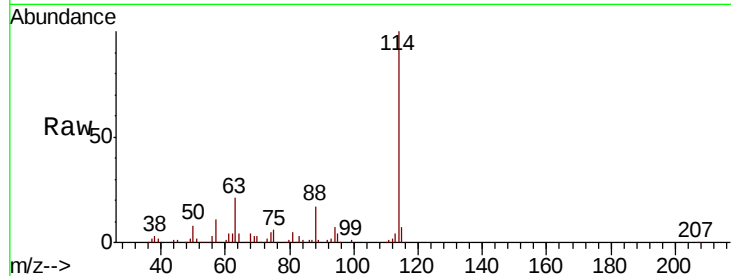




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005554.D
 Acq: 21 Sep 2018 12:40

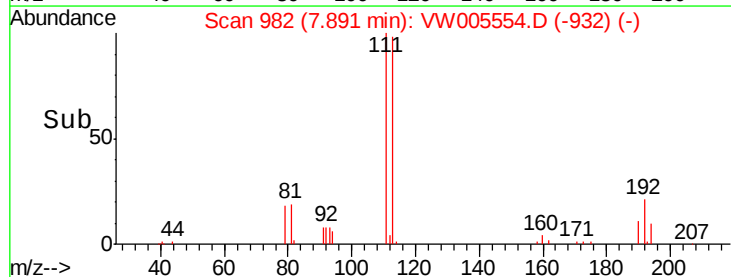
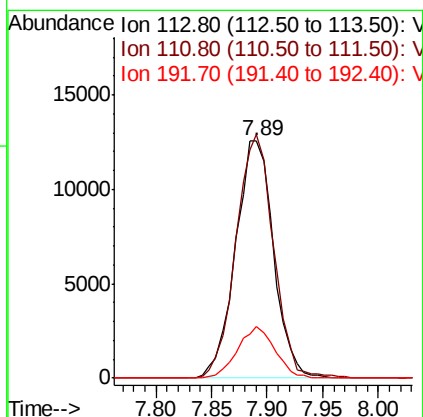
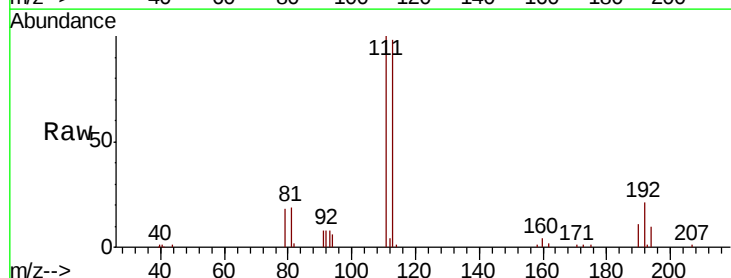
Instrument :
 MSVOA_W
 ClientSampleId :

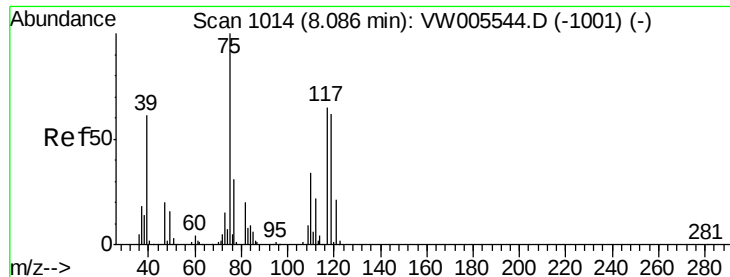
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.0
88	16.8	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 45.810 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005554.D
 Acq: 21 Sep 2018 12:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	21.4	17.0	25.4





#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

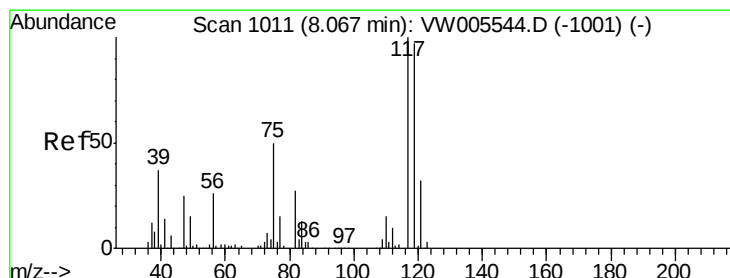
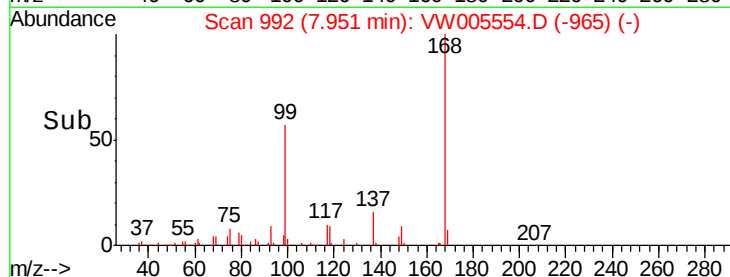
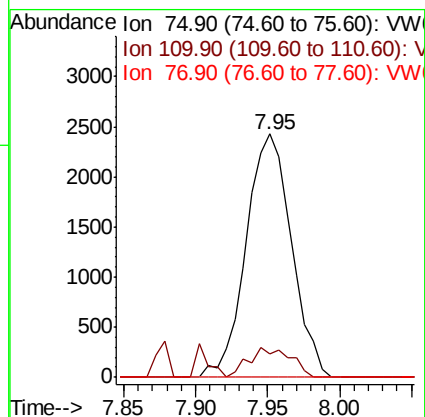
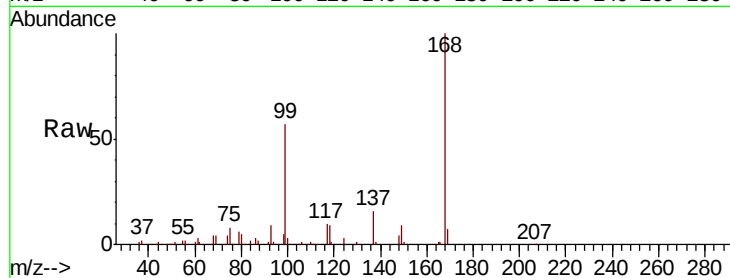
Tot Ion: 75 Resp: 5289

Ion Ratio Lower Upper

75 100

110 11.4 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.101 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

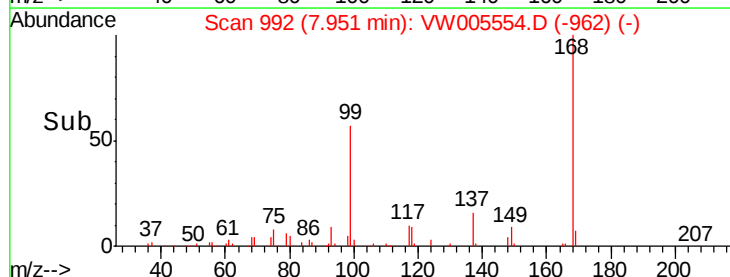
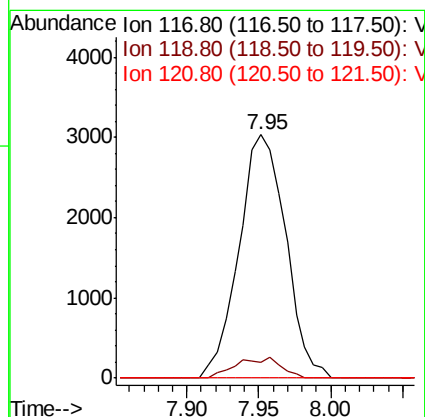
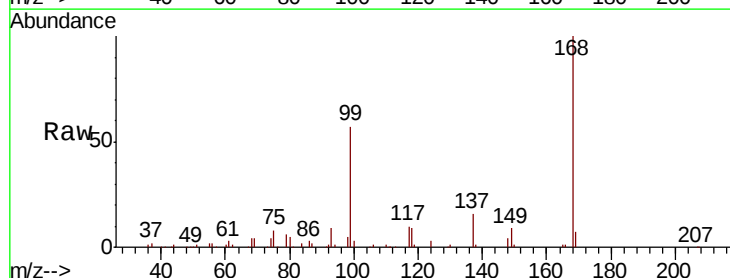
Tgt Ion: 117 Resp: 6816

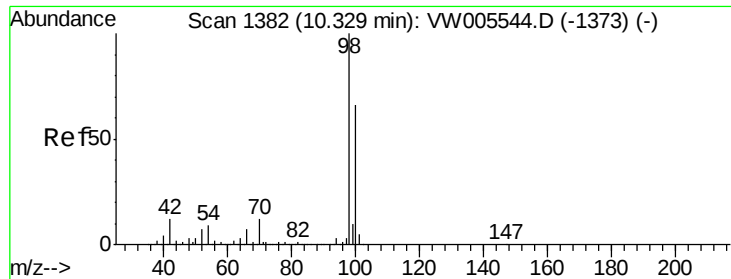
Ion Ratio Lower Upper

117 100

119 6.5 77.6 116.4#

121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 38.972 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :

MSVOA_W

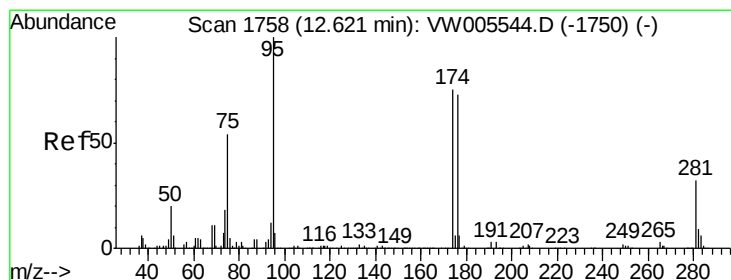
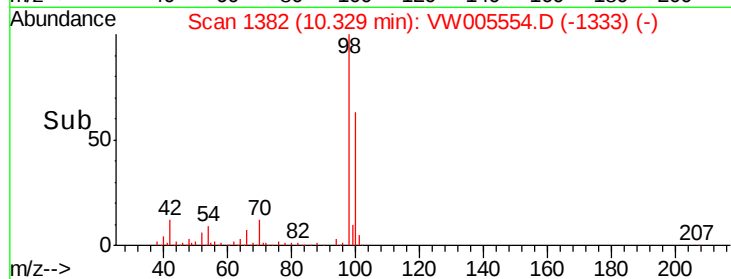
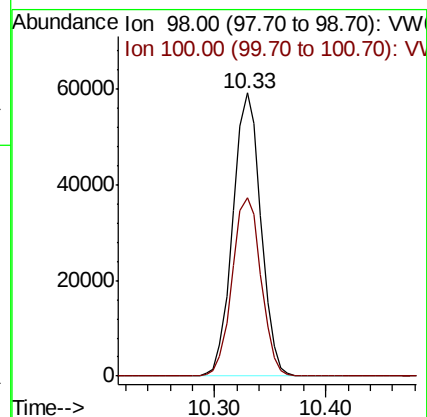
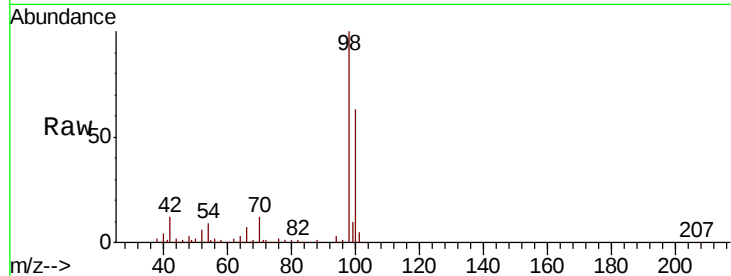
ClientSampleId :

Tot Ion: 98 Resp: 103355

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 36.319 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

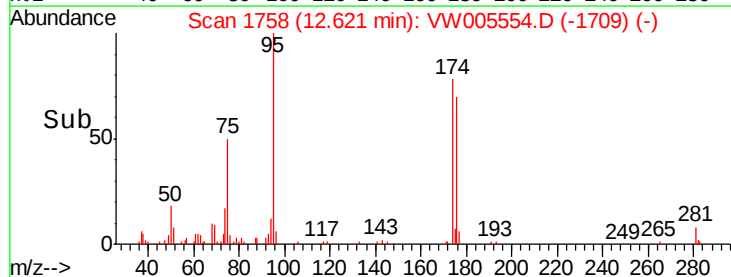
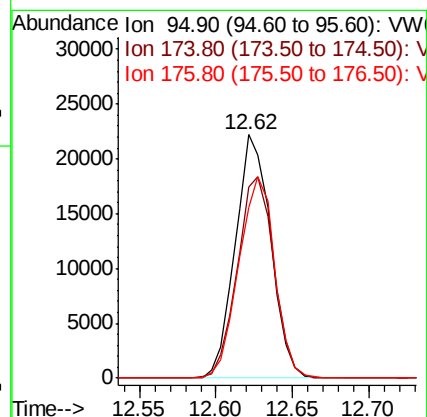
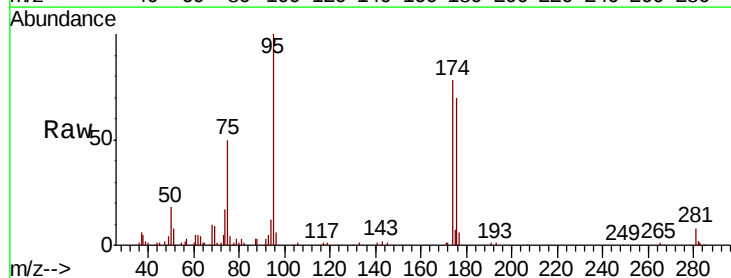
Tgt Ion: 95 Resp: 35641

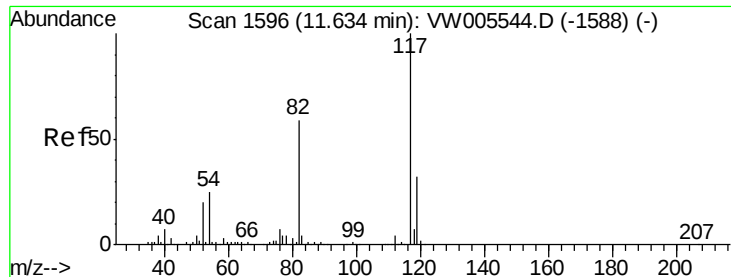
Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.8

176 83.8 0.0 158.0

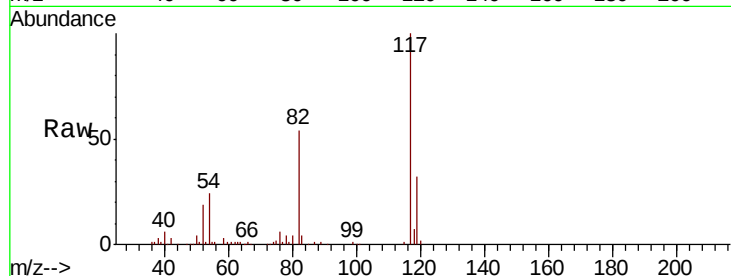




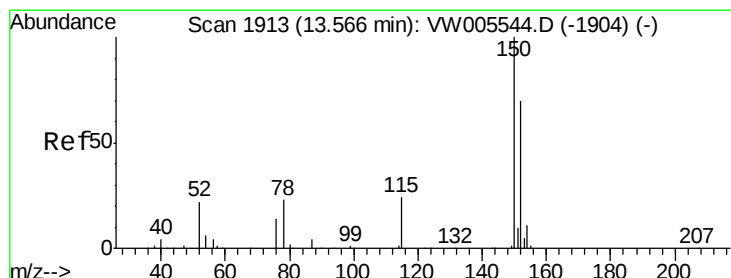
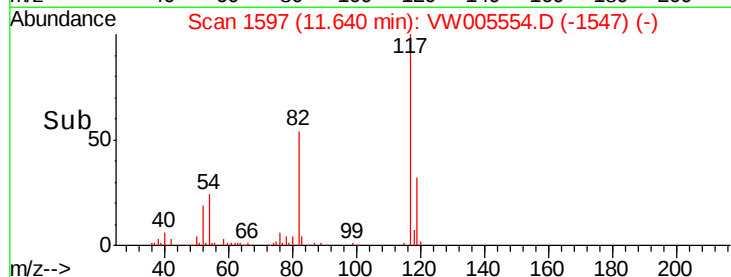
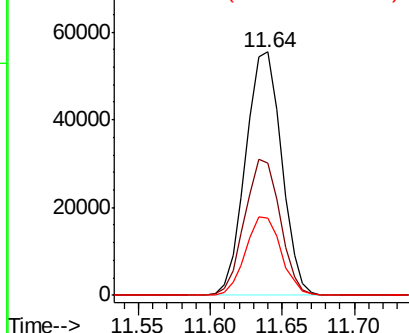
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005544.D
Acq: 21 Sep 2018 12:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	46.9	70.3
119	31.9	25.7	38.5

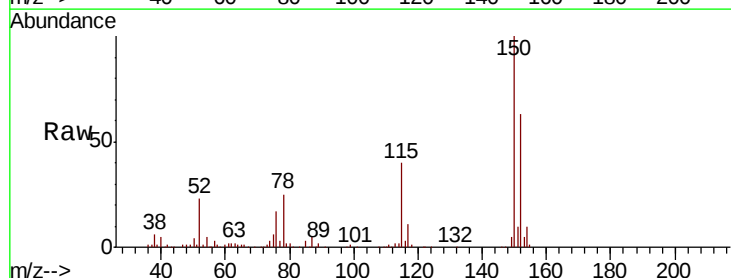


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

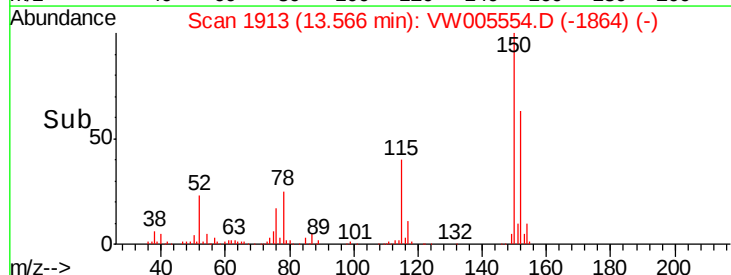
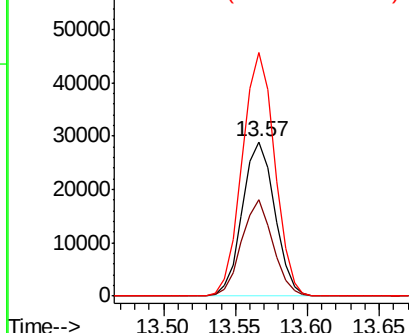


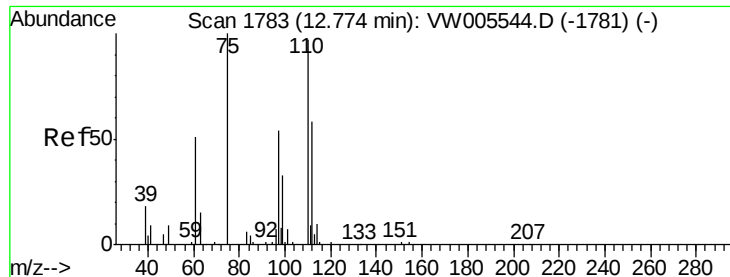
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005544.D
Acq: 21 Sep 2018 12:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.0	90.0
150	158.0	0.0	348.6



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: 47.939 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :

MSVOA_W

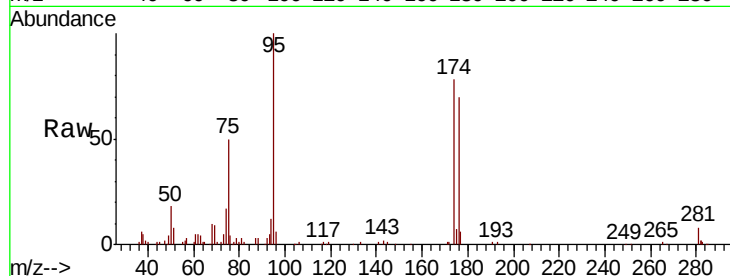
ClientSampleId :

Tot Ion: 75 Resp: 18510

Ion Ratio Lower Upper

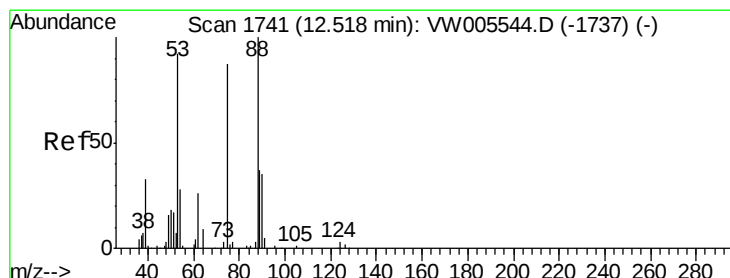
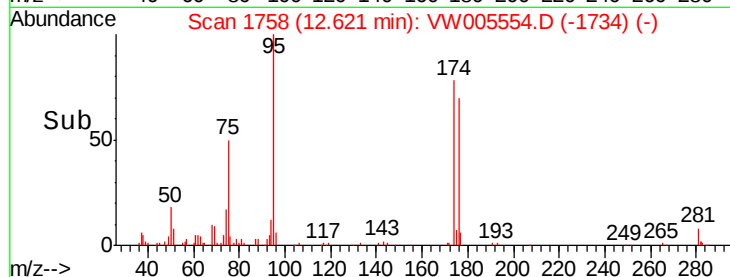
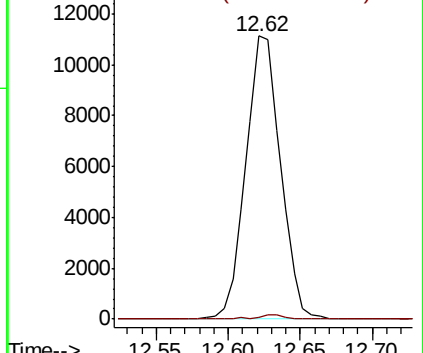
75 100

77 1.1 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: 107.972 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

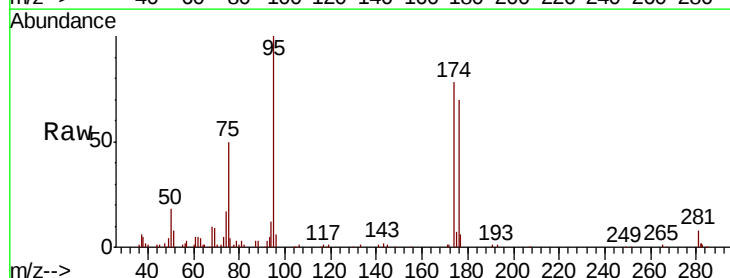
Tgt Ion: 75 Resp: 18510

Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

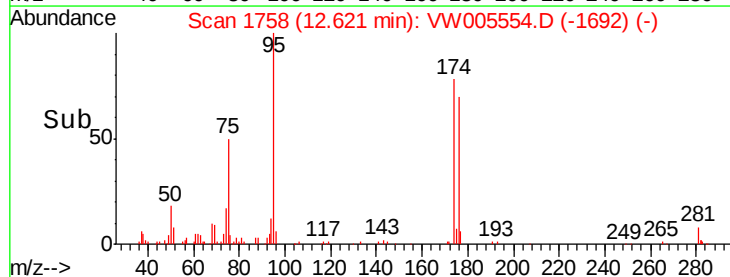
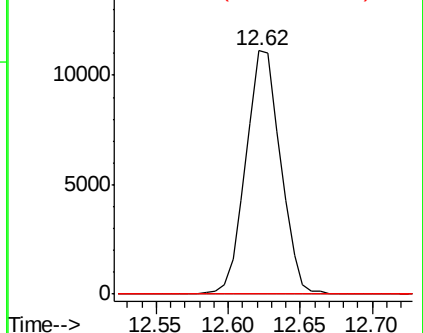
89 0.0 37.3 55.9#

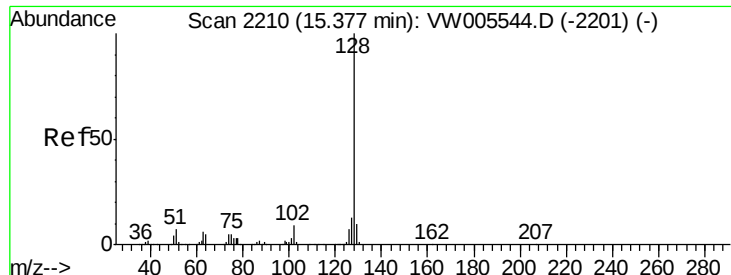


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 1.119 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005554.D

Acq: 21 Sep 2018 12:40

Instrument :

MSVOA_W

ClientSampleId :

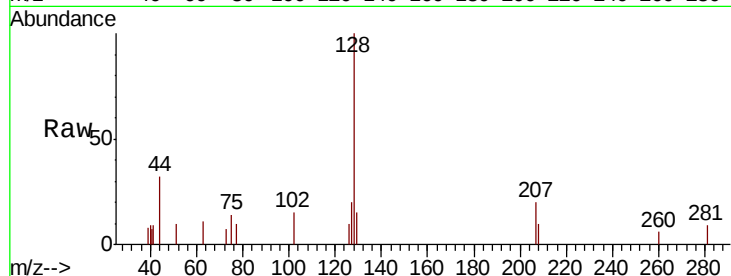
Tot Ion:128 Resp: 1785

Ion Ratio Lower Upper

128 100

127 19.1 10.9 16.3#

129 12.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

