

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013687.D
 Acq On : 24 Oct 2019 00:55
 Operator : SY/VA
 Sample : VW1023SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:30:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	150922	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	106016	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	7.88	113	108519	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.32	98	443246	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	140343	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	

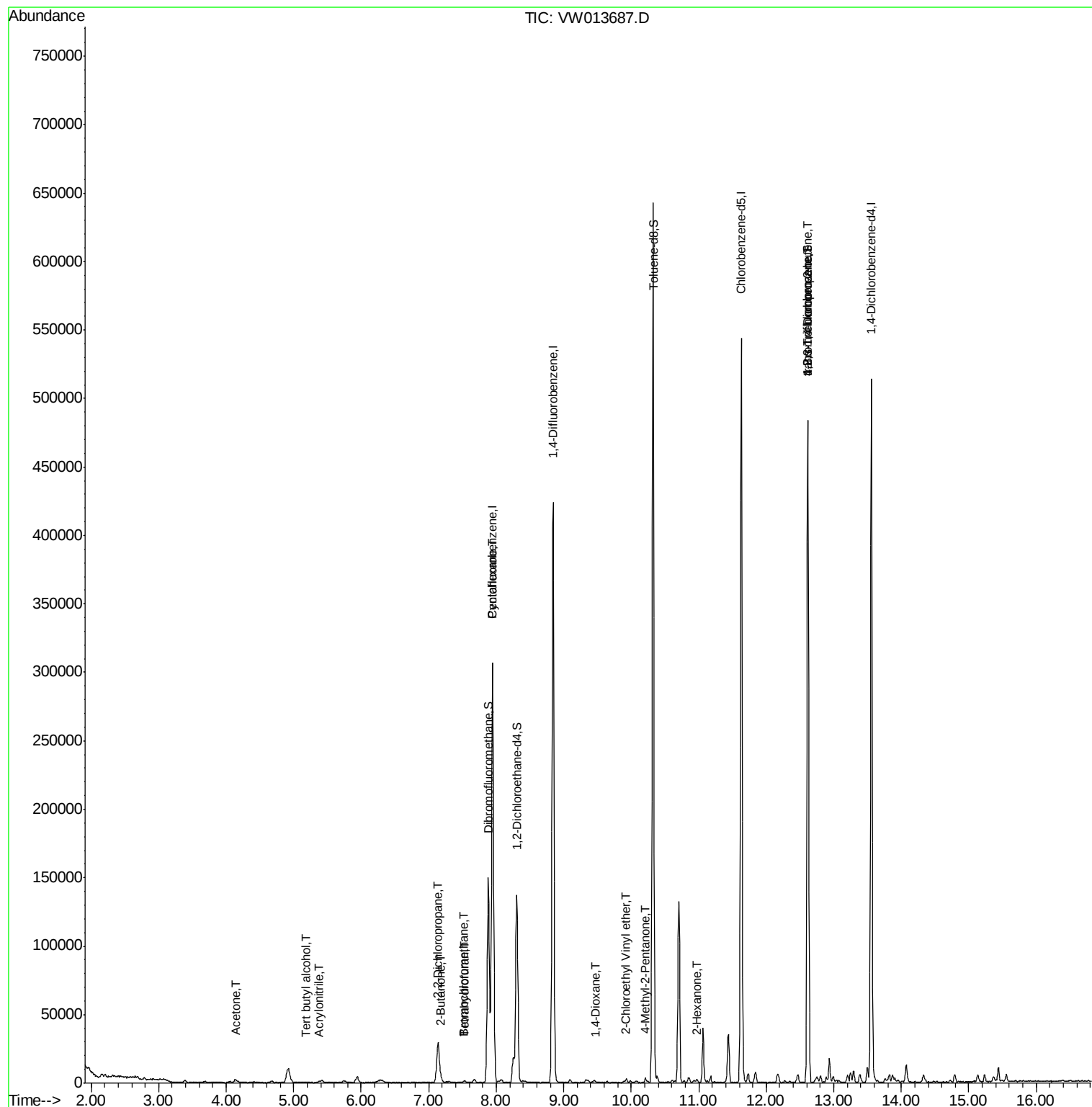
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	468	4.122	ug/l #	71
15) Acrylonitrile	5.38	53	862	1.938	ug/l #	81
16) Acetone	4.14	43	4157	10.307	ug/l #	83
20) Methylene Chloride	4.92	84	9066	Below Cal	#	96
25) 2-Butanone	7.18	43	1022	1.763	ug/l #	85
26) 2,2-Dichloropropane	7.13	77	2945	1.261	ug/l #	49
28) Bromochloromethane	7.51	49	387	1.602	ug/l #	44
29) Tetrahydrofuran	7.54	42	711	1.981	ug/l #	89
31) Cyclohexane	7.94	56	4943	1.169	ug/l #	1
49) 1,4-Dioxane	9.48	88	102	5.857	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	2437	1.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1429	1.413	ug/l	90
59) 2-Hexanone	10.98	43	1777	1.971	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	66952	61.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66952	116.743	ug/l #	14

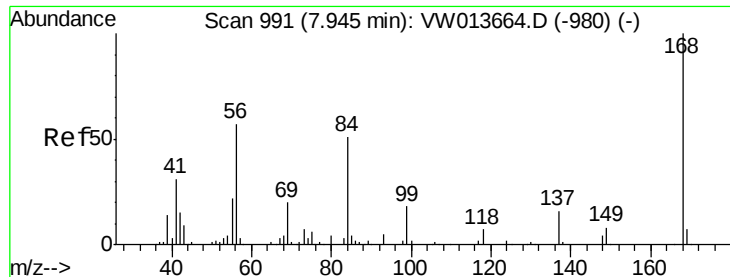
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013687.D
Acq On : 24 Oct 2019 00:55
Operator : SY/VA
Sample : VW1023SBL02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 24 07:30:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

Instrument :

MSVOA_W

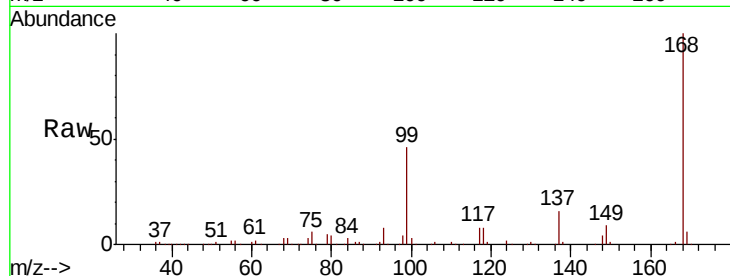
ClientSampleId :

Tot Ion:168 Resp: 253556

Ion Ratio Lower Upper

168 100

99 46.2 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

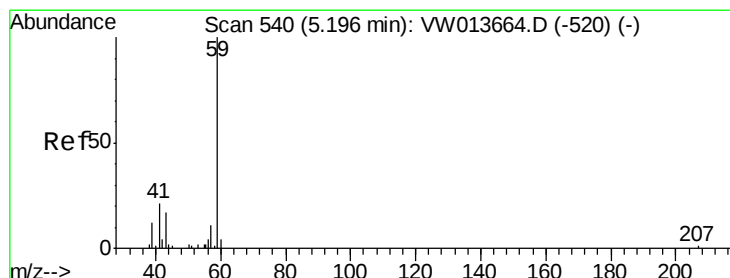
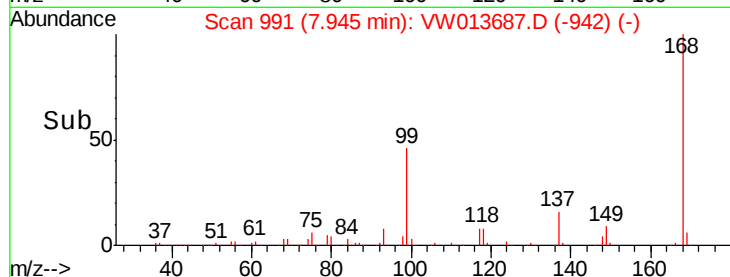
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.122 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.01 min

Lab File: VW013687.D

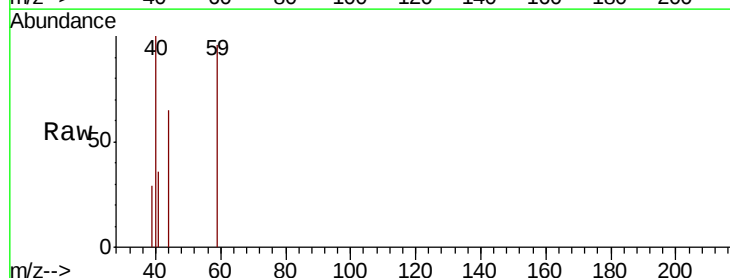
Acq: 24 Oct 2019 00:55

Tgt Ion: 59 Resp: 468

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

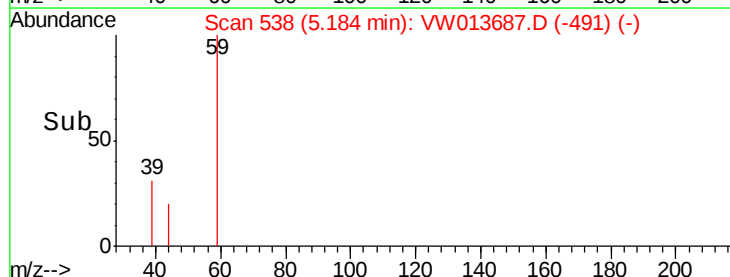
300

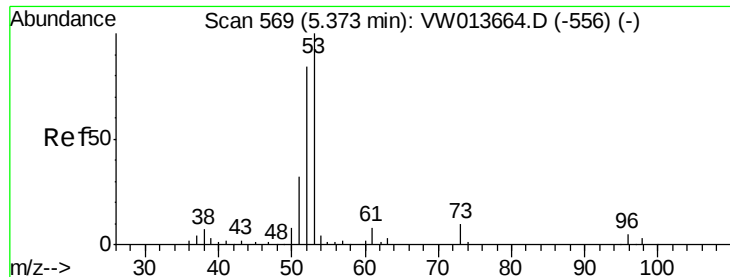
200

100

0

Time--> 5.15 5.20





#15

Acrylonitrile

Concen: 1.938 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

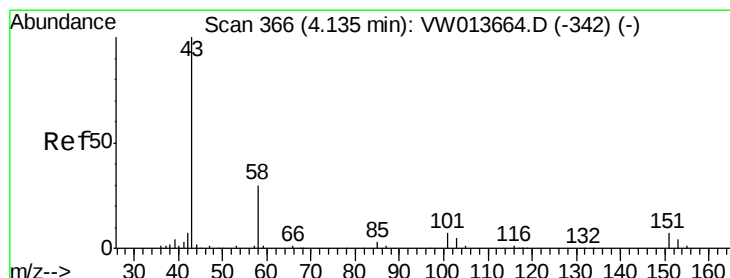
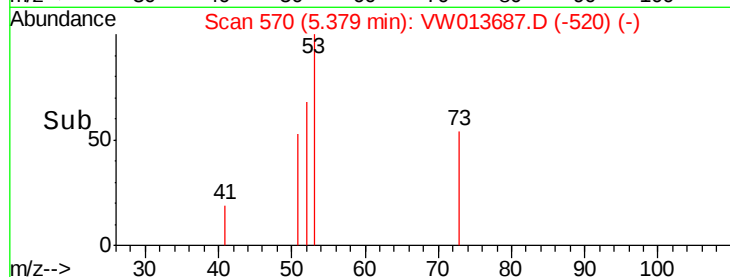
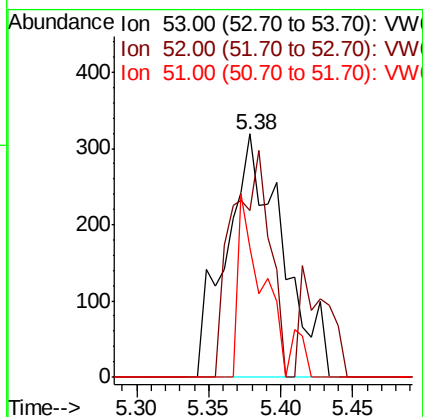
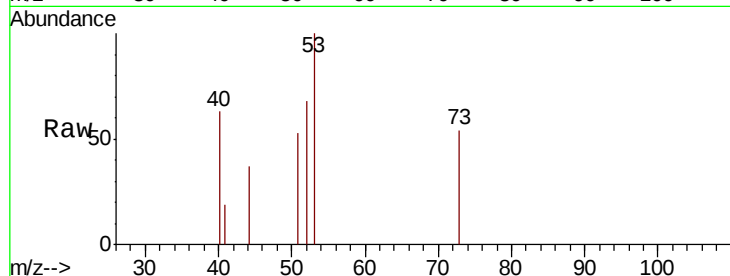
Tot Ion: 53 Resp: 862

Ion Ratio Lower Upper

53 100

52 62.4 67.4 101.0#

51 31.8 29.1 43.7



#16

Acetone

Concen: 10.307 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013687.D

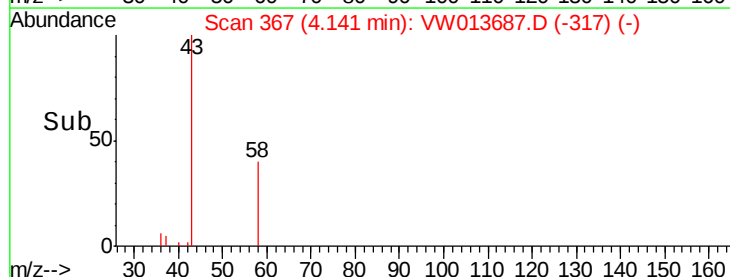
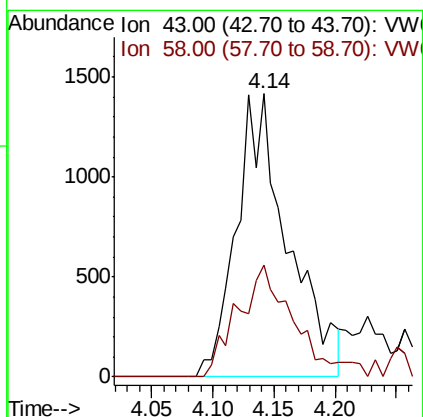
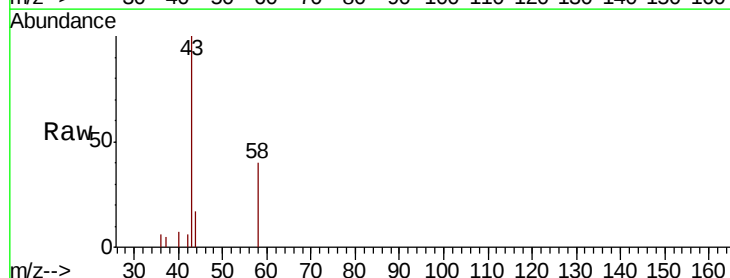
Acq: 24 Oct 2019 00:55

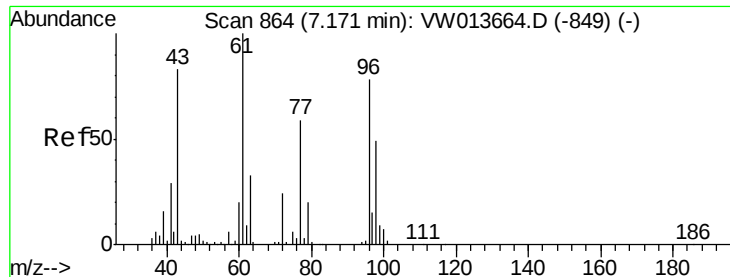
Tgt Ion: 43 Resp: 4157

Ion Ratio Lower Upper

43 100

58 39.5 24.1 36.1#





#25

2-Butanone

Concen: 1.763 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

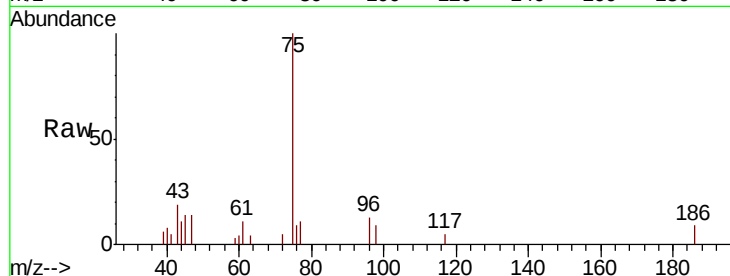
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1022

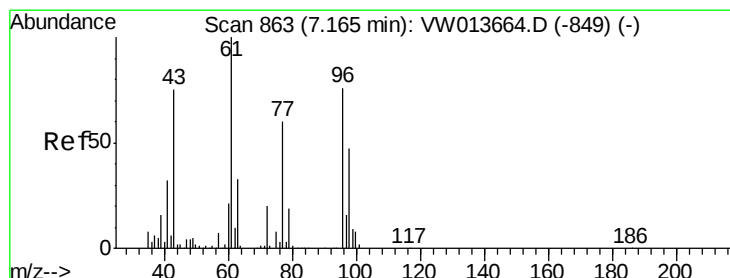
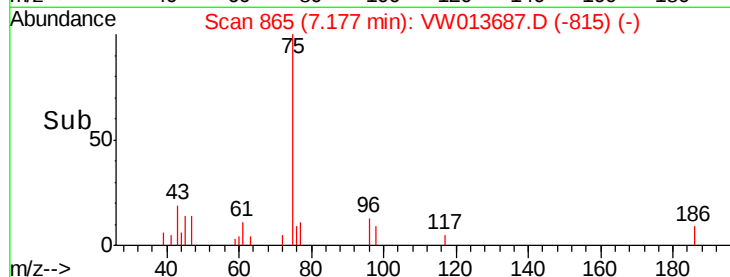
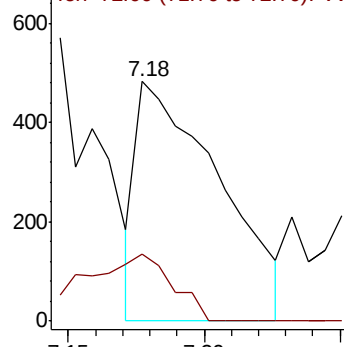
Ion Ratio Lower Upper

43 100

72 37.7 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.261 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013687.D

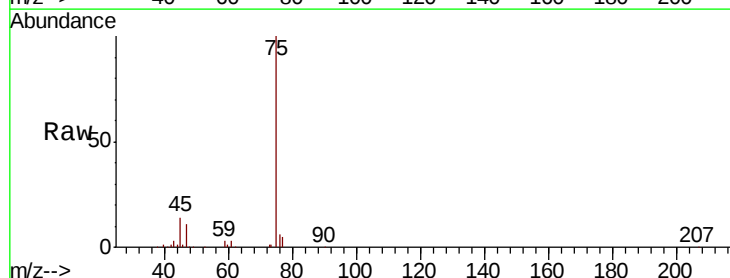
Acq: 24 Oct 2019 00:55

Tgt Ion: 77 Resp: 2945

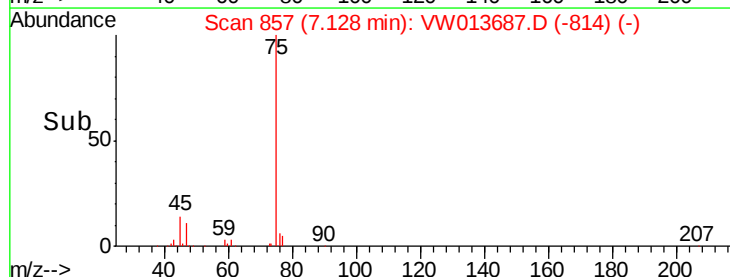
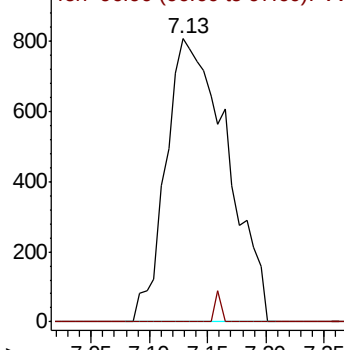
Ion Ratio Lower Upper

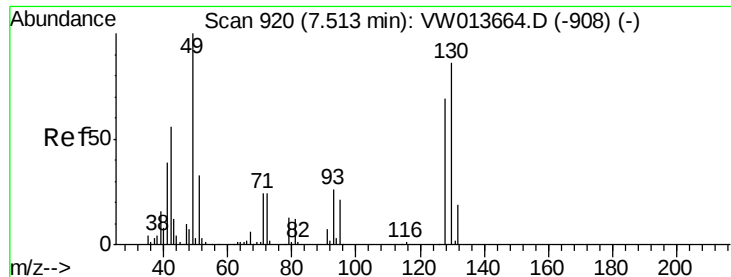
77 100

97 0.0 12.8 38.4#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW





#28

Bromochloromethane

Concen: 1.602 ug/l

RT: 7.51 min Scan# 920

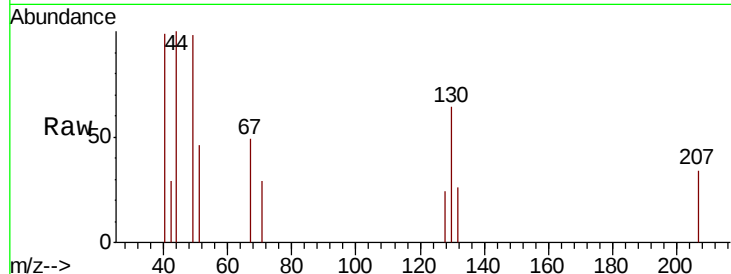
Delta R.T. 0.00 min

Lab File: VW013687.D

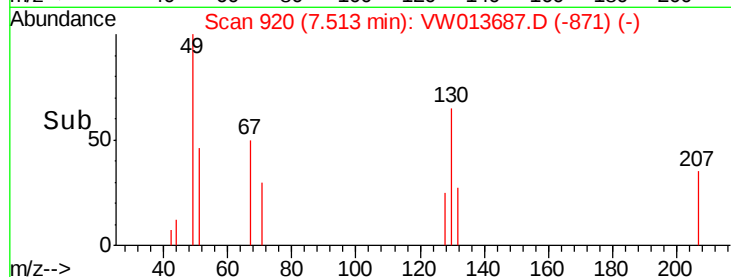
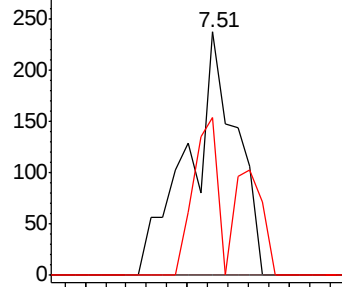
Acq: 24 Oct 2019 00:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 49 Resp: 387
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 33.1 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.981 ug/l

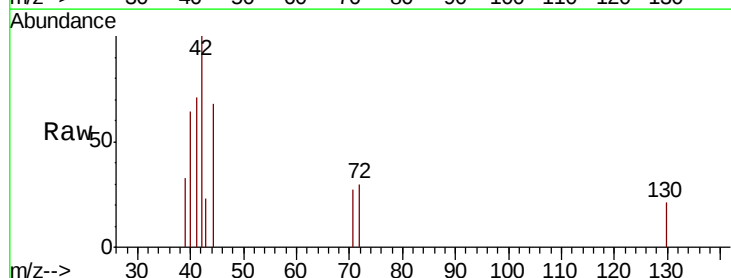
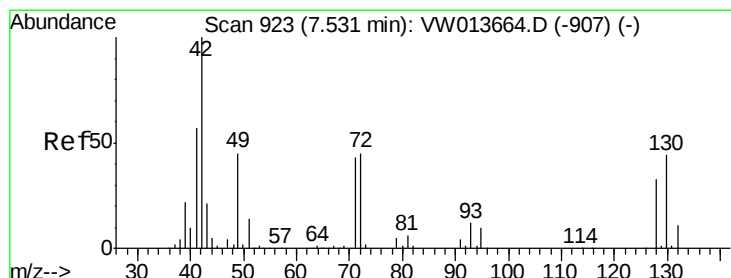
RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

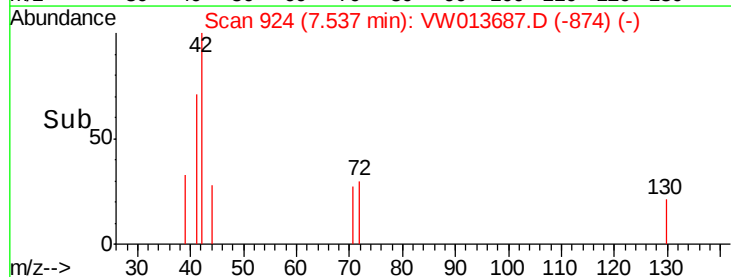
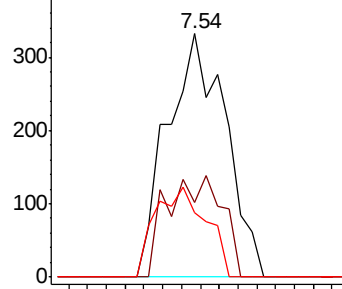
Lab File: VW013687.D

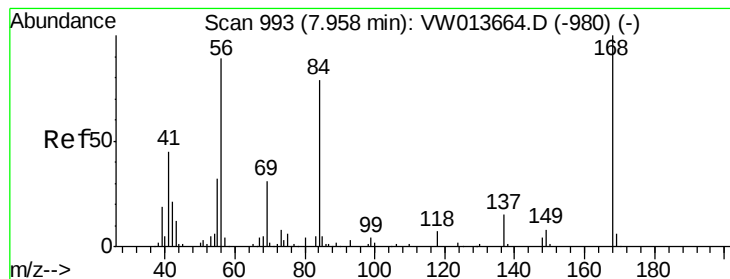
Acq: 24 Oct 2019 00:55

Tgt Ion: 42 Resp: 711
Ion Ratio Lower Upper
42 100
72 39.2 35.3 52.9
71 32.3 33.3 49.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.169 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

Instrument :

MSVOA_W

ClientSampled :

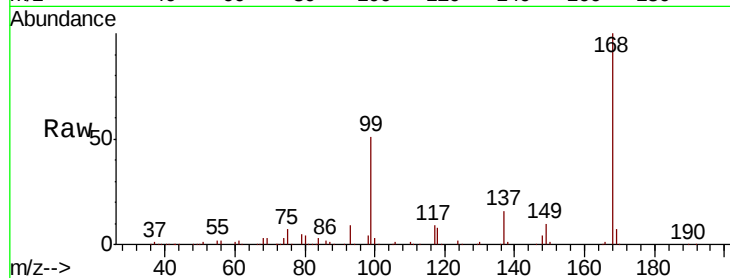
Tot Ion: 56 Resp: 4943

Ion Ratio Lower Upper

56 100

69 155.9 27.5 41.3#

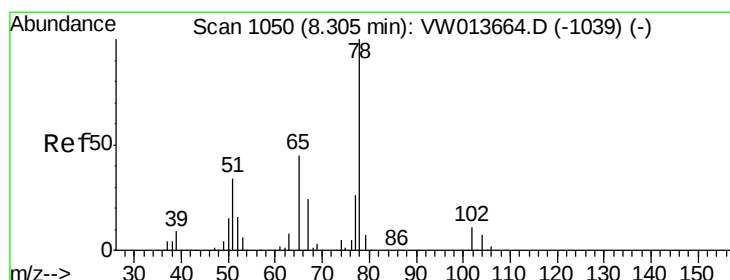
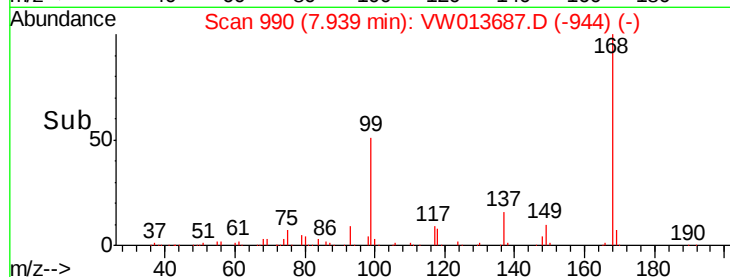
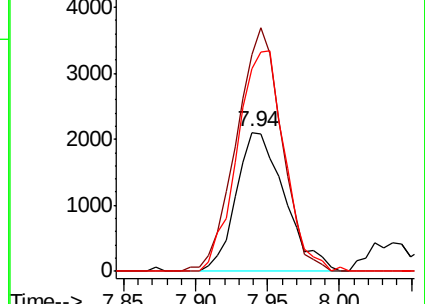
84 145.8 70.8 106.2#



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: 55.737 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013687.D

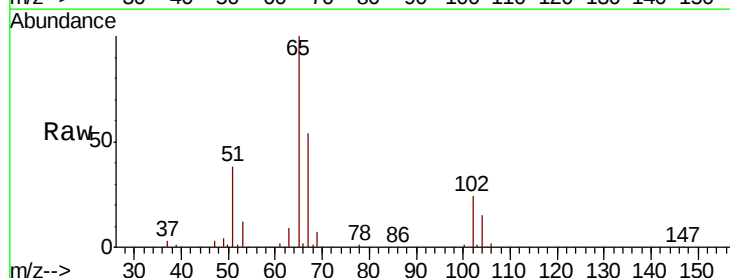
Acq: 24 Oct 2019 00:55

Tgt Ion: 65 Resp: 106016

Ion Ratio Lower Upper

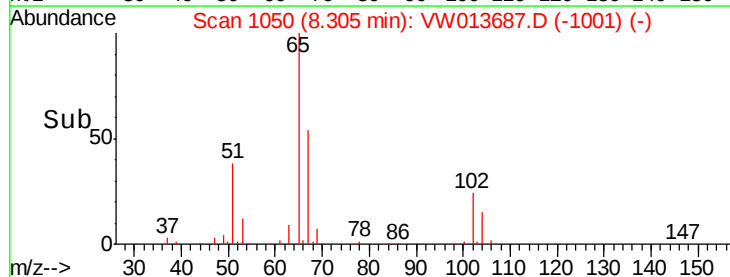
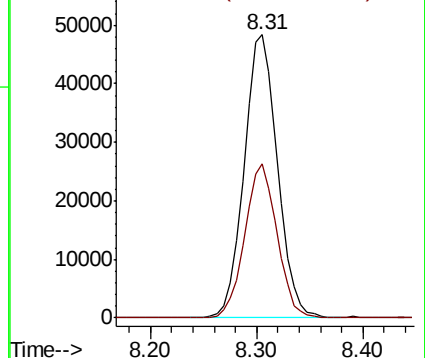
65 100

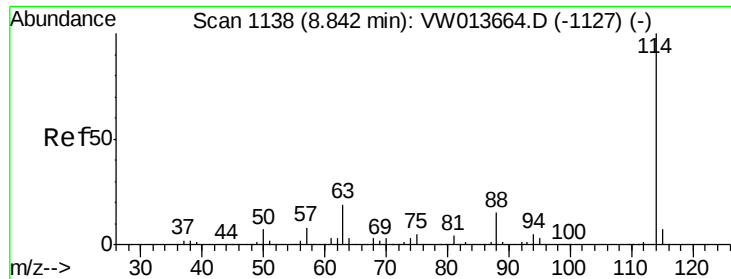
67 53.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

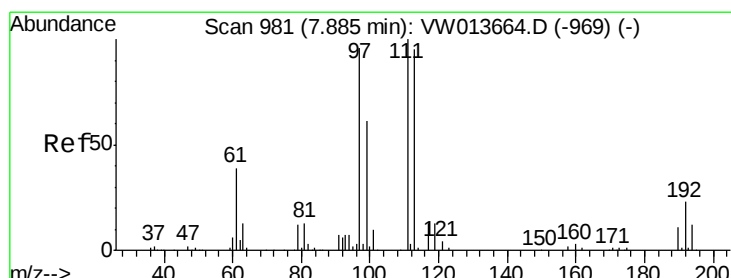
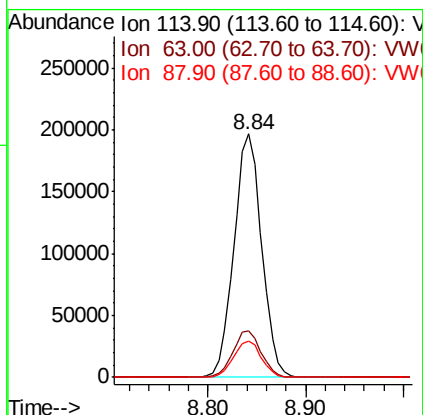
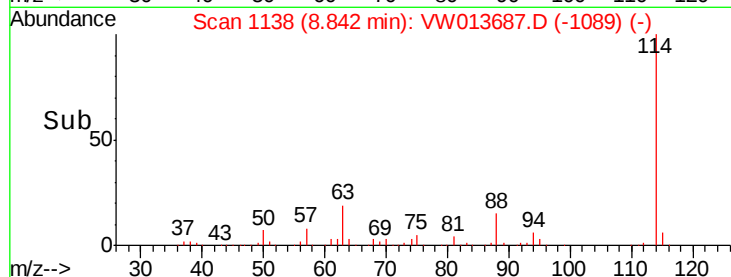
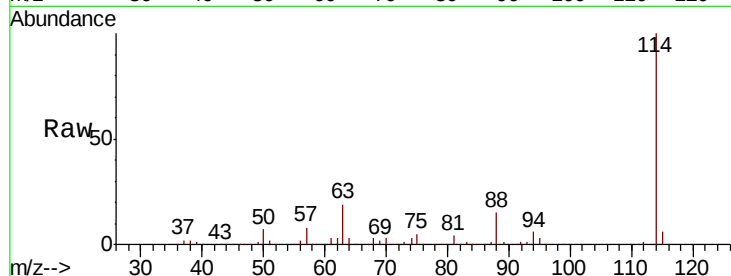




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013687.D
Acq: 24 Oct 2019 00:55

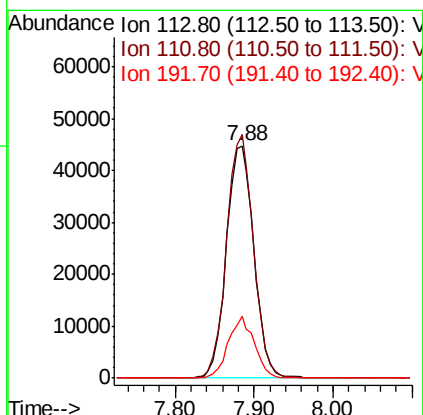
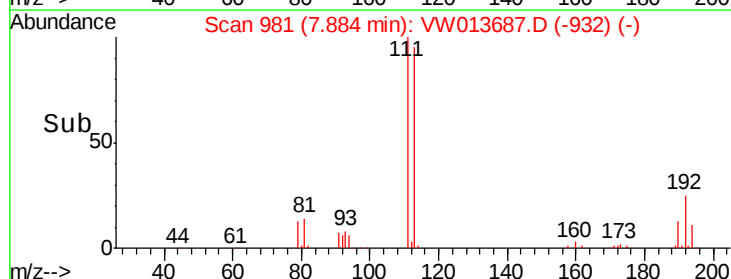
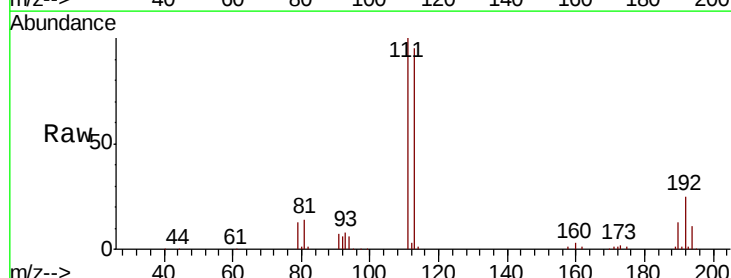
Instrument :
MSVOA_W
ClientSampled :

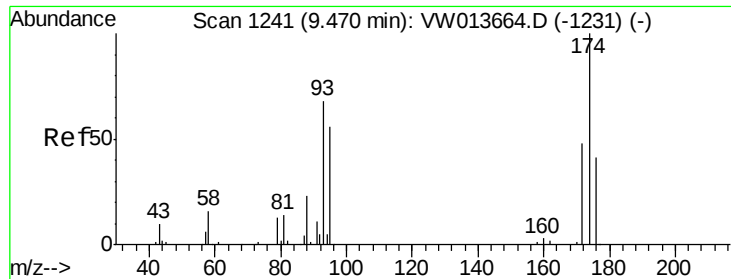
Tot Ion:114 Resp: 385678
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.6
88 15.1 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.638 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013687.D
Acq: 24 Oct 2019 00:55

Tgt Ion:113 Resp: 108519
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.6
192 24.8 19.4 29.2

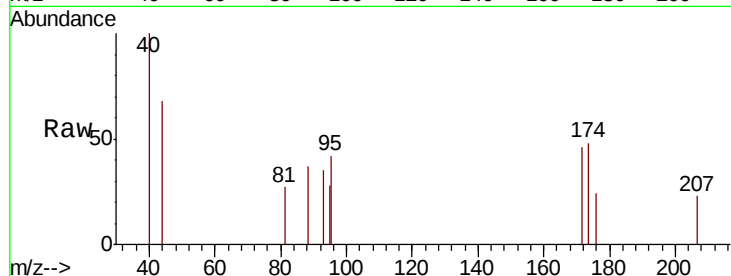




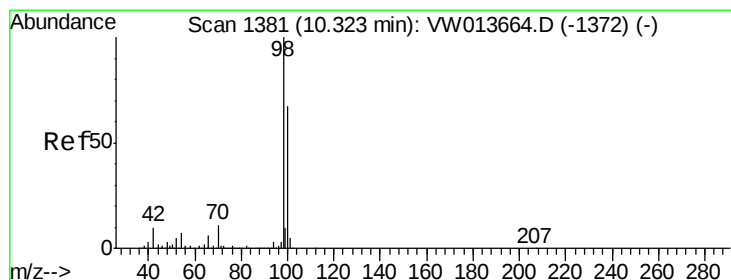
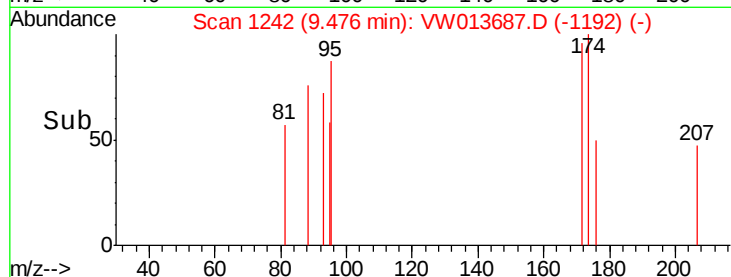
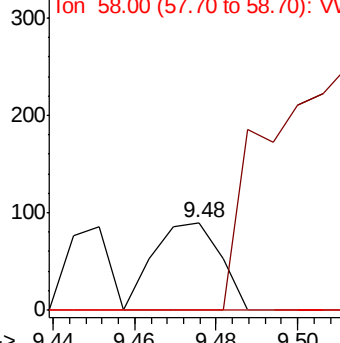
#49
1,4-Dioxane
Concen: 5.857 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW013687.D
Acq: 24 Oct 2019 00:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 58.9 88.3#

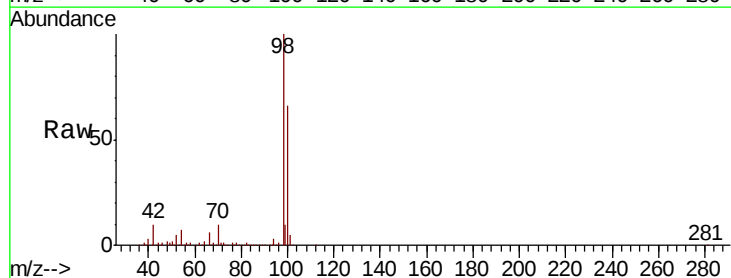


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

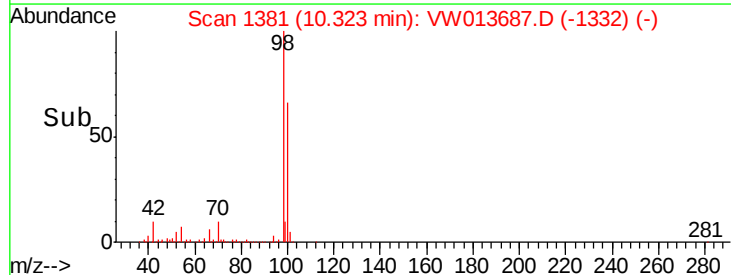
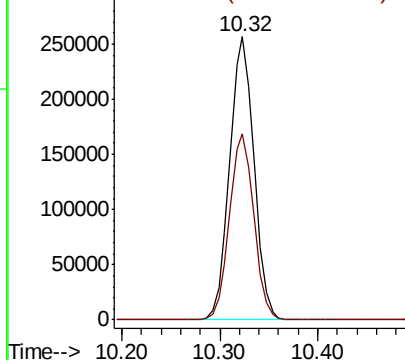


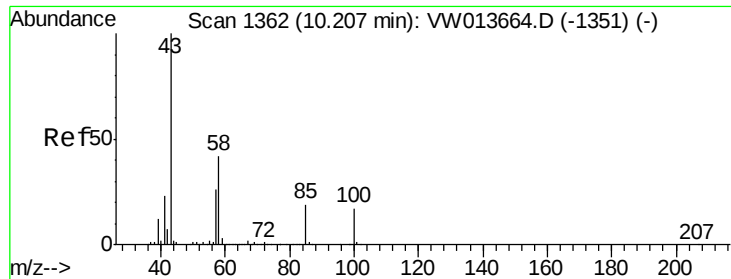
#50
Toluene-d8
Concen: 50.759 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013687.D
Acq: 24 Oct 2019 00:55

Tgt Ion: 98 Resp: 443246
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.863 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

Instrument :

MSVOA_W

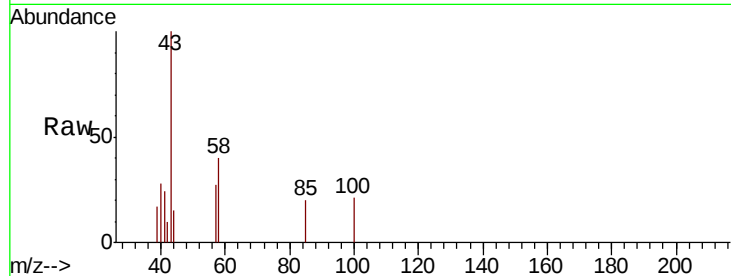
ClientSampled :

Tot Ion: 43 Resp: 2437

Ion Ratio Lower Upper

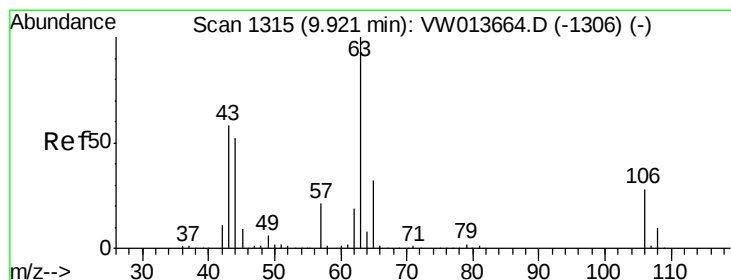
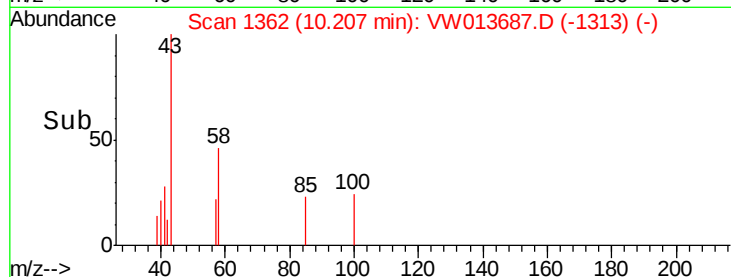
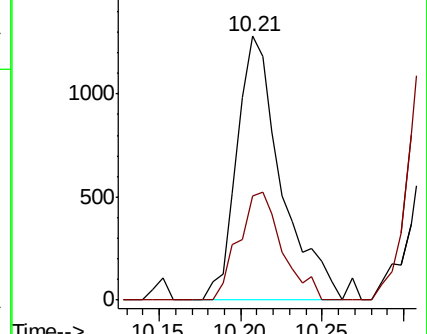
43 100

58 40.2 32.6 49.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 1.413 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW013687.D

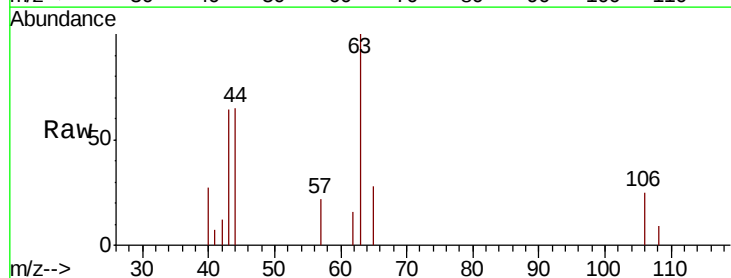
Acq: 24 Oct 2019 00:55

Tgt Ion: 63 Resp: 1429

Ion Ratio Lower Upper

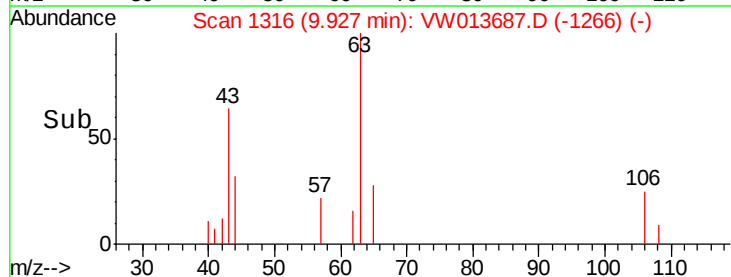
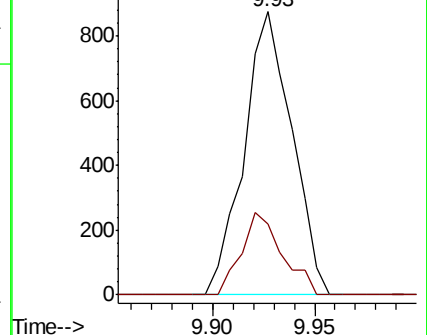
63 100

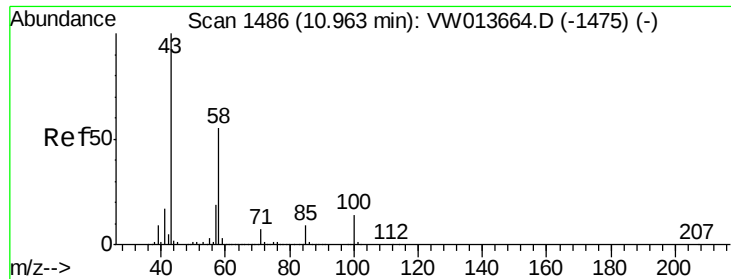
106 24.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 1.971 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

Instrument :

MSVOA_W

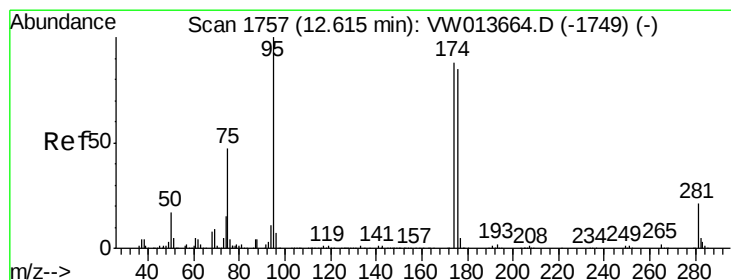
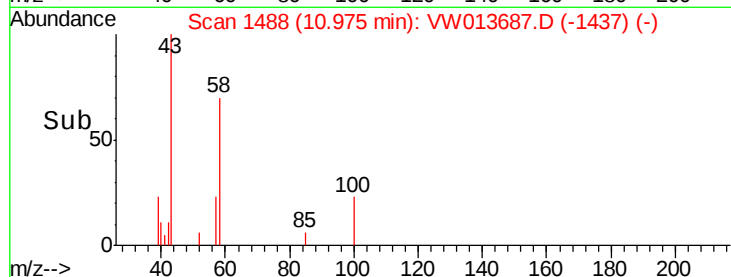
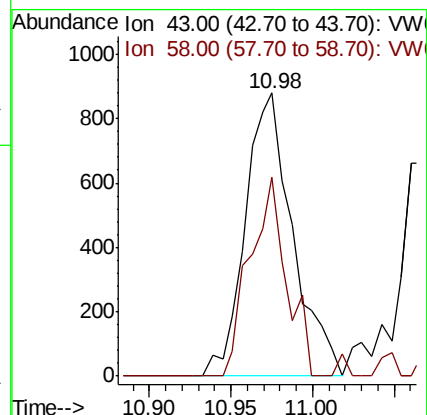
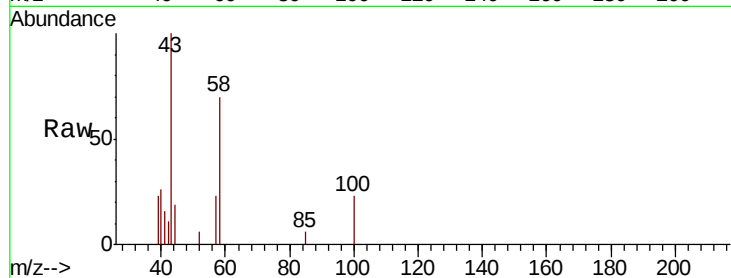
ClientSampleId :

Tot Ion: 43 Resp: 1777

Ion Ratio Lower Upper

43 100

58 54.8 27.9 83.7



#62

4-Bromofluorobenzene

Concen: 47.465 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

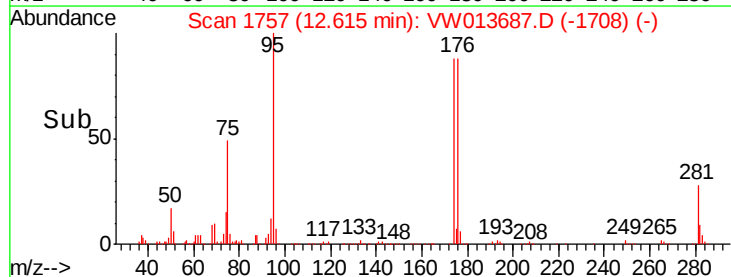
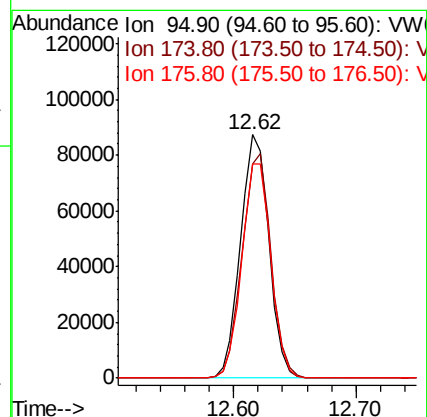
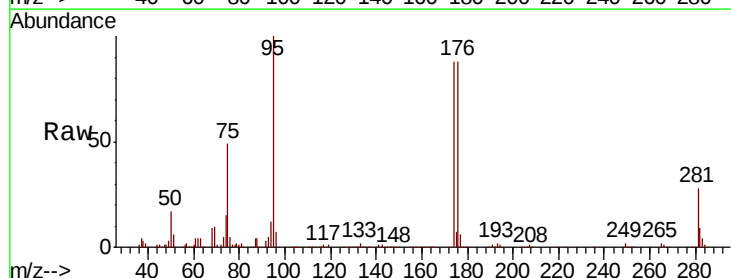
Tgt Ion: 95 Resp: 140343

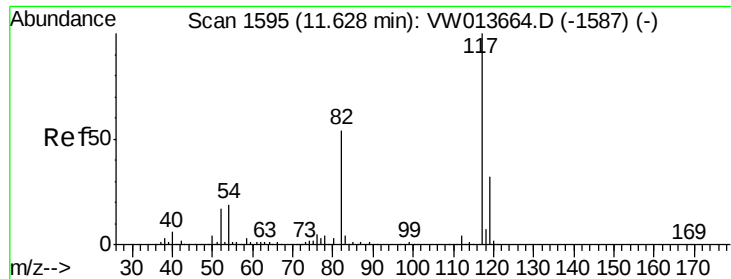
Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.6

176 90.4 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

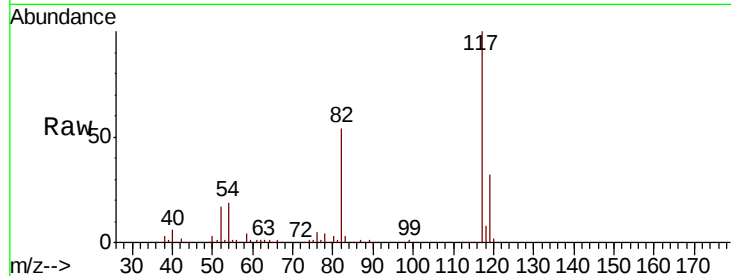
Tot Ion:117 Resp: 328618

Ion Ratio Lower Upper

117 100

82 53.8 43.6 65.4

119 31.7 25.4 38.2

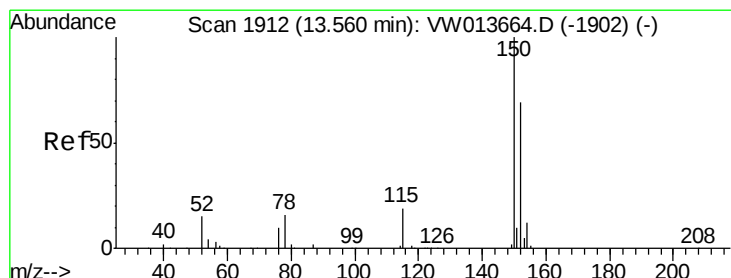
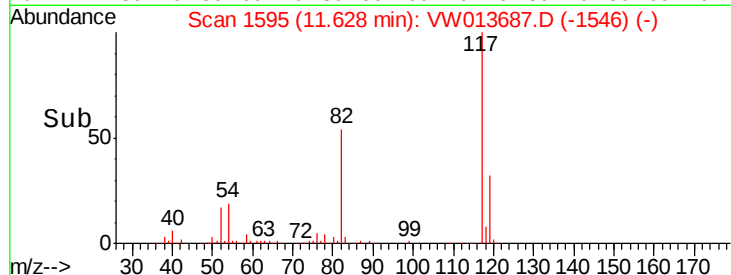
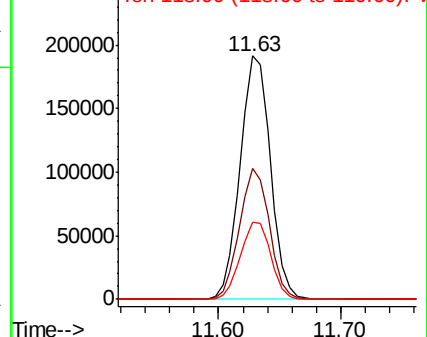


Abundance

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013687.D

Acq: 24 Oct 2019 00:55

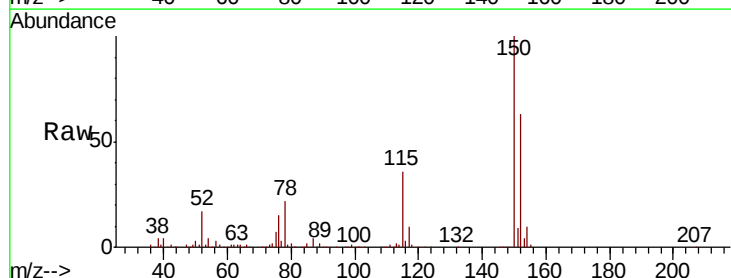
Tgt Ion:152 Resp: 150922

Ion Ratio Lower Upper

152 100

115 54.3 27.4 82.2

150 155.8 0.0 345.4

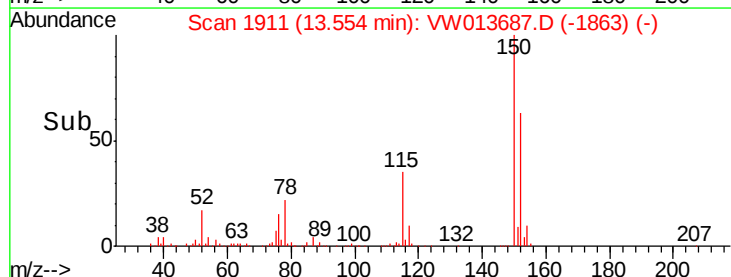
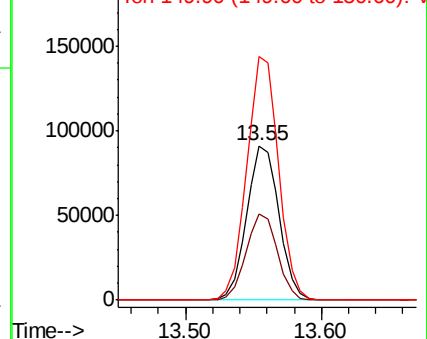


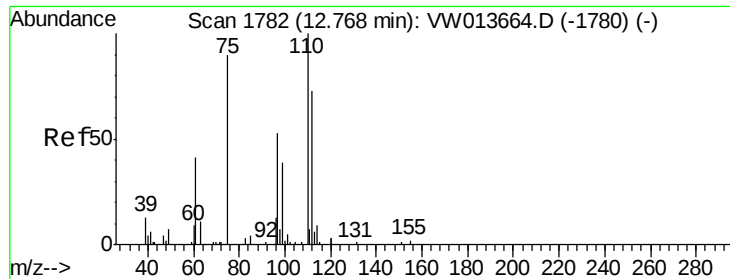
Abundance

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

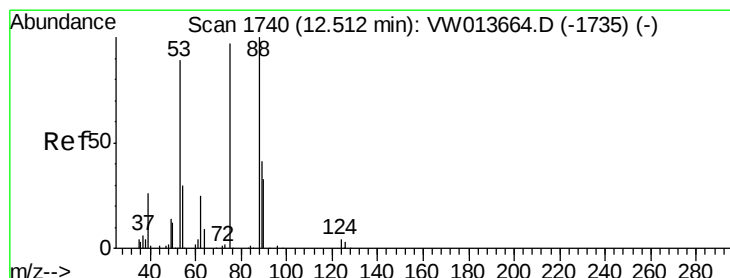
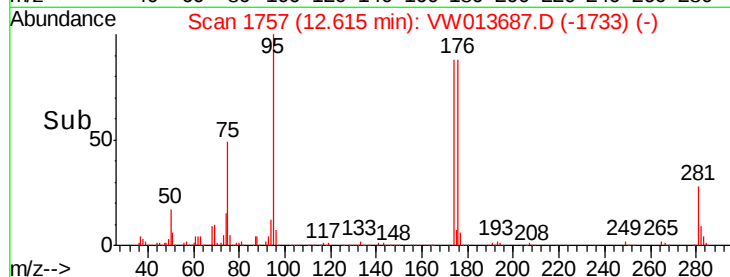
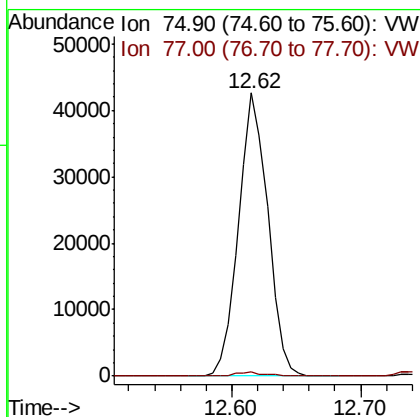
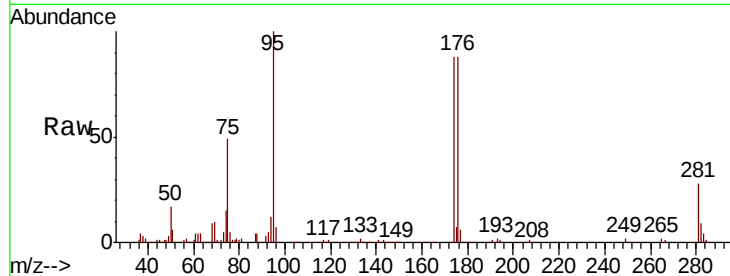




#76
 1,2,3-Trichloropropane
 Concen: 61.773 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013687.D
 Acq: 24 Oct 2019 00:55

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 66952
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.743 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013687.D
 Acq: 24 Oct 2019 00:55

Tgt Ion: 75 Resp: 66952
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.7 107.5#
 89 0.1 35.8 53.8#

