

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013408.D
 Acq On : 03 Oct 2019 06:21
 Operator : SY/VA
 Sample : K5134-02
 Misc : 7.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 08:06:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143159	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	132800	58.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.82%	
35) Dibromofluoromethane	7.88	113	125887	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
50) Toluene-d8	10.32	98	530282	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
62) 4-Bromofluorobenzene	12.62	95	154608	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

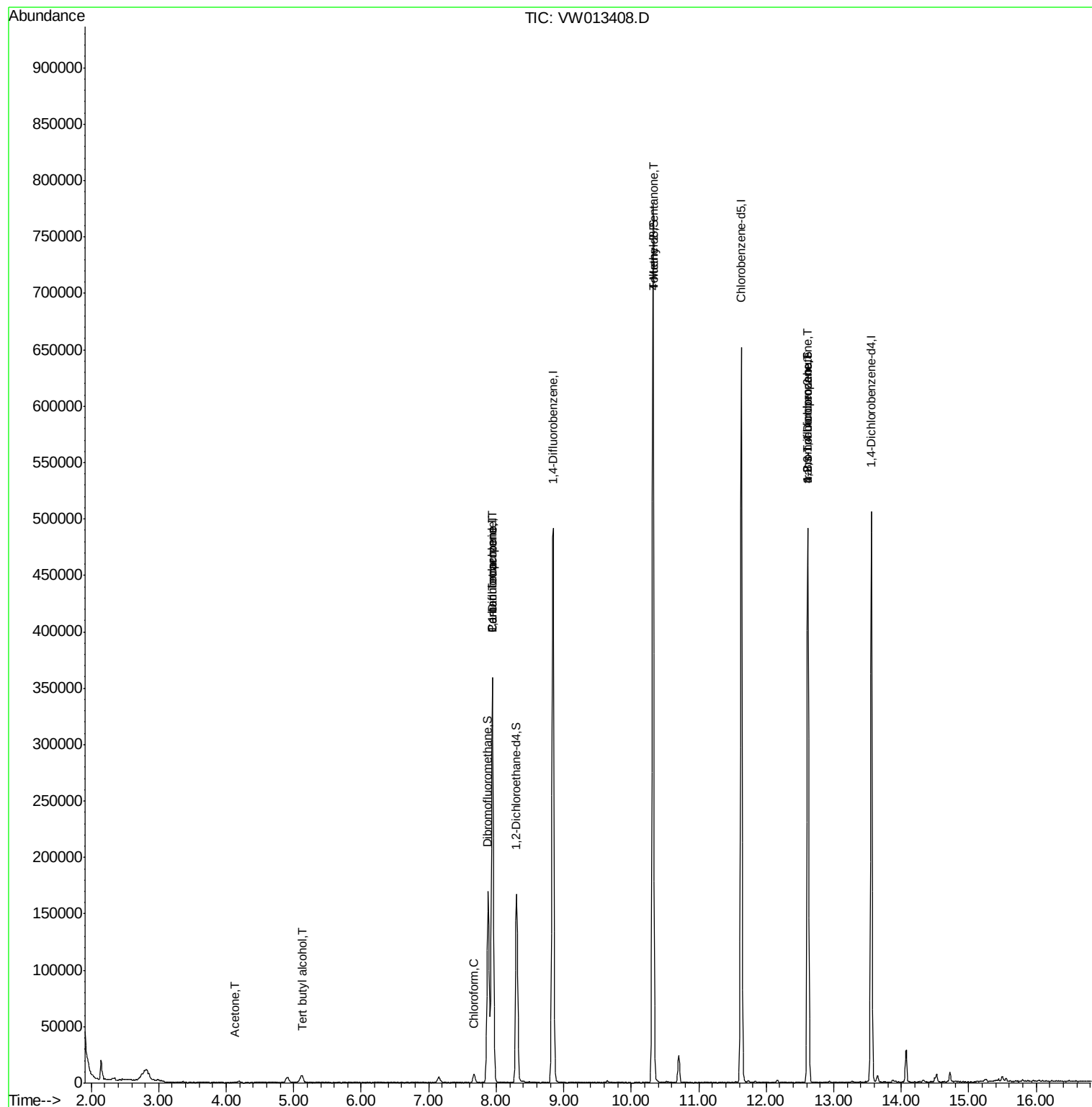
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6605	4.180	ug/l #	75
16) Acetone	4.13	43	801	1.159	ug/l #	84
20) Methylene Chloride	4.92	84	4095	Below Cal	#	75
26) 2,2-Dichloropropane	7.17	77	153	Below Cal	#	52
30) Chloroform	7.67	83	7070	1.491	ug/l	94
36) 1,1-Dichloropropene	7.94	75	19301	4.632	ug/l #	47
38) Carbon Tetrachloride	7.94	117	26126	7.238	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2257	1.241	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73295	57.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73295	116.408	ug/l #	12

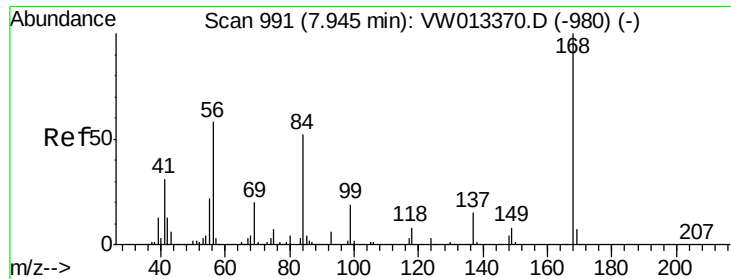
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 02 11:49:57 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: VW013408.D

Acq: 03 Oct 2019 06:21

Instrument :

MSVOA_W

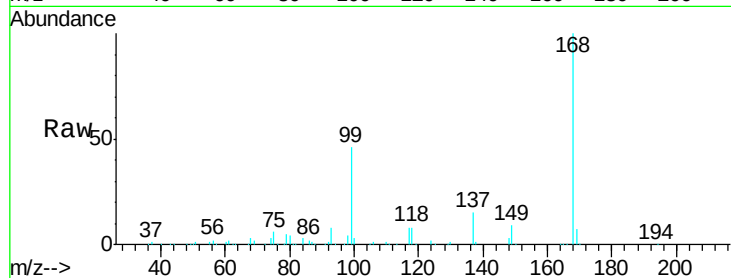
ClientSampled :

Tgt Ion:168 Resp: 301902

Ion Ratio Lower Upper

168 100

99 45.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

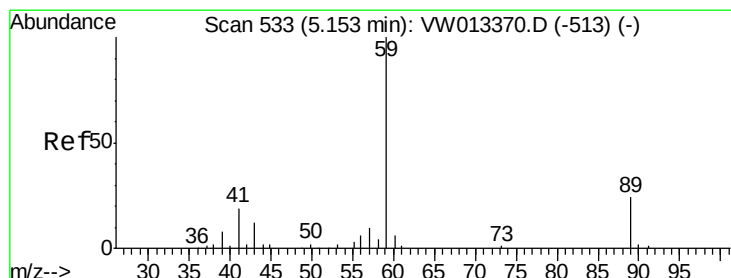
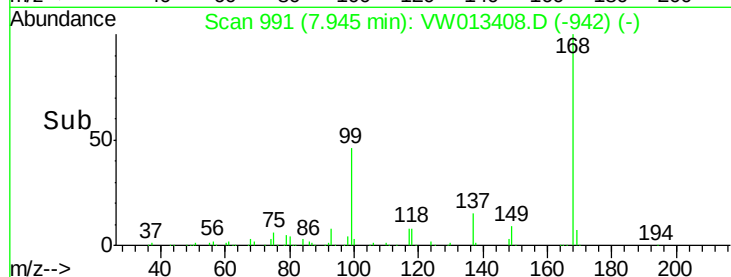
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 4.180 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013408.D

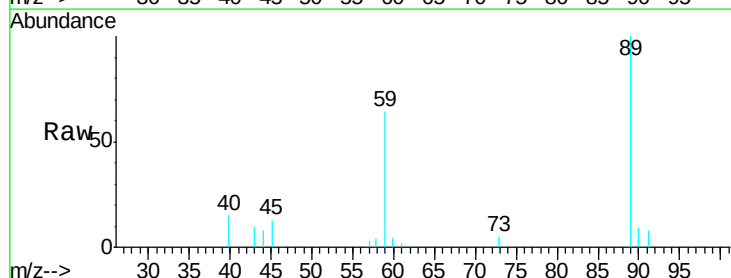
Acq: 03 Oct 2019 06:21

Tgt Ion: 59 Resp: 6605

Ion Ratio Lower Upper

59 100

57 0.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

1500

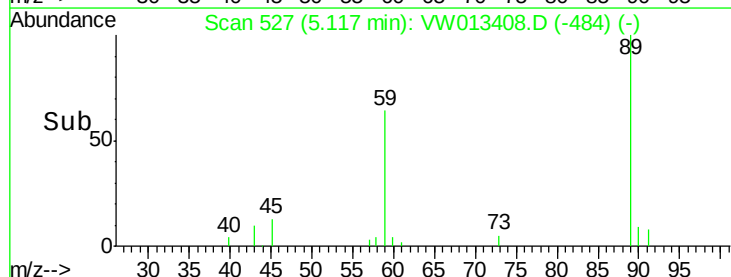
1000

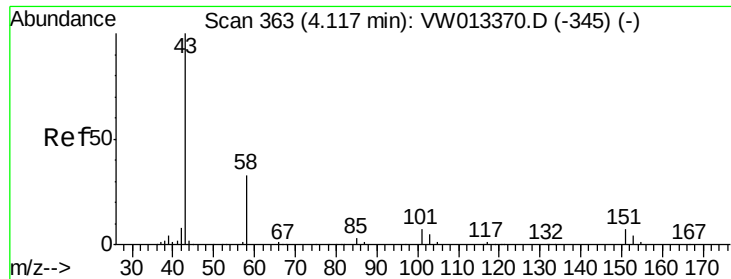
500

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 1.159 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013408.D

Acq: 03 Oct 2019 06:21

Instrument :

MSVOA_W

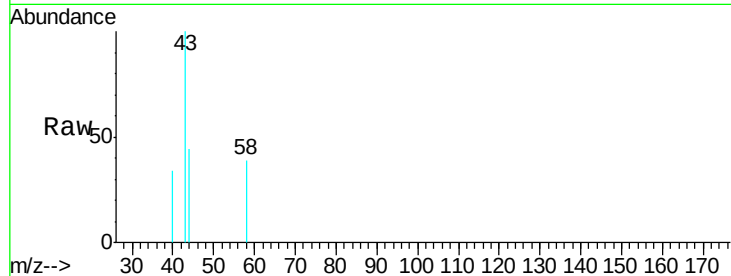
ClientSampled :

Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

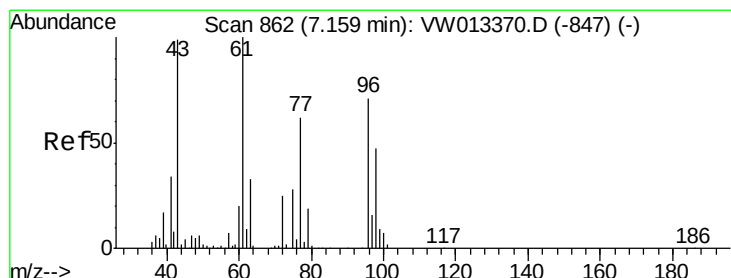
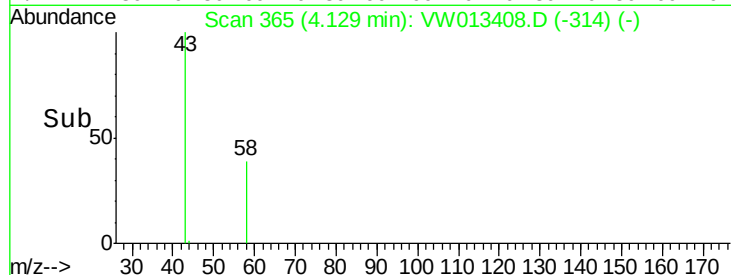
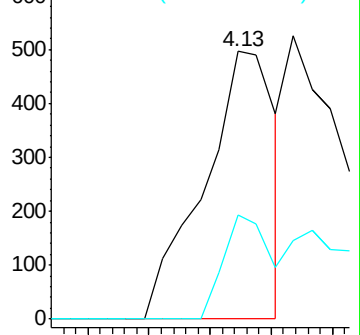
43 100

58 38.6 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013408.D

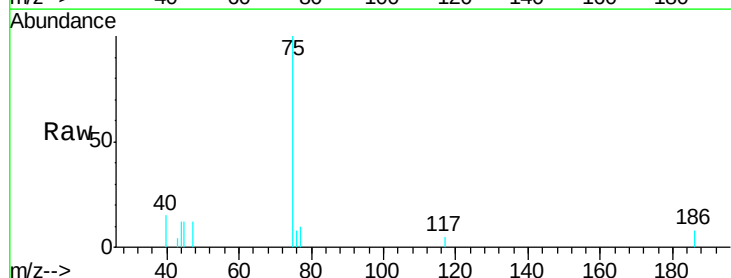
Acq: 03 Oct 2019 06:21

Tgt Ion: 77 Resp: 153

Ion Ratio Lower Upper

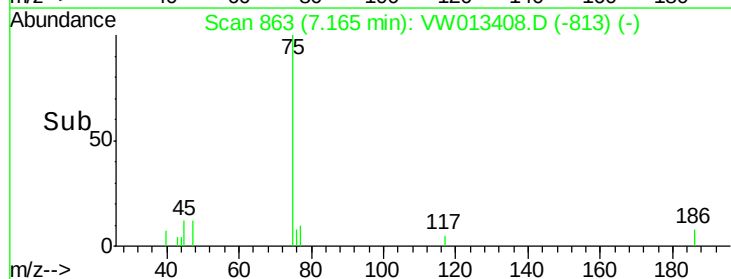
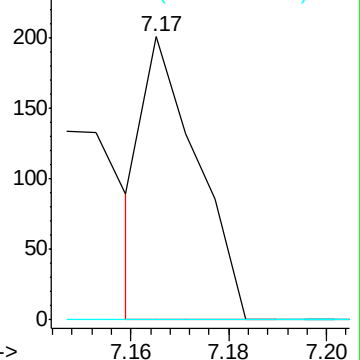
77 100

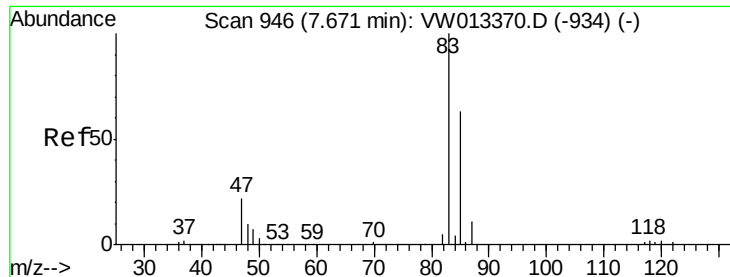
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

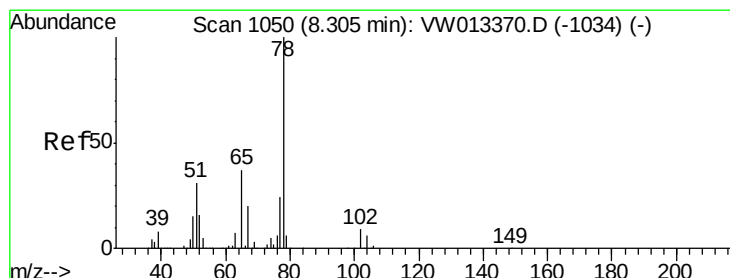
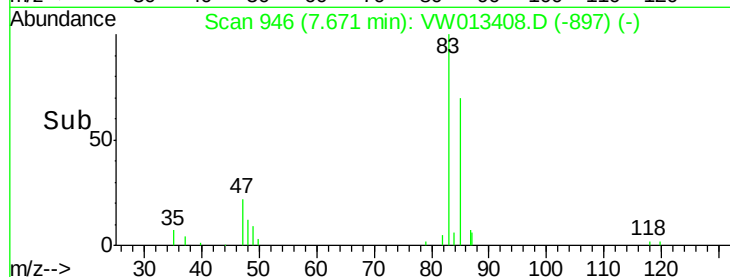
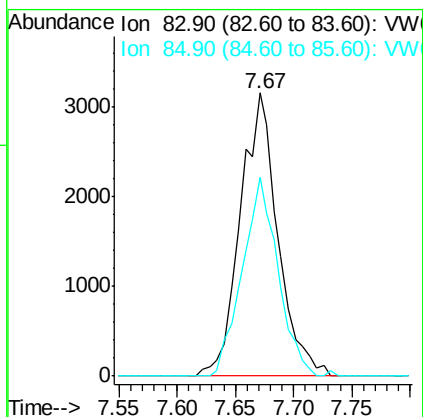
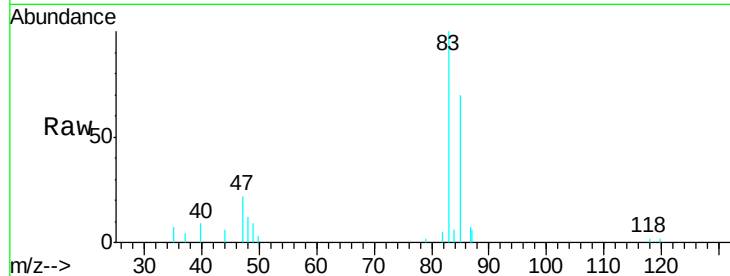




#30
Chloroform
Concen: 1.491 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013408.D
Acq: 03 Oct 2019 06:21

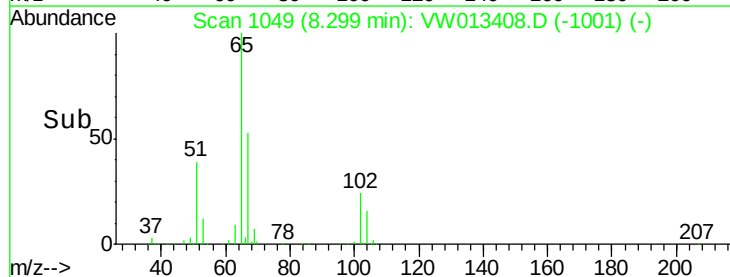
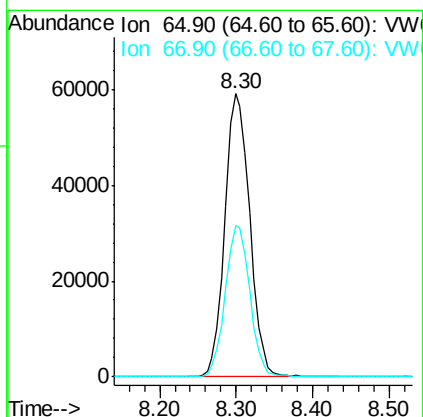
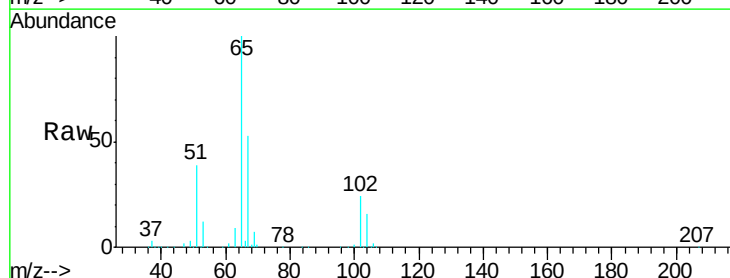
Instrument :
MSVOA_W
ClientSampled :

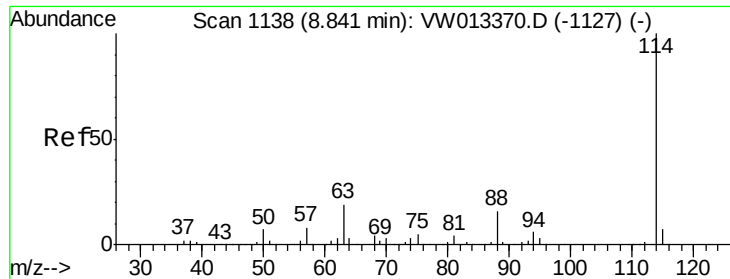
Tgt Ion: 83 Resp: 7070
Ion Ratio Lower Upper
83 100
85 70.4 52.3 78.5



#33
1,2-Dichloroethane-d4
Concen: 58.912 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013408.D
Acq: 03 Oct 2019 06:21

Tgt Ion: 65 Resp: 132800
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.2

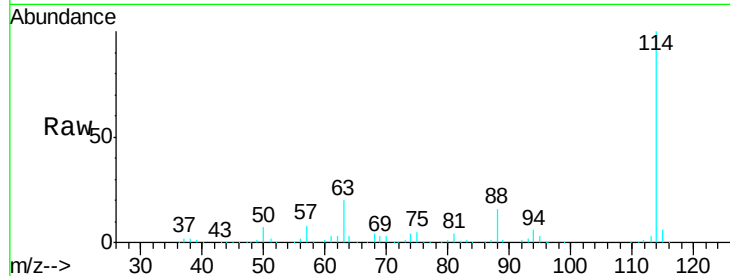




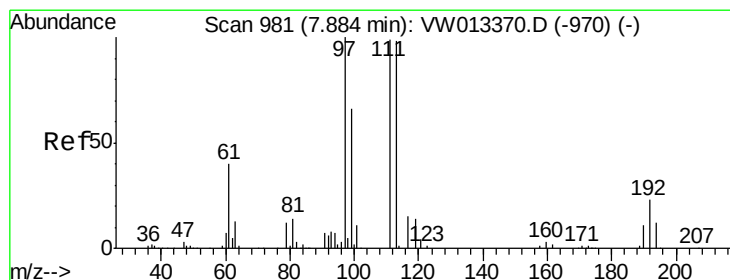
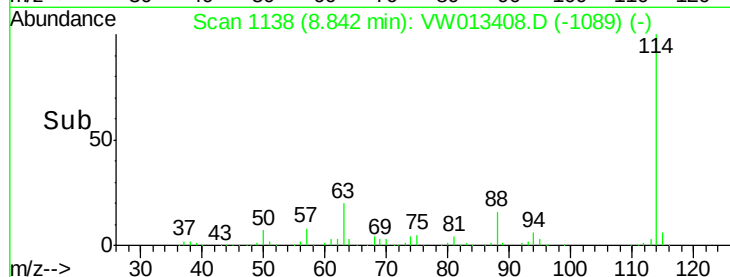
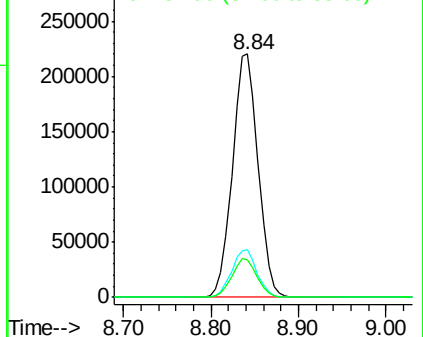
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013408.D
 Acq: 03 Oct 2019 06:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:114 Resp: 448631
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.5 0.0 32.0

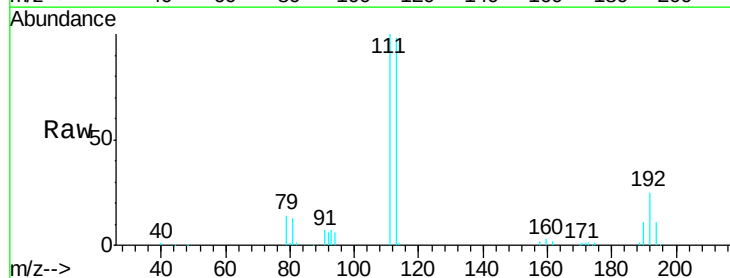


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

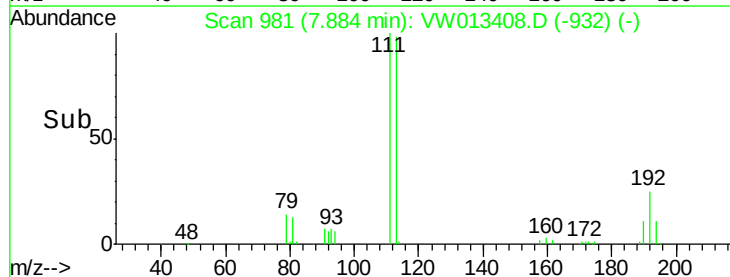
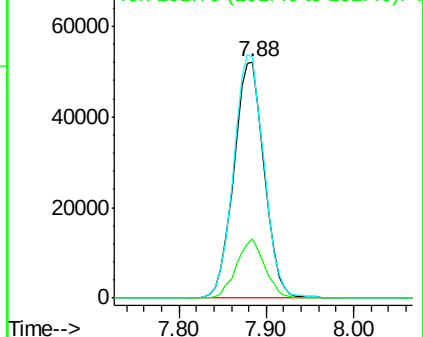


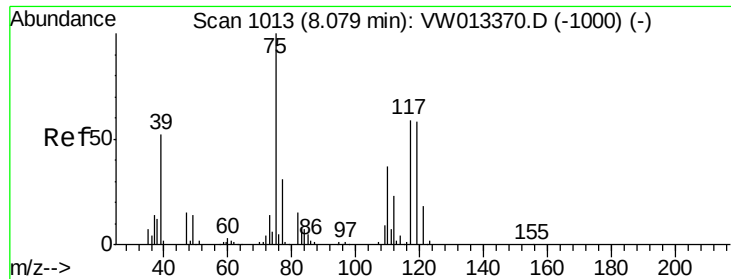
#35
 Dibromofluoromethane
 Concen: 53.476 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013408.D
 Acq: 03 Oct 2019 06:21

Tgt Ion:113 Resp: 125887
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.9 122.9
 192 23.3 19.1 28.7



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

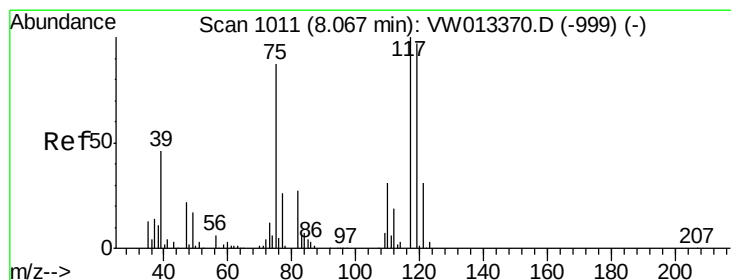
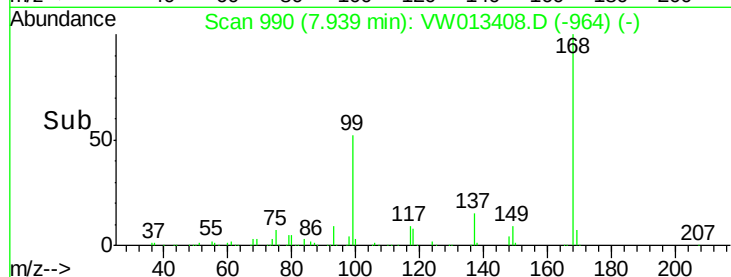
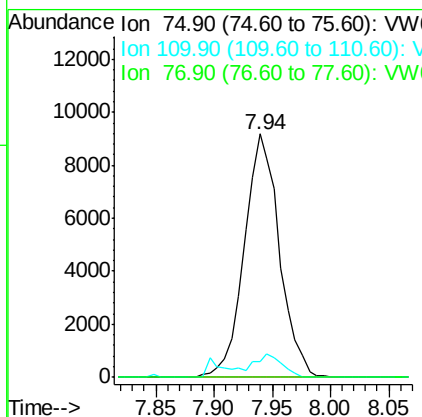
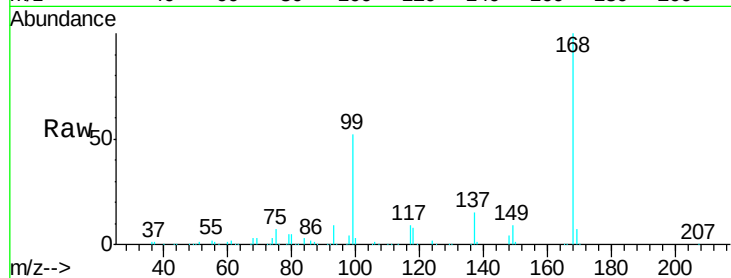




#36
 1,1-Dichloropropene
 Concen: 4.632 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013408.D
 Acq: 03 Oct 2019 06:21

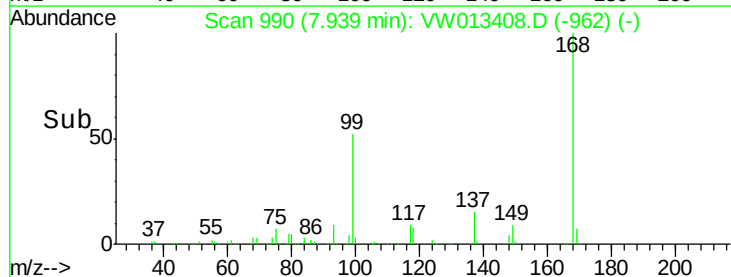
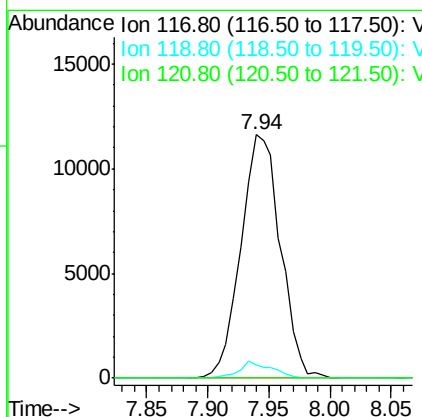
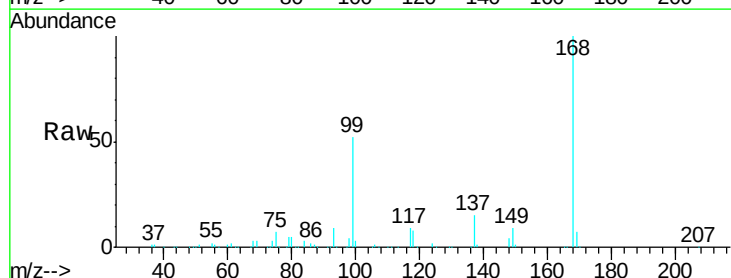
Instrument :
 MSVOA_W
 ClientSampleId :

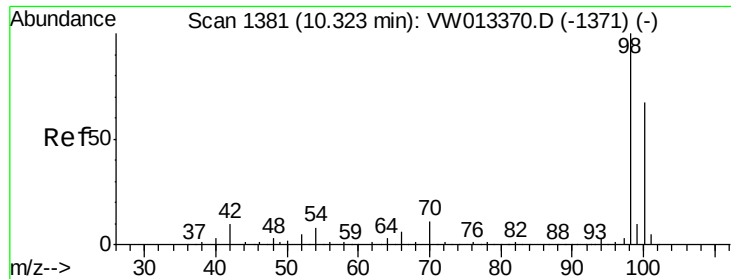
Tgt Ion: 75 Resp: 19301
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.1 54.3#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 7.238 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013408.D
 Acq: 03 Oct 2019 06:21

Tgt Ion: 117 Resp: 26126
 Ion Ratio Lower Upper
 117 100
 119 5.5 73.5 110.3#
 121 0.0 25.0 37.6#

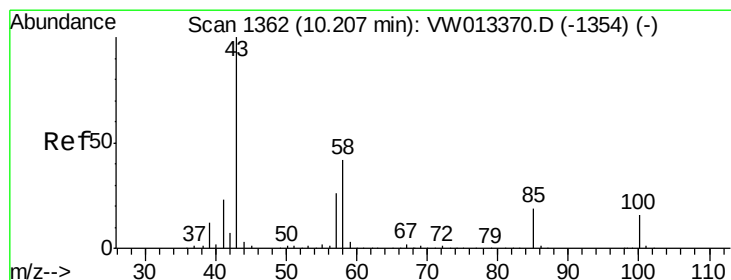
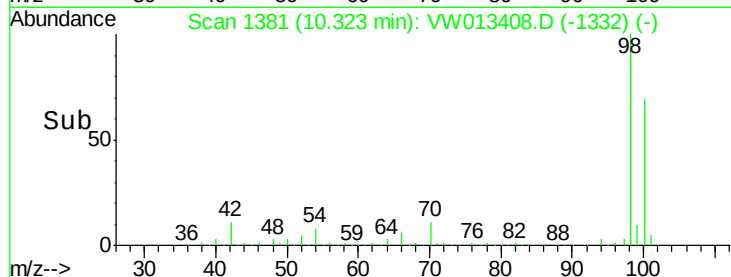
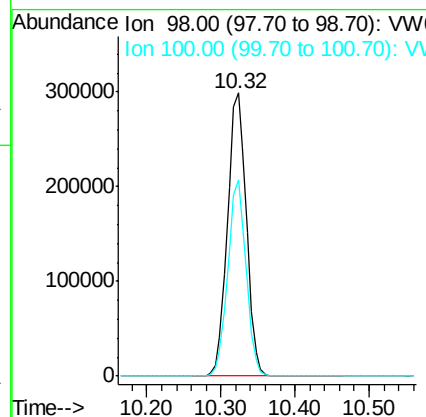
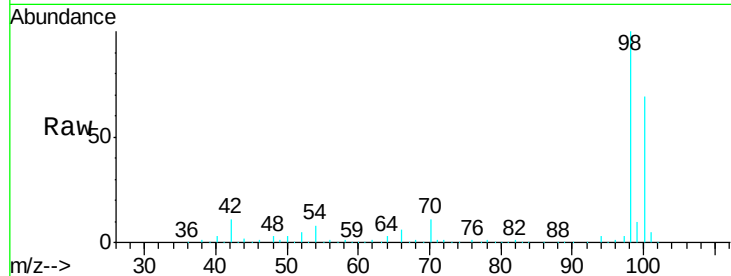




#50
Toluene-d8
Concen: 54.282 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013408.D
Acq: 03 Oct 2019 06:21

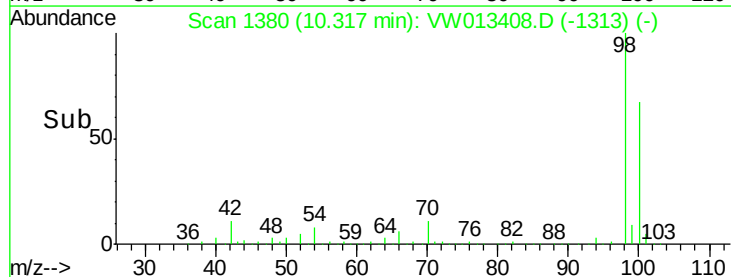
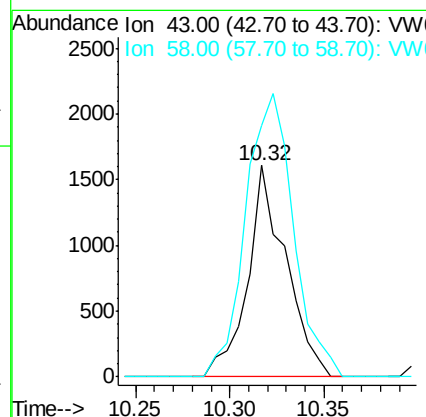
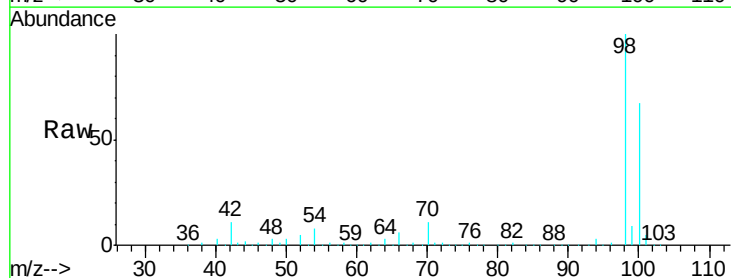
Instrument :
MSVOA_W
ClientSampleId :

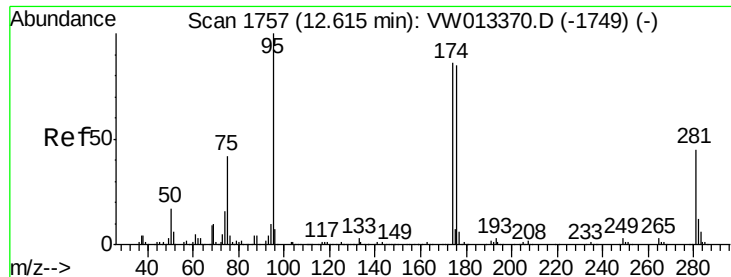
Tgt Ion: 98 Resp: 530282
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.241 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW013408.D
Acq: 03 Oct 2019 06:21

Tgt Ion: 43 Resp: 2257
Ion Ratio Lower Upper
43 100
58 168.0 31.7 47.5#





#62

4-Bromofluorobenzene

Concen: 47.393 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013408.D

Acq: 03 Oct 2019 06:21

Instrument :

MSVOA_W

ClientSampleId :

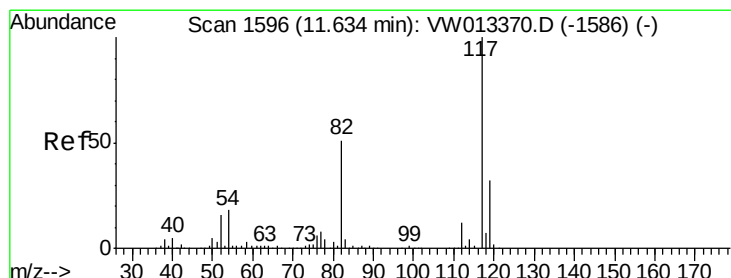
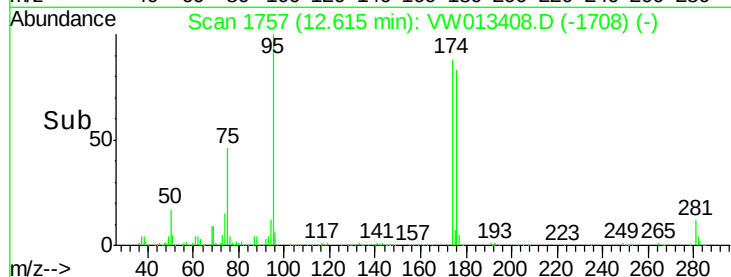
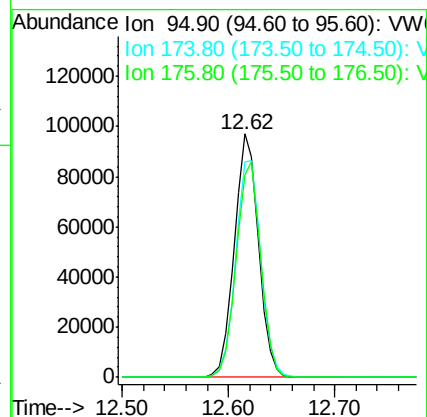
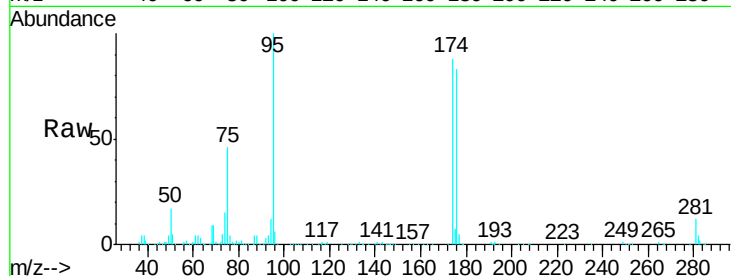
Tgt Ion: 95 Resp: 154608

Ion Ratio Lower Upper

95 100

174 92.7 0.0 178.4

176 89.8 0.0 172.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013408.D

Acq: 03 Oct 2019 06:21

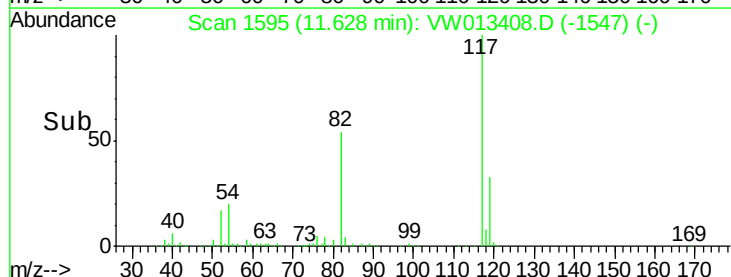
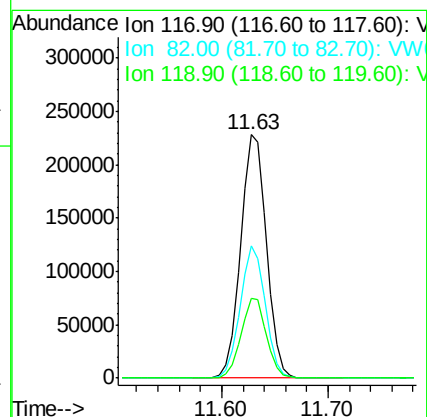
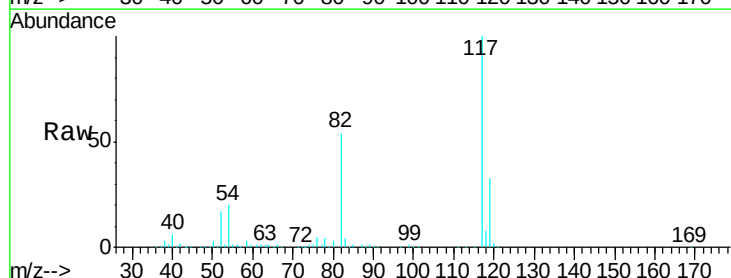
Tgt Ion: 117 Resp: 387366

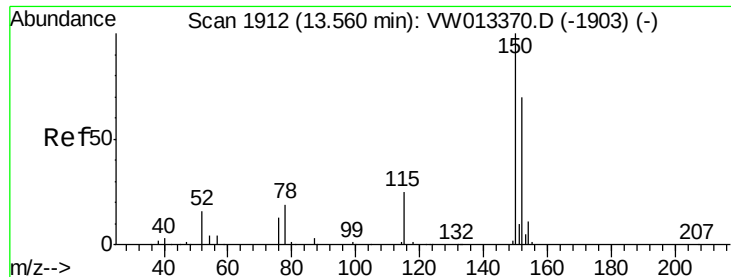
Ion Ratio Lower Upper

117 100

82 54.4 45.9 68.9

119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013408.D

Acq: 03 Oct 2019 06:21

Instrument :

MSVOA_W

ClientSampleId :

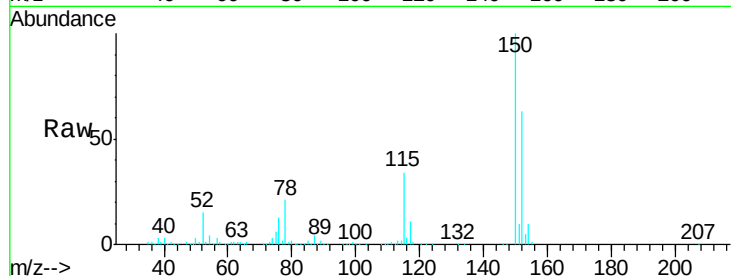
Tgt Ion:152 Resp: 143159

Ion Ratio Lower Upper

152 100

115 55.0 27.3 81.9

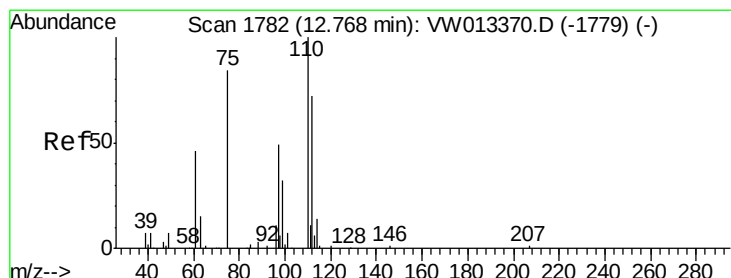
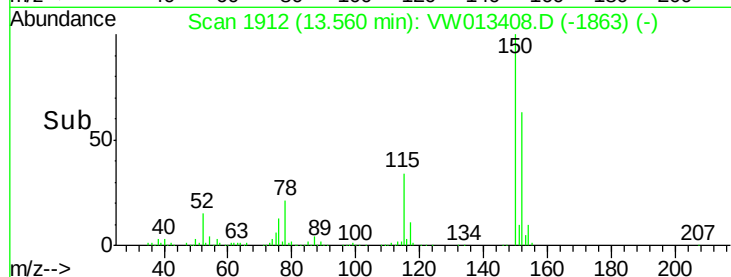
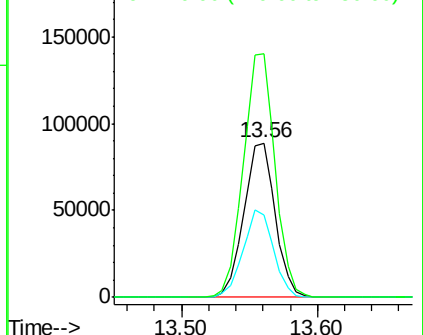
150 159.1 0.0 349.0



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: 57.606 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013408.D

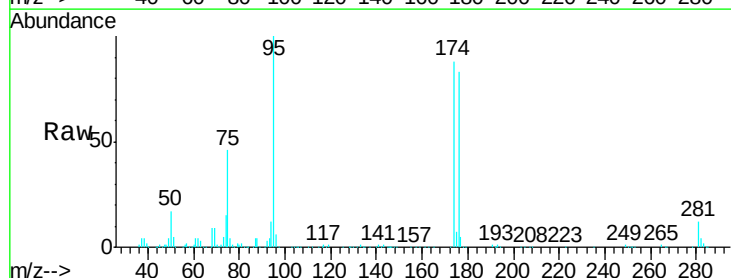
Acq: 03 Oct 2019 06:21

Tgt Ion: 75 Resp: 73295

Ion Ratio Lower Upper

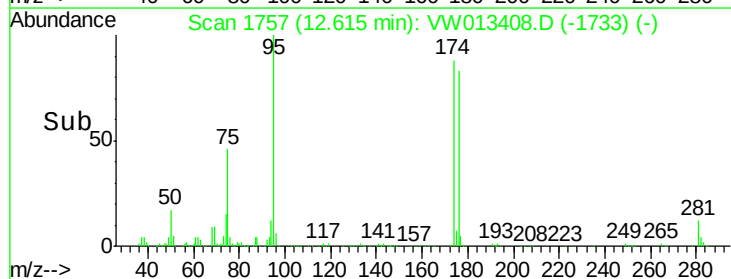
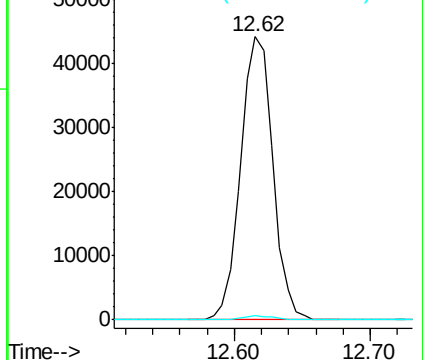
75 100

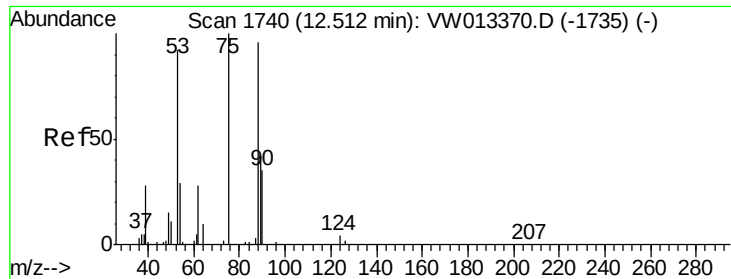
77 1.5 0.0 0.0#



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: 116.408 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

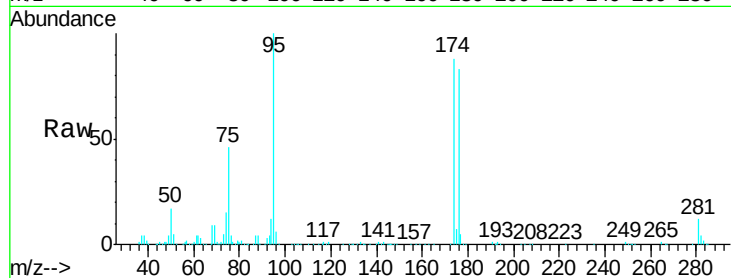
Lab File: VW013408.D

Acq: 03 Oct 2019 06:21

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 75 Resp: 73295

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#

