

Data File : VW010596.D
Acq On : 29 May 2019 17:37
Operator : SY/VA
Sample : K3090-08
Misc : 4.82G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-D2

Quant Time: May 30 08:35:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	121119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	196272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	68661	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
35) Dibromofluoromethane	7.88	113	66034	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.32	98	266516	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.62	95	98982	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

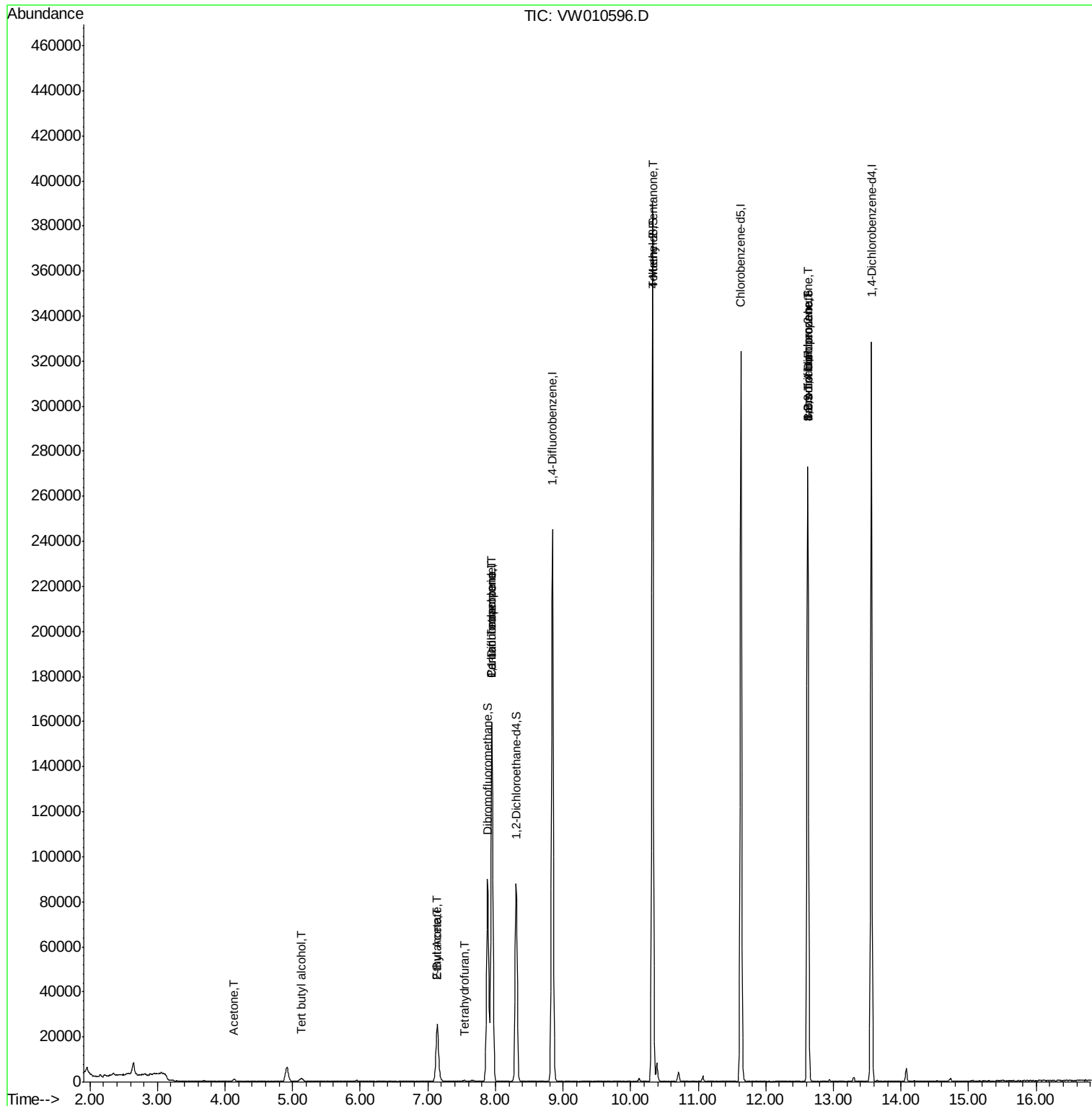
						Qvalue
11) Tert butyl alcohol	5.12	59	1789	15.909	ug/l #	71
16) Acetone	4.13	43	1944	7.618	ug/l	99
20) Methylene Chloride	4.92	84	5535	Below Cal		93
25) 2-Butanone	7.14	43	1193	3.267	ug/l #	45
29) Tetrahydrofuran	7.54	42	470	1.902	ug/l #	64
36) 1,1-Dichloropropene	7.95	75	9293	4.530	ug/l #	47
37) Ethyl Acetate	7.14	43	1193	1.368	ug/l #	9
38) Carbon Tetrachloride	7.95	117	12575	5.683	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1124	1.273	ug/l #	1
71) Bromoform	12.62	173	831	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	46525	54.311	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46525	113.348	ug/l #	14

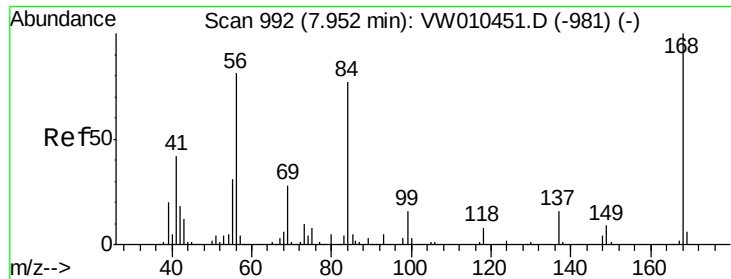
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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Acq: 29 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

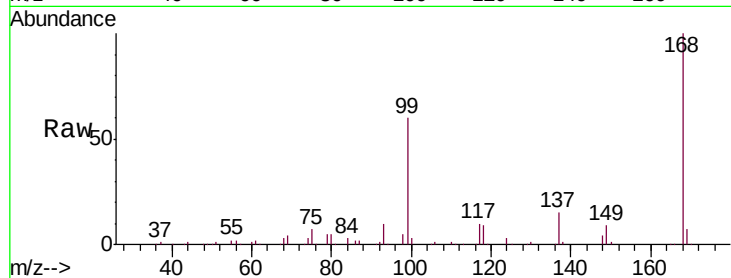
TP-4-D2

Tgt Ion:168 Resp: 121119

Ion Ratio Lower Upper

168 100

99 60.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

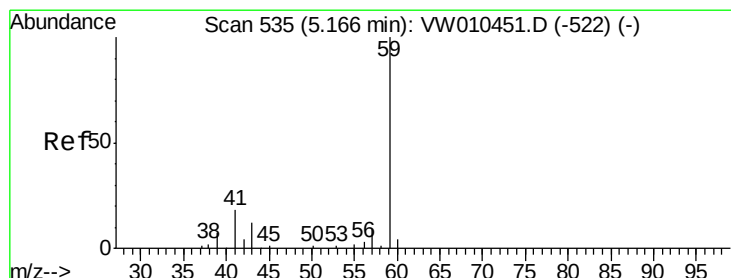
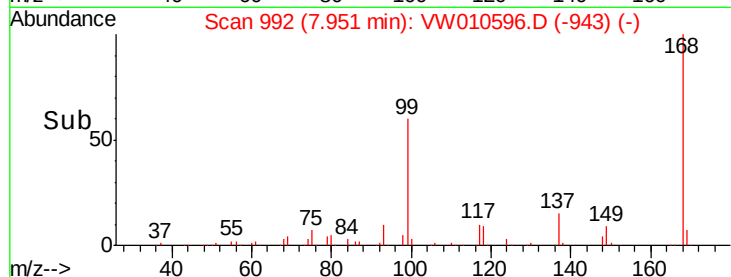
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 15.909 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW010596.D

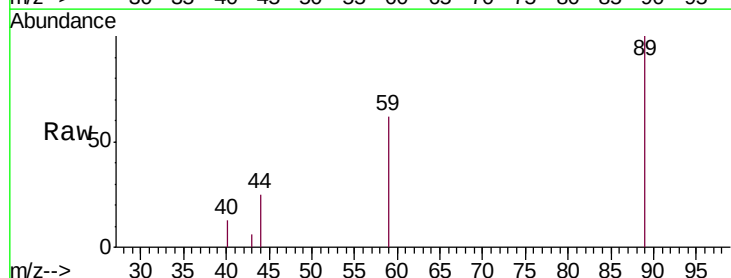
Acq: 29 May 2019 17:37

Tgt Ion: 59 Resp: 1789

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

5.12

600

500

400

300

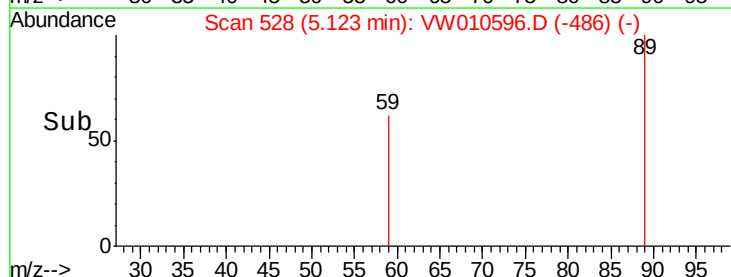
200

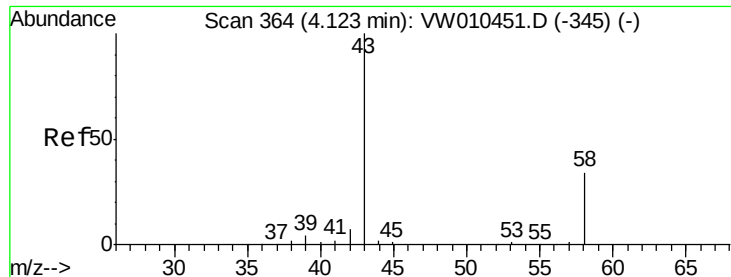
100

0

5.00 5.10 5.20

Time-->

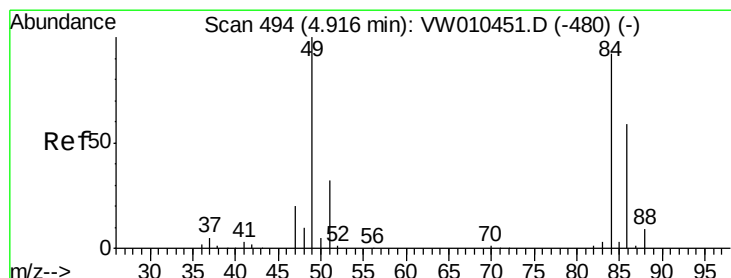
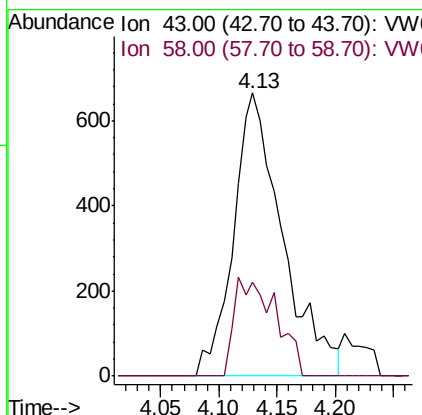
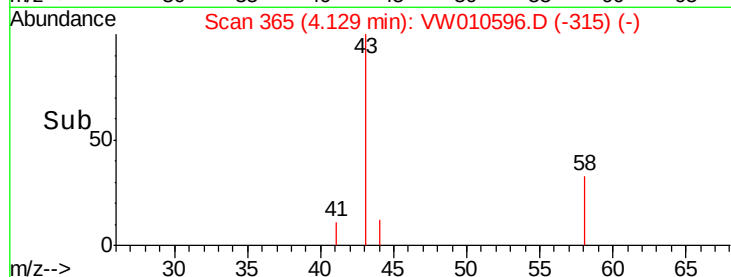
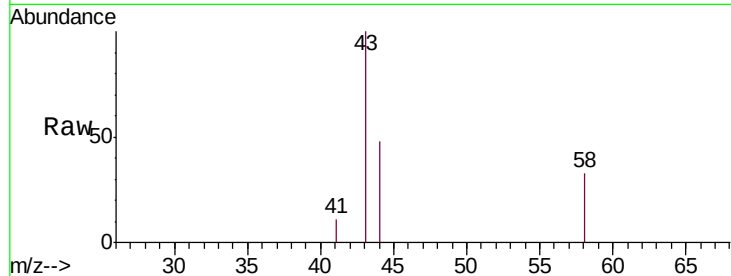




#16
Acetone
Concen: 7.618 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010596.D
Acq: 29 May 2019 17:37

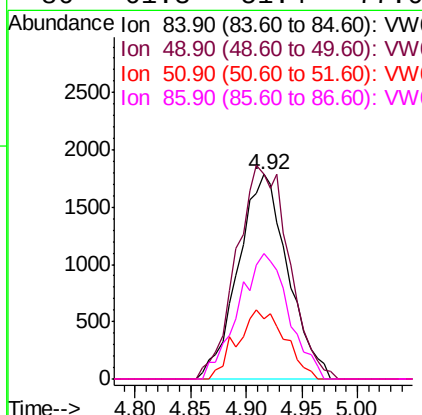
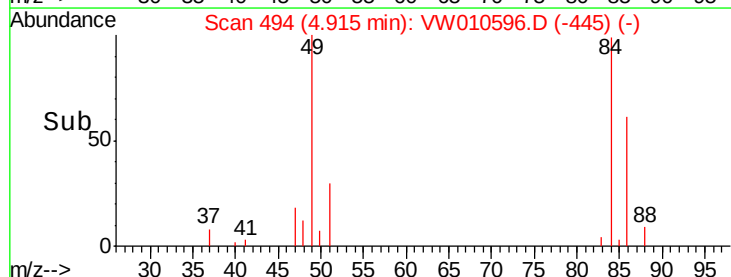
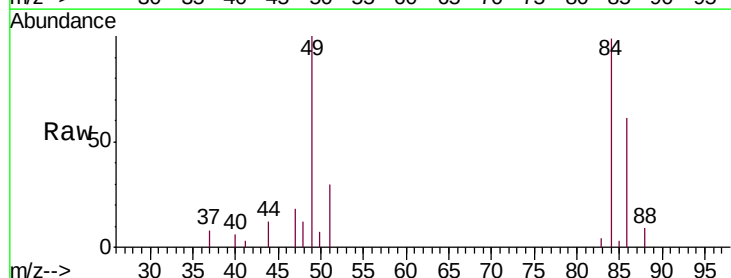
Instrument :
MSVOA_W
ClientSampleId :
TP-4-D2

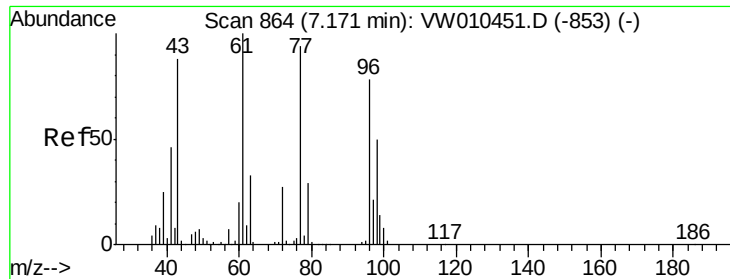
Tgt Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
58 33.1 27.0 40.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010596.D
Acq: 29 May 2019 17:37

Tgt Ion: 84 Resp: 5535
Ion Ratio Lower Upper
84 100
49 100.6 87.2 130.8
51 29.7 27.7 41.5
86 61.3 51.4 77.0





#25

2-Butanone

Concen: 3.267 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

Instrument :

MSVOA_W

ClientSampled :

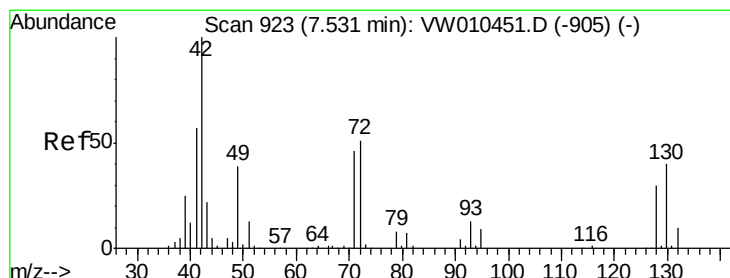
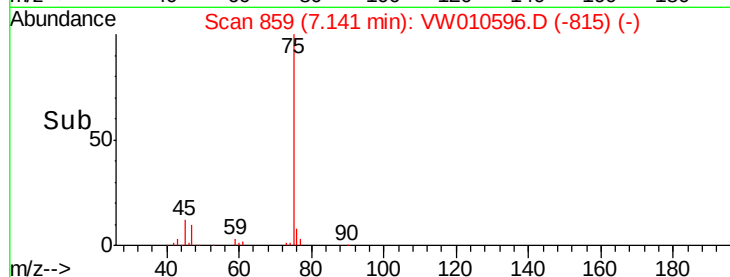
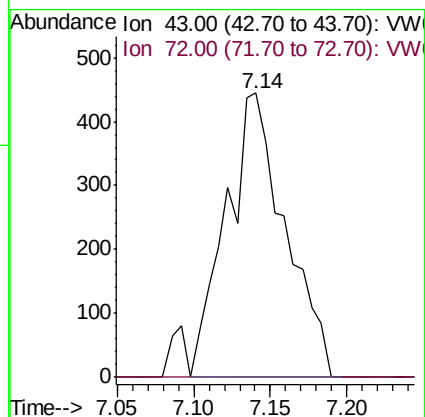
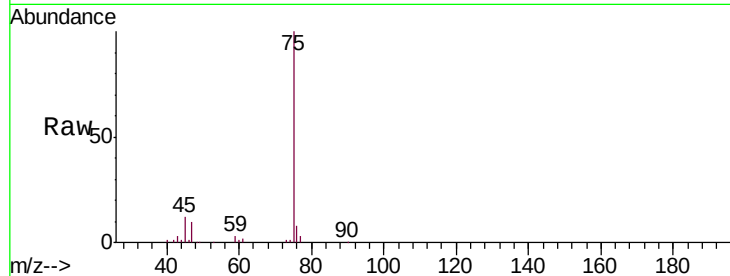
TP-4-D2

Tgt Ion: 43 Resp: 1193

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.902 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

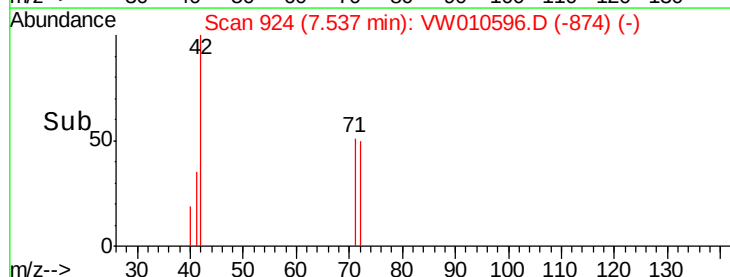
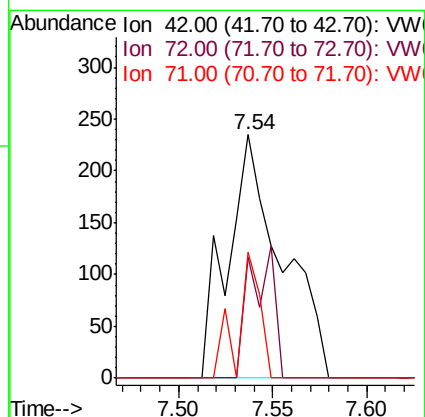
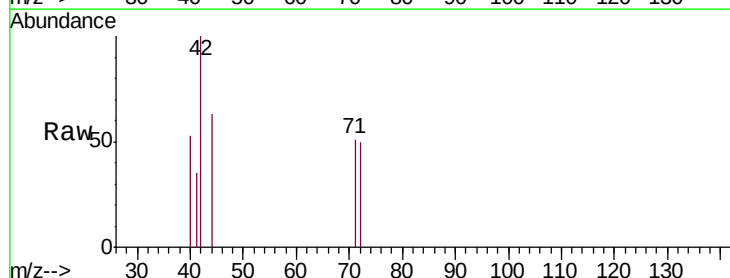
Tgt Ion: 42 Resp: 470

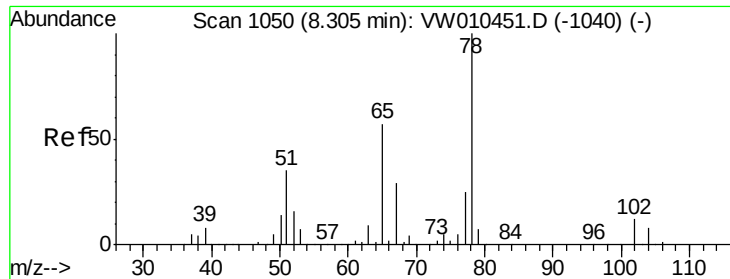
Ion Ratio Lower Upper

42 100

72 24.5 38.5 57.7#

71 20.9 36.5 54.7#

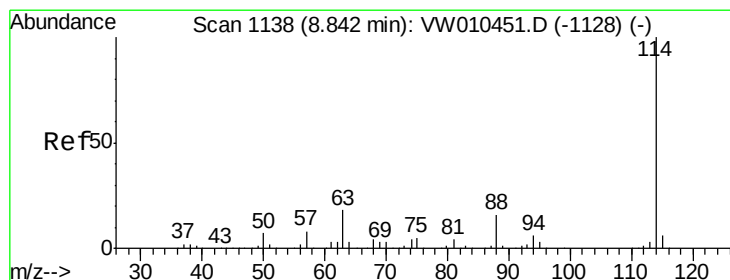
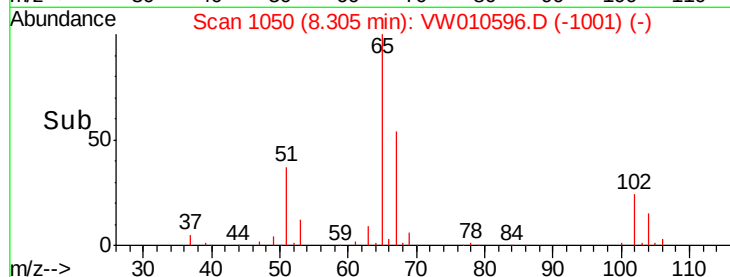
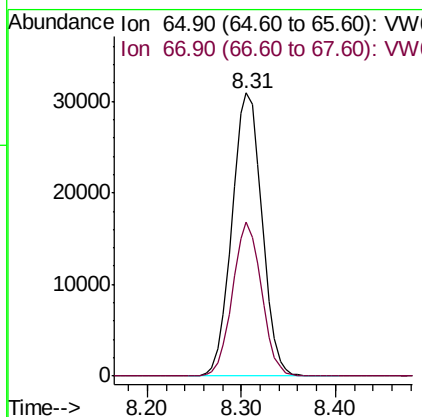
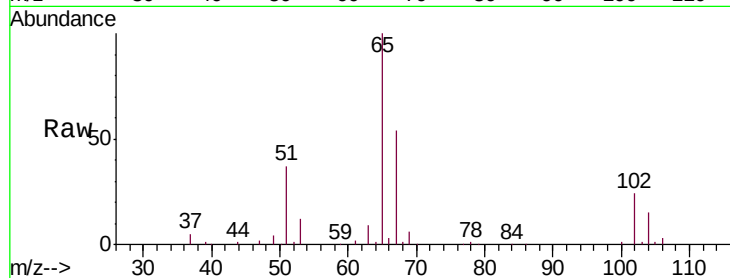




#33
 1,2-Dichloroethane-d4
 Concen: 54.922 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010596.D
 Acq: 29 May 2019 17:37

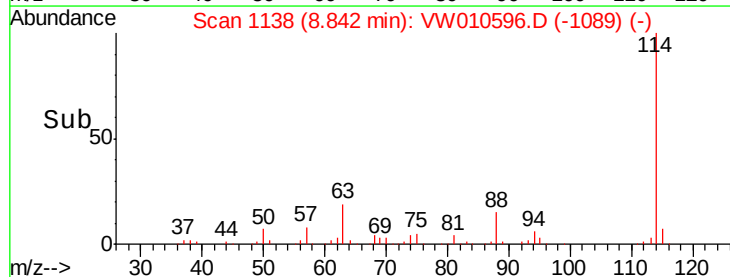
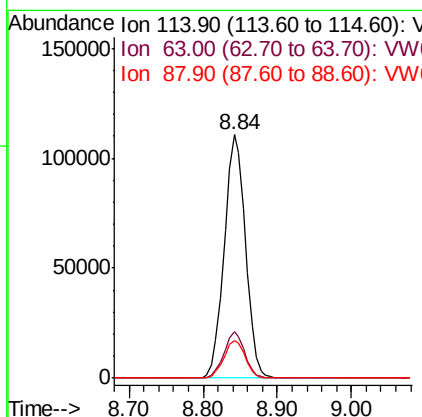
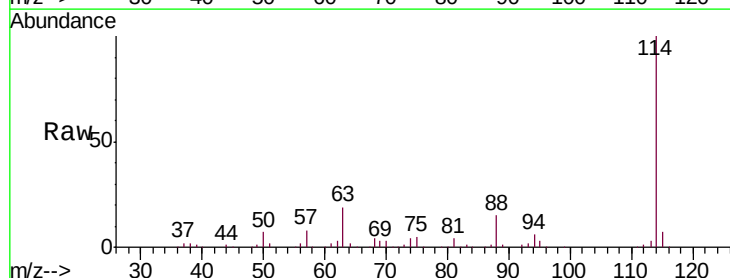
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-D2

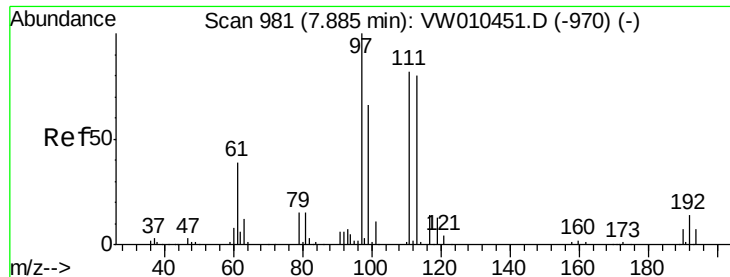
Tgt Ion: 65 Resp: 68661
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010596.D
 Acq: 29 May 2019 17:37

Tgt Ion: 114 Resp: 220212
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.0
 88 15.5 0.0 32.0

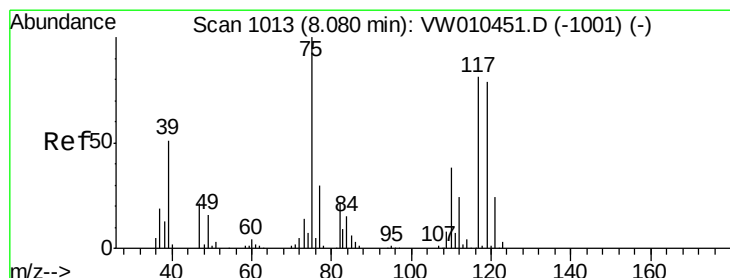
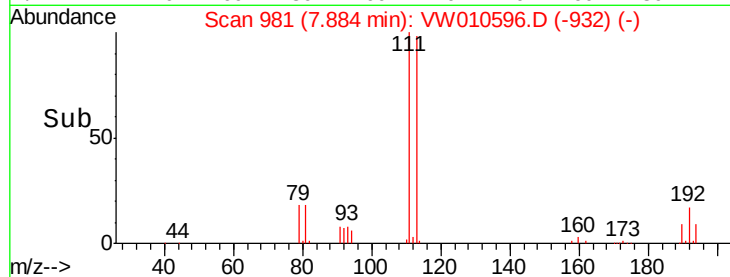
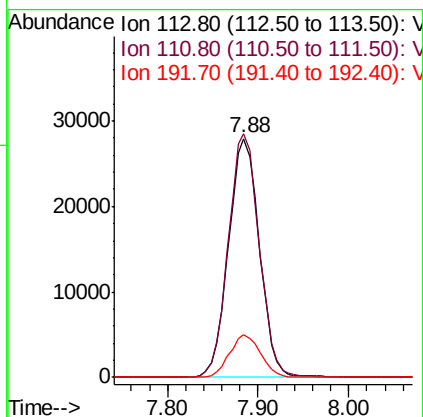
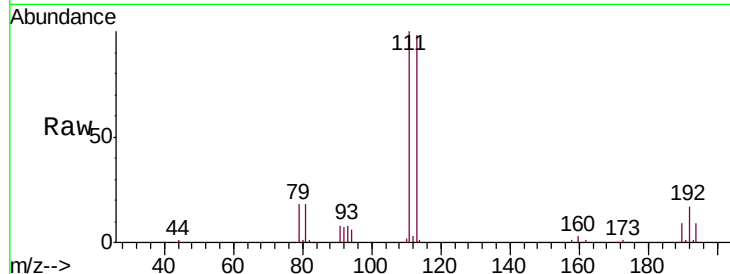




#35
 Dibromofluoromethane
 Concen: 49.419 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010596.D
 Acq: 29 May 2019 17:37

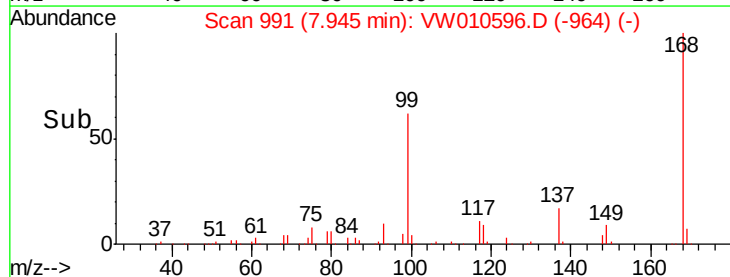
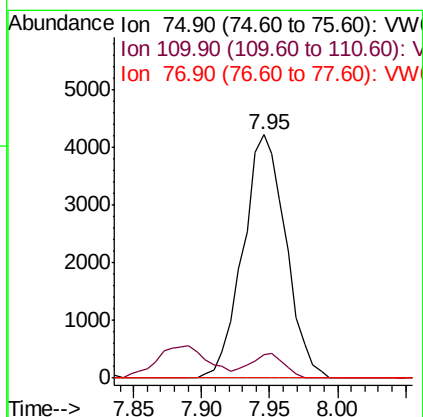
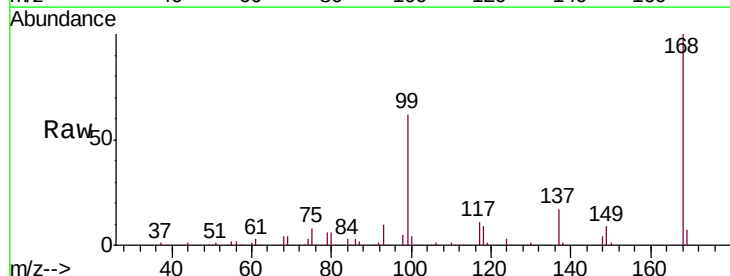
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-D2

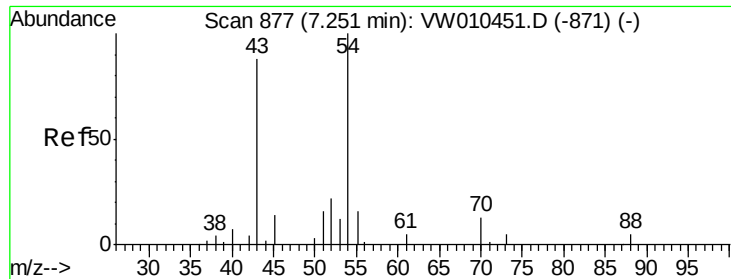
Tgt Ion:113 Resp: 66034
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 17.9 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.530 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010596.D
 Acq: 29 May 2019 17:37

Tgt Ion: 75 Resp: 9293
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.2 57.6#
 77 0.0 25.2 37.8#

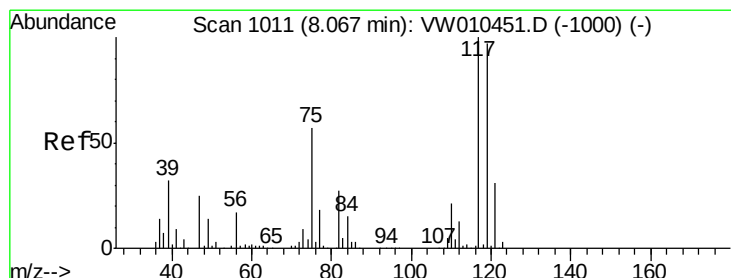
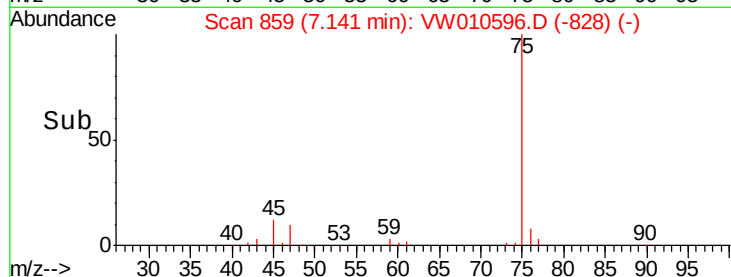
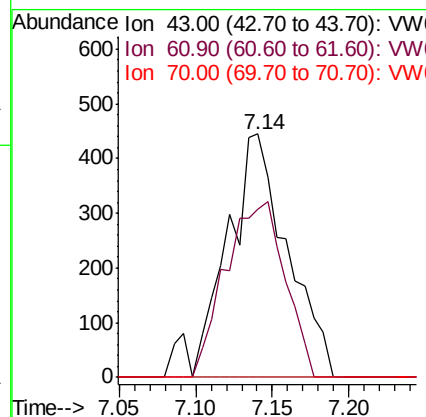
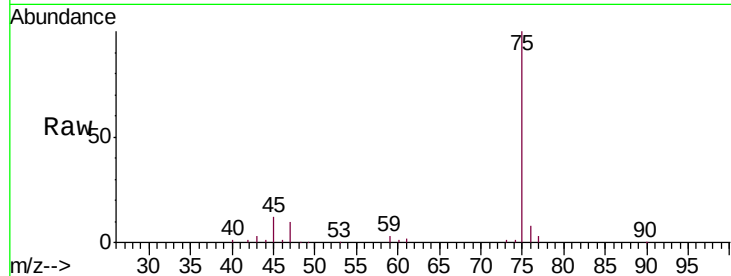




#37
Ethyl Acetate
Concen: 1.368 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW010596.D
Acq: 29 May 2019 17:37

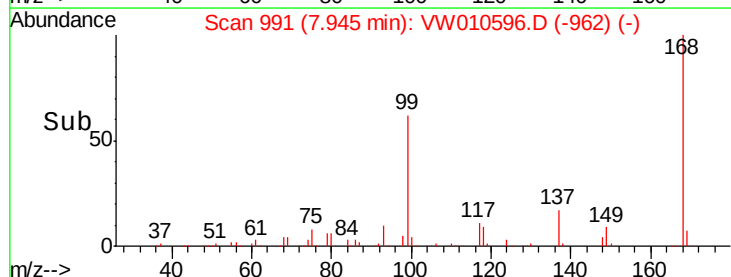
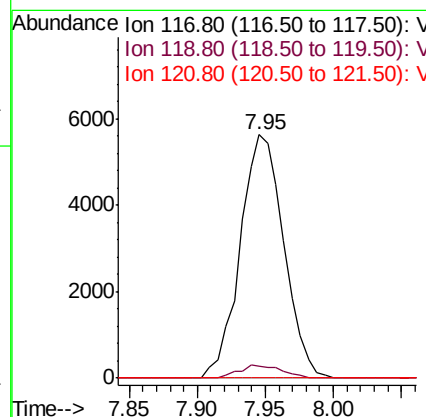
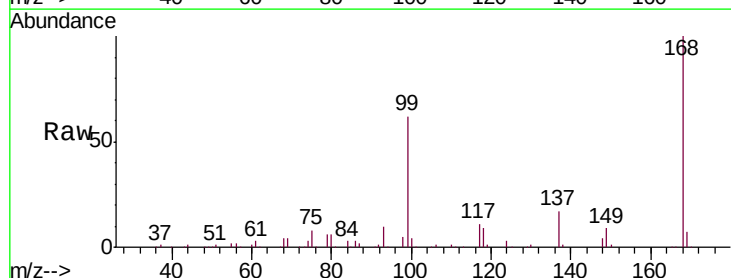
Instrument :
MSVOA_W
ClientSampleId :
TP-4-D2

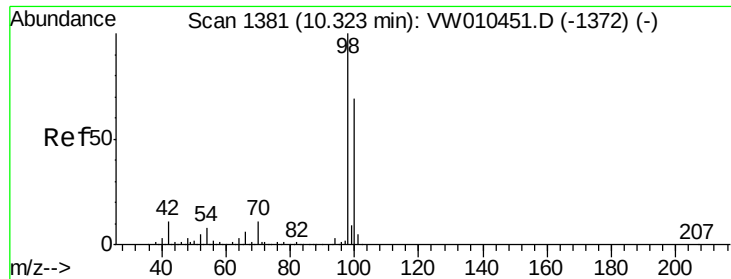
Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
61 72.8 11.2 16.8#
70 0.0 9.9 14.9#



#38
Carbon Tetrachloride
Concen: 5.683 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010596.D
Acq: 29 May 2019 17:37

Tgt Ion: 117 Resp: 12575
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 52.211 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

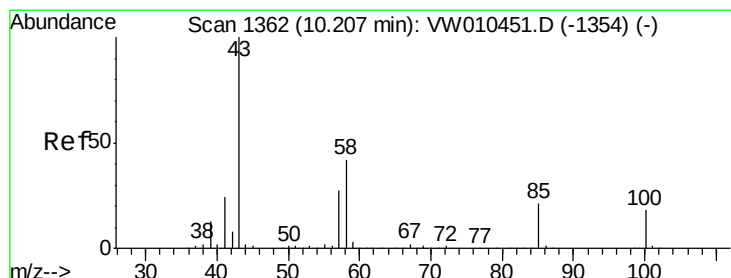
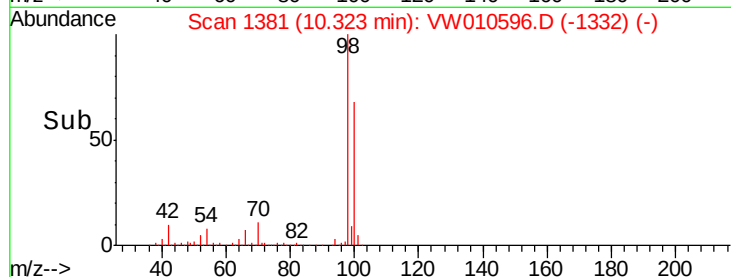
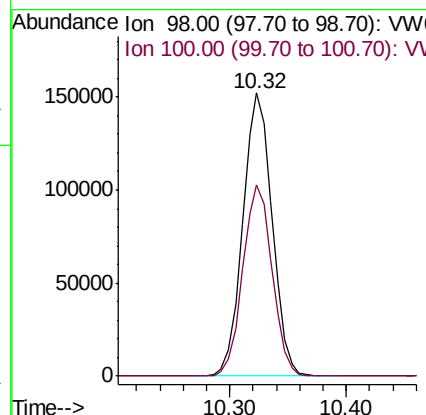
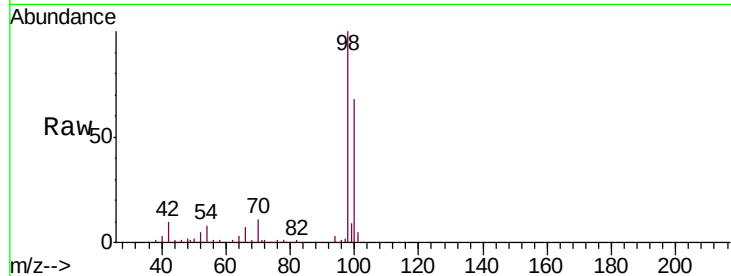
TP-4-D2

Tgt Ion: 98 Resp: 266516

Ion Ratio Lower Upper

98 100

100 67.8 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.273 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW010596.D

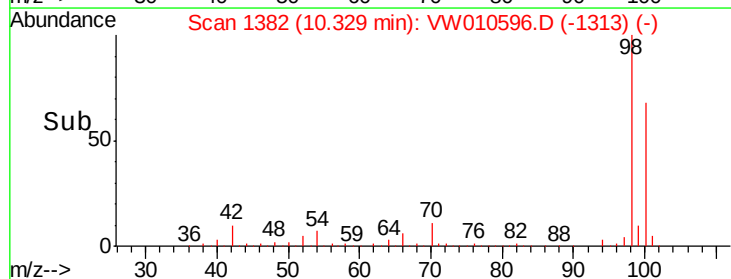
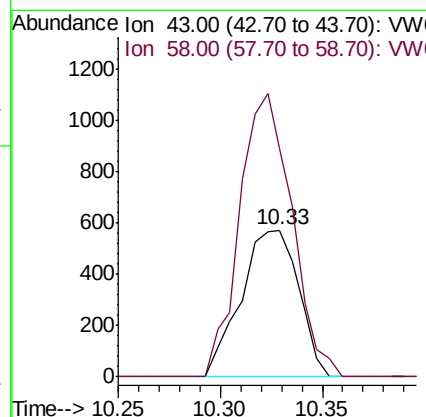
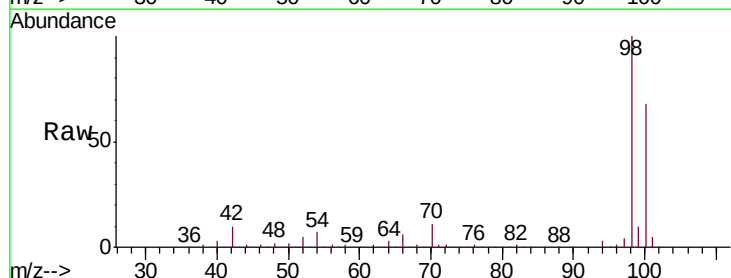
Acq: 29 May 2019 17:37

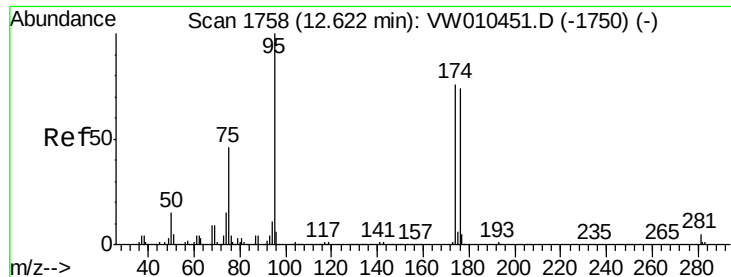
Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

58 174.5 33.2 49.8#





#62

4-Bromofluorobenzene

Concen: 48.682 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

TP-4-D2

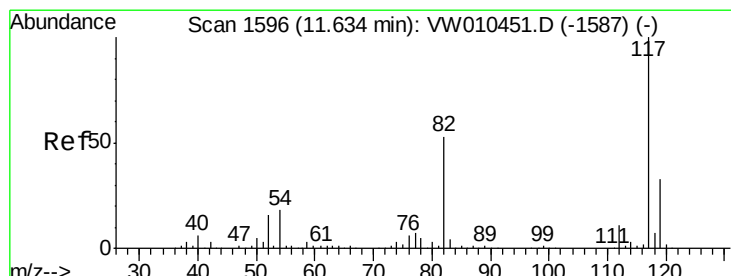
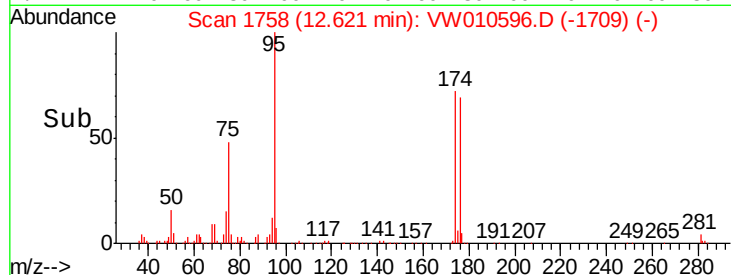
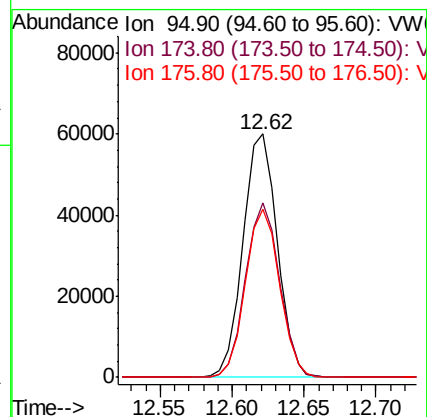
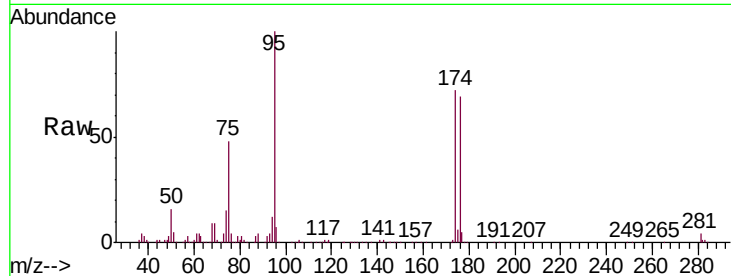
Tgt Ion: 95 Resp: 98982

Ion Ratio Lower Upper

95 100

174 71.1 0.0 148.6

176 68.5 0.0 144.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

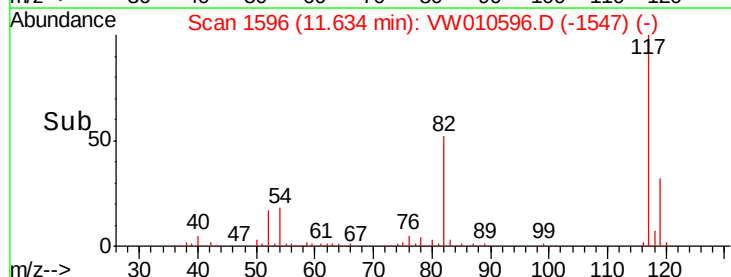
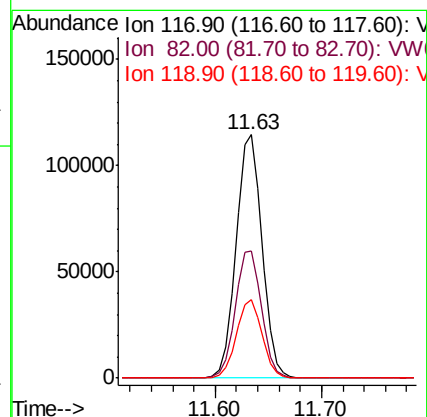
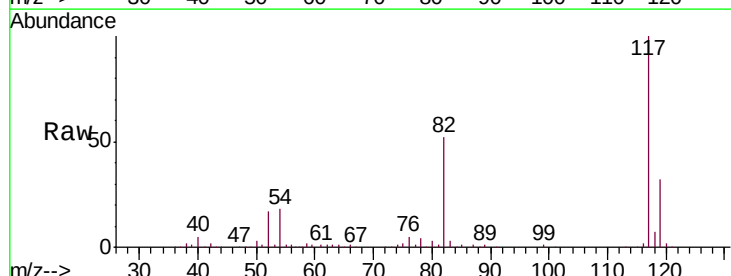
Tgt Ion: 117 Resp: 196272

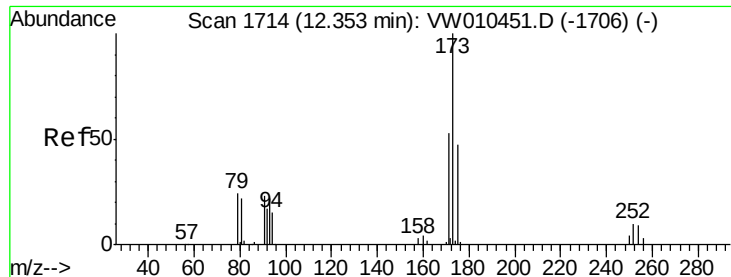
Ion Ratio Lower Upper

117 100

82 52.1 42.8 64.2

119 32.4 26.3 39.5





#71

Bromoform

Concen: 1.007 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.27 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

TP-4-D2

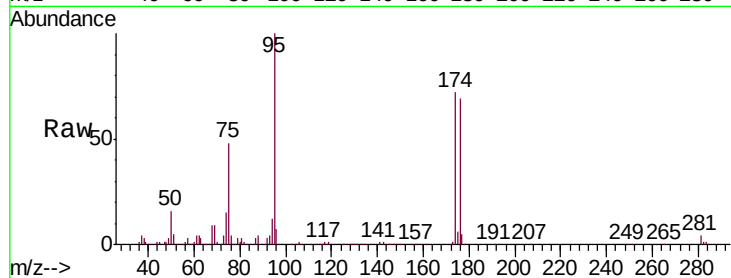
Tgt Ion:173 Resp: 831

Ion Ratio Lower Upper

173 100

175 515.9 24.4 73.4#

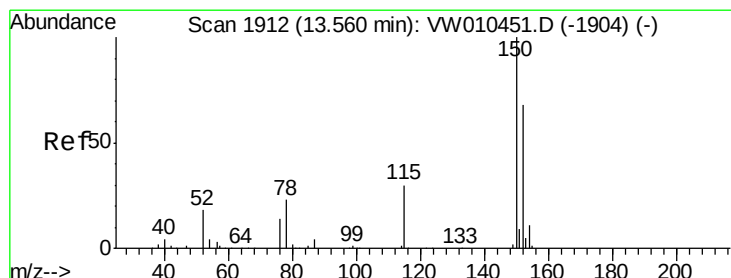
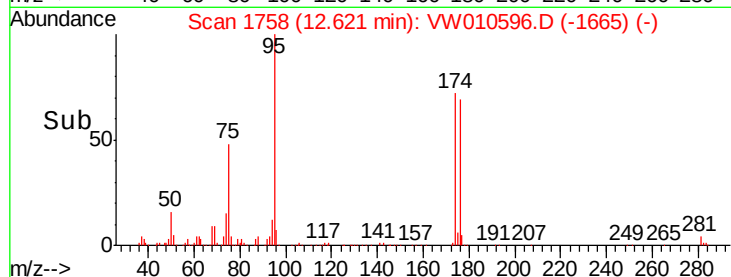
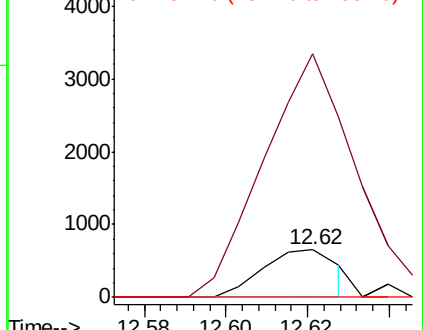
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

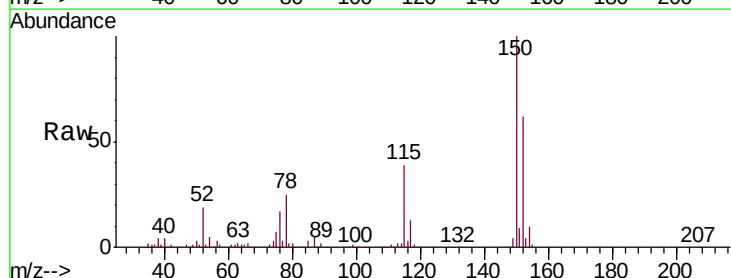
Tgt Ion:152 Resp: 84393

Ion Ratio Lower Upper

152 100

115 62.9 30.3 91.0

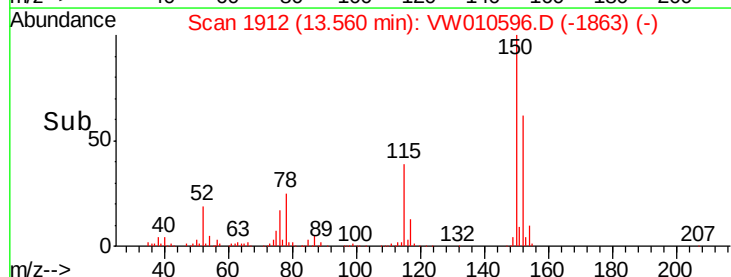
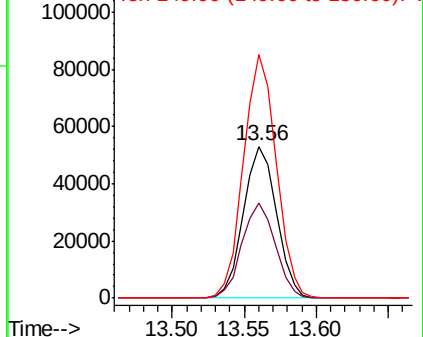
150 158.8 0.0 349.8

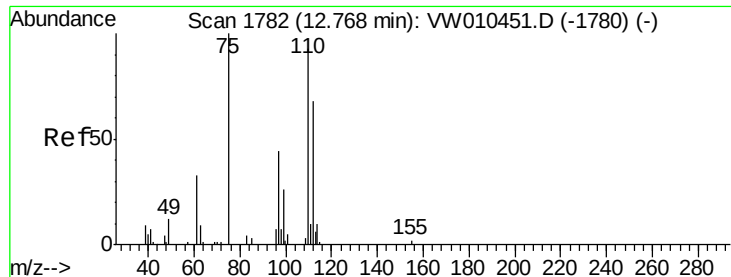


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.311 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

Instrument :

MSVOA_W

ClientSampled :

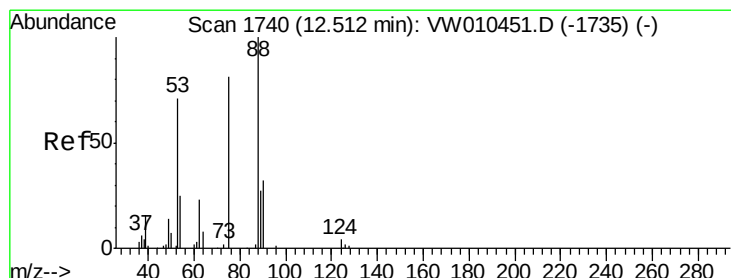
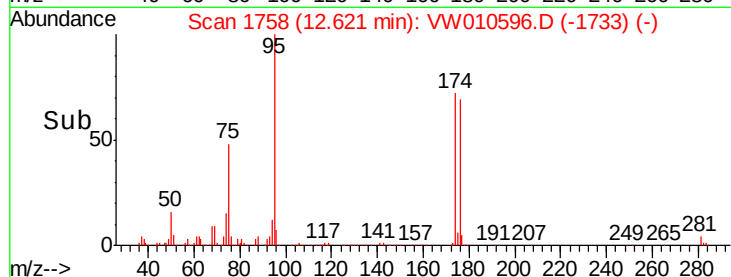
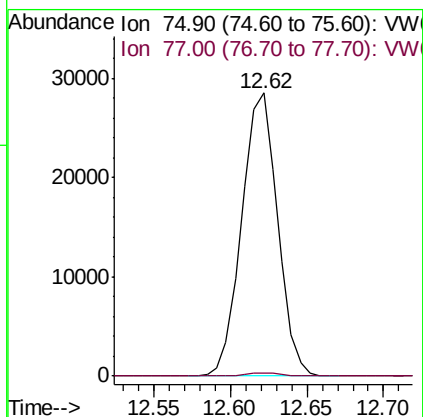
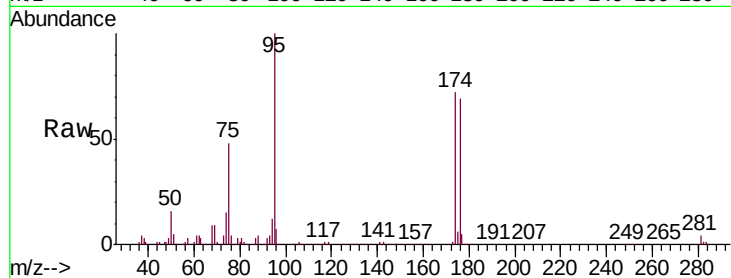
TP-4-D2

Tgt Ion: 75 Resp: 46525

Ion Ratio Lower Upper

75 100

77 1.3 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.348 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010596.D

Acq: 29 May 2019 17:37

Tgt Ion: 75 Resp: 46525

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

