

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013339.D
 Acq On : 30 Sep 2019 17:53
 Operator : SY/VA
 Sample : K5083-08
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 18:23:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	342345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	513485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	437676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	200372	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	146875	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	7.88	113	147683	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
50) Toluene-d8	10.32	98	593099	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.62	95	191757	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

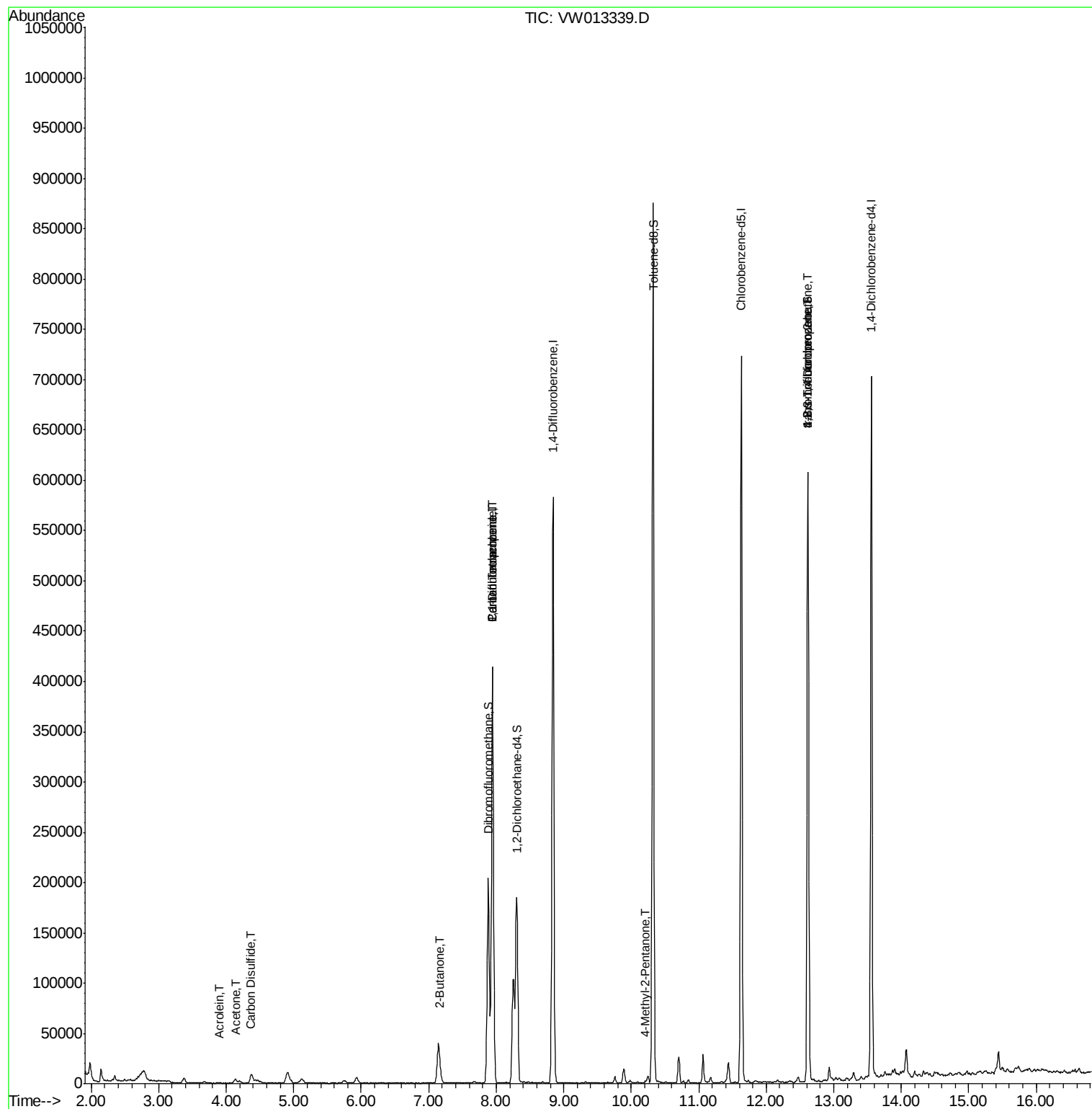
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	195	Below Cal	#	61
13) Acrolein	3.89	56	398	2.475	ug/l #	50
16) Acetone	4.14	43	8382	13.303	ug/l	99
17) Carbon Disulfide	4.37	76	20811	2.263	ug/l #	93
20) Methylene Chloride	4.91	84	8486	Below Cal	#	84
25) 2-Butanone	7.17	43	4071	4.304	ug/l #	74
26) 2,2-Dichloropropane	7.15	77	2864	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	20892	4.201	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28945	6.492	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	2367	1.165	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	90890	51.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90890	115.255	ug/l #	12

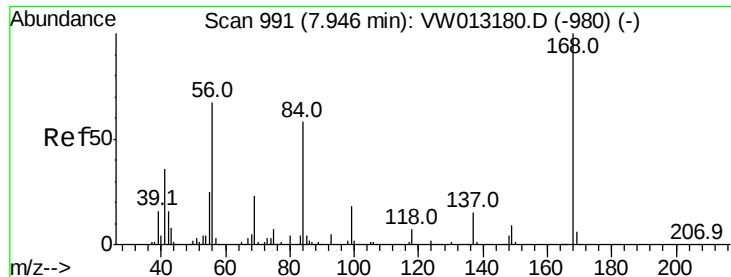
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

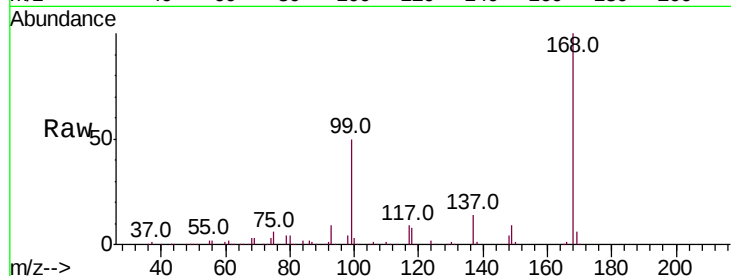
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 342345

Ion Ratio Lower Upper

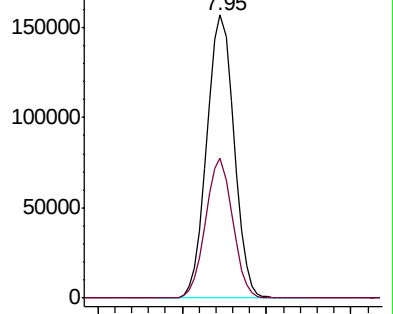
168 100

99 49.6 40.2 60.4

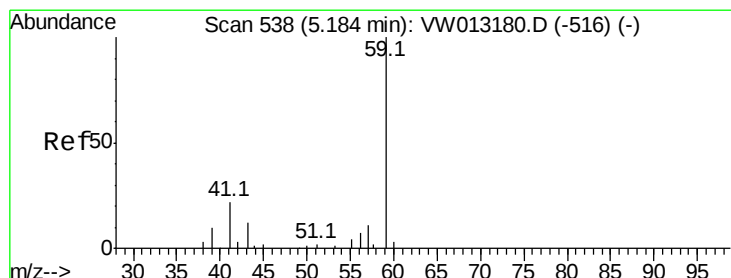
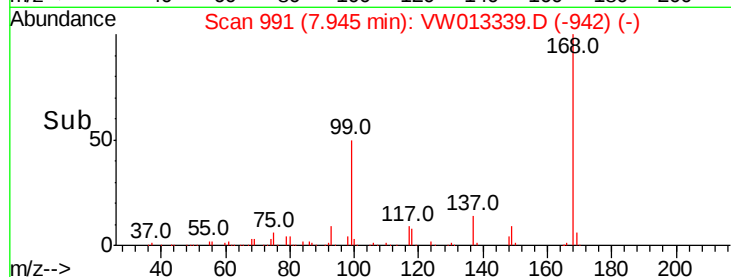


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. -0.01 min

Lab File: VW013339.D

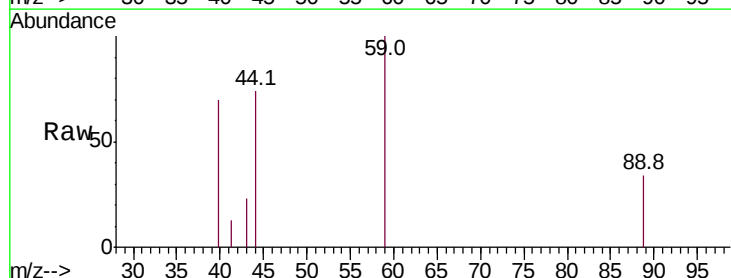
Acq: 30 Sep 2019 17:53

Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

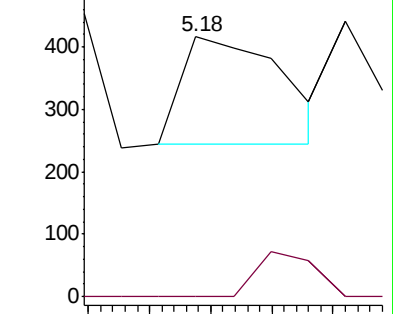
59 100

57 24.6 8.2 12.2#

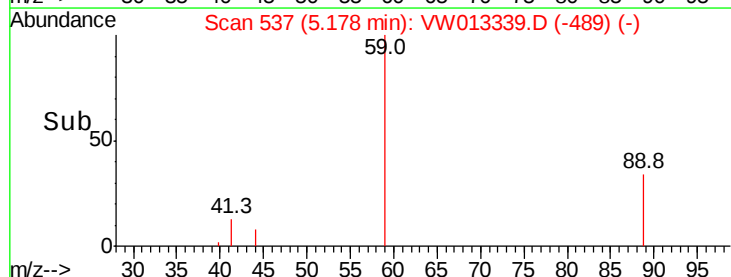


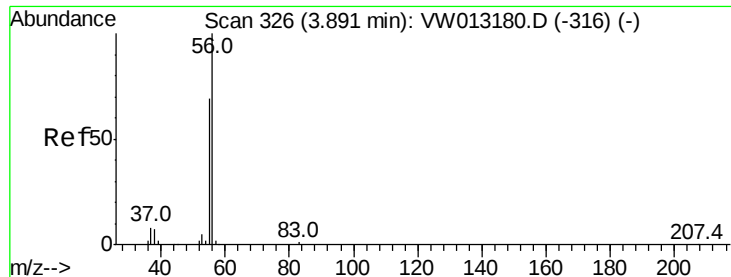
Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->





#13

Acrolein

Concen: 2.475 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_W

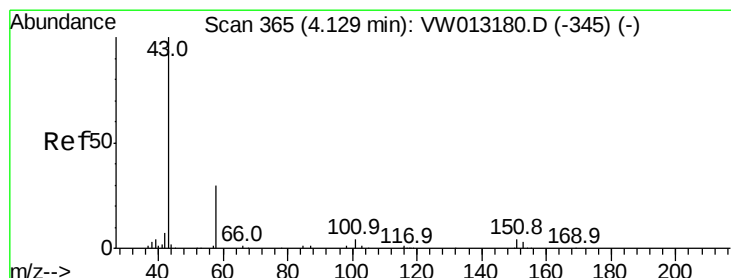
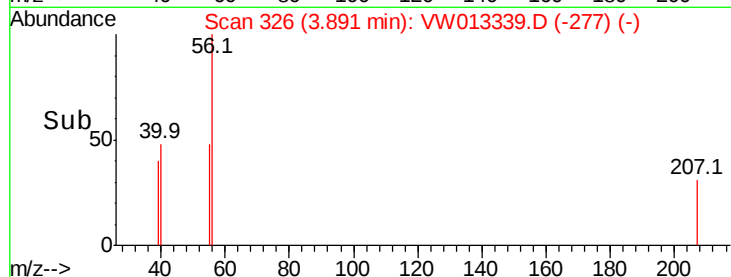
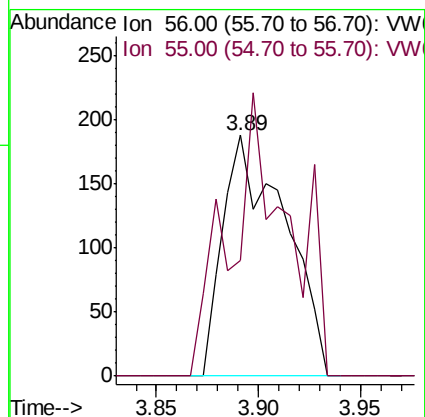
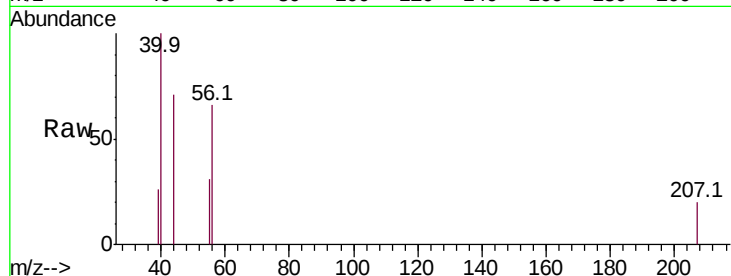
ClientSampleId :

Tot Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 110.3 55.4 83.0#



#16

Acetone

Concen: 13.303 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013339.D

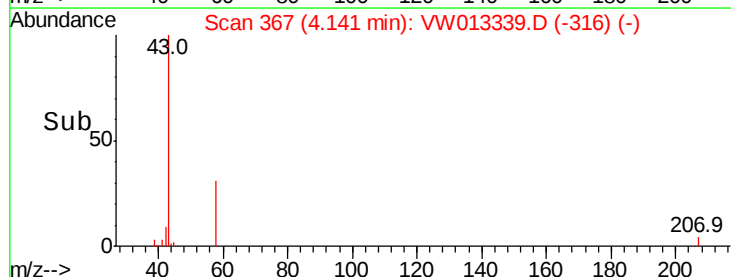
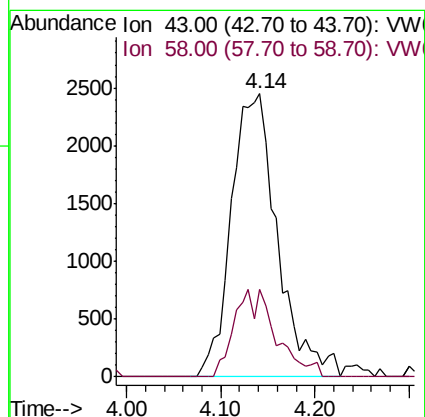
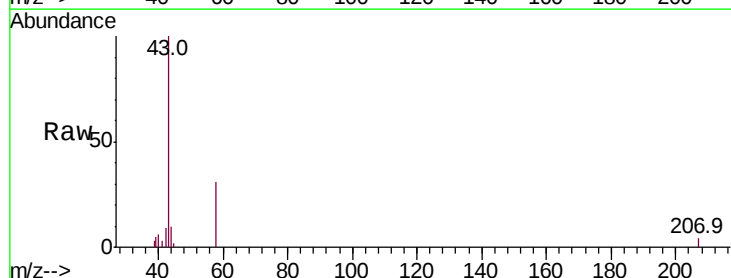
Acq: 30 Sep 2019 17:53

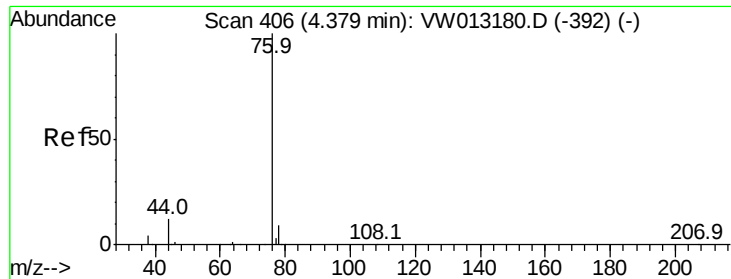
Tgt Ion: 43 Resp: 8382

Ion Ratio Lower Upper

43 100

58 30.8 24.1 36.1

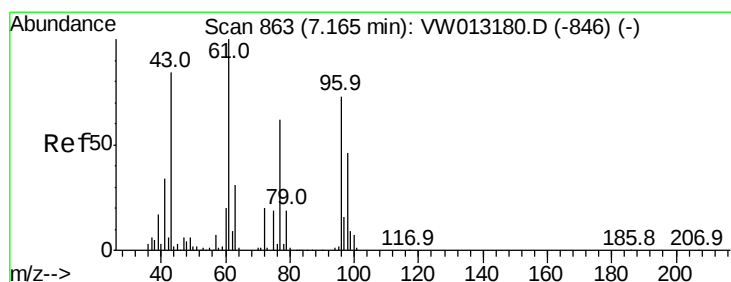
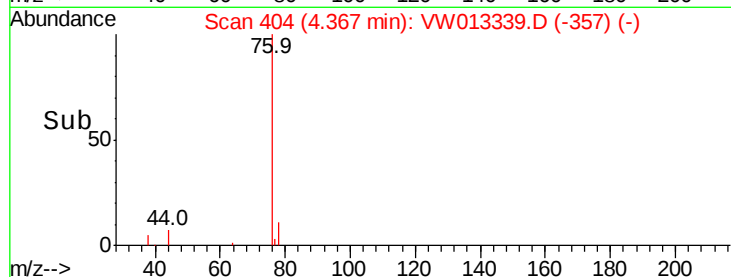
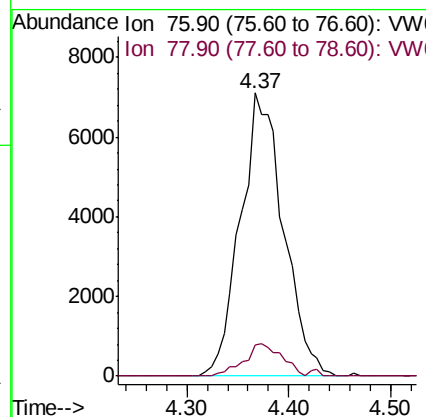
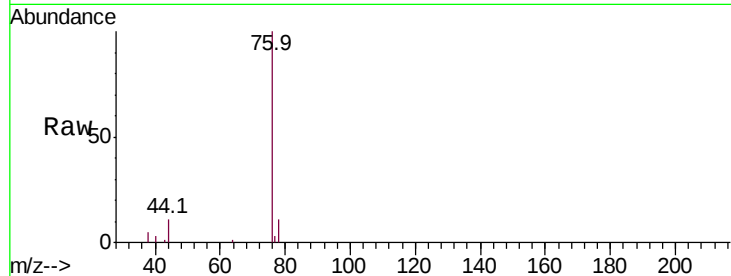




#17
Carbon Disulfide
Concen: 2.263 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW013339.D
Acq: 30 Sep 2019 17:53

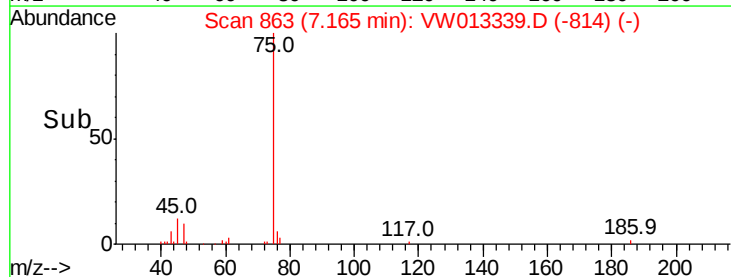
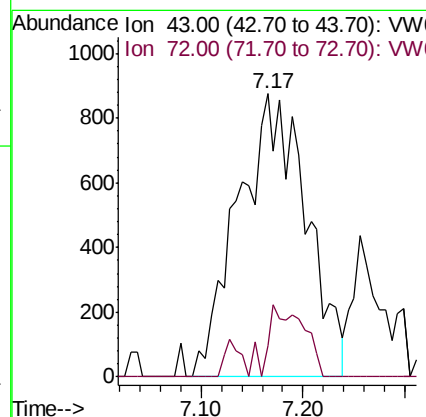
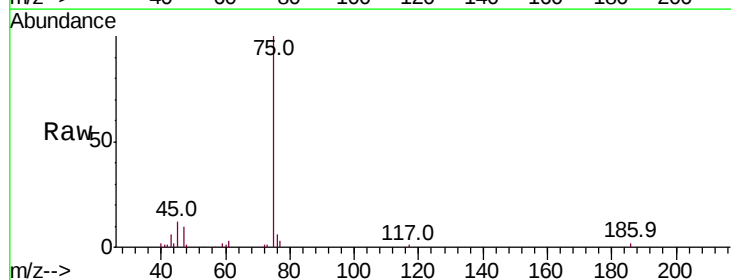
Instrument :
MSVOA_W
ClientSampled :

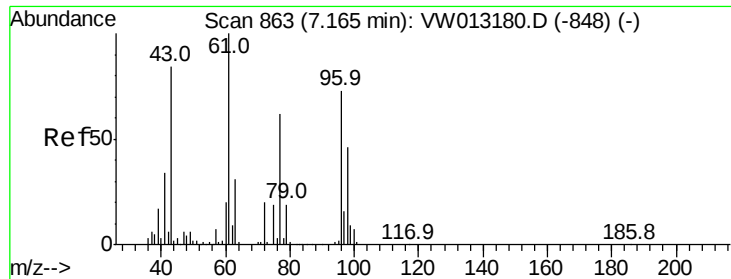
Tot Ion: 76 Resp: 20811
Ion Ratio Lower Upper
76 100
78 11.1 7.0 10.4#



#25
2-Butanone
Concen: 4.304 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013339.D
Acq: 30 Sep 2019 17:53

Tgt Ion: 43 Resp: 4071
Ion Ratio Lower Upper
43 100
72 11.1 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

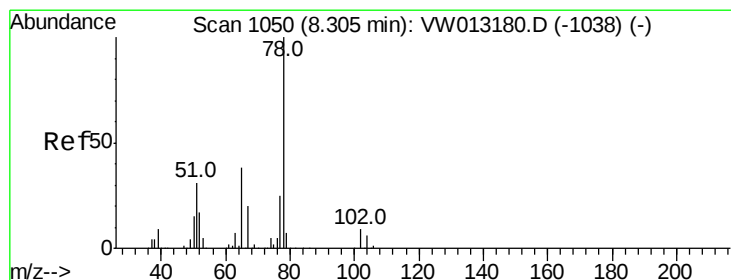
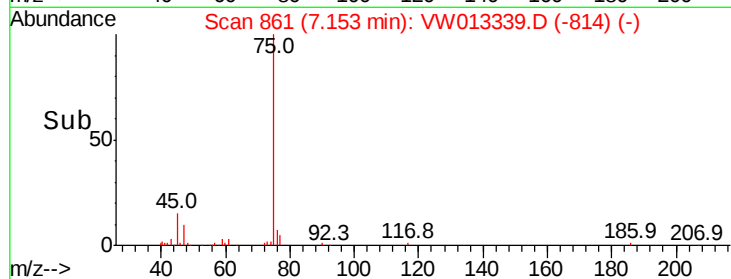
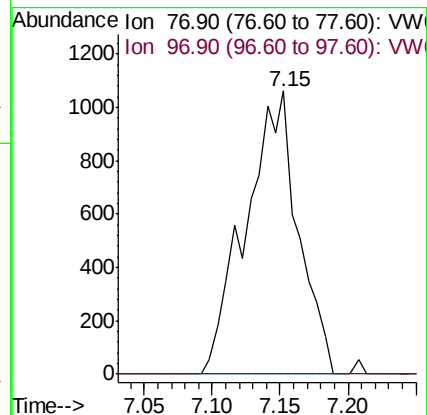
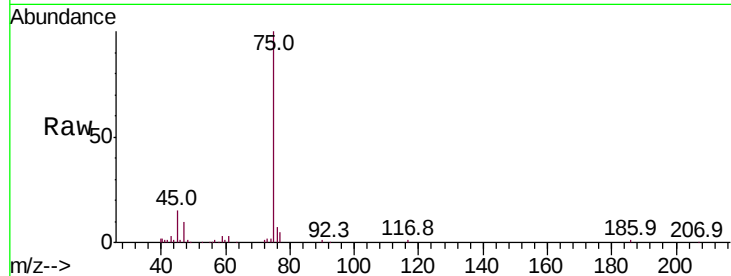
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 2864

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#33

1,2-Dichloroethane-d4

Concen: 52.567 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013339.D

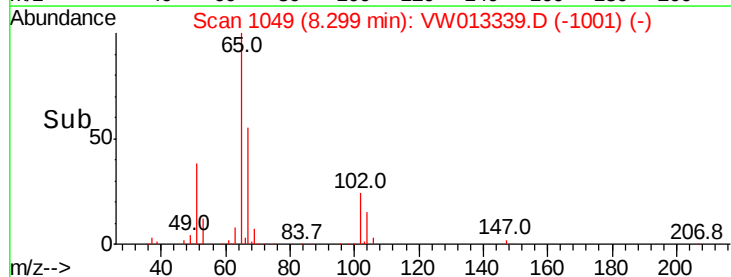
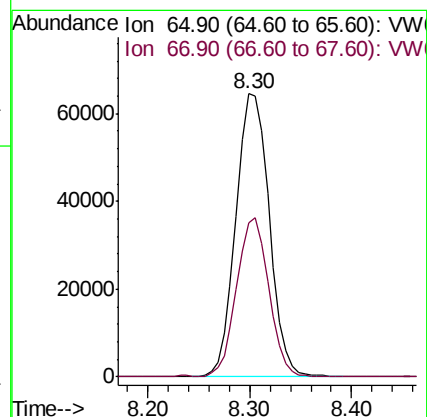
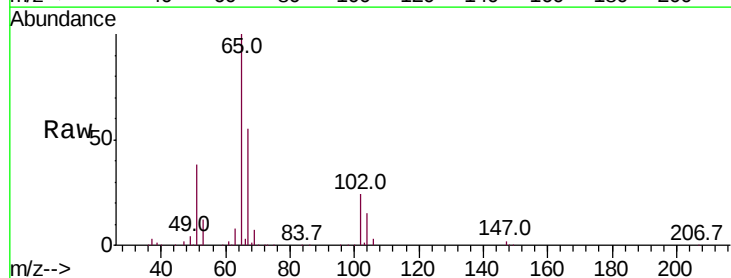
Acq: 30 Sep 2019 17:53

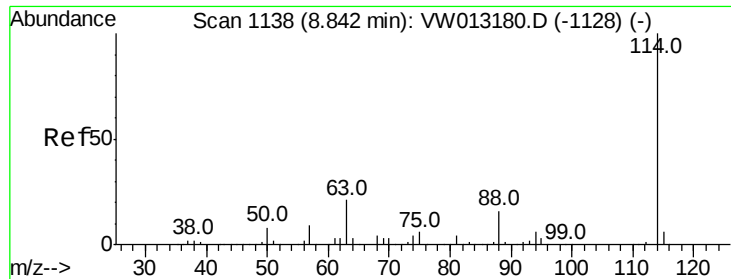
Tgt Ion: 65 Resp: 146875

Ion Ratio Lower Upper

65 100

67 54.4 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: VW013339.D

Acq: 30 Sep 2019 17:53

Instrument :
MSVOA_W
ClientSampleId :

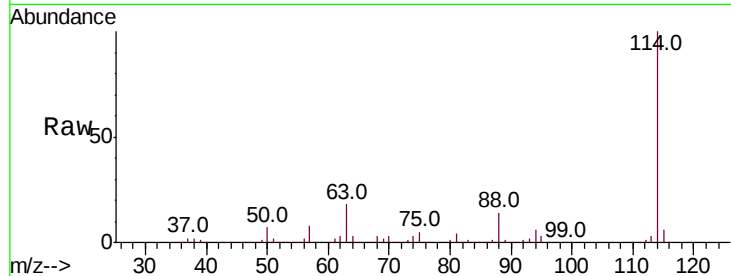
Tot Ion:114 Resp: 513485

Ion Ratio Lower Upper

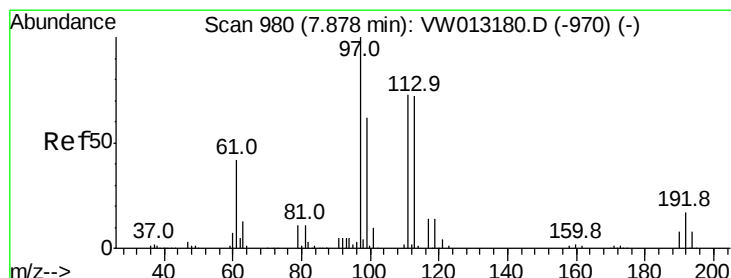
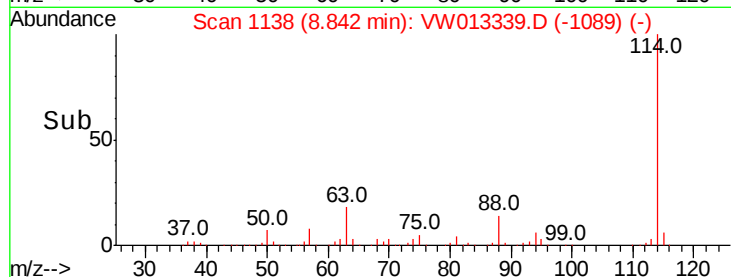
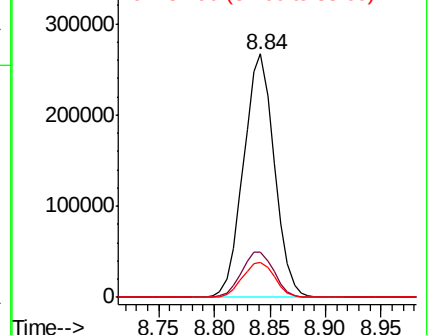
114 100

63 18.4 0.0 41.4

88 14.3 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: 52.293 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

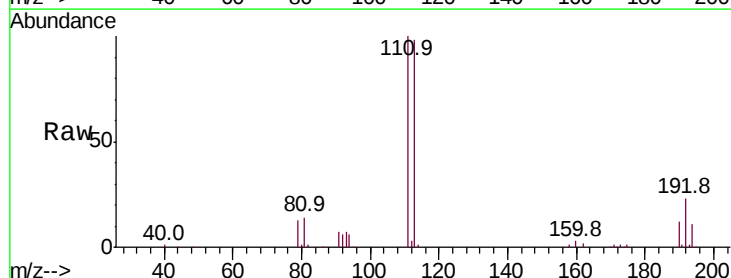
Tgt Ion:113 Resp: 147683

Ion Ratio Lower Upper

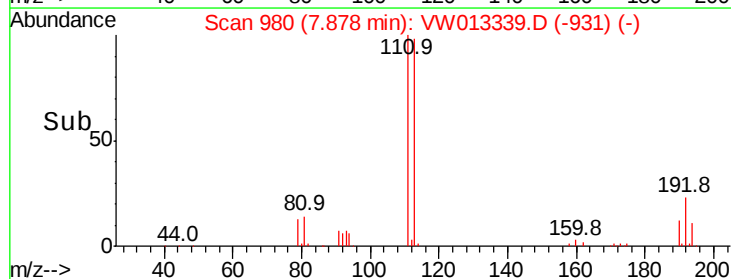
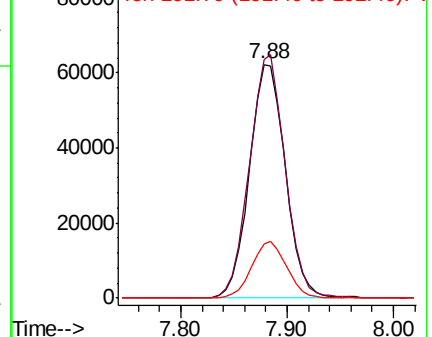
113 100

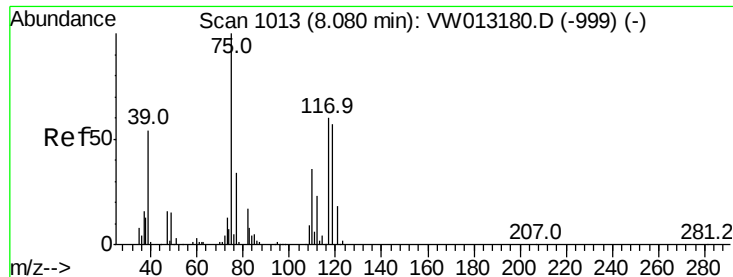
111 103.3 81.9 122.9

192 23.5 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: 4.201 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

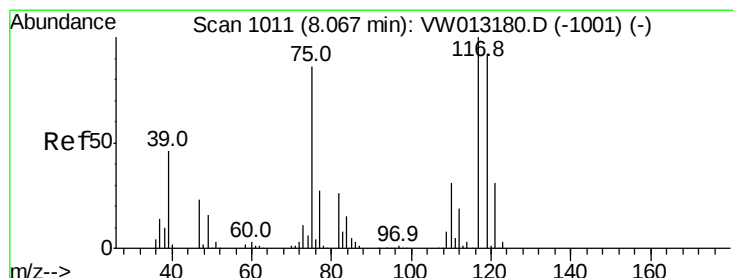
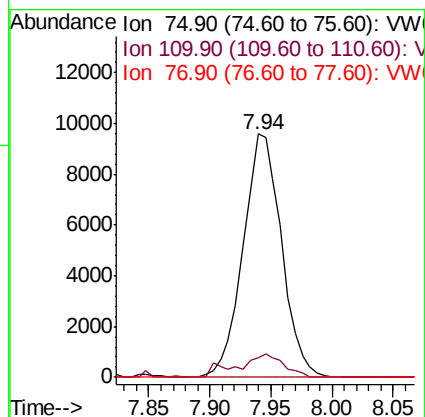
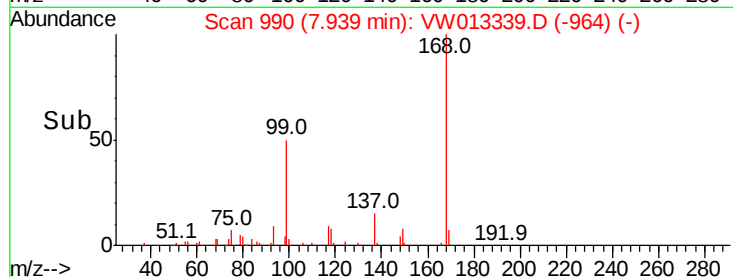
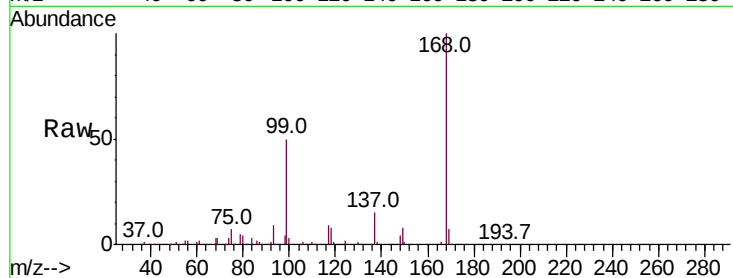
Tot Ion: 75 Resp: 20892

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

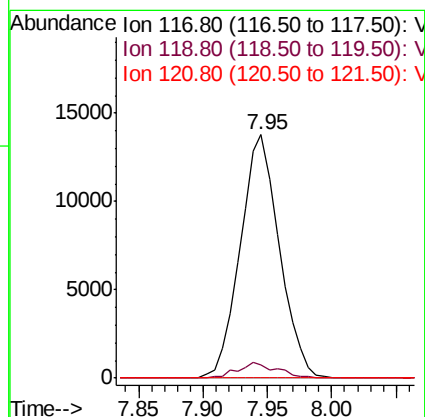
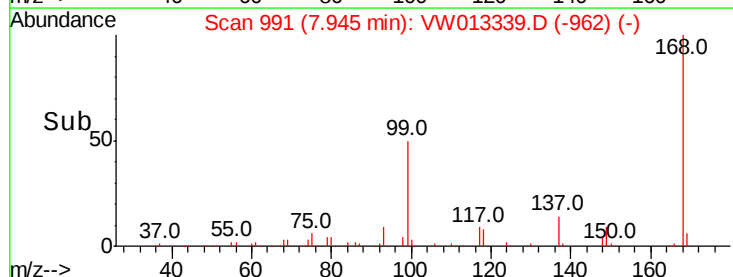
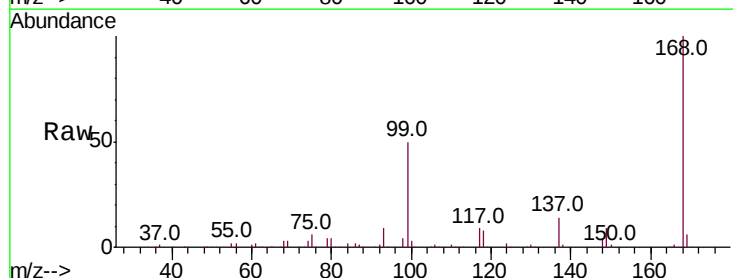
Tgt Ion: 117 Resp: 28945

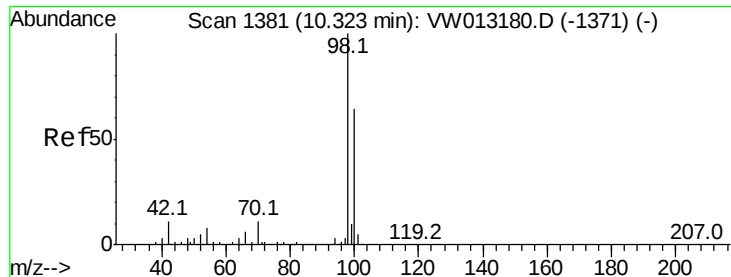
Ion Ratio Lower Upper

117 100

119 5.5 73.5 110.3#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 50.180 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_W

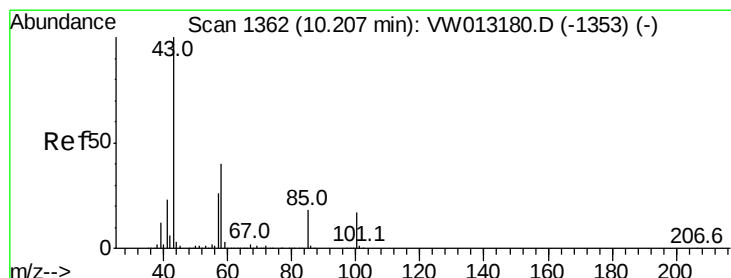
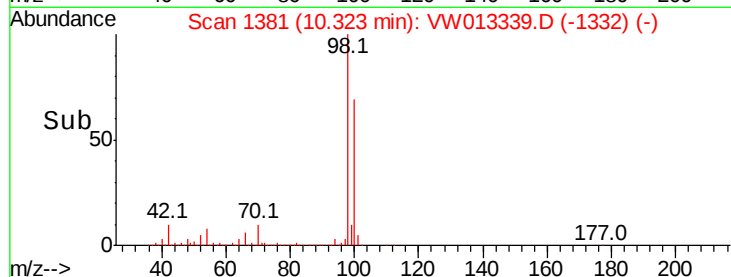
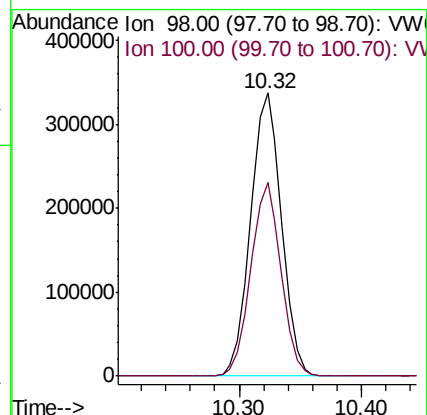
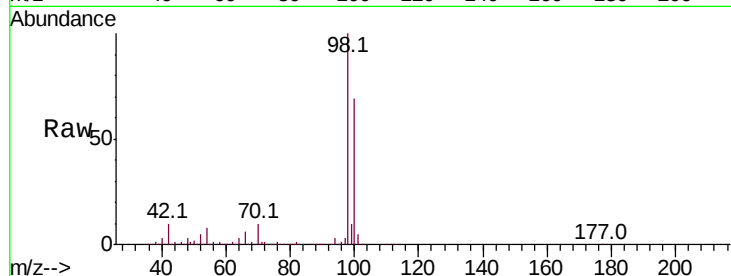
ClientSampleId :

Tot Ion: 98 Resp: 593099

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.165 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013339.D

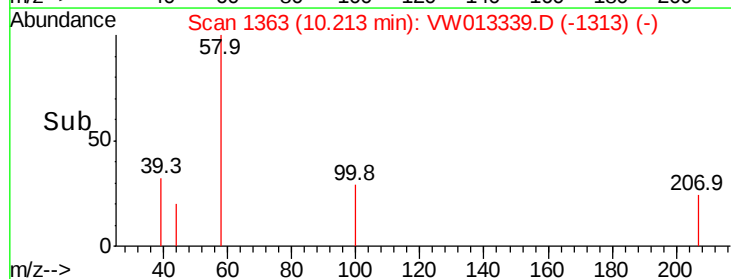
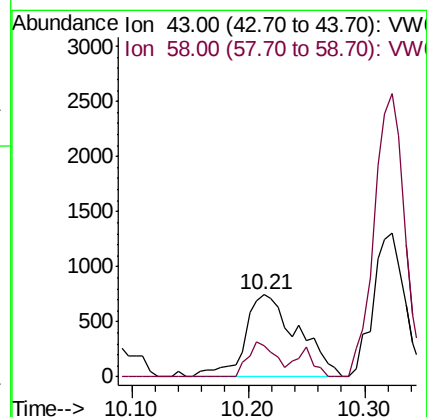
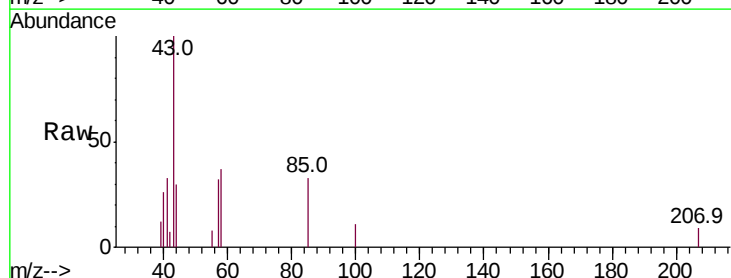
Acq: 30 Sep 2019 17:53

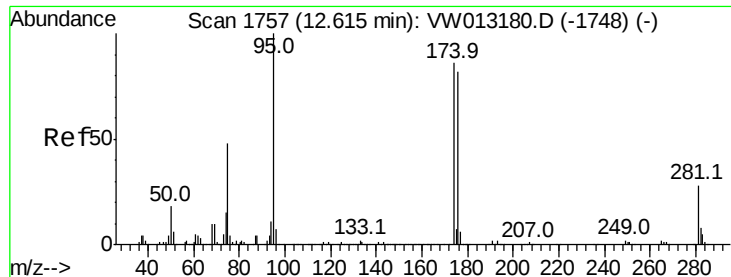
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

58 21.8 31.7 47.5#

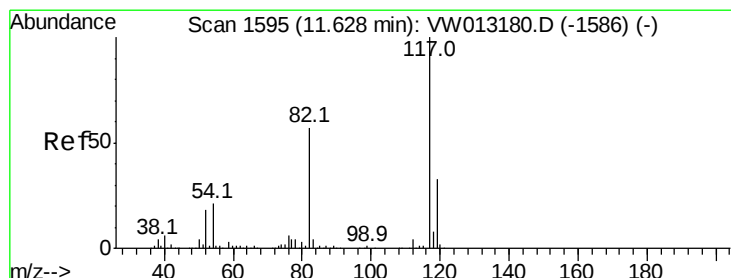
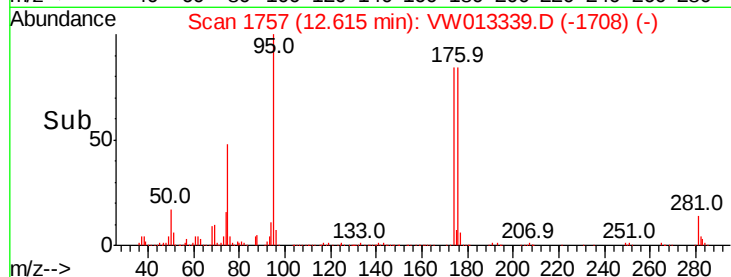
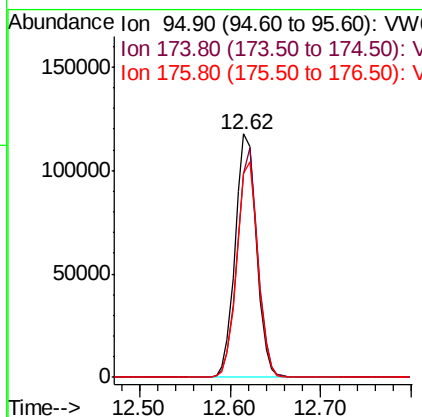
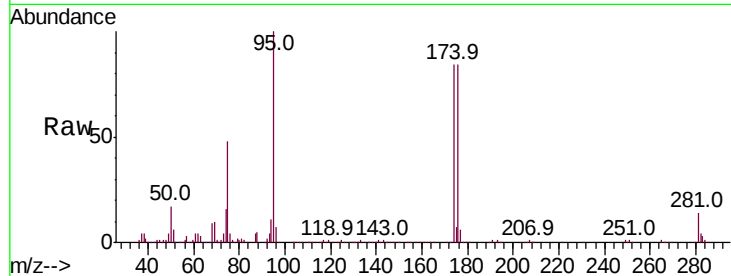




#62
4-Bromofluorobenzene
Concen: 47.495 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013339.D
Acq: 30 Sep 2019 17:53

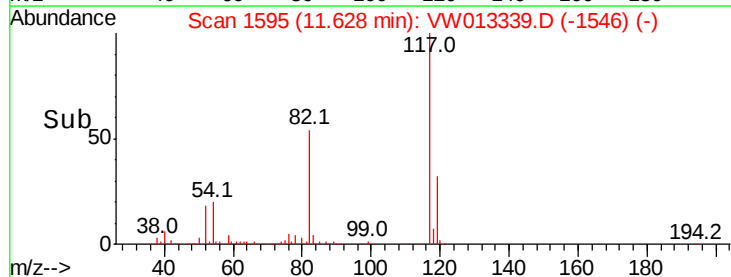
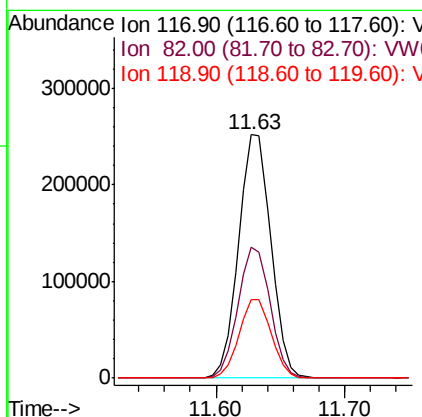
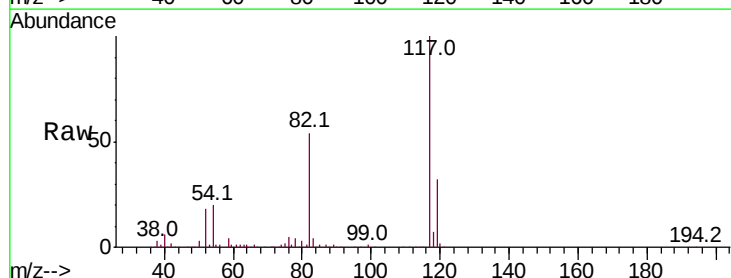
Instrument :
MSVOA_W
ClientSampleId :

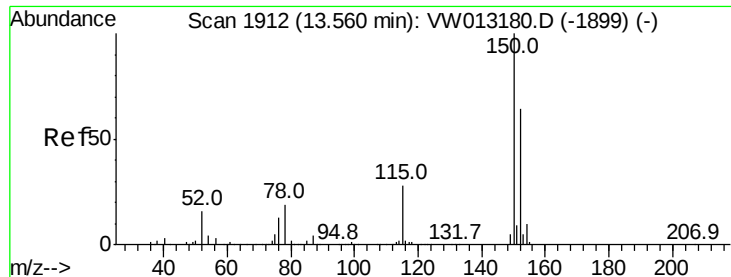
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	178.4
176	87.6	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013339.D
Acq: 30 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.9	68.9
119	32.3	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_W

ClientSampled :

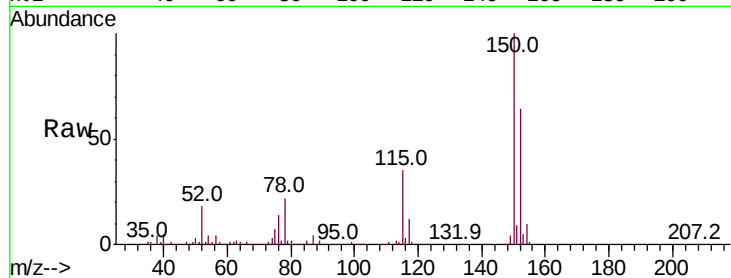
Tot Ion:152 Resp: 200372

Ion Ratio Lower Upper

152 100

115 54.3 27.3 81.9

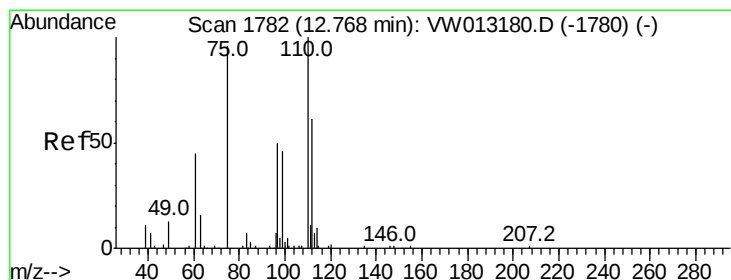
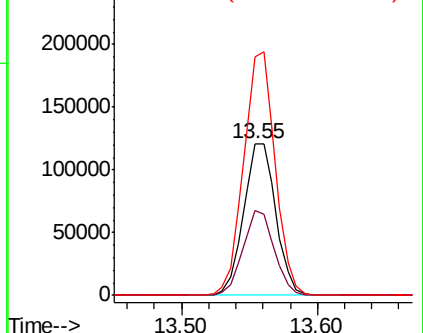
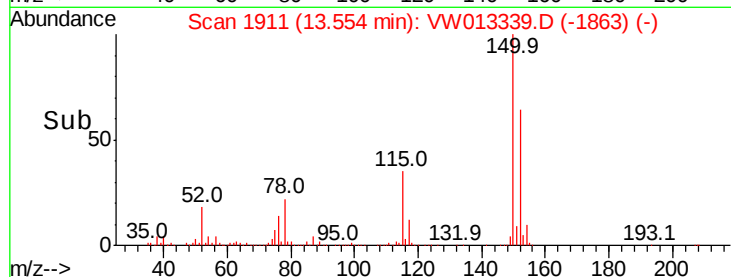
150 156.9 0.0 349.0



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: 51.363 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013339.D

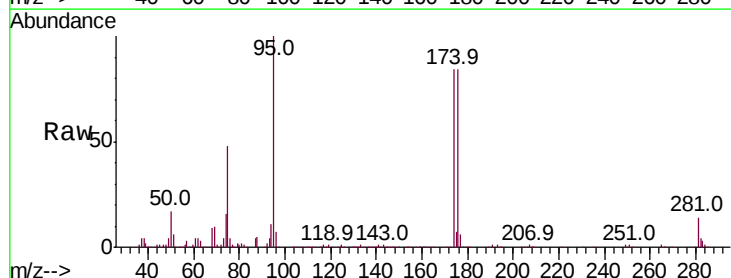
Acq: 30 Sep 2019 17:53

Tgt Ion: 75 Resp: 90890

Ion Ratio Lower Upper

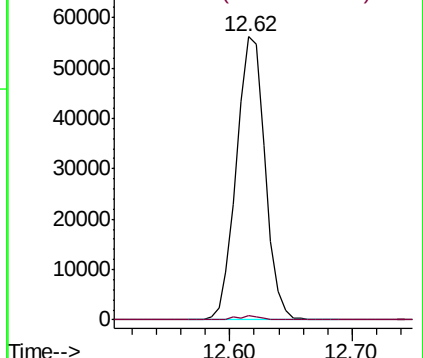
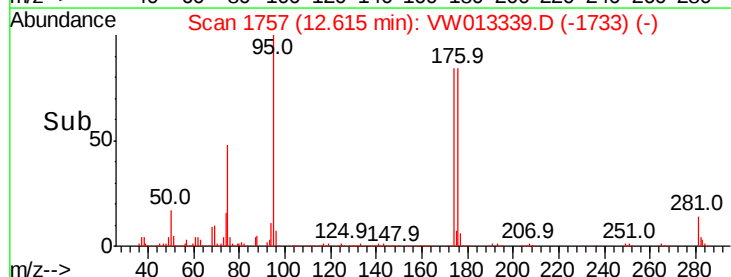
75 100

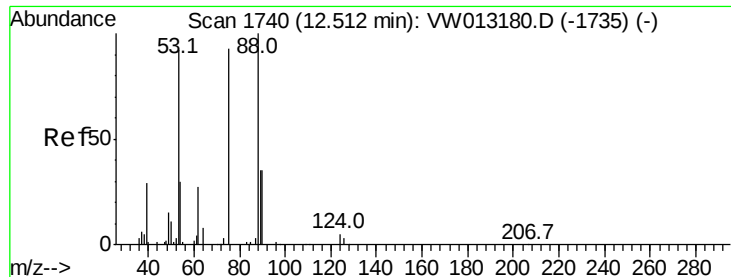
77 1.5 0.0 0.0#



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: 115.255 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013339.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

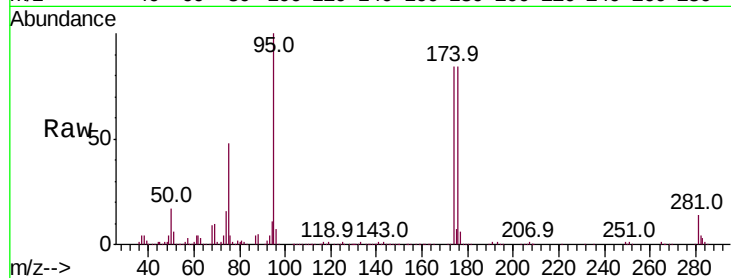
Tot Ion: 75 Resp: 90890

Ion Ratio Lower Upper

75 100

53 0.3 76.6 114.8#

89 0.0 33.5 50.3#



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

