

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012996.D
 Acq On : 14 Sep 2019 16:22
 Operator : SY/VA
 Sample : K4852-08
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

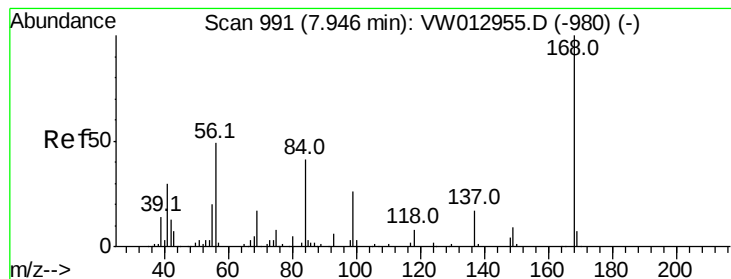
Quant Time: Sep 16 06:53:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	149602	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	151765	61.58	ug/l	0.00
Spiked Amount			Recovery	=	123.16%	
35) Dibromofluoromethane	7.88	113	125150	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	
50) Toluene-d8	10.32	98	488835	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	
62) 4-Bromofluorobenzene	12.62	95	156152	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	309	Below Cal		93
11) Tert butyl alcohol	5.11	59	752	Below Cal	#	79
13) Acrolein	3.68	56	65	Below Cal	#	73
16) Acetone	4.14	43	1305	Below Cal	#	77
20) Methylene Chloride	4.90	84	5919	Below Cal	#	94
26) 2,2-Dichloropropane	7.17	77	217	Below Cal	#	55
31) Cyclohexane	7.95	56	6105	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	19514	5.925	ug/l #	52
38) Carbon Tetrachloride	7.94	117	25071	7.428	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	81195	61.962	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81195	140.560	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

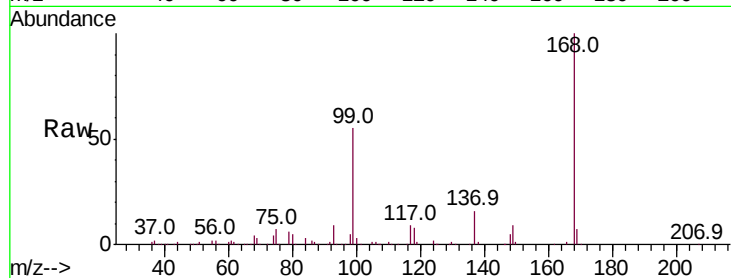
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 266853

Ion Ratio Lower Upper

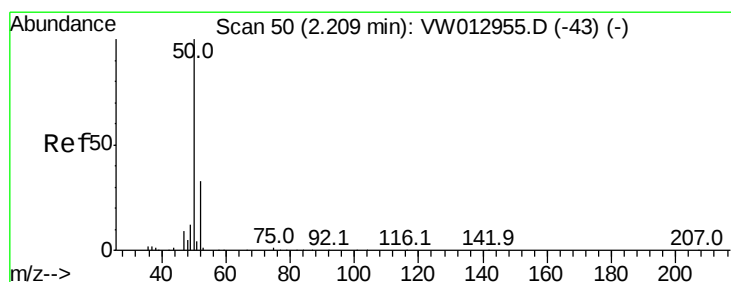
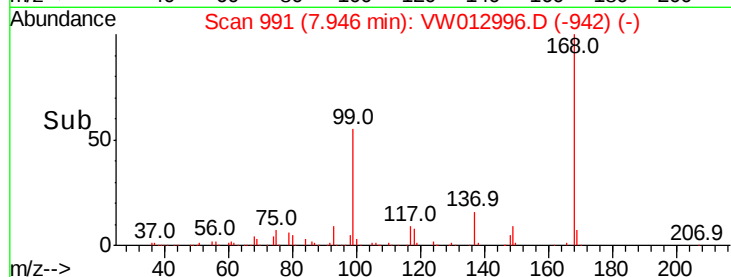
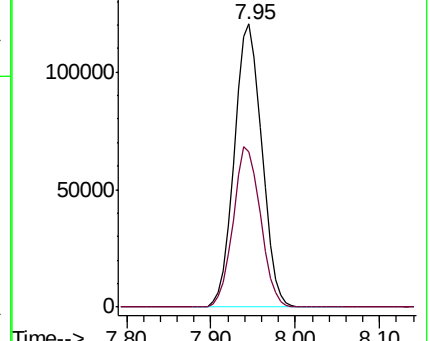
168 100

99 54.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012996.D

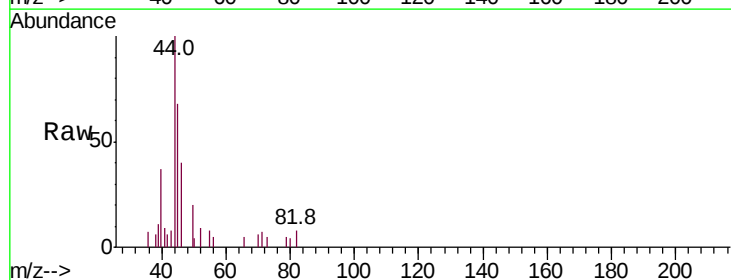
Acq: 14 Sep 2019 16:22

Tgt Ion: 50 Resp: 309

Ion Ratio Lower Upper

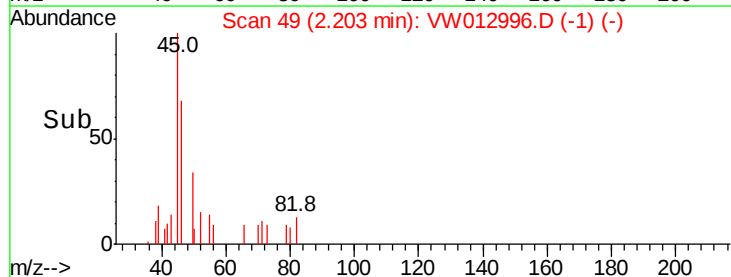
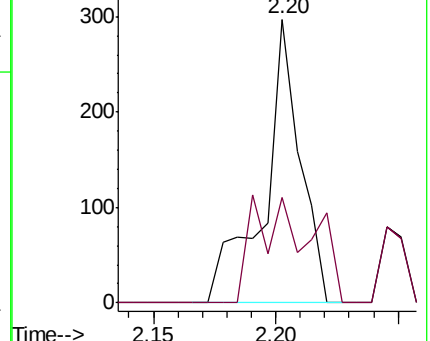
50 100

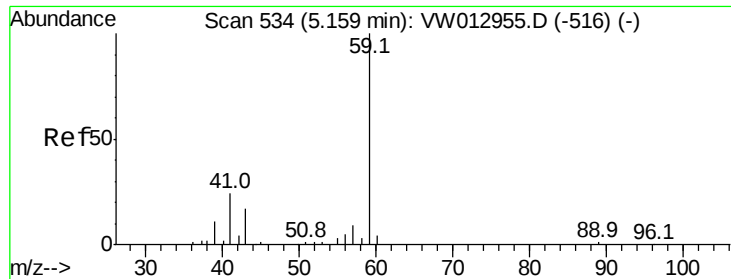
52 37.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



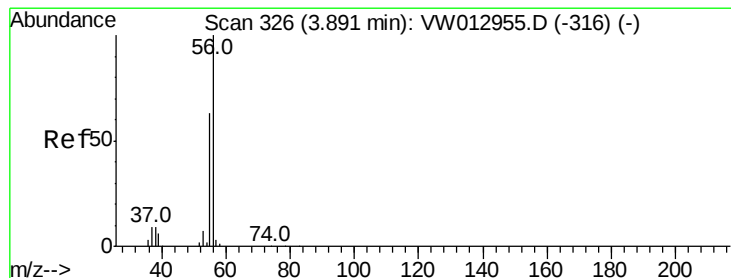
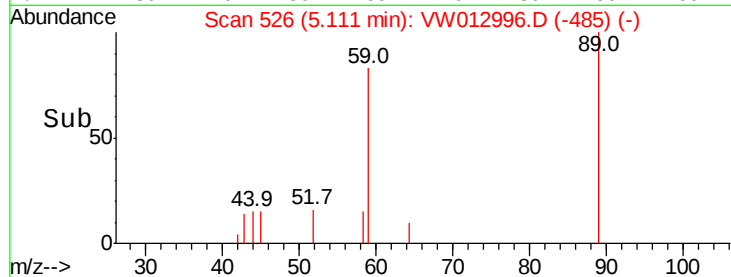
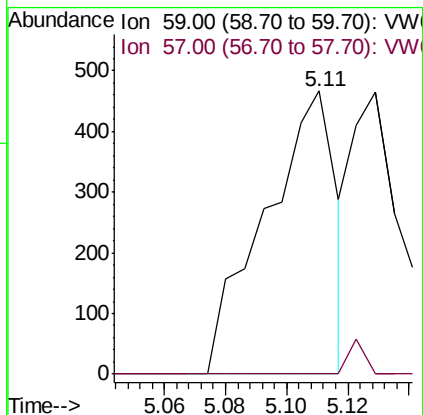
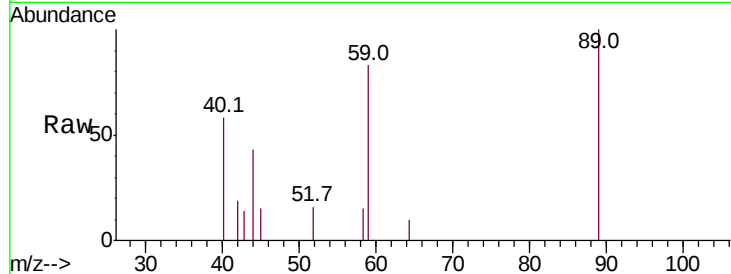


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.11 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: VW012996.D
 Acq: 14 Sep 2019 16:22

Instrument :
 MSVOA_W
 ClientSampled :

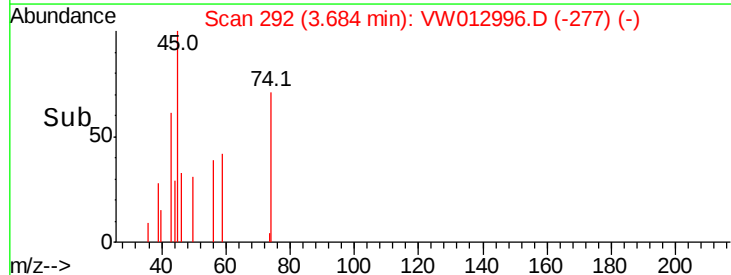
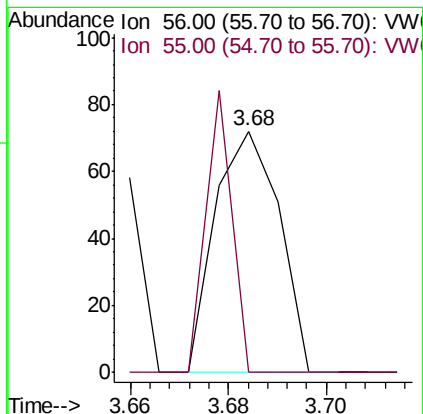
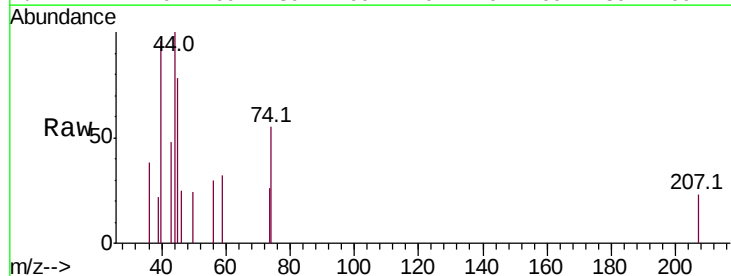
Tot Ion: 59 Resp: 752
 Ion Ratio Lower Upper
 59 100
 57 2.8 8.5 12.7#

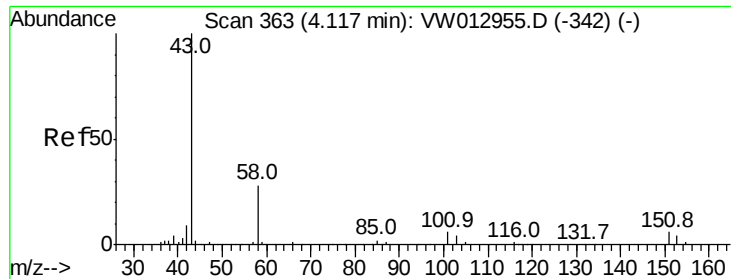


#13

Acrolein
 Concen: Below Cal
 RT: 3.68 min Scan# 292
 Delta R.T. -0.21 min
 Lab File: VW012996.D
 Acq: 14 Sep 2019 16:22

Tgt Ion: 56 Resp: 65
 Ion Ratio Lower Upper
 56 100
 55 47.7 55.8 83.8#

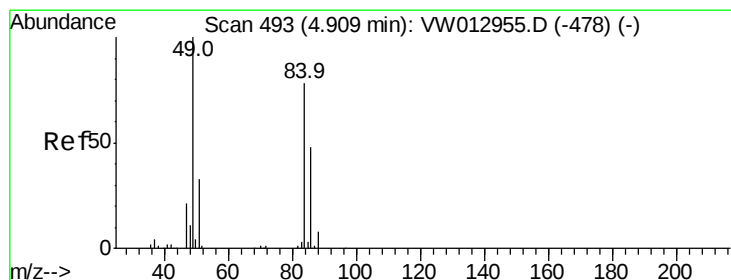
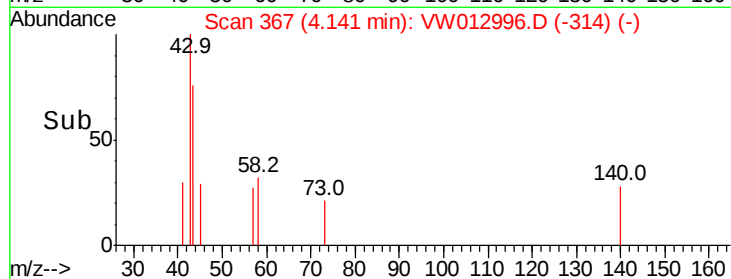
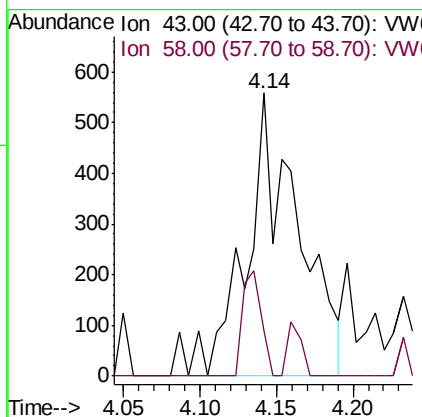
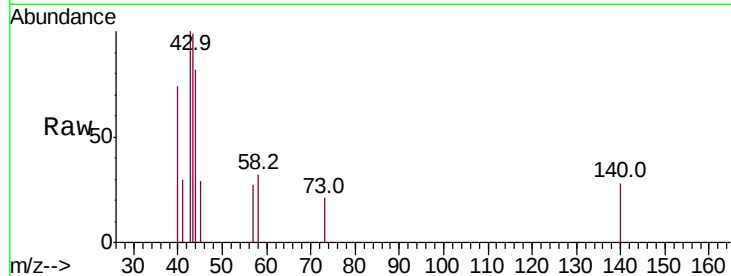




#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 367
Delta R.T. 0.03 min
Lab File: VW012996.D
Acq: 14 Sep 2019 16:22

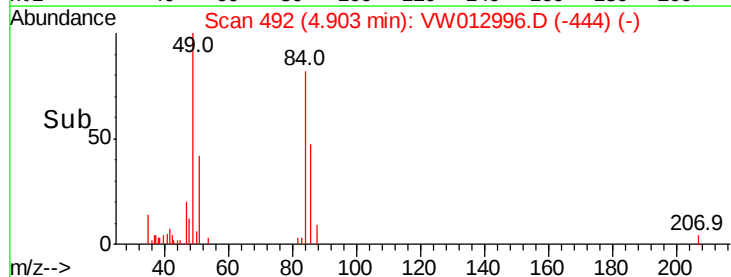
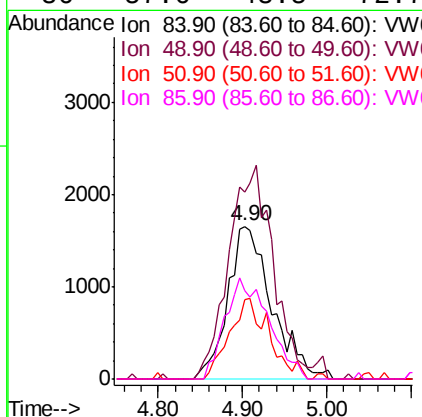
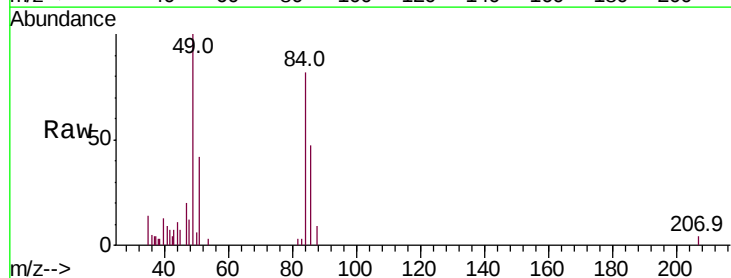
Instrument :
MSVOA_W
ClientSampleId :

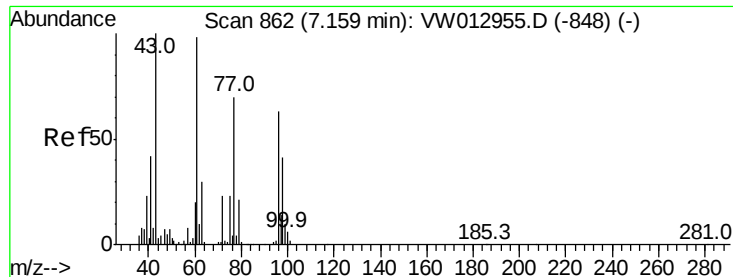
Tot Ion: 43 Resp: 1305
Ion Ratio Lower Upper
43 100
58 15.9 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012996.D
Acq: 14 Sep 2019 16:22

Tgt Ion: 84 Resp: 5919
Ion Ratio Lower Upper
84 100
49 122.4 102.0 153.0
51 51.8 34.0 51.0#
86 57.6 48.5 72.7





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

Instrument :

MSVOA_W

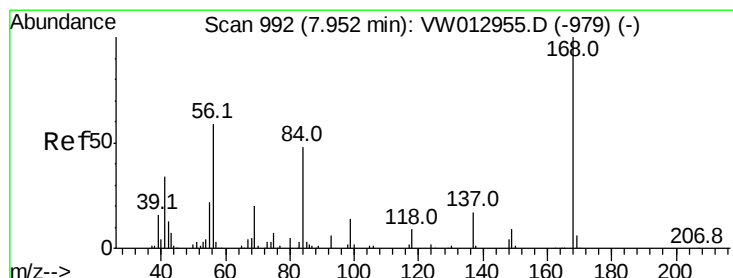
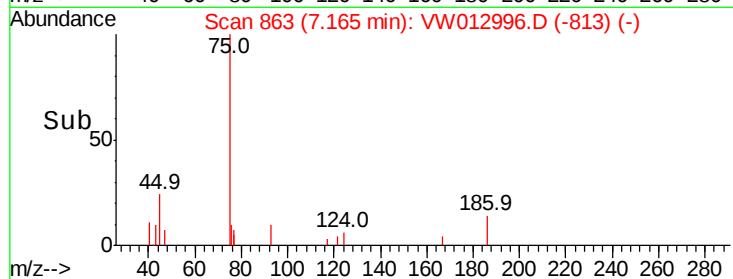
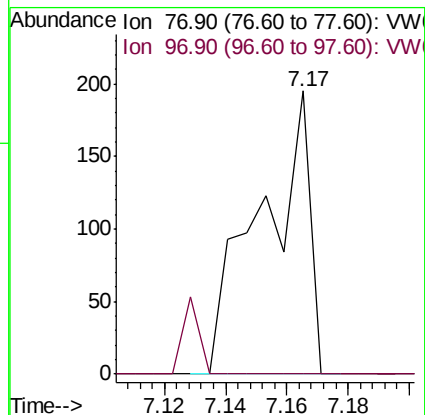
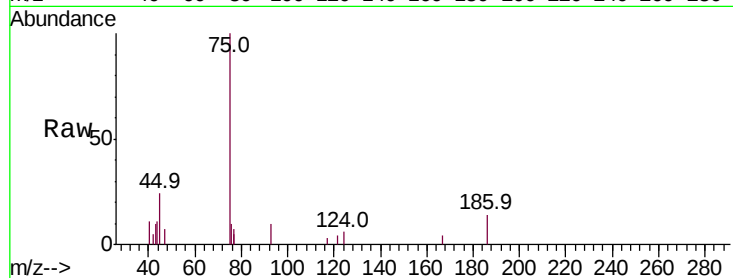
ClientSampleId :

Tot Ion: 77 Resp: 217

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

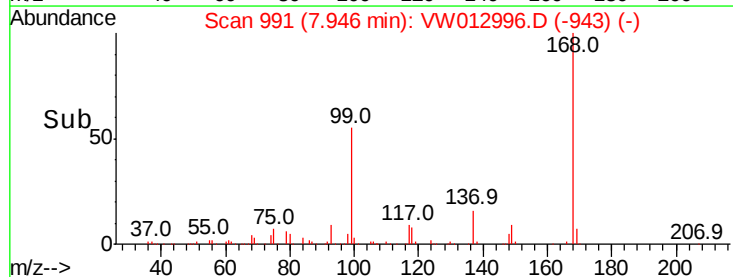
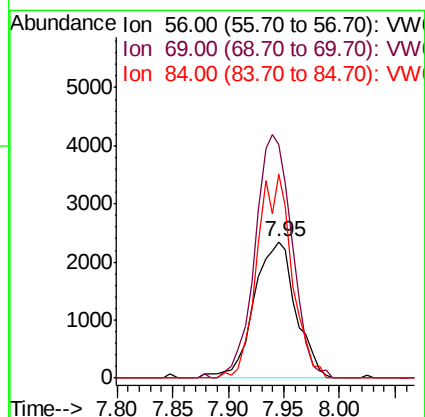
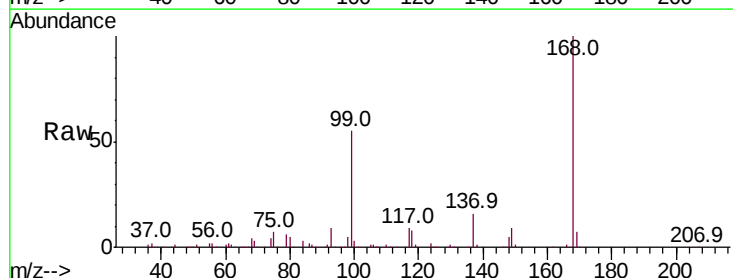
Tgt Ion: 56 Resp: 6105

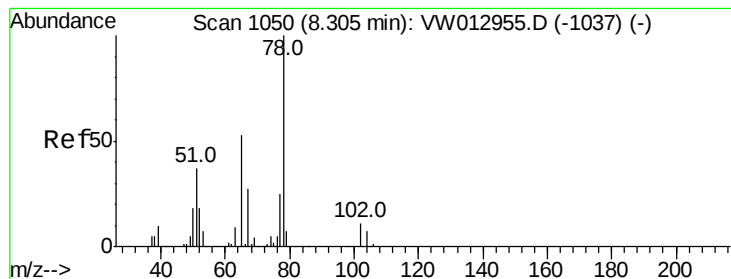
Ion Ratio Lower Upper

56 100

69 171.3 27.0 40.6#

84 149.4 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 61.579 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

Instrument :

MSVOA_W

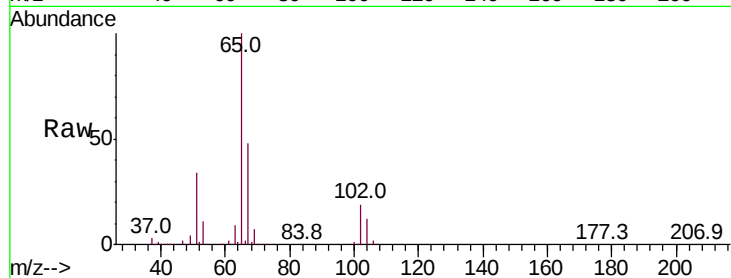
ClientSampleId :

Tot Ion: 65 Resp: 151765

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

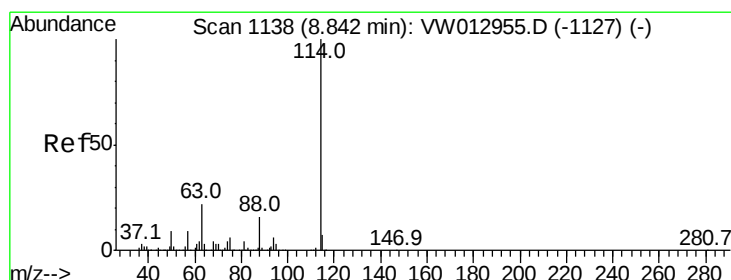
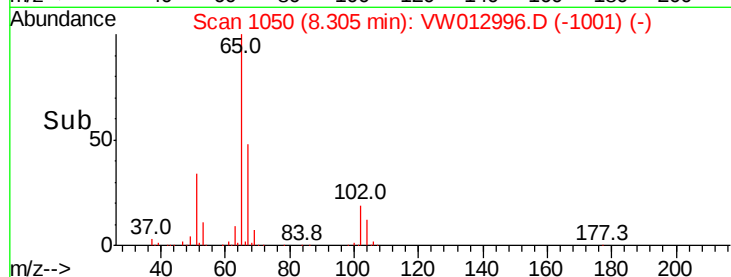
40000

20000

0

Time-->

8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

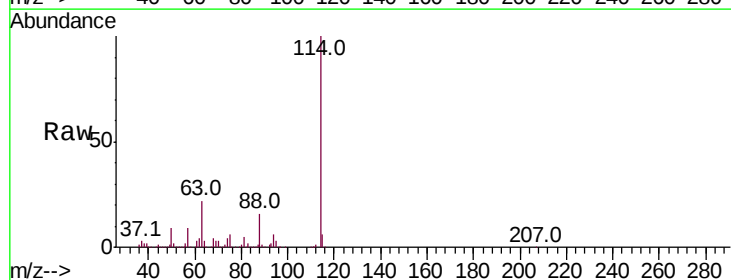
Tgt Ion: 114 Resp: 412171

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.0 0.0 31.6



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

8.84

250000

200000

150000

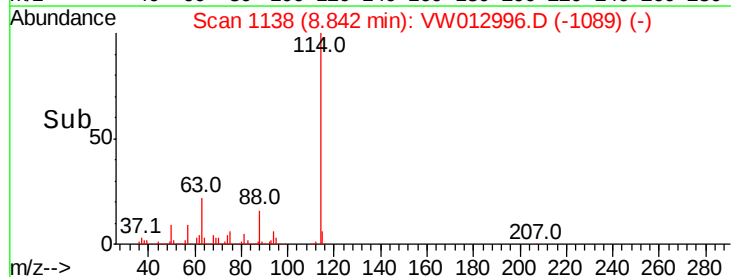
100000

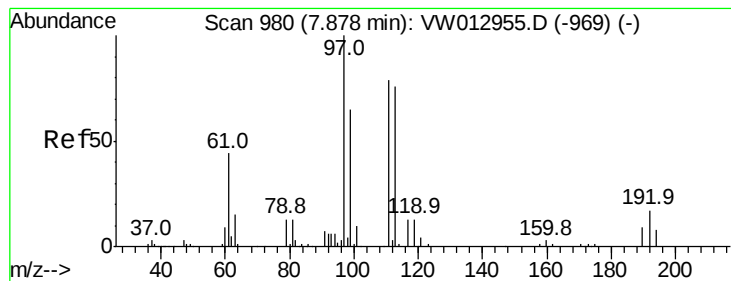
50000

0

Time-->

8.75 8.80 8.85 8.90 8.95





#35

Dibromofluoromethane

Concen: 55.958 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

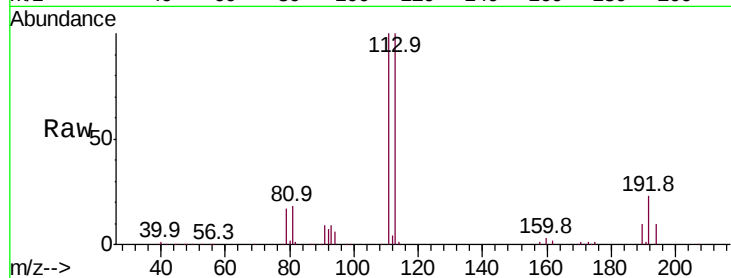
Tot Ion:113 Resp: 125150

Ion Ratio Lower Upper

113 100

111 101.4 82.8 124.2

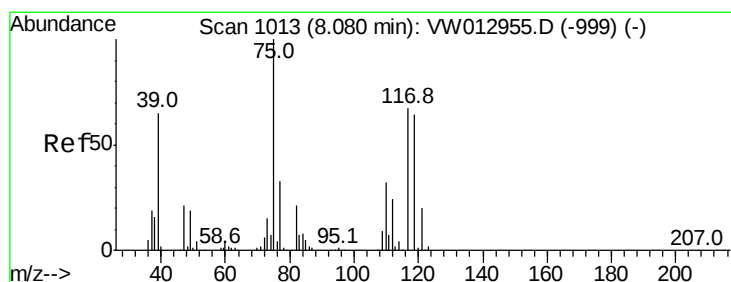
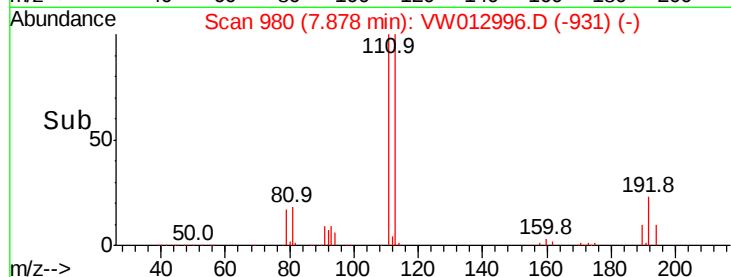
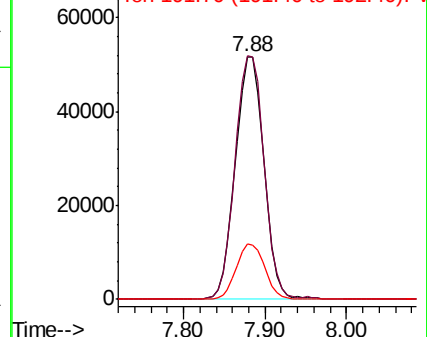
192 22.7 17.8 26.8



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: 5.925 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

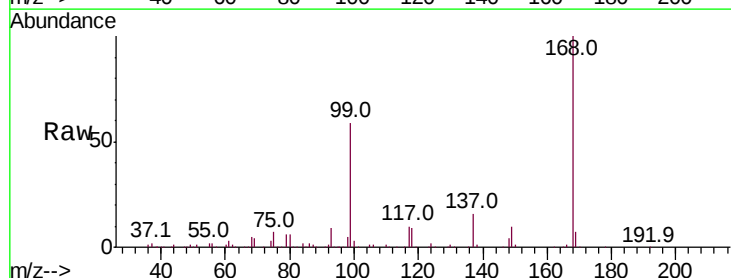
Tgt Ion: 75 Resp: 19514

Ion Ratio Lower Upper

75 100

110 10.8 16.4 49.1#

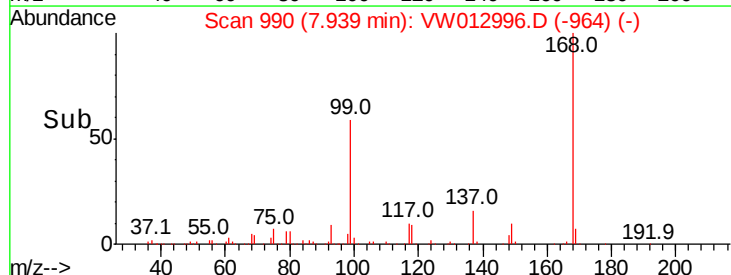
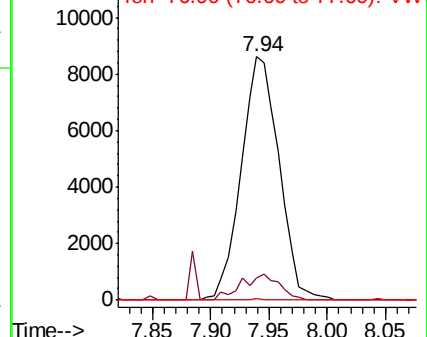
77 0.1 25.1 37.7#

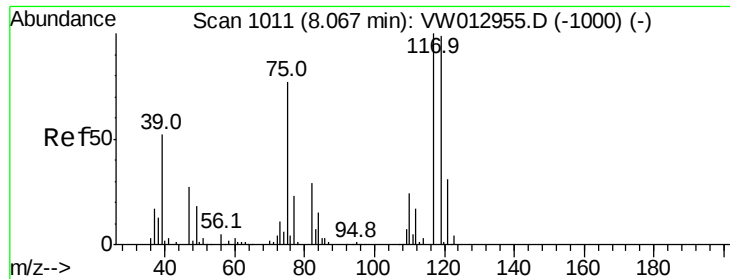


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.428 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

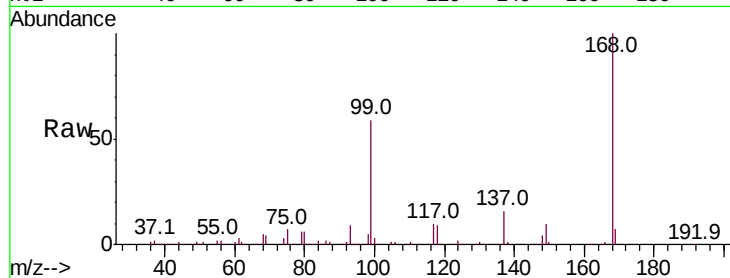
Tot Ion:117 Resp: 25071

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.0#

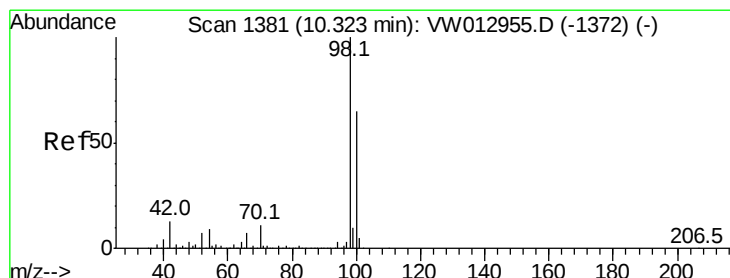
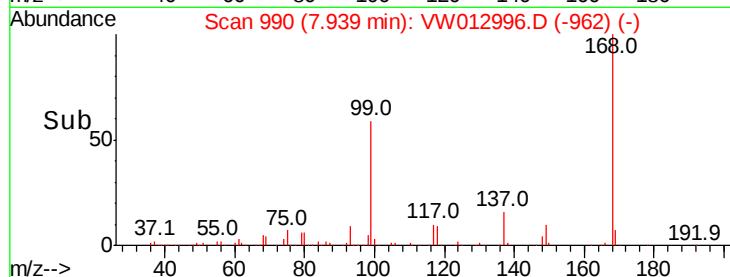
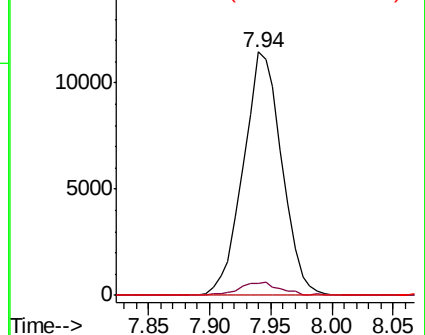
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 55.856 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012996.D

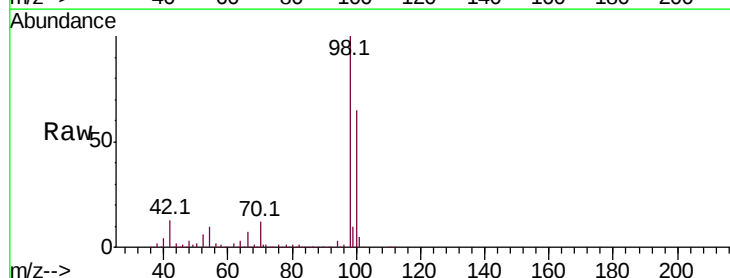
Acq: 14 Sep 2019 16:22

Tgt Ion: 98 Resp: 488835

Ion Ratio Lower Upper

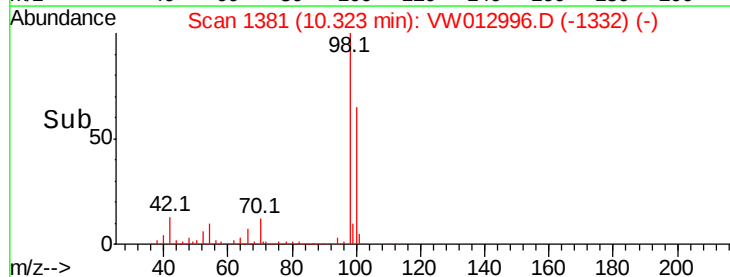
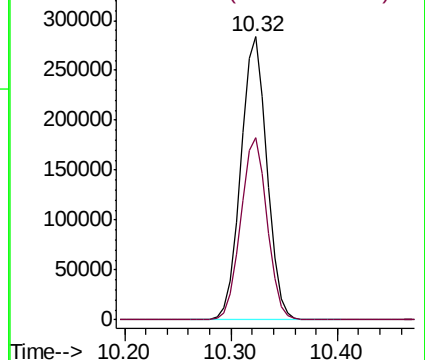
98 100

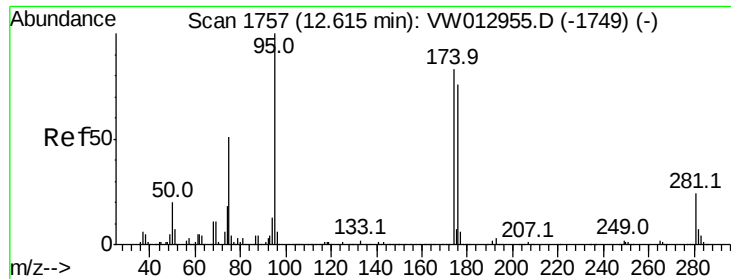
100 65.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

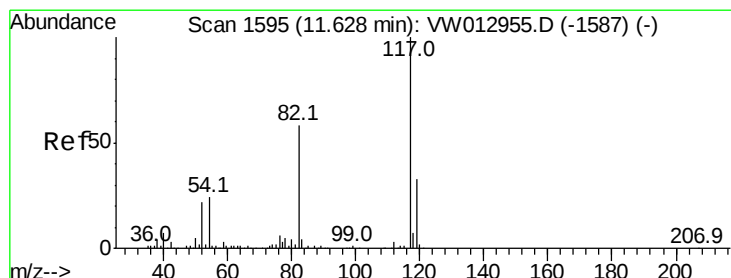
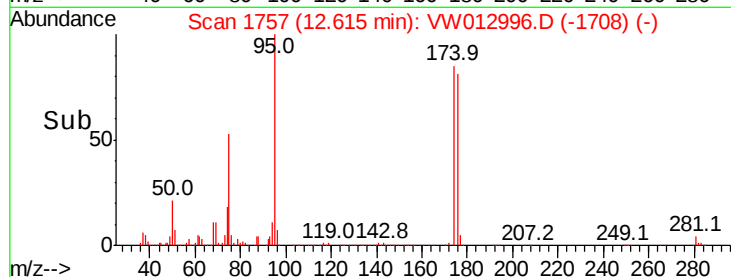
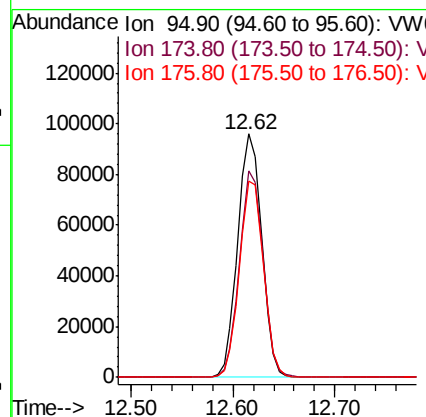
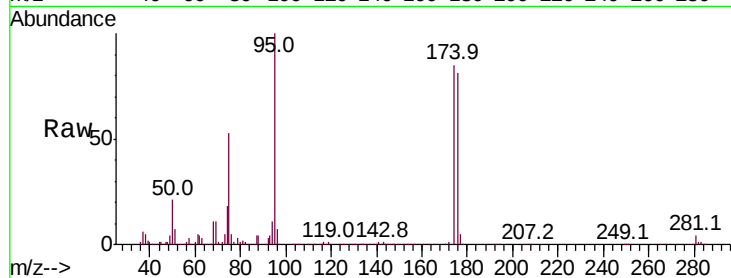




#62
4-Bromofluorobenzene
Concen: 49.621 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012996.D
Acq: 14 Sep 2019 16:22

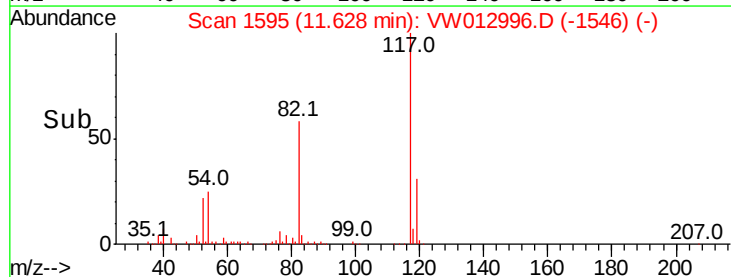
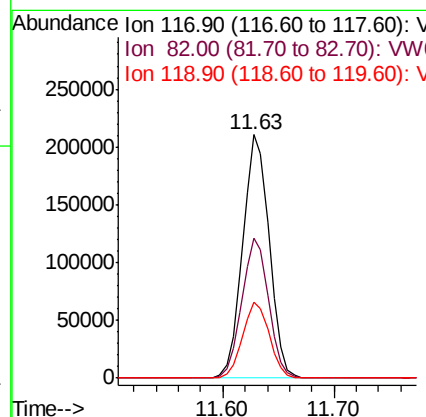
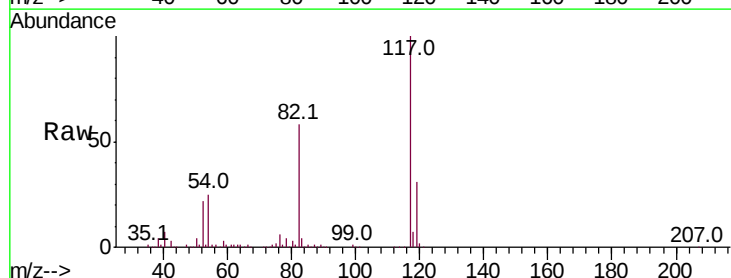
Instrument :
MSVOA_W
ClientSampleId :

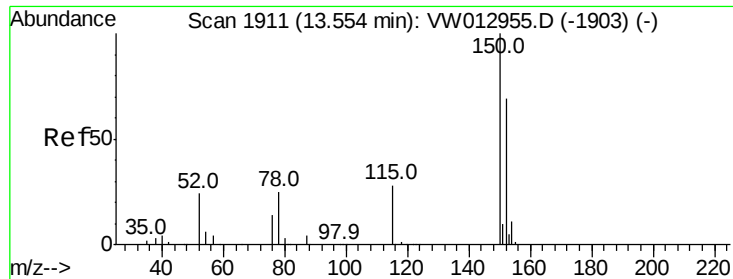
Tot Ion: 95 Resp: 156152
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.4
176 80.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012996.D
Acq: 14 Sep 2019 16:22

Tgt Ion: 117 Resp: 346956
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 31.4 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

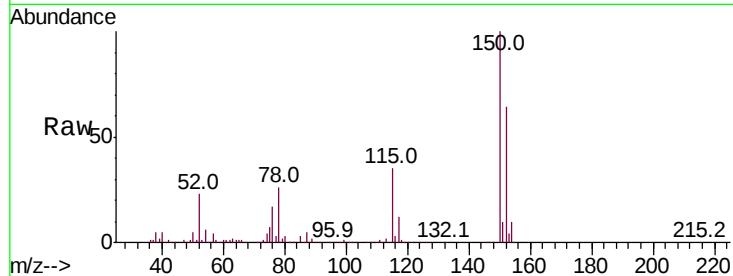
Tot Ion:152 Resp: 149602

Ion Ratio Lower Upper

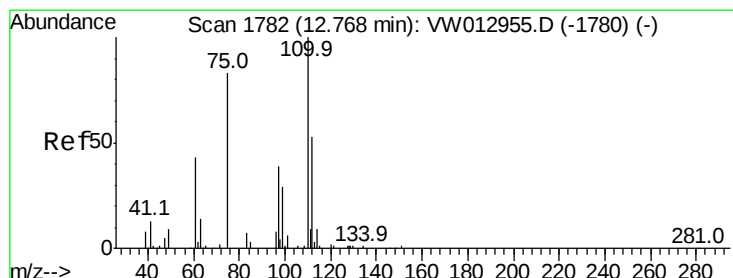
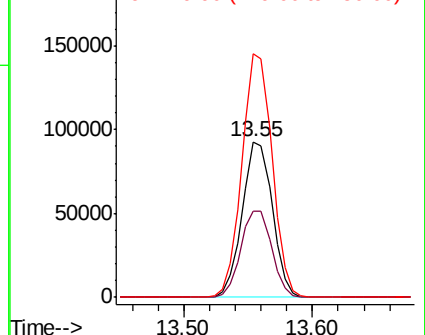
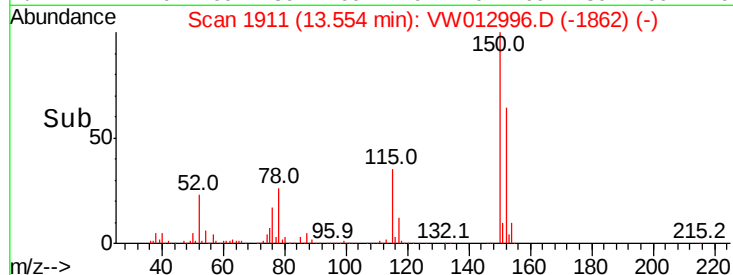
152 100

115 57.5 28.8 86.4

150 157.3 0.0 340.2



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: 61.962 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012996.D

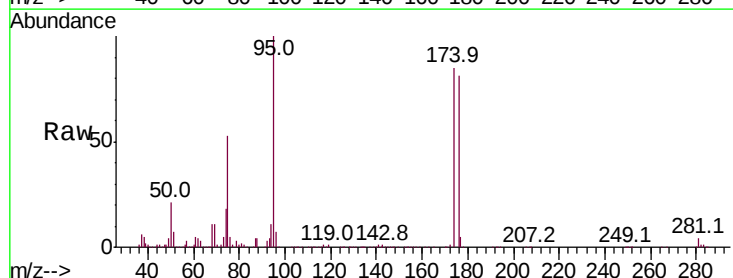
Acq: 14 Sep 2019 16:22

Tgt Ion: 75 Resp: 81195

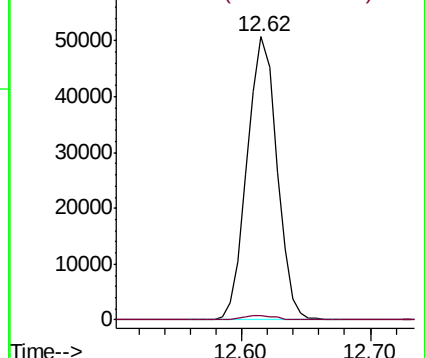
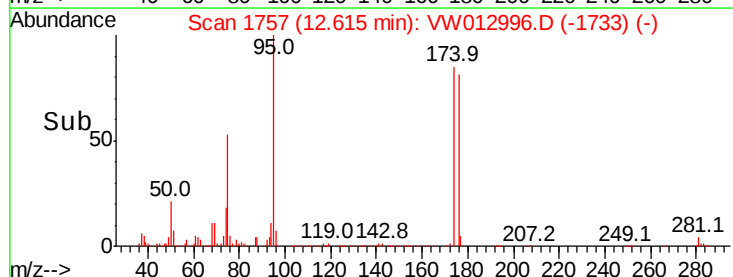
Ion Ratio Lower Upper

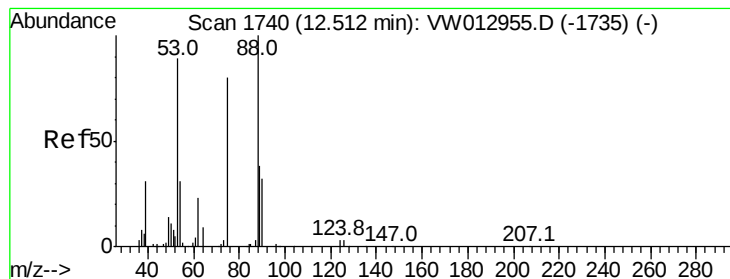
75 100

77 1.8 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: 140.560 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012996.D

Acq: 14 Sep 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

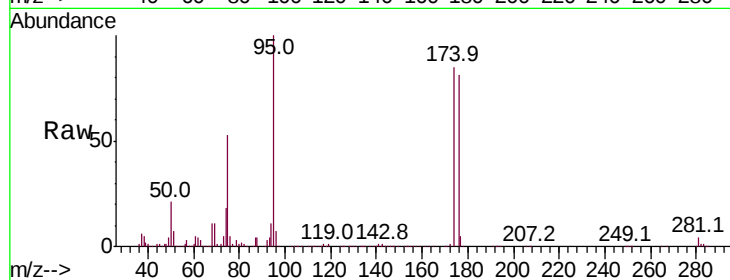
Tot Ion: 75 Resp: 81195

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.0 37.2 55.8#



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

