

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013095.D
 Acq On : 17 Sep 2019 17:21
 Operator : SY/VA
 Sample : K4846-07
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:34:12 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	310836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	175939	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	146674	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
35) Dibromofluoromethane	7.88	113	131429	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.32	98	558816	55.36	ug/l	0.00
Spiked Amount			Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.62	95	177534	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

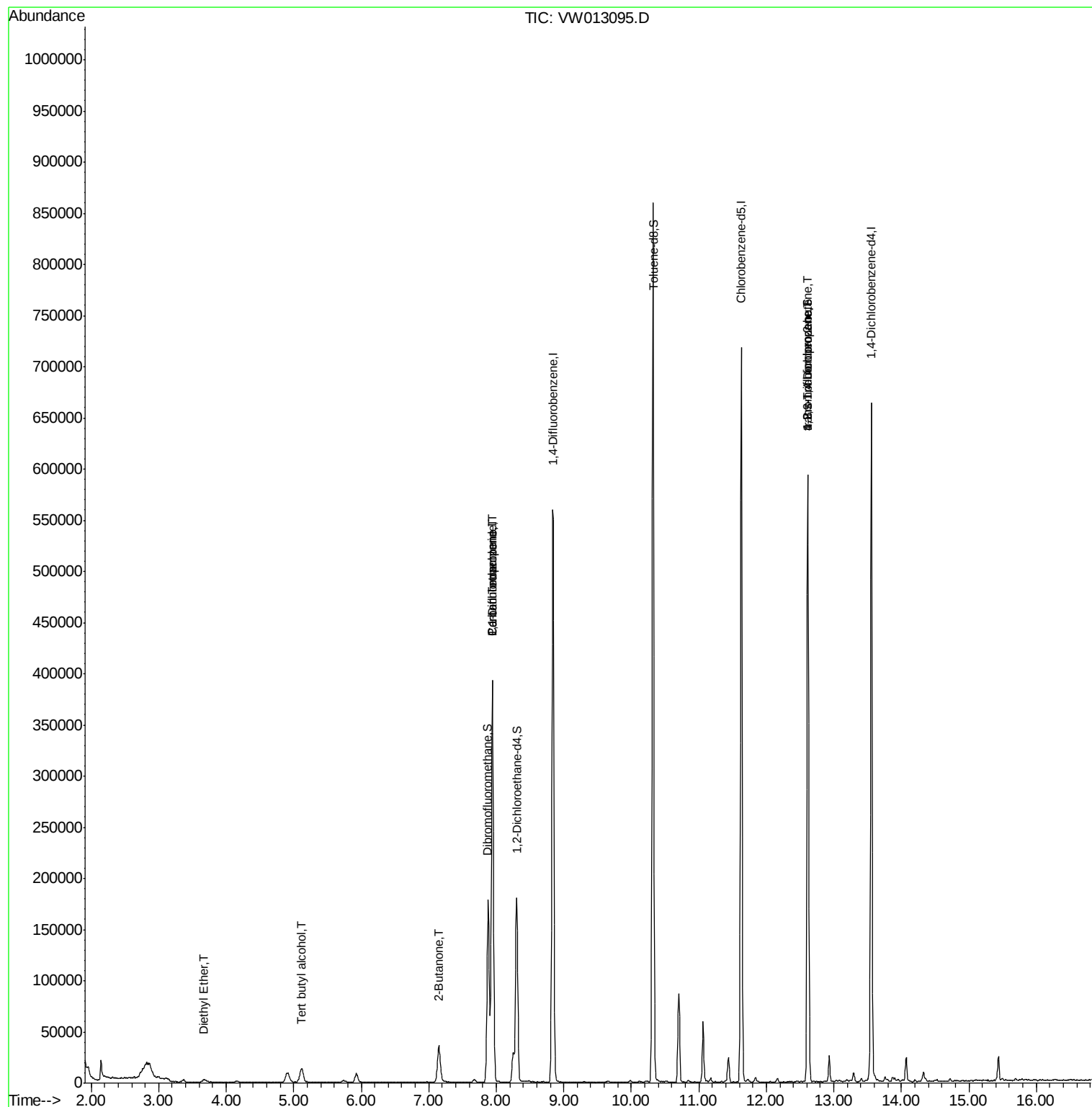
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	52	Below Cal	#	44
3) Chloromethane	2.20	50	278	Below Cal	#	41
8) Diethyl Ether	3.67	74	1433	1.180	ug/l #	45
11) Tert butyl alcohol	5.11	59	13286	51.556	ug/l #	77
13) Acrolein	4.05	56	22	Below Cal	#	15
16) Acetone	4.15	43	2254	Below Cal		94
20) Methylene Chloride	4.90	84	3499	Below Cal	#	89
25) 2-Butanone	7.15	43	2418	2.649	ug/l #	79
26) 2,2-Dichloropropane	7.15	77	2466	Below Cal	#	55
31) Cyclohexane	7.95	56	6222	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22752	5.989	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29994	7.704	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	91882	59.622	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91882	135.250	ug/l #	7

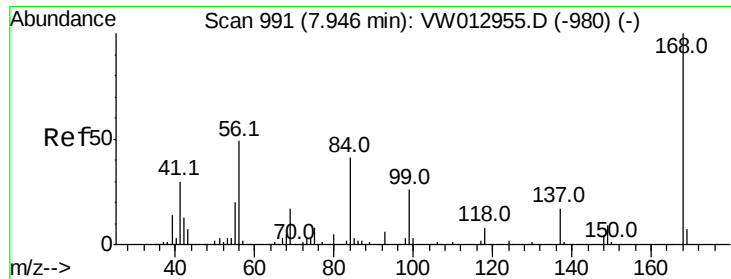
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013095.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_W

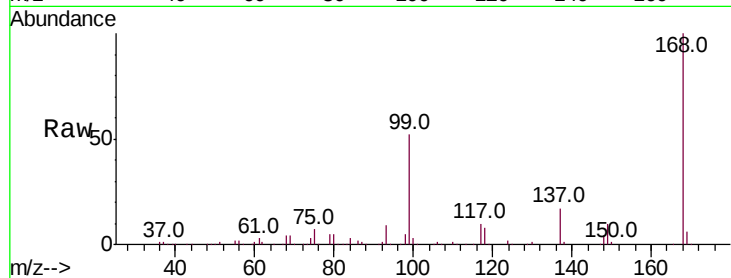
ClientSampleId :

Tot Ion:168 Resp: 310836

Ion Ratio Lower Upper

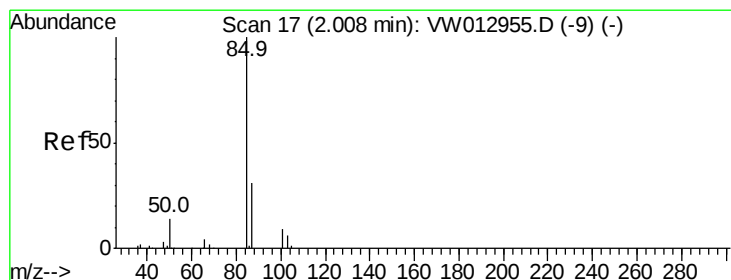
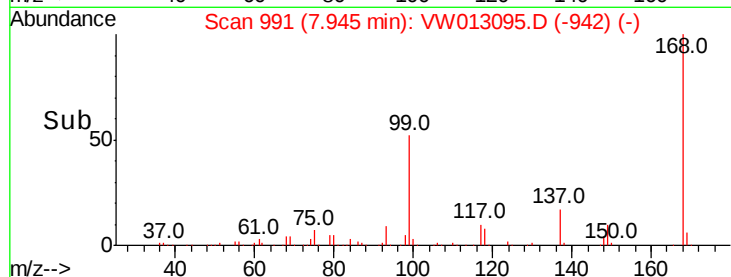
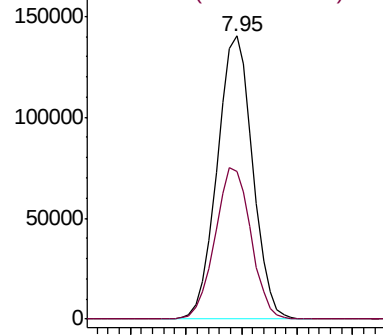
168 100

99 52.3 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013095.D

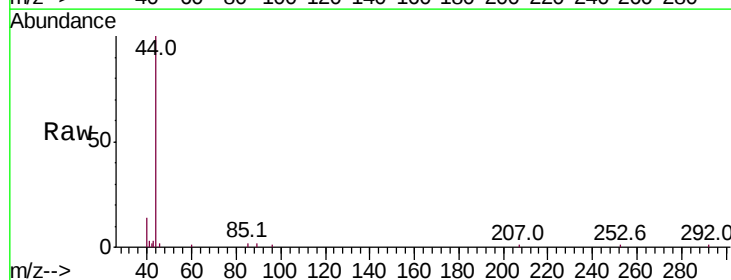
Acq: 17 Sep 2019 17:21

Tgt Ion: 85 Resp: 52

Ion Ratio Lower Upper

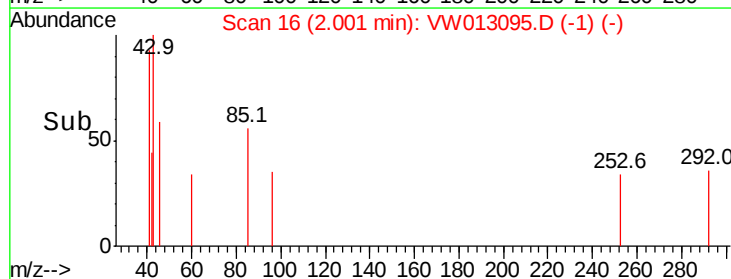
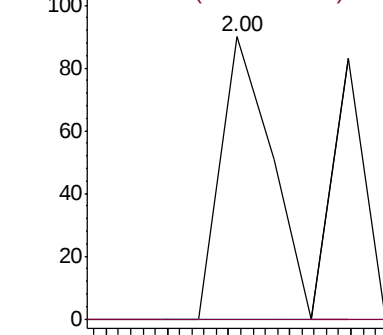
85 100

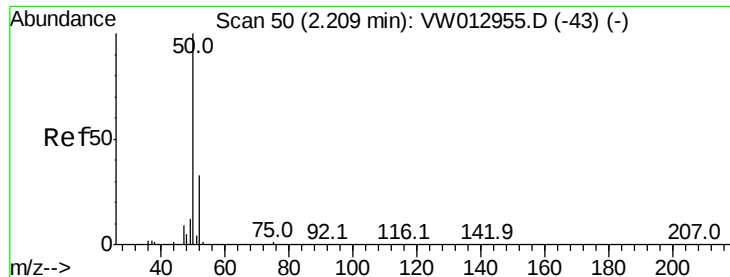
87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_W

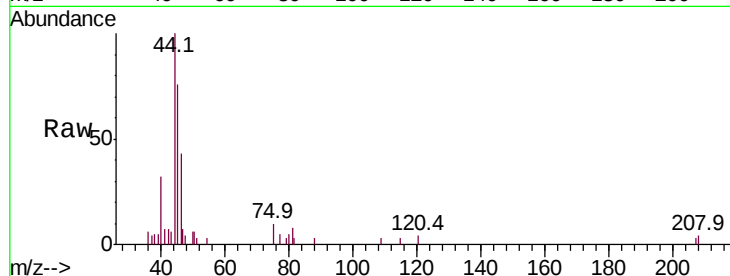
ClientSampled :

Tot Ion: 50 Resp: 278

Ion Ratio Lower Upper

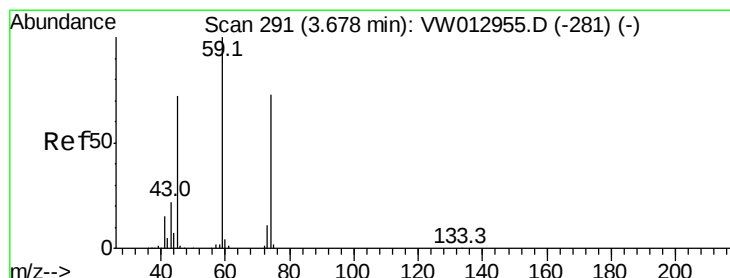
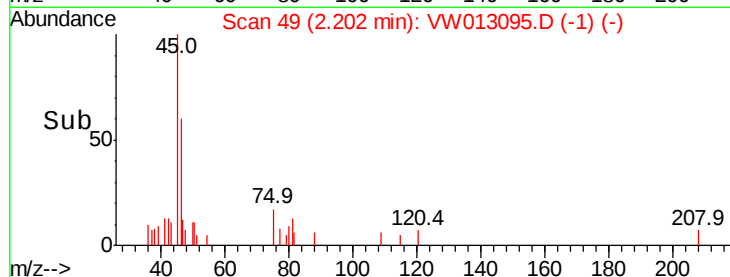
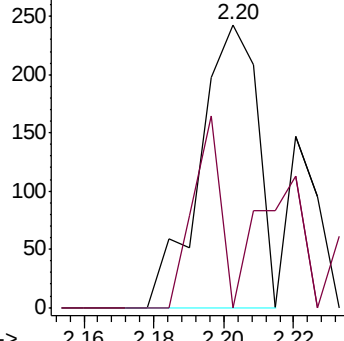
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#8

Diethyl Ether

Concen: 1.180 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW013095.D

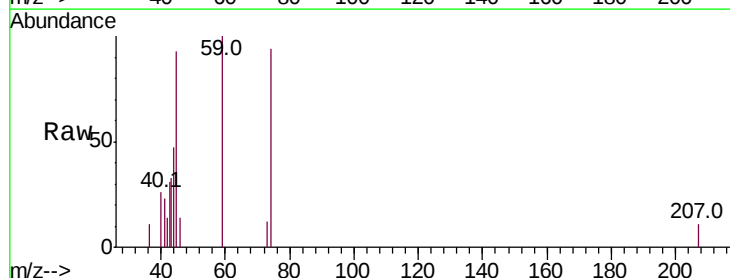
Acq: 17 Sep 2019 17:21

Tgt Ion: 74 Resp: 1433

Ion Ratio Lower Upper

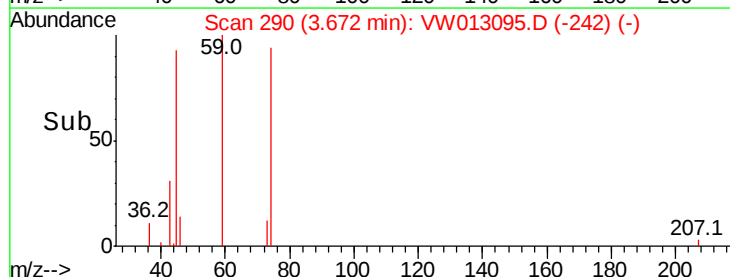
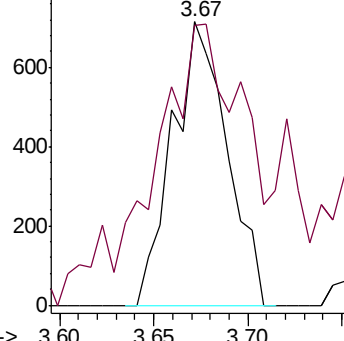
74 100

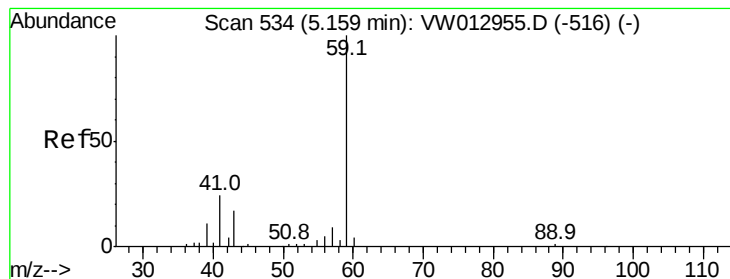
45 165.1 53.8 161.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



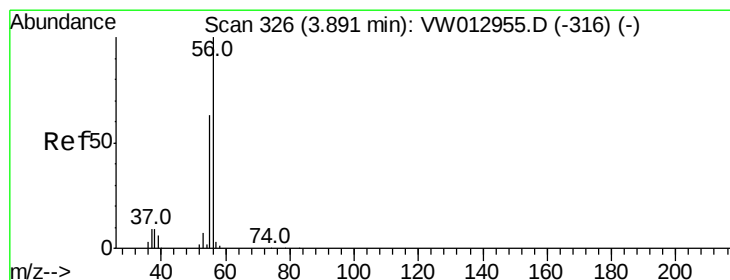
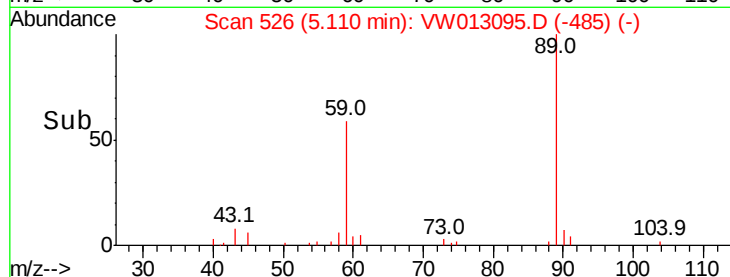
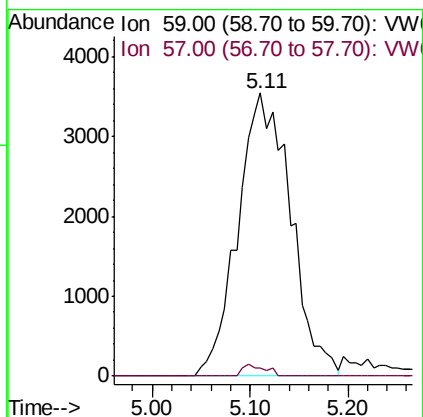
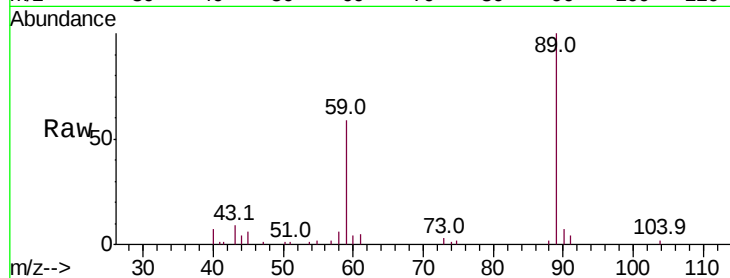


#11

Tert butyl alcohol
 Concen: 51.556 ug/l
 RT: 5.11 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: VW013095.D
 Acq: 17 Sep 2019 17:21

Instrument :
 MSVOA_W
 ClientSampled :

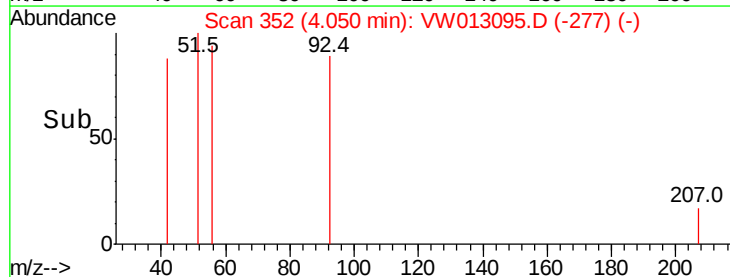
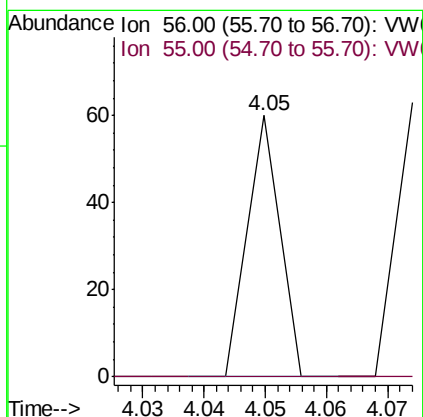
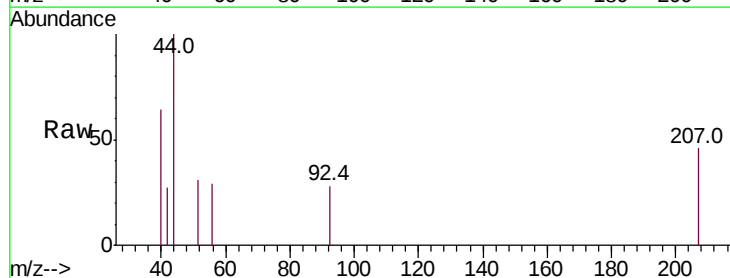
Tot Ion: 59 Resp: 13286
 Ion Ratio Lower Upper
 59 100
 57 1.8 8.5 12.7#

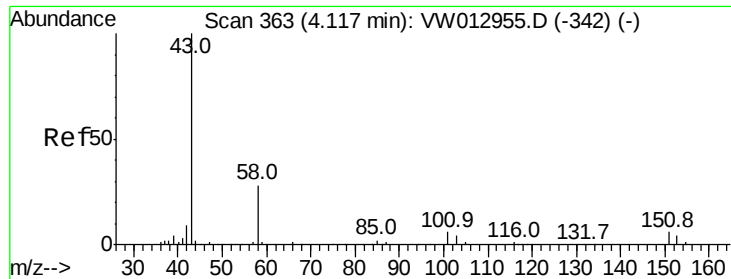


#13

Acrolein
 Concen: Below Cal
 RT: 4.05 min Scan# 352
 Delta R.T. 0.16 min
 Lab File: VW013095.D
 Acq: 17 Sep 2019 17:21

Tgt Ion: 56 Resp: 22
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

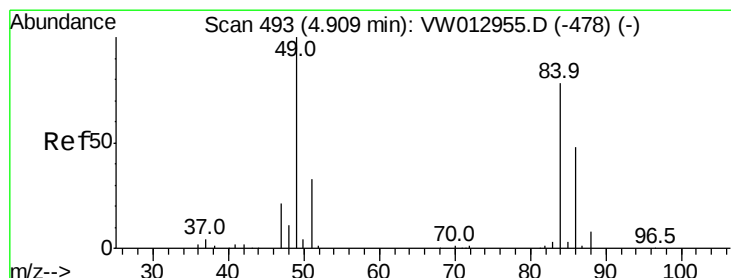
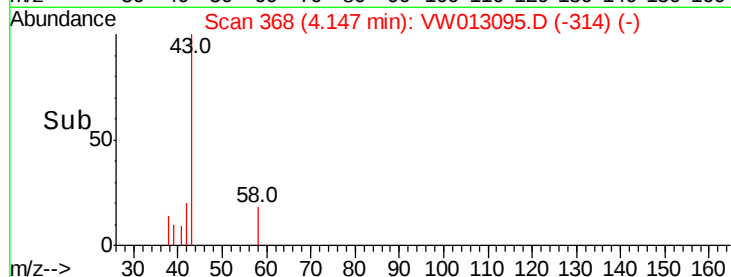
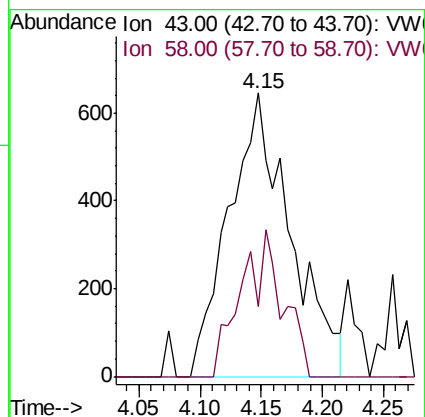
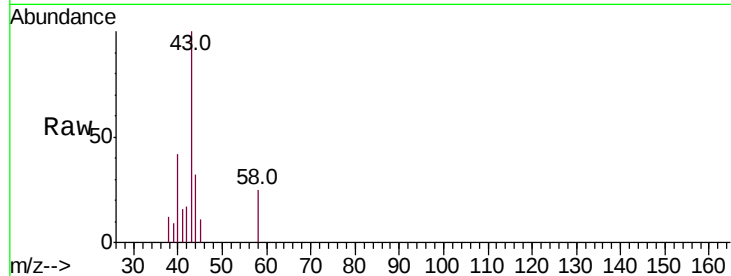
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2254

Ion Ratio Lower Upper

43 100

58 24.8 22.3 33.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

Tgt Ion: 84 Resp: 3499

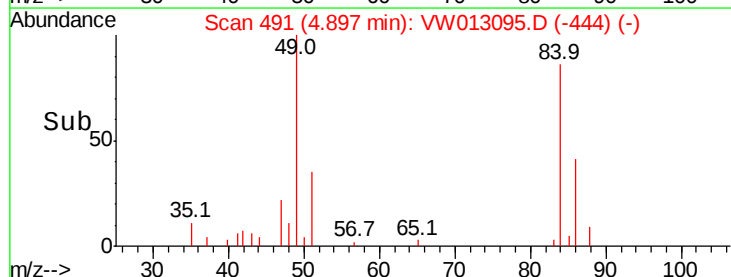
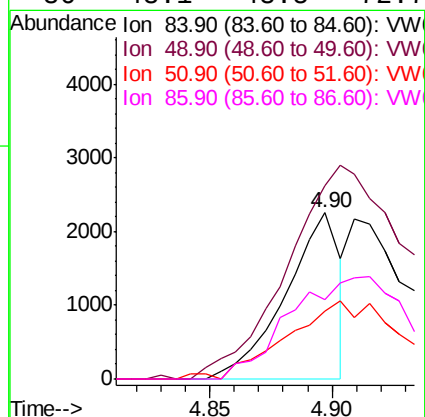
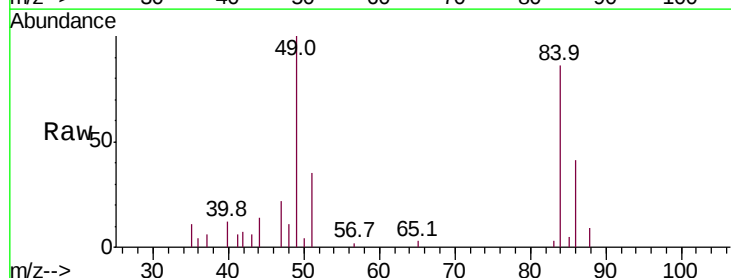
Ion Ratio Lower Upper

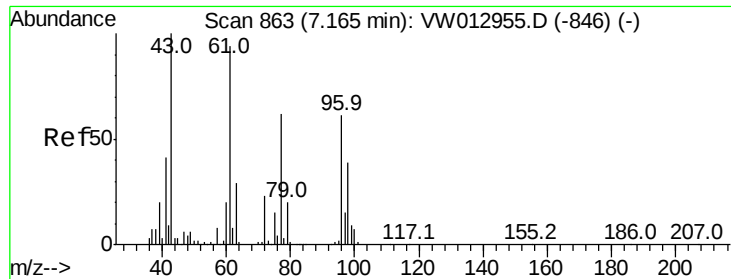
84 100

49 116.6 102.0 153.0

51 37.7 34.0 51.0

86 48.1 48.5 72.7#





#25

2-Butanone

Concen: 2.649 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

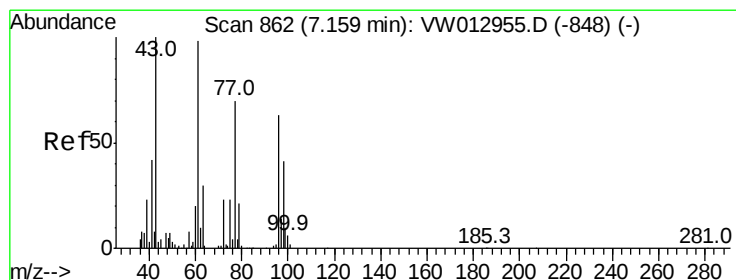
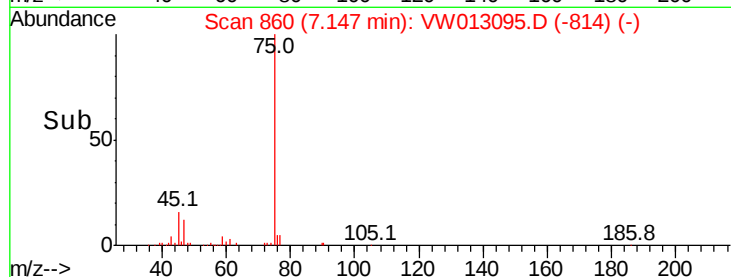
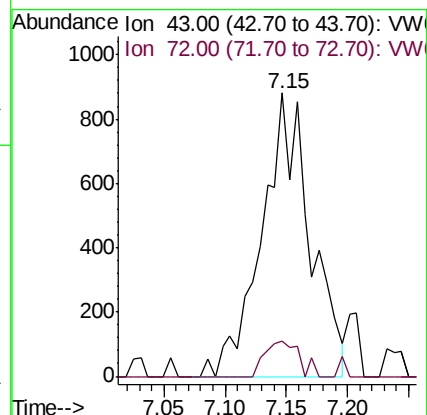
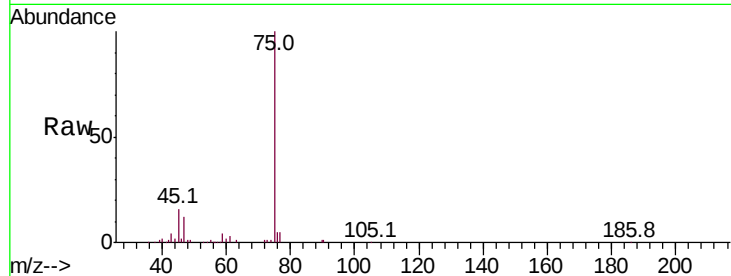
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2418

Ion Ratio Lower Upper

43 100

72 12.6 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013095.D

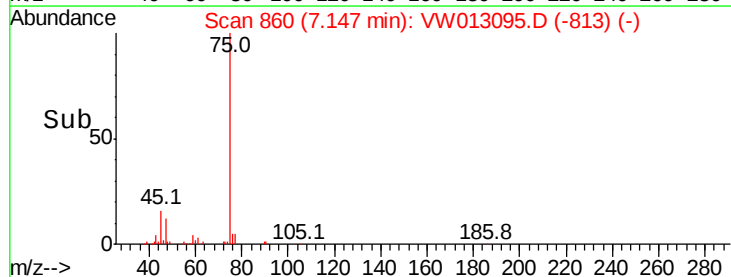
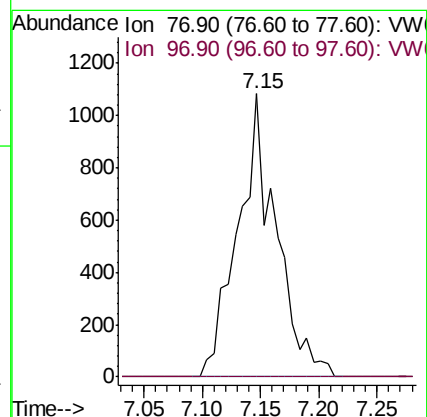
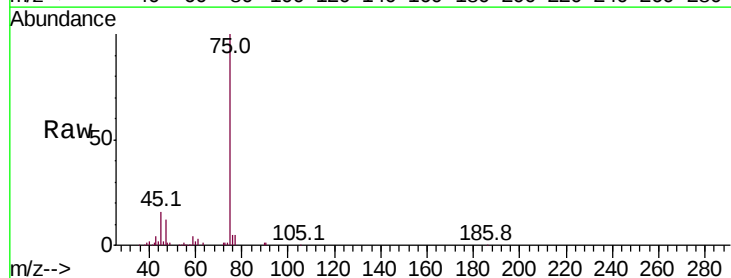
Acq: 17 Sep 2019 17:21

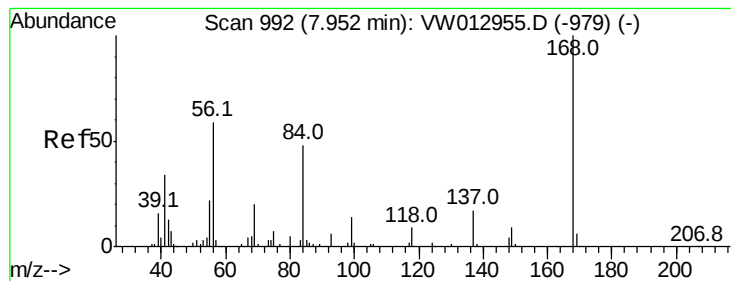
Tgt Ion: 77 Resp: 2466

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: VW013095.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

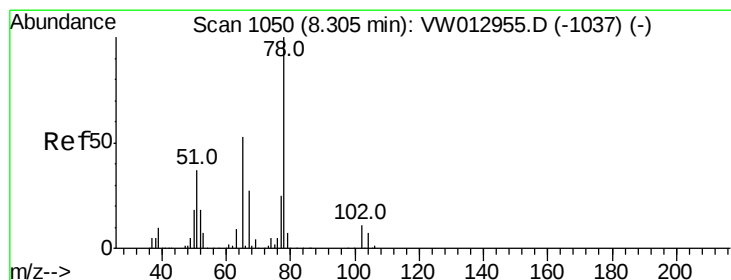
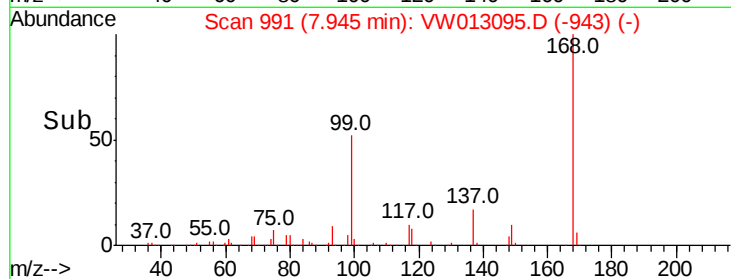
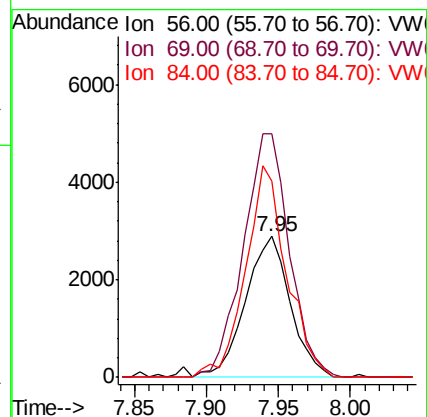
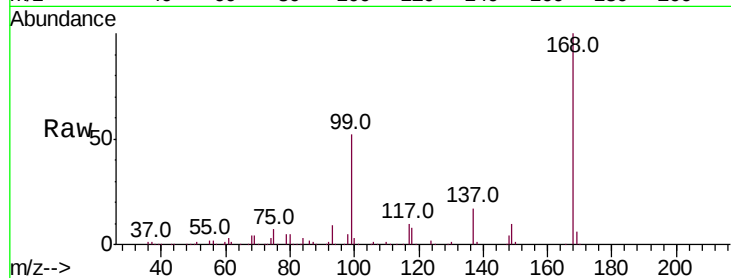
Tot Ion: 56 Resp: 6222

Ion Ratio Lower Upper

56 100

69 172.9 27.0 40.6#

84 139.8 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 51.092 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013095.D

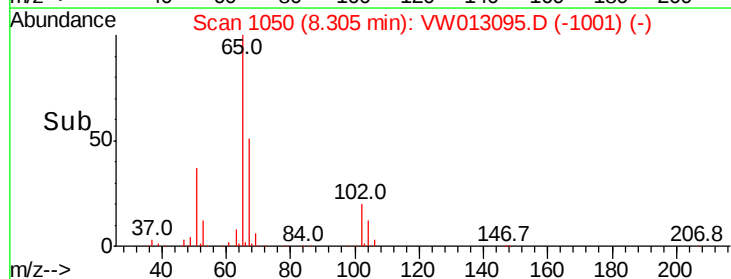
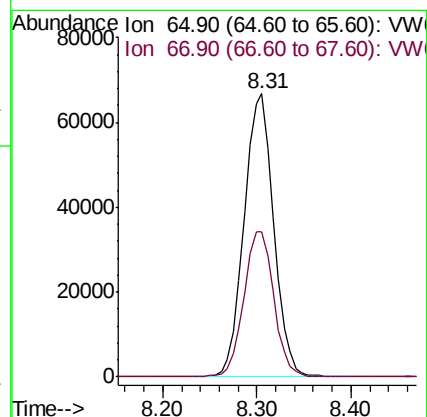
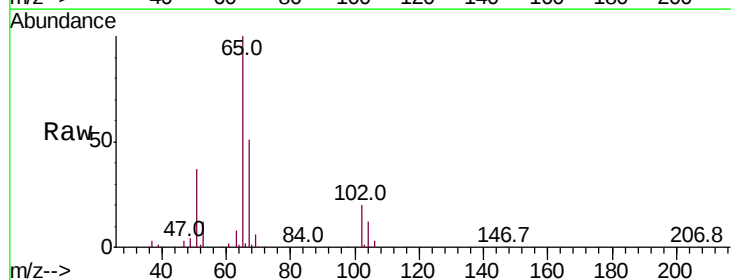
Acq: 17 Sep 2019 17:21

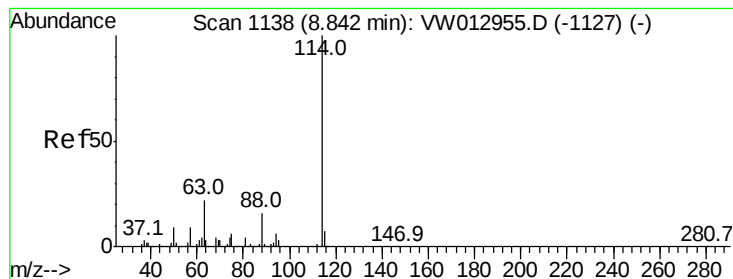
Tgt Ion: 65 Resp: 146674

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

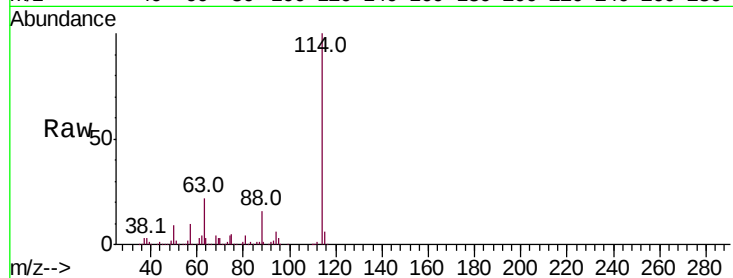
Tot Ion:114 Resp: 475432

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

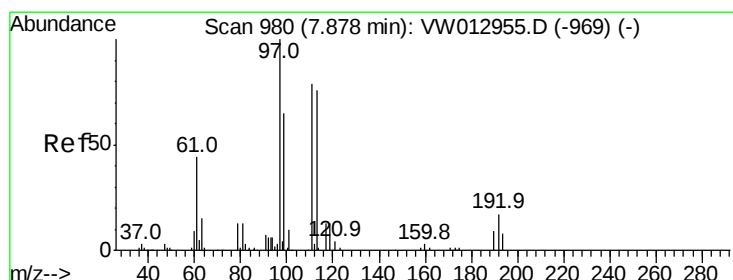
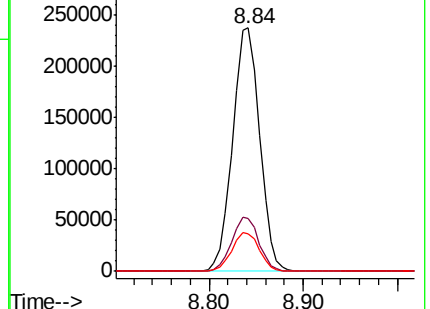
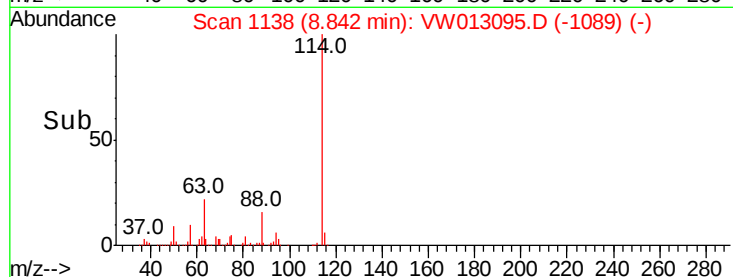
88 15.7 0.0 31.6



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



#35

Dibromofluoromethane

Concen: 50.946 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

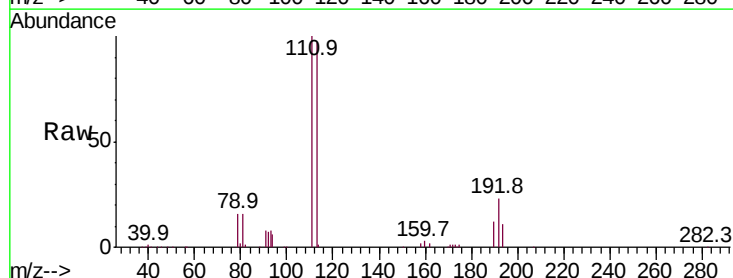
Tgt Ion:113 Resp: 131429

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

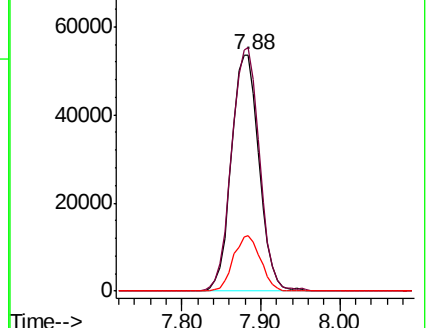
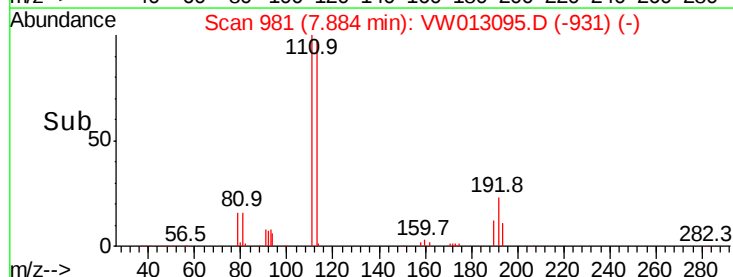
192 23.0 17.8 26.8

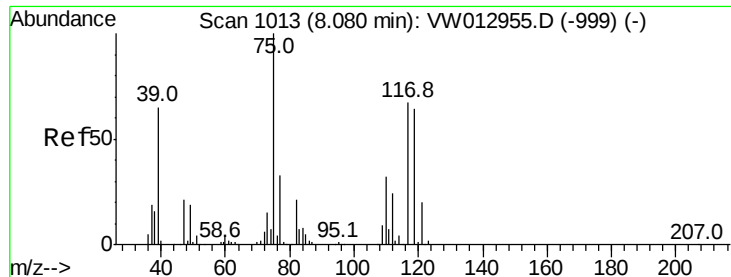


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

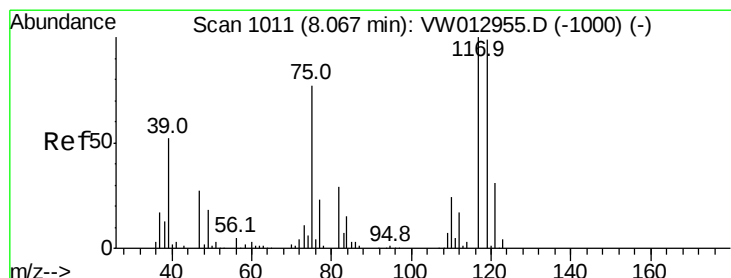
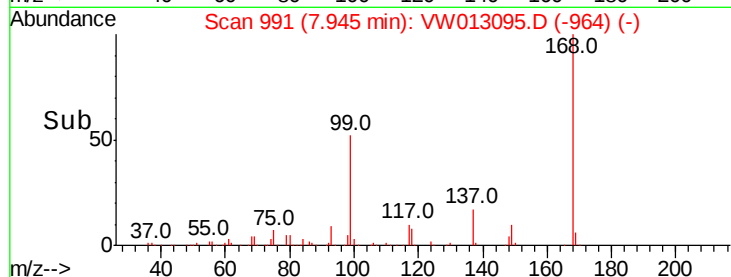
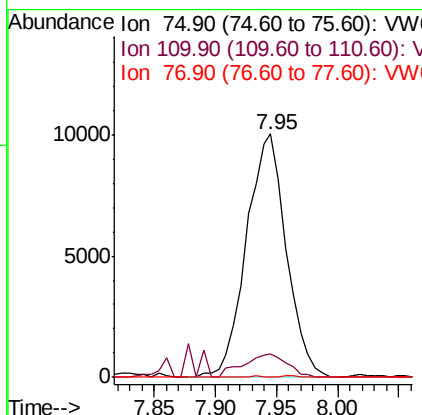
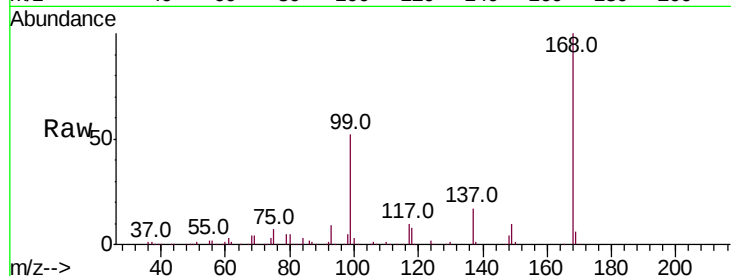




#36
 1,1-Dichloropropene
 Concen: 5.989 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013095.D
 Acq: 17 Sep 2019 17:21

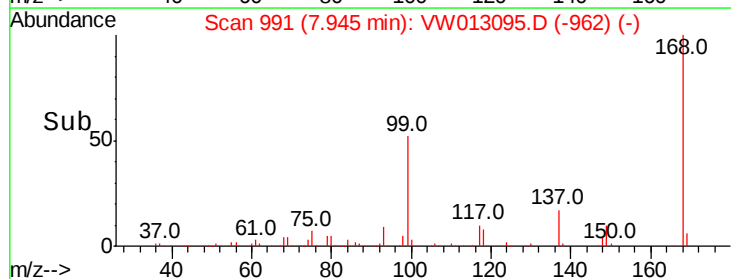
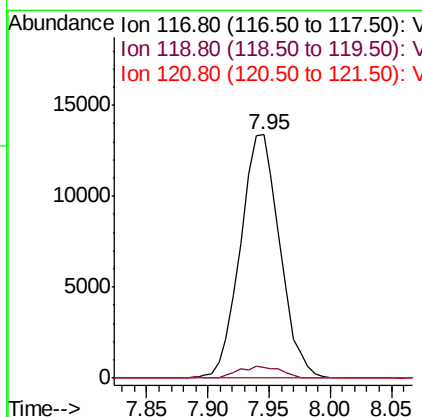
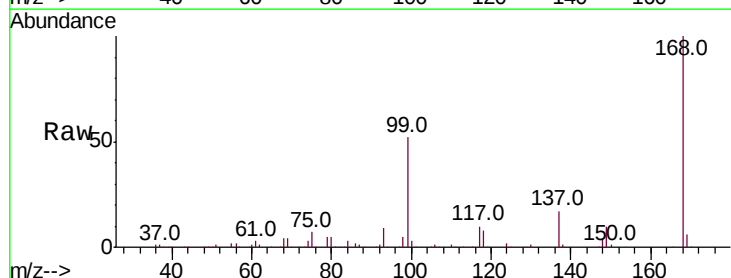
Instrument :
 MSVOA_W
 ClientSampled :

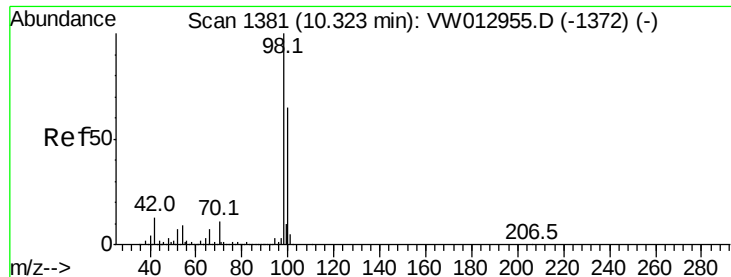
Tot Ion: 75 Resp: 22752
 Ion Ratio Lower Upper
 75 100
 110 10.7 16.4 49.1#
 77 0.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.704 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013095.D
 Acq: 17 Sep 2019 17:21

Tgt Ion: 117 Resp: 29994
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 55.357 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_W

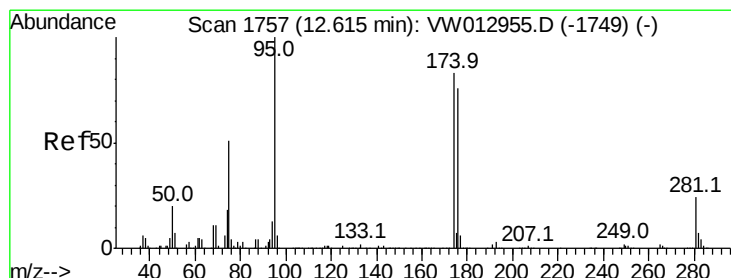
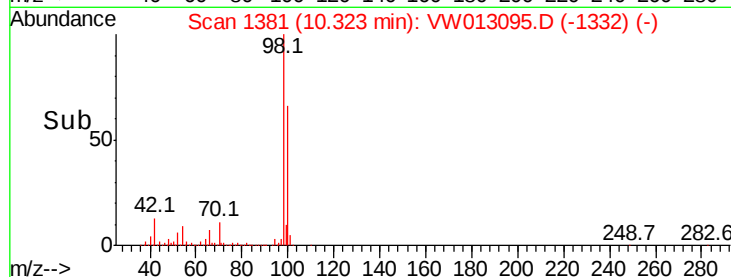
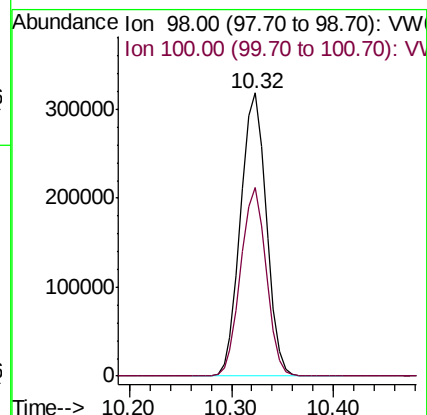
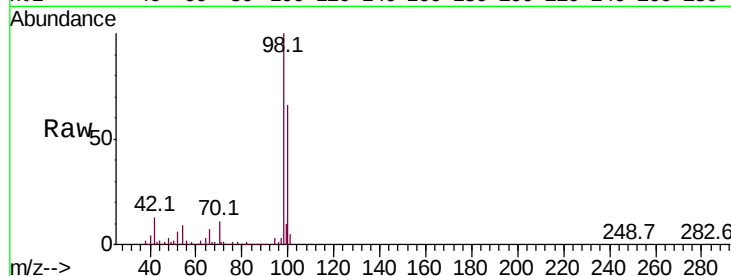
ClientSampleId :

Tot Ion: 98 Resp: 558816

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 48.909 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

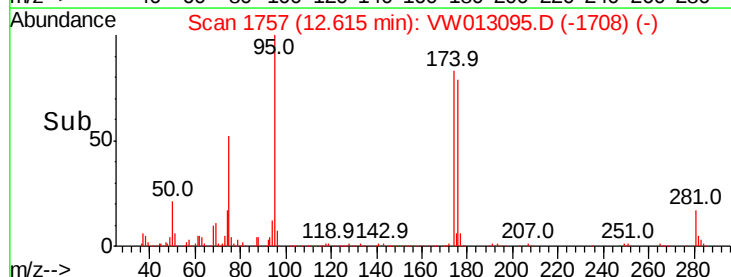
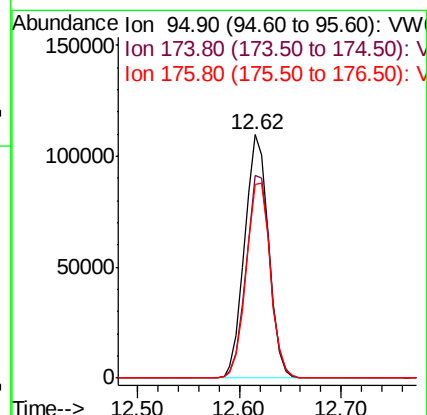
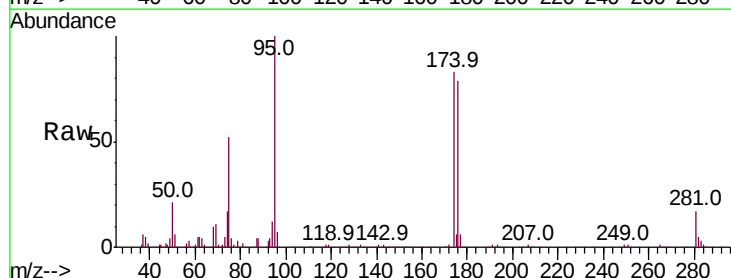
Tgt Ion: 95 Resp: 177534

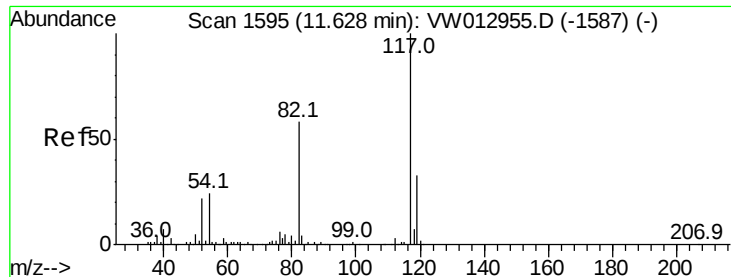
Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.4

176 81.2 0.0 164.6

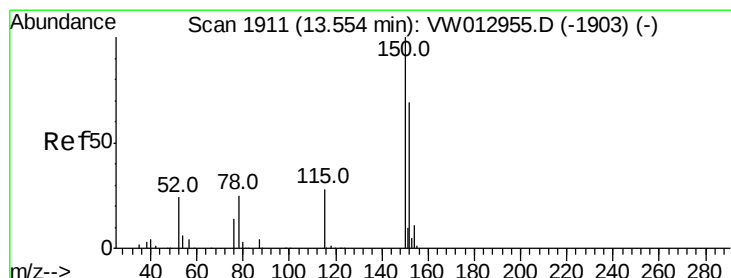
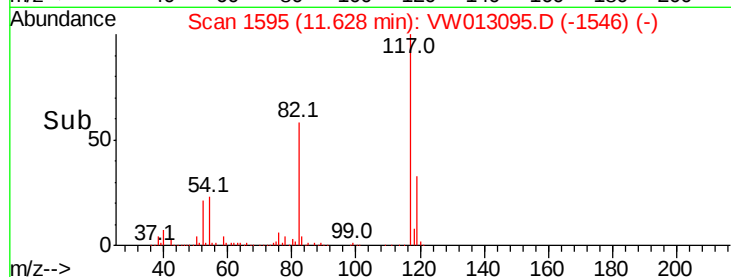
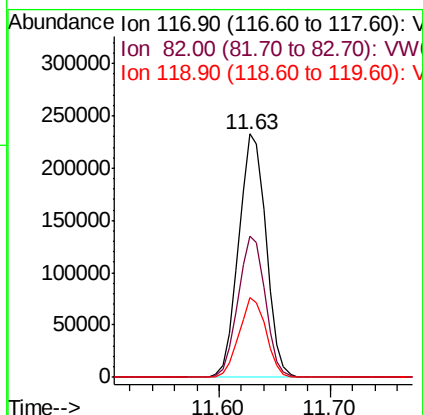
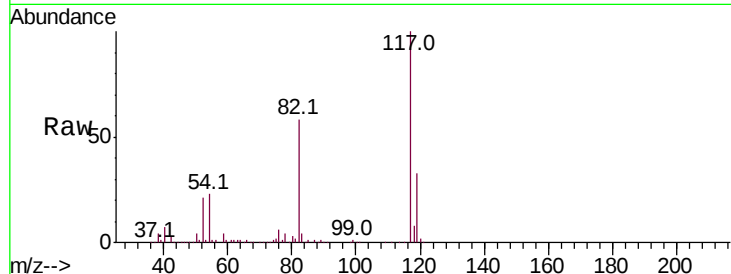




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013095.D
Acq: 17 Sep 2019 17:21

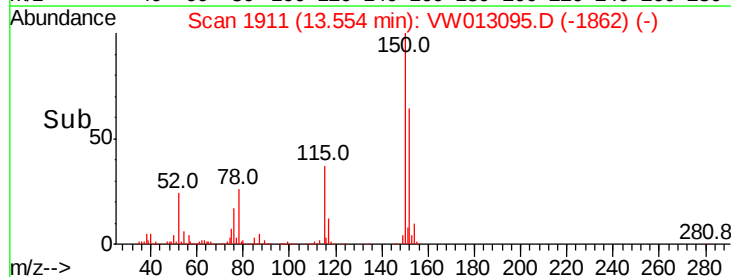
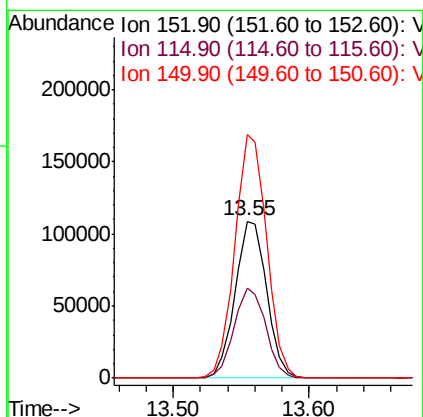
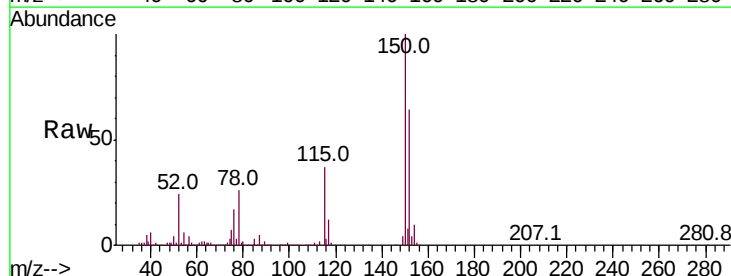
Instrument :
MSVOA_W
ClientSampleId :

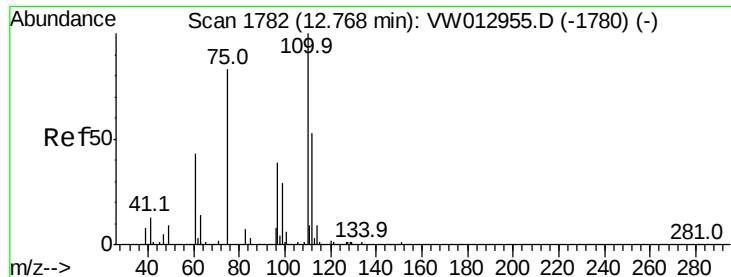
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.3	69.5
119	32.9	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013095.D
Acq: 17 Sep 2019 17:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.4
150	156.5	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 59.622 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

Instrument :

MSVOA_W

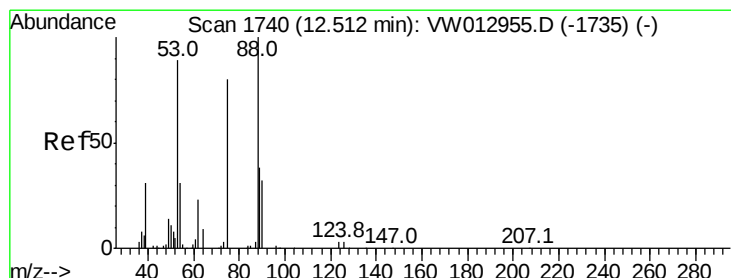
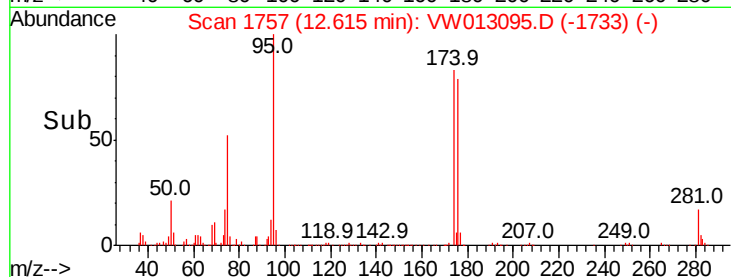
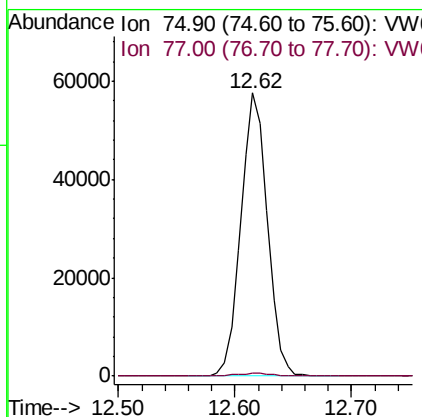
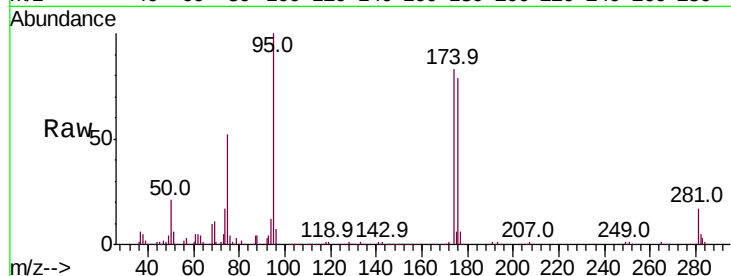
ClientSampleId :

Tot Ion: 75 Resp: 91882

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.250 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013095.D

Acq: 17 Sep 2019 17:21

Tgt Ion: 75 Resp: 91882

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.4 37.2 55.8#

