

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013087.D
 Acq On : 17 Sep 2019 13:55
 Operator : SY/VA
 Sample : K4873-03
 Misc : 5.75G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:32:45 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	299409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	454450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133662	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	153731	55.59	ug/l	0.00
Spiked Amount			Recovery	=	111.18%	
35) Dibromofluoromethane	7.88	113	131901	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.32	98	533838	55.32	ug/l	0.00
Spiked Amount			Recovery	=	110.64%	
62) 4-Bromofluorobenzene	12.62	95	157440	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	

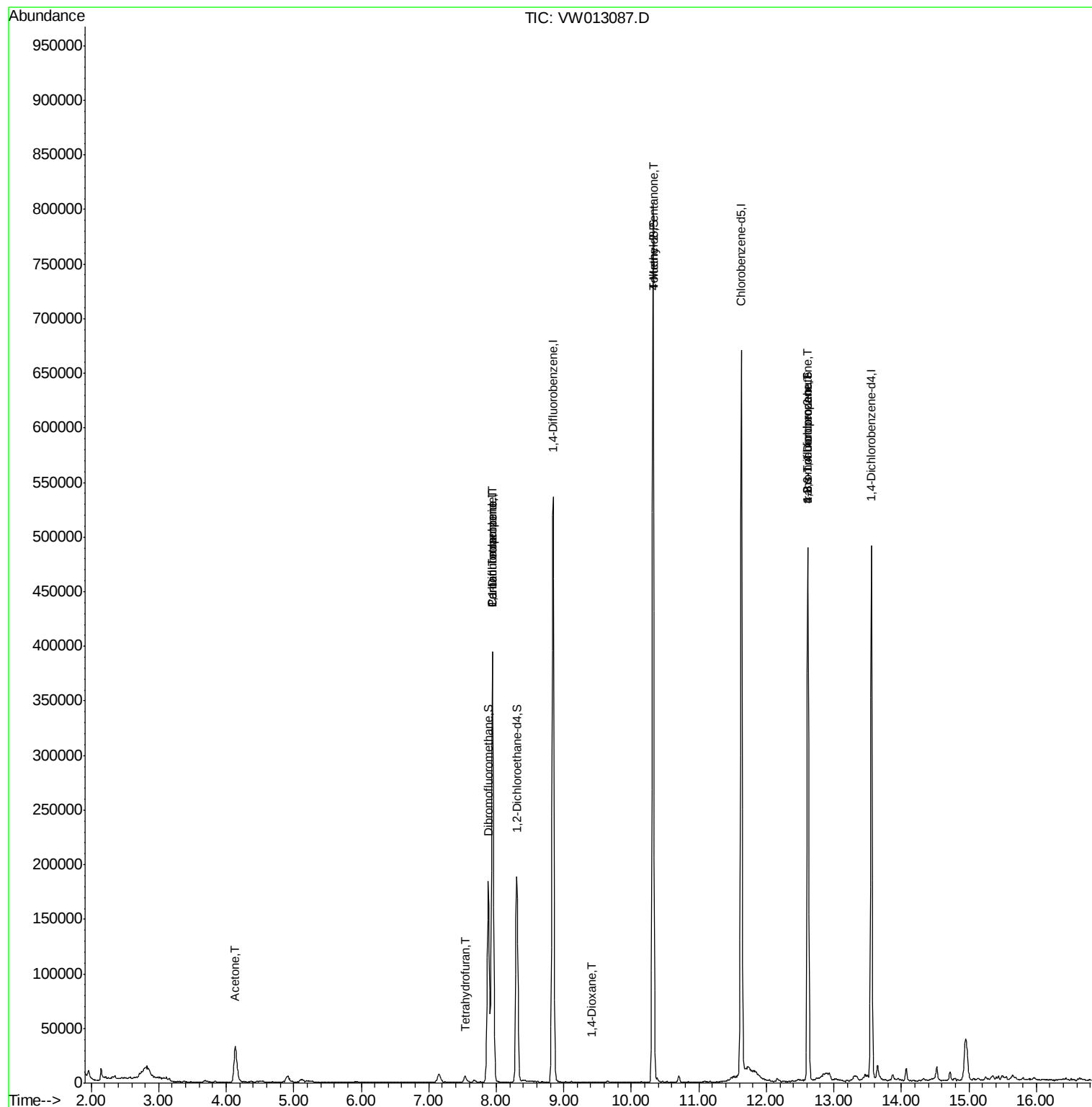
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	363	Below Cal		93
11) Tert butyl alcohol	5.20	59	655	Below Cal		98
13) Acrolein	3.89	56	24	Below Cal	#	15
16) Acetone	4.13	43	66941	99.820	ug/l	94
20) Methylene Chloride	4.92	84	4785	Below Cal	#	86
26) 2,2-Dichloropropane	7.13	77	490	Below Cal	#	63
29) Tetrahydrofuran	7.54	42	4466	8.914	ug/l	96
31) Cyclohexane	7.95	56	5981	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22480	6.190	ug/l	52
38) Carbon Tetrachloride	7.94	117	28064	7.541	ug/l	15
49) 1,4-Dioxane	9.41	88	25	1.156	ug/l	17
51) 4-Methyl-2-Pentanone	10.32	43	2608	1.365	ug/l	1
76) 1,2,3-Trichloropropane	12.62	75	79421	67.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79421	153.885	ug/l	7

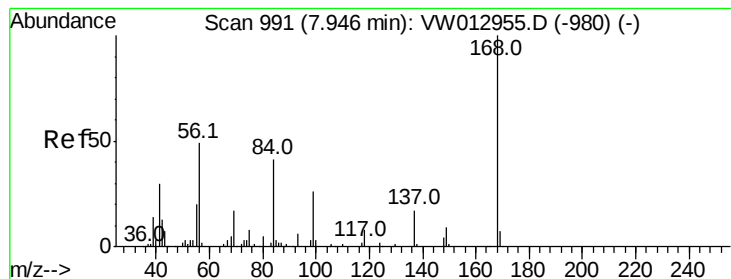
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091719\
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Quant 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: VW013087.D

Acq: 17 Sep 2019 13:55

Instrument :

MSVOA_W

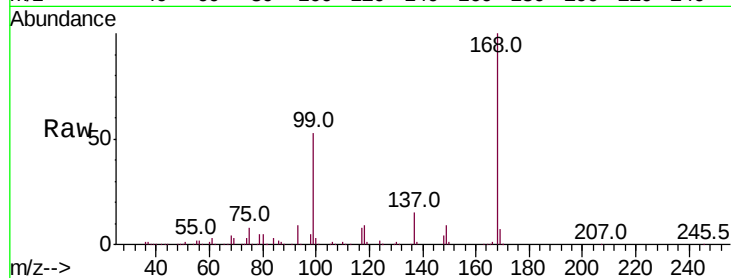
ClientSampled :

Tot Ion:168 Resp: 299409

Ion Ratio Lower Upper

168 100

99 52.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

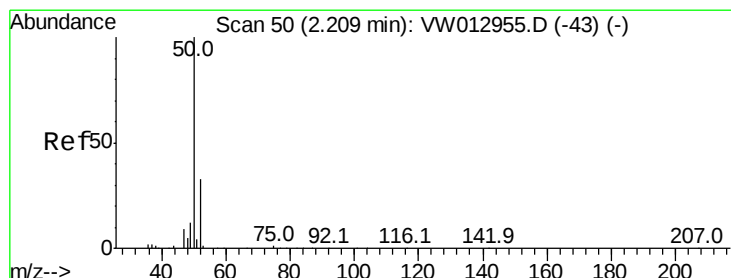
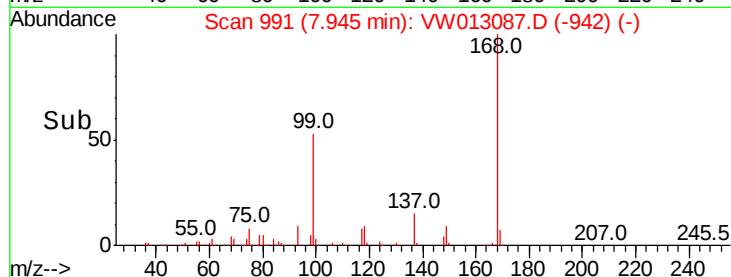
100000

50000

0

7.90 8.00

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013087.D

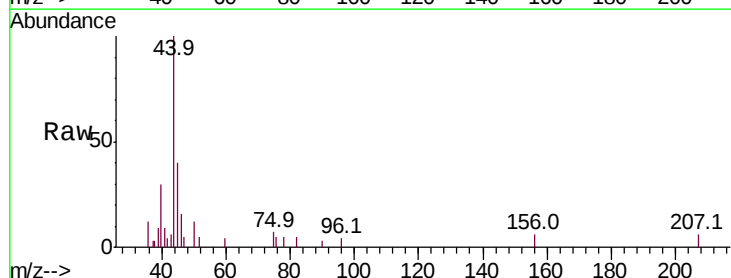
Acq: 17 Sep 2019 13:55

Tgt Ion: 50 Resp: 363

Ion Ratio Lower Upper

50 100

52 37.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

250

200

150

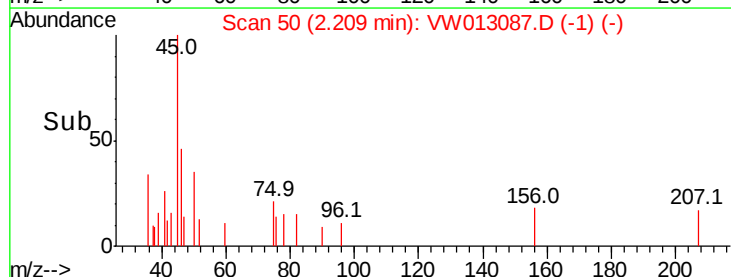
100

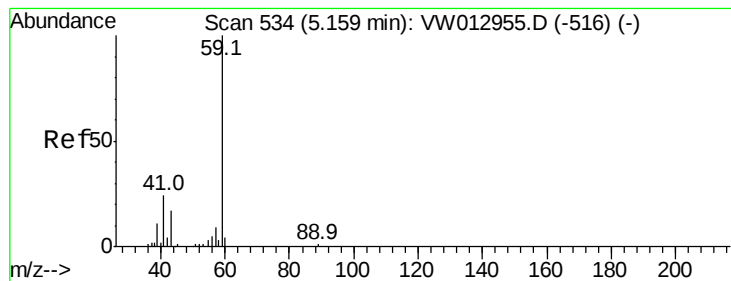
50

0

2.15 2.20 2.25

Time-->



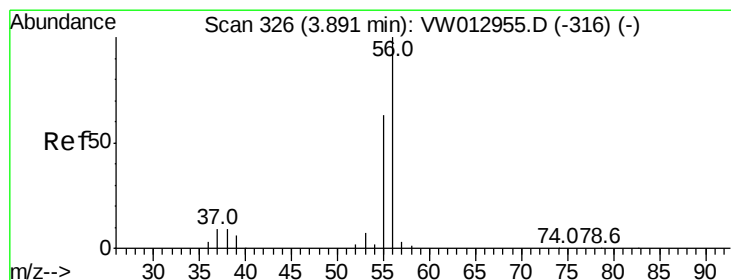
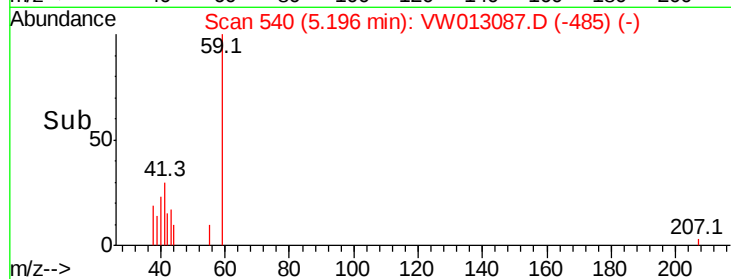
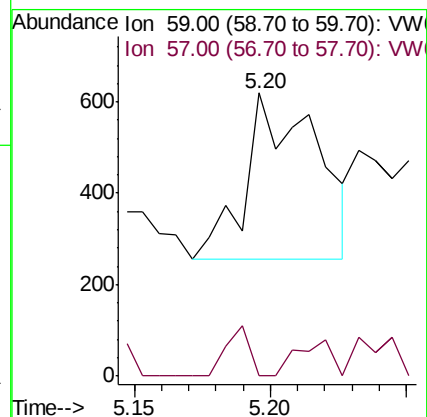
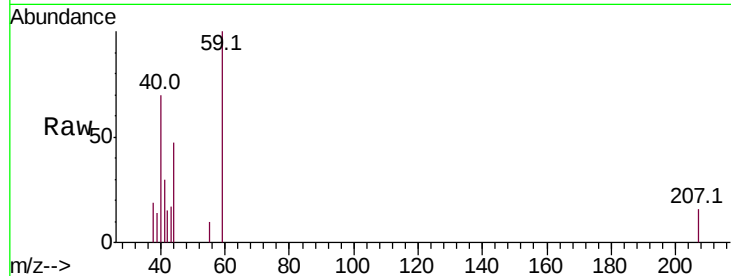


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. 0.04 min
Lab File: VW013087.D
Acq: 17 Sep 2019 13:55

Instrument :
MSVOA_W
ClientSampled :

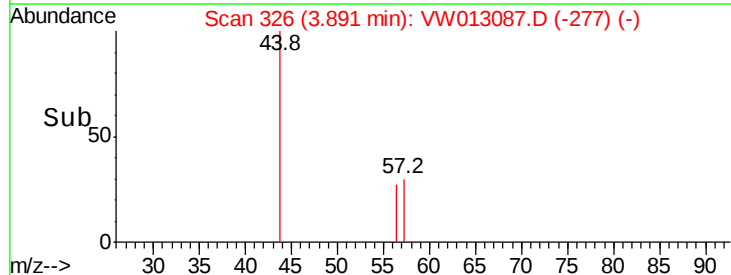
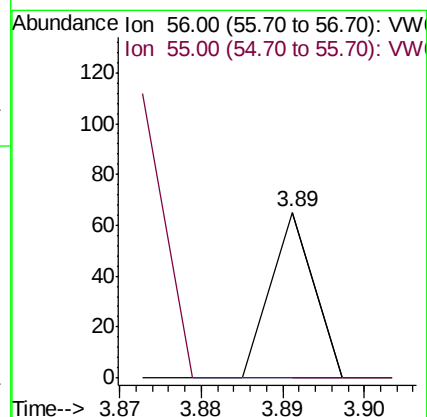
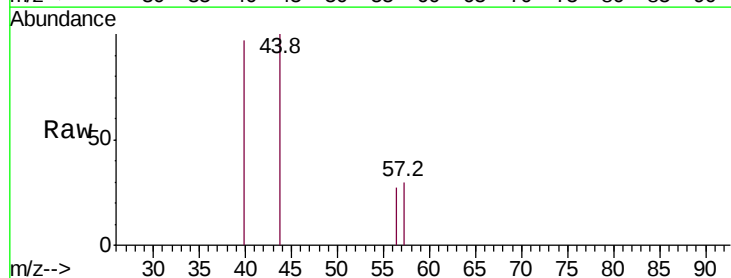
Tot Ion: 59 Resp: 655
Ion Ratio Lower Upper
59 100
57 9.8 8.5 12.7

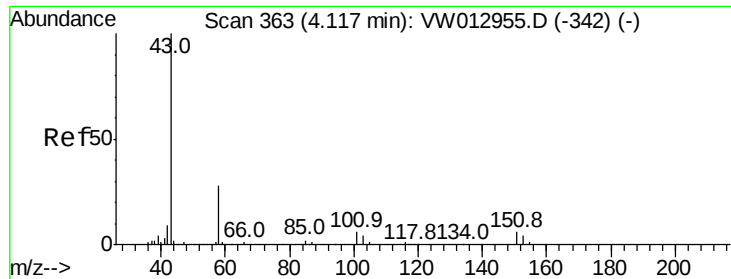


#13

Acrolein
Concen: Below Cal
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013087.D
Acq: 17 Sep 2019 13:55

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

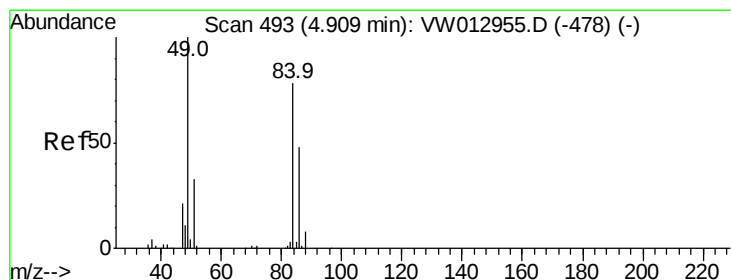
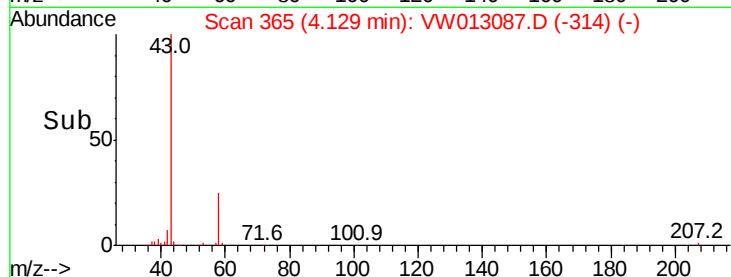
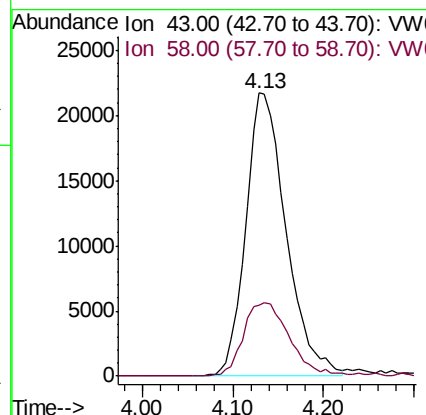
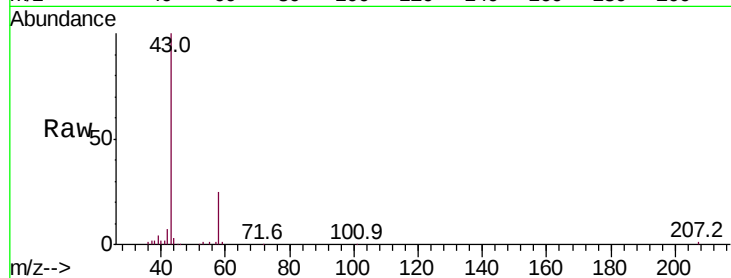




#16
Acetone
Concen: 99.820 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW013087.D
Acq: 17 Sep 2019 13:55

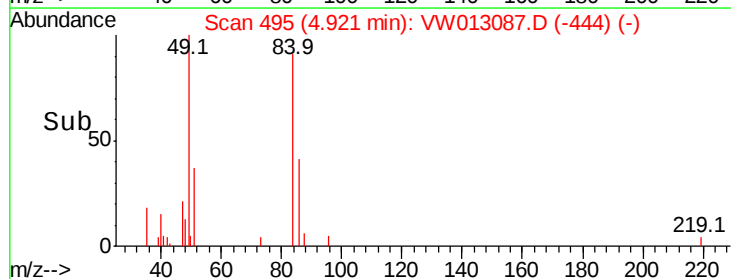
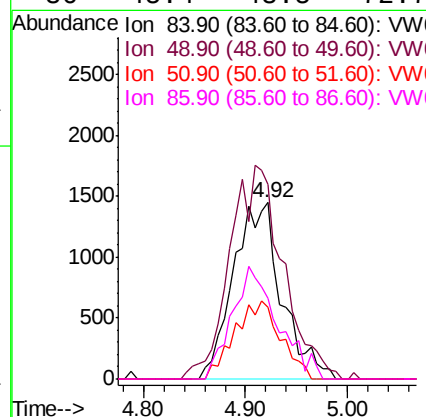
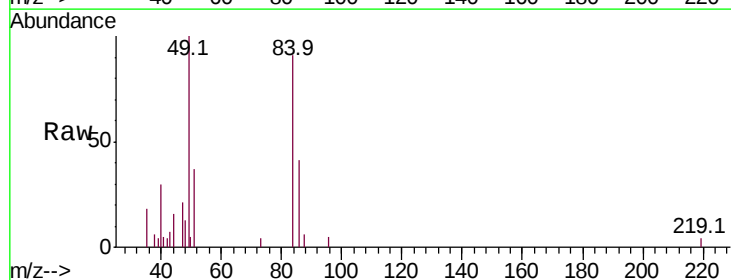
Instrument :
MSVOA_W
ClientSampleId :

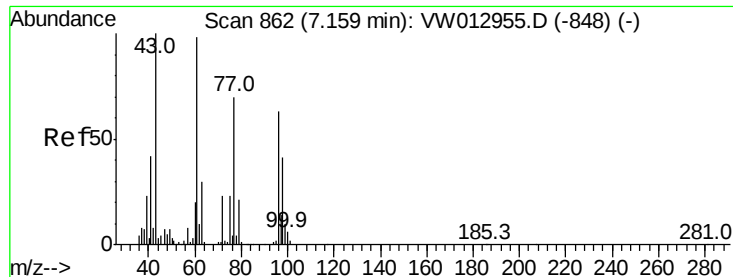
Tot Ion: 43 Resp: 66941
Ion Ratio Lower Upper
43 100
58 24.9 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013087.D
Acq: 17 Sep 2019 13:55

Tgt Ion: 84 Resp: 4785
Ion Ratio Lower Upper
84 100
49 110.4 102.0 153.0
51 40.8 34.0 51.0
86 45.4 48.5 72.7#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

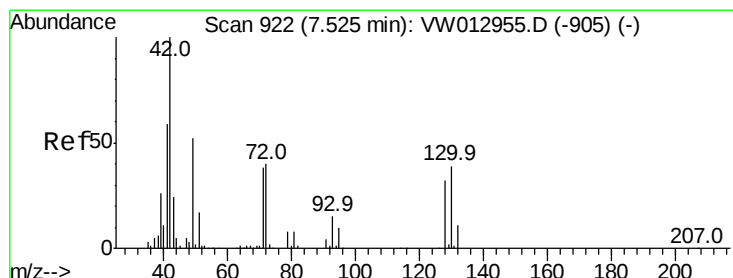
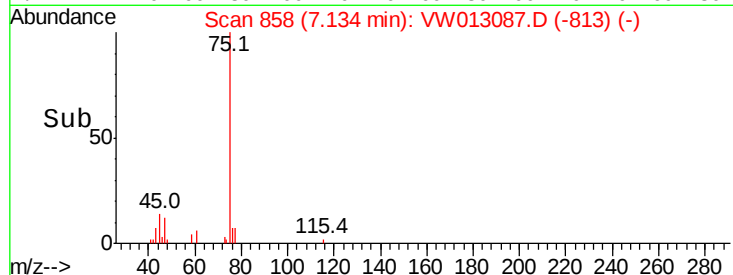
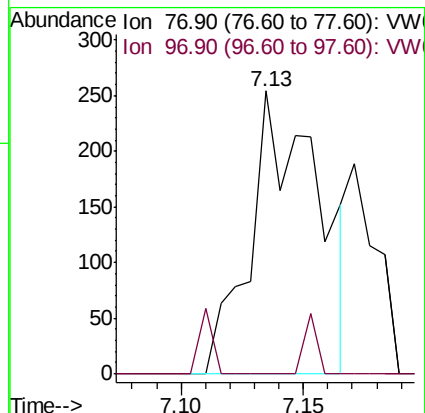
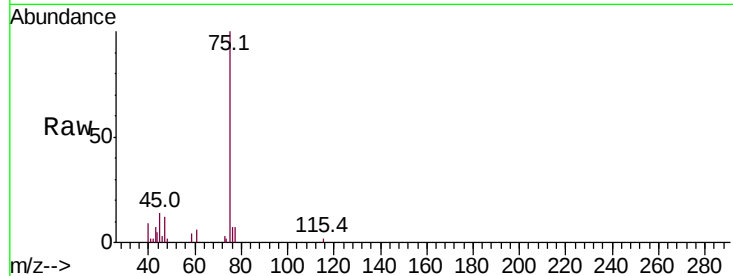
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 490

Ion Ratio Lower Upper

77 100

97 4.1 10.7 32.1#



#29

Tetrahydrofuran

Concen: 8.914 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

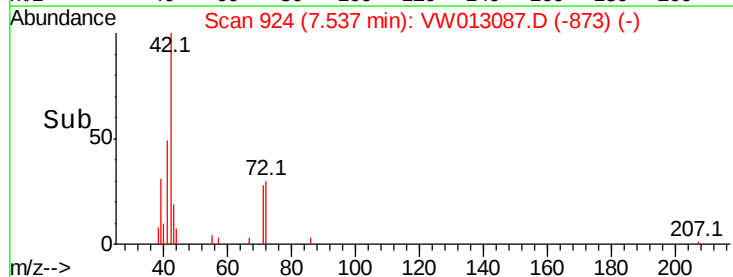
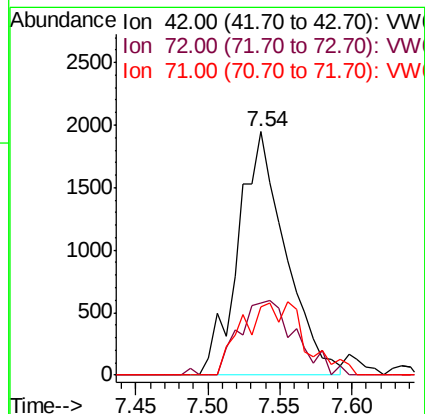
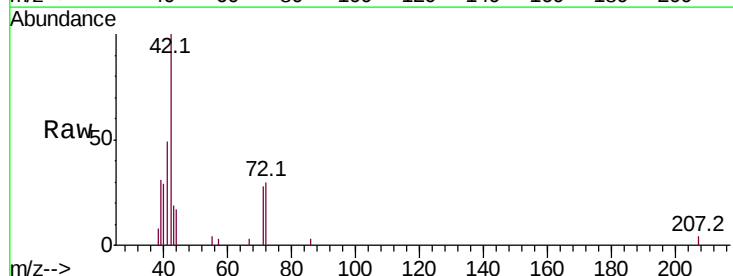
Tgt Ion: 42 Resp: 4466

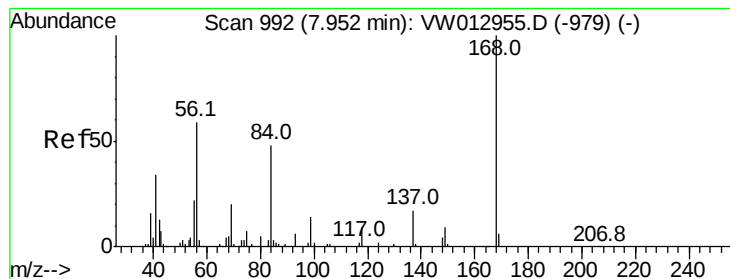
Ion Ratio Lower Upper

42 100

72 36.3 31.4 47.0

71 39.8 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

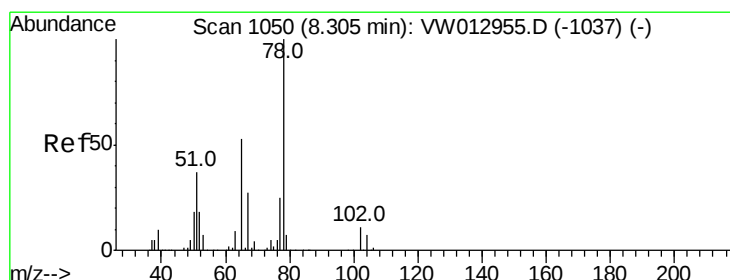
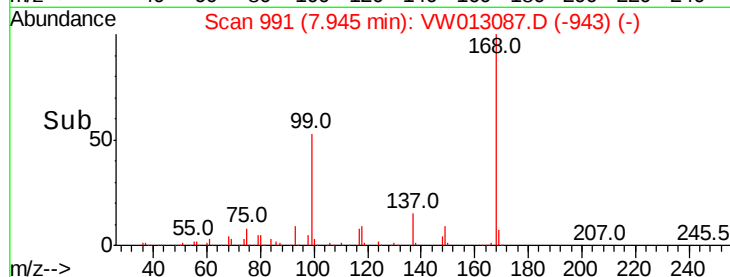
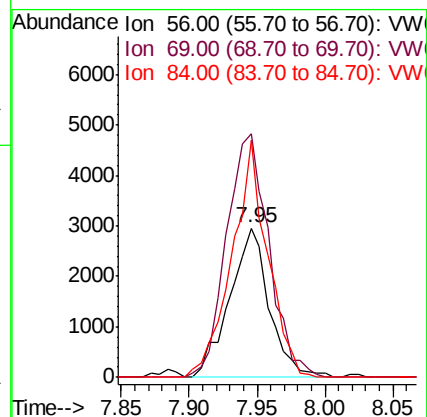
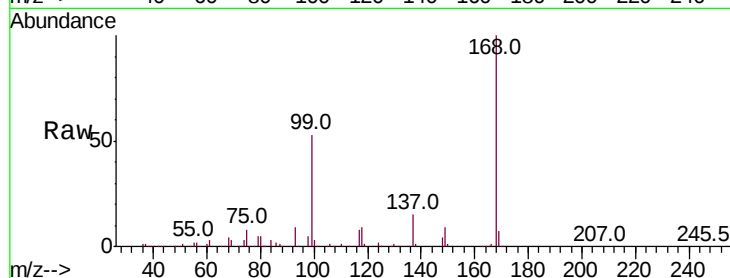
Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 5981

Ion	Ratio	Lower	Upper
56	100		
69	163.1	27.0	40.6#
84	158.9	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 55.594 ug/l

RT: 8.31 min Scan# 1050

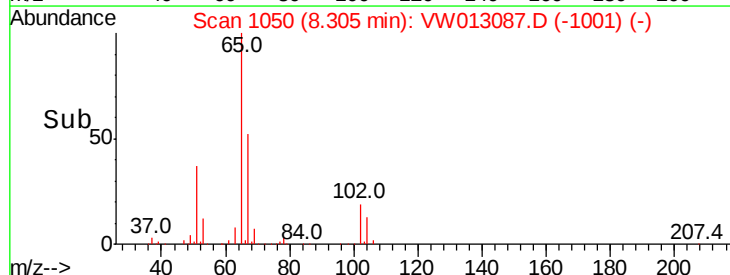
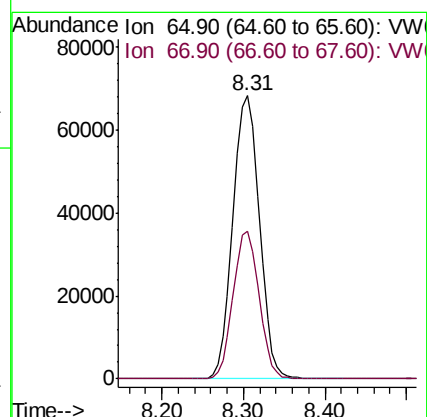
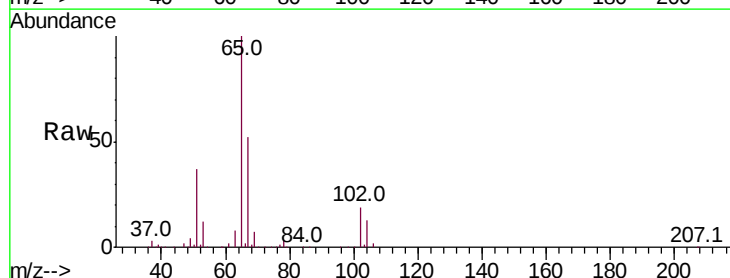
Delta R.T. -0.00 min

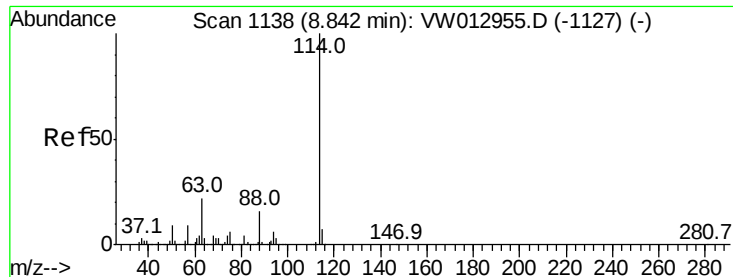
Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

Tgt Ion: 65 Resp: 153731

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.2

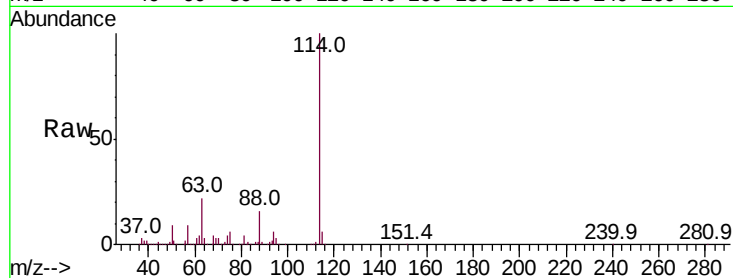




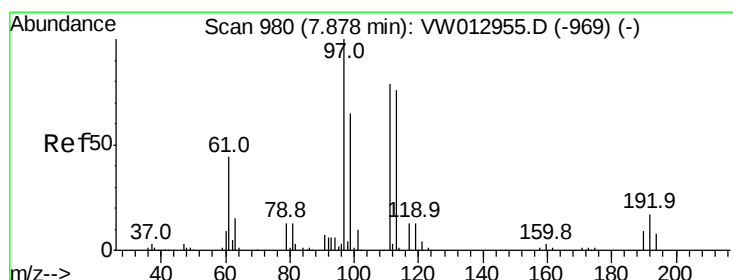
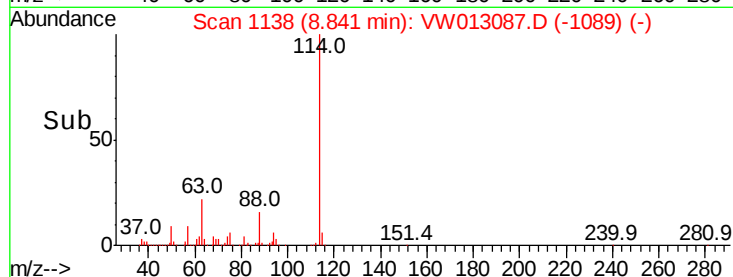
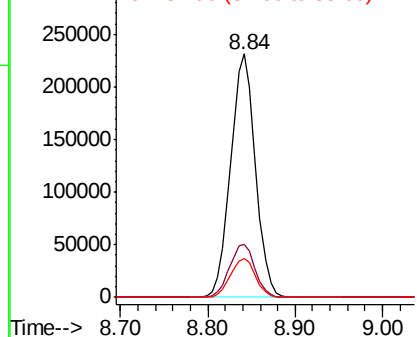
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013087.D
 Acq: 17 Sep 2019 13:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 454450
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 15.9 0.0 31.6

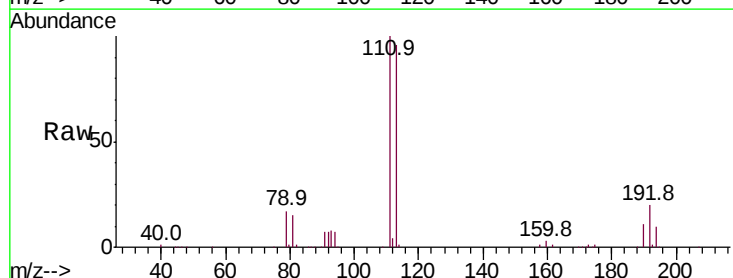


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

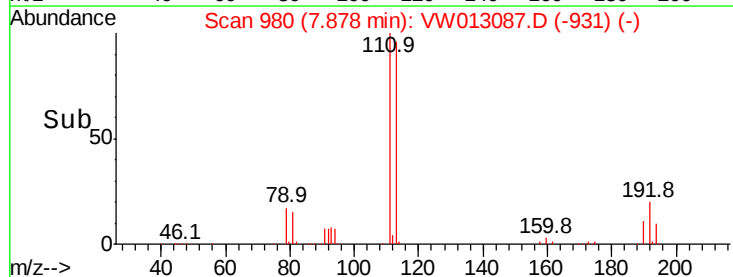
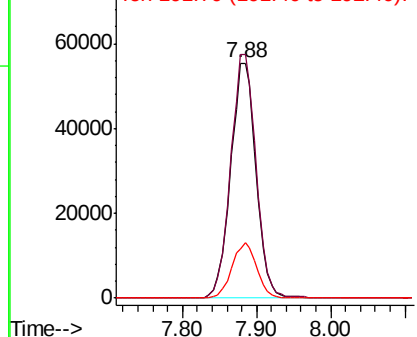


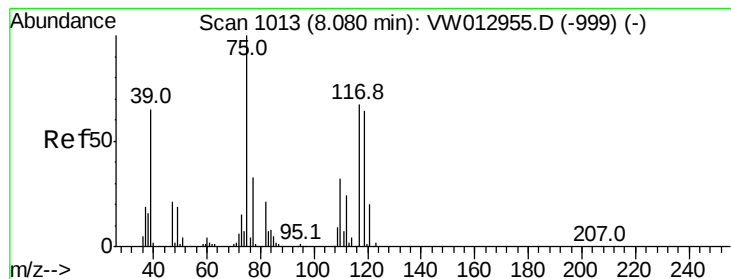
#35
 Dibromofluoromethane
 Concen: 53.490 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013087.D
 Acq: 17 Sep 2019 13:55

Tgt Ion:113 Resp: 131901
 Ion Ratio Lower Upper
 113 100
 111 103.4 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: 6.190 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

Instrument :

MSVOA_W

ClientSampled :

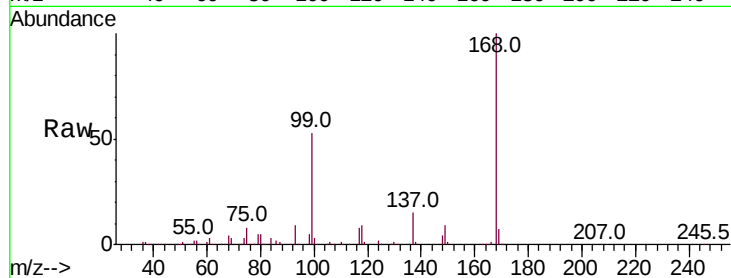
Tot Ion: 75 Resp: 22480

Ion Ratio Lower Upper

75 100

110 10.4 16.4 49.1#

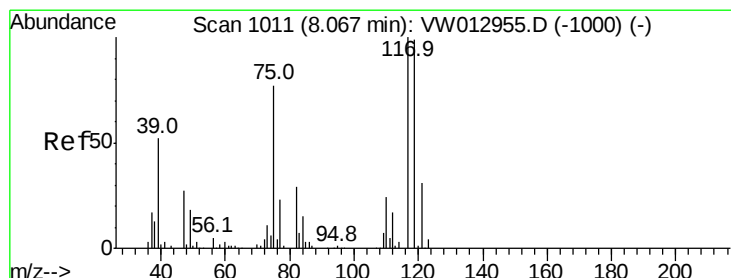
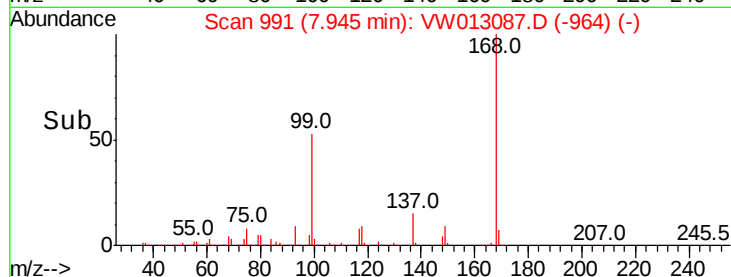
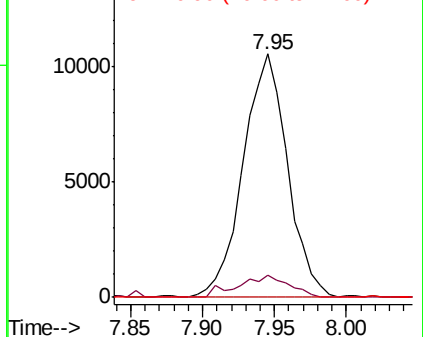
77 0.0 25.1 37.7#



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: 7.541 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

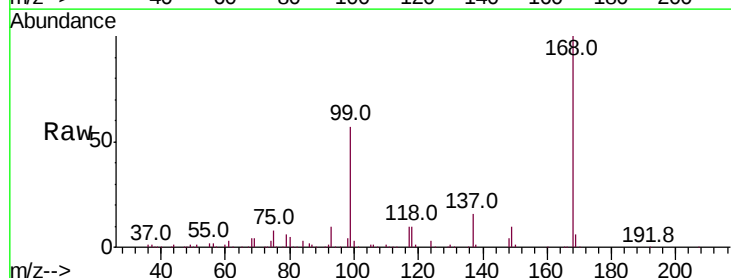
Tgt Ion: 117 Resp: 28064

Ion Ratio Lower Upper

117 100

119 5.9 79.4 119.0#

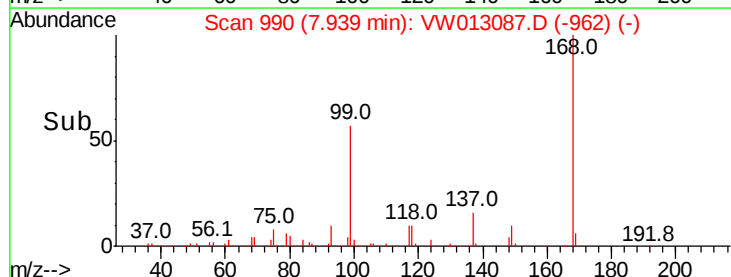
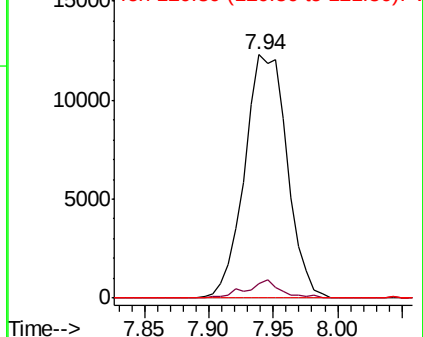
121 0.0 24.6 36.8#

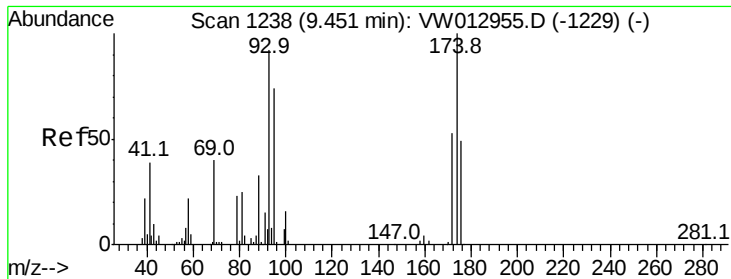


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

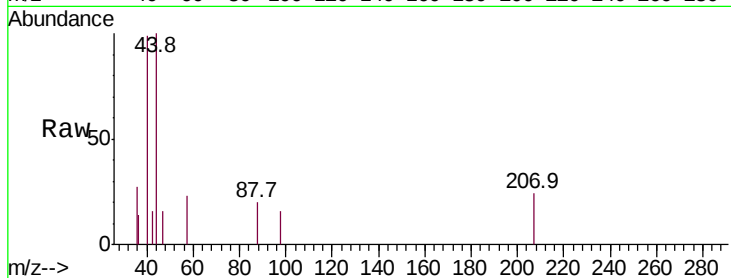




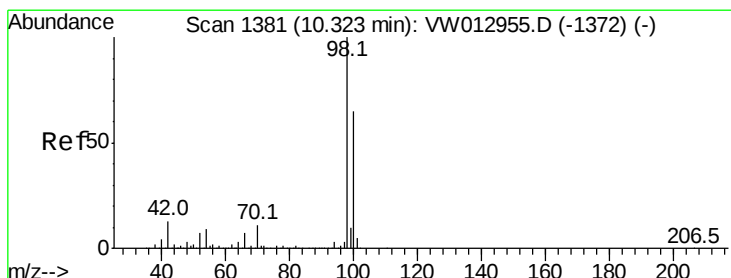
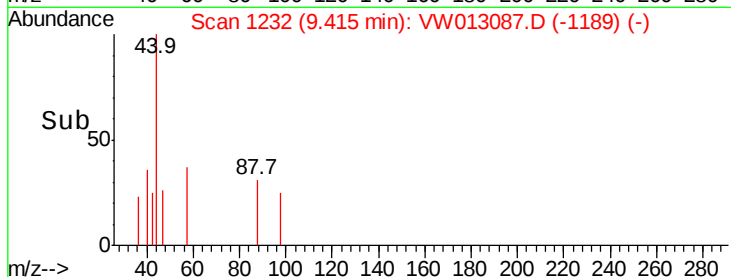
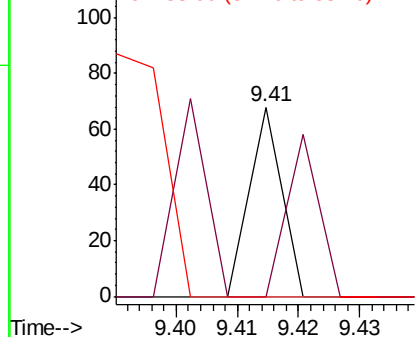
#49
 1,4-Dioxane
 Concen: 1.156 ug/l
 RT: 9.41 min Scan# 1232
 Delta R.T. -0.04 min
 Lab File: VW013087.D
 Acq: 17 Sep 2019 13:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 84.0 31.3 46.9#
 58 0.0 60.2 90.2#

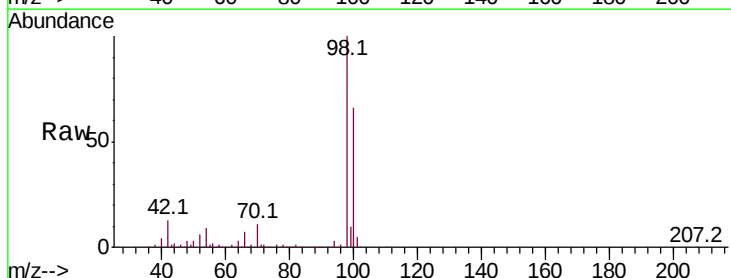


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

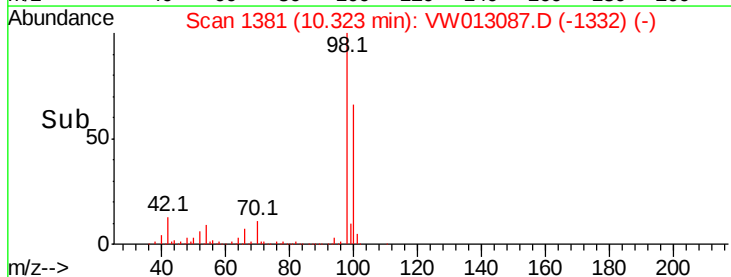
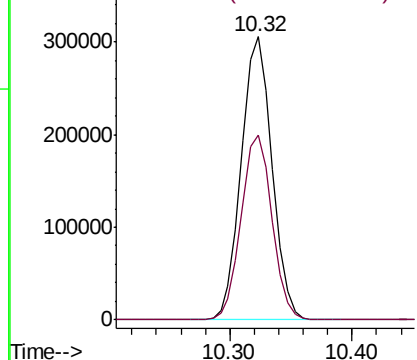


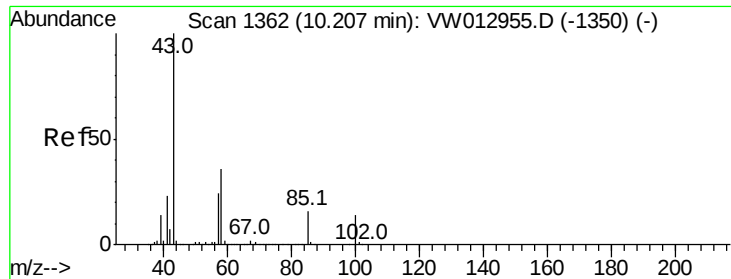
#50
 Toluene-d8
 Concen: 55.324 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013087.D
 Acq: 17 Sep 2019 13:55

Tgt Ion: 98 Resp: 533838
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.365 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

Instrument :

MSVOA_W

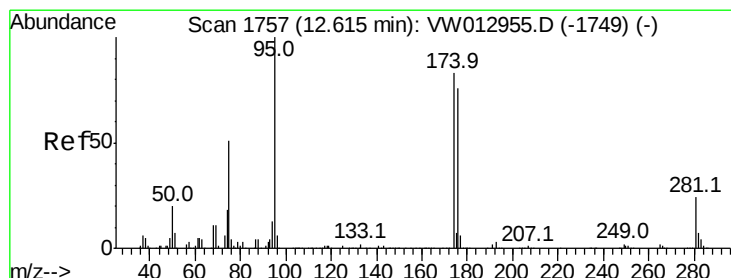
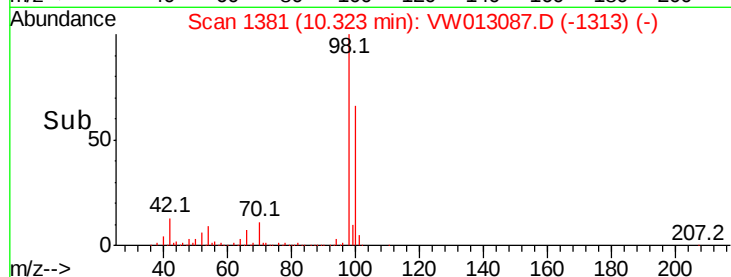
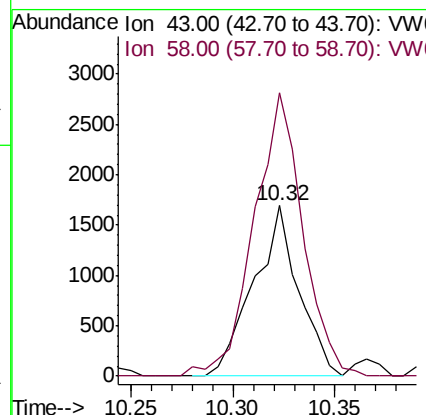
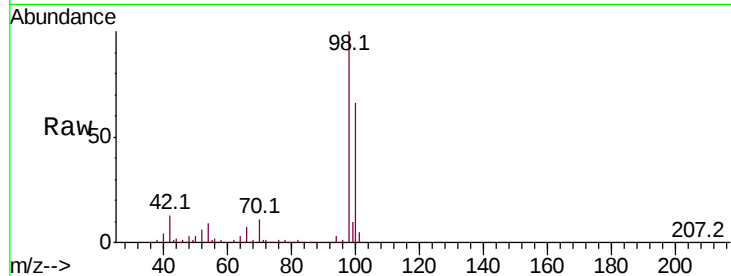
ClientSampleId :

Tot Ion: 43 Resp: 2608

Ion Ratio Lower Upper

43 100

58 179.0 29.5 44.3#



#62

4-Bromofluorobenzene

Concen: 45.376 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

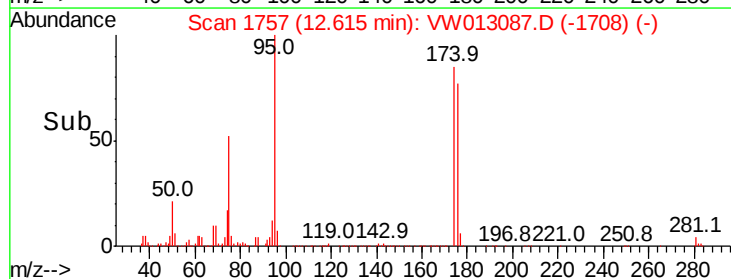
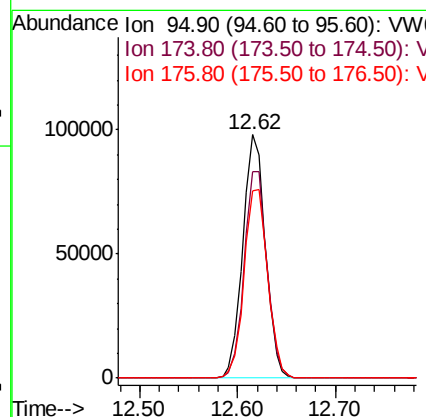
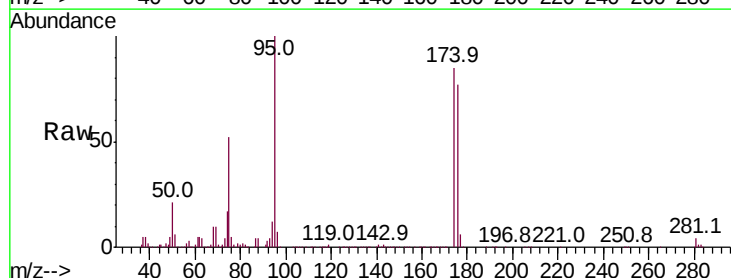
Tgt Ion: 95 Resp: 157440

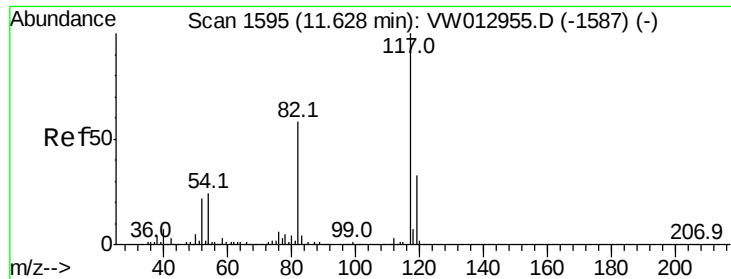
Ion Ratio Lower Upper

95 100

174 85.8 0.0 170.4

176 80.8 0.0 164.6

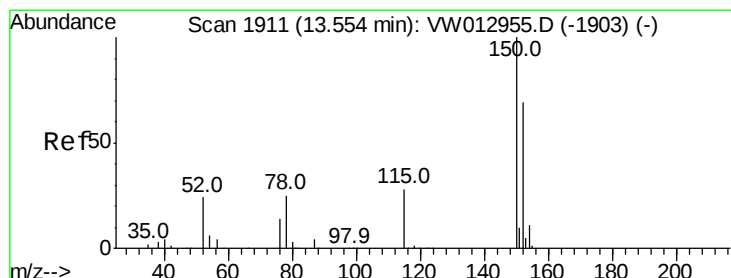
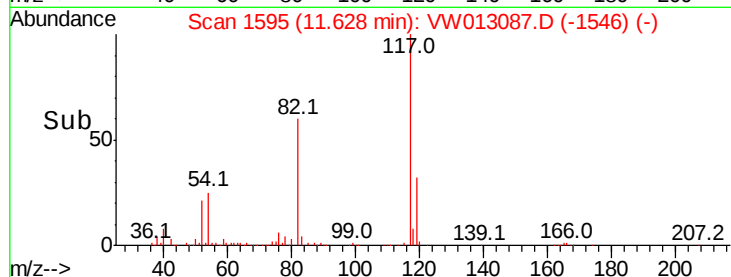
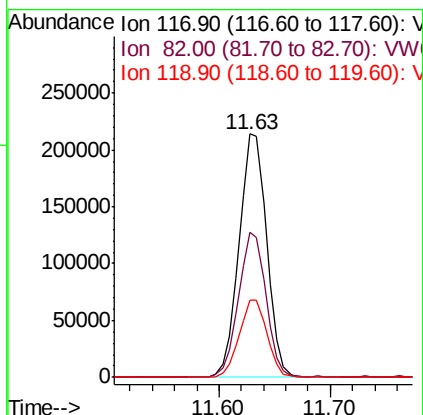
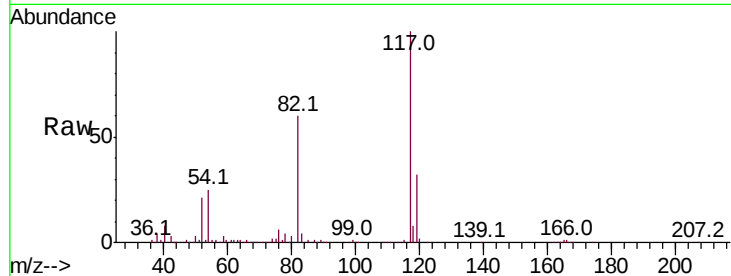




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013087.D
Acq: 17 Sep 2019 13:55

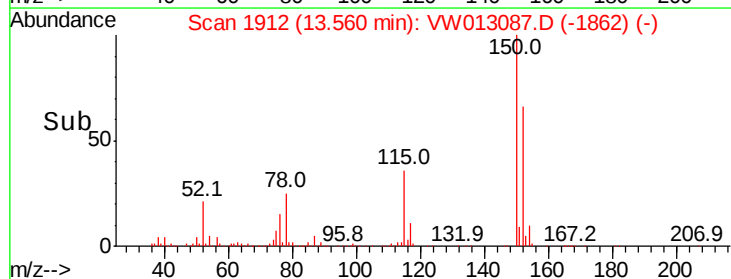
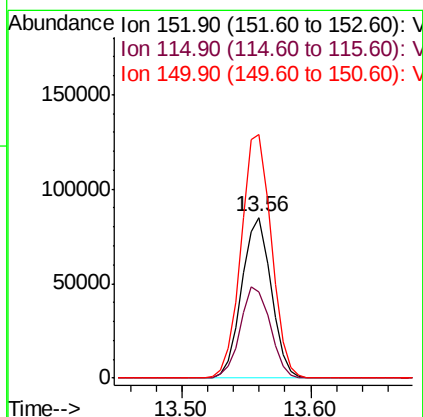
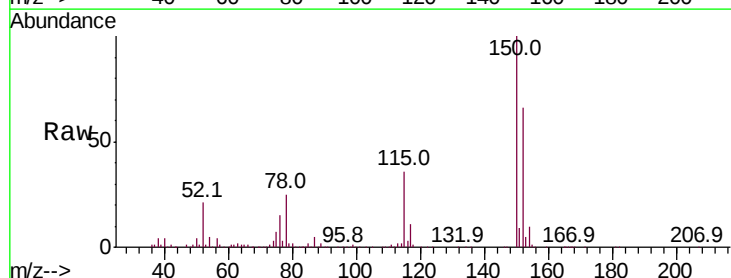
Instrument :
MSVOA_W
ClientSampled :

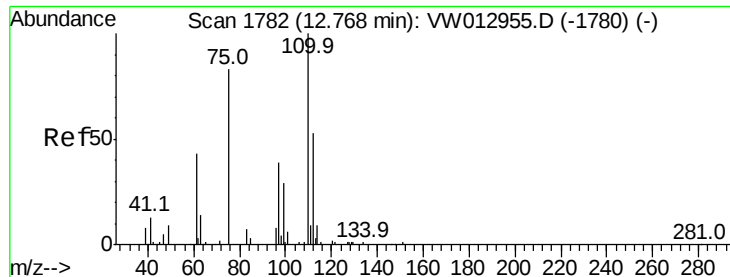
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	46.3	69.5
119	31.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013087.D
Acq: 17 Sep 2019 13:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.8	86.4
150	156.6	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 67.836 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

Instrument :

MSVOA_W

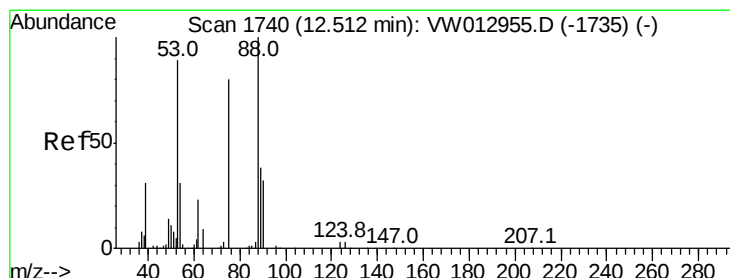
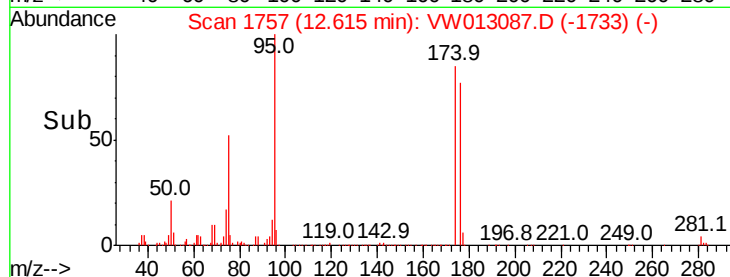
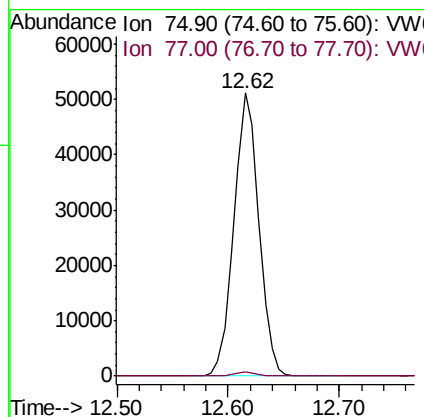
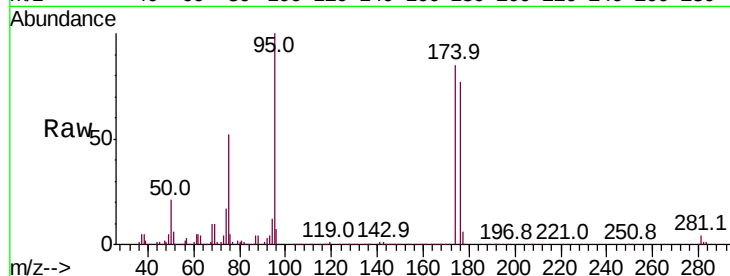
ClientSampled :

Tot Ion: 75 Resp: 79421

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 153.885 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013087.D

Acq: 17 Sep 2019 13:55

Tgt Ion: 75 Resp: 79421

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#

