

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060993.D
 Acq On : 8 Mar 2019 19:40
 Operator : VA/AP
 Sample : K1807-15RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8

Quant Time: Mar 08 22:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

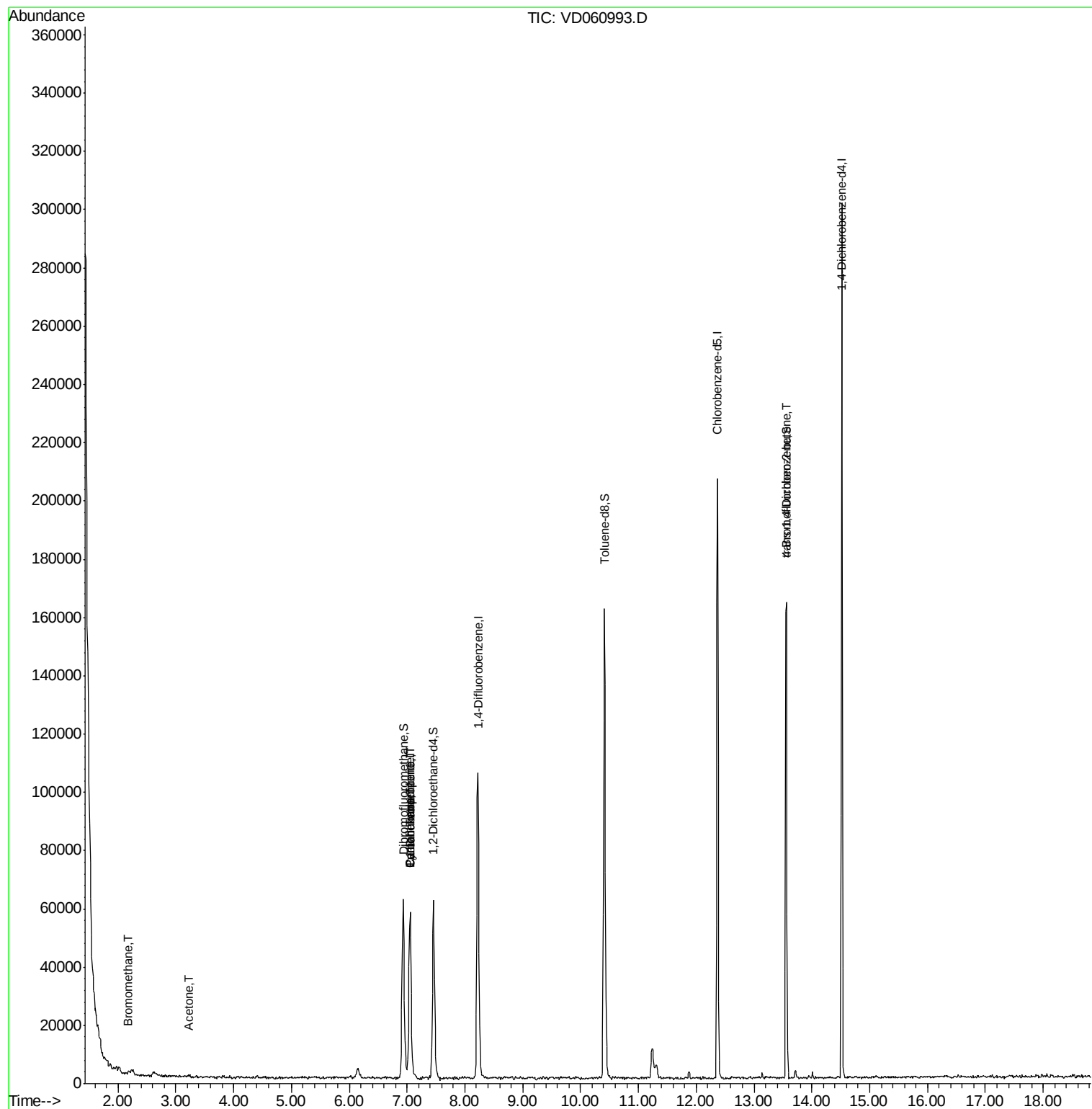
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	64811	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	134555	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	128796	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	70300	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	57937	107.40	ug/l	0.01
Spiked Amount	50.000		Recovery	=	214.80%	
35) Dibromofluoromethane	6.94	113	62078	62.17	ug/l	0.01
Spiked Amount	50.000		Recovery	=	124.34%	
50) Toluene-d8	10.41	98	142026	56.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.28%	
62) 4-Bromofluorobenzene	13.55	95	60381	62.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.12%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	370	2.916	ug/l #	1
16) Acetone	3.22	43	653	4.233	ug/l #	48
20) Methylene Chloride	3.82	84	187	Below Cal	#	59
31) Cyclohexane	7.05	56	405	0.424	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	4105	3.539	ug/l #	39
38) Carbon Tetrachloride	7.05	117	5787	4.530	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.55	75	21936	73.566	ug/l #	17

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

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Quant Time: Mar 08 22:07:53 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

Instrument :

MSVOA_D

ClientSampleId :

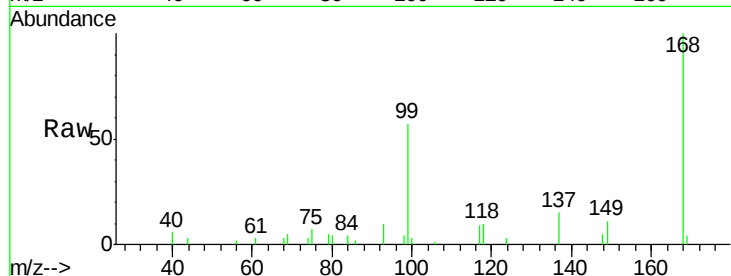
TP-8

Tot Ion:168 Resp: 64811

Ion Ratio Lower Upper

168 100

99 56.7 47.3 70.9

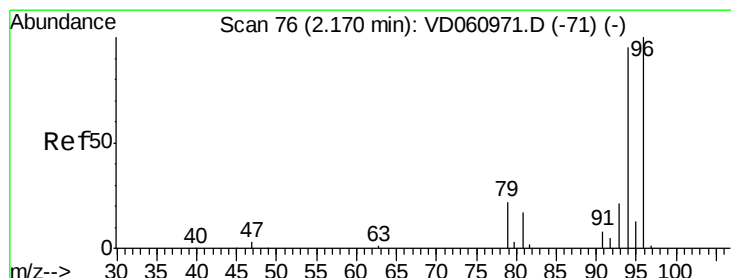
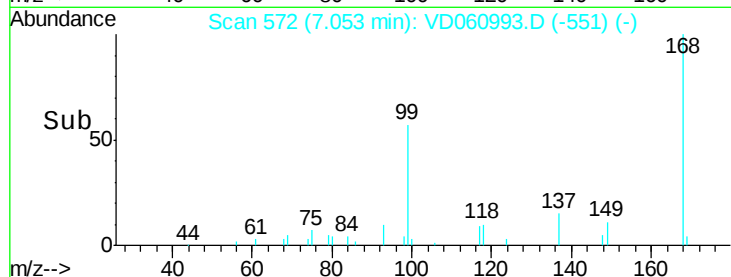


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.916 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

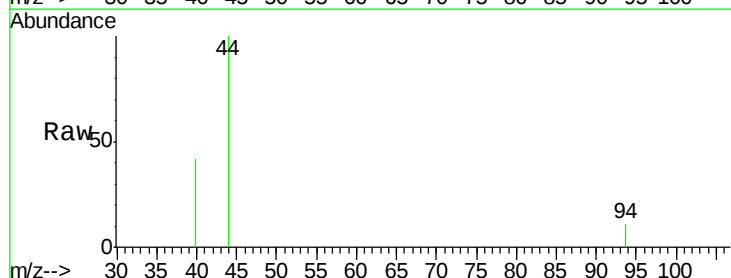
Tgt Ion: 94 Resp: 370

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

93 100.0 17.3 25.9#



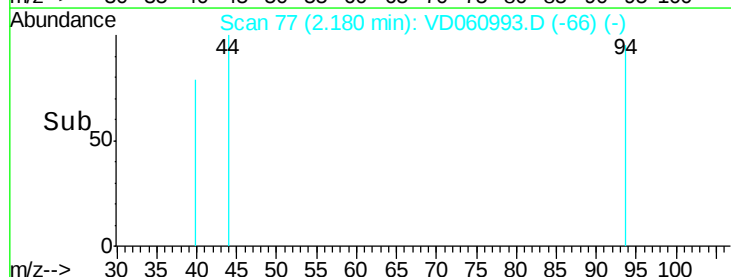
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.18

Time--> 2.14 2.16 2.18 2.20 2.22





#16

Acetone

Concen: 4.233 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

Instrument :

MSVOA_D

ClientSampleId :

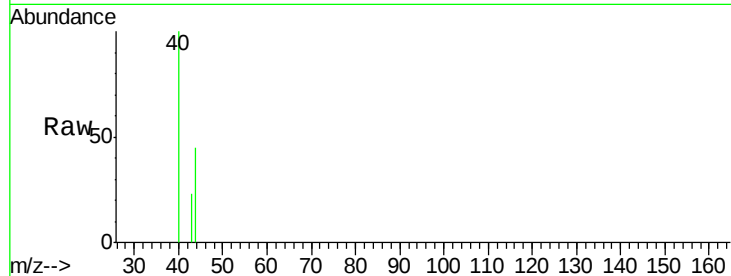
TP-8

Tot Ion: 43 Resp: 653

Ion Ratio Lower Upper

43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

400

300

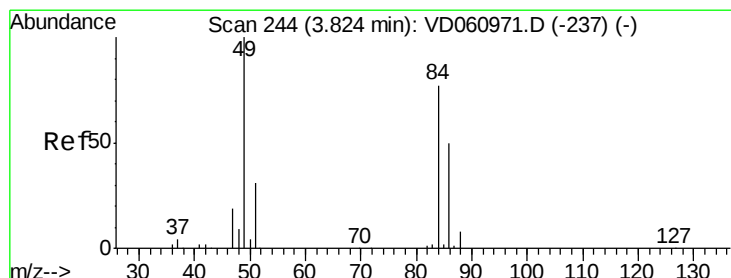
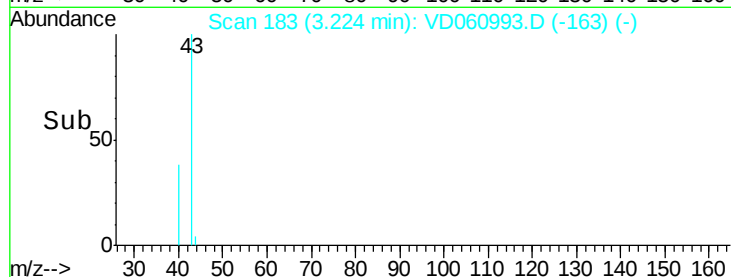
200

100

0

3.20 3.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

Tgt Ion: 84 Resp: 187

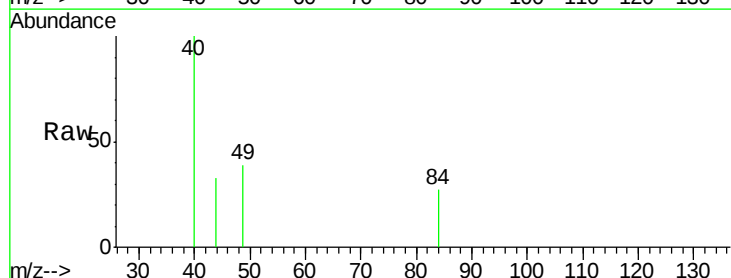
Ion Ratio Lower Upper

84 100

49 145.7 104.2 156.2

51 0.0 32.3 48.5#

86 0.0 52.3 78.5#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

800

600

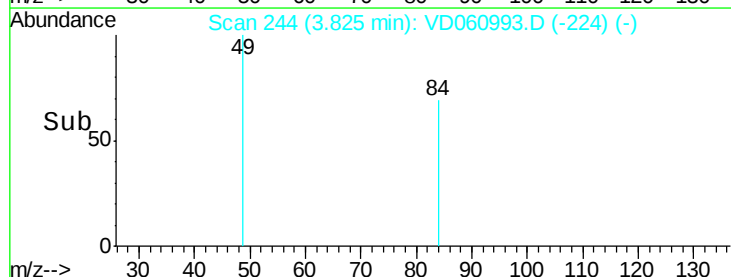
400

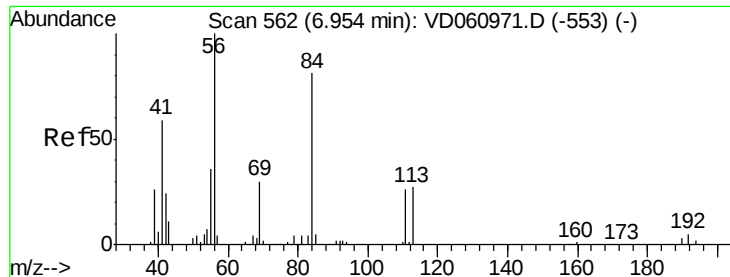
200

0

3.80 3.82 3.84

Time-->

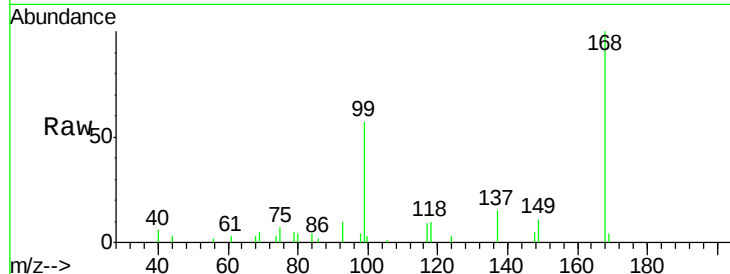




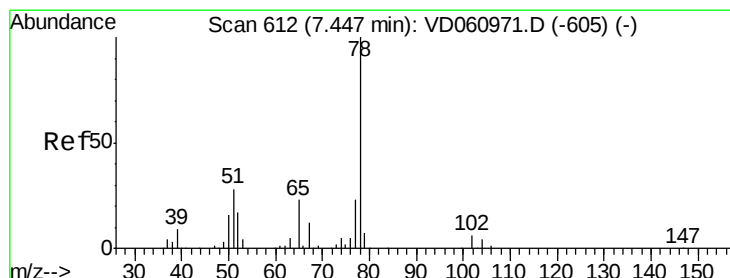
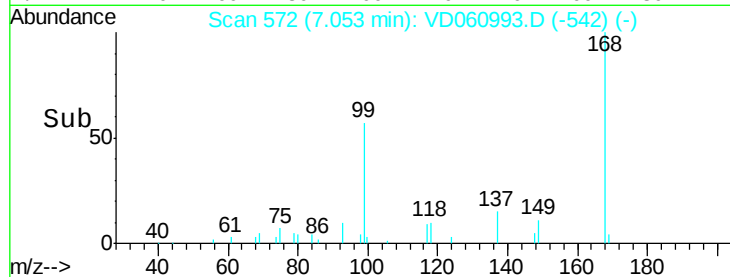
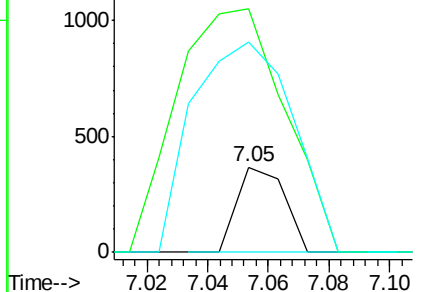
#31
Cyclohexane
Concen: 0.424 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD060993.D
Acq: 8 Mar 2019 19:40

Instrument :
MSVOA_D
ClientSampleId :
TP-8

Tot Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
69 286.4 24.0 36.0#
84 246.6 65.8 98.6#

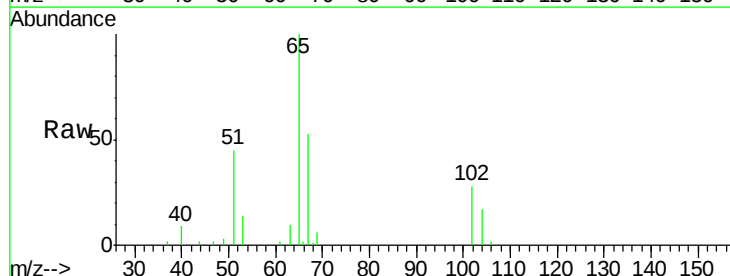


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

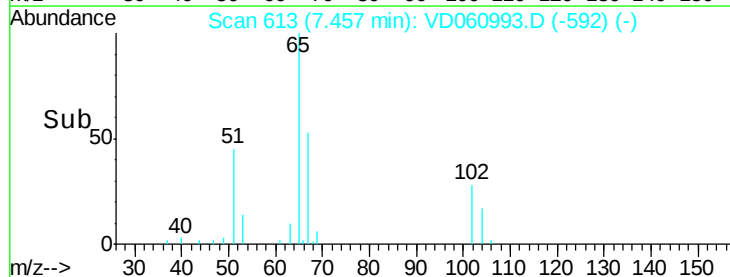
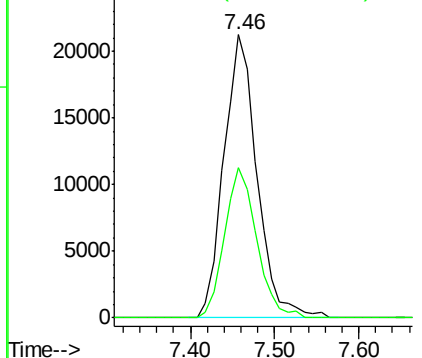


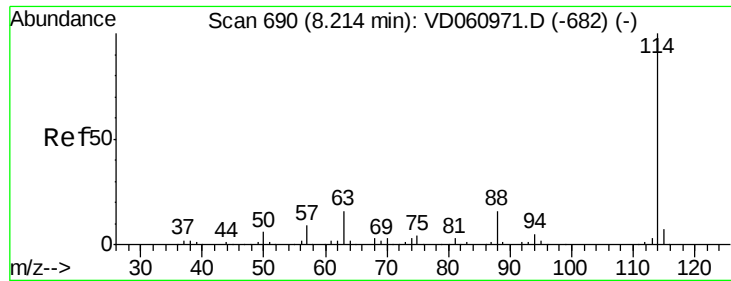
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD060993.D
Acq: 8 Mar 2019 19:40

Tgt Ion: 65 Resp: 57937
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

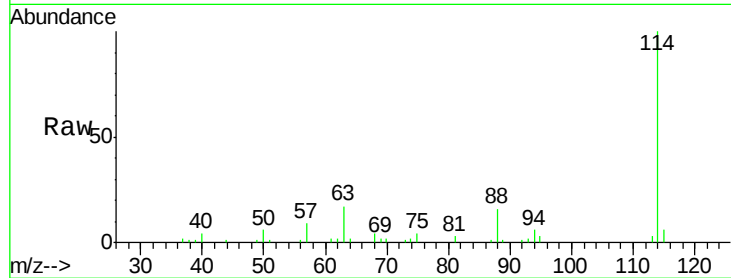




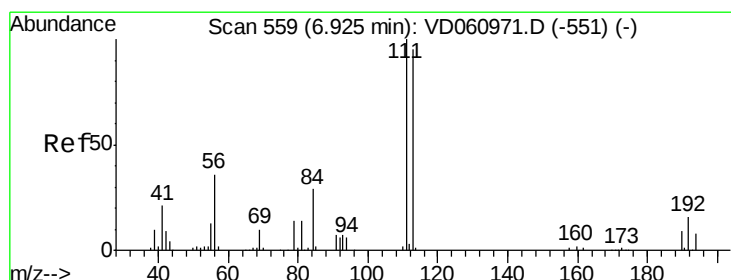
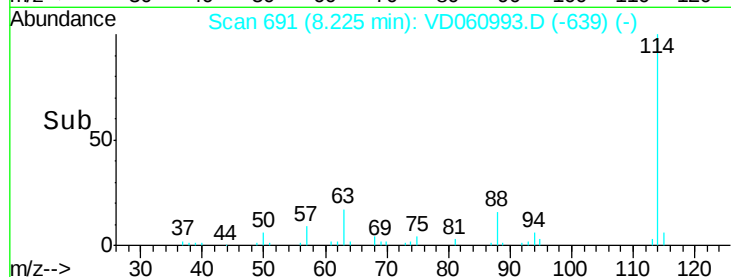
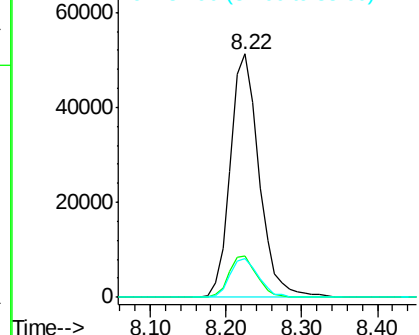
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD060993.D
 Acq: 8 Mar 2019 19:40

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-8

Tot Ion:114 Resp: 134555
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 31.4
 88 16.1 0.0 33.0

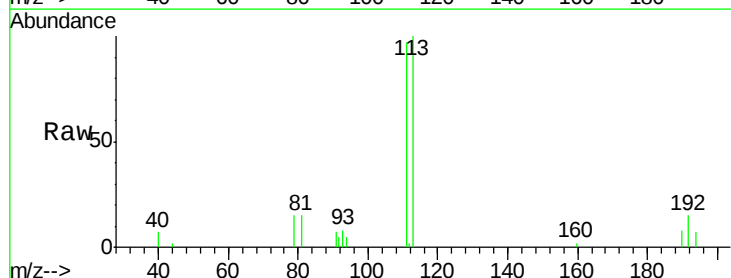


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

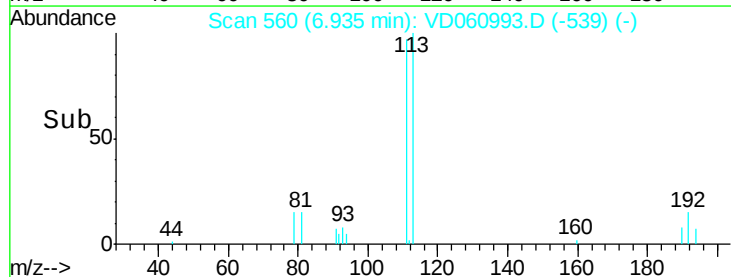
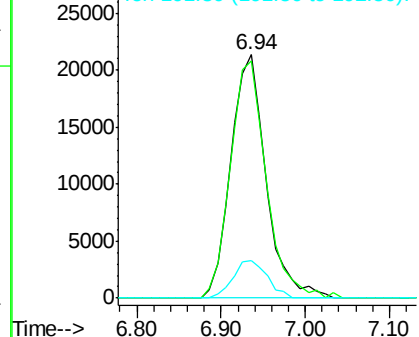


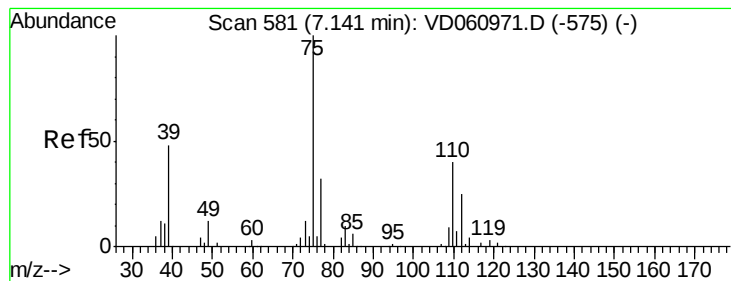
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD060993.D
 Acq: 8 Mar 2019 19:40

Tgt Ion:113 Resp: 62078
 Ion Ratio Lower Upper
 113 100
 111 97.4 84.2 126.4
 192 15.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.539 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

Instrument :

MSVOA_D

ClientSampled :

TP-8

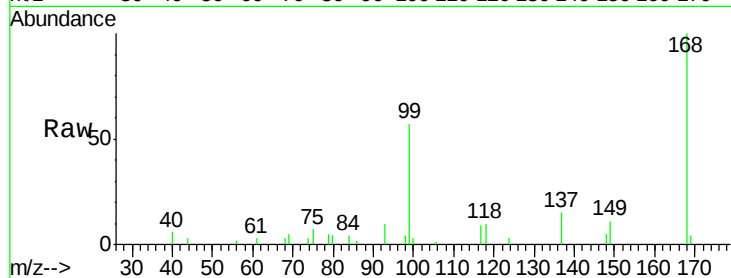
Tot Ion: 75 Resp: 4105

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

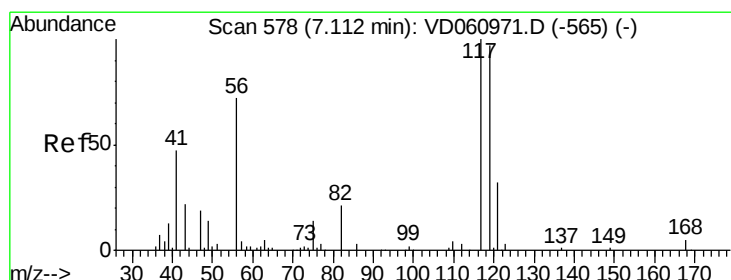
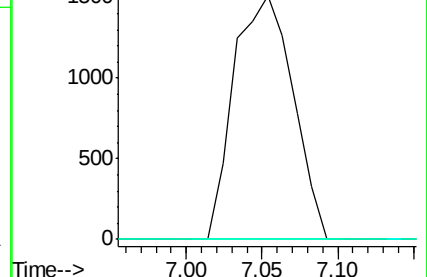
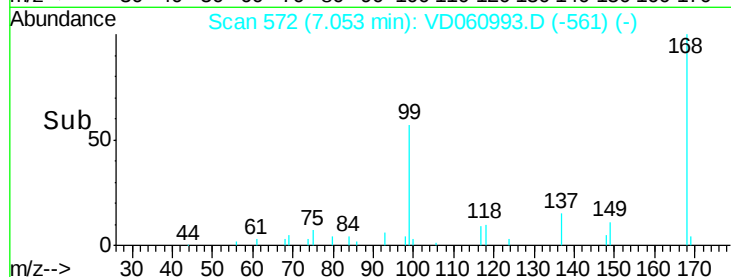
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.530 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

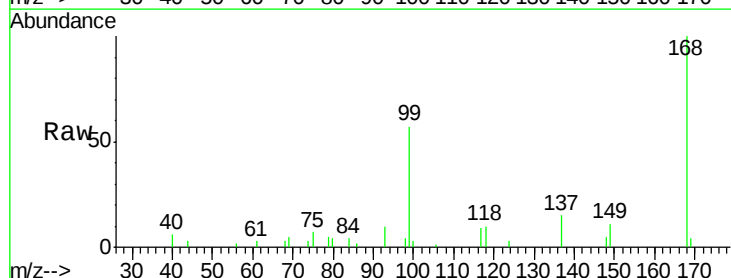
Tgt Ion: 117 Resp: 5787

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

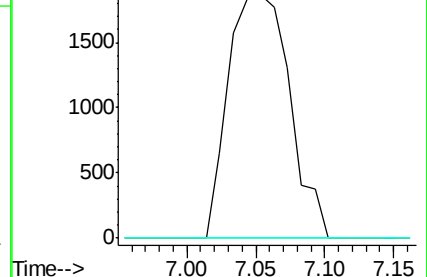
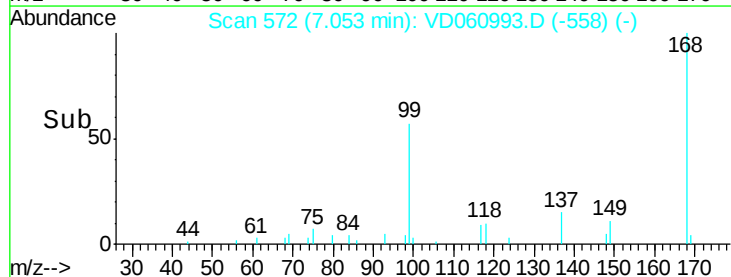
121 0.0 25.3 37.9#

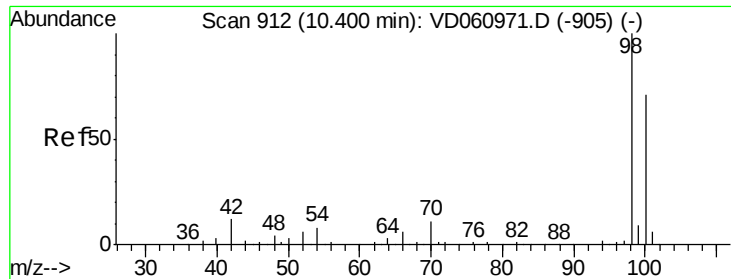


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

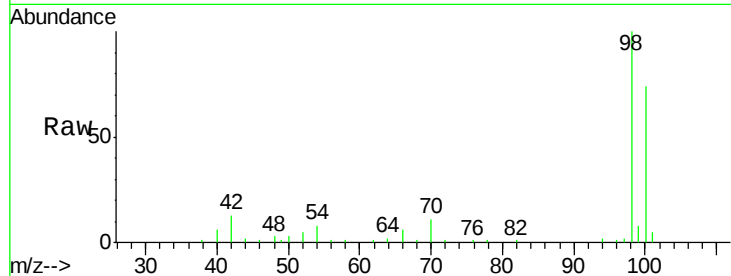
Instrument :
MSVOA_D
ClientSampleId :
TP-8

Tot Ion: 98 Resp: 142026

Ion Ratio Lower Upper

98 100

100 73.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

60000

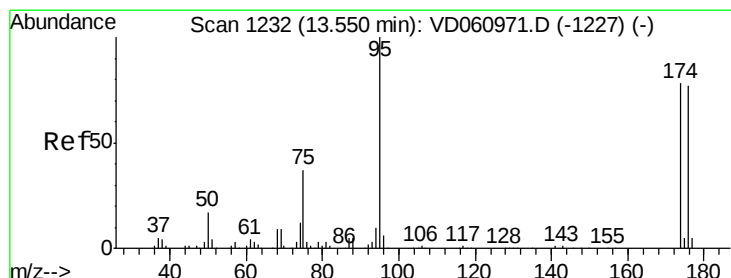
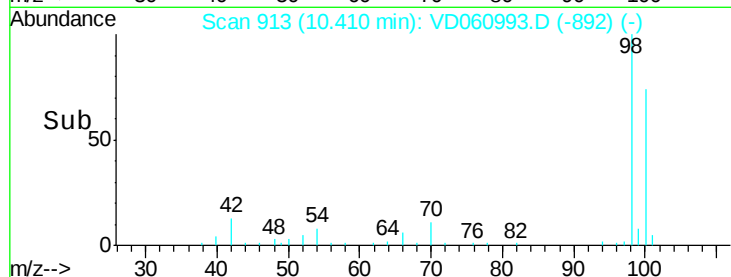
40000

20000

0

10.30 10.40 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

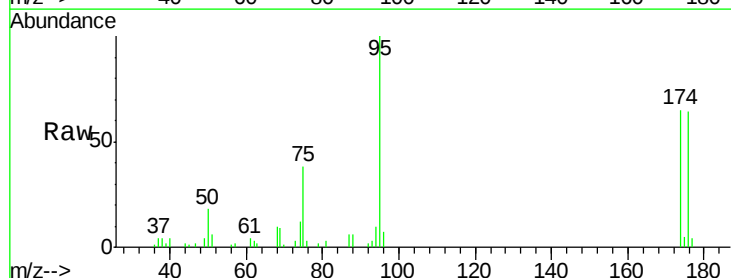
Tgt Ion: 95 Resp: 60381

Ion Ratio Lower Upper

95 100

174 65.2 0.0 155.6

176 63.9 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

50000

40000

30000

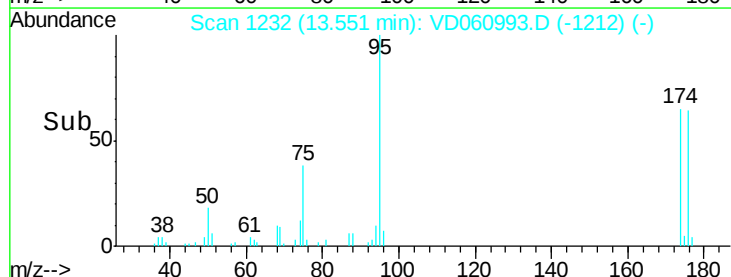
20000

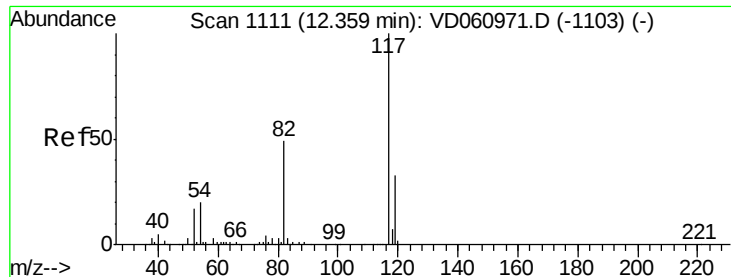
10000

0

13.50 13.55 13.60

Time-->

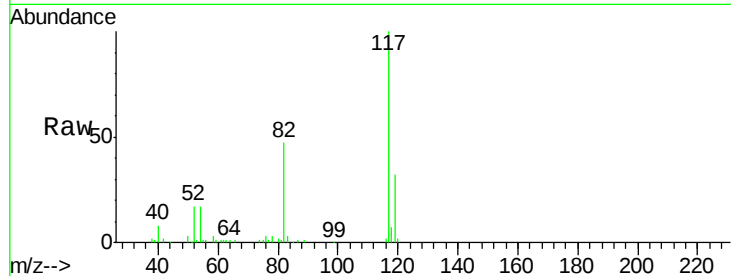




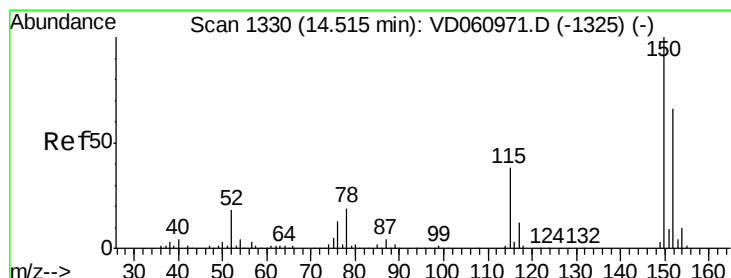
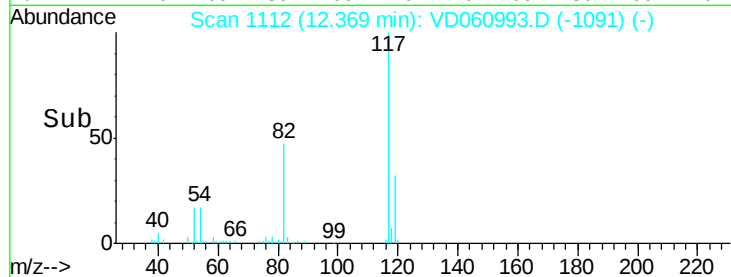
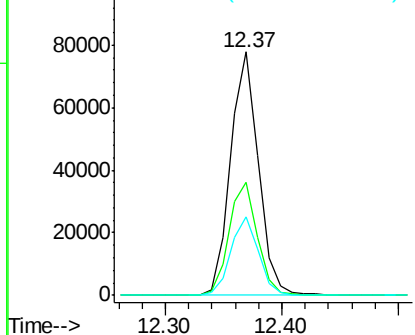
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060993.D
Acq: 8 Mar 2019 19:40

Instrument :
MSVOA_D
ClientSampled :
TP-8

Tot Ion:117 Resp: 128796
Ion Ratio Lower Upper
117 100
82 46.5 38.9 58.3
119 32.3 26.6 39.8

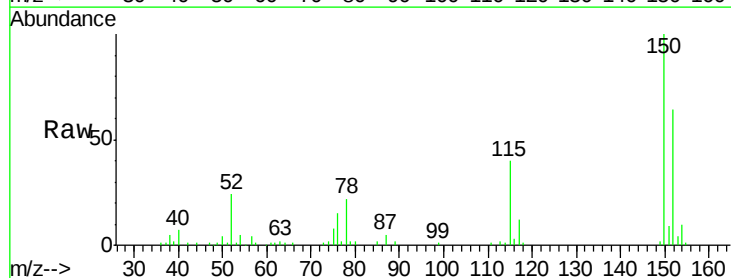


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

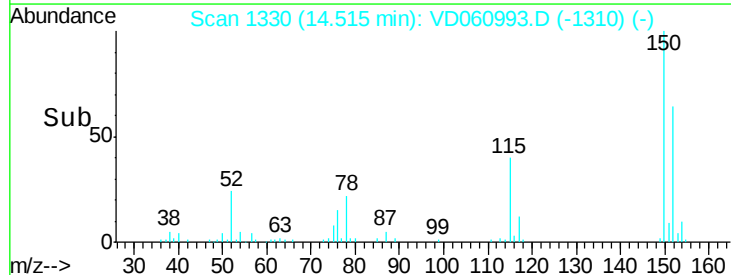
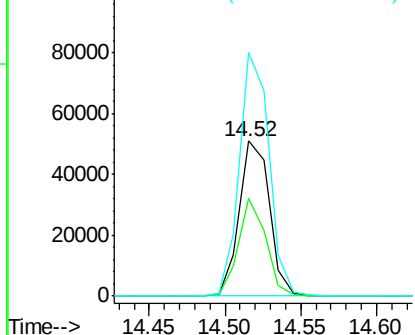


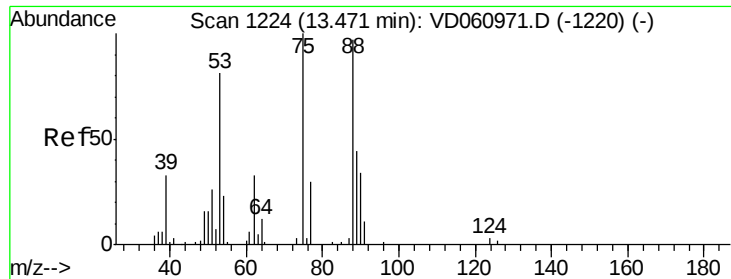
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060993.D
Acq: 8 Mar 2019 19:40

Tgt Ion:152 Resp: 70300
Ion Ratio Lower Upper
152 100
115 62.7 28.6 85.9
150 157.2 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.566 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD060993.D

Acq: 8 Mar 2019 19:40

Instrument :

MSVOA_D

ClientSampleId :

TP-8

Tot Ion: 75 Resp: 21936

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

