

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010627.D
 Acq On : 02 Jul 2019 19:07
 Operator : JC/SP
 Sample : PB121086TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121086TB

Quant Time: Jul 03 04:05:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119629	53.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.56%	
35) Dibromofluoromethane	5.50	113	114501	50.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.38%	
50) Toluene-d8	8.71	98	446071	51.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	149143	47.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.66%	

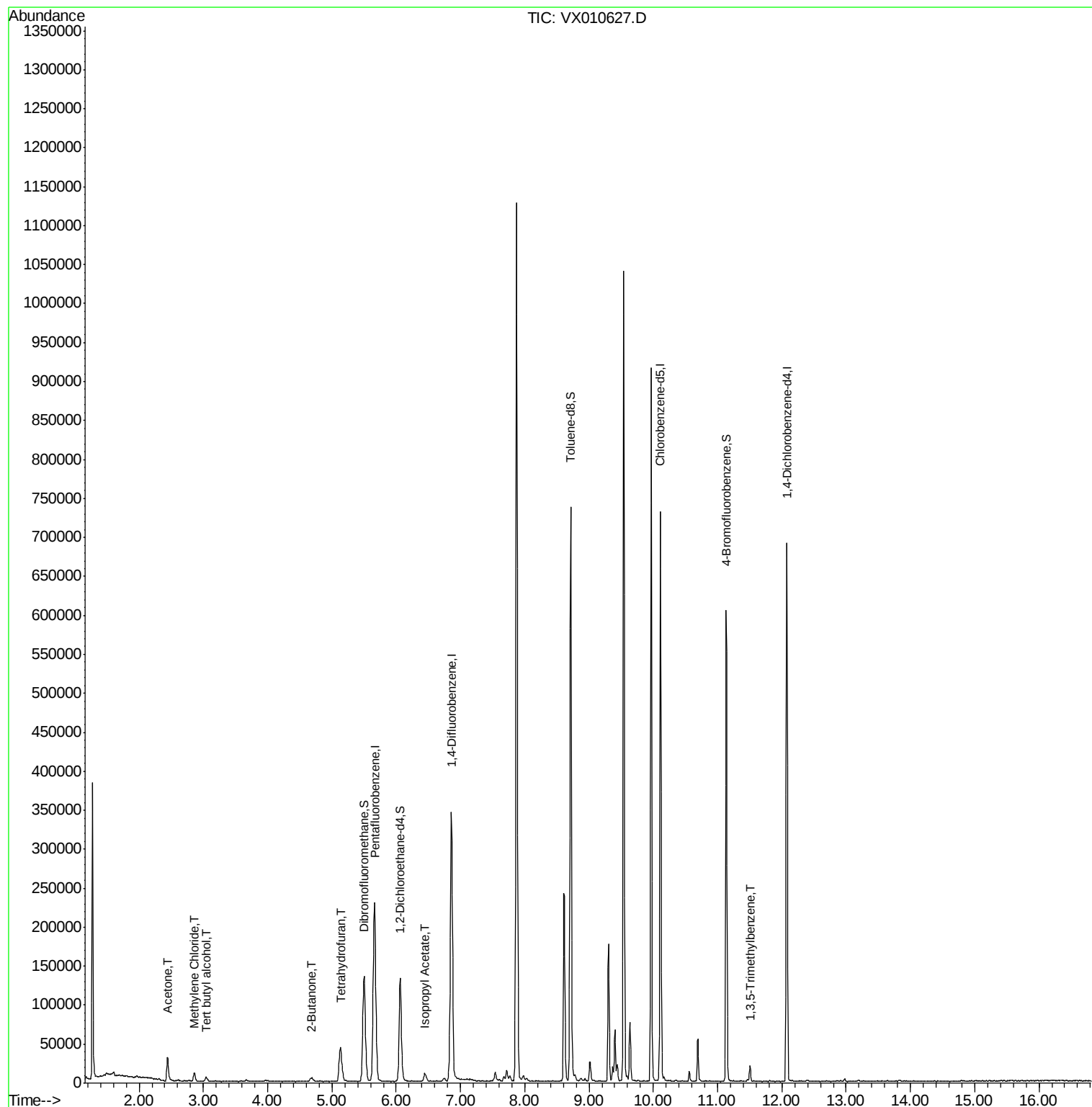
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	5860	10.067	ug/l	95
16) Acetone	2.44	43	31690	28.426	ug/l	99
20) Methylene Chloride	2.85	84	5555	2.421	ug/l	91
25) 2-Butanone	4.68	43	8622	5.272	ug/l	98
29) Tetrahydrofuran	5.13	42	41411	40.882	ug/l	97
43) Isopropyl Acetate	6.45	43	14390	2.853	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	8720	1.015	ug/l	95

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

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Quant Time: Jul 03 04:05:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

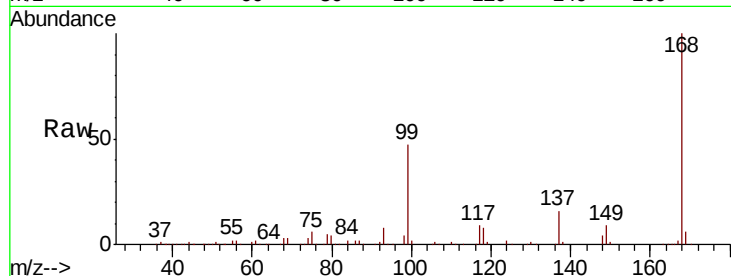
PB121086TB

Tot Ion:168 Resp: 237253

Ion Ratio Lower Upper

168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

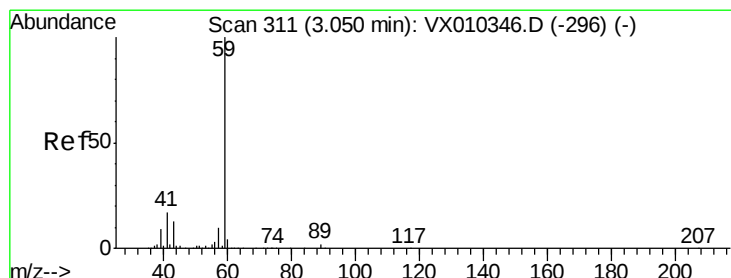
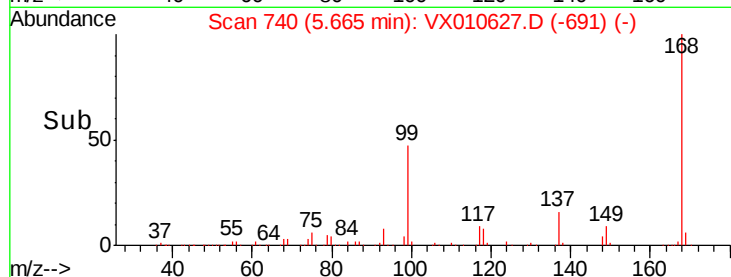
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 10.067 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010627.D

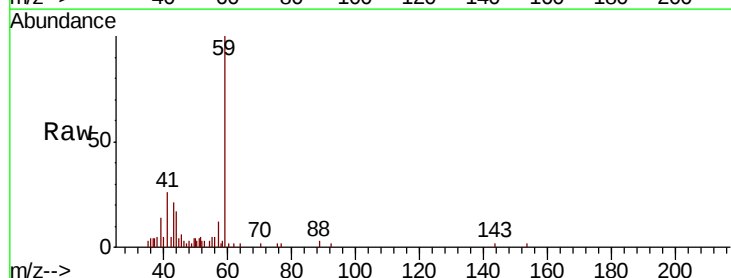
Acq: 02 Jul 2019 19:07

Tgt Ion: 59 Resp: 5860

Ion Ratio Lower Upper

59 100

57 11.4 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3000

2500

2000

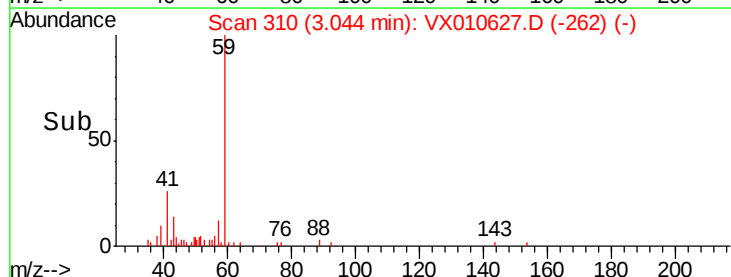
1500

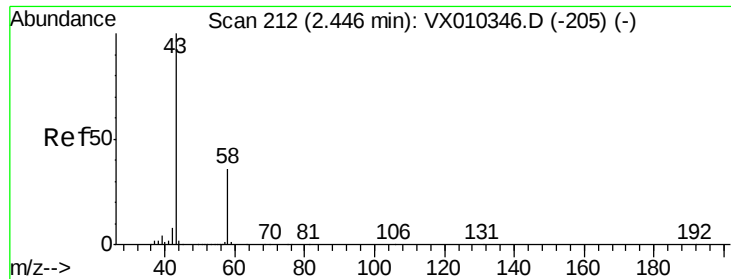
1000

500

0

Time--> 2.95 3.00 3.05 3.10 3.15





#16

Acetone

Concen: 28.426 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

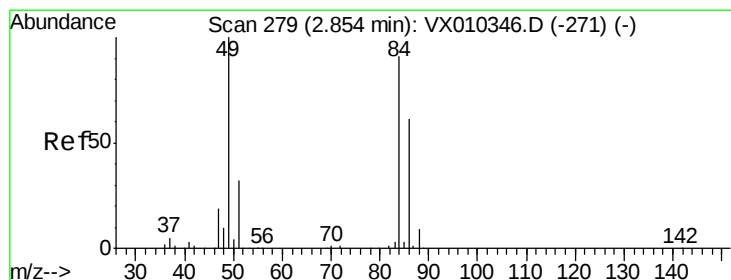
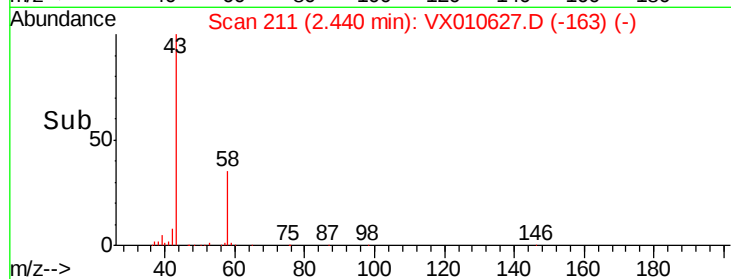
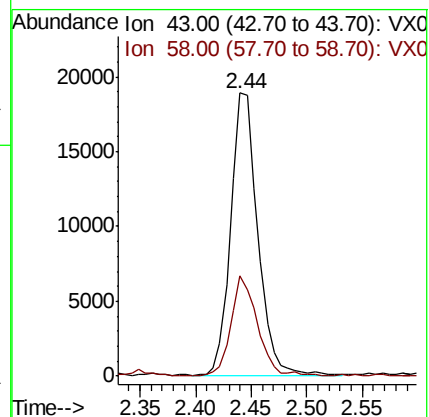
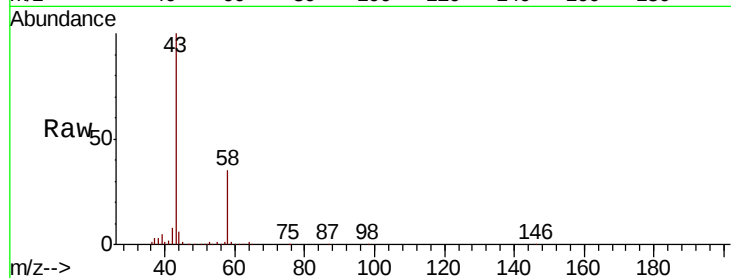
PB121086TB

Tot Ion: 43 Resp: 31690

Ion Ratio Lower Upper

43 100

58 35.5 28.9 43.3



#20

Methylene Chloride

Concen: 2.421 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

Tgt Ion: 84 Resp: 5555

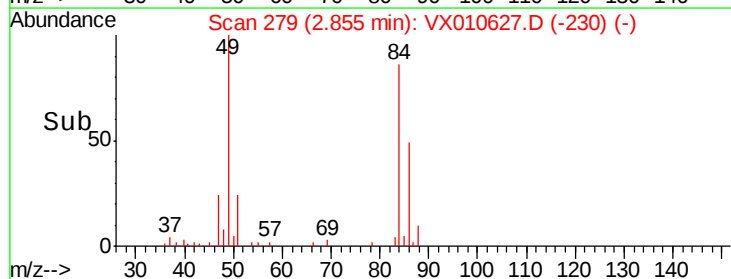
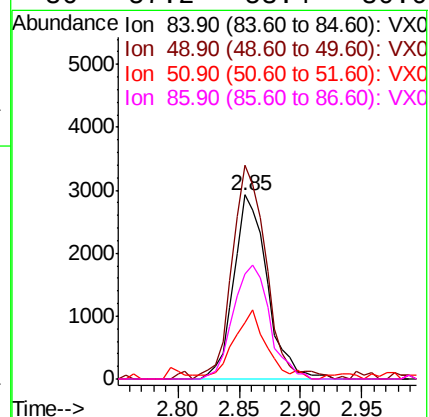
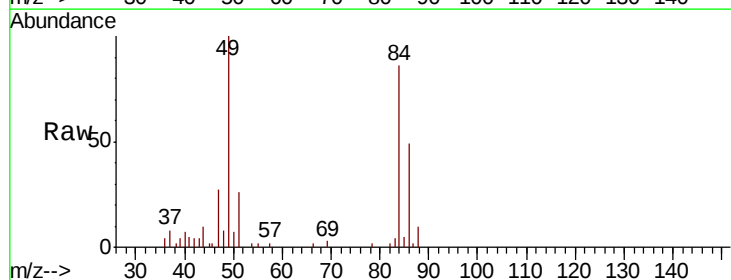
Ion Ratio Lower Upper

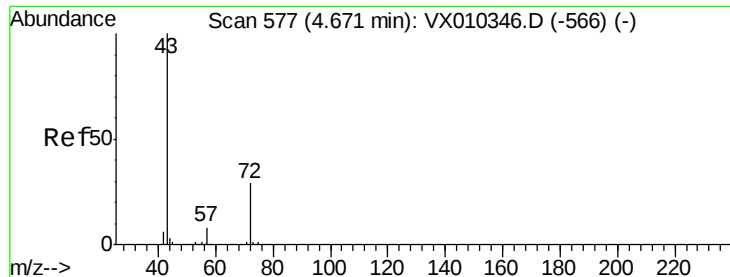
84 100

49 116.1 87.5 131.3

51 28.4 27.7 41.5

86 57.2 53.4 80.0





#25

2-Butanone

Concen: 5.272 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

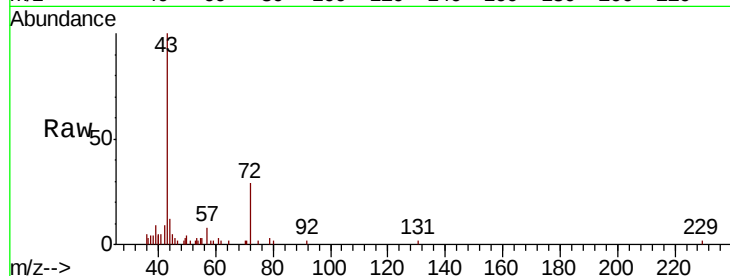
PB121086TB

Tot Ion: 43 Resp: 8622

Ion Ratio Lower Upper

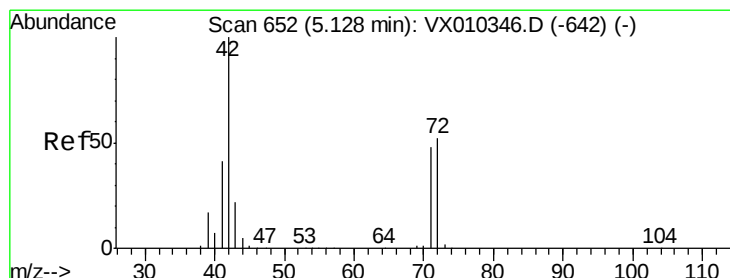
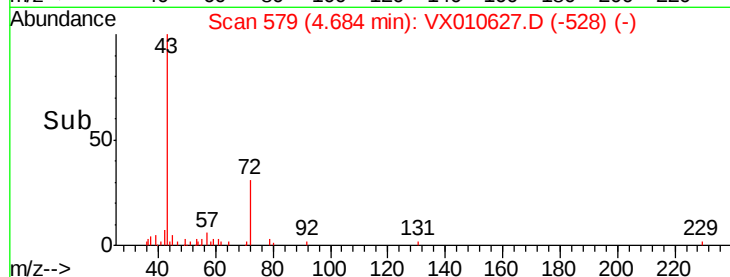
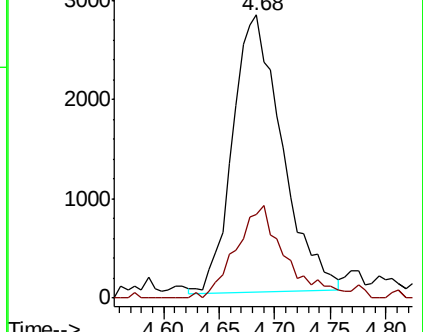
43 100

72 30.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 40.882 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

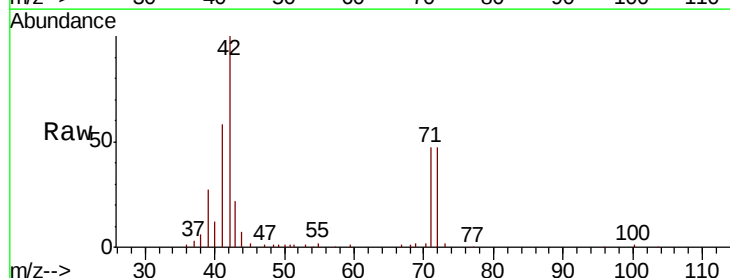
Tgt Ion: 42 Resp: 41411

Ion Ratio Lower Upper

42 100

72 47.8 40.6 60.8

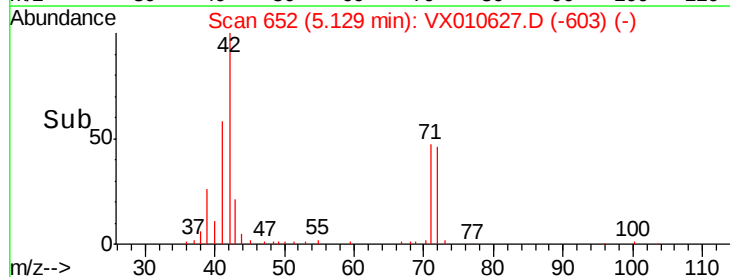
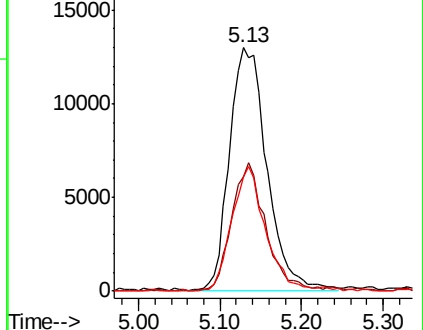
71 45.7 37.8 56.8

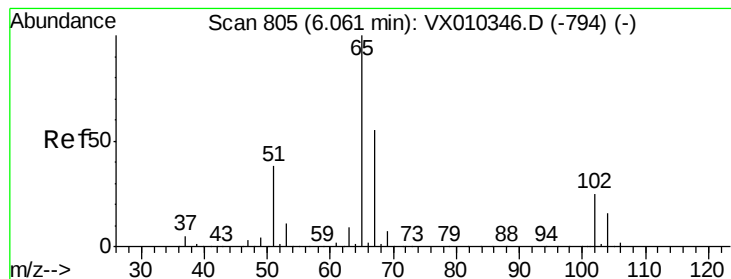


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.778 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

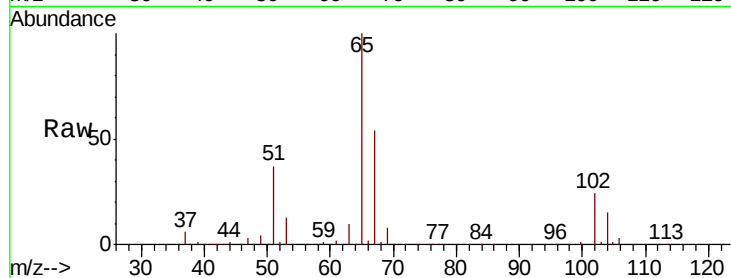
PB121086TB

Tot Ion: 65 Resp: 119629

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

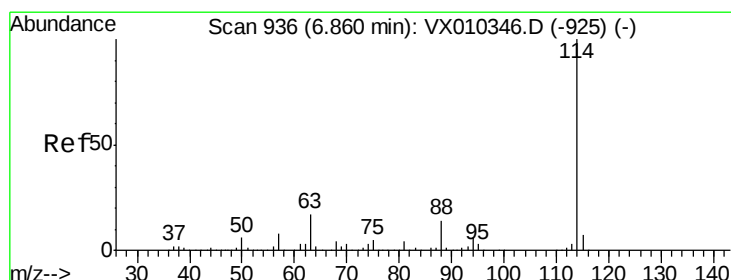
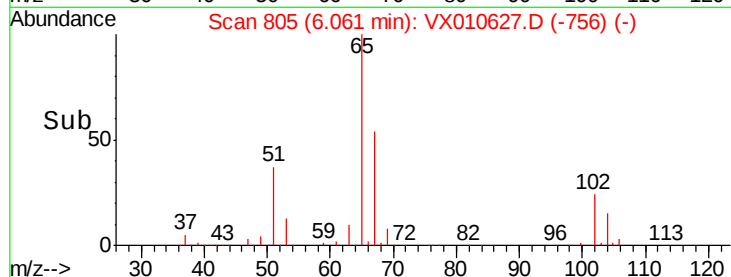
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

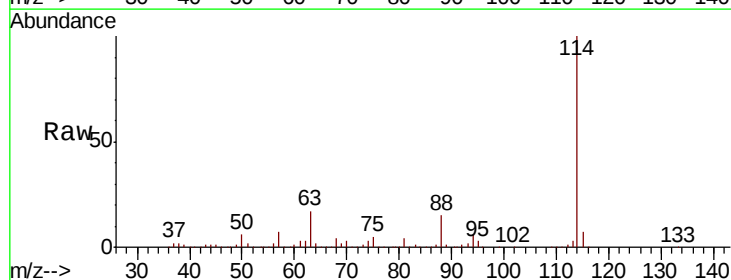
Tgt Ion: 114 Resp: 372885

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

88 14.7 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

200000

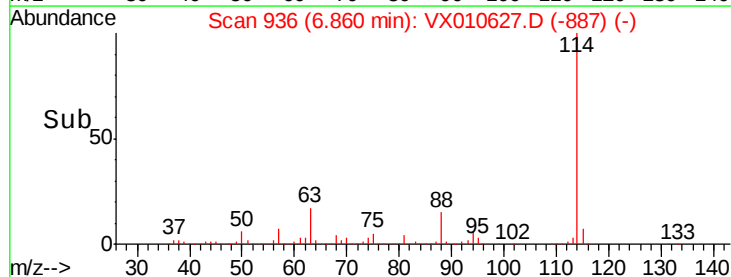
150000

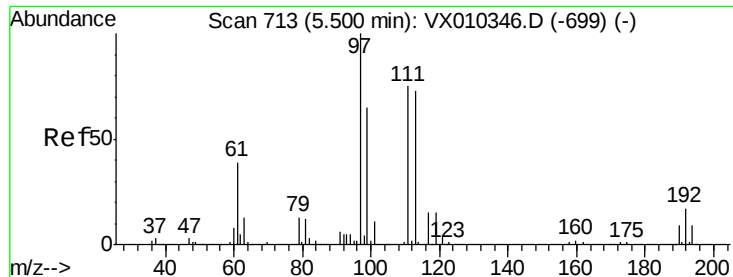
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

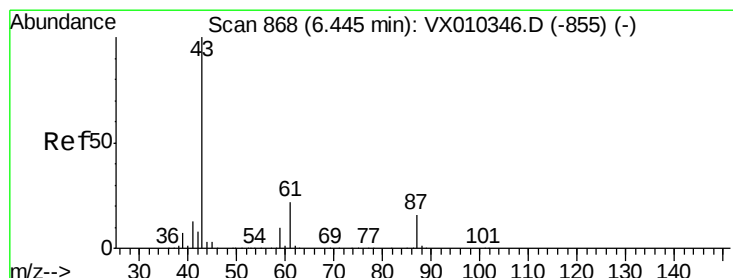
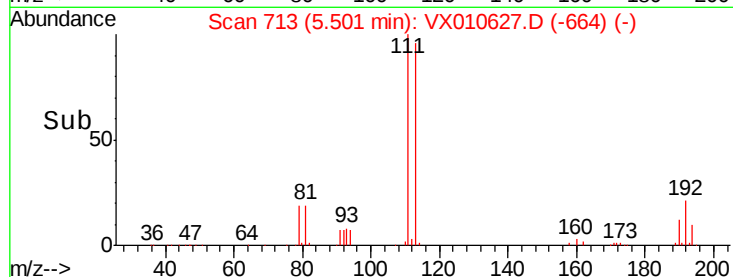
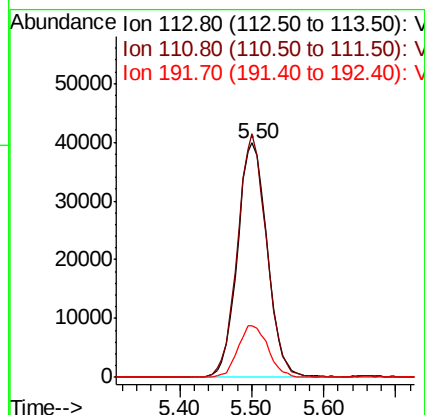
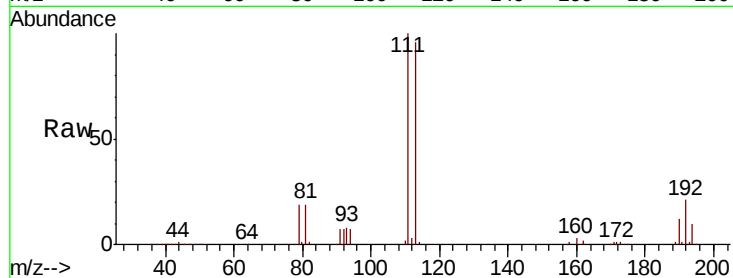




#35
 Dibromofluoromethane
 Concen: 50.188 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010627.D
 Acq: 02 Jul 2019 19:07

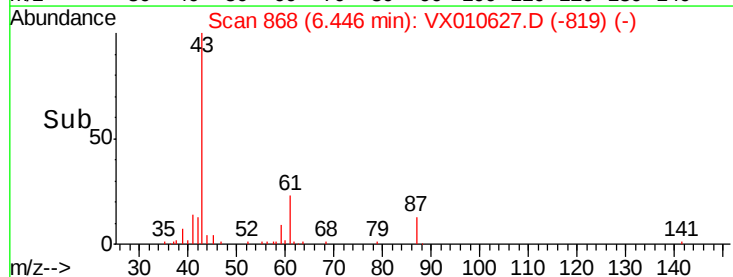
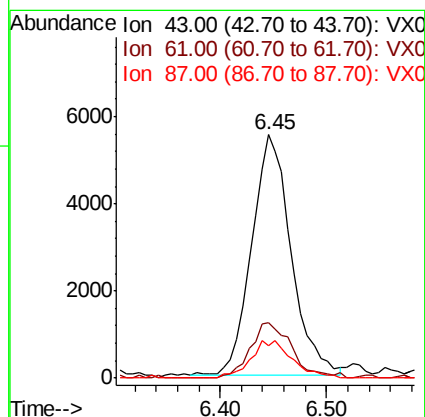
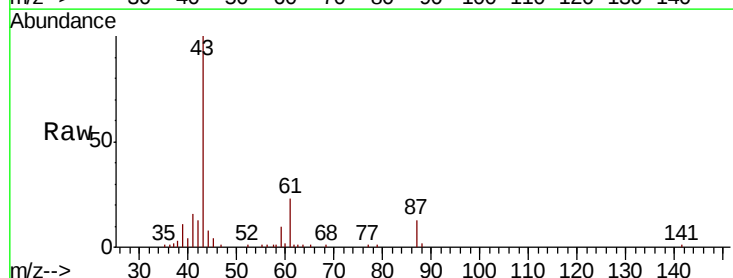
Instrument :
 MSVOA_X
 ClientSampled :
 PB121086TB

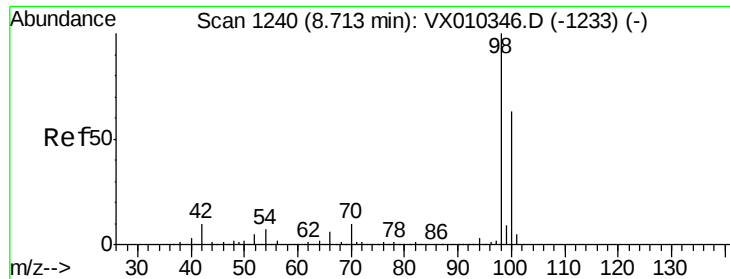
Tot Ion:113 Resp: 114501
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.2 121.8
 192 22.4 18.6 27.8



#43
 Isopropyl Acetate
 Concen: 2.853 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010627.D
 Acq: 02 Jul 2019 19:07

Tgt Ion: 43 Resp: 14390
 Ion Ratio Lower Upper
 43 100
 61 24.2 17.8 26.6
 87 16.3 13.0 19.4





#50

Toluene-d8

Concen: 51.106 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

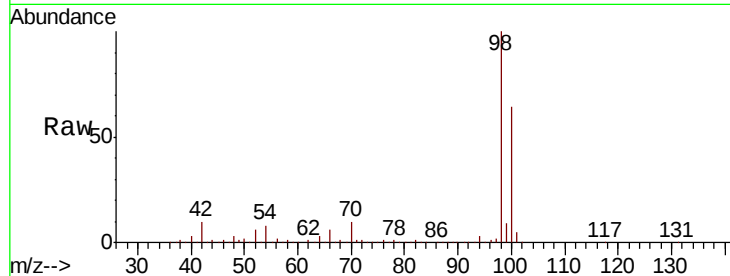
PB121086TB

Tot Ion: 98 Resp: 446071

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

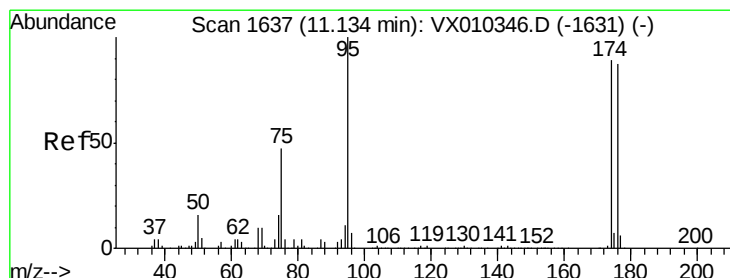
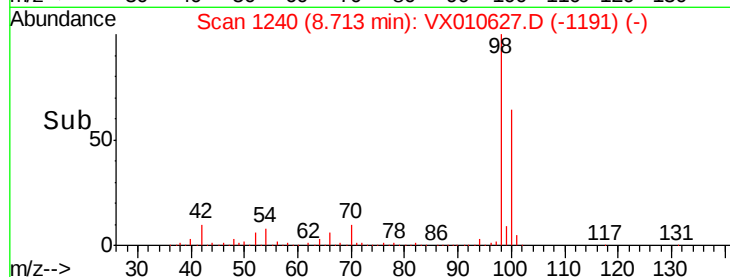
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.329 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010627.D

Acq: 02 Jul 2019 19:07

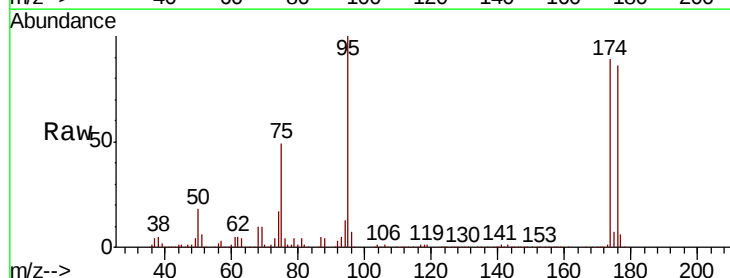
Tgt Ion: 95 Resp: 149143

Ion Ratio Lower Upper

95 100

174 93.4 0.0 187.6

176 90.7 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

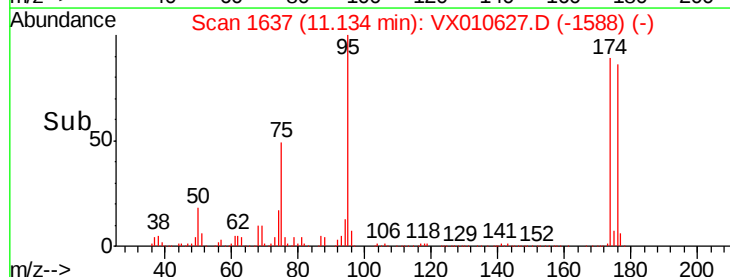
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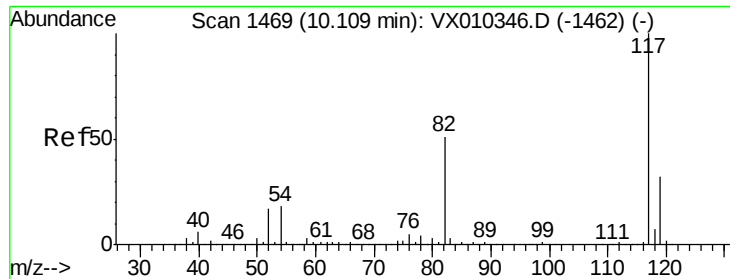
100000

50000

0

Time-->

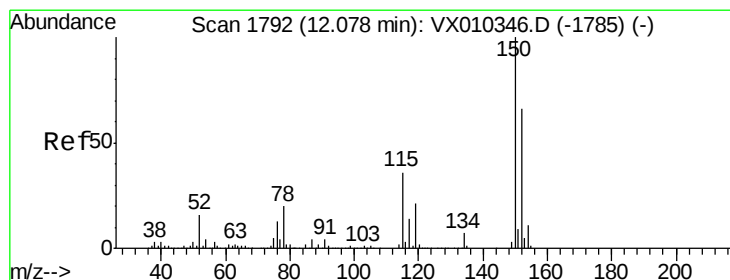
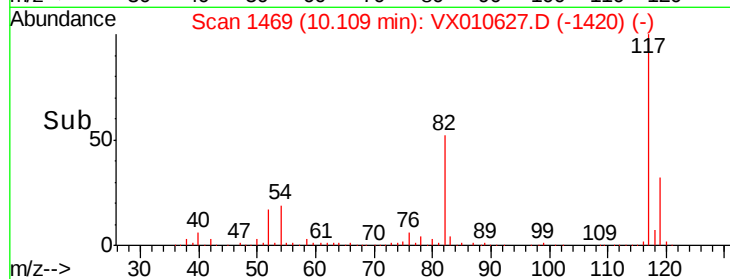
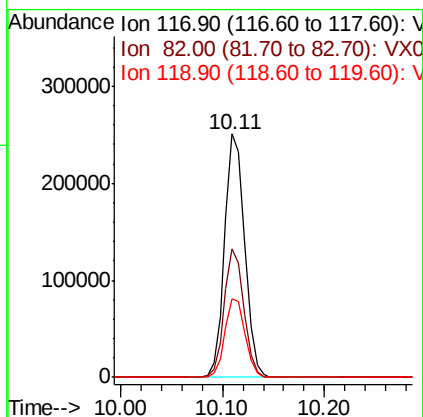
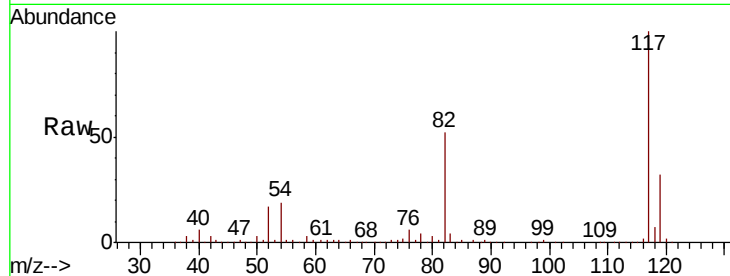




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010627.D
Acq: 02 Jul 2019 19:07

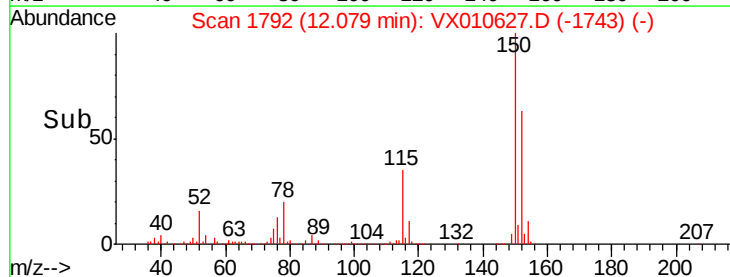
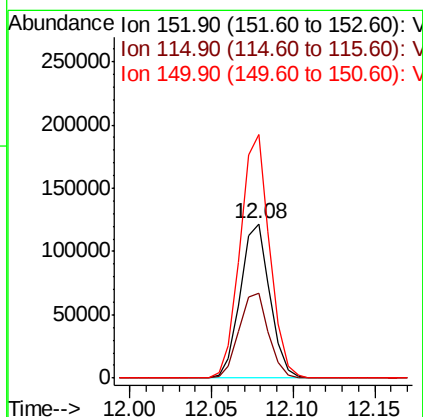
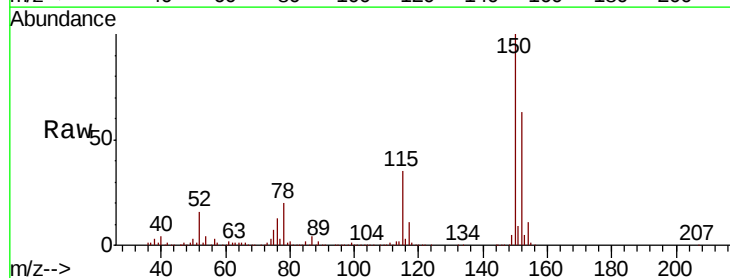
Instrument :
MSVOA_X
ClientSampleId :
PB121086TB

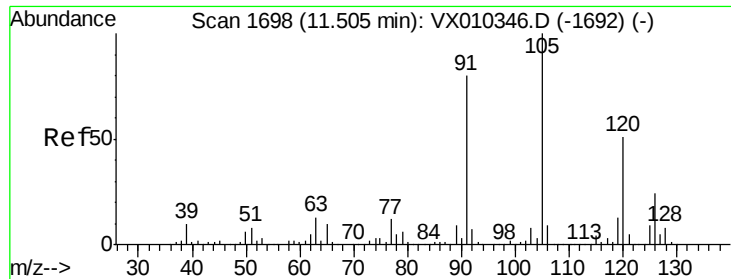
Tot Ion:117 Resp: 343339
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010627.D
Acq: 02 Jul 2019 19:07

Tgt Ion:152 Resp: 153660
Ion Ratio Lower Upper
152 100
115 55.4 38.6 115.7
150 157.7 0.0 347.4





#80
 1,3,5-Trimethylbenzene
 Concen: 1.015 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010627.D
 Acq: 02 Jul 2019 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121086TB

Tot Ion:105 Resp: 8720
 Ion Ratio Lower Upper
 105 100
 120 46.9 25.2 75.6

