

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002887.D
 Acq On : 26 Jun 2018 03:52
 Operator : JC/MD
 Sample : J3693-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-26

Quant Time: Jun 27 07:45:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193904	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	169842	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	5.51	113	137984	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.72	98	495714	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	180867	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

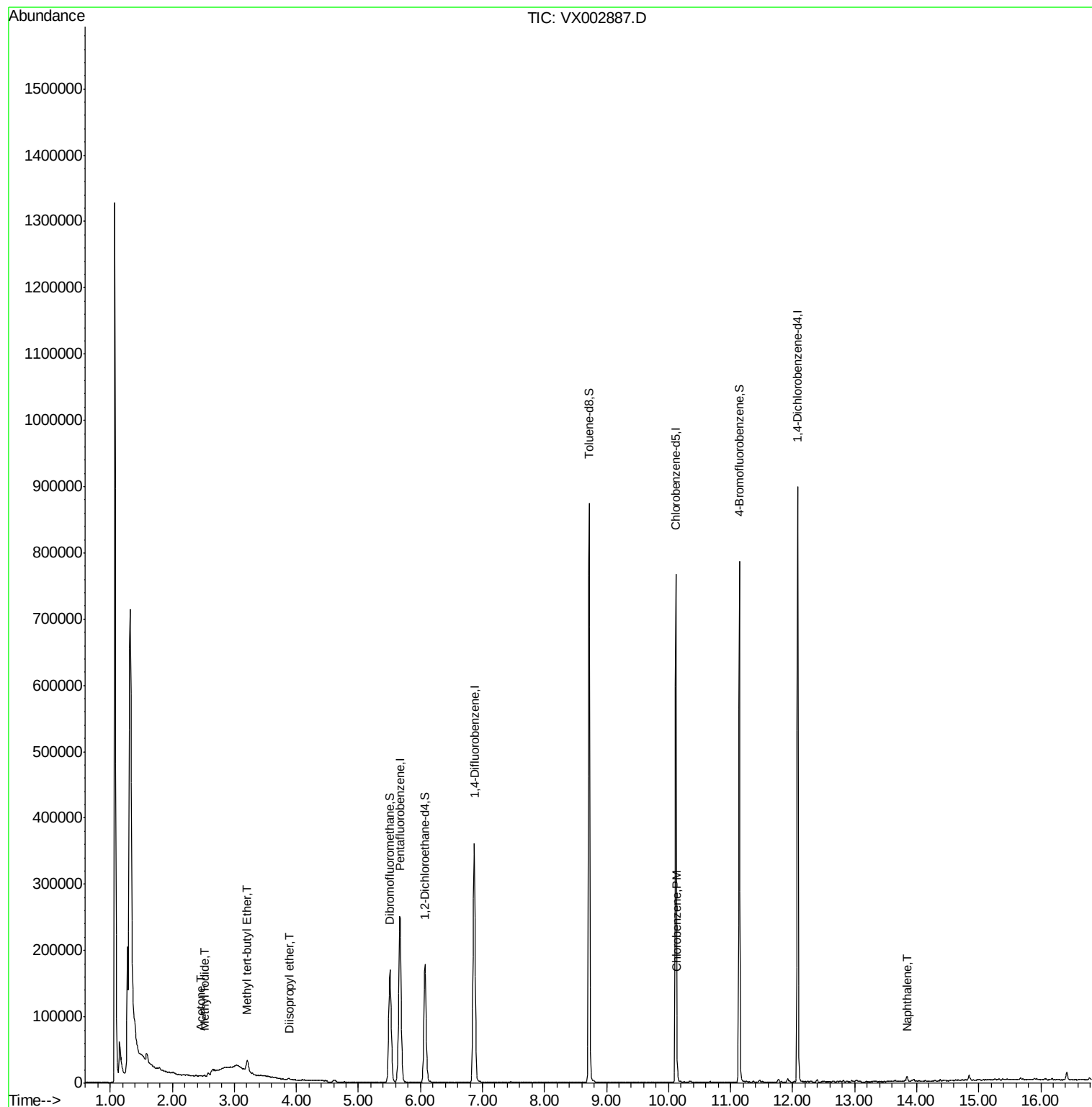
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	2540	7.02	ug/l	93
16) Acetone	2.45	43	1335	0.93	ug/l #	86
19) Methyl tert-butyl Ether	3.21	73	19537	2.20	ug/l	92
22) Diisopropyl ether	3.88	45	2284	0.24	ug/l #	84
65) Chlorobenzene	10.14	112	4895	0.58	ug/l	97
95) Naphthalene	13.83	128	4224	0.32	ug/l #	92

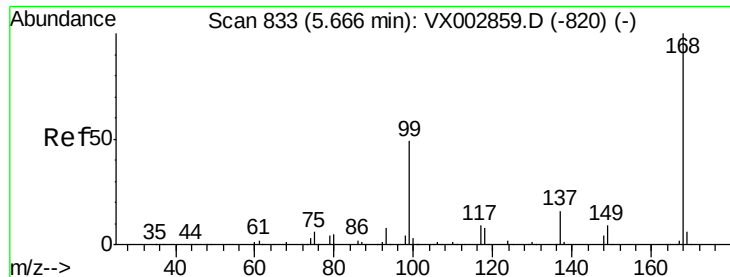
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

Instrument :

MSVOA_X

ClientSampleId :

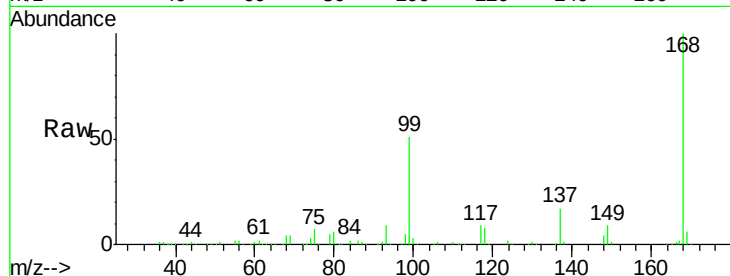
W-26

Tot Ion:168 Resp: 251030

Ion Ratio Lower Upper

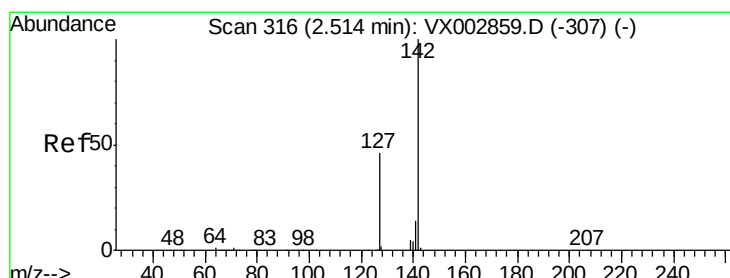
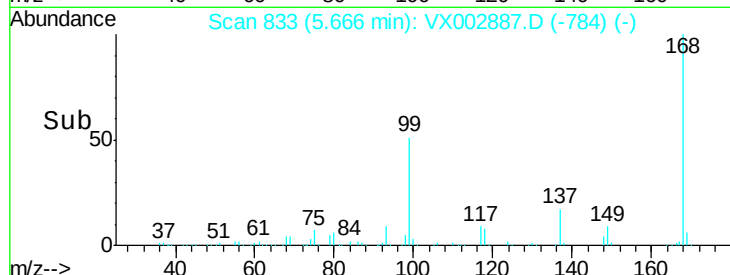
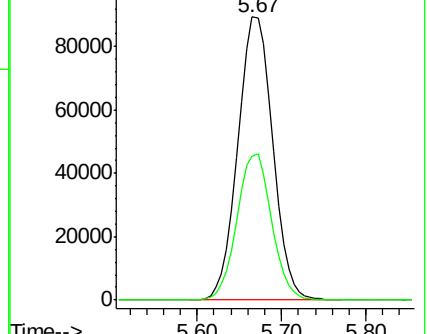
168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 7.02 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

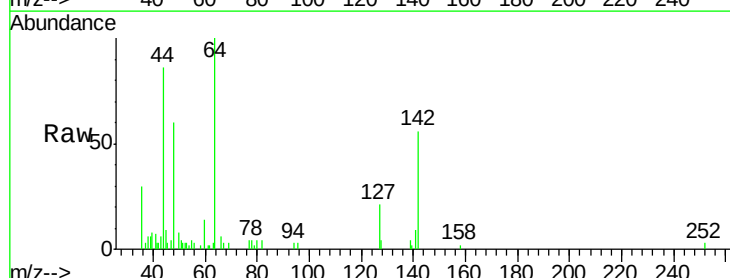
Tgt Ion:142 Resp: 2540

Ion Ratio Lower Upper

142 100

127 40.1 36.6 55.0

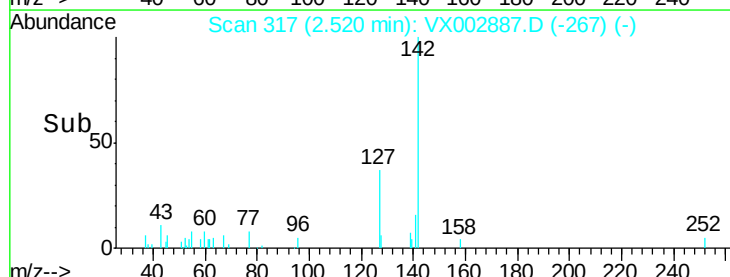
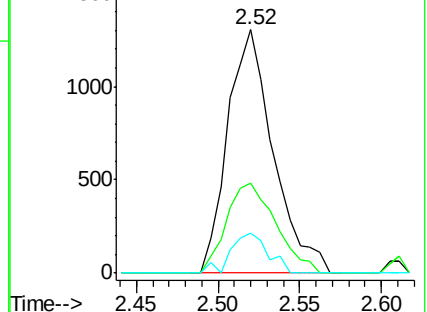
141 13.2 11.3 16.9

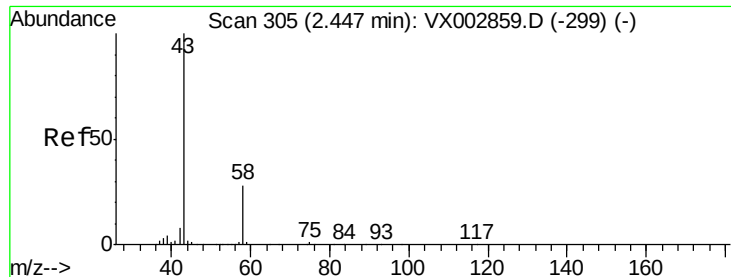


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 0.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

Instrument :

MSVOA_X

ClientSampled :

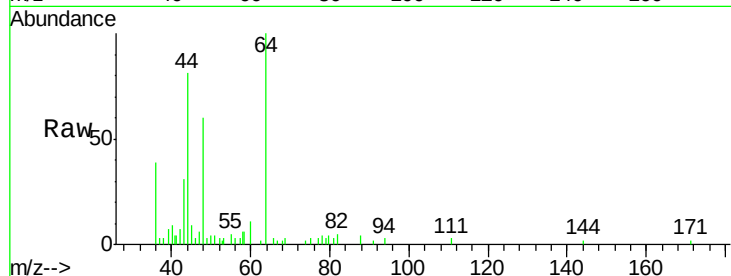
W-26

Tot Ion: 43 Resp: 1335

Ion Ratio Lower Upper

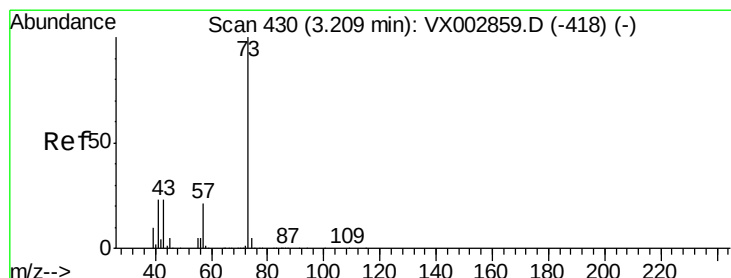
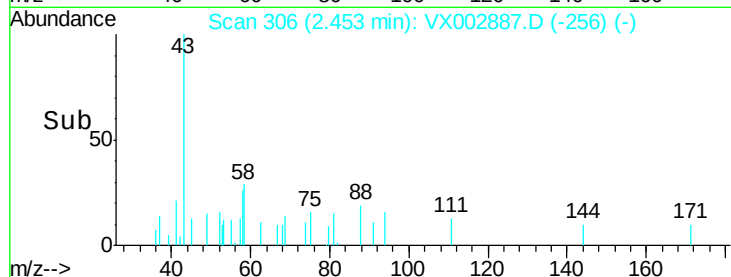
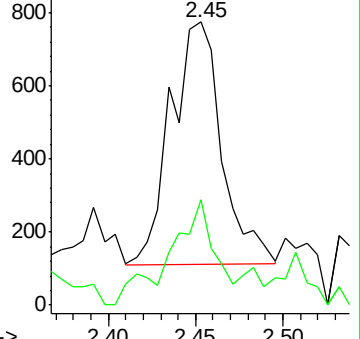
43 100

58 34.7 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 2.20 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX002887.D

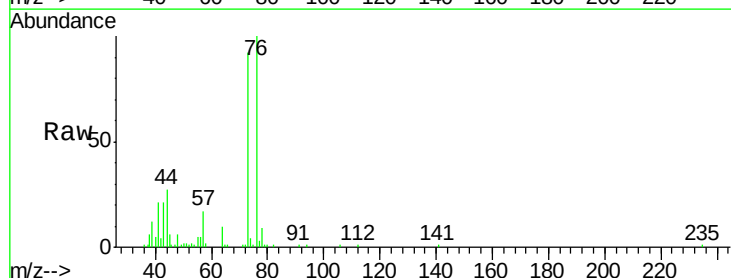
Acq: 26 Jun 2018 03:52

Tgt Ion: 73 Resp: 19537

Ion Ratio Lower Upper

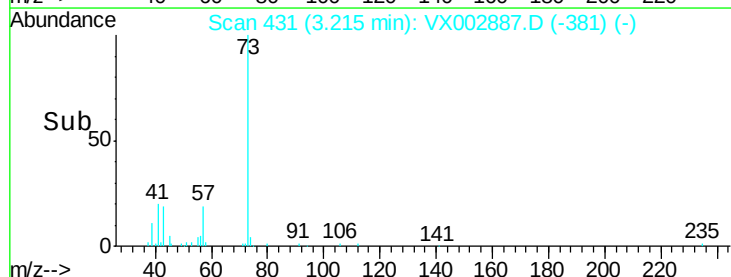
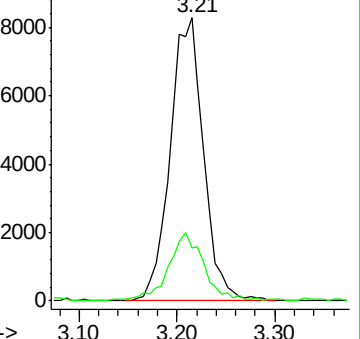
73 100

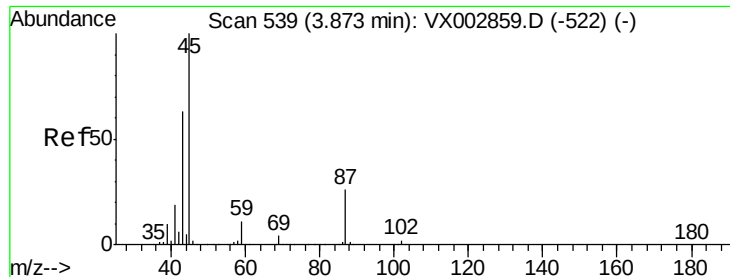
57 18.2 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#22

Diisopropyl ether

Concen: 0.24 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

Instrument :

MSVOA_X

ClientSampled :

W-26

Tot Ion: 45 Resp: 2284

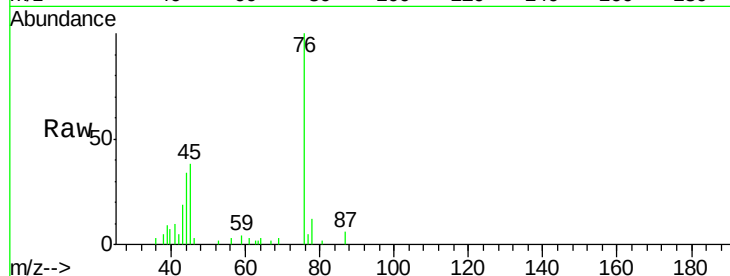
Ion Ratio Lower Upper

45 100

43 44.0 46.8 70.2#

87 17.7 20.2 30.4#

59 11.6 8.7 13.1

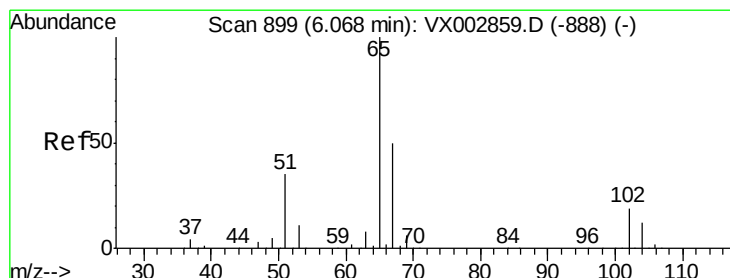
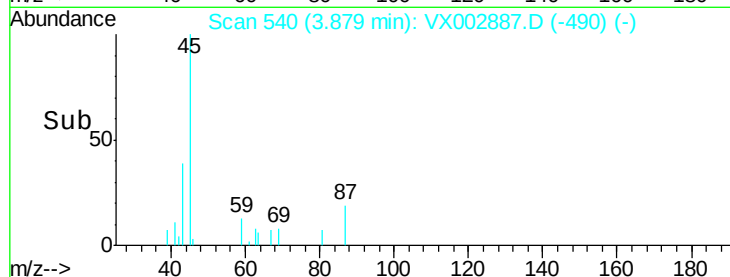
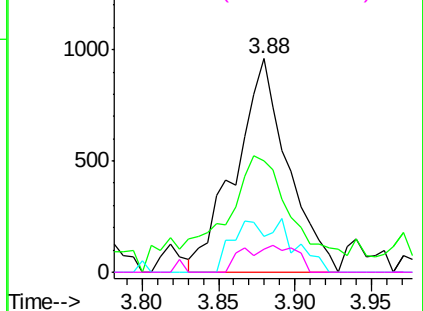


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.95 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002887.D

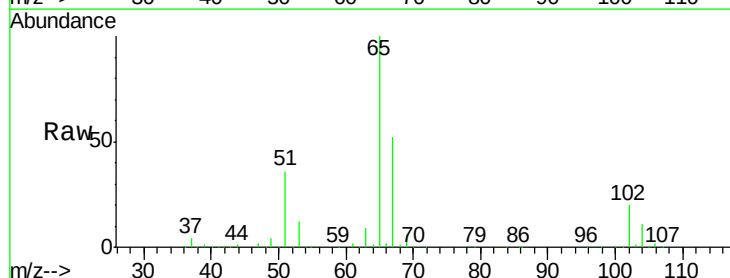
Acq: 26 Jun 2018 03:52

Tgt Ion: 65 Resp: 169842

Ion Ratio Lower Upper

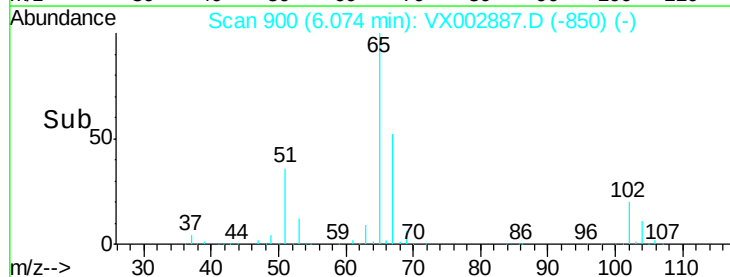
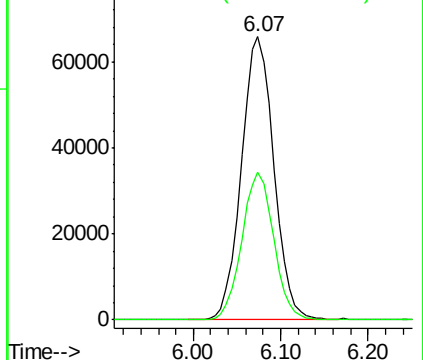
65 100

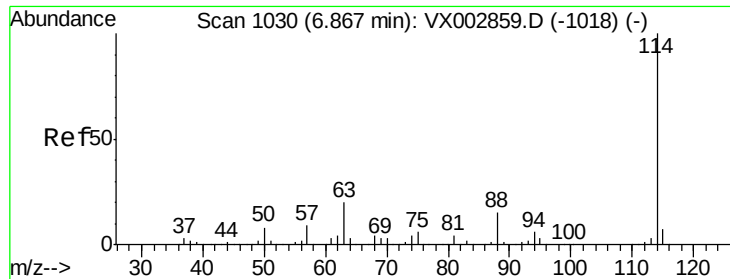
67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

Instrument :

MSVOA_X

ClientSampleId :

W-26

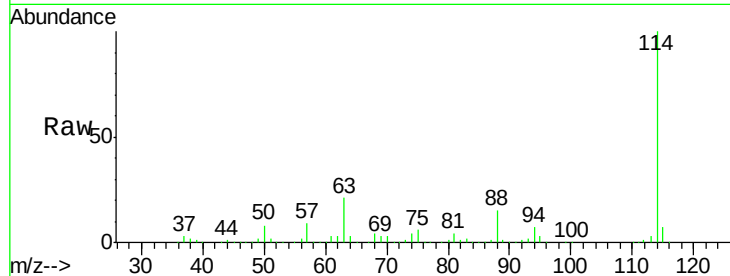
Tot Ion:114 Resp: 354339

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

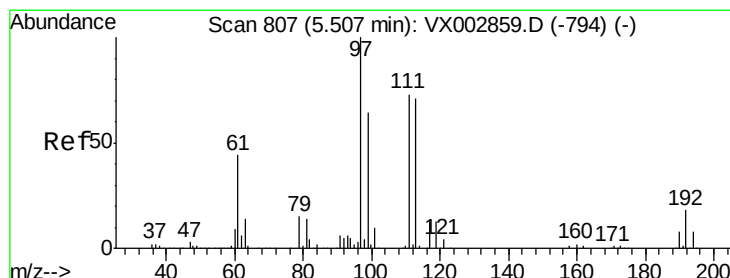
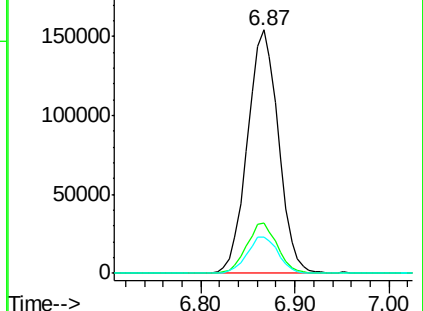
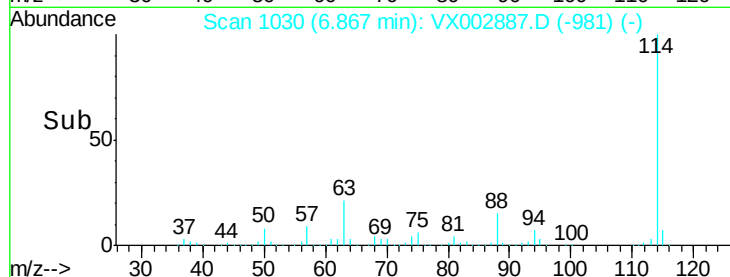
88 14.9 0.0 30.0



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



#35

Dibromofluoromethane

Concen: 49.17 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

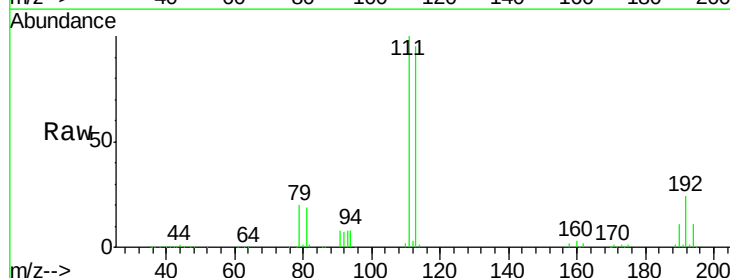
Tgt Ion:113 Resp: 137984

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

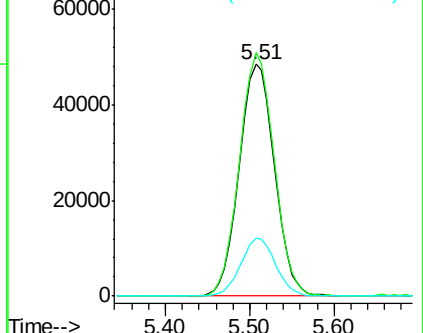
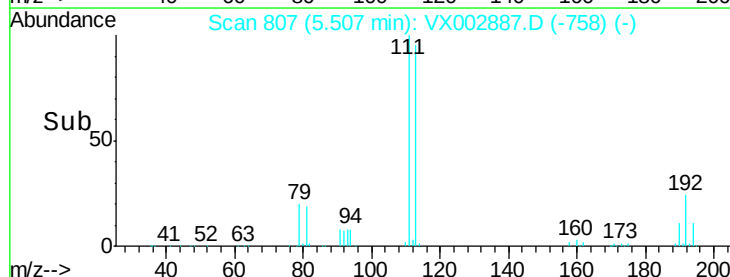
192 24.5 19.1 28.7

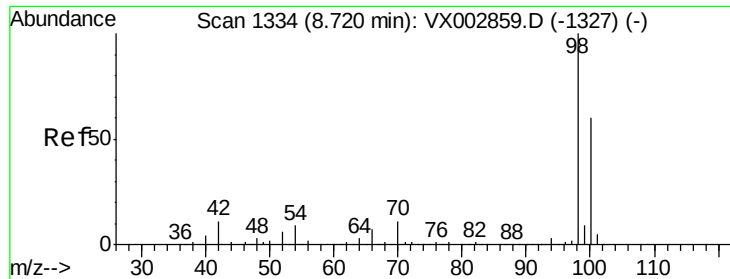


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

Instrument :

MSVOA_X

ClientSampleId :

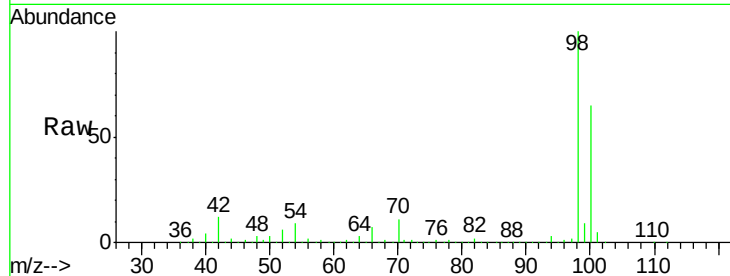
W-26

Tot Ion: 98 Resp: 495714

Ion Ratio Lower Upper

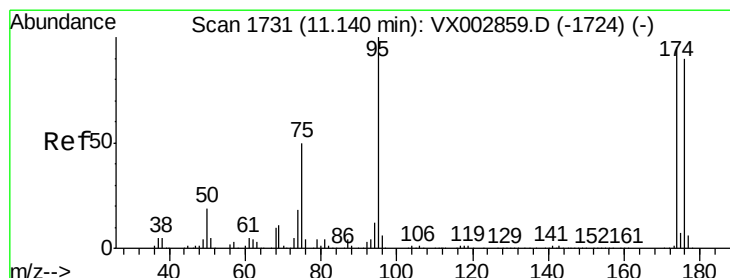
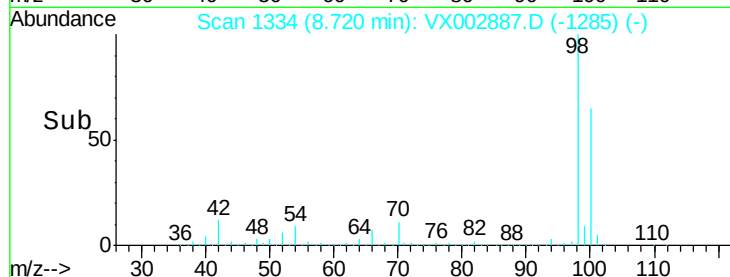
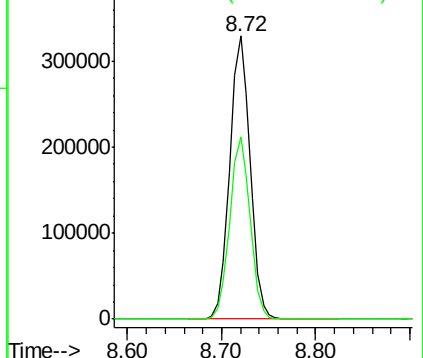
98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002887.D

Acq: 26 Jun 2018 03:52

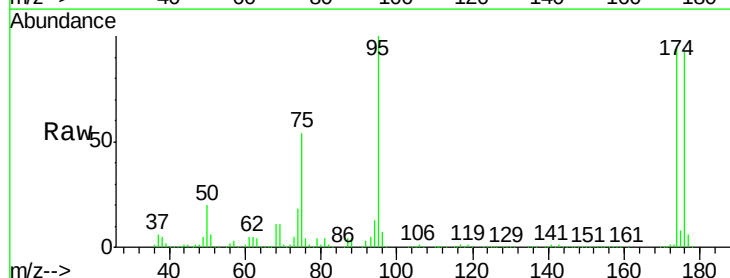
Tgt Ion: 95 Resp: 180867

Ion Ratio Lower Upper

95 100

174 96.6 0.0 187.4

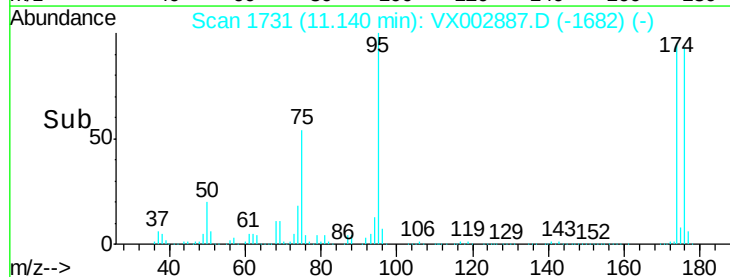
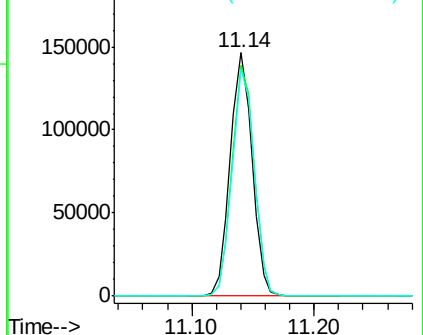
176 94.5 0.0 181.0

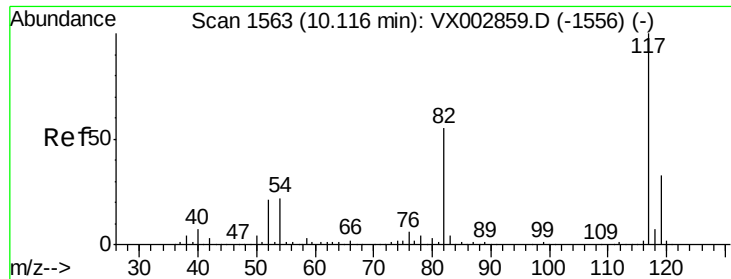


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

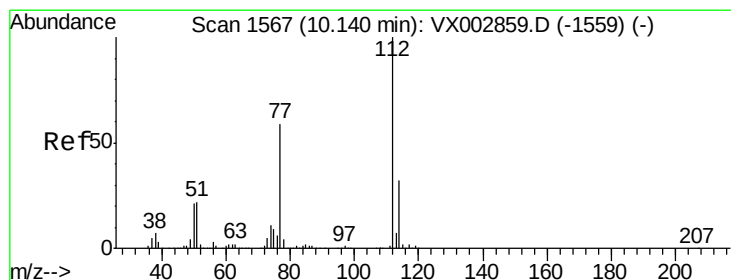
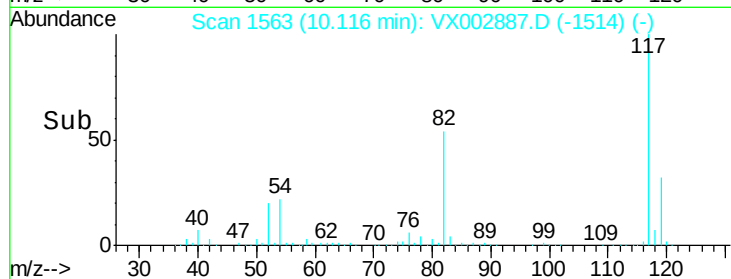
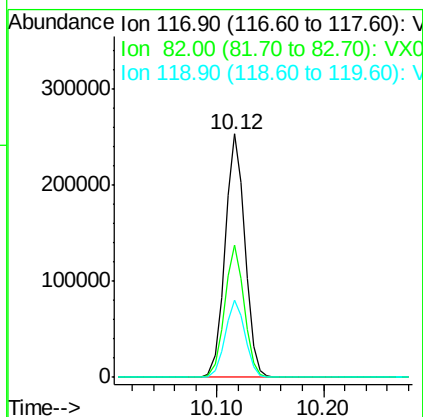
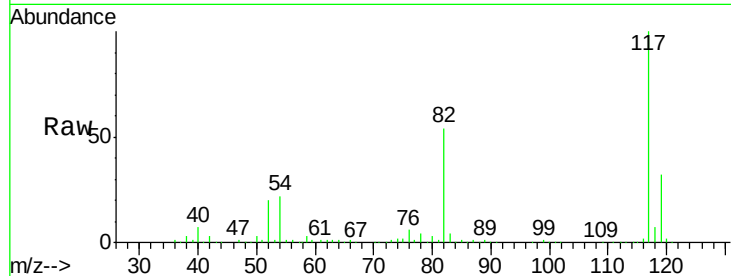




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002887.D
Acq: 26 Jun 2018 03:52

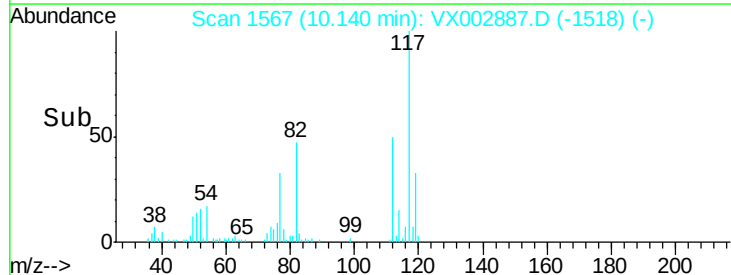
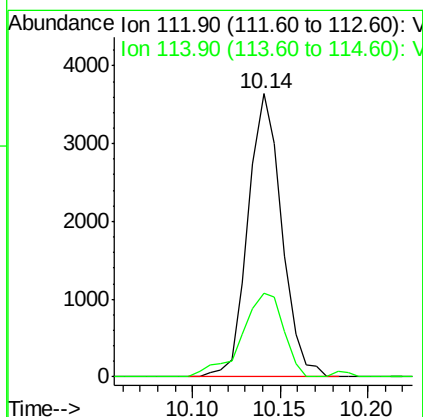
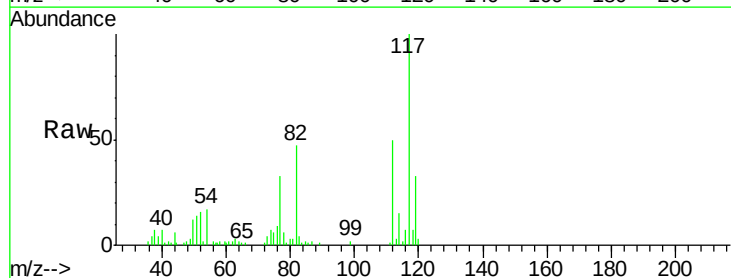
Instrument :
MSVOA_X
ClientSampled :
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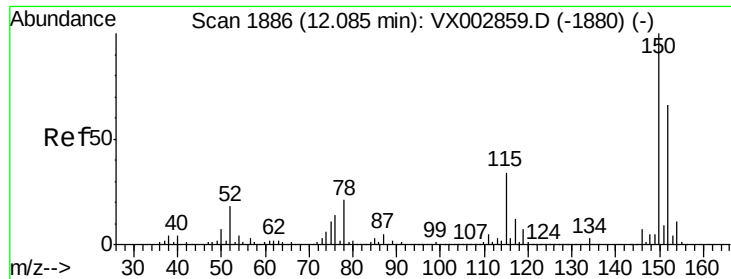
Tot Ion:117 Resp: 330948
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.9 25.8 38.6



#65
Chlorobenzene
Concen: 0.58 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002887.D
Acq: 26 Jun 2018 03:52

Tgt Ion:112 Resp: 4895
Ion Ratio Lower Upper
112 100
114 29.7 25.3 37.9

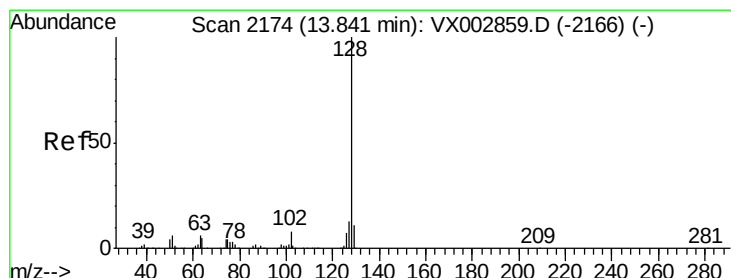
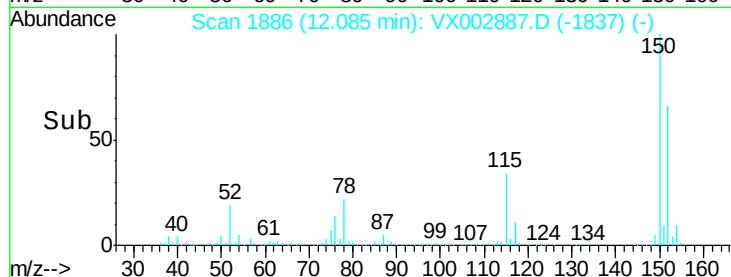
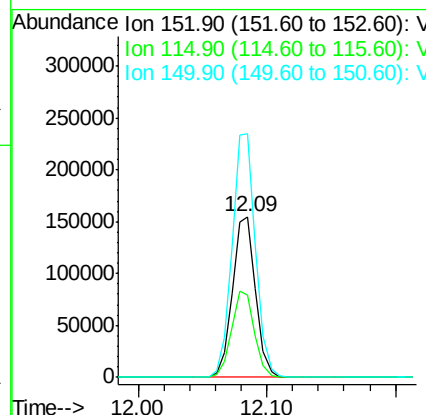
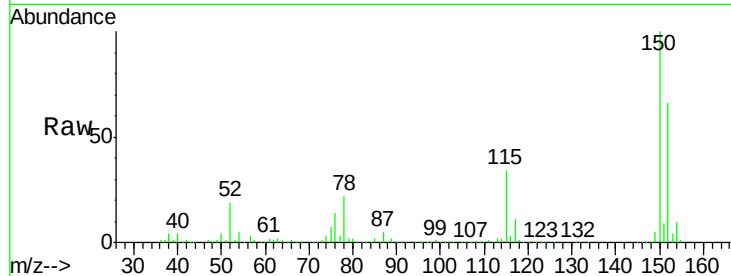




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX002887.D
 Acq: 26 Jun 2018 03:52

Instrument :
 MSVOA_X
 ClientSampled :
 W-26

Tot Ion:152 Resp: 193904
 Ion Ratio Lower Upper
 152 100
 115 53.7 40.1 120.2
 150 154.3 0.0 347.2



#95
 Naphthalene
 Concen: 0.32 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: VX002887.D
 Acq: 26 Jun 2018 03:52

Tgt Ion:128 Resp: 4224
 Ion Ratio Lower Upper
 128 100
 127 15.4 10.4 15.6
 129 14.7 8.6 13.0#

