

Data File : VX001856.D
Acq On : 19 May 2018 05:34
Operator : JC/MD
Sample : PB109413ZHE#07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#07

Quant Time: May 21 03:21:40 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	126681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158299	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	5.51	113	139049	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
50) Toluene-d8	8.72	98	496212	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
62) 4-Bromofluorobenzene	11.14	95	126312	32.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.58%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	647	Below Cal	#	80
6) Chloroethane	1.70	64	609	0.30	ug/l #	78
8) Diethyl Ether	2.19	74	962	0.51	ug/l	88
11) Tert butyl alcohol	3.07	59	342	0.53	ug/l #	72
16) Acetone	2.45	43	8473	5.95	ug/l	97
18) Methyl Acetate	2.78	43	27324	6.56	ug/l	100
20) Methylene Chloride	2.86	84	6824	2.24	ug/l	96
25) 2-Butanone	4.72	43	3094	1.42	ug/l	100
29) Tetrahydrofuran	5.18	42	866	0.61	ug/l #	73
31) Cyclohexane	5.68	56	3994	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15168	3.67	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21225	4.90	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	58847	24.43	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	58847	71.29	ug/l #	10

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

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Instrument :

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ClientSampleId :

PB109413ZHE#07

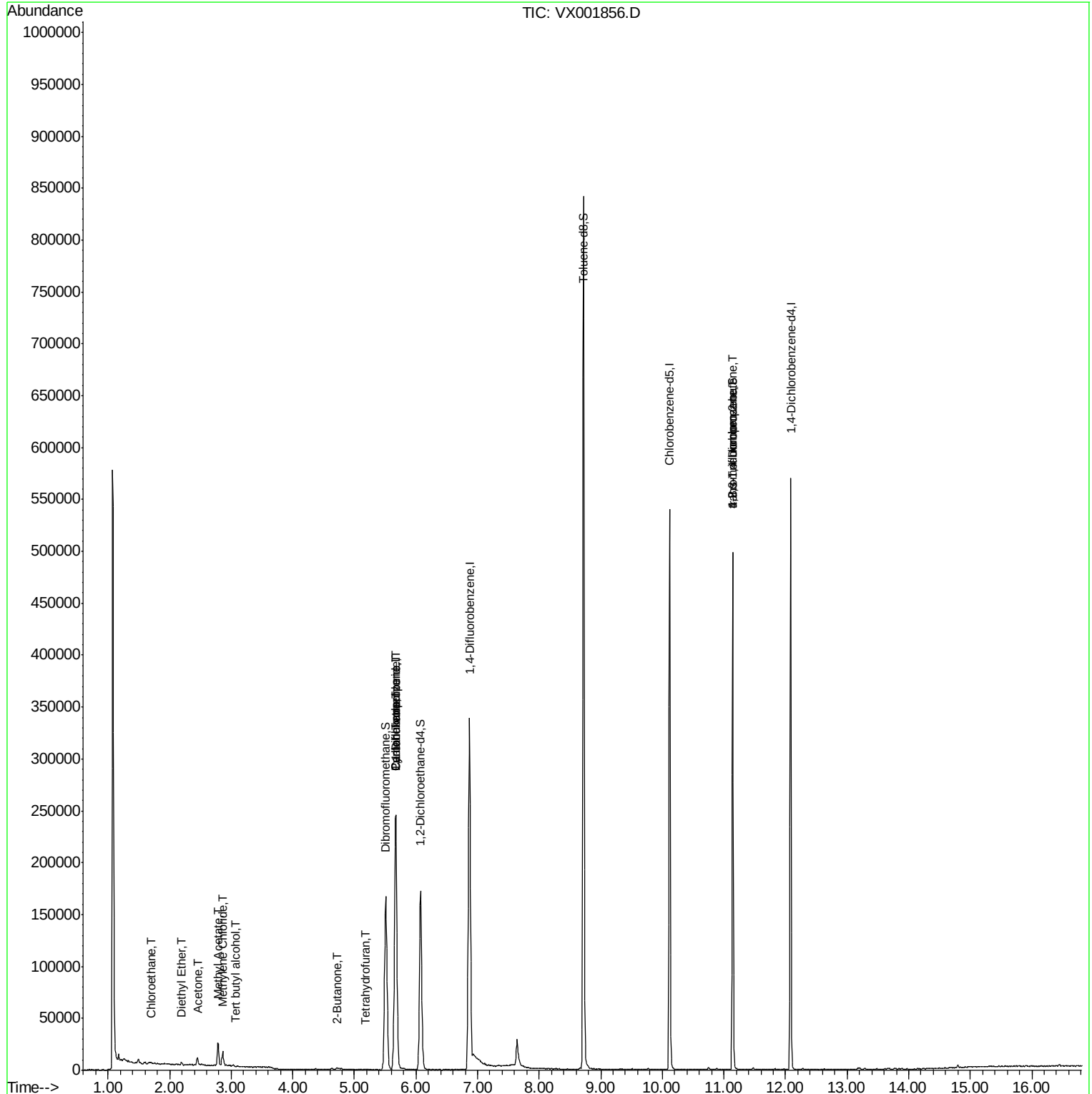
Quant Time: May 21 03:21:40 2018

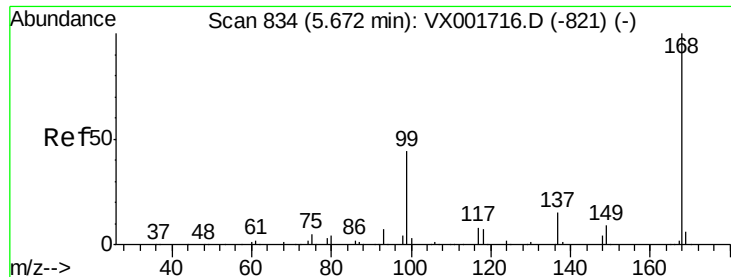
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

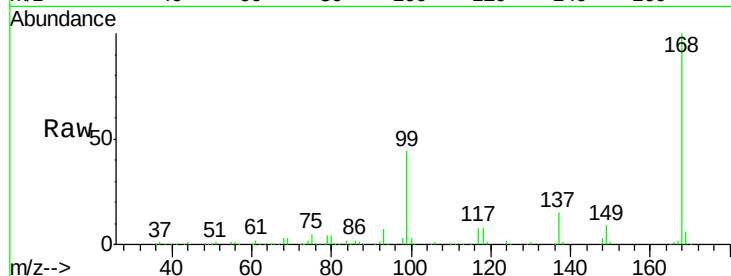
PB109413ZHE#07

Tgt Ion:168 Resp: 270640

Ion Ratio Lower Upper

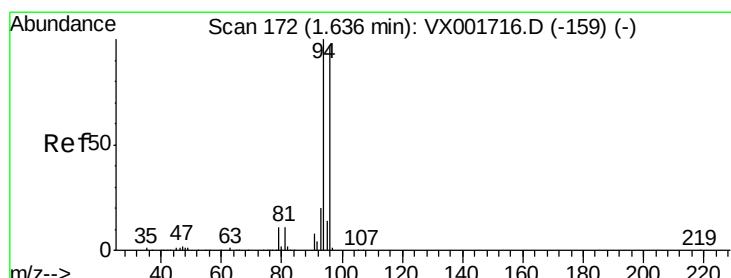
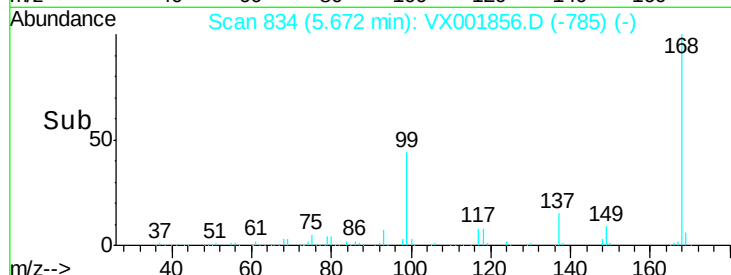
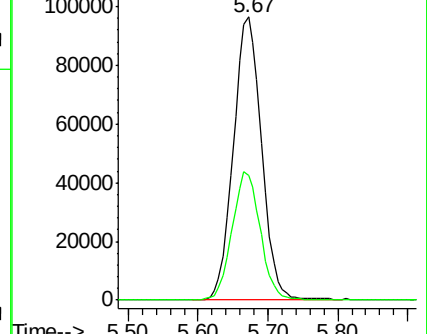
168 100

99 43.8 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001856.D

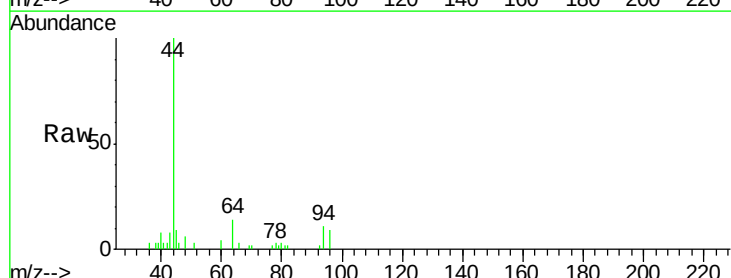
Acq: 19 May 2018 05:34

Tgt Ion: 94 Resp: 647

Ion Ratio Lower Upper

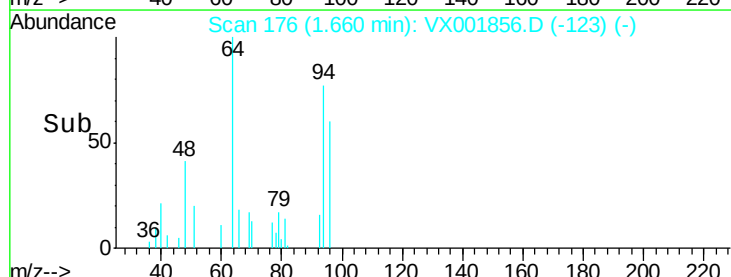
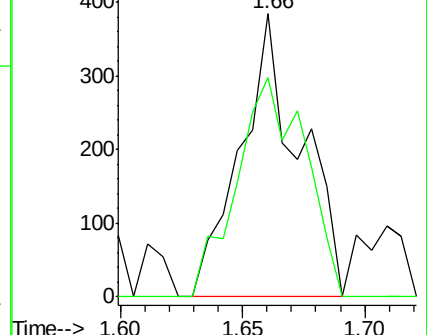
94 100

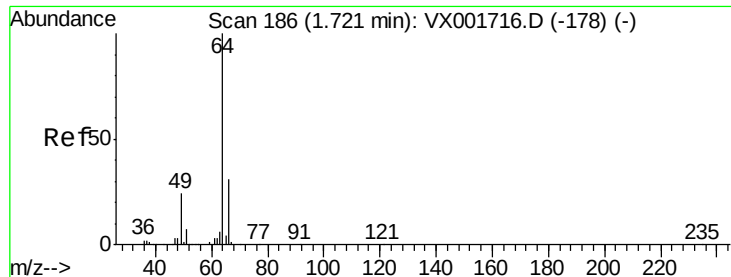
96 77.3 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

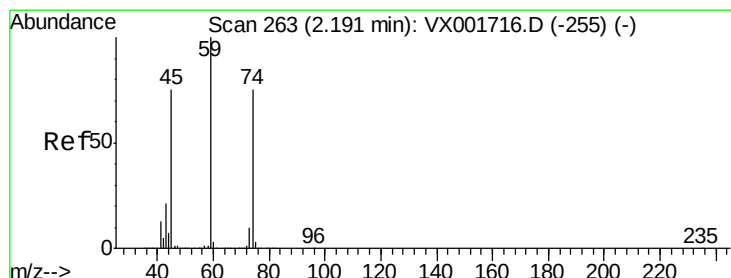
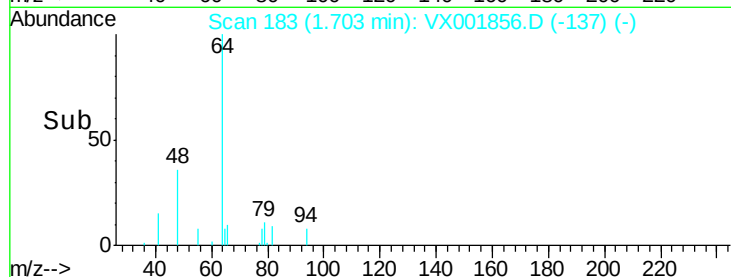
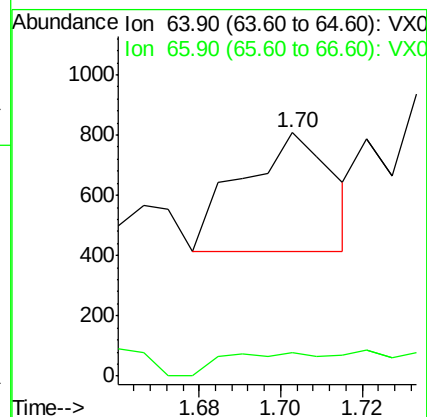
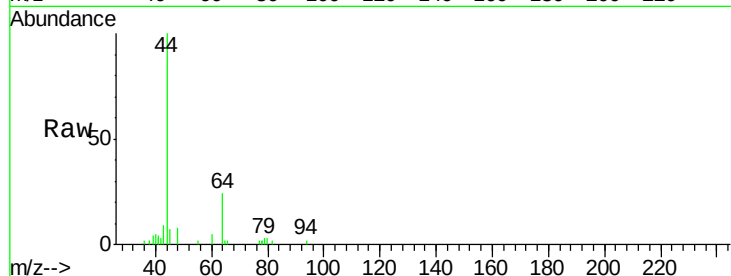
PB109413ZHE#07

Tgt Ion: 64 Resp: 609

Ion Ratio Lower Upper

64 100

66 19.5 25.2 37.8#



#8

Diethyl Ether

Concen: 0.51 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001856.D

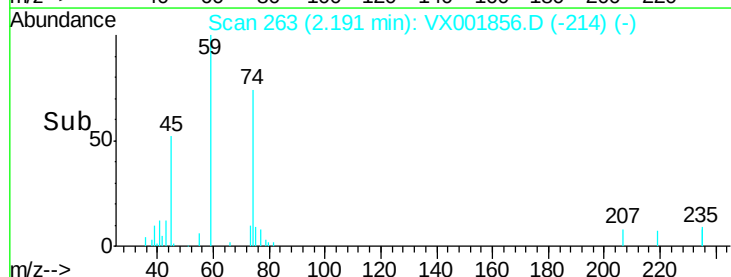
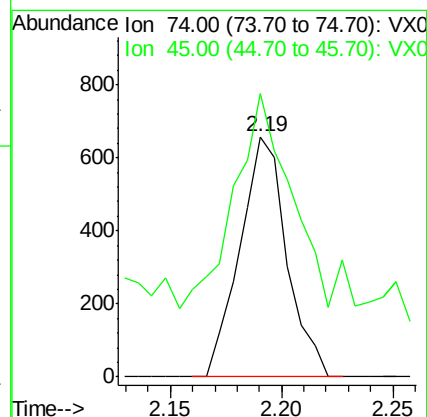
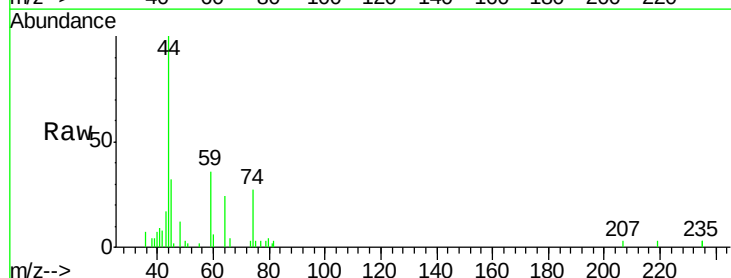
Acq: 19 May 2018 05:34

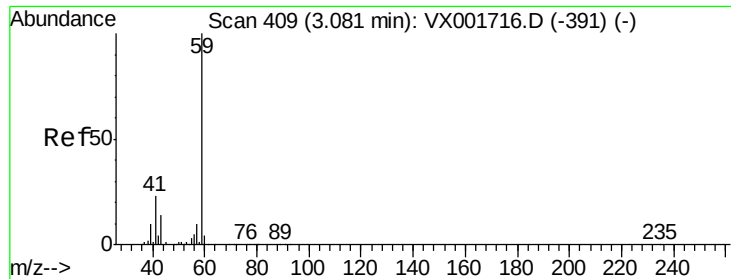
Tgt Ion: 74 Resp: 962

Ion Ratio Lower Upper

74 100

45 112.4 50.0 149.8

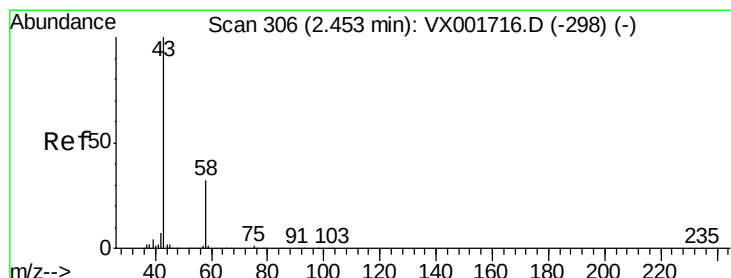
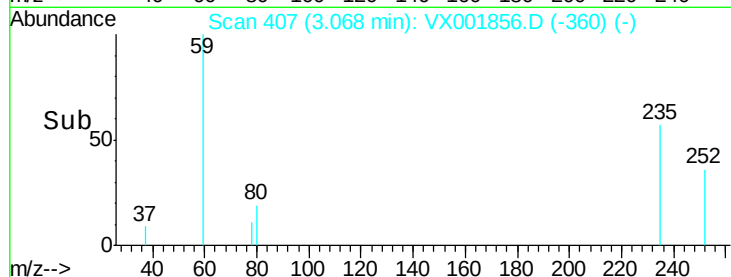
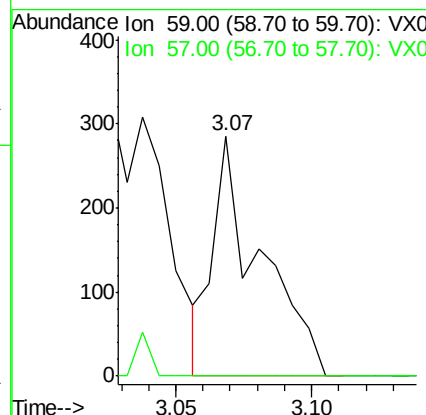
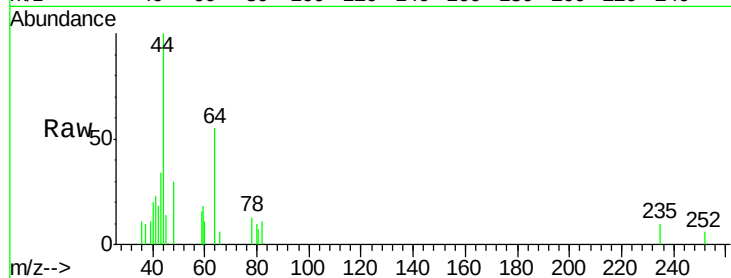




#11
Tert butyl alcohol
Concen: 0.53 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001856.D
Acq: 19 May 2018 05:34

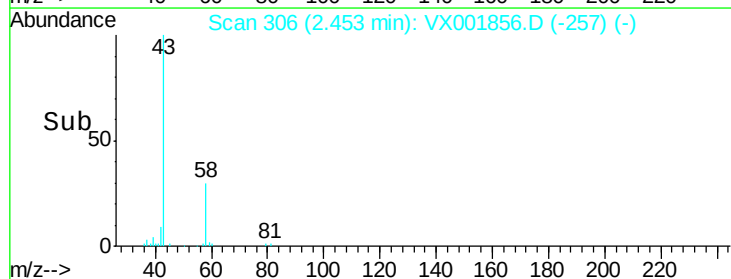
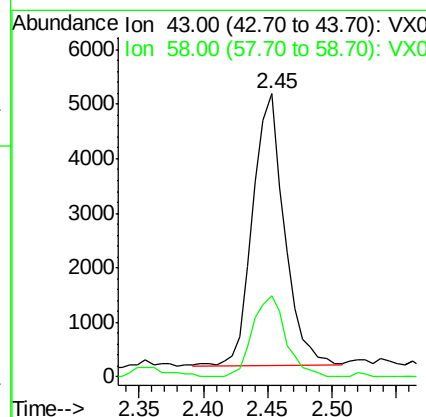
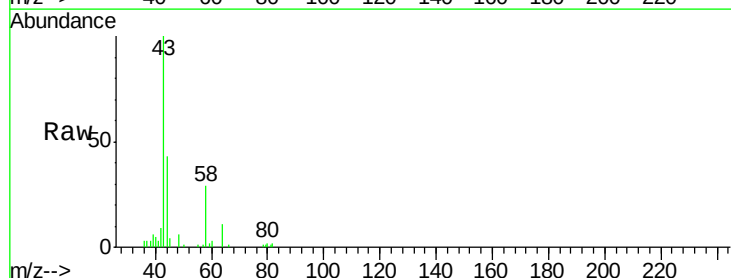
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#07

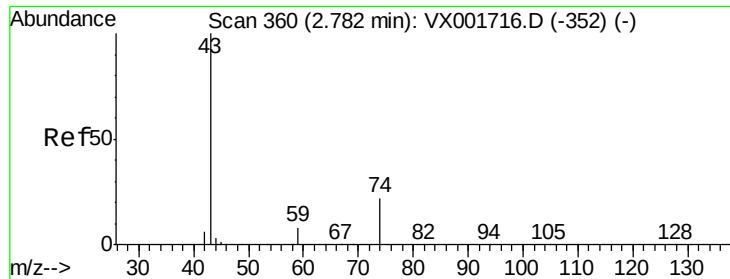
Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 5.95 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001856.D
Acq: 19 May 2018 05:34

Tgt Ion: 43 Resp: 8473
Ion Ratio Lower Upper
43 100
58 30.0 25.3 37.9

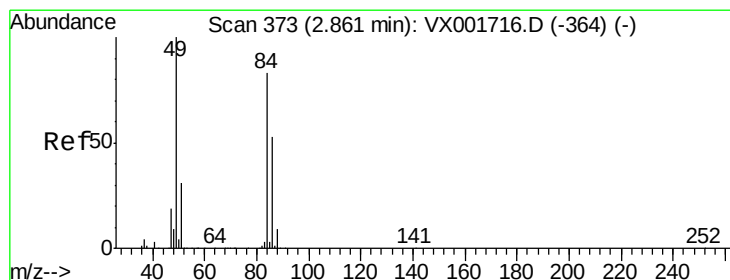
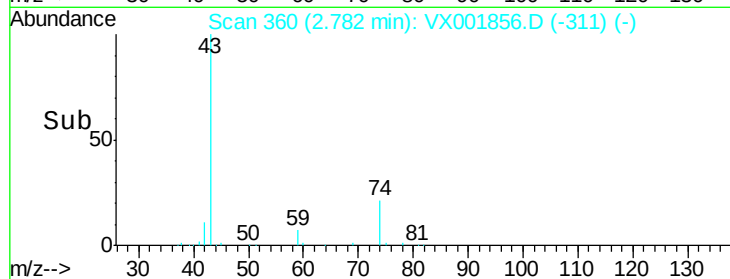
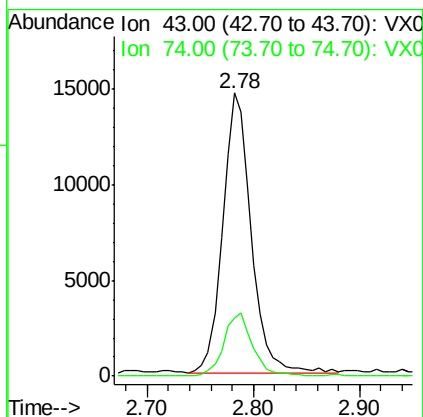
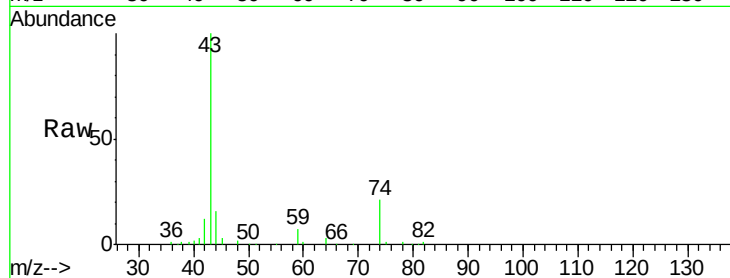




#18
Methyl Acetate
Concen: 6.56 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001856.D
Acq: 19 May 2018 05:34

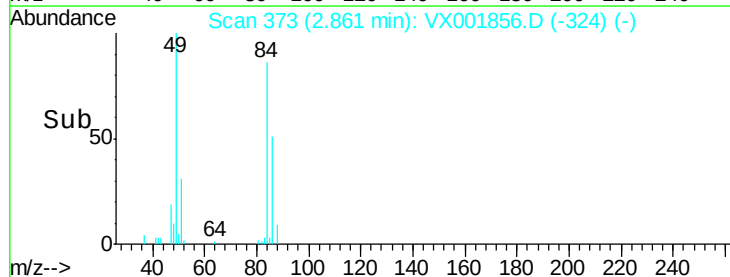
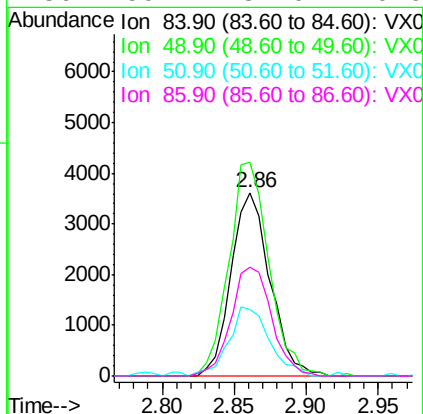
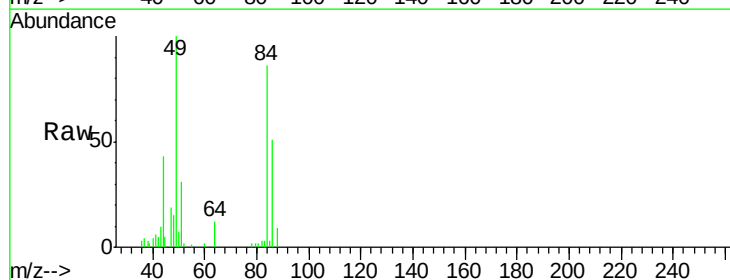
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#07

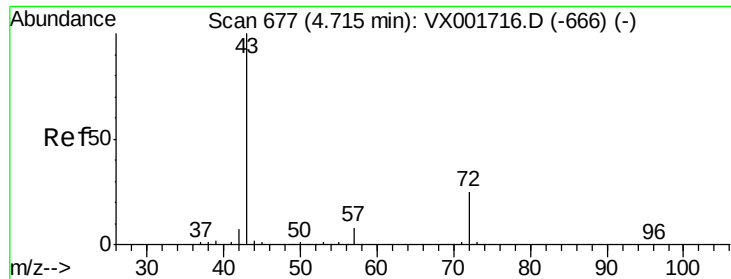
Tgt Ion: 43 Resp: 27324
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2



#20
Methylene Chloride
Concen: 2.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001856.D
Acq: 19 May 2018 05:34

Tgt Ion: 84 Resp: 6824
Ion Ratio Lower Upper
84 100
49 116.4 96.3 144.5
51 36.0 29.8 44.6
86 59.4 51.0 76.6





#25

2-Butanone

Concen: 1.42 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

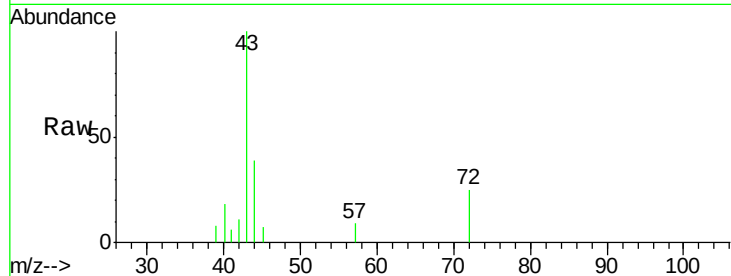
PB109413ZHE#07

Tgt Ion: 43 Resp: 3094

Ion Ratio Lower Upper

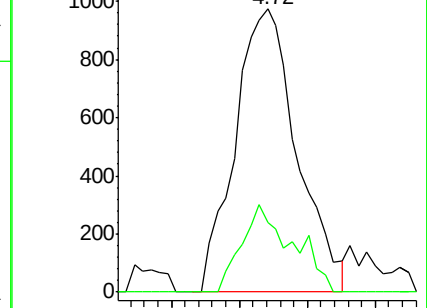
43 100

72 24.8 19.8 29.6

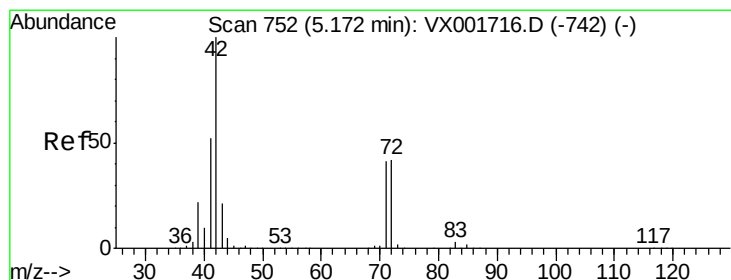
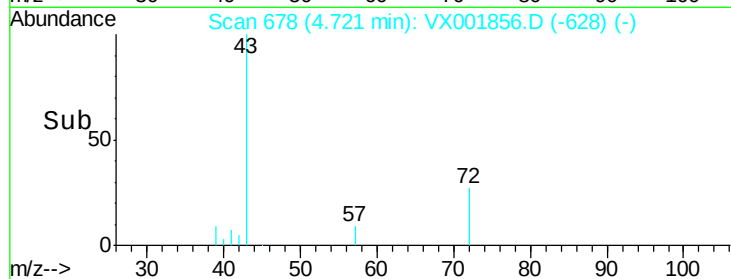


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

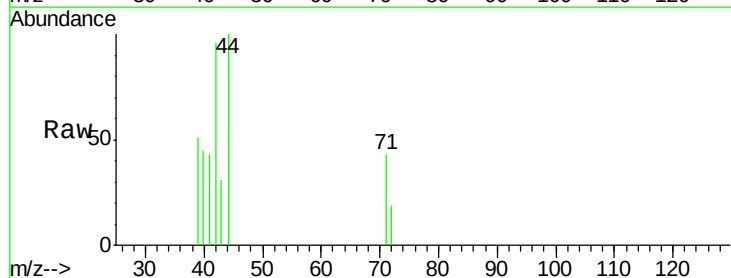
Tgt Ion: 42 Resp: 866

Ion Ratio Lower Upper

42 100

72 19.5 35.4 53.2#

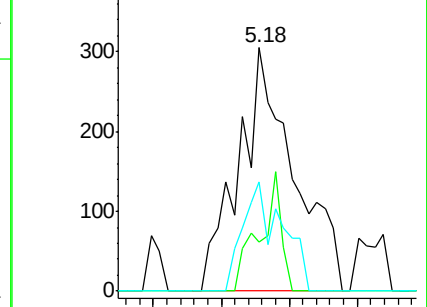
71 31.9 33.2 49.8#



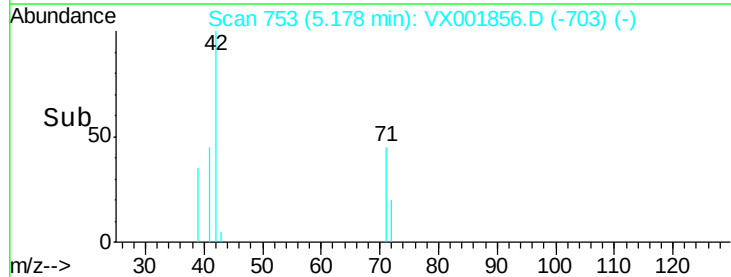
Abundance Ion 42.00 (41.70 to 42.70): VX0

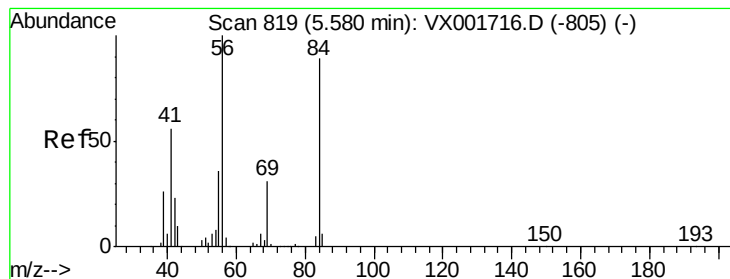
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#07

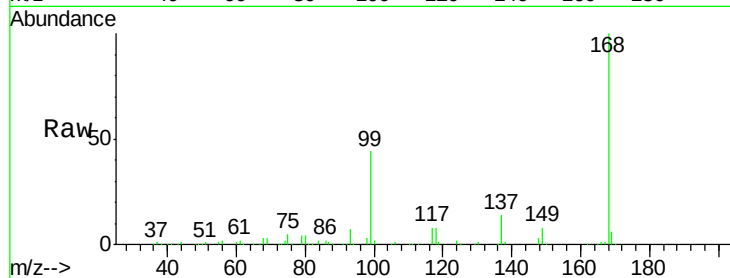
Tgt Ion: 56 Resp: 3994

Ion Ratio Lower Upper

56 100

69 180.1 25.0 37.6#

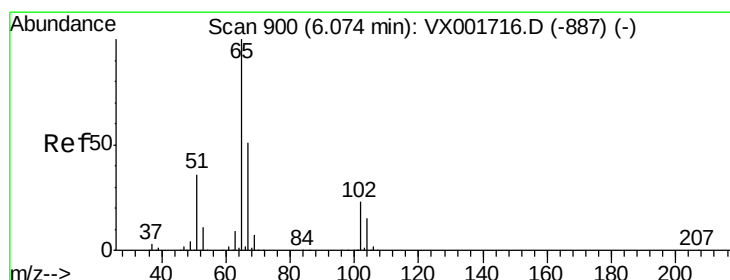
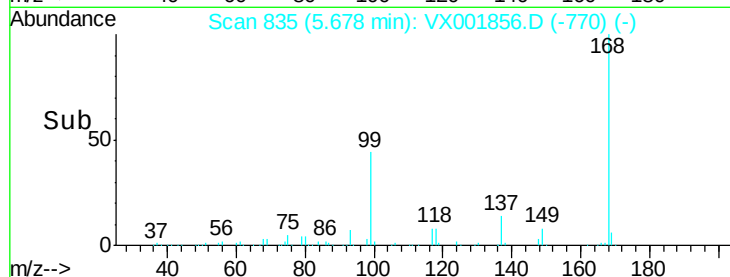
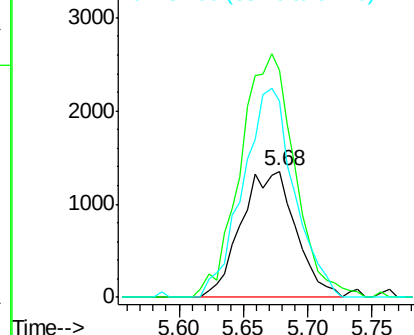
84 155.2 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001856.D

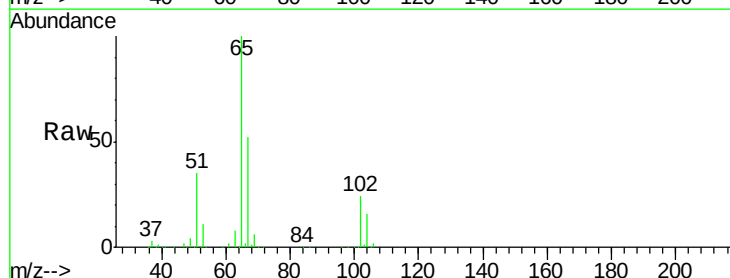
Acq: 19 May 2018 05:34

Tgt Ion: 65 Resp: 158299

Ion Ratio Lower Upper

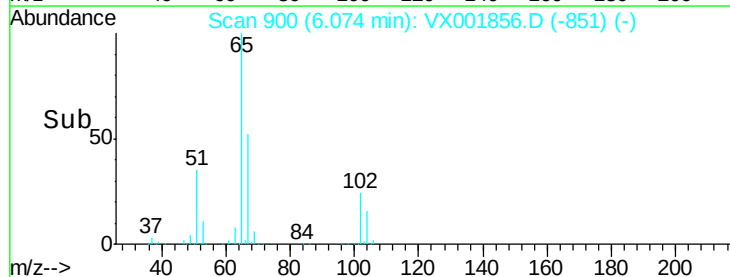
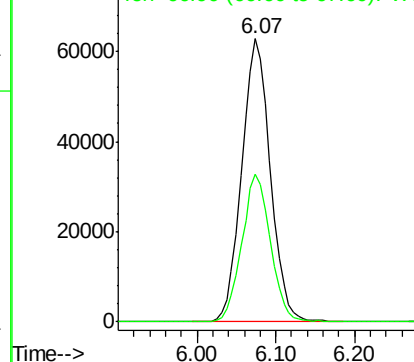
65 100

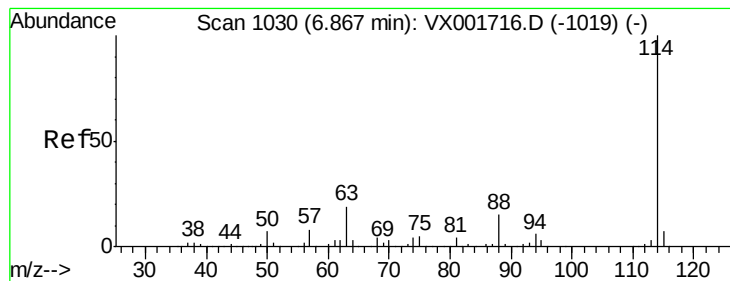
67 52.3 0.0 102.8



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: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

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PB109413ZHE#07

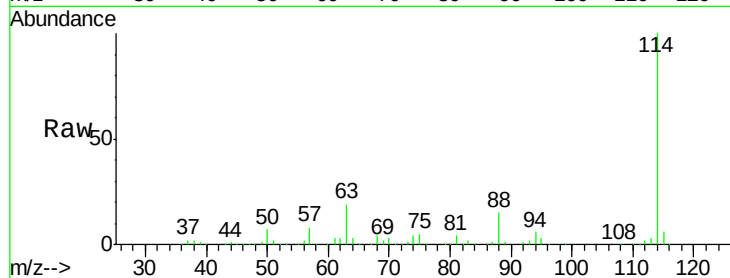
Tgt Ion:114 Resp: 359482

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

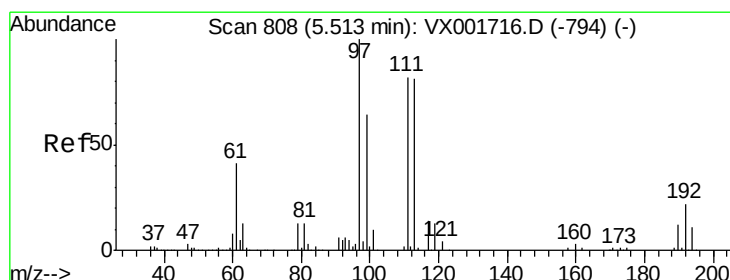
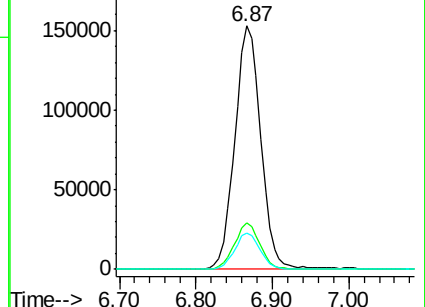
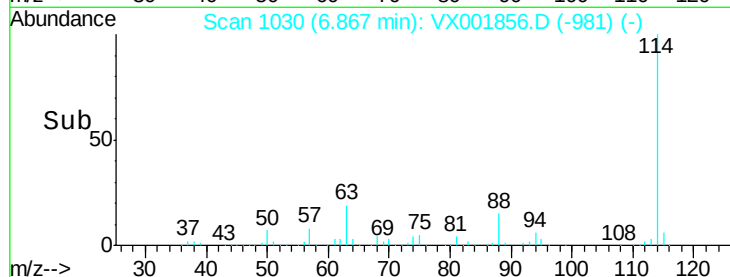
88 15.0 0.0 29.8



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: 45.83 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

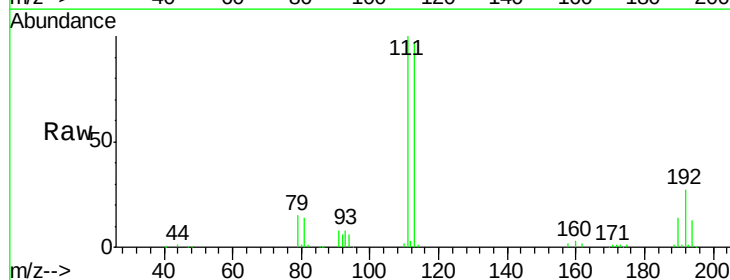
Tgt Ion:113 Resp: 139049

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

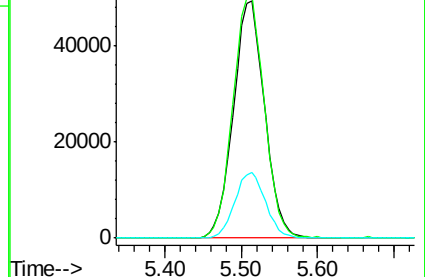
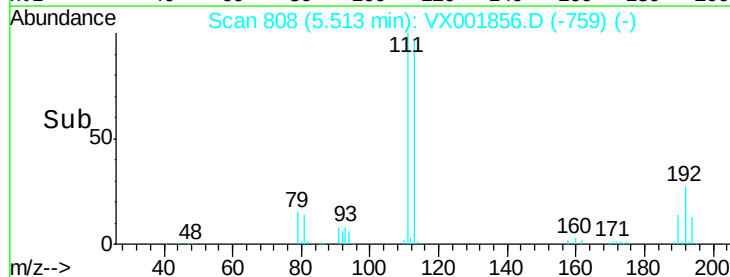
192 27.3 21.6 32.4

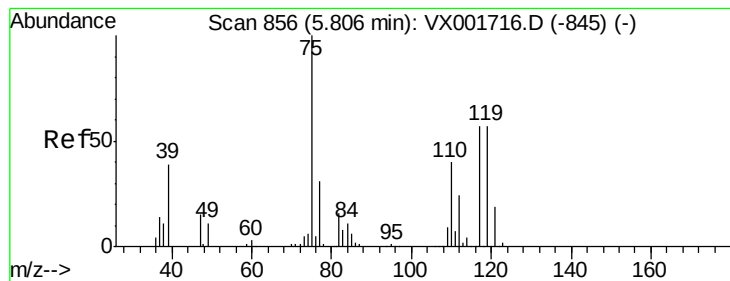


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.67 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#07

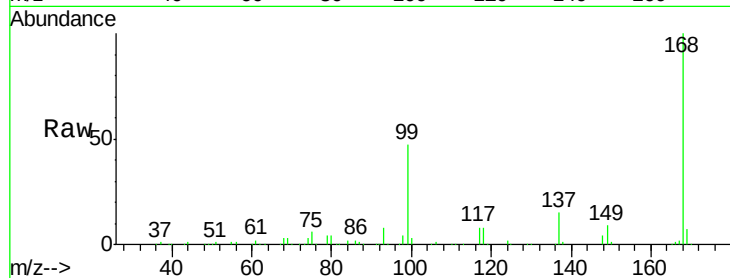
Tgt Ion: 75 Resp: 15168

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

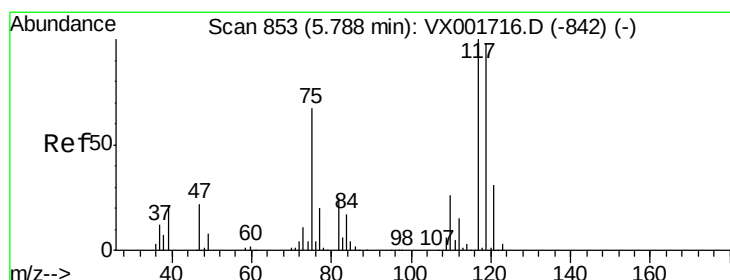
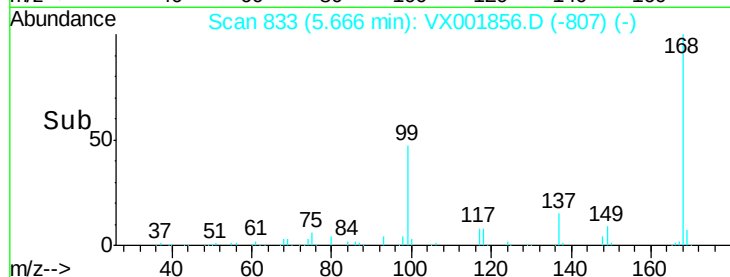
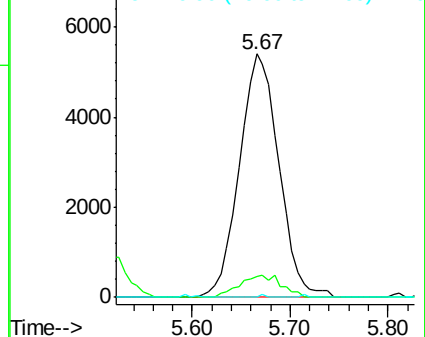
77 0.1 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 4.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

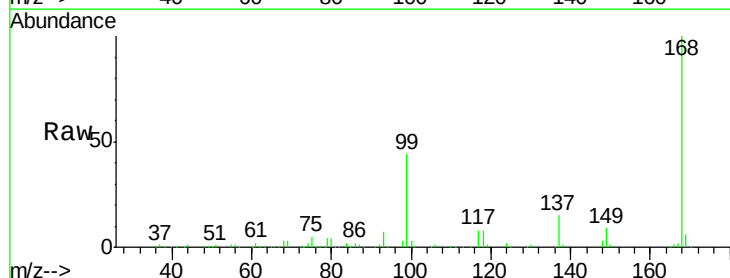
Tgt Ion: 117 Resp: 21225

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

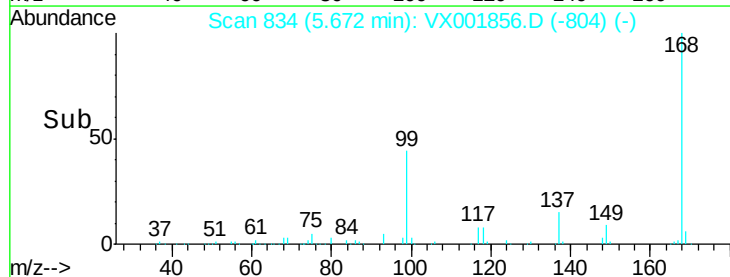
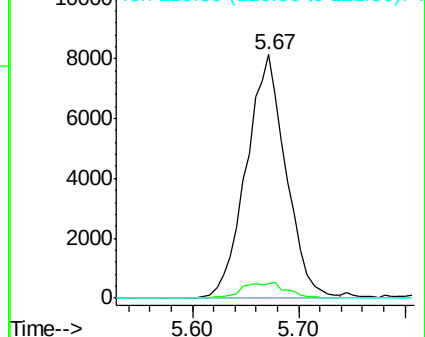
121 0.0 24.6 36.8#

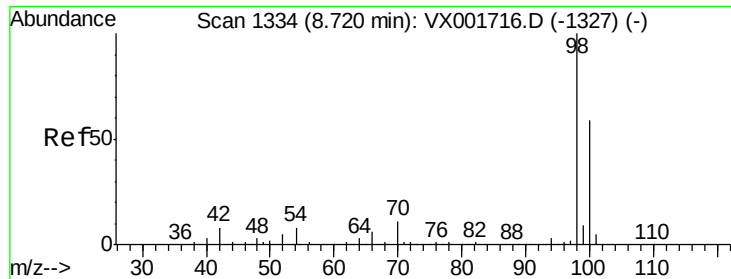


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 45.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

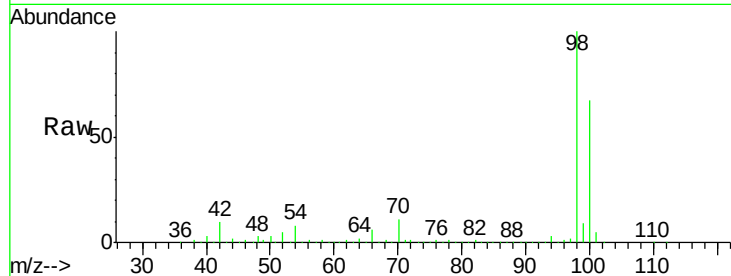
PB109413ZHE#07

Tgt Ion: 98 Resp: 496212

Ion Ratio Lower Upper

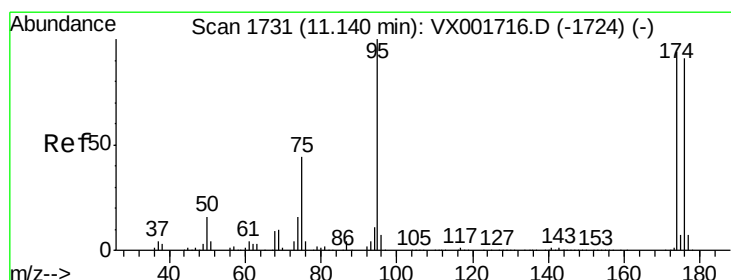
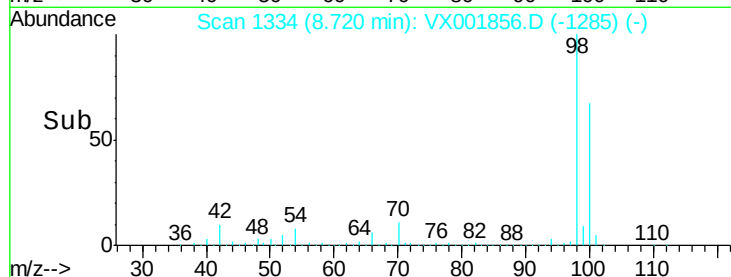
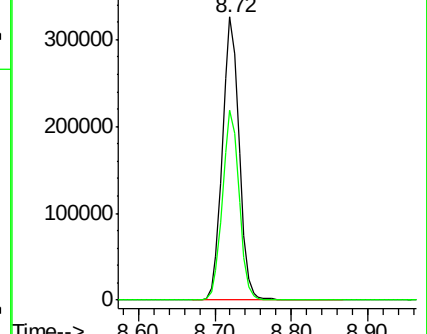
98 100

100 67.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 32.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001856.D

Acq: 19 May 2018 05:34

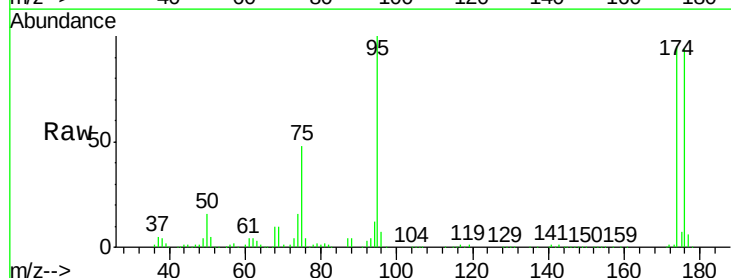
Tgt Ion: 95 Resp: 126312

Ion Ratio Lower Upper

95 100

174 102.7 0.0 201.8

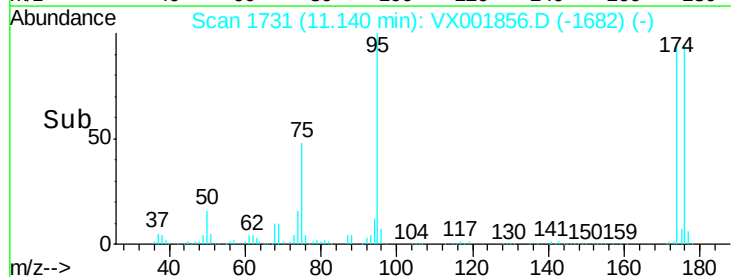
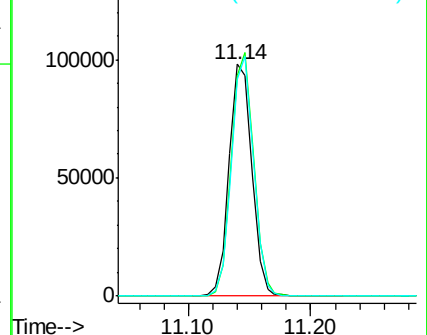
176 100.1 0.0 196.8

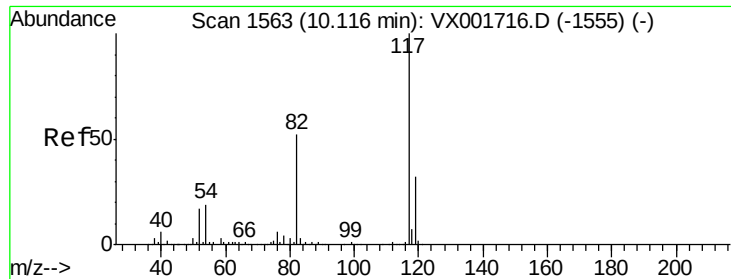


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

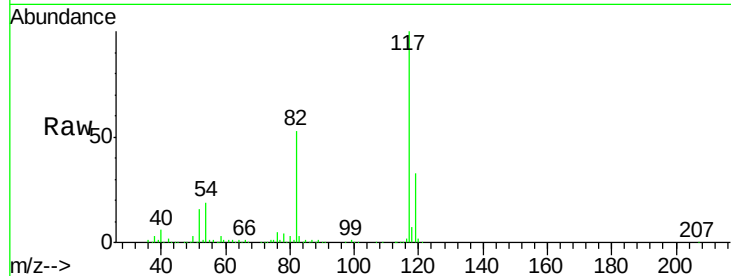




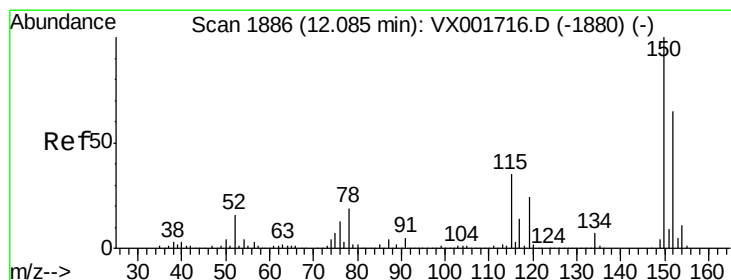
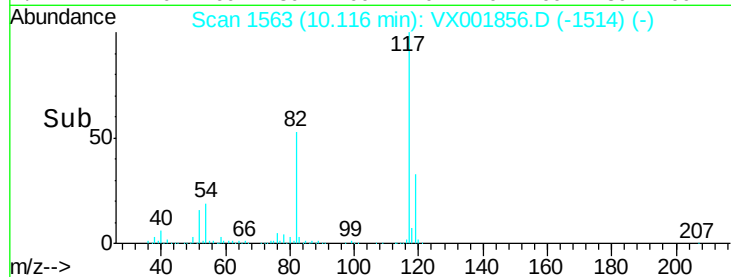
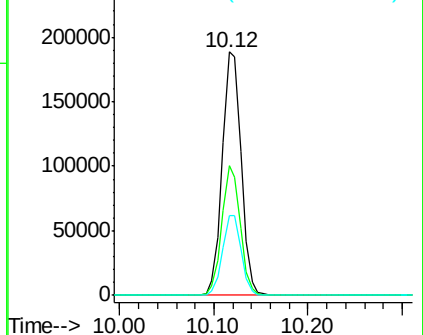
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001856.D
Acq: 19 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#07

Tgt Ion:117 Resp: 263247
Ion Ratio Lower Upper
117 100
82 53.0 41.4 62.2
119 32.9 25.6 38.4

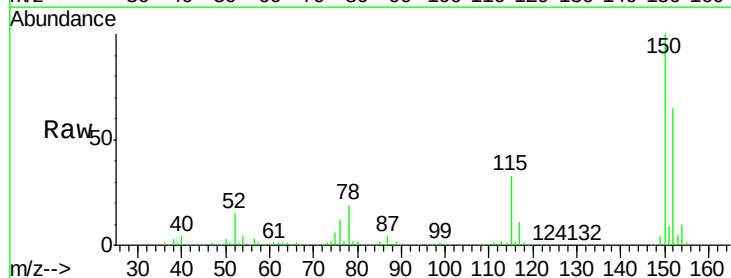


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

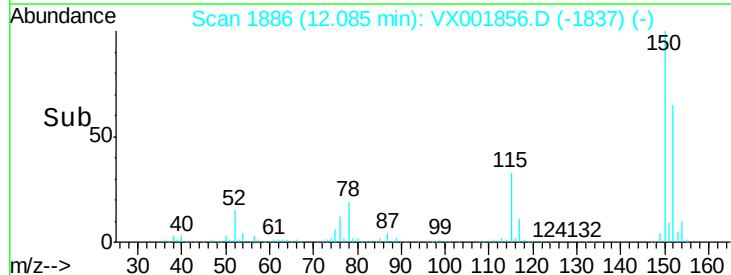
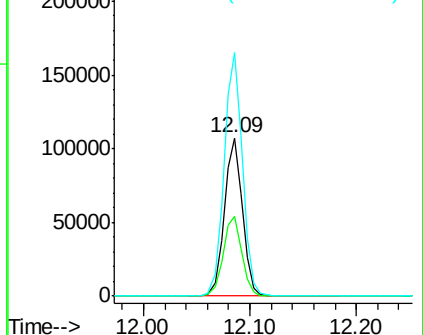


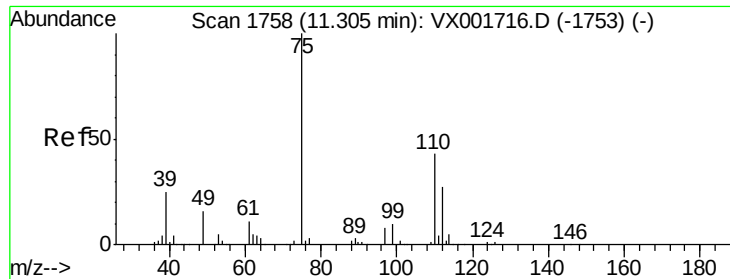
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001856.D
Acq: 19 May 2018 05:34

Tgt Ion:152 Resp: 126681
Ion Ratio Lower Upper
152 100
115 51.8 37.4 112.2
150 156.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

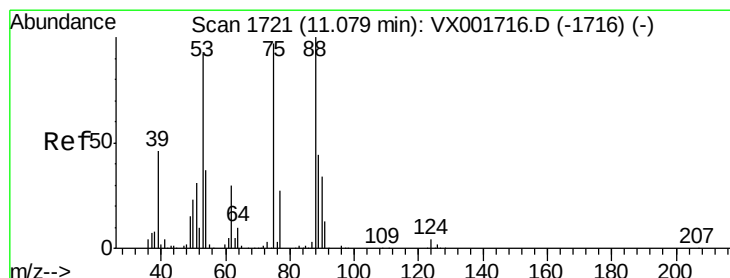
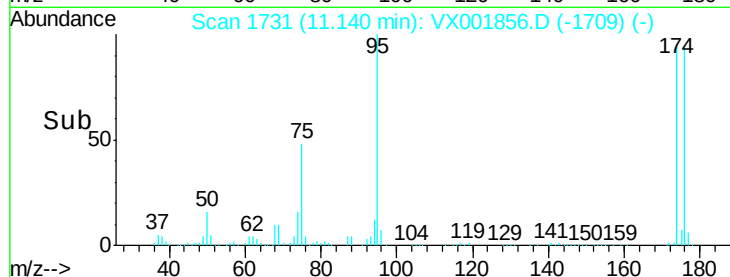
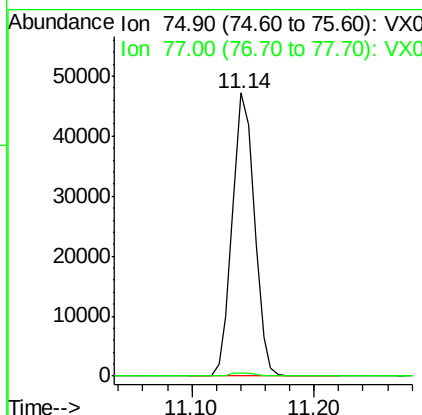
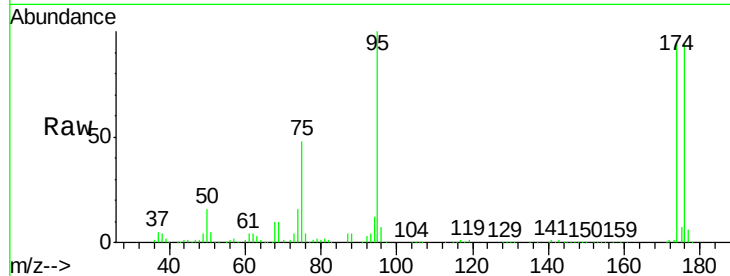




#76
 1,2,3-Trichloropropane
 Concen: 24.43 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001856.D
 Acq: 19 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#07

Tgt Ion: 75 Resp: 58847
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001856.D
 Acq: 19 May 2018 05:34

Tgt Ion: 75 Resp: 58847
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.4 119.2#
 89 0.0 38.8 58.2#

