

Data File : VX001855.D

Acq On : 19 May 2018 05:07

Operator : JC/MD

Sample : PB109413ZHE#06

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#06

Quant Time: May 21 03:21:14 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	275905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	145953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161822	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
35) Dibromofluoromethane	5.51	113	143424	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	8.72	98	517497	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
62) 4-Bromofluorobenzene	11.14	95	138556	33.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.88%	

Target Compounds

						Qvalue
5) Bromomethane	1.67	94	834	Below Cal	#	53
6) Chloroethane	1.76	64	1183	0.58	ug/l #	52
8) Diethyl Ether	2.19	74	1028	0.53	ug/l	89
11) Tert butyl alcohol	3.02	59	1094	1.67	ug/l #	72
16) Acetone	2.45	43	8108	5.58	ug/l	99
18) Methyl Acetate	2.78	43	26672	6.28	ug/l	97
20) Methylene Chloride	2.86	84	6471	2.08	ug/l	94
25) 2-Butanone	4.73	43	3203	1.44	ug/l	92
29) Tetrahydrofuran	5.18	42	476	0.33	ug/l #	85
31) Cyclohexane	5.67	56	4091	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15878	3.68	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22730	5.02	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	64048	23.08	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	64048	67.53	ug/l #	10

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

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Instrument :

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ClientSampleId :

PB109413ZHE#06

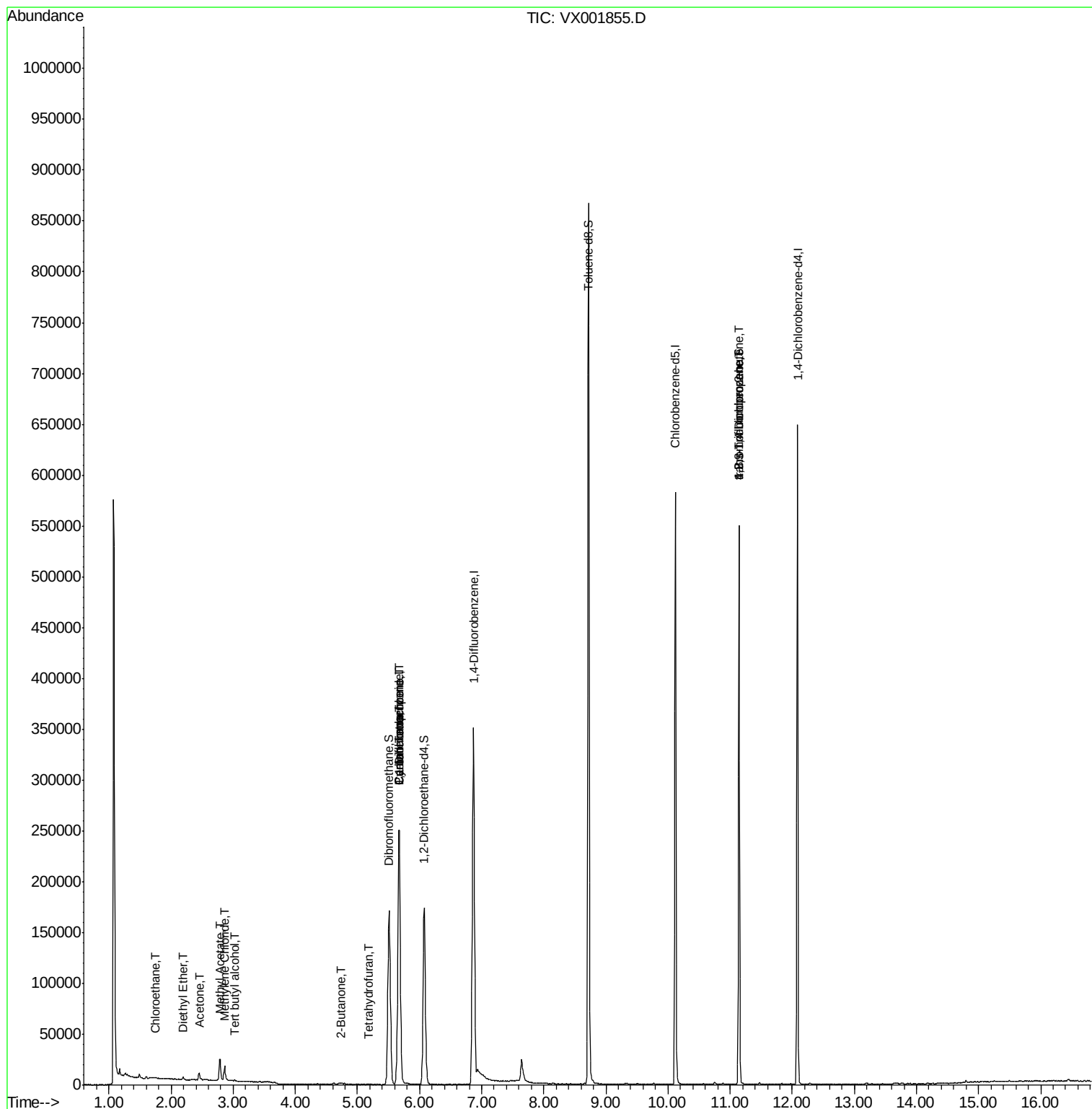
Quant Time: May 21 03:21:14 2018

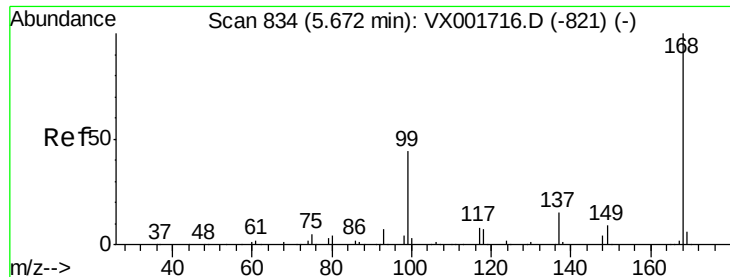
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

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: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

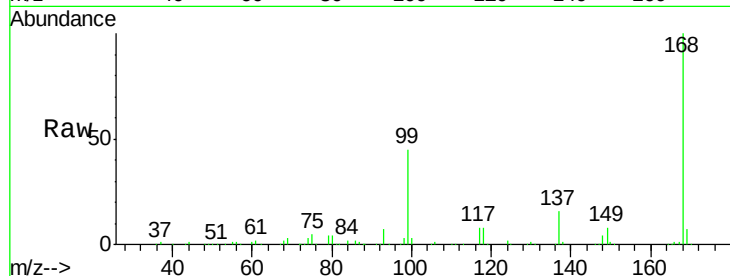
PB109413ZHE#06

Tgt Ion:168 Resp: 275905

Ion Ratio Lower Upper

168 100

99 44.8 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

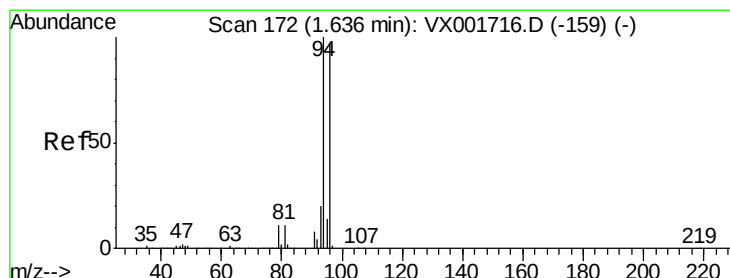
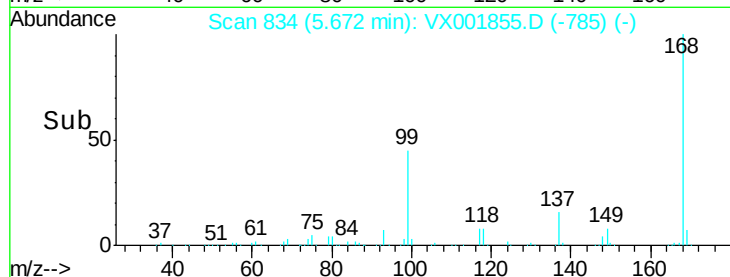
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001855.D

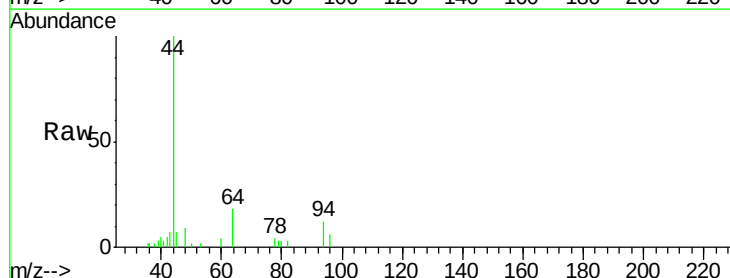
Acq: 19 May 2018 05:07

Tgt Ion: 94 Resp: 834

Ion Ratio Lower Upper

94 100

96 50.2 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

400

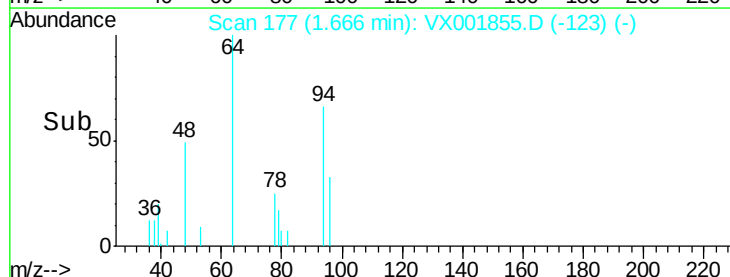
300

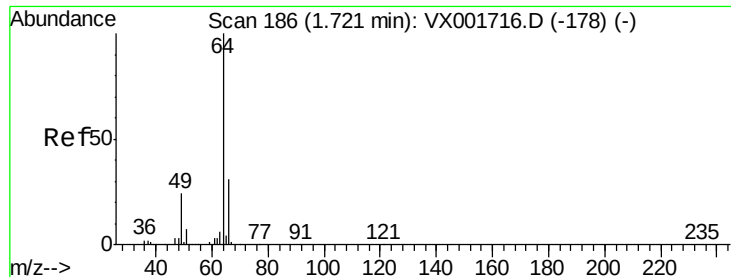
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.58 ug/l

RT: 1.76 min Scan# 192

Delta R.T. 0.04 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

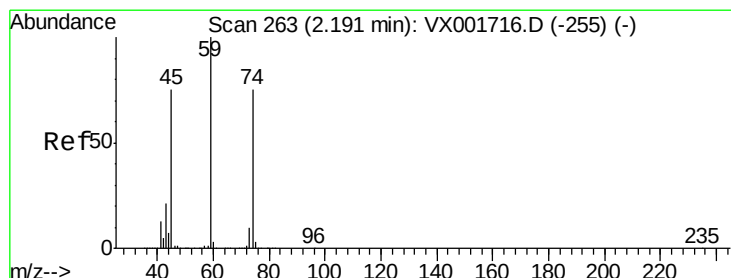
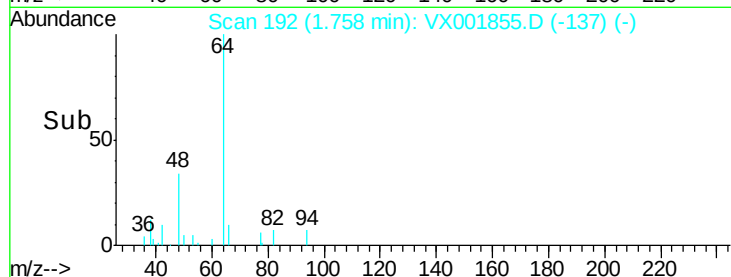
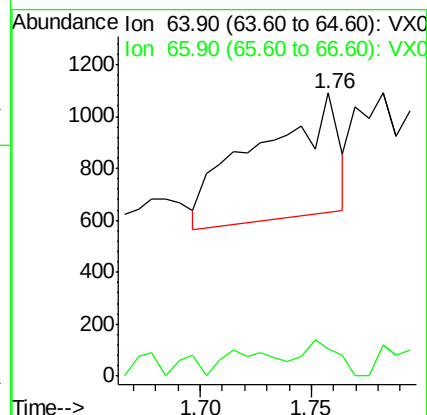
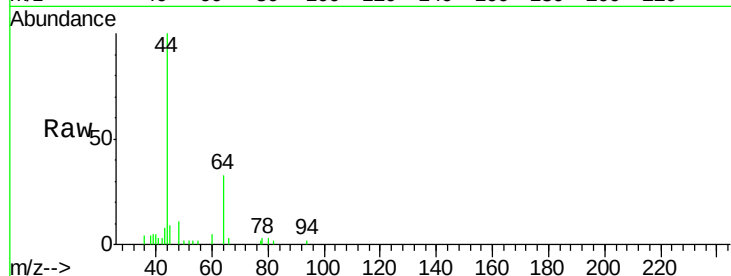
PB109413ZHE#06

Tgt Ion: 64 Resp: 1183

Ion Ratio Lower Upper

64 100

66 5.1 25.2 37.8#



#8

Diethyl Ether

Concen: 0.53 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001855.D

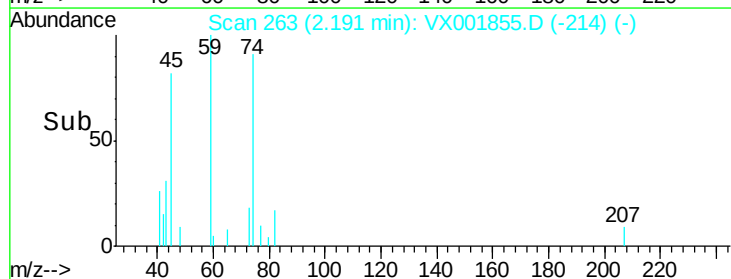
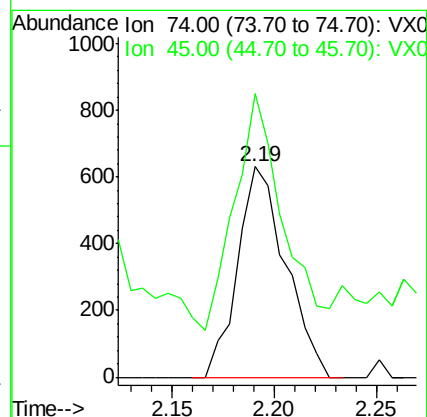
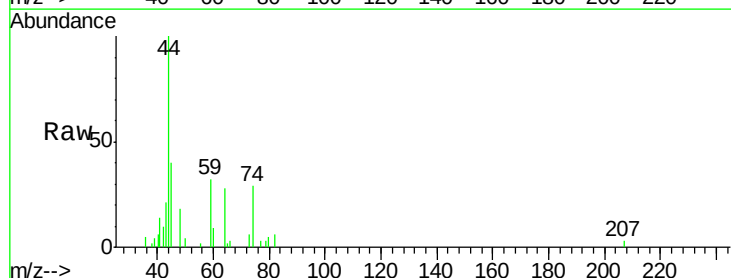
Acq: 19 May 2018 05:07

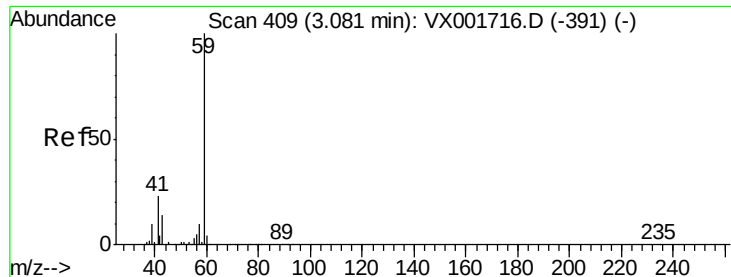
Tgt Ion: 74 Resp: 1028

Ion Ratio Lower Upper

74 100

45 111.2 50.0 149.8



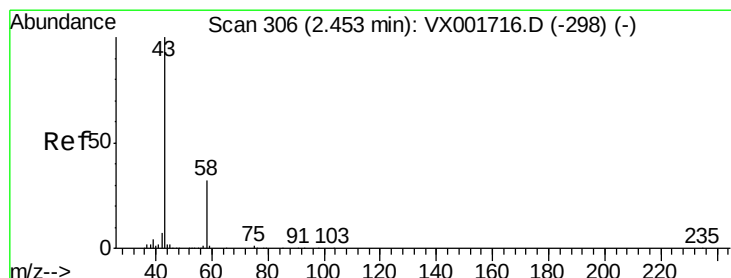
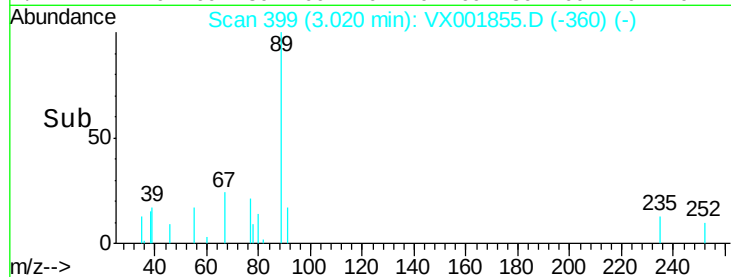
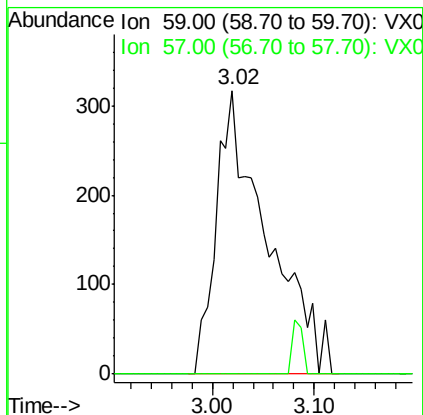
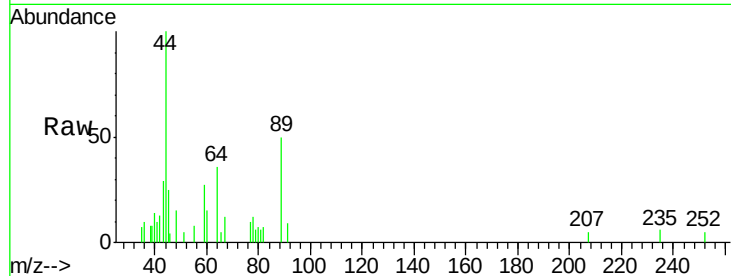


#11

Tert butyl alcohol
 Concen: 1.67 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX001855.D
 Acq: 19 May 2018 05:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#06

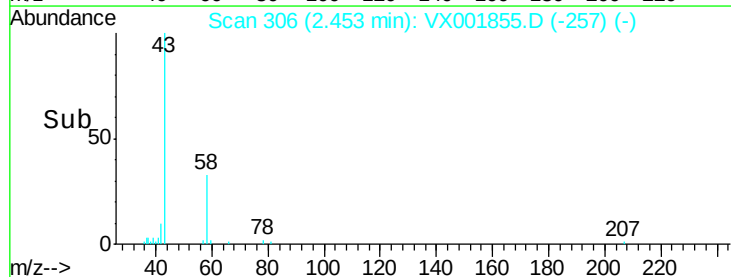
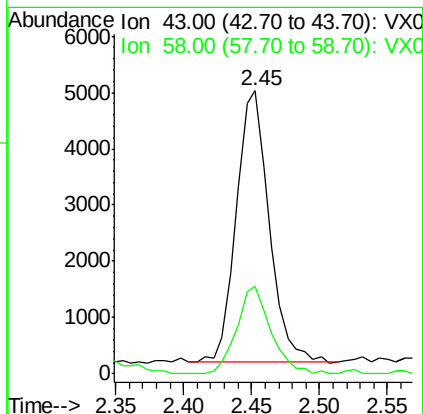
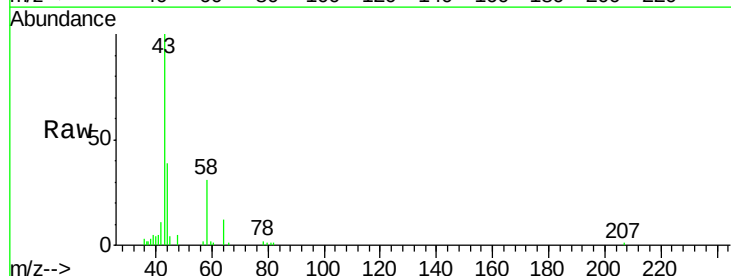
Tgt Ion: 59 Resp: 1094
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

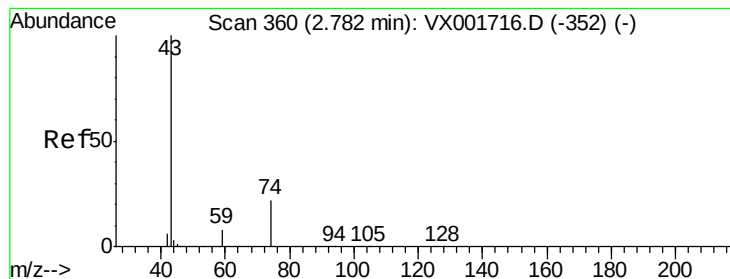


#16

Acetone
 Concen: 5.58 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001855.D
 Acq: 19 May 2018 05:07

Tgt Ion: 43 Resp: 8108
 Ion Ratio Lower Upper
 43 100
 58 32.4 25.3 37.9





#18

Methyl Acetate

Concen: 6.28 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

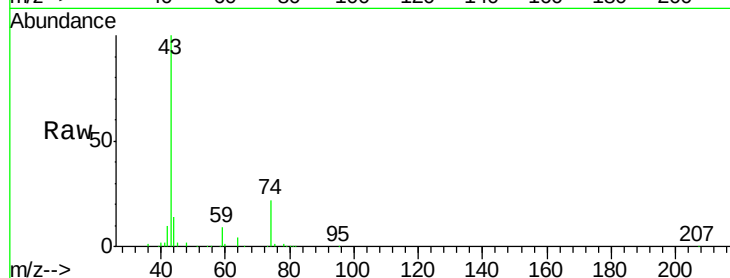
PB109413ZHE#06

Tgt Ion: 43 Resp: 26672

Ion Ratio Lower Upper

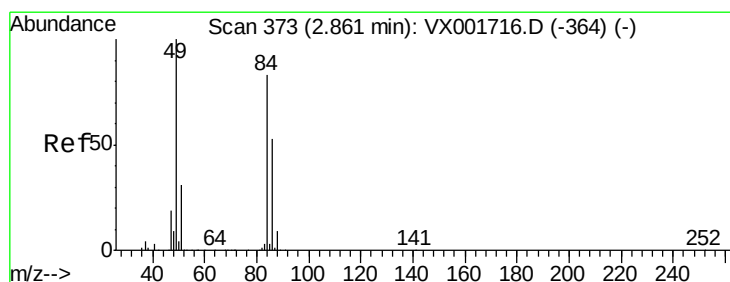
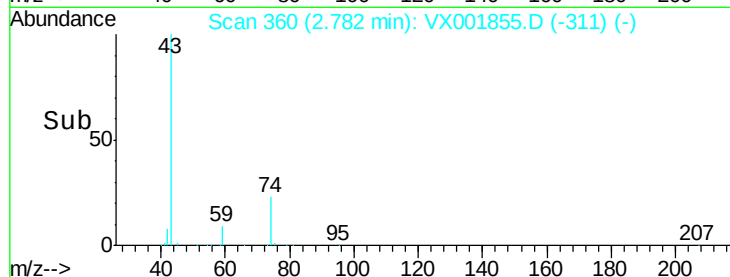
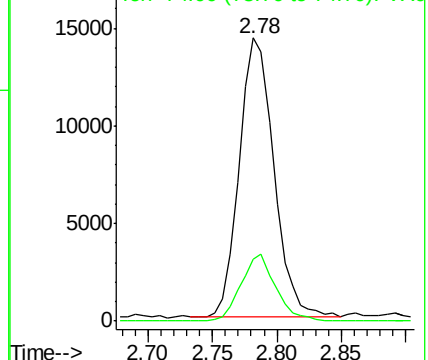
43 100

74 24.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 2.08 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

Tgt Ion: 84 Resp: 6471

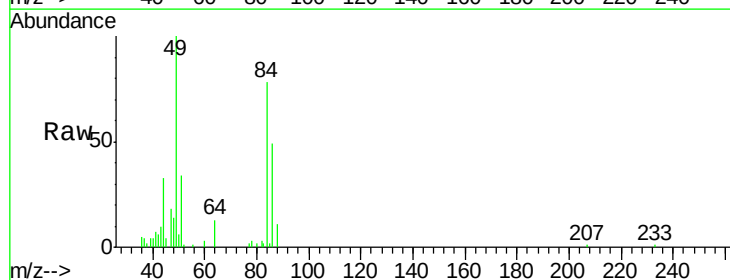
Ion Ratio Lower Upper

84 100

49 128.2 96.3 144.5

51 43.7 29.8 44.6

86 62.9 51.0 76.6

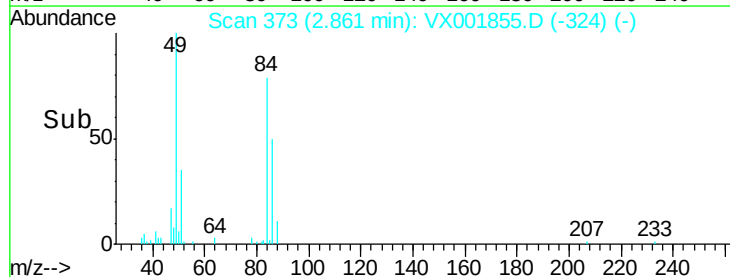
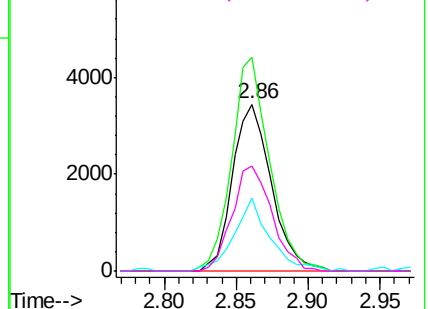


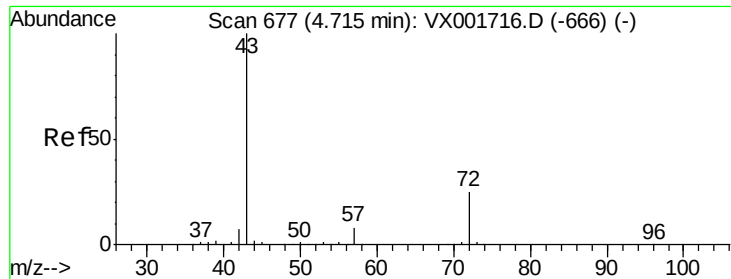
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 1.44 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

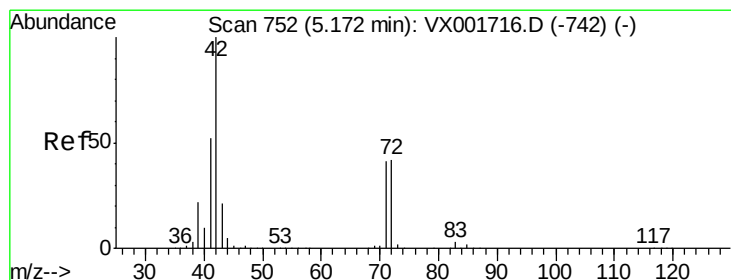
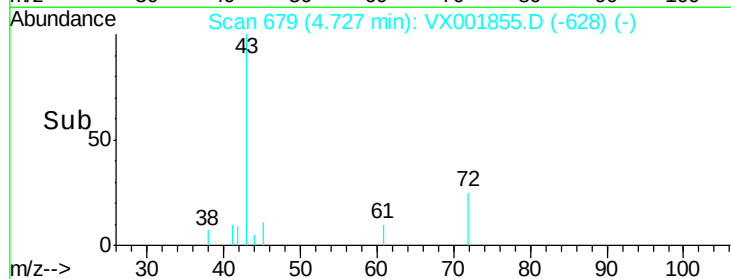
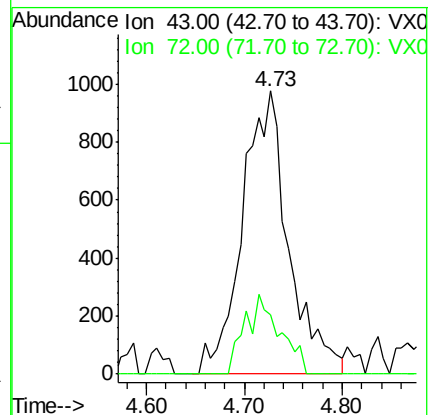
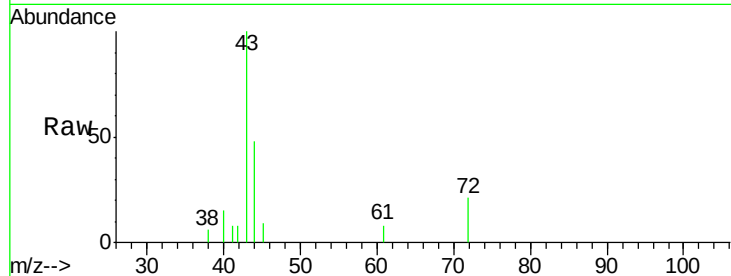
PB109413ZHE#06

Tgt Ion: 43 Resp: 3203

Ion Ratio Lower Upper

43 100

72 20.8 19.8 29.6



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

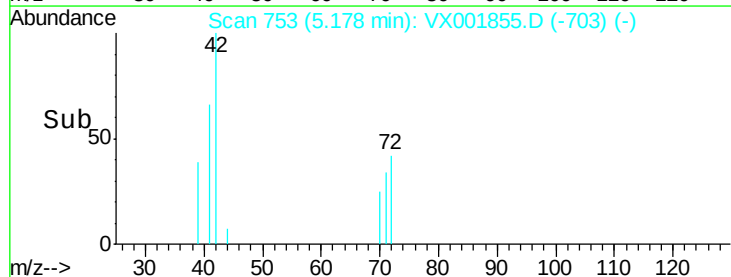
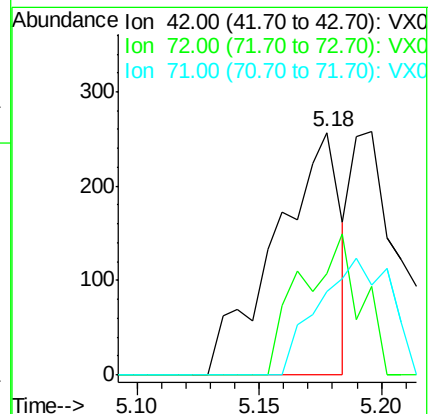
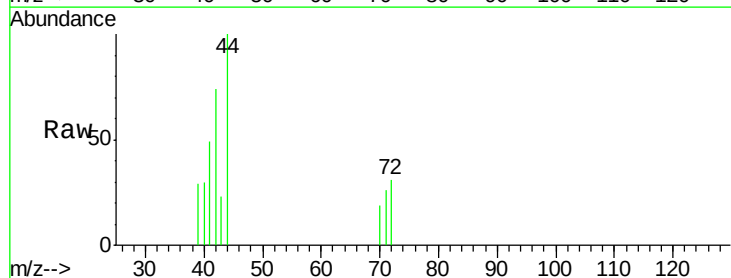
Tgt Ion: 42 Resp: 476

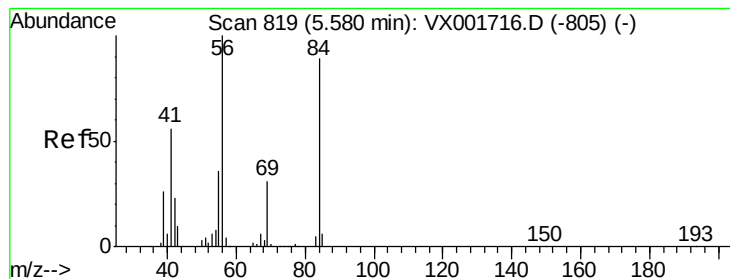
Ion Ratio Lower Upper

42 100

72 52.3 35.4 53.2

71 53.4 33.2 49.8#





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#06

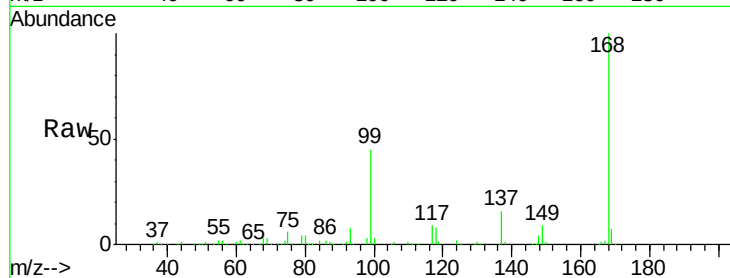
Tgt Ion: 56 Resp: 4091

Ion Ratio Lower Upper

56 100

69 169.8 25.0 37.6#

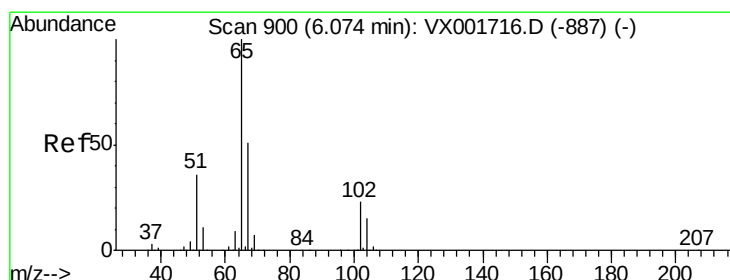
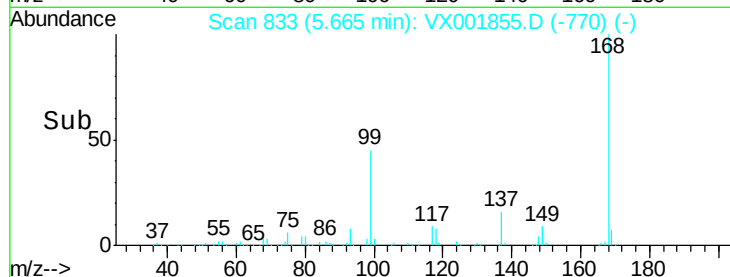
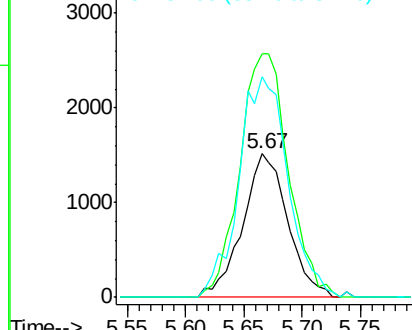
84 154.2 71.0 106.4#



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: 43.76 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001855.D

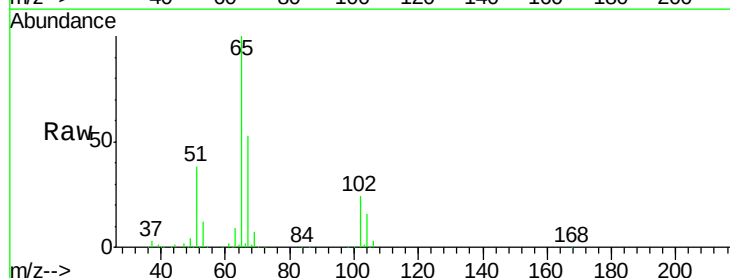
Acq: 19 May 2018 05:07

Tgt Ion: 65 Resp: 161822

Ion Ratio Lower Upper

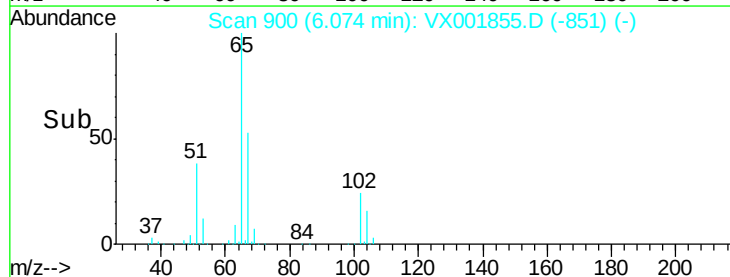
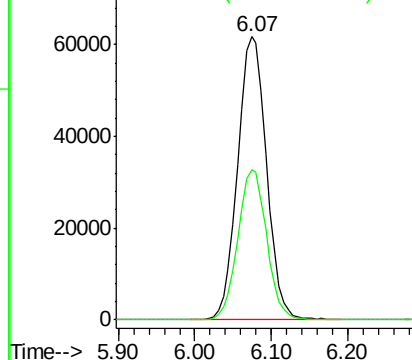
65 100

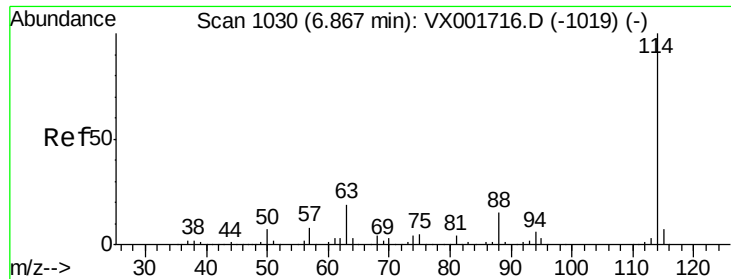
67 52.9 0.0 102.8



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: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#06

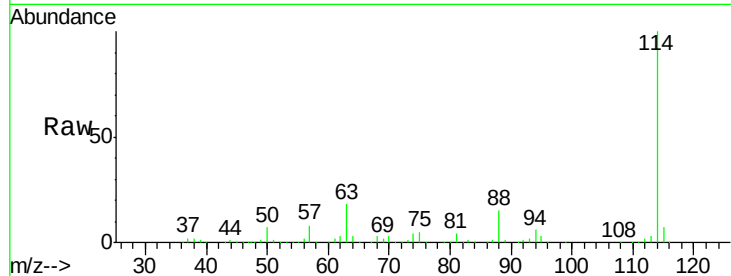
Tgt Ion:114 Resp: 375132

Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.0

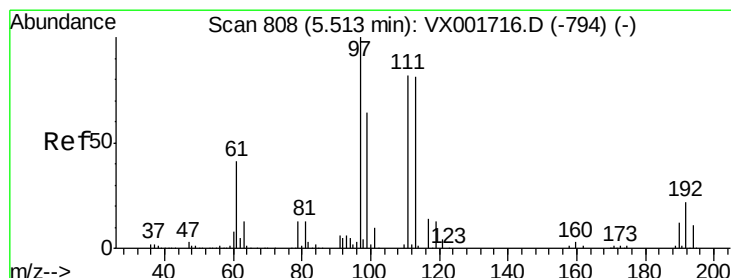
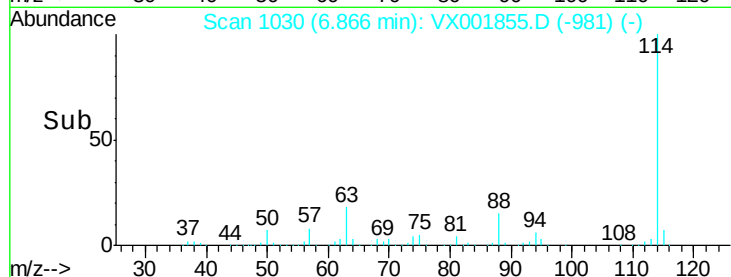
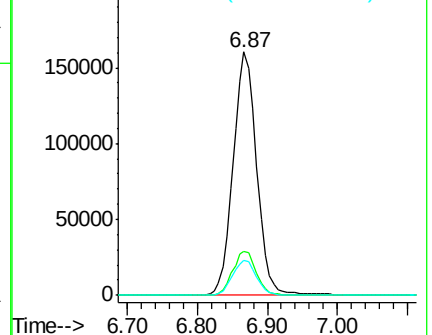
88 14.6 0.0 29.8



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: 45.30 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

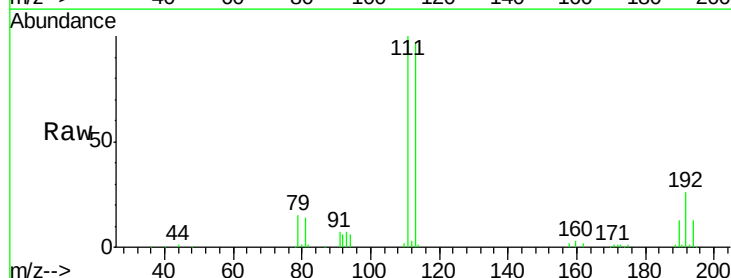
Tgt Ion:113 Resp: 143424

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

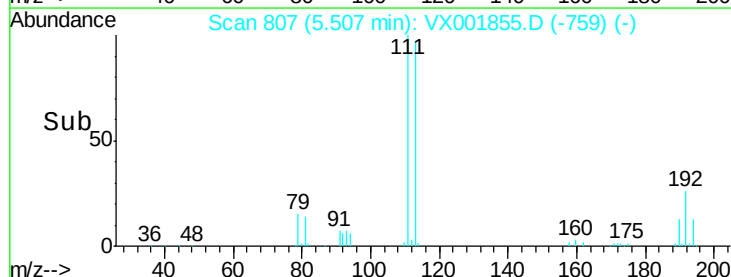
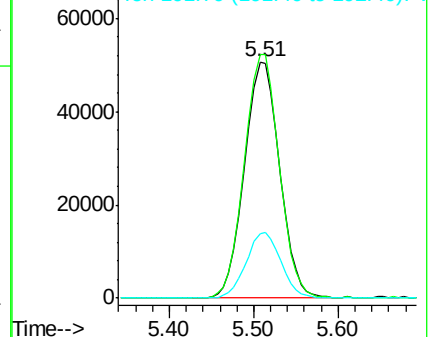
192 27.5 21.6 32.4

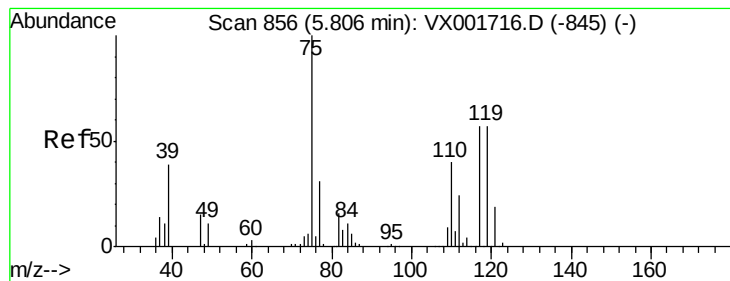


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#06

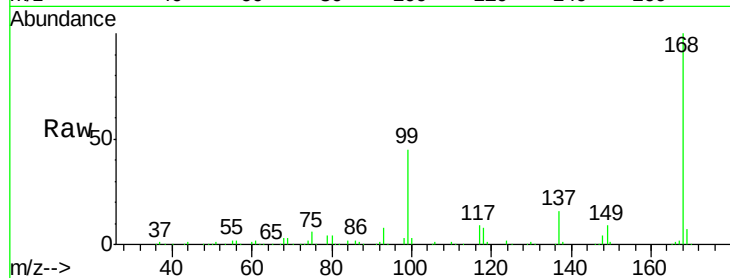
Tgt Ion: 75 Resp: 15878

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

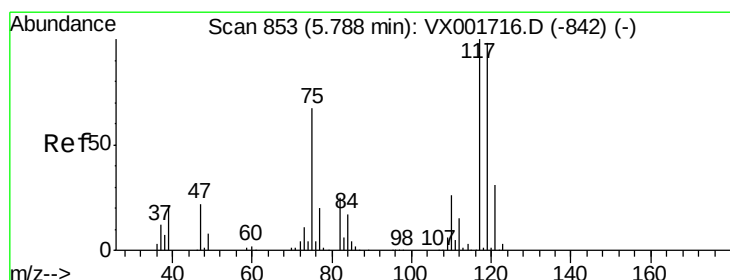
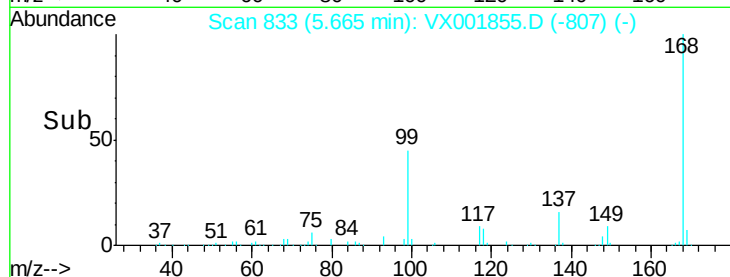
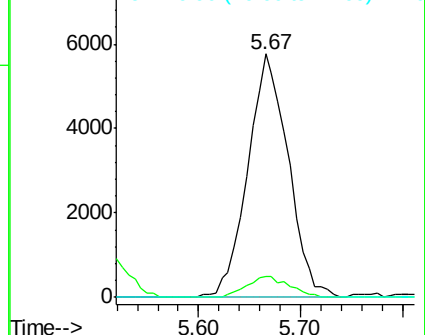
77 0.0 24.6 37.0#



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: 5.02 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001855.D

Acq: 19 May 2018 05:07

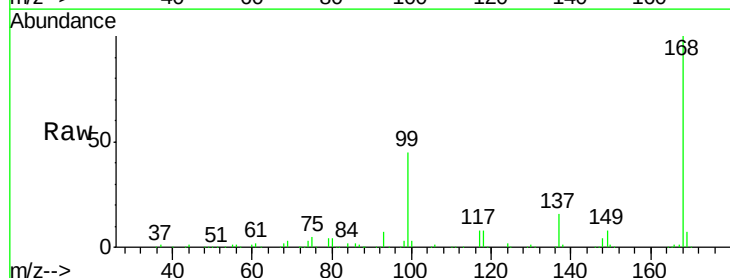
Tgt Ion: 117 Resp: 22730

Ion Ratio Lower Upper

117 100

119 5.2 77.6 116.4#

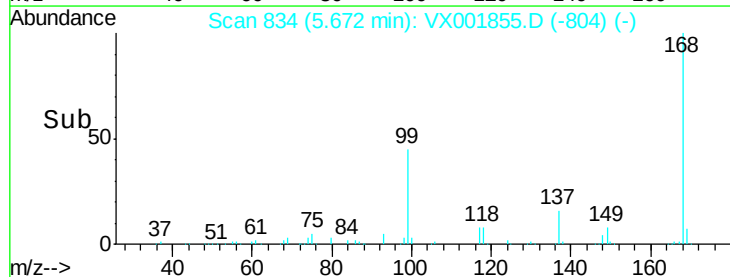
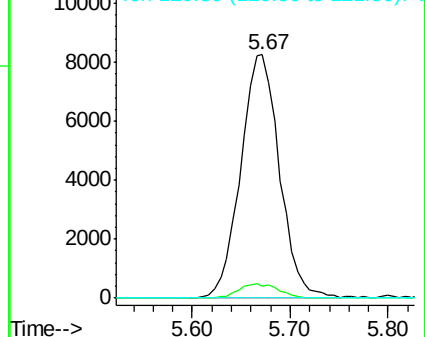
121 0.0 24.6 36.8#

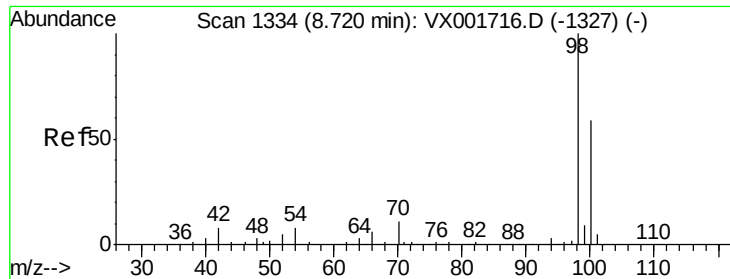


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

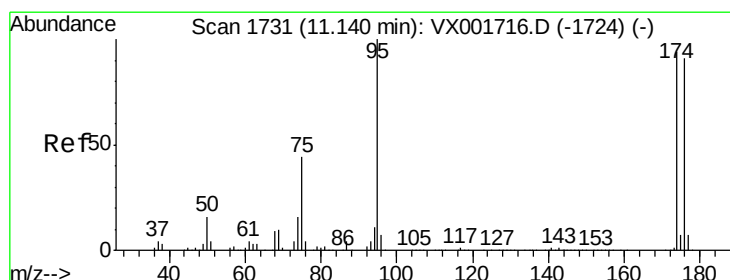
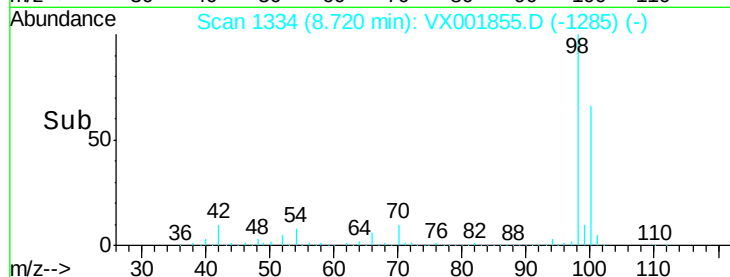
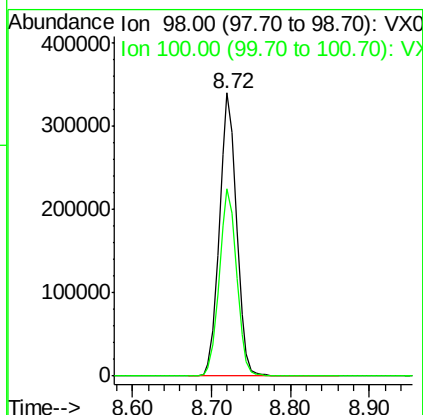
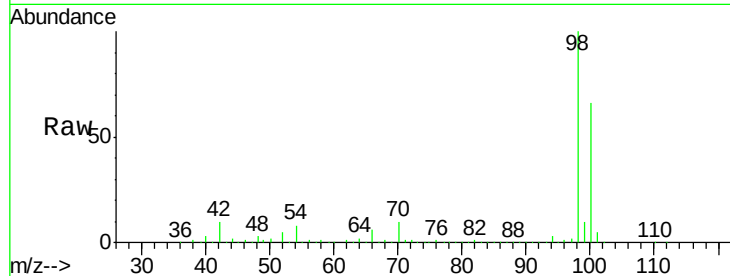




#50
Toluene-d8
Concen: 45.64 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001855.D
Acq: 19 May 2018 05:07

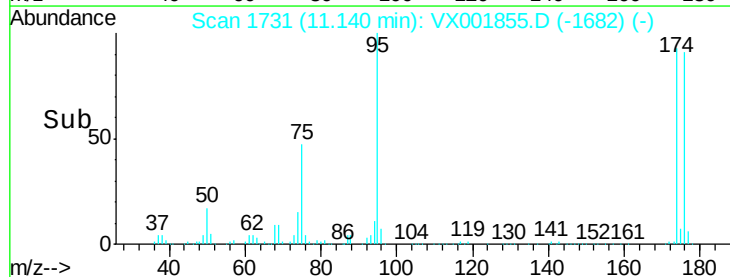
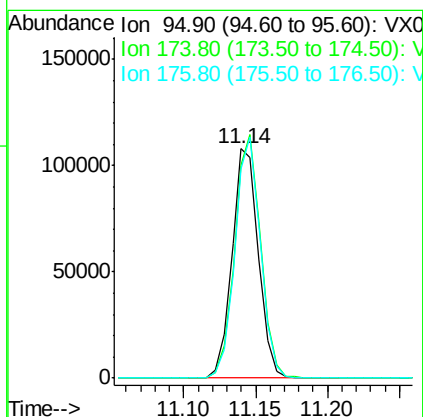
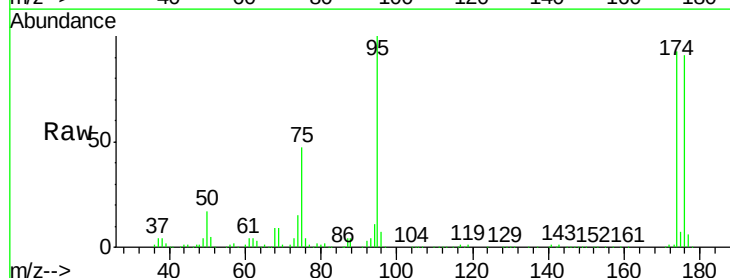
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#06

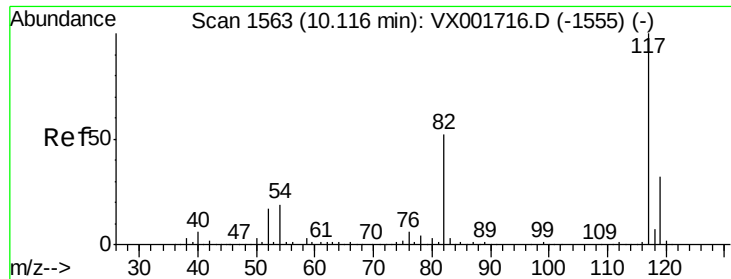
Tgt Ion: 98 Resp: 517497
Ion Ratio Lower Upper
98 100
100 66.9 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 33.94 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001855.D
Acq: 19 May 2018 05:07

Tgt Ion: 95 Resp: 138556
Ion Ratio Lower Upper
95 100
174 103.6 0.0 201.8
176 100.9 0.0 196.8

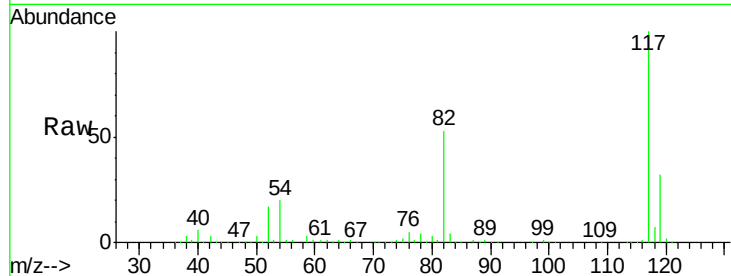




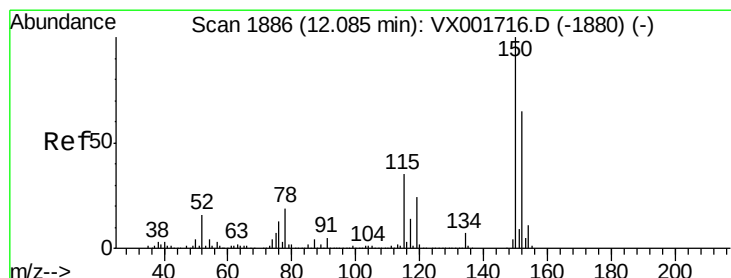
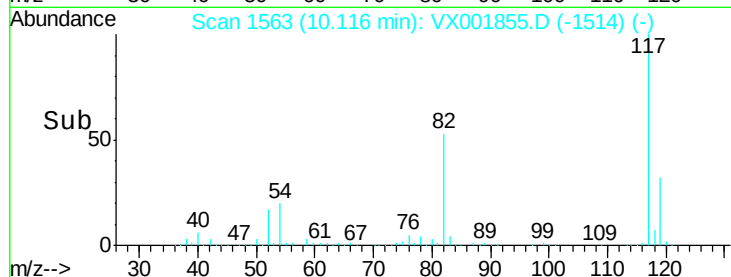
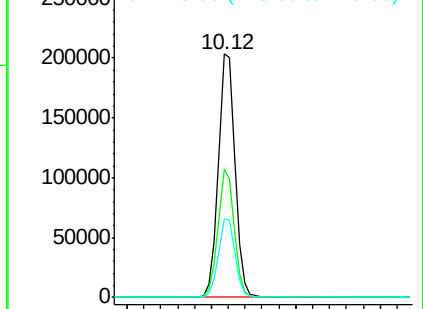
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001855.D
Acq: 19 May 2018 05:07

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#06

Tgt Ion:117 Resp: 281936
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.2
119 32.2 25.6 38.4

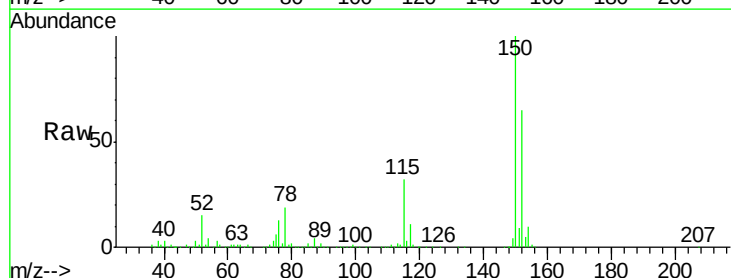


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

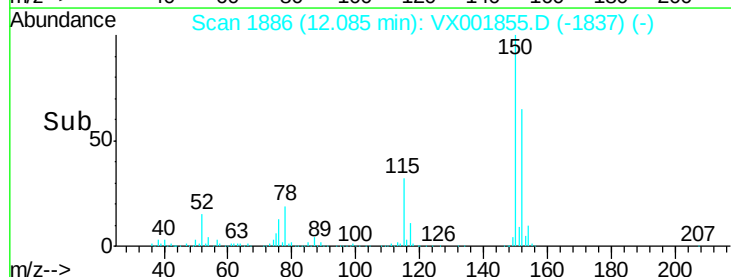
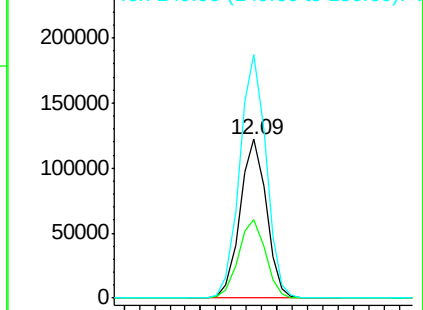


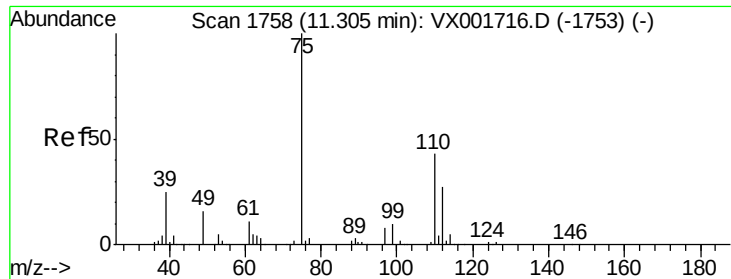
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001855.D
Acq: 19 May 2018 05:07

Tgt Ion:152 Resp: 145953
Ion Ratio Lower Upper
152 100
115 50.7 37.4 112.2
150 153.8 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

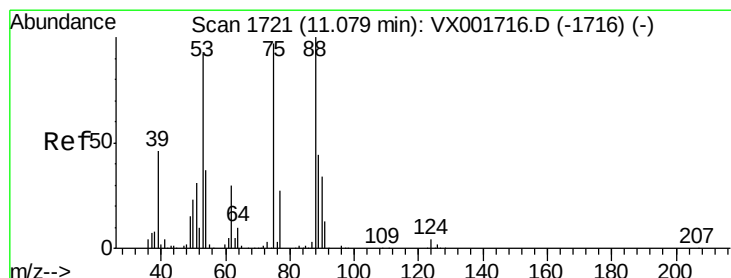
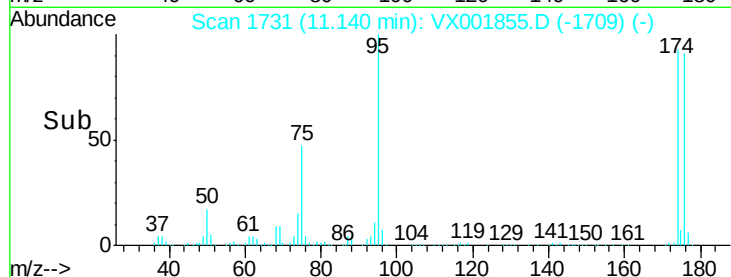
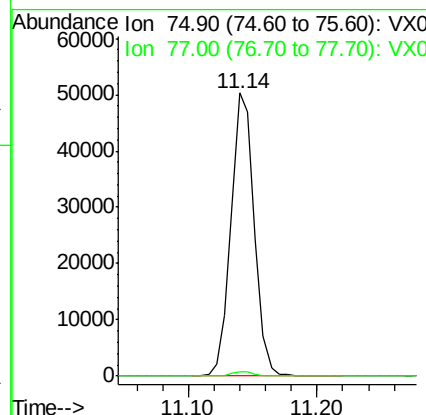
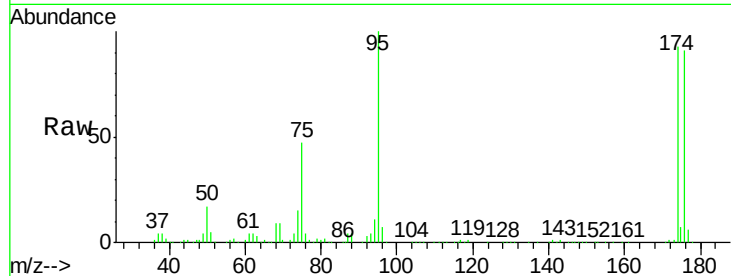




#76
 1,2,3-Trichloropropane
 Concen: 23.08 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001855.D
 Acq: 19 May 2018 05:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#06

Tgt Ion: 75 Resp: 64048
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.53 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001855.D
 Acq: 19 May 2018 05:07

Tgt Ion: 75 Resp: 64048
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.2#
 89 0.0 38.8 58.2#

