

Data File : VX001862.D

Acq On : 19 May 2018 08:14

Operator : JC/MD

Sample : PB109413ZHE#13

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#13

Quant Time: May 21 03:24:13 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	265111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	355683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	144479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154575	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
35) Dibromofluoromethane	5.51	113	139051	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
50) Toluene-d8	8.72	98	498191	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	11.14	95	134639	34.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.56%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	598	Below Cal	#	75
6) Chloroethane	1.68	64	2508	1.28	ug/l #	53
8) Diethyl Ether	2.19	74	1031	0.55	ug/l	91
11) Tert butyl alcohol	3.08	59	305	0.48	ug/l #	78
16) Acetone	2.45	43	7777	5.57	ug/l	97
18) Methyl Acetate	2.78	43	28633	7.02	ug/l	100
20) Methylene Chloride	2.86	84	7056	2.36	ug/l	91
25) 2-Butanone	4.72	43	3184	1.49	ug/l	97
29) Tetrahydrofuran	5.18	42	780	0.56	ug/l #	78
31) Cyclohexane	5.67	56	3923	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14966	3.66	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21614	5.04	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	62857	22.88	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	62857	66.98	ug/l #	10

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

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Instrument :

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ClientSampleId :

PB109413ZHE#13

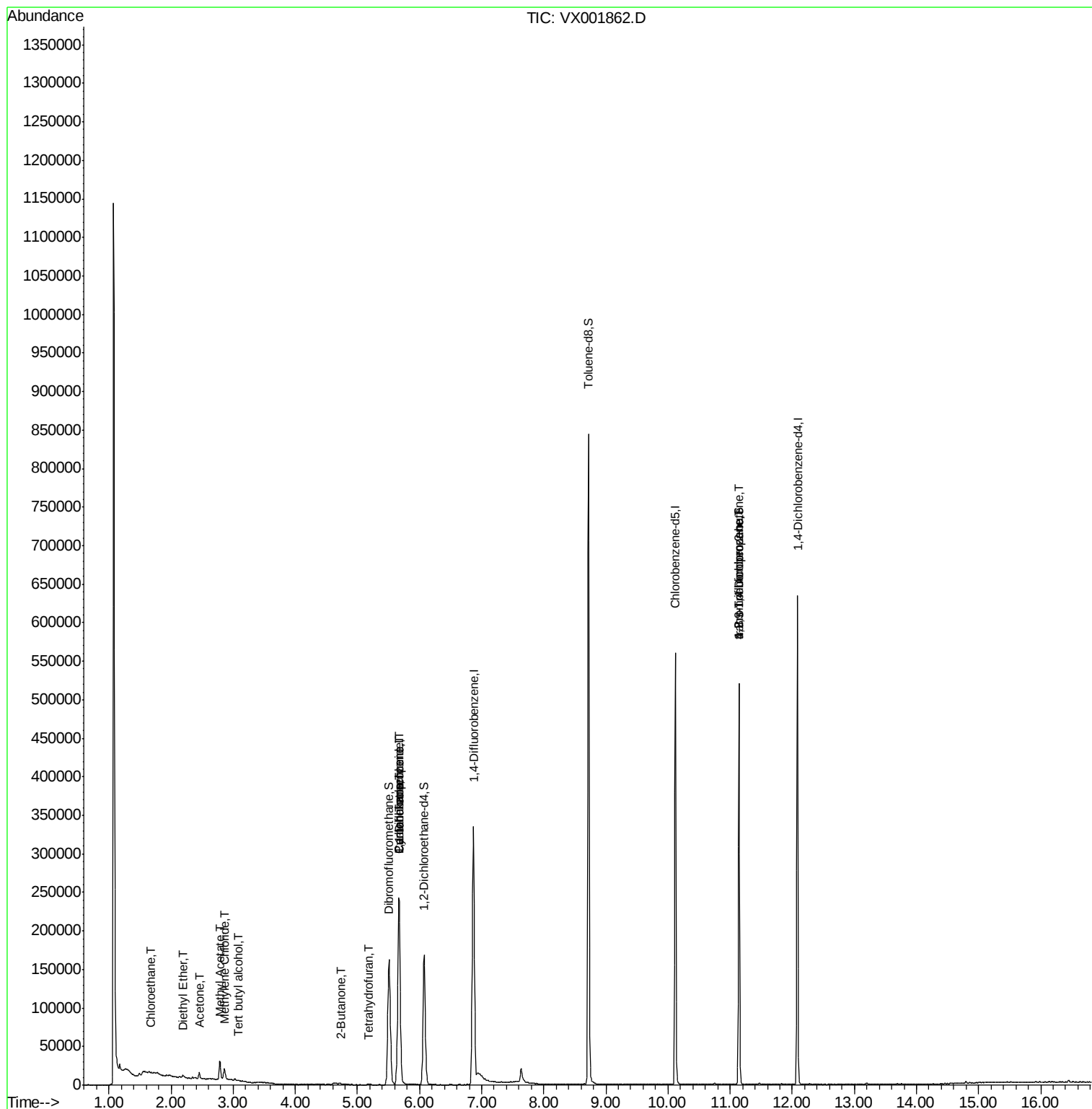
Quant Time: May 21 03:24:13 2018

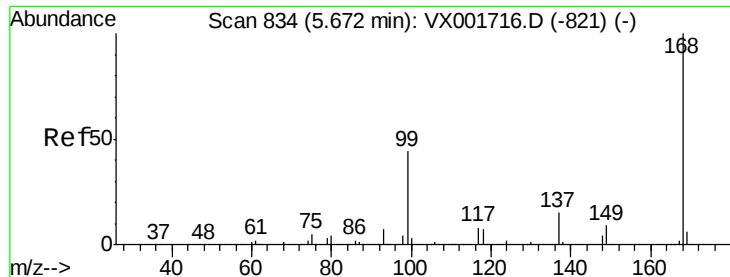
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

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# 833

Delta R.T. -0.01 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

Instrument :

MSVOA_X

ClientSampleId :

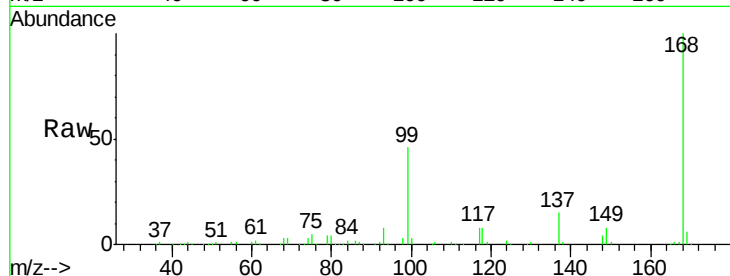
PB109413ZHE#13

Tgt Ion:168 Resp: 265111

Ion Ratio Lower Upper

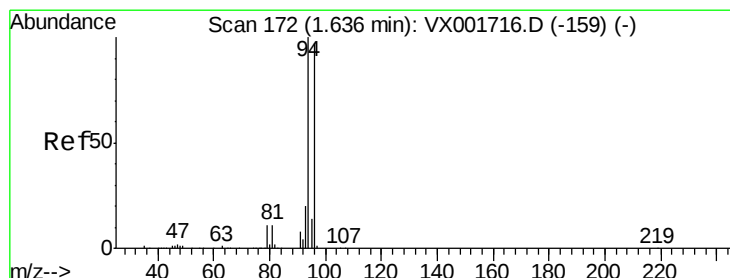
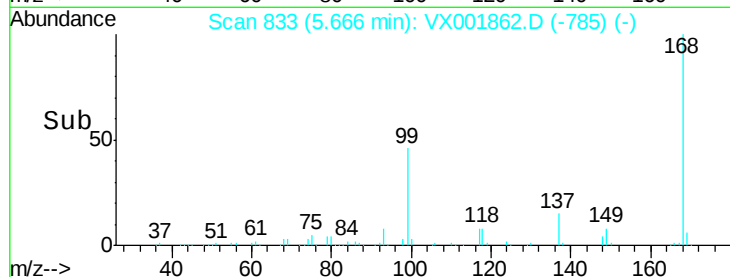
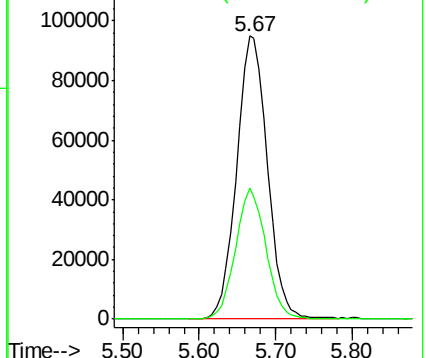
168 100

99 46.4 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: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001862.D

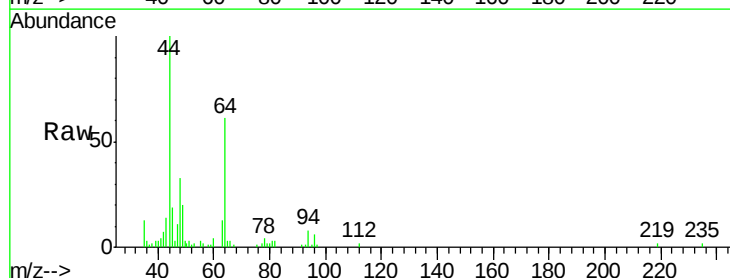
Acq: 19 May 2018 08:14

Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

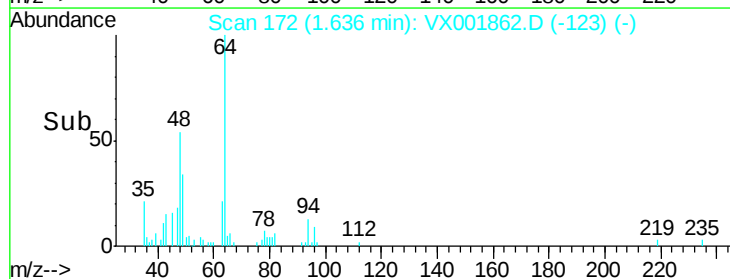
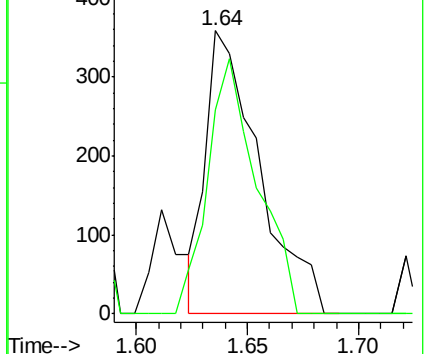
94 100

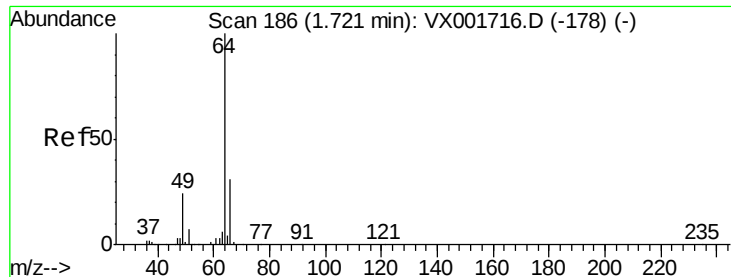
96 72.1 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.28 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

Instrument :

MSVOA_X

ClientSampleId :

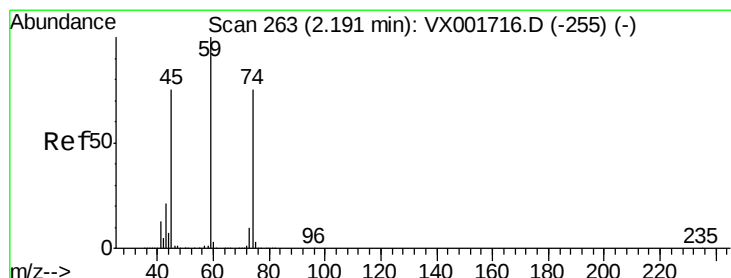
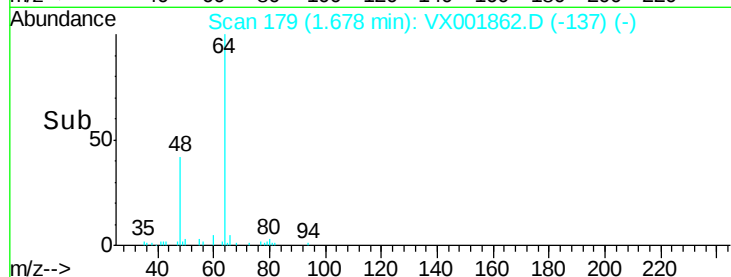
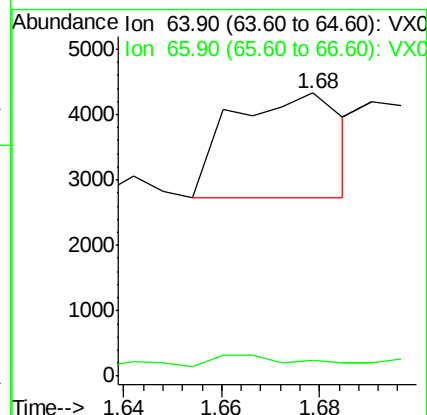
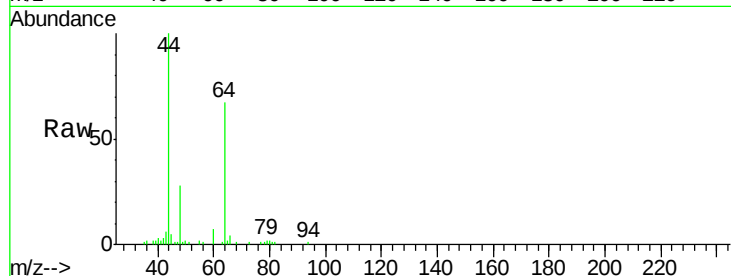
PB109413ZHE#13

Tgt Ion: 64 Resp: 2508

Ion Ratio Lower Upper

64 100

66 5.7 25.2 37.8#



#8

Diethyl Ether

Concen: 0.55 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001862.D

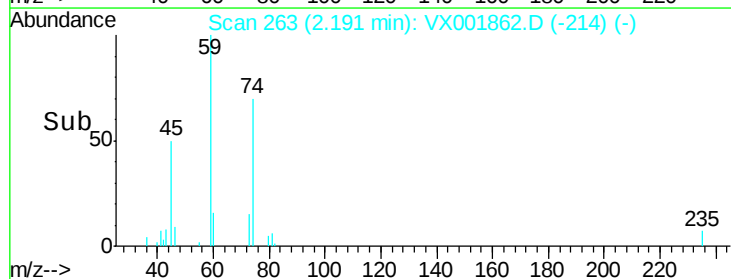
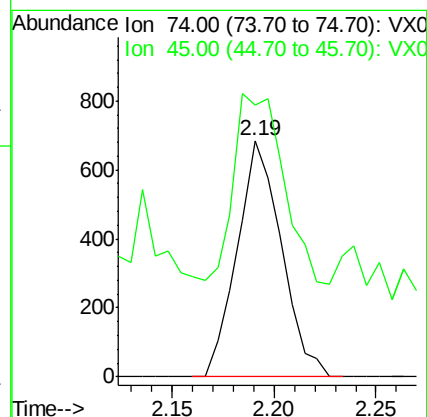
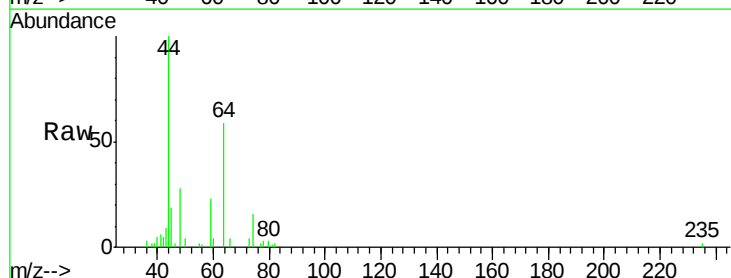
Acq: 19 May 2018 08:14

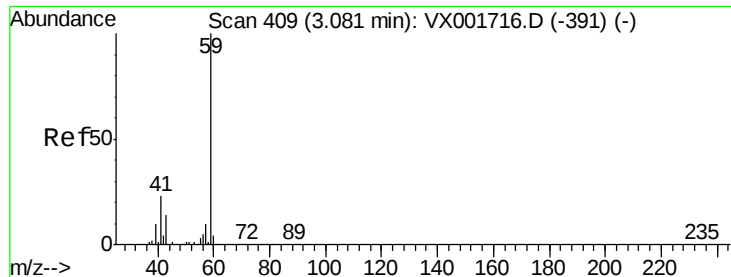
Tgt Ion: 74 Resp: 1031

Ion Ratio Lower Upper

74 100

45 91.0 50.0 149.8

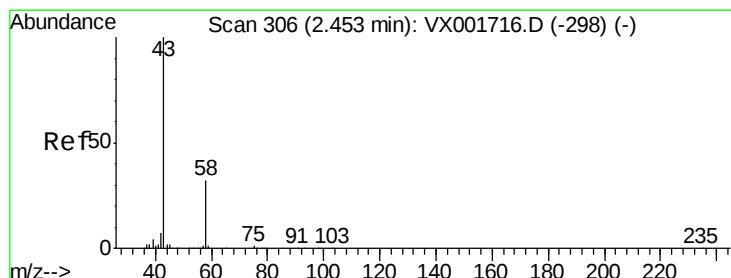
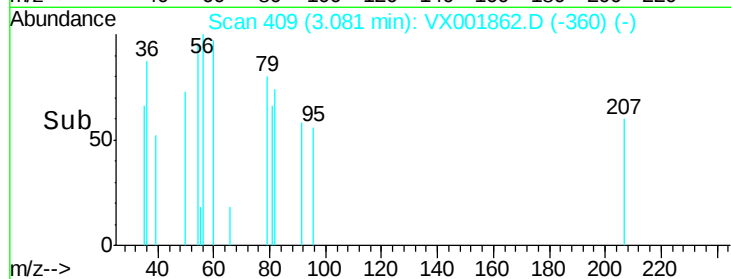
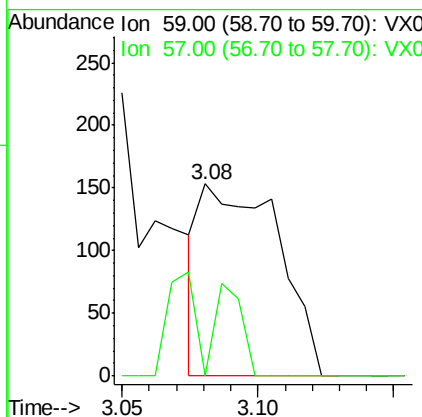
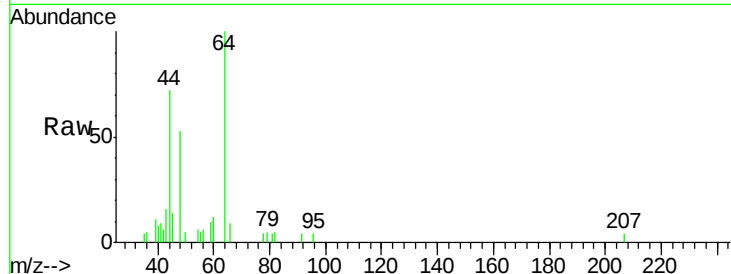




#11
Tert butyl alcohol
Concen: 0.48 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

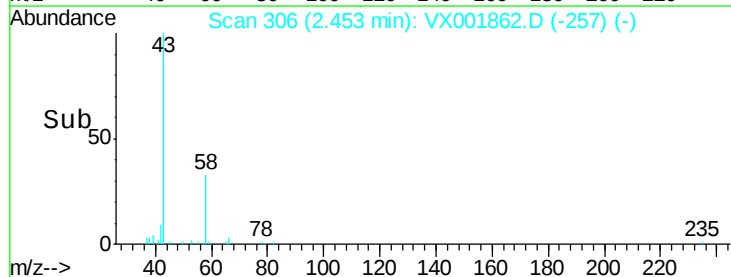
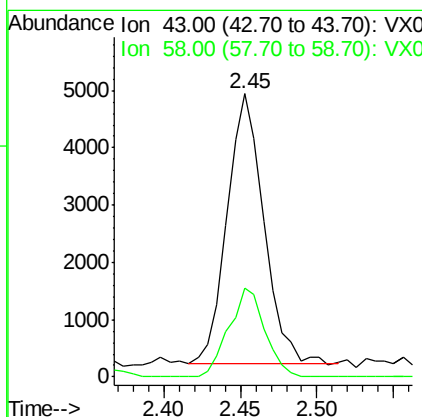
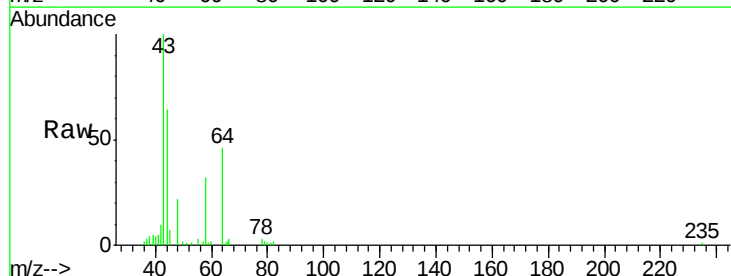
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#13

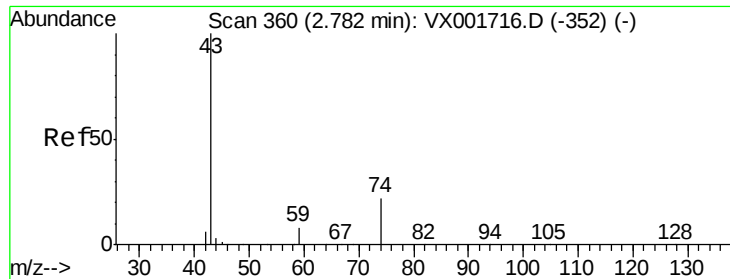
Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 19.0 8.5 12.7#



#16
Acetone
Concen: 5.57 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

Tgt Ion: 43 Resp: 7777
Ion Ratio Lower Upper
43 100
58 33.1 25.3 37.9

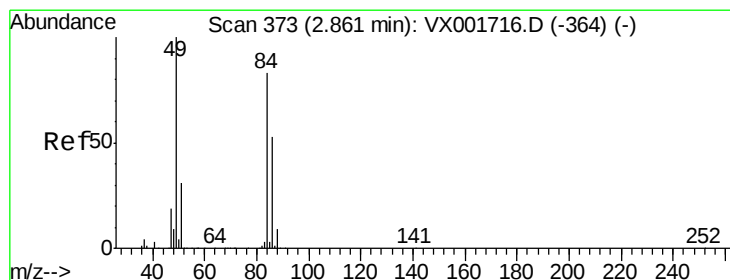
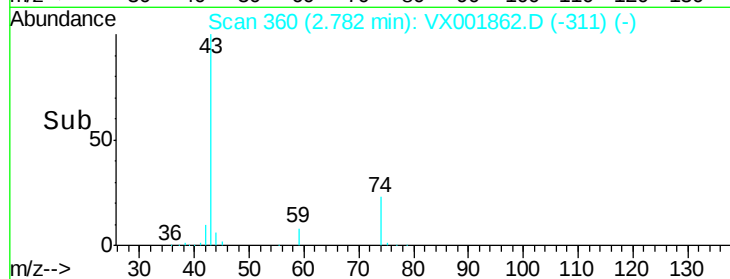
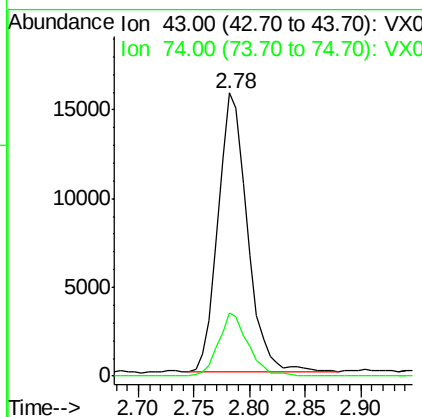
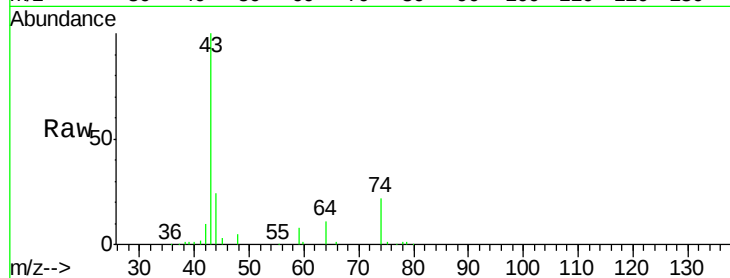




#18
Methyl Acetate
Concen: 7.02 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

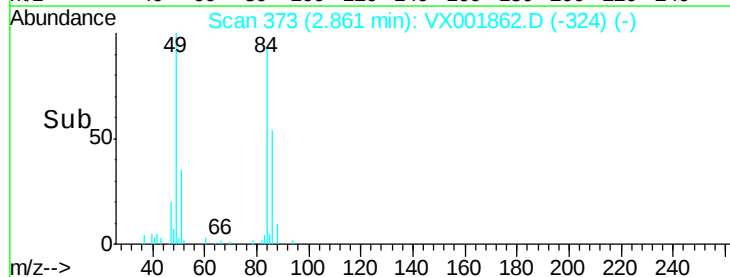
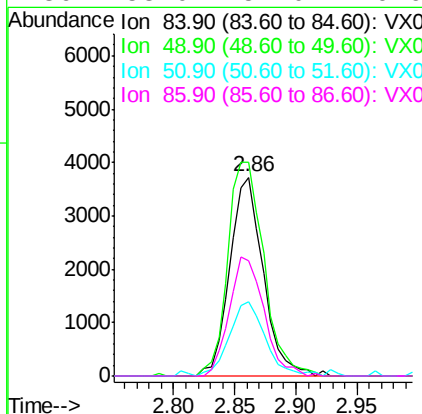
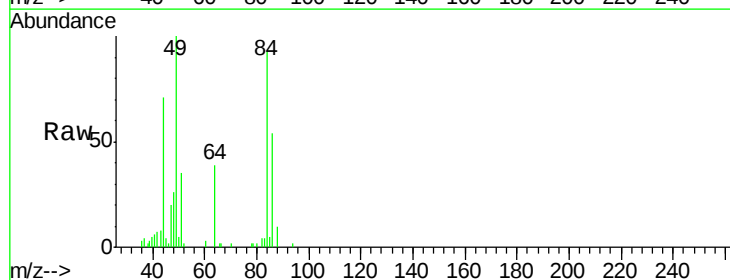
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#13

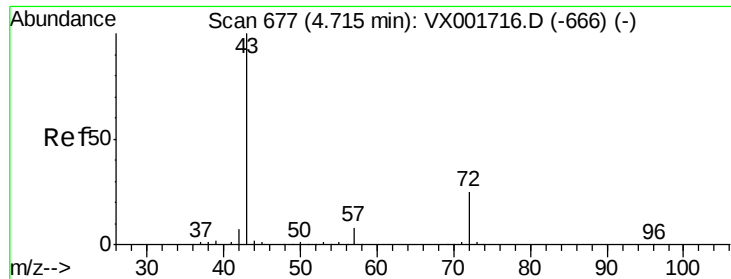
Tgt Ion: 43 Resp: 28633
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.2



#20
Methylene Chloride
Concen: 2.36 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

Tgt Ion: 84 Resp: 7056
Ion Ratio Lower Upper
84 100
49 107.2 96.3 144.5
51 36.0 29.8 44.6
86 58.0 51.0 76.6





#25

2-Butanone

Concen: 1.49 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

Instrument :

MSVOA_X

ClientSampleId :

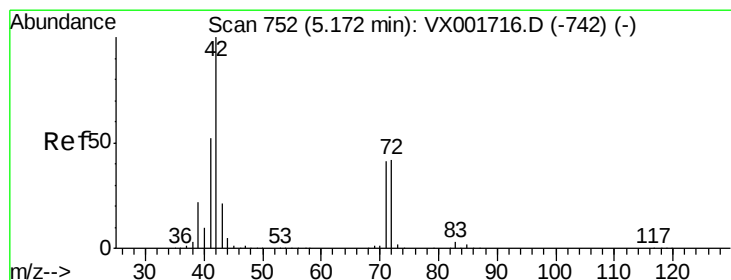
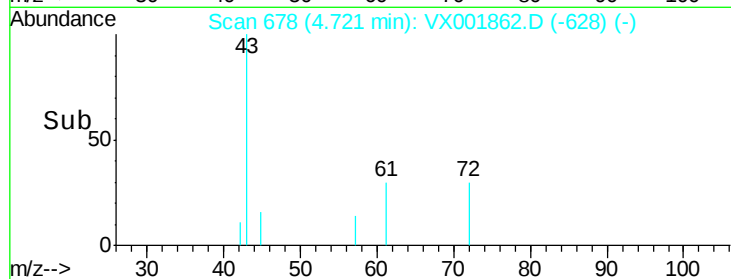
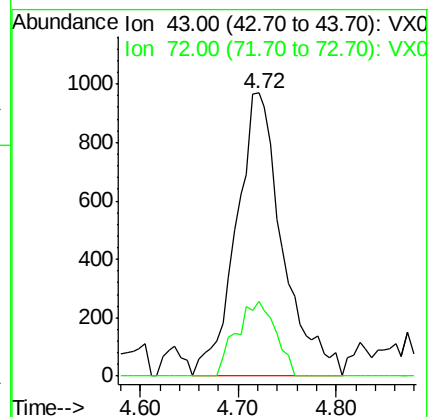
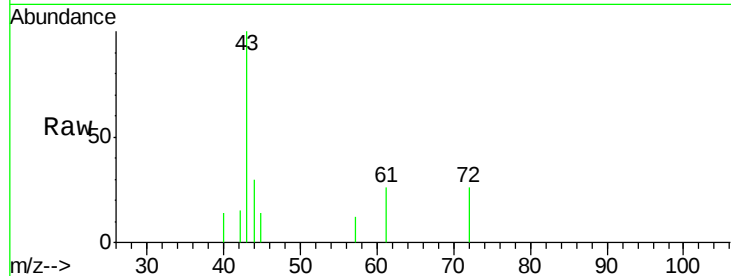
PB109413ZHE#13

Tgt Ion: 43 Resp: 3184

Ion Ratio Lower Upper

43 100

72 26.4 19.8 29.6



#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

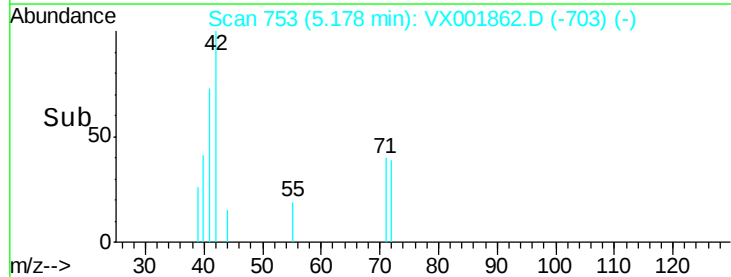
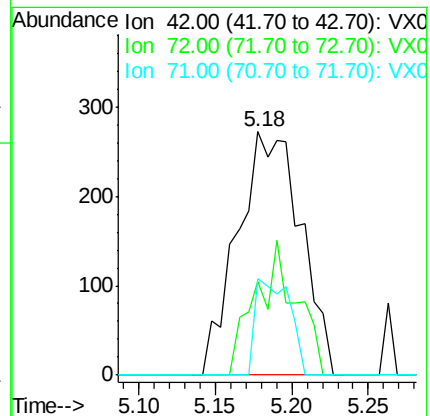
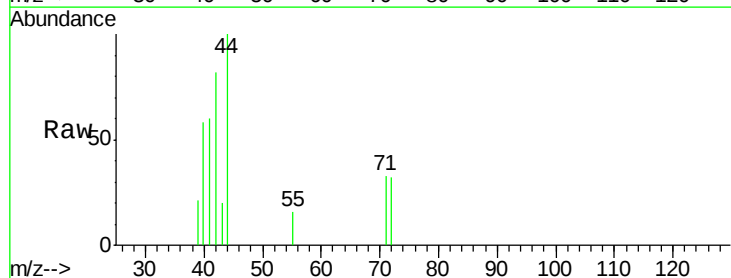
Tgt Ion: 42 Resp: 780

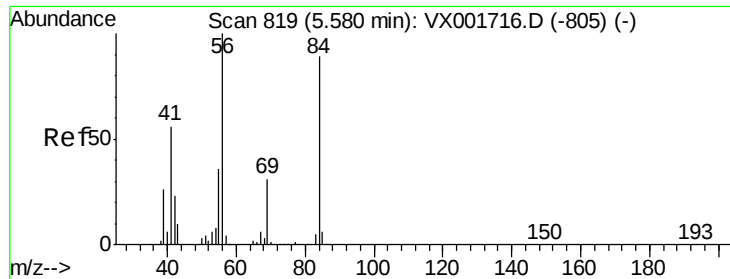
Ion Ratio Lower Upper

42 100

72 36.0 35.4 53.2

71 21.5 33.2 49.8#

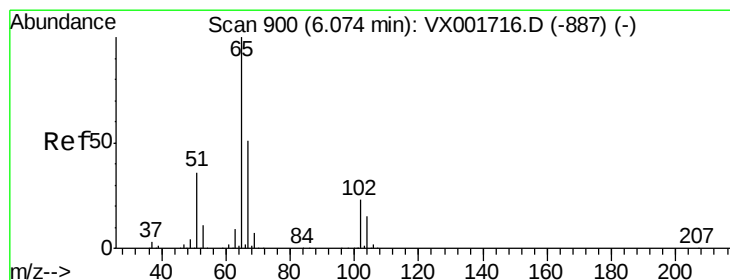
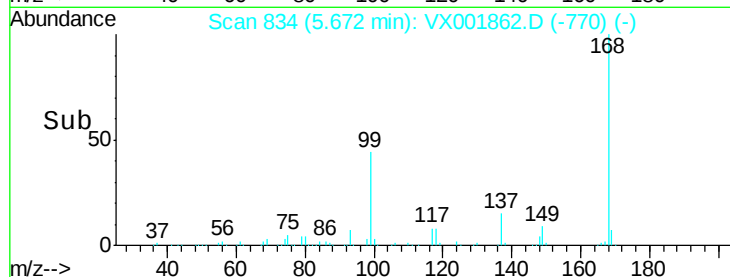
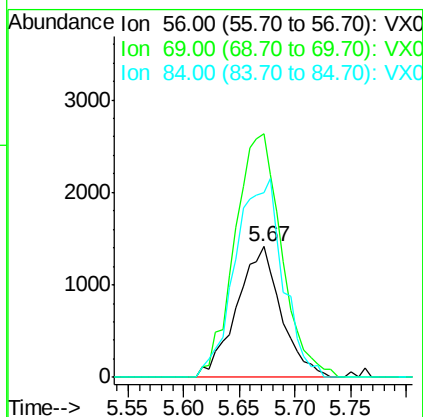
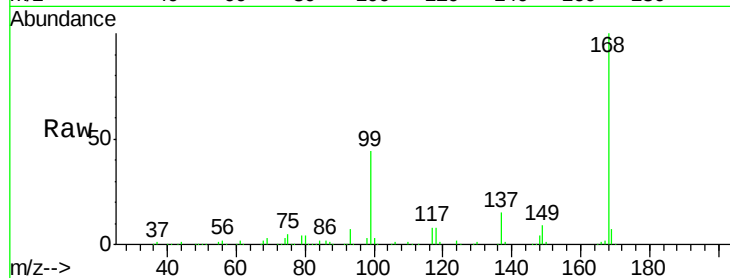




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

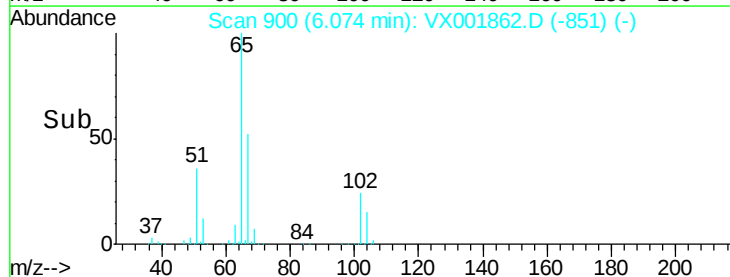
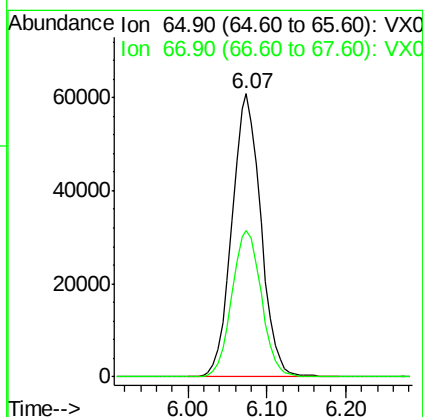
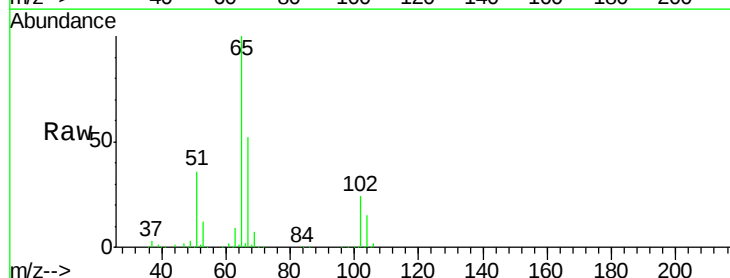
Instrument :
MSVOA_X
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PB109413ZHE#13

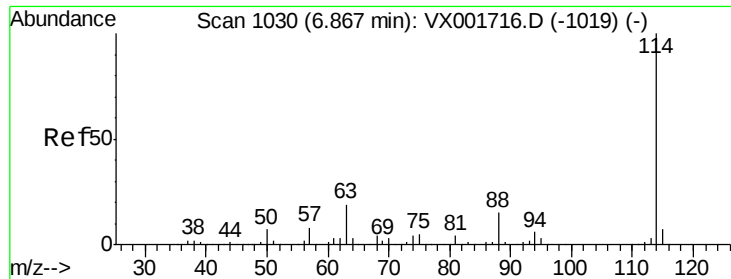
Tgt Ion: 56 Resp: 3923
Ion Ratio Lower Upper
56 100
69 186.6 25.0 37.6#
84 141.7 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 43.50 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

Tgt Ion: 65 Resp: 154575
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8

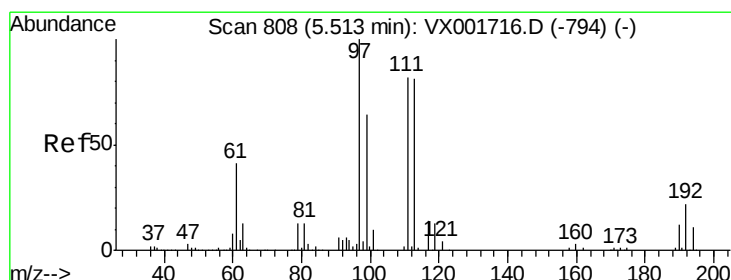
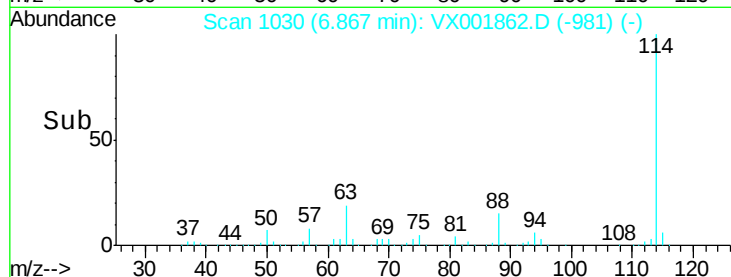
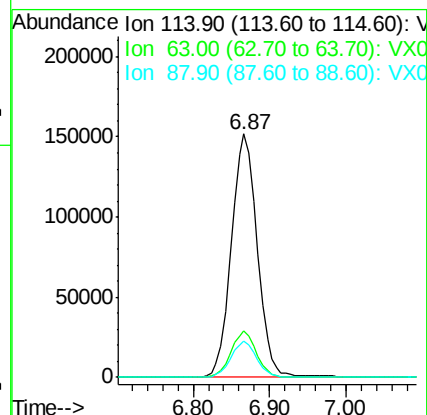
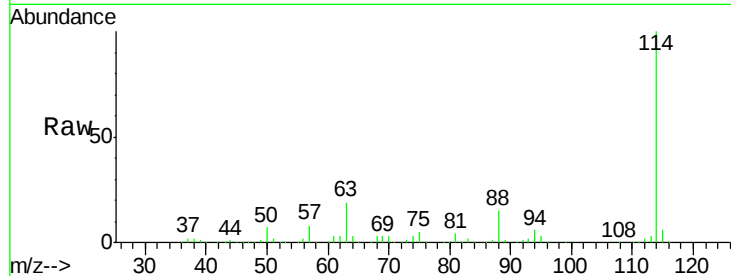




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001862.D
 Acq: 19 May 2018 08:14

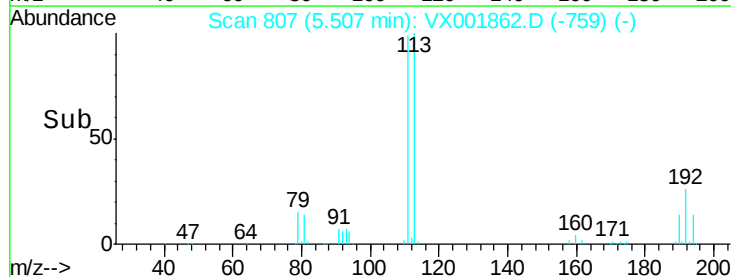
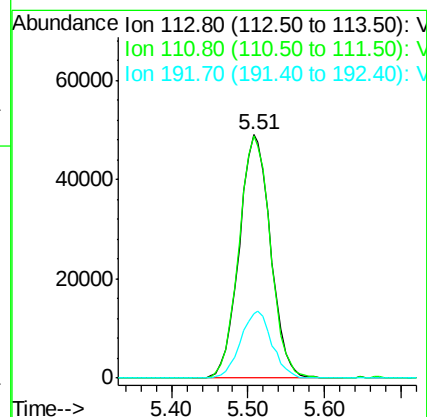
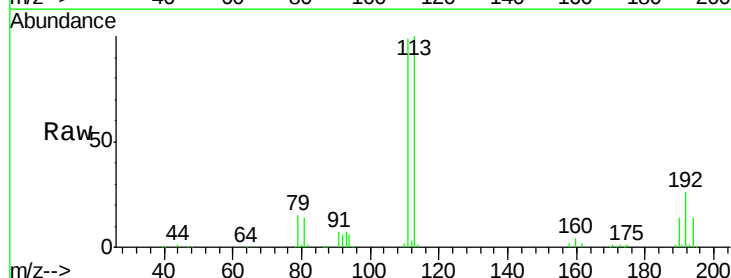
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#13

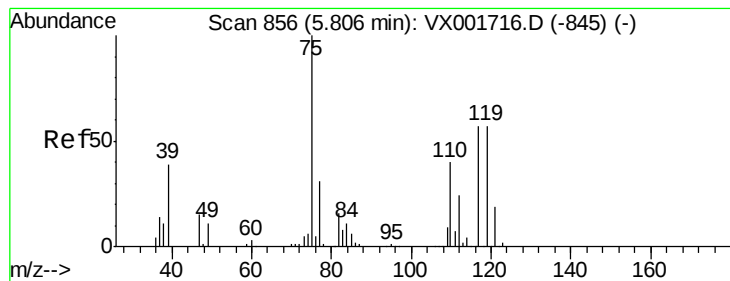
Tgt Ion:114 Resp: 355683
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.0
 88 14.9 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 46.33 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001862.D
 Acq: 19 May 2018 08:14

Tgt Ion:113 Resp: 139051
 Ion Ratio Lower Upper
 113 100
 111 99.9 82.0 123.0
 192 27.4 21.6 32.4





#36

1,1-Dichloropropene

Concen: 3.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#13

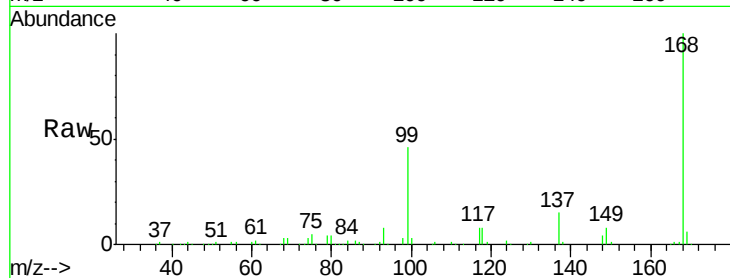
Tgt Ion: 75 Resp: 14966

Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.1#

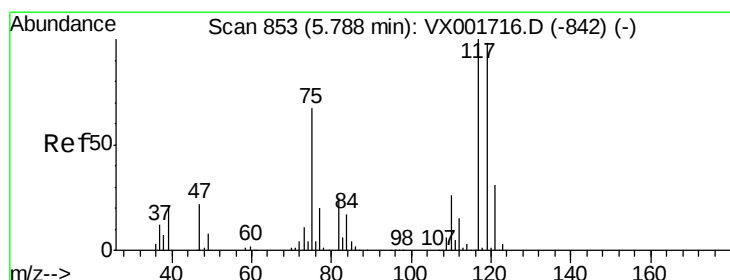
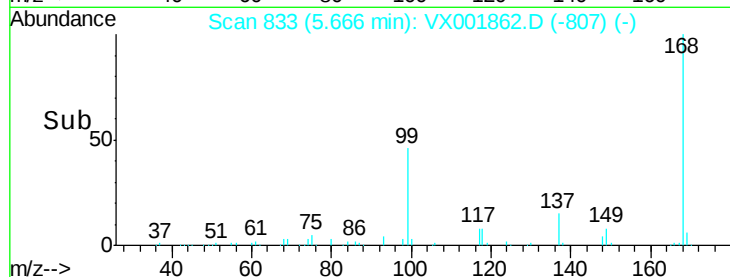
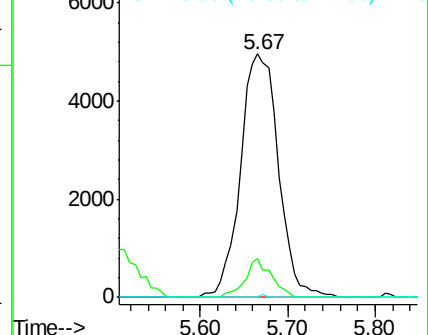
77 0.1 24.6 37.0#



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: 5.04 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

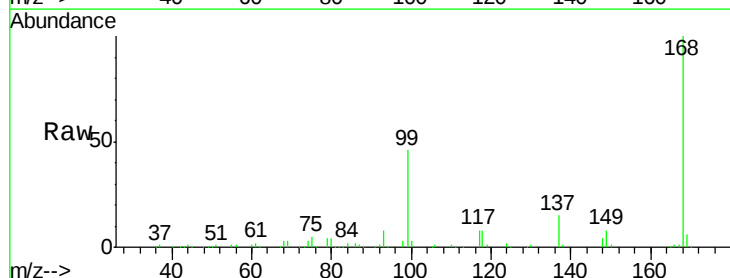
Tgt Ion: 117 Resp: 21614

Ion Ratio Lower Upper

117 100

119 6.7 77.6 116.4#

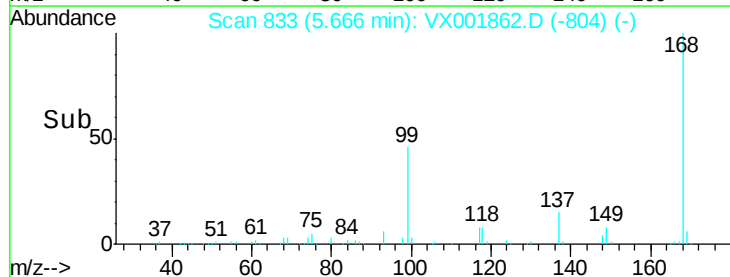
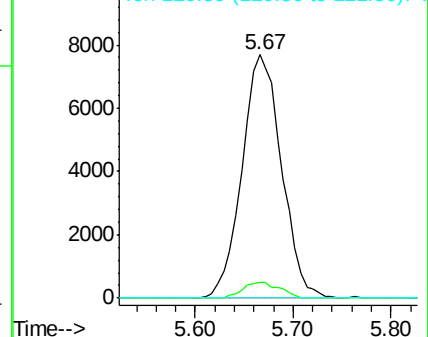
121 0.0 24.6 36.8#

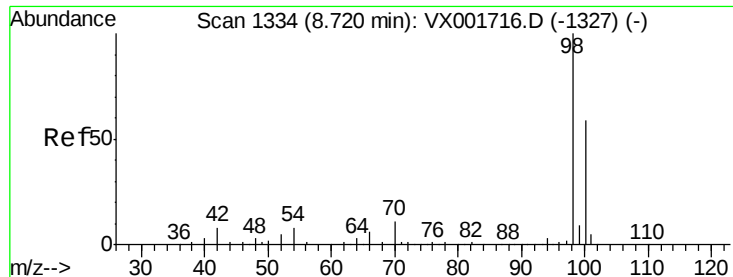


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.34 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

Instrument :

MSVOA_X

ClientSampleId :

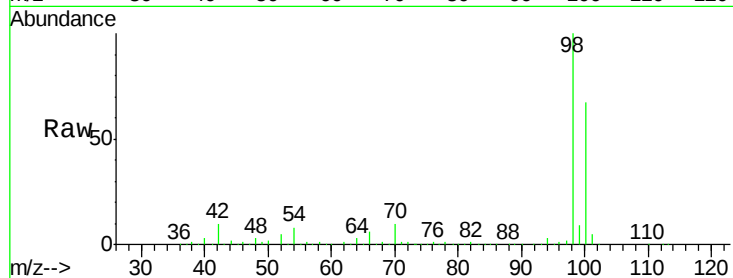
PB109413ZHE#13

Tgt Ion: 98 Resp: 498191

Ion Ratio Lower Upper

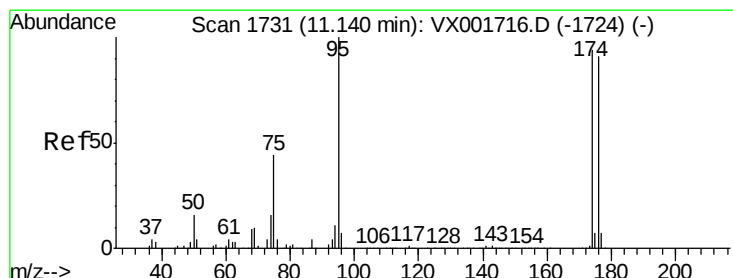
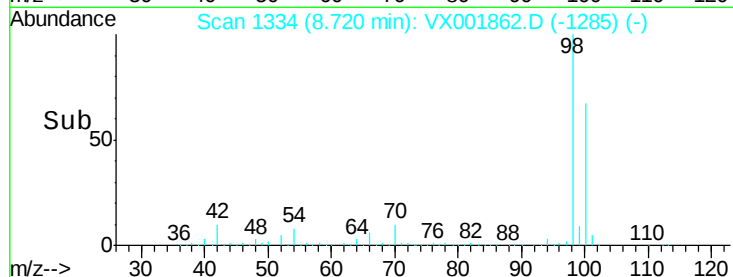
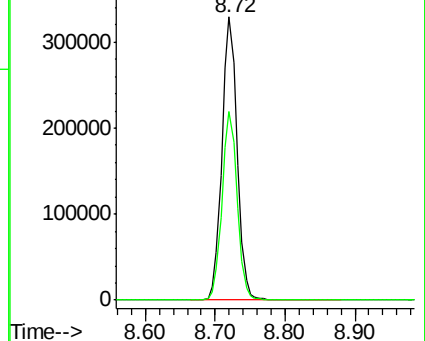
98 100

100 66.0 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: 34.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001862.D

Acq: 19 May 2018 08:14

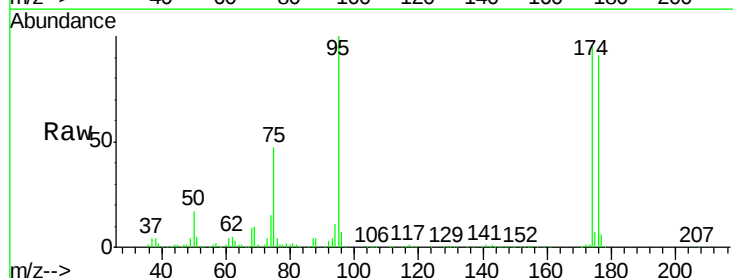
Tgt Ion: 95 Resp: 134639

Ion Ratio Lower Upper

95 100

174 103.9 0.0 201.8

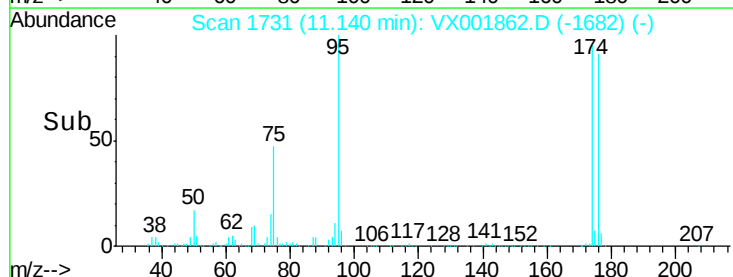
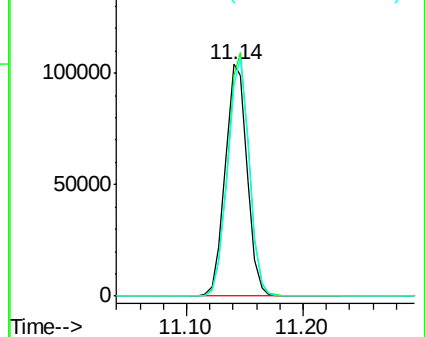
176 101.0 0.0 196.8

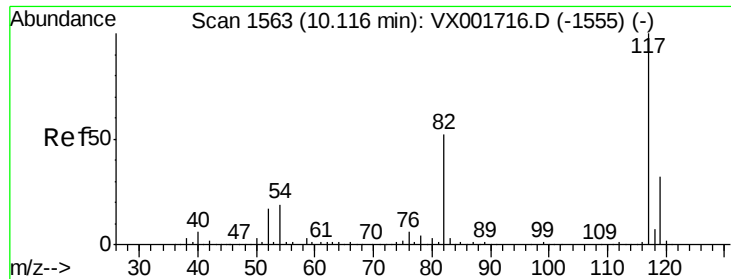


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

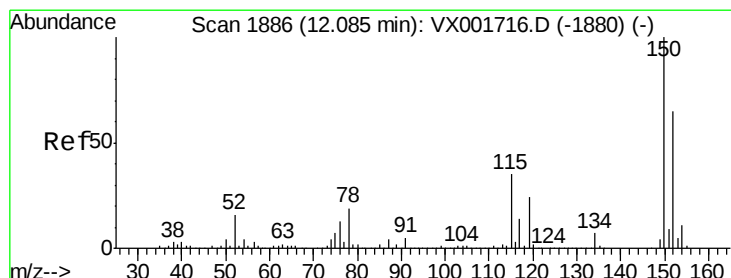
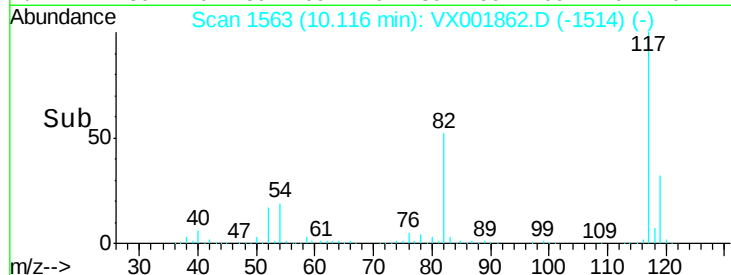
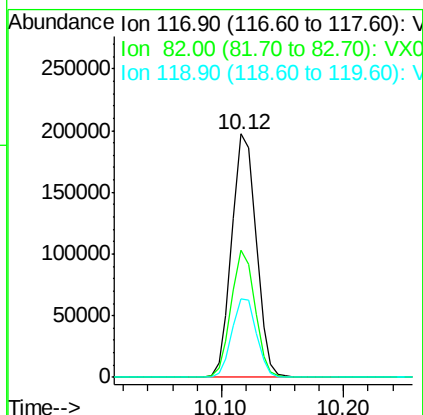
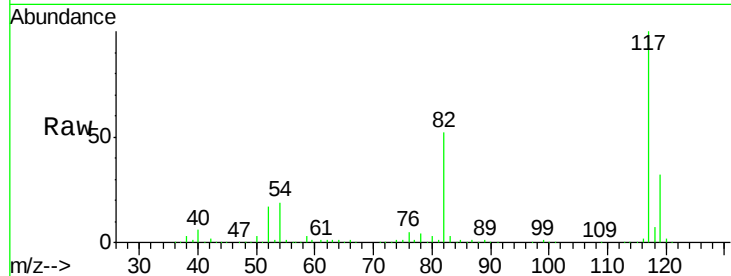




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

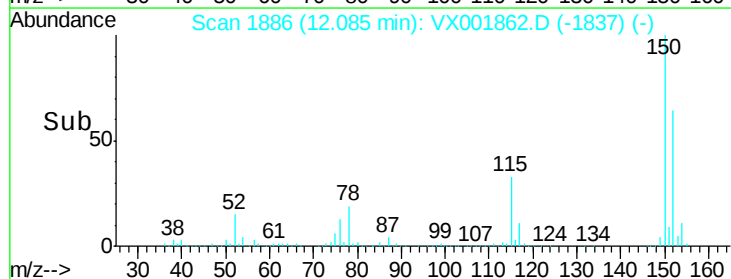
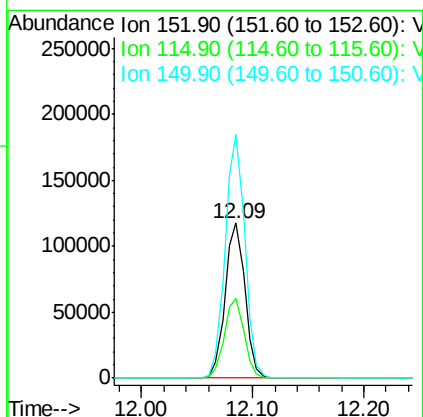
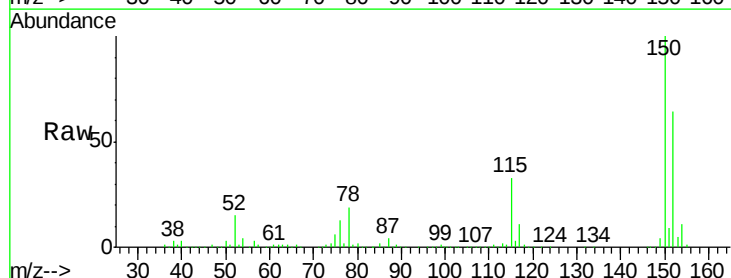
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#13

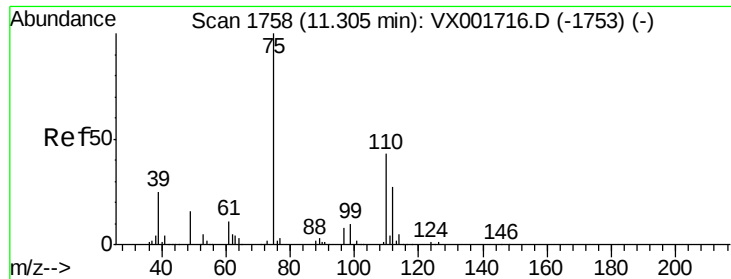
Tgt Ion:117 Resp: 272584
Ion Ratio Lower Upper
117 100
82 52.4 41.4 62.2
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001862.D
Acq: 19 May 2018 08:14

Tgt Ion:152 Resp: 144479
Ion Ratio Lower Upper
152 100
115 51.6 37.4 112.2
150 156.0 0.0 344.8

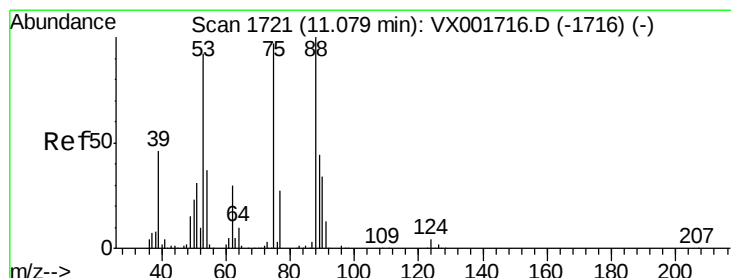
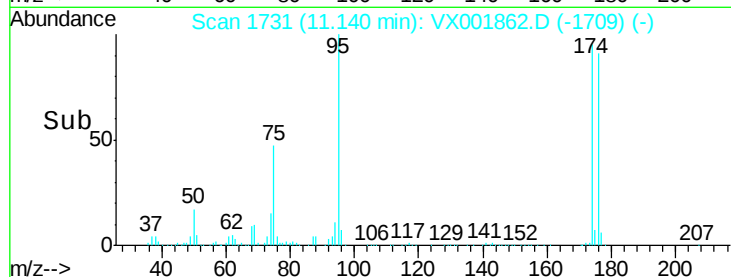
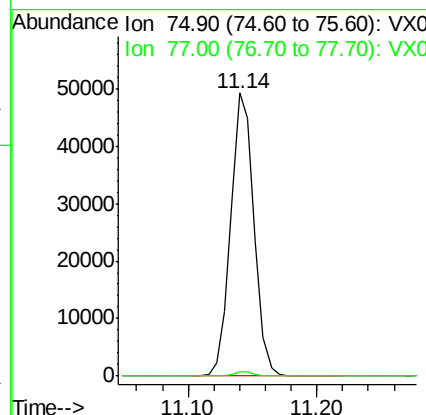
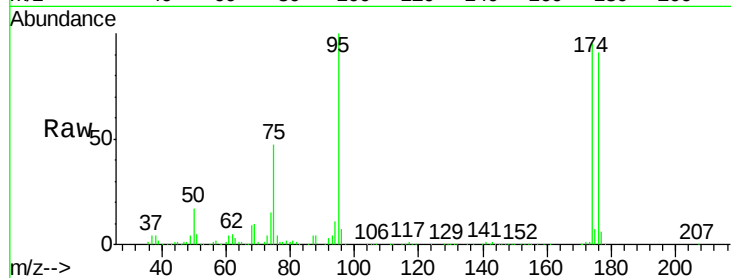




#76
 1,2,3-Trichloropropane
 Concen: 22.88 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001862.D
 Acq: 19 May 2018 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#13

Tgt Ion: 75 Resp: 62857
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.98 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001862.D
 Acq: 19 May 2018 08:14

Tgt Ion: 75 Resp: 62857
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

