

Data File : VX001687.D

Acq On : 13 May 2018 00:41

Operator : JC/MD

Sample : PB109200ZHE#03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#03

Quant Time: May 14 06:09:09 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176539	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	5.51	113	142497	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
50) Toluene-d8	8.72	98	512763	43.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.32%	
62) 4-Bromofluorobenzene	11.14	95	163526	35.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.70%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	1043	Below Cal		95
10) Methyl Iodide	2.52	142	1106	0.23 ug/l		90
13) Acrolein	2.31	56	45	Below Cal	#	1
16) Acetone	2.45	43	7097	3.98 ug/l		97
18) Methyl Acetate	2.78	43	23062	4.93 ug/l		100
20) Methylene Chloride	2.86	84	3695	1.05 ug/l		96
25) 2-Butanone	4.71	43	2107	0.82 ug/l	#	89
29) Tetrahydrofuran	5.18	42	521	0.32 ug/l	#	91
31) Cyclohexane	5.67	56	4663	0.92 ug/l	#	8
36) 1,1-Dichloropropene	5.67	75	16809	3.61 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22813	4.60 ug/l	#	16
54) cis-1,3-Dichloropropene	9.05	75	54	2.27 ug/l	#	60
76) 1,2,3-Trichloropropane	11.14	75	80550	22.68 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	80550	70.39 ug/l	#	7

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

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PB109200ZHE#03

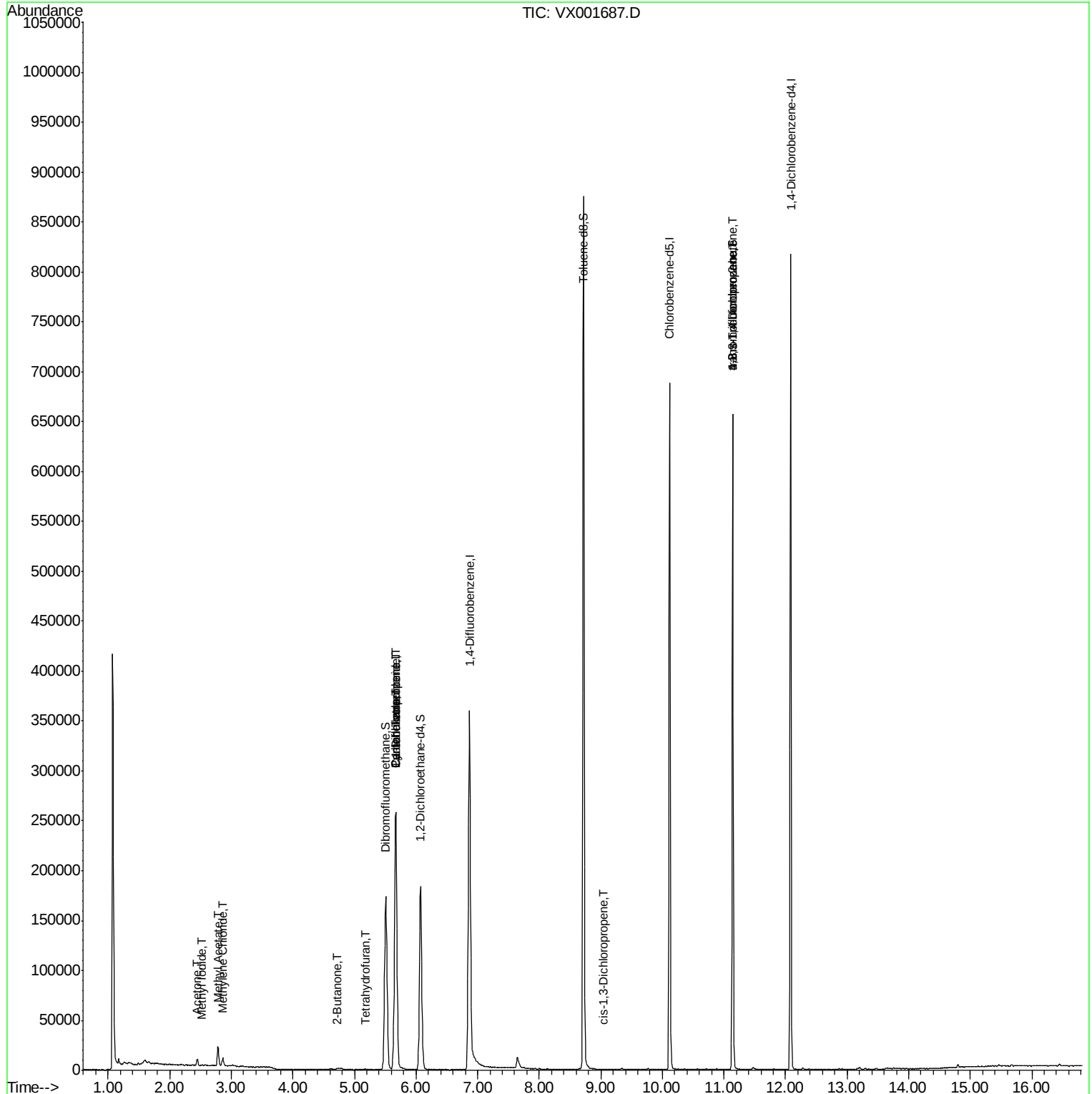
Quant Time: May 14 06:09:09 2018

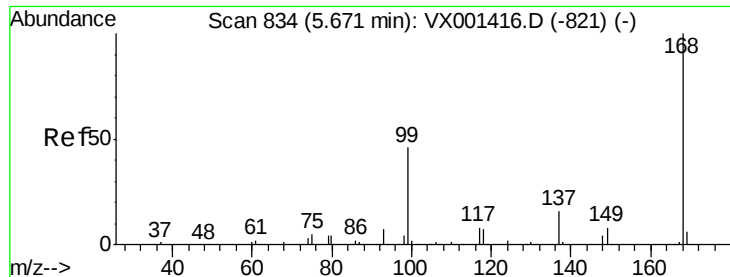
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 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: VX001687.D

Acq: 13 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

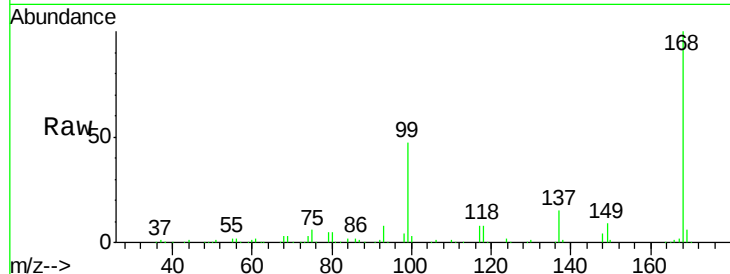
PB109200ZHE#03

Tgt Ion:168 Resp: 272890

Ion Ratio Lower Upper

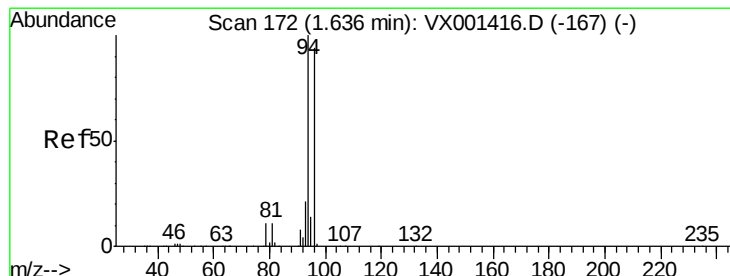
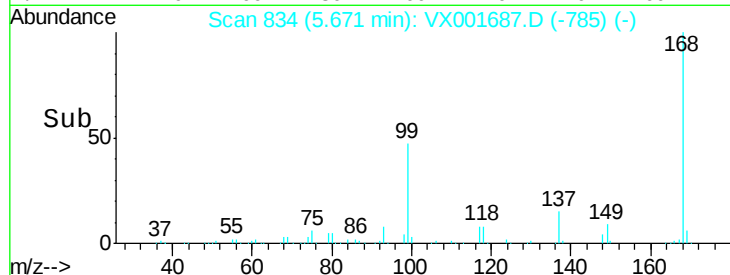
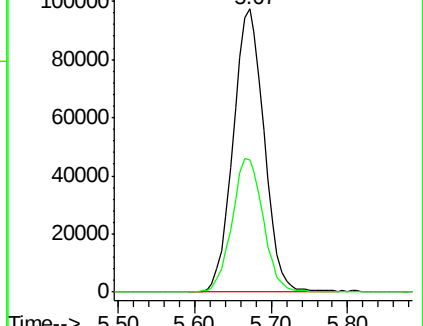
168 100

99 46.8 36.6 54.8



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. 0.02 min

Lab File: VX001687.D

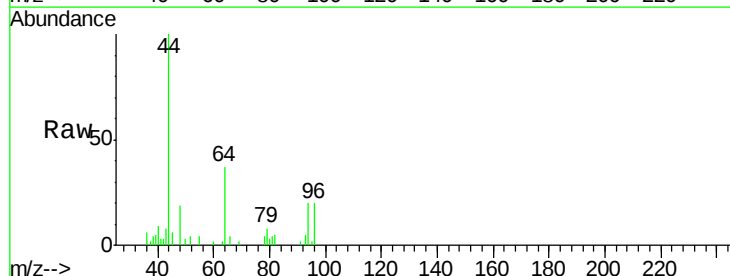
Acq: 13 May 2018 00:41

Tgt Ion: 94 Resp: 1043

Ion Ratio Lower Upper

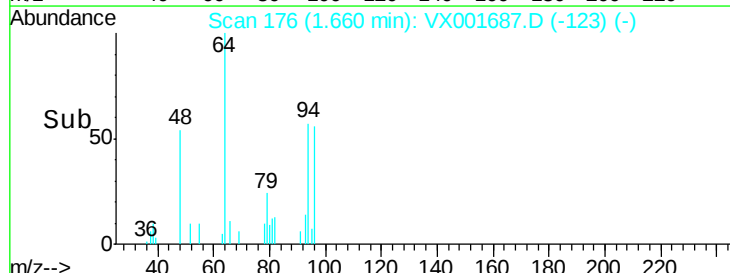
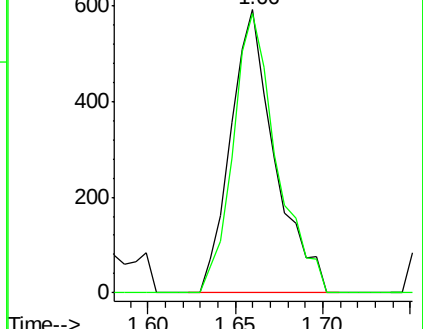
94 100

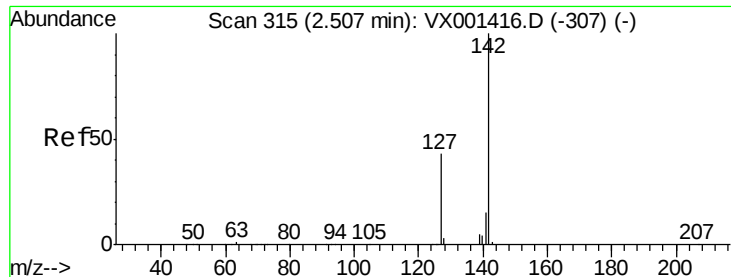
96 98.6 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

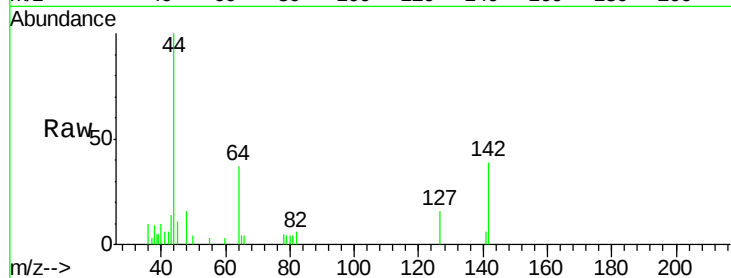




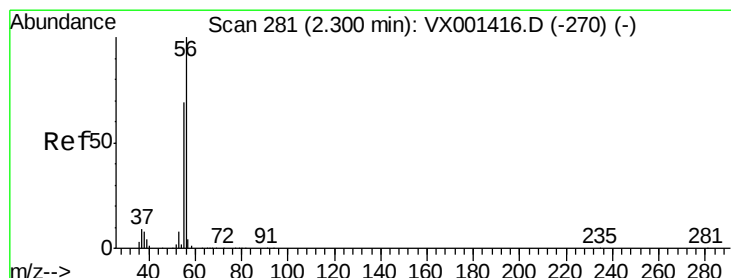
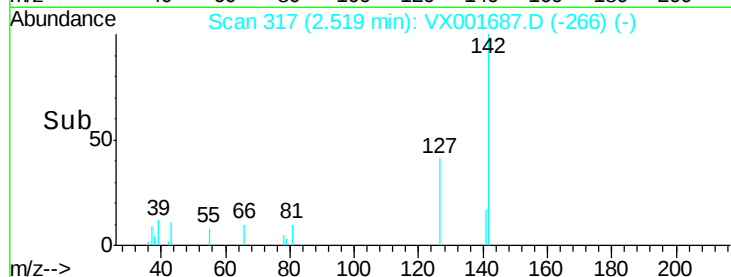
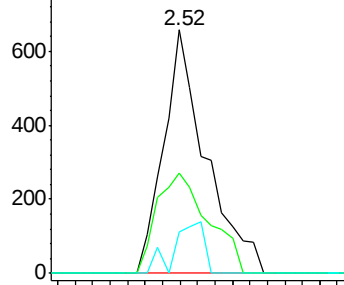
#10
Methyl Iodide
Concen: 0.23 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001687.D
Acq: 13 May 2018 00:41

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#03

Tgt Ion: 142 Resp: 1106
Ion Ratio Lower Upper
142 100
127 50.1 33.6 50.4
141 14.6 11.4 17.2

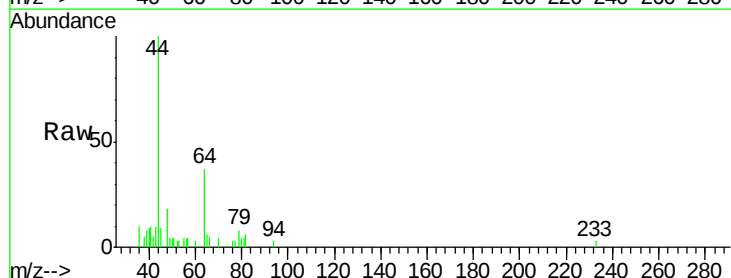


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

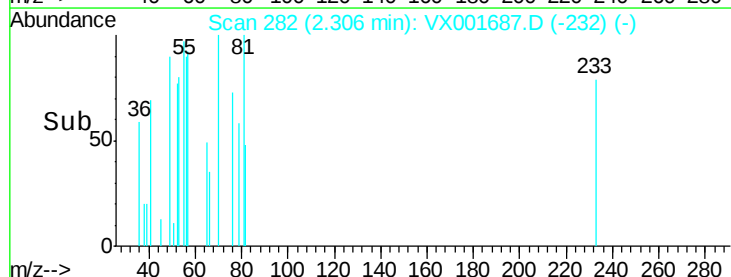
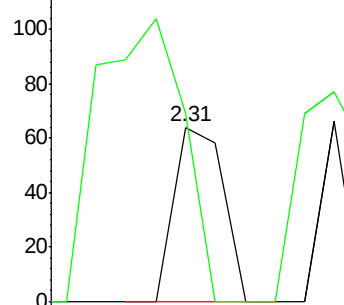


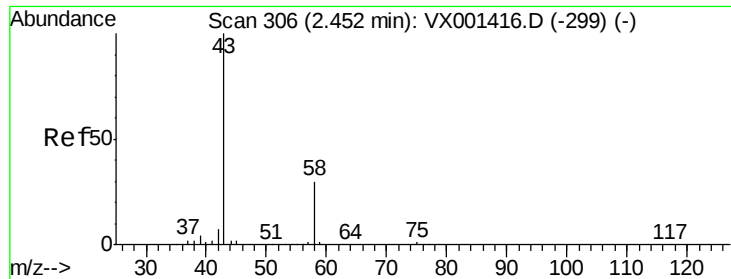
#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001687.D
Acq: 13 May 2018 00:41

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 284.4 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.98 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

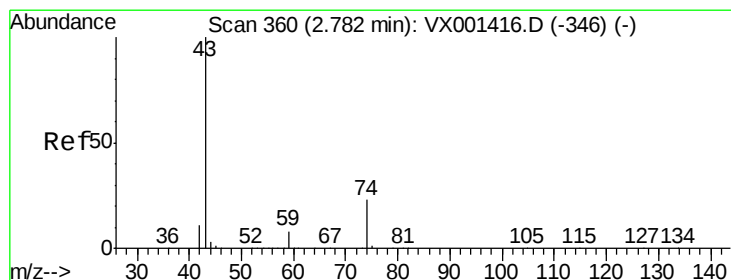
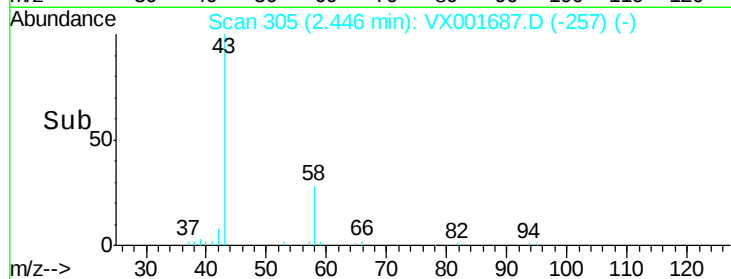
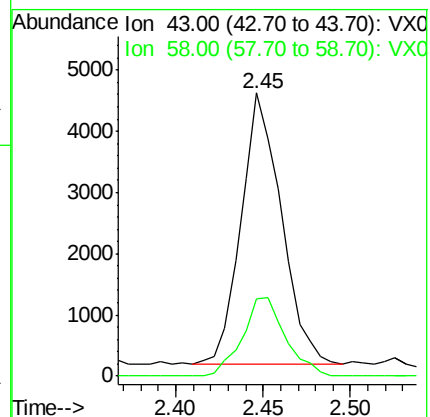
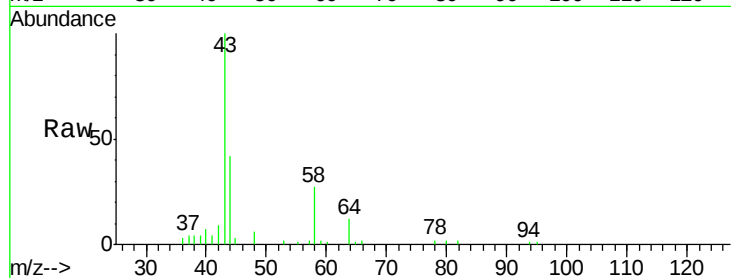
PB109200ZHE#03

Tgt Ion: 43 Resp: 7097

Ion Ratio Lower Upper

43 100

58 28.4 23.8 35.8



#18

Methyl Acetate

Concen: 4.93 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001687.D

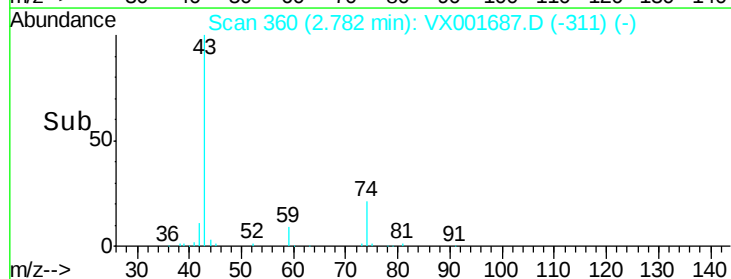
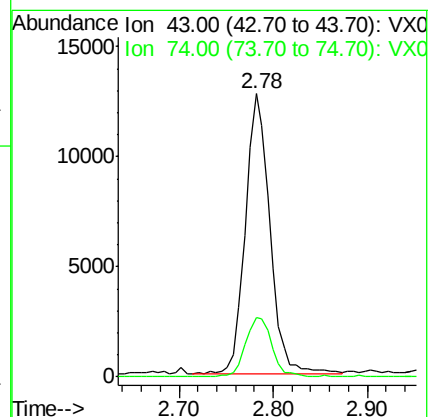
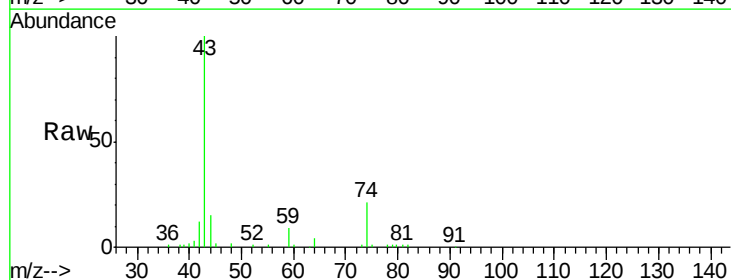
Acq: 13 May 2018 00:41

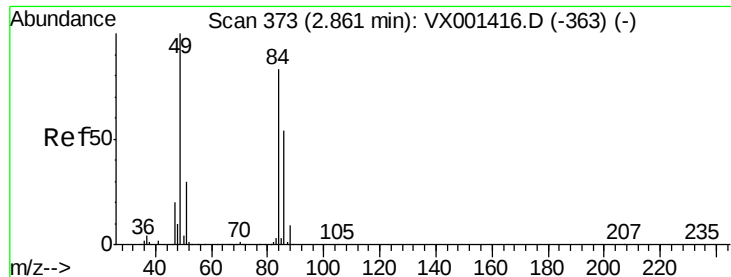
Tgt Ion: 43 Resp: 23062

Ion Ratio Lower Upper

43 100

74 23.0 18.6 27.8





#20

Methylene Chloride

Concen: 1.05 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#03

Tgt Ion: 84 Resp: 3695

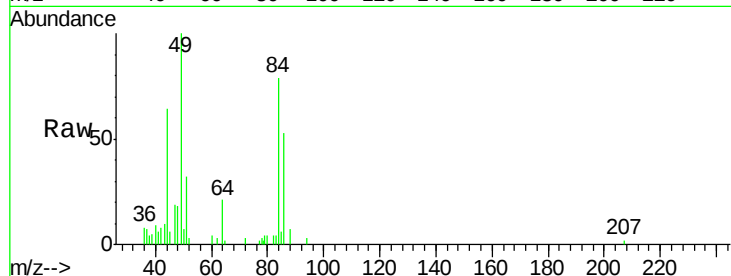
Ion Ratio Lower Upper

84 100

49 126.2 96.6 144.8

51 40.6 29.0 43.4

86 66.3 52.2 78.4

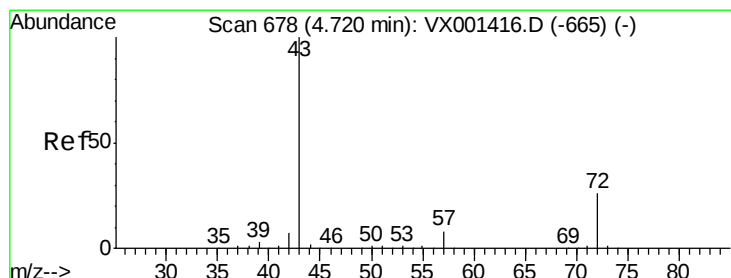
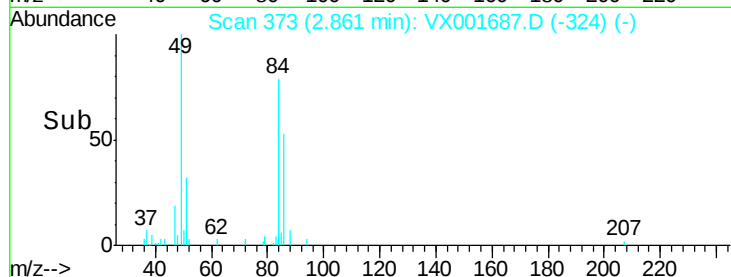
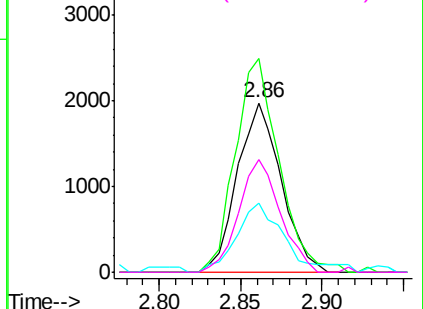


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.82 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001687.D

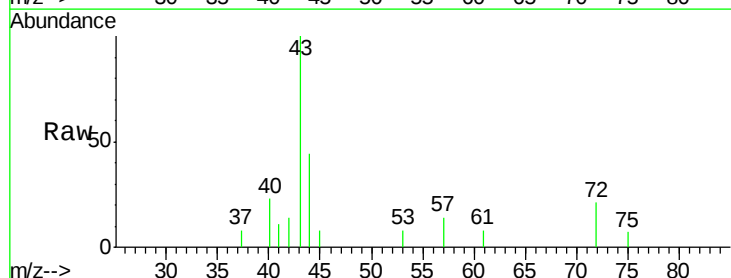
Acq: 13 May 2018 00:41

Tgt Ion: 43 Resp: 2107

Ion Ratio Lower Upper

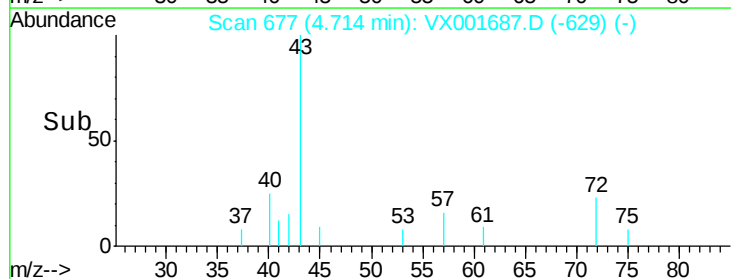
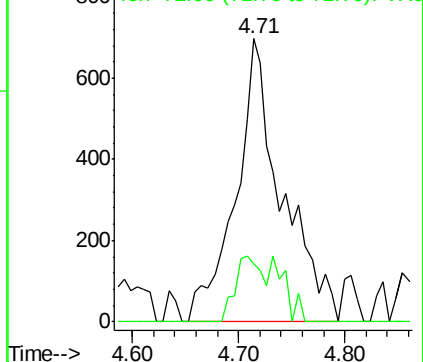
43 100

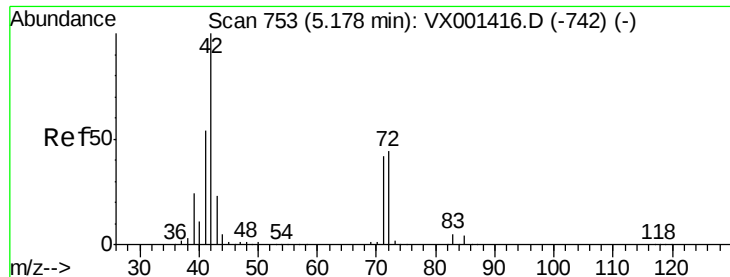
72 20.5 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#03

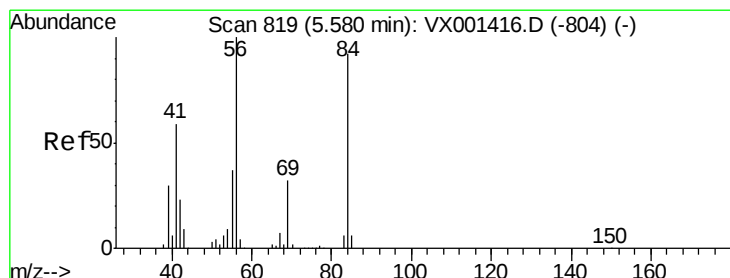
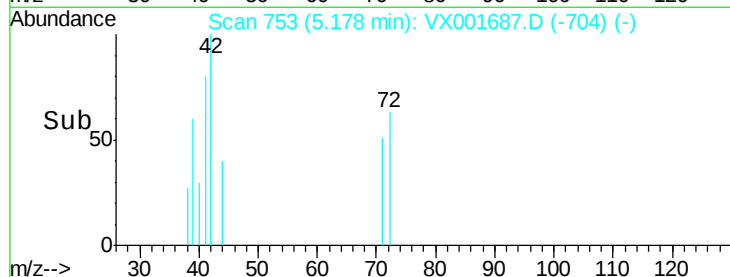
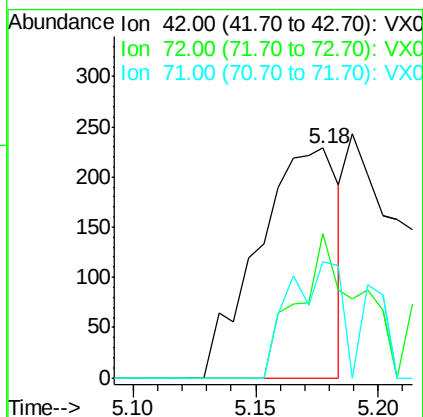
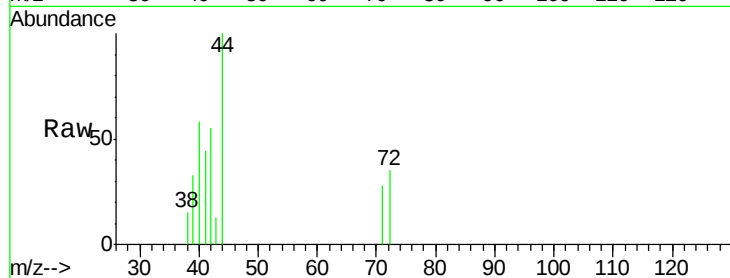
Tgt Ion: 42 Resp: 521

Ion Ratio Lower Upper

42 100

72 47.6 35.4 53.2

71 32.6 33.0 49.4#



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

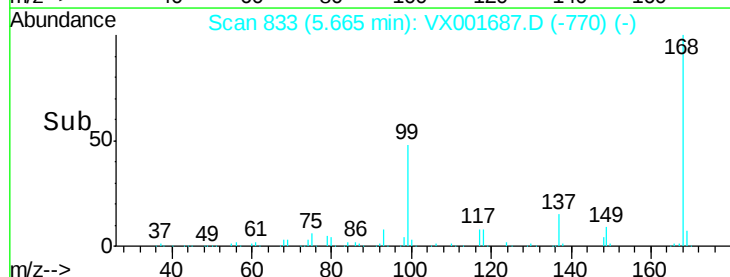
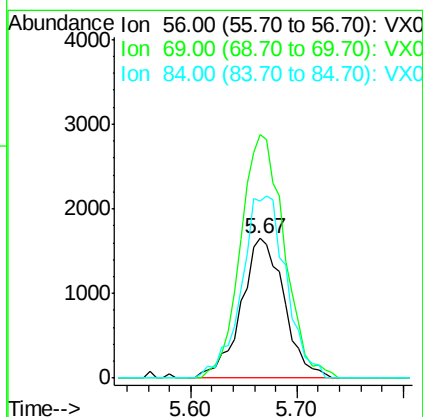
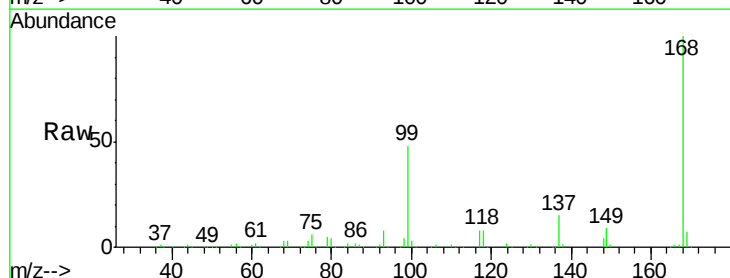
Tgt Ion: 56 Resp: 4663

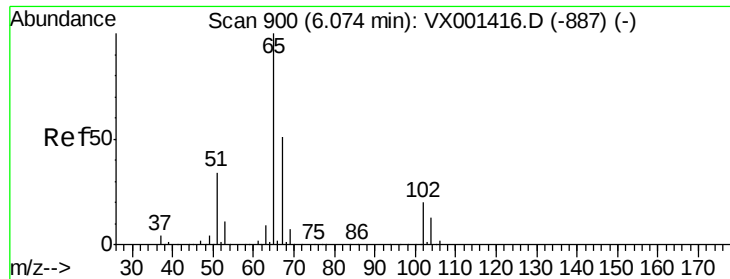
Ion Ratio Lower Upper

56 100

69 174.3 25.4 38.0#

84 126.5 73.8 110.8#

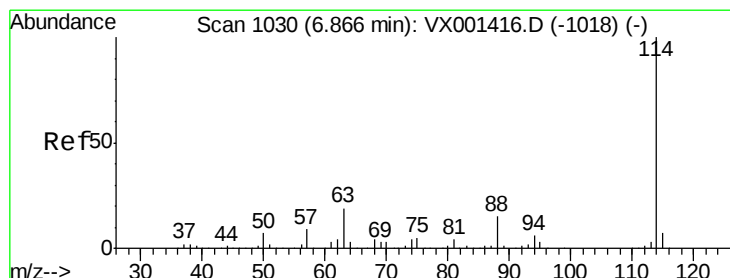
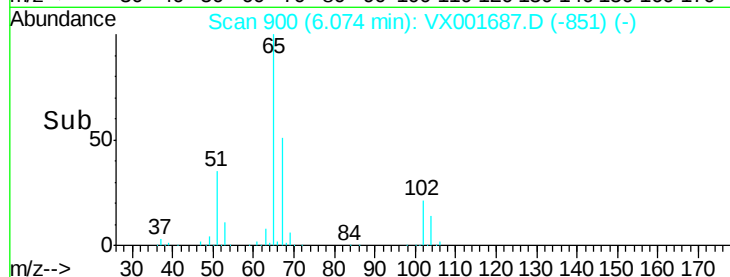
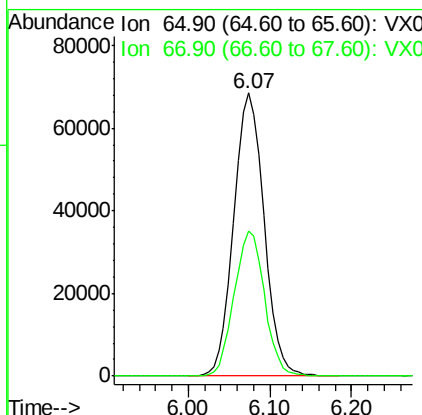
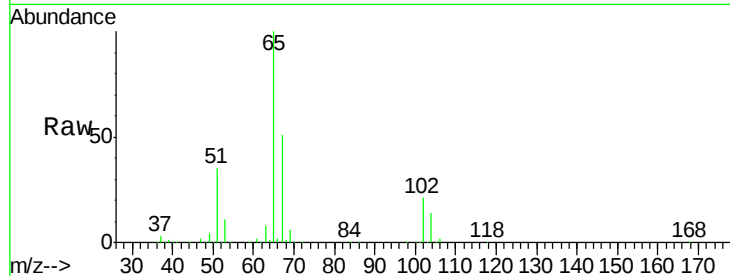




#33
 1,2-Dichloroethane-d4
 Concen: 45.01 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001687.D
 Acq: 13 May 2018 00:41

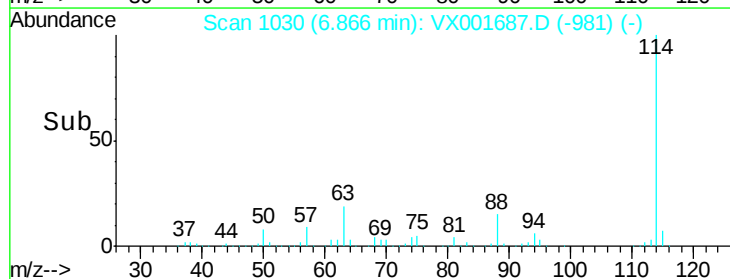
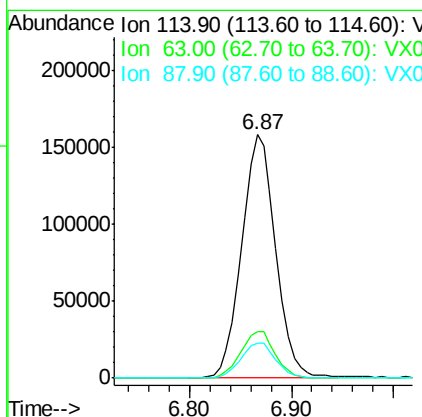
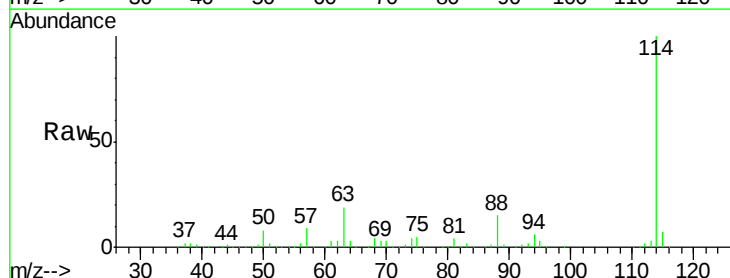
Instrument :
 MSVOA_X
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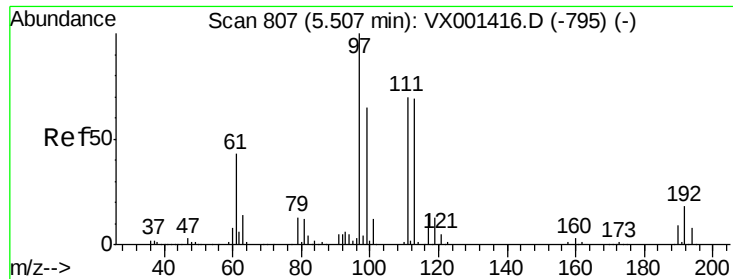
Tgt Ion: 65 Resp: 176539
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001687.D
 Acq: 13 May 2018 00:41

Tgt Ion: 114 Resp: 365926
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 14.6 0.0 30.8

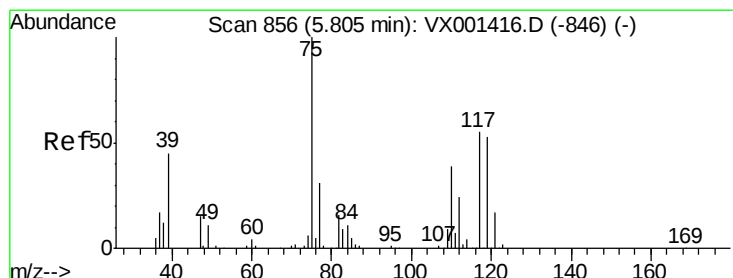
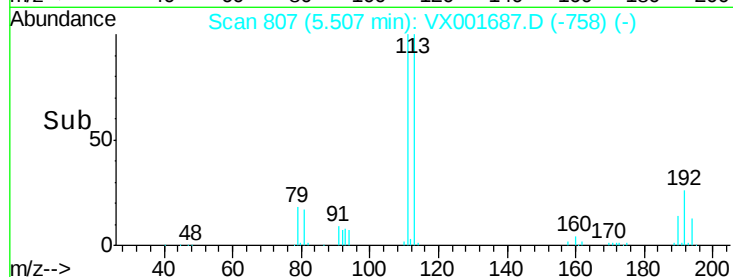
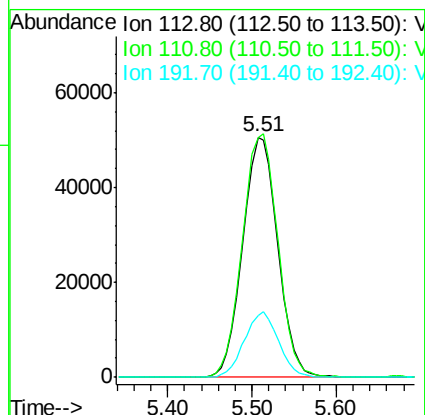
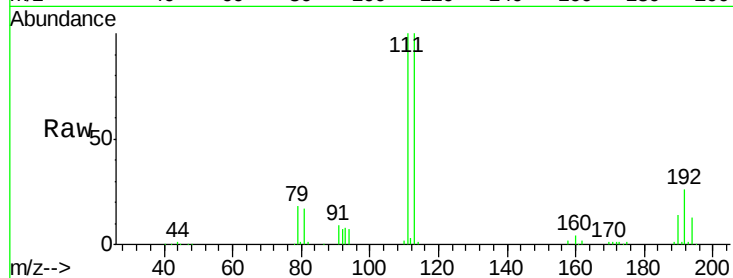




#35
 Dibromofluoromethane
 Concen: 43.78 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001687.D
 Acq: 13 May 2018 00:41

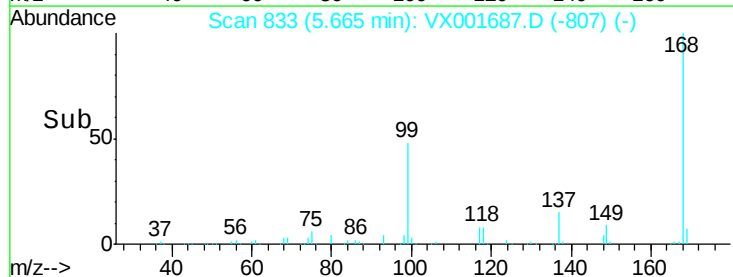
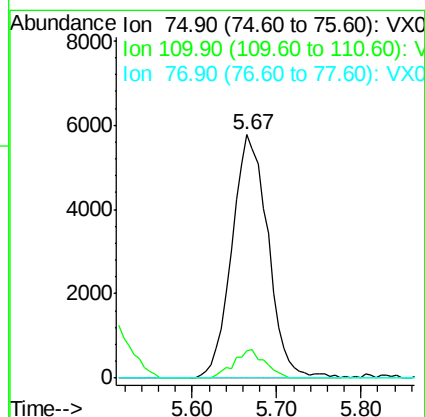
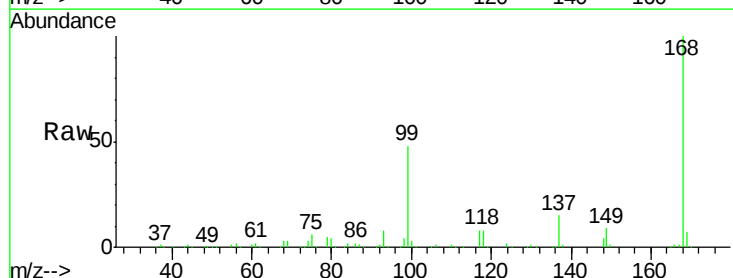
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#03

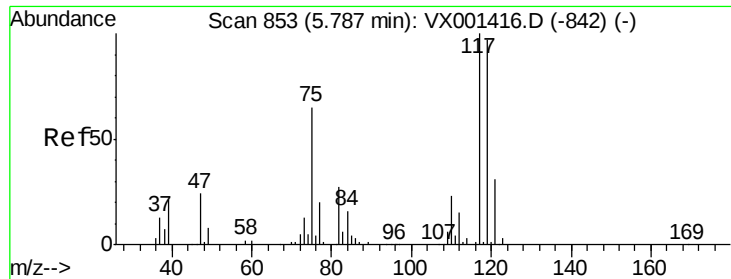
Tgt Ion:113 Resp: 142497
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 26.7 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.61 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001687.D
 Acq: 13 May 2018 00:41

Tgt Ion: 75 Resp: 16809
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#03

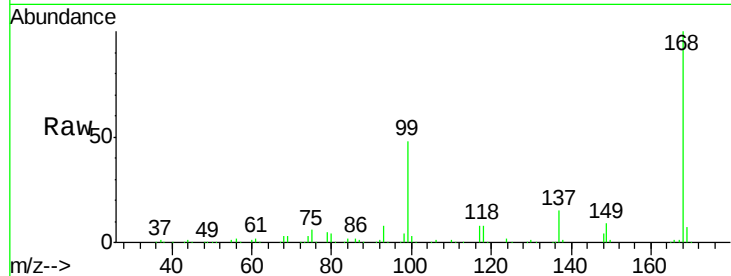
Tgt Ion:117 Resp: 22813

Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.6#

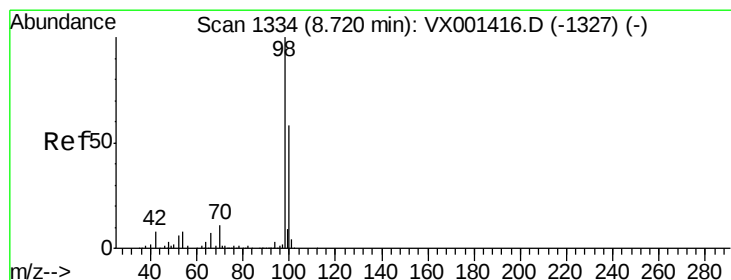
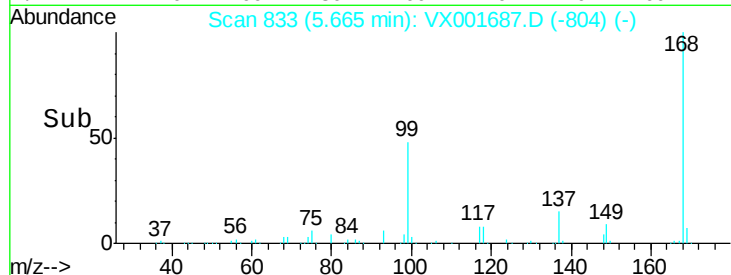
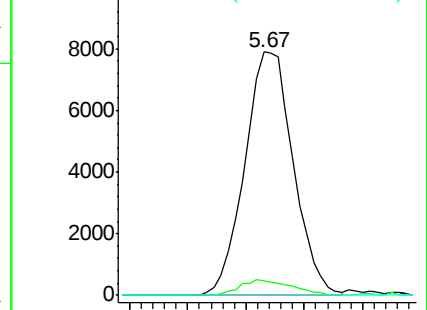
121 0.0 25.1 37.7#



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: 43.16 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001687.D

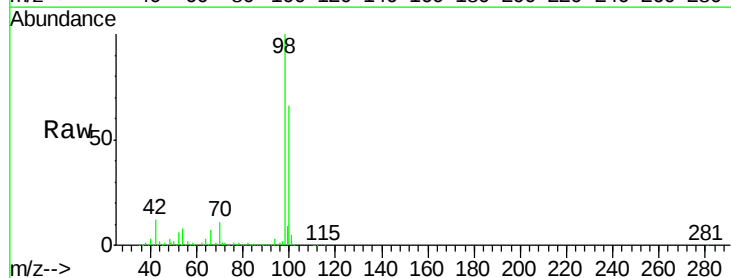
Acq: 13 May 2018 00:41

Tgt Ion: 98 Resp: 512763

Ion Ratio Lower Upper

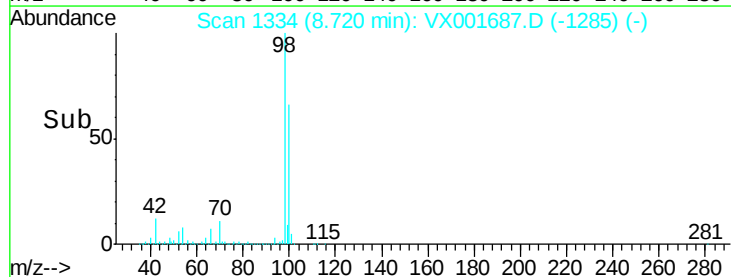
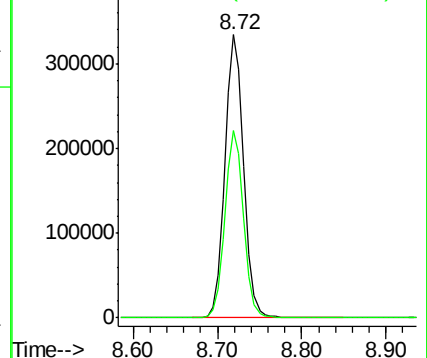
98 100

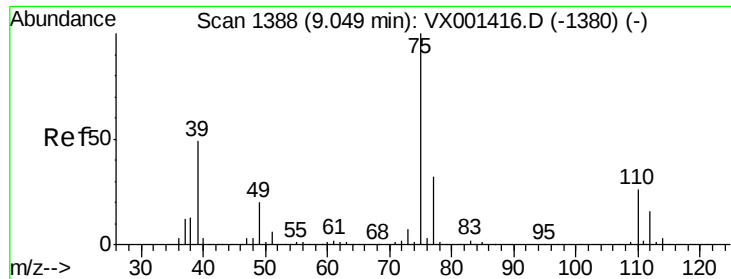
100 66.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

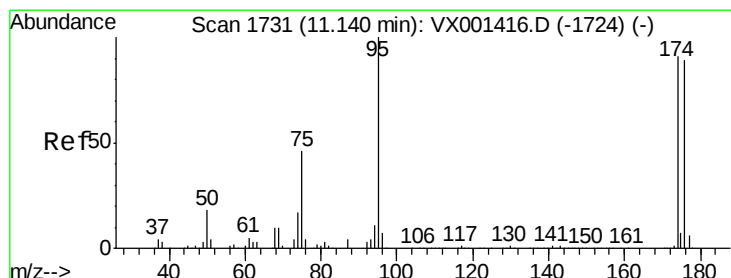
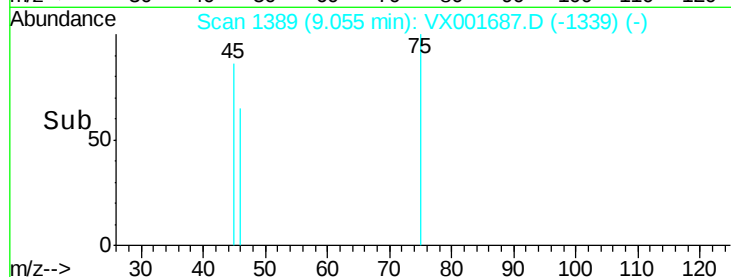
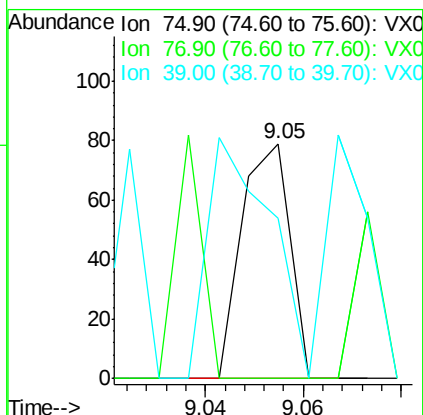
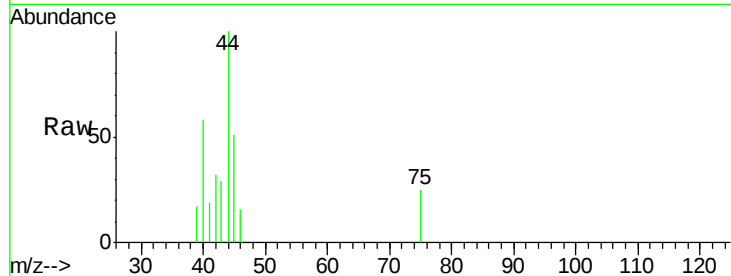




#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 9.05 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX001687.D
 Acq: 13 May 2018 00:41

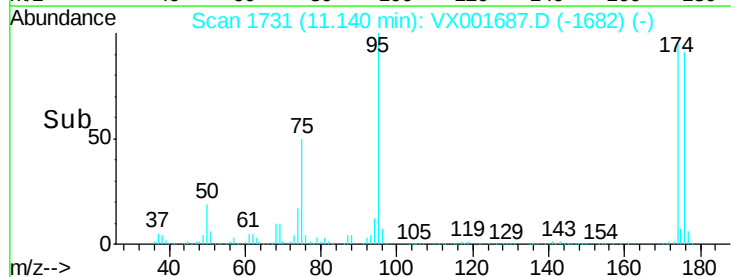
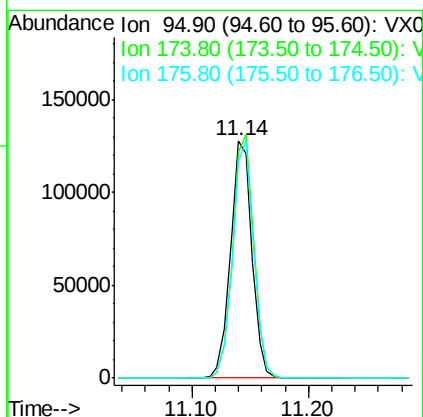
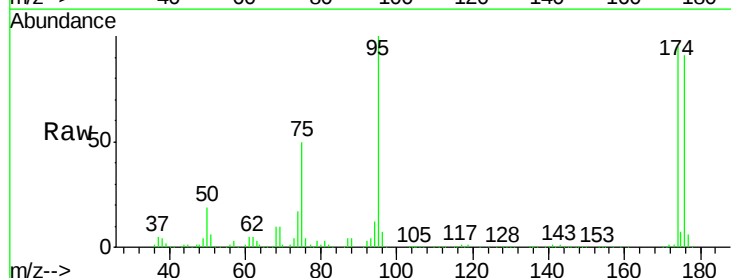
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#03

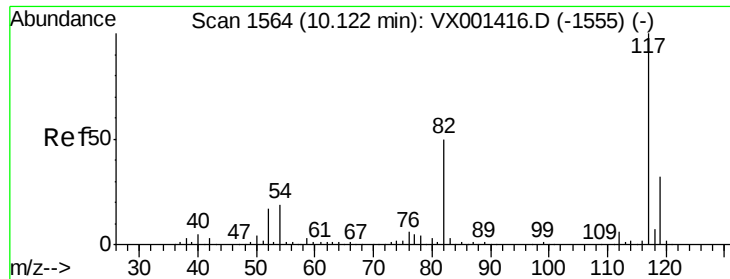
Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 68.4 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 35.85 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001687.D
 Acq: 13 May 2018 00:41

Tgt Ion: 95 Resp: 163526
 Ion Ratio Lower Upper
 95 100
 174 101.9 0.0 202.0
 176 98.3 0.0 197.4

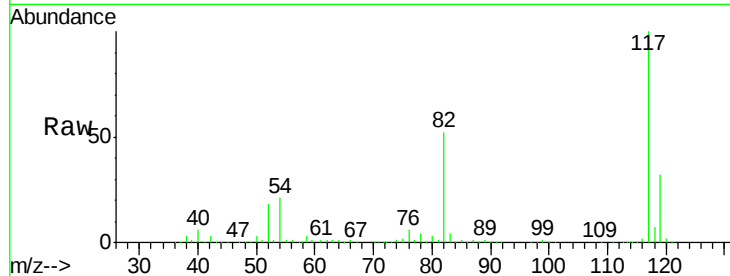




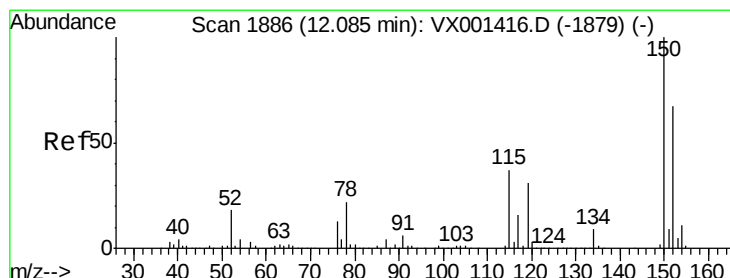
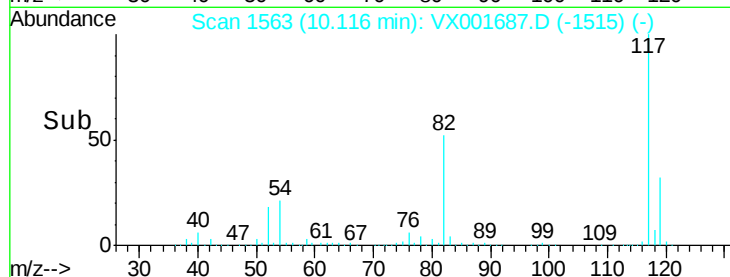
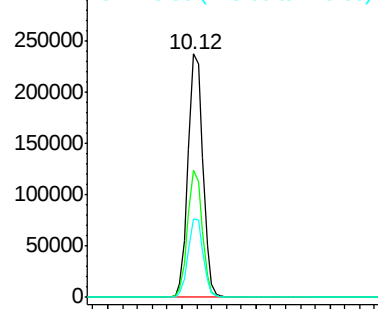
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001687.D
Acq: 13 May 2018 00:41

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#03

Tgt Ion:117 Resp: 324046
Ion Ratio Lower Upper
117 100
82 52.2 40.0 60.0
119 32.3 25.8 38.8

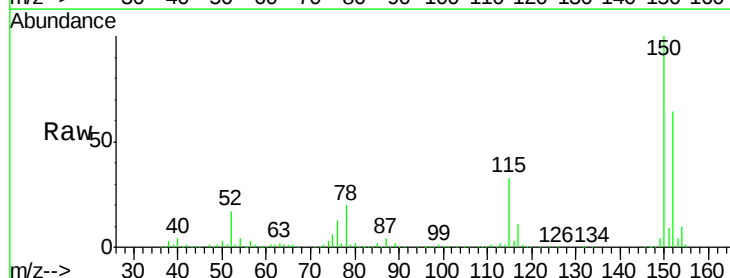


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

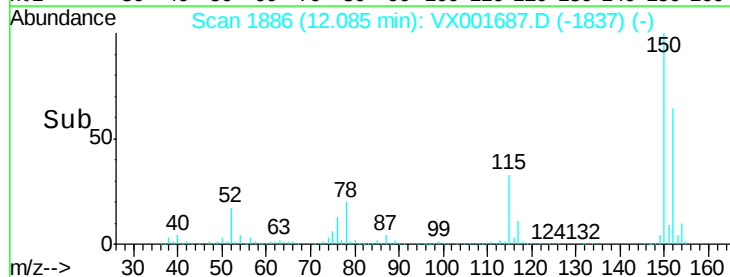
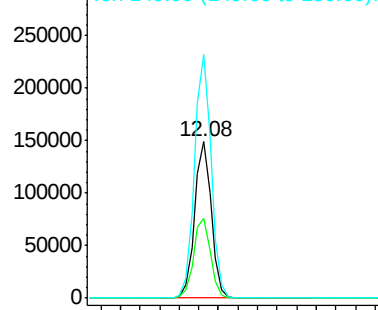


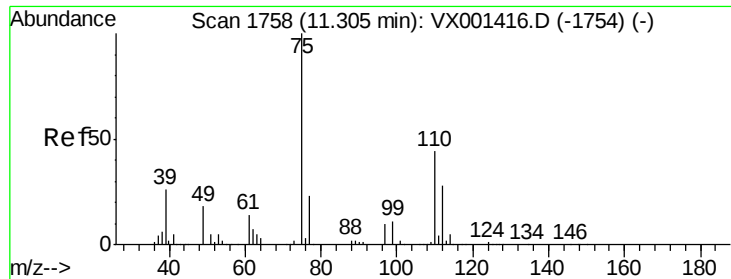
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001687.D
Acq: 13 May 2018 00:41

Tgt Ion:152 Resp: 175143
Ion Ratio Lower Upper
152 100
115 51.7 37.7 113.1
150 155.9 0.0 349.4



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: 22.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

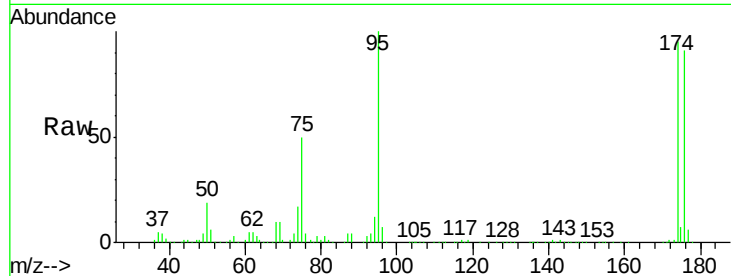
PB109200ZHE#03

Tgt Ion: 75 Resp: 80550

Ion Ratio Lower Upper

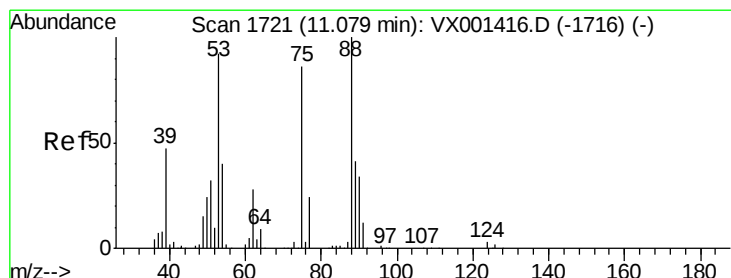
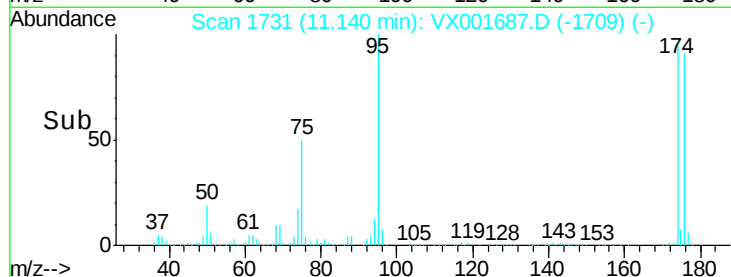
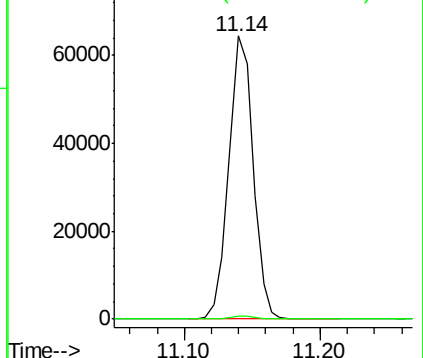
75 100

77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001687.D

Acq: 13 May 2018 00:41

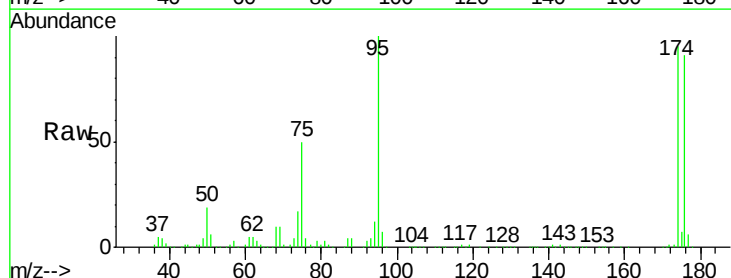
Tgt Ion: 75 Resp: 80550

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

