

Data File : VX001693.D

Acq On : 13 May 2018 03:20

Operator : JC/MD

Sample : PB109200ZHE#09

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#09

Quant Time: May 14 06:10:55 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	275012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	181202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180043	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	5.51	113	143407	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
50) Toluene-d8	8.72	98	521638	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
62) 4-Bromofluorobenzene	11.14	95	166686	35.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.92%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	692	Below Cal		92
11) Tert butyl alcohol	3.02	59	1489	1.79 ug/l	#	76
13) Acrolein	2.30	56	61	Below Cal	#	1
16) Acetone	2.45	43	7619	4.24 ug/l		97
18) Methyl Acetate	2.78	43	23482	4.98 ug/l		100
20) Methylene Chloride	2.86	84	2642	0.74 ug/l		88
25) 2-Butanone	4.71	43	2136	0.82 ug/l		99
29) Tetrahydrofuran	5.17	42	817	0.49 ug/l	#	54
31) Cyclohexane	5.67	56	4447	0.87 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	17317	3.66 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22890	4.54 ug/l	#	16
54) cis-1,3-Dichloropropene	8.97	75	53	2.27 ug/l	#	32
76) 1,2,3-Trichloropropane	11.14	75	80857	22.00 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	80857	68.42 ug/l	#	7

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

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Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#09

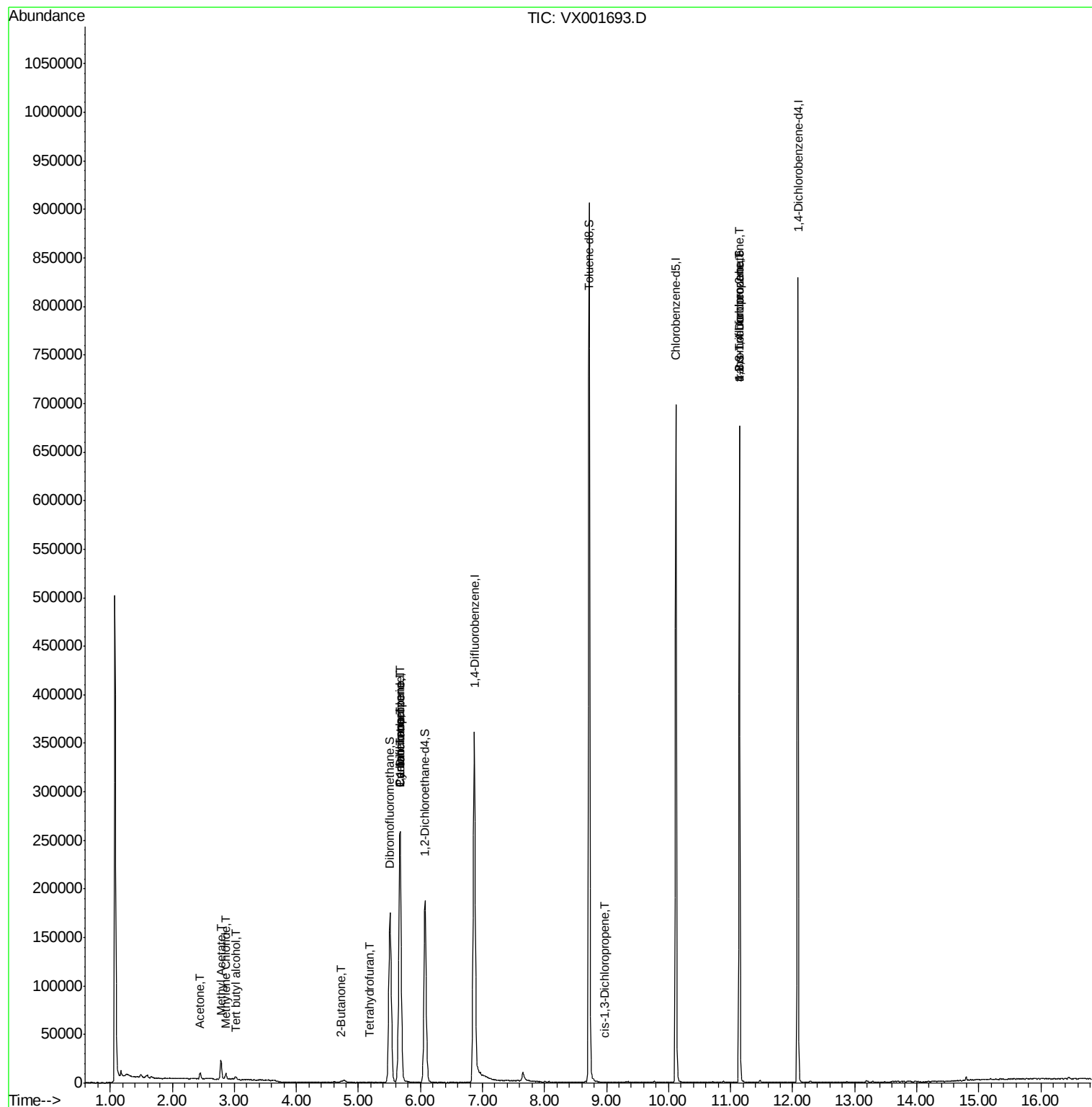
Quant Time: May 14 06:10:55 2018

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: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

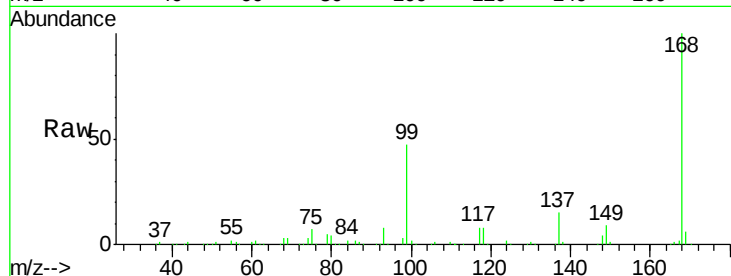
PB109200ZHE#09

Tgt Ion:168 Resp: 275012

Ion Ratio Lower Upper

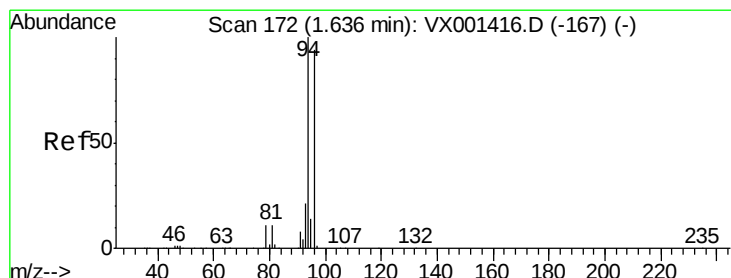
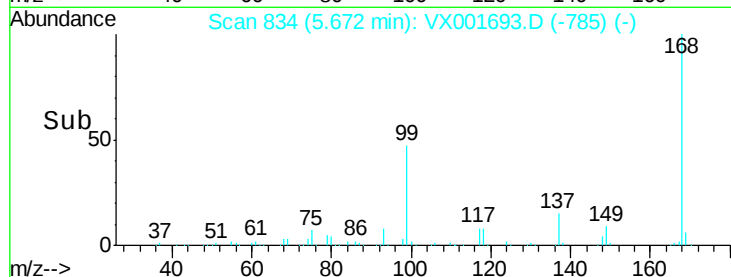
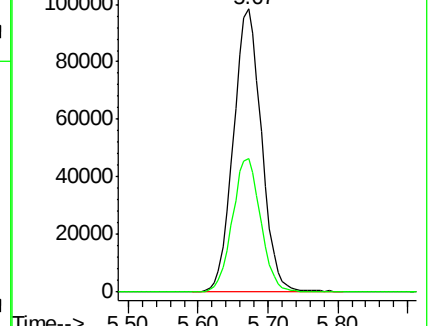
168 100

99 47.3 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. 0.03 min

Lab File: VX001693.D

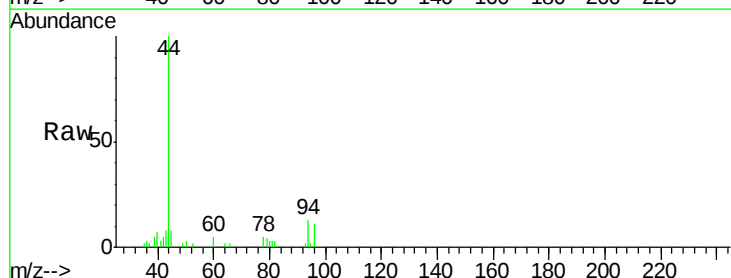
Acq: 13 May 2018 03:20

Tgt Ion: 94 Resp: 692

Ion Ratio Lower Upper

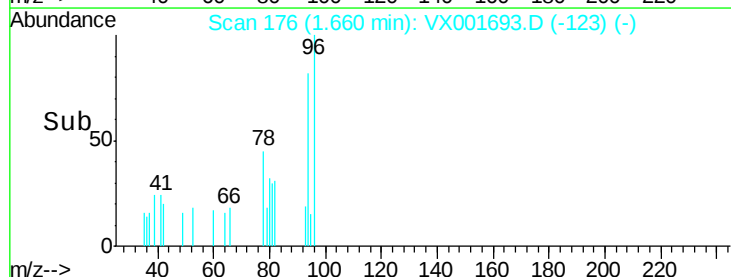
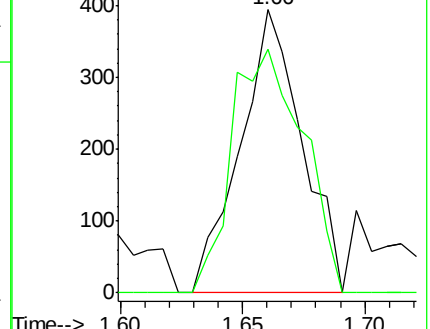
94 100

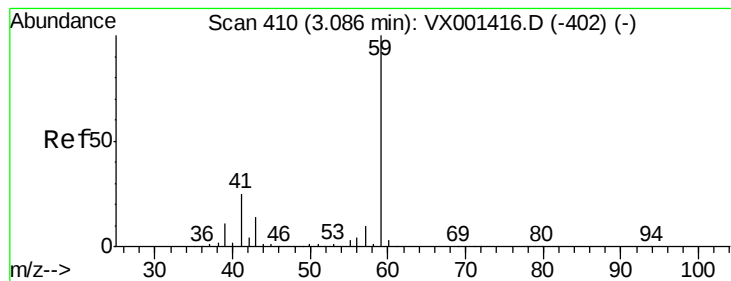
96 86.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



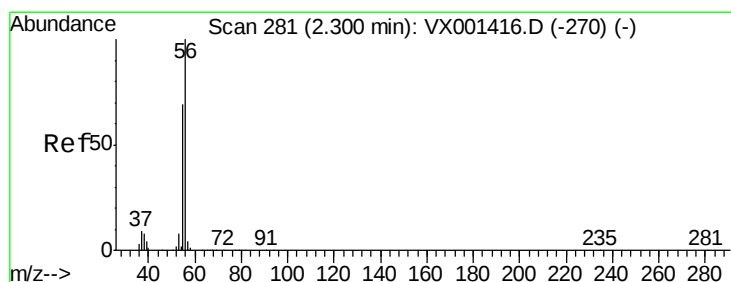
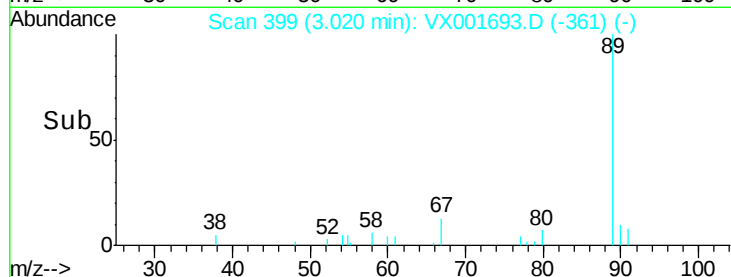
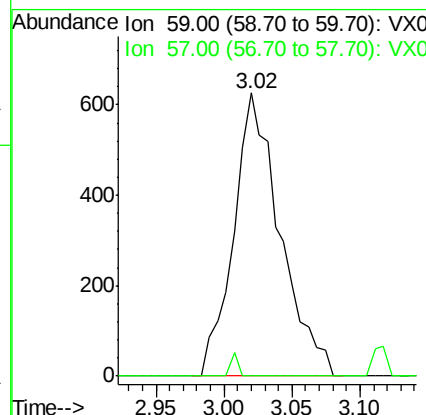
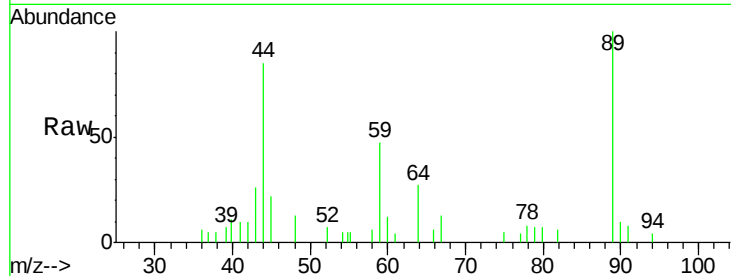


#11

Tert butyl alcohol
 Concen: 1.79 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.07 min
 Lab File: VX001693.D
 Acq: 13 May 2018 03:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#09

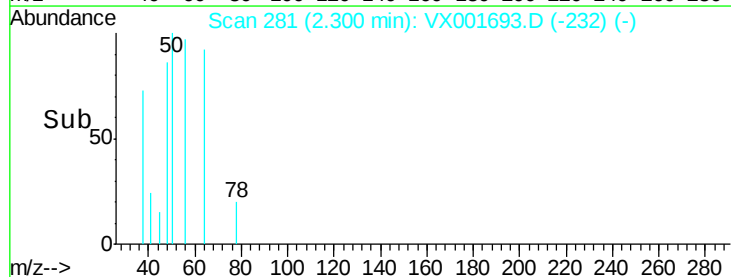
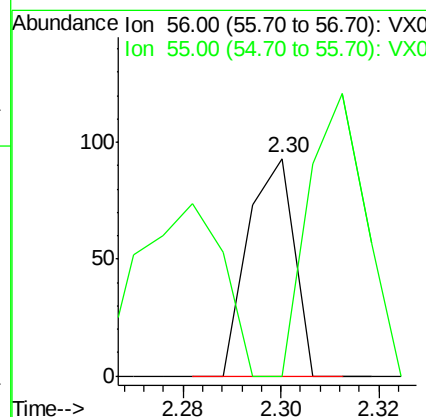
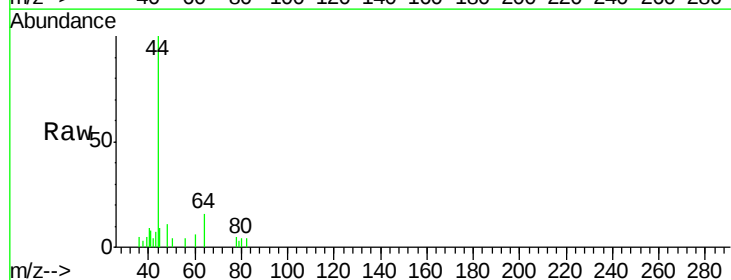
Tgt Ion: 59 Resp: 1489
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.2 12.4#

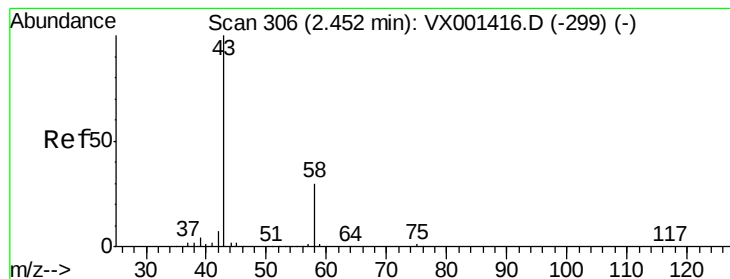


#13

Acrolein
 Concen: Below Cal
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX001693.D
 Acq: 13 May 2018 03:20

Tgt Ion: 56 Resp: 61
 Ion Ratio Lower Upper
 56 100
 55 160.7 54.5 81.7#





#16

Acetone

Concen: 4.24 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

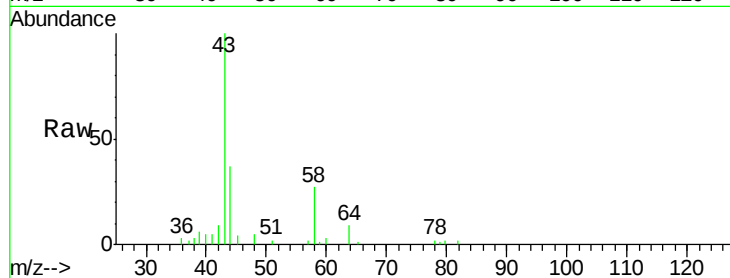
PB109200ZHE#09

Tgt Ion: 43 Resp: 7619

Ion Ratio Lower Upper

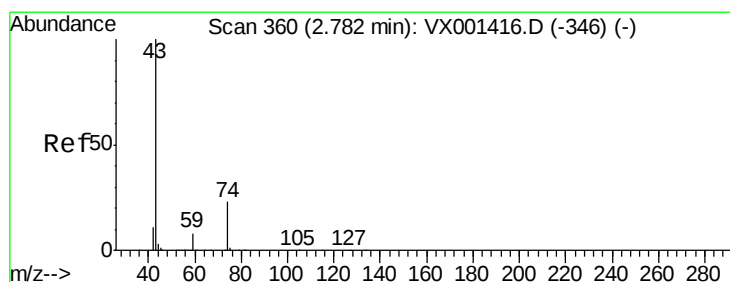
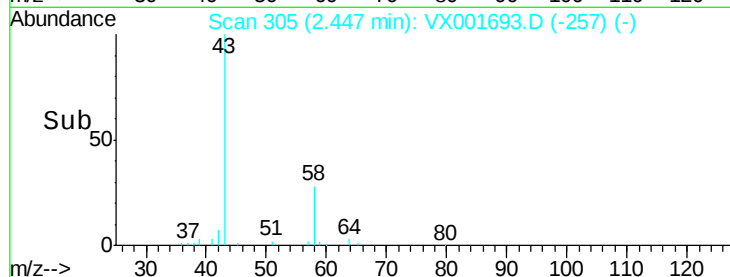
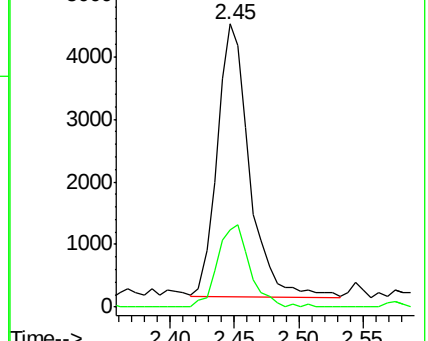
43 100

58 28.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 4.98 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001693.D

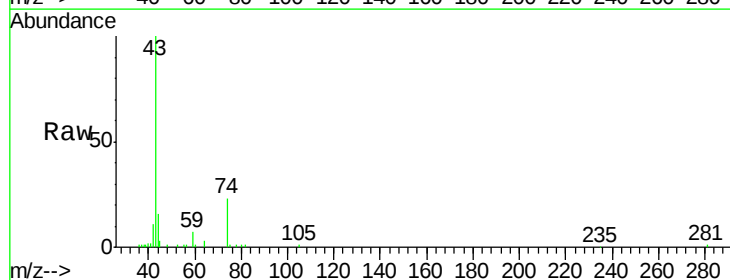
Acq: 13 May 2018 03:20

Tgt Ion: 43 Resp: 23482

Ion Ratio Lower Upper

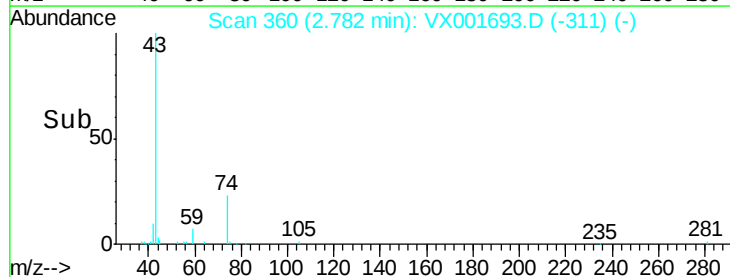
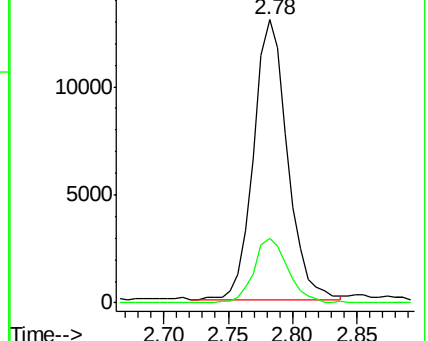
43 100

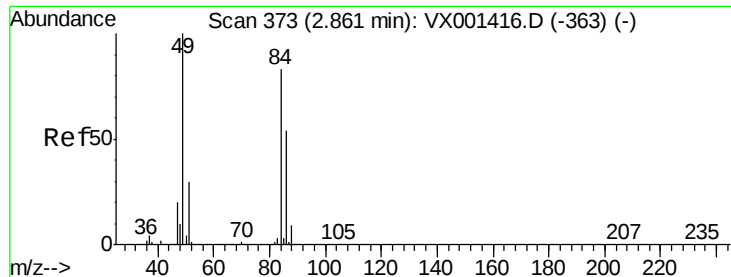
74 23.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.74 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#09

Tgt Ion: 84 Resp: 2642

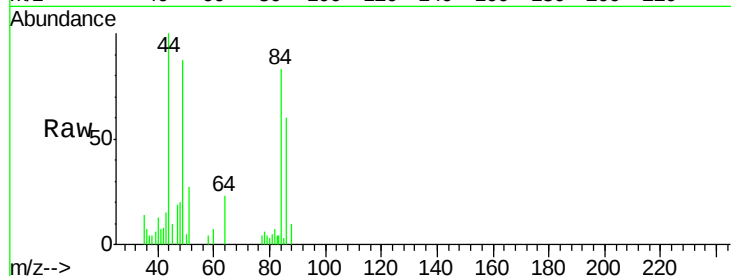
Ion Ratio Lower Upper

84 100

49 104.6 96.6 144.8

51 32.6 29.0 43.4

86 72.8 52.2 78.4

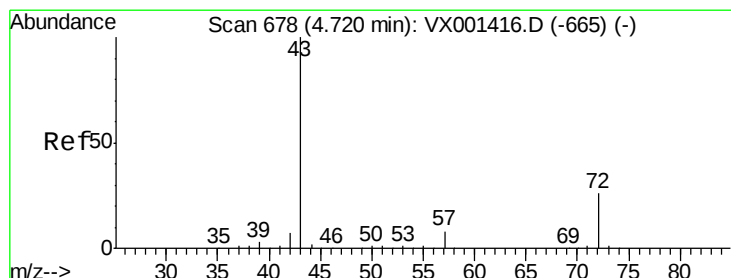
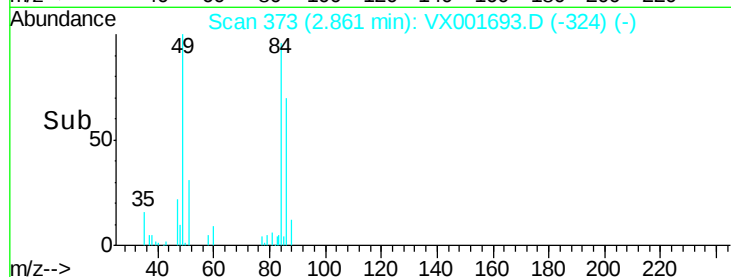
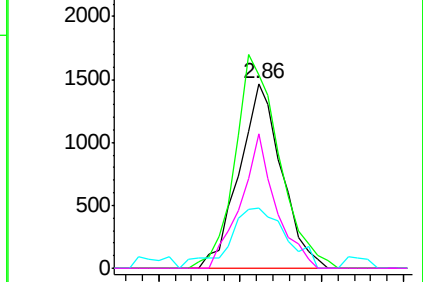


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: VX001693.D

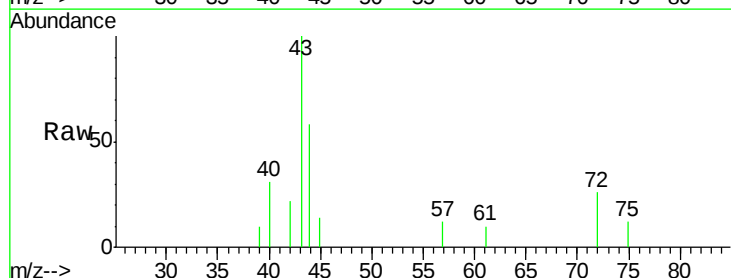
Acq: 13 May 2018 03:20

Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

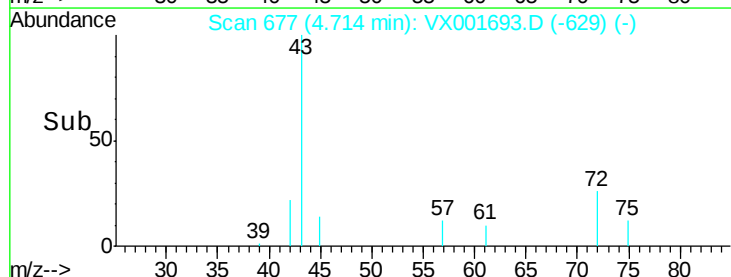
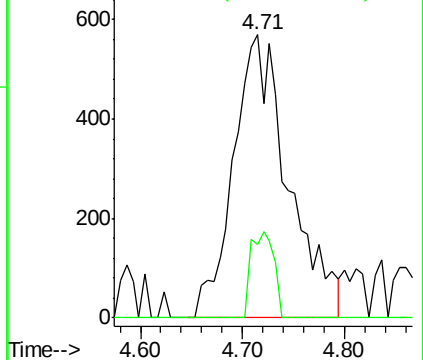
43 100

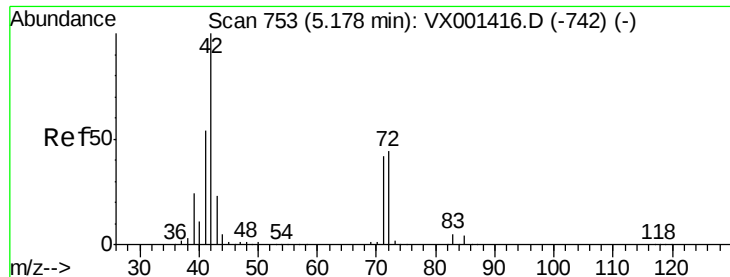
72 26.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#09

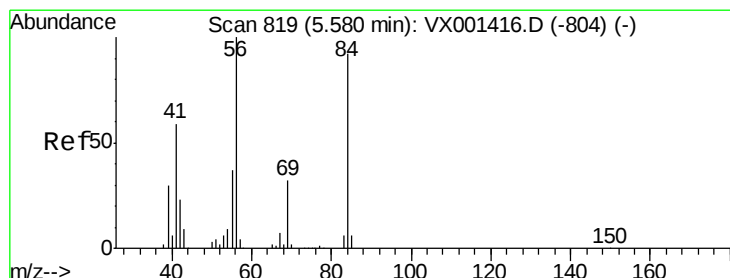
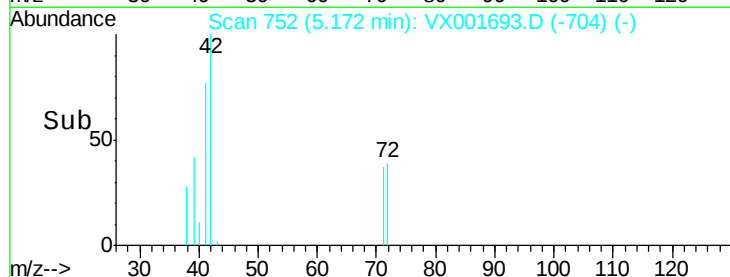
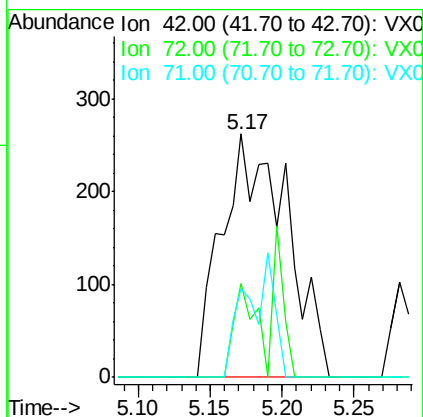
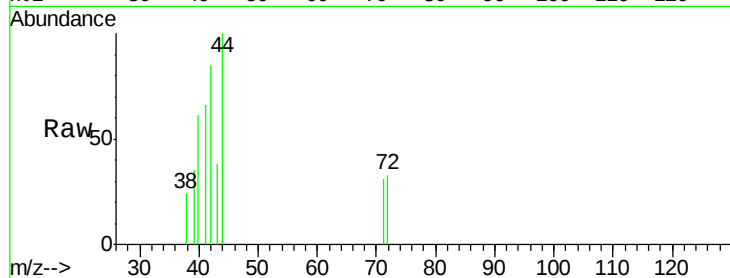
Tgt Ion: 42 Resp: 817

Ion Ratio Lower Upper

42 100

72 13.3 35.4 53.2#

71 13.5 33.0 49.4#



#31

Cyclohexane

Concen: 0.87 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

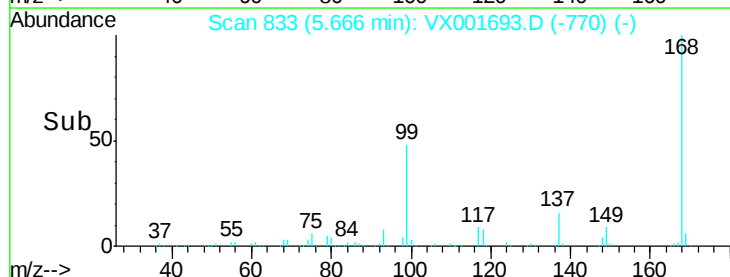
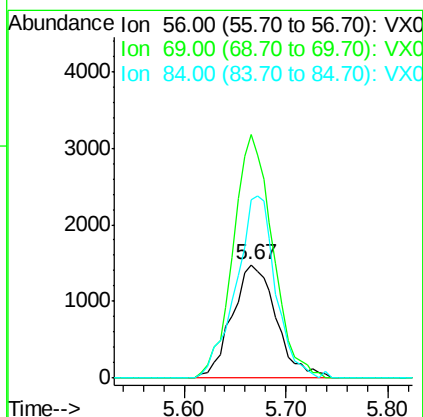
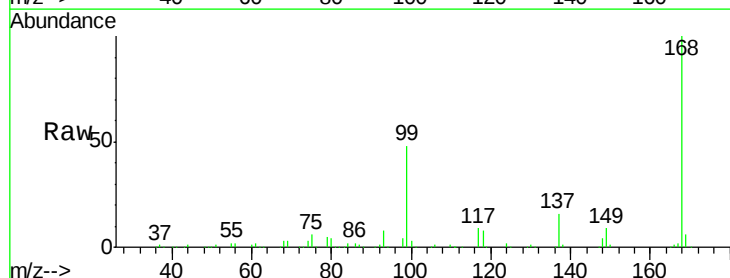
Tgt Ion: 56 Resp: 4447

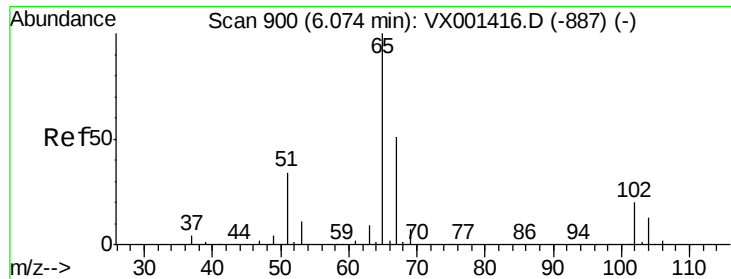
Ion Ratio Lower Upper

56 100

69 215.1 25.4 38.0#

84 157.7 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 45.55 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

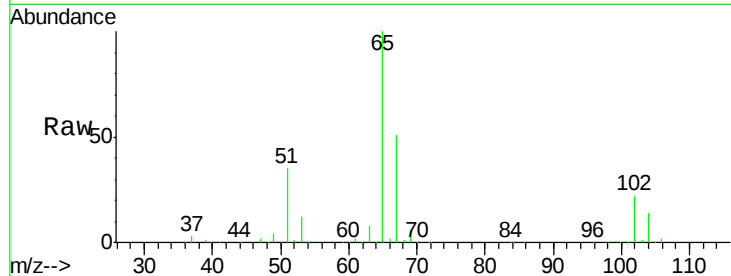
PB109200ZHE#09

Tgt Ion: 65 Resp: 180043

Ion Ratio Lower Upper

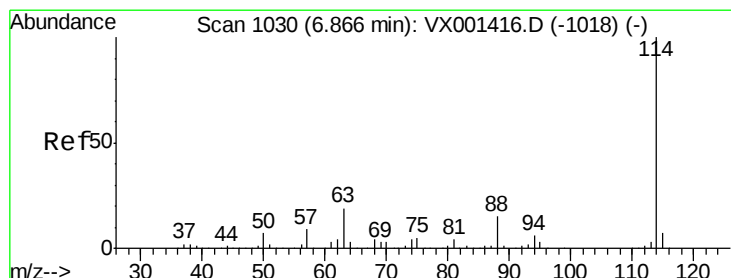
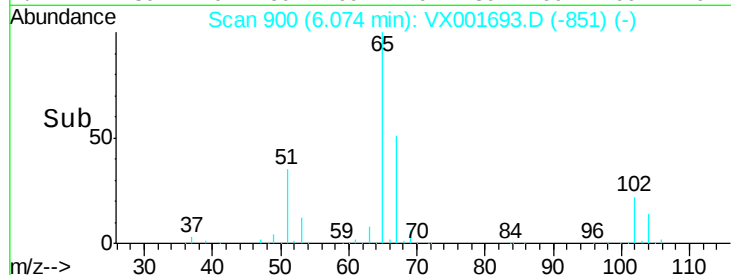
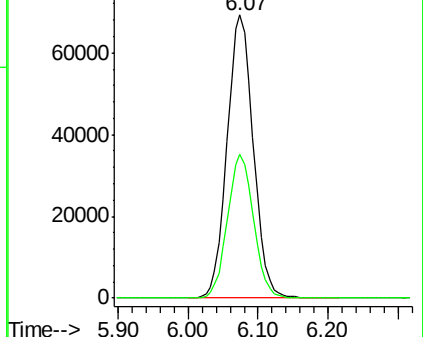
65 100

67 50.7 0.0 101.8



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: VX001693.D

Acq: 13 May 2018 03:20

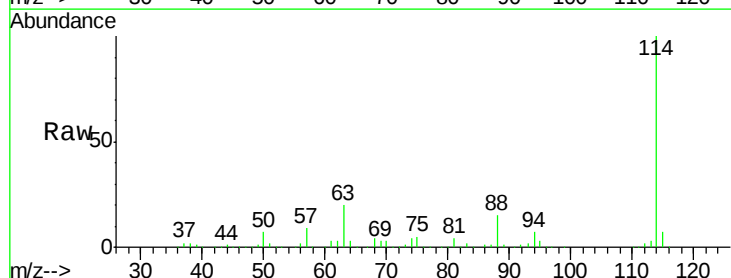
Tgt Ion: 114 Resp: 371911

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

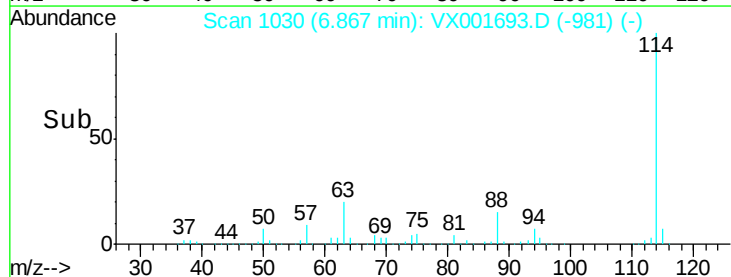
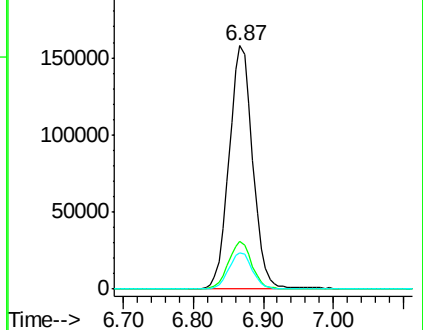
88 14.8 0.0 30.8

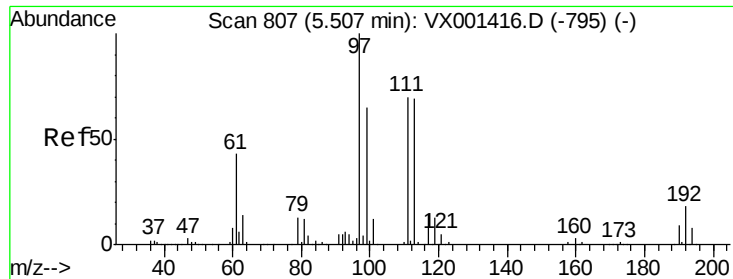


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

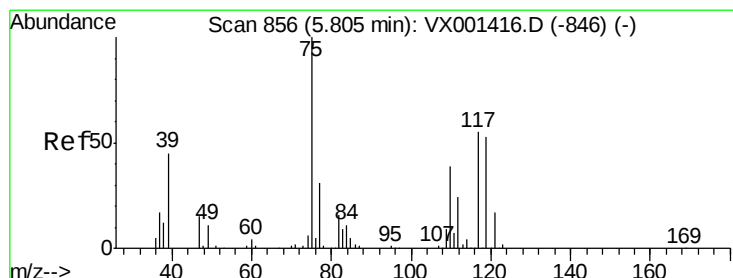
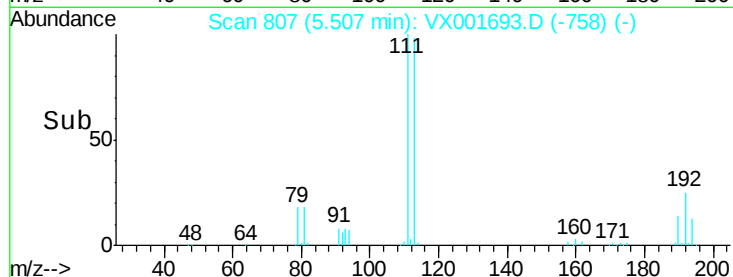
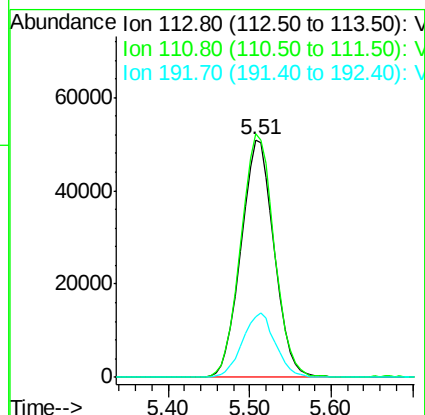
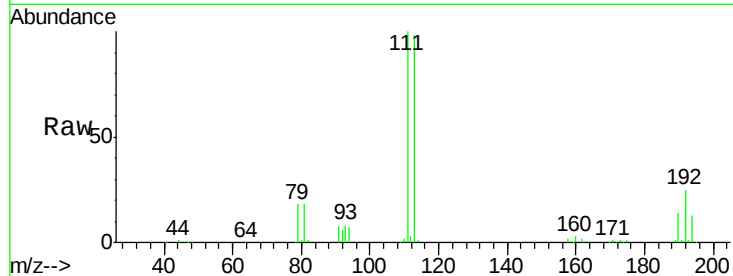




#35
 Dibromofluoromethane
 Concen: 43.35 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001693.D
 Acq: 13 May 2018 03:20

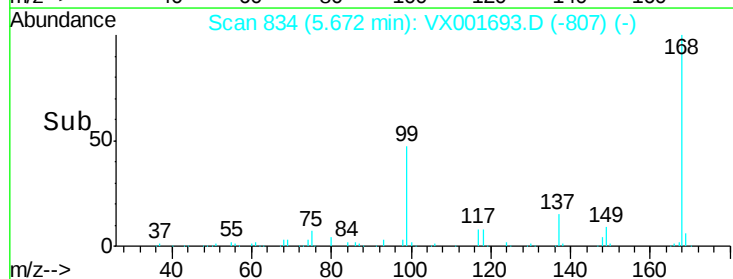
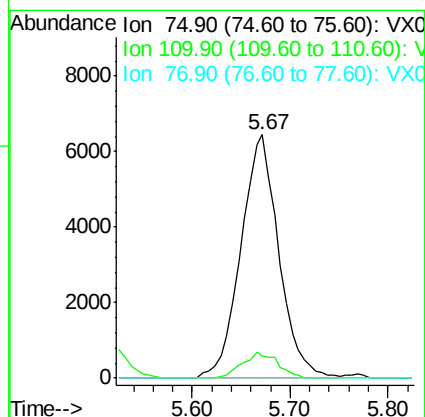
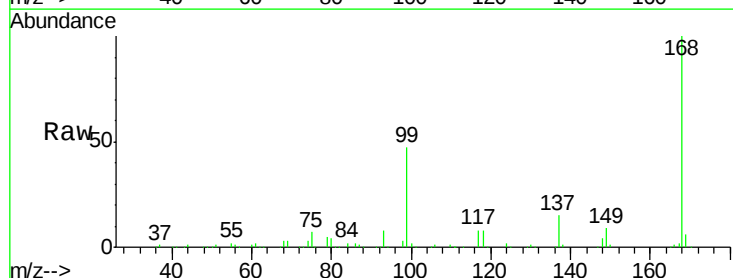
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#09

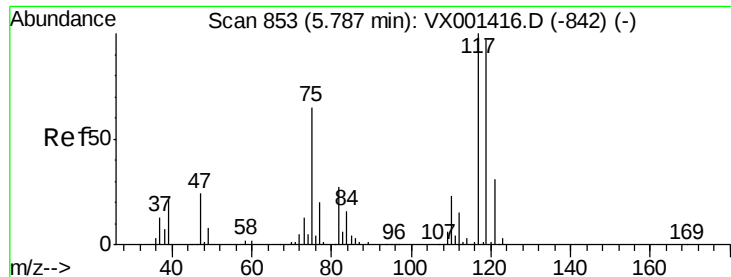
Tgt Ion:113 Resp: 143407
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.2
 192 27.0 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001693.D
 Acq: 13 May 2018 03:20

Tgt Ion: 75 Resp: 17317
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.54 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#09

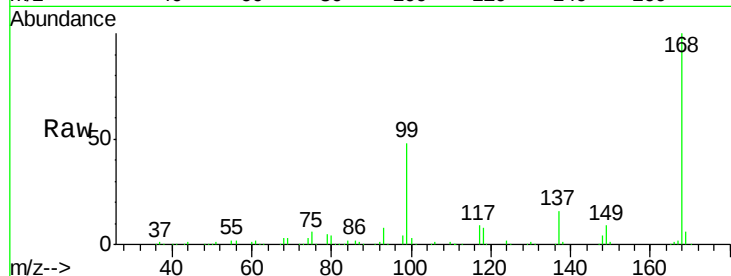
Tgt Ion: 117 Resp: 22890

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

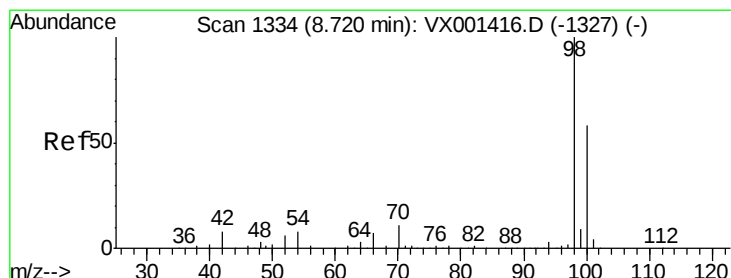
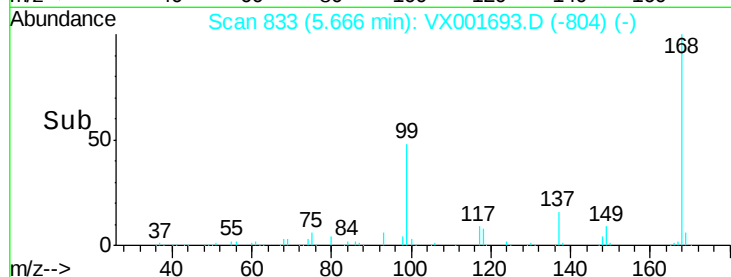
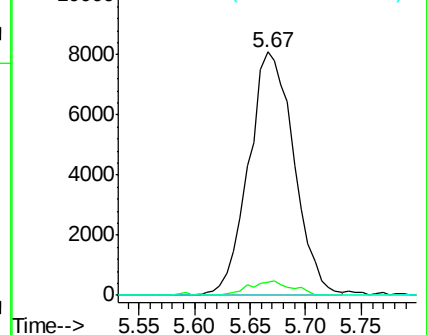
121 0.0 25.1 37.7#



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: 43.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001693.D

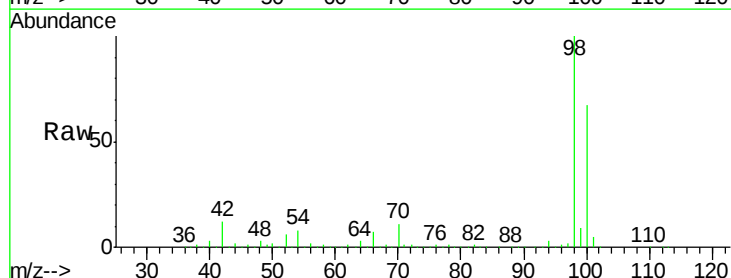
Acq: 13 May 2018 03:20

Tgt Ion: 98 Resp: 521638

Ion Ratio Lower Upper

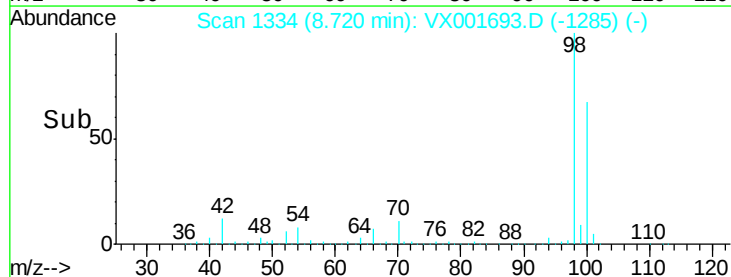
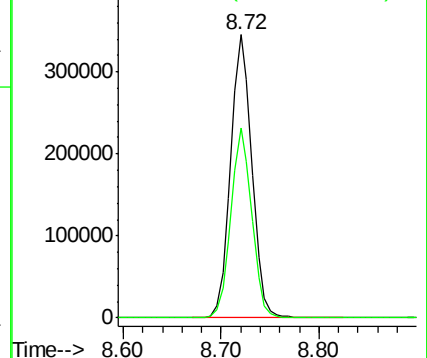
98 100

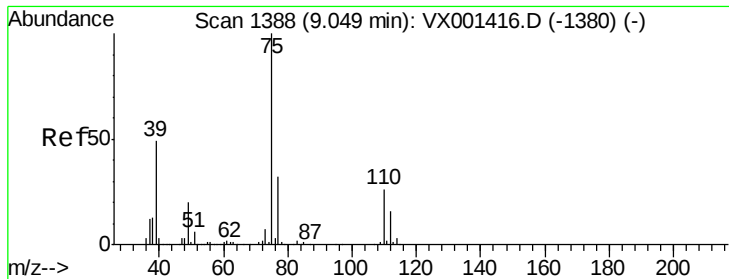
100 65.7 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

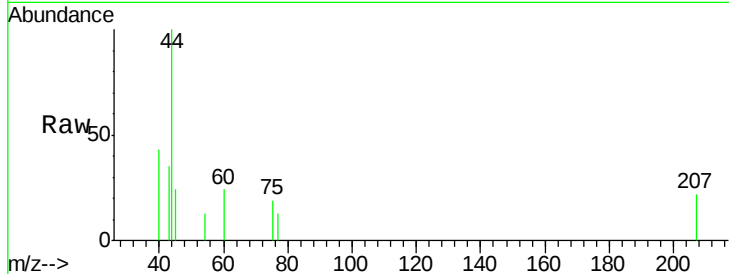




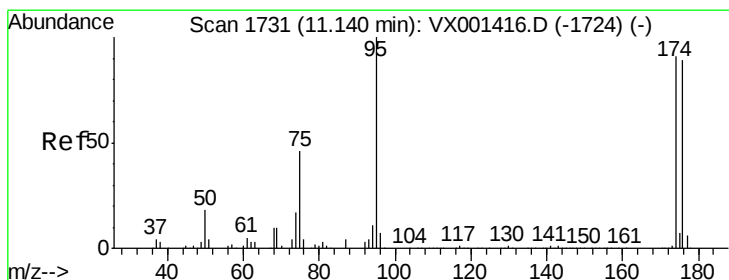
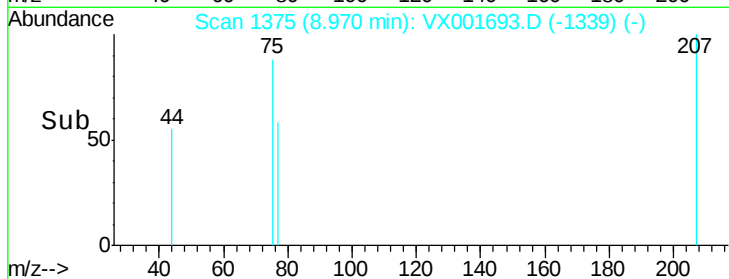
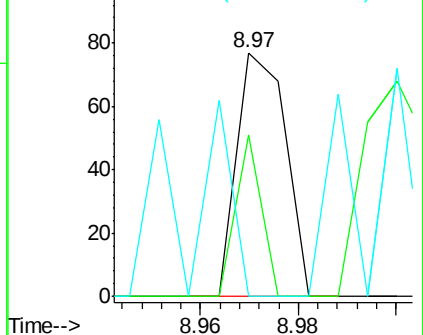
#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 8.97 min Scan# 1375
 Delta R.T. -0.08 min
 Lab File: VX001693.D
 Acq: 13 May 2018 03:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#09

Tgt Ion: 75 Resp: 53
 Ion Ratio Lower Upper
 75 100
 77 66.2 25.5 38.3#
 39 0.0 38.9 58.3#

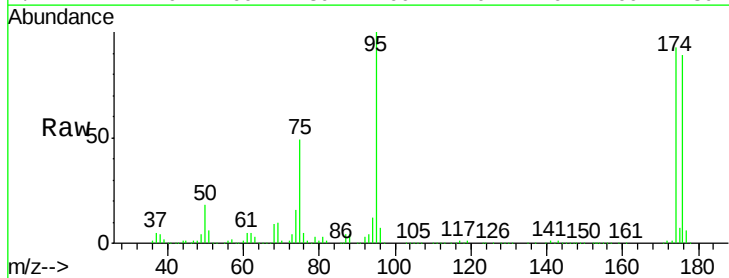


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0

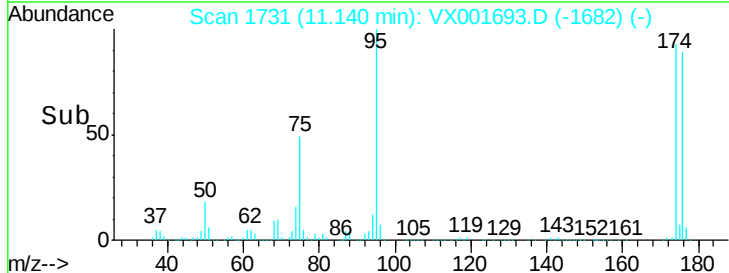
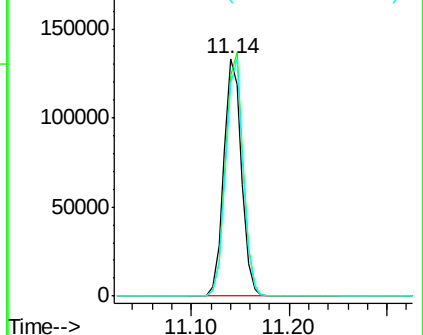


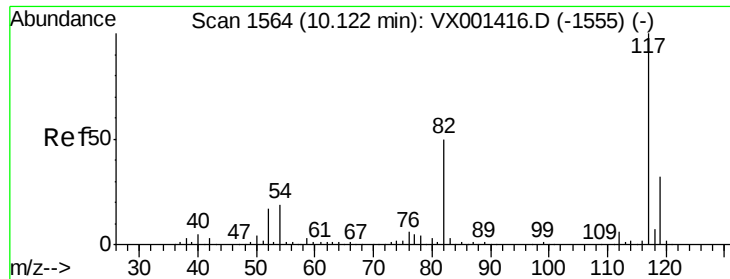
#62
 4-Bromofluorobenzene
 Concen: 35.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001693.D
 Acq: 13 May 2018 03:20

Tgt Ion: 95 Resp: 166686
 Ion Ratio Lower Upper
 95 100
 174 102.5 0.0 202.0
 176 98.6 0.0 197.4



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. -0.01 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#09

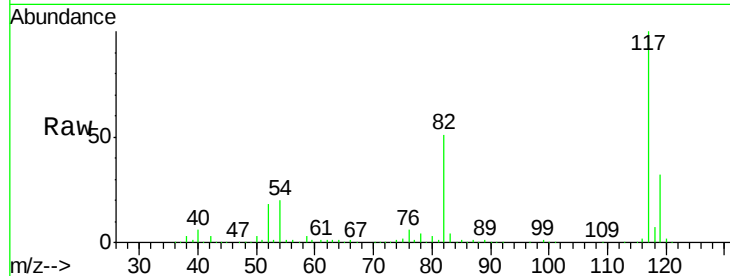
Tgt Ion:117 Resp: 333364

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

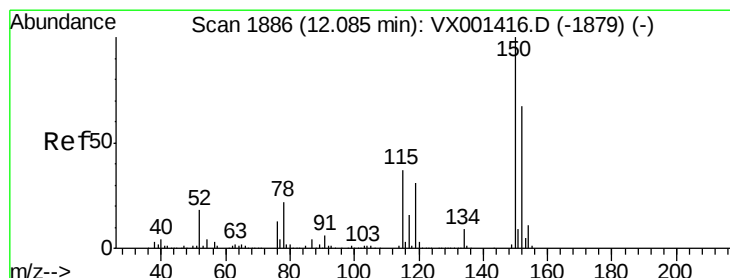
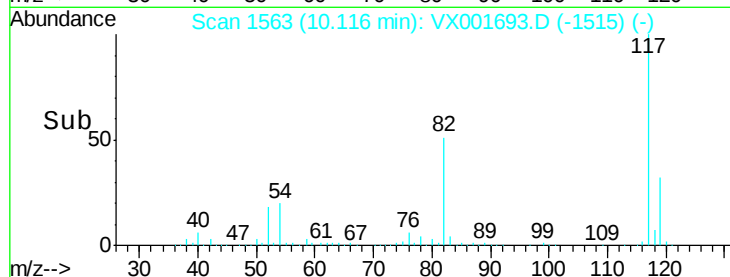
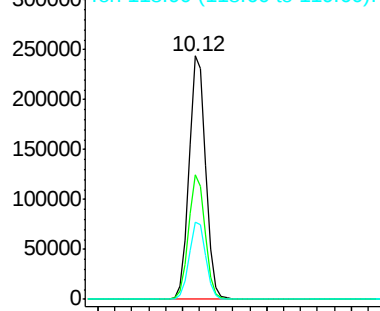
119 31.7 25.8 38.8



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

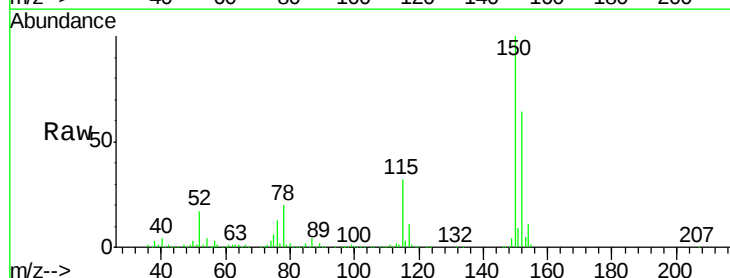
Tgt Ion:152 Resp: 181202

Ion Ratio Lower Upper

152 100

115 51.6 37.7 113.1

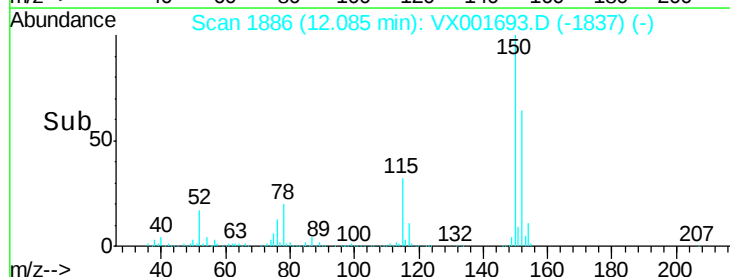
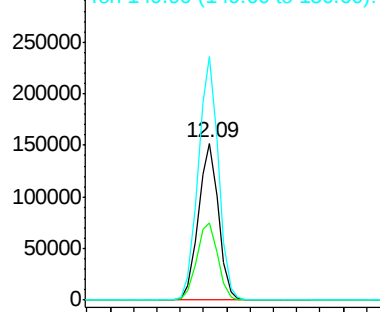
150 155.6 0.0 349.4

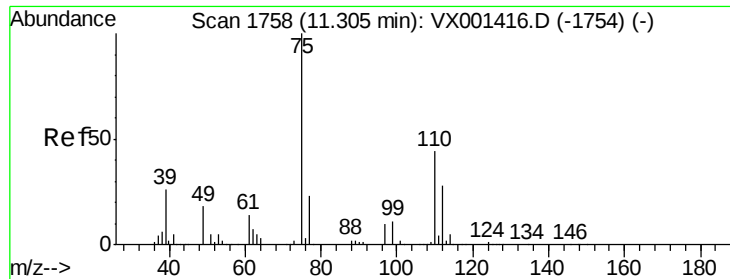


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

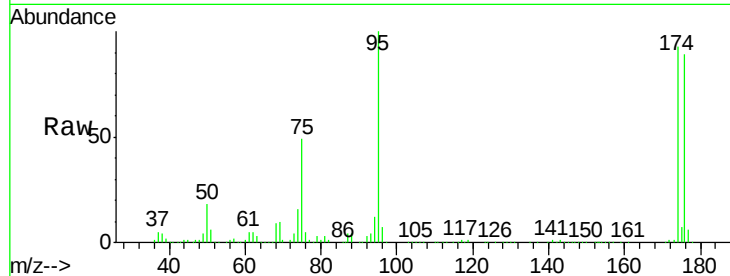
PB109200ZHE#09

Tgt Ion: 75 Resp: 80857

Ion Ratio Lower Upper

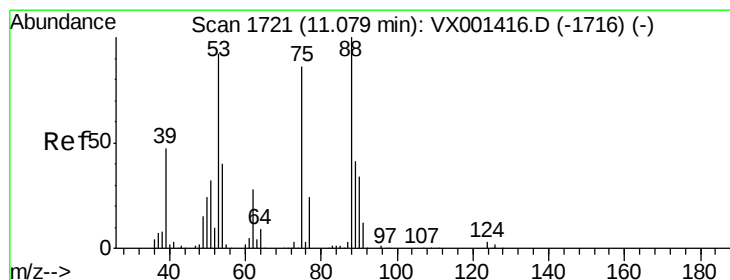
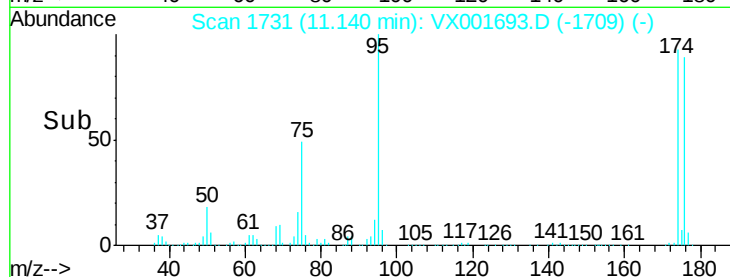
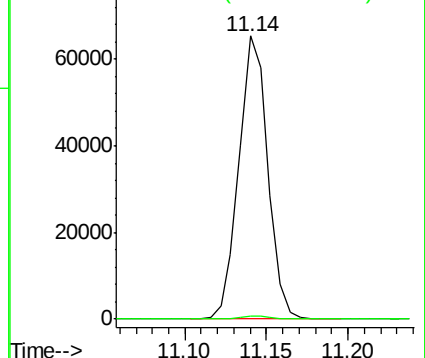
75 100

77 1.4 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: 68.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001693.D

Acq: 13 May 2018 03:20

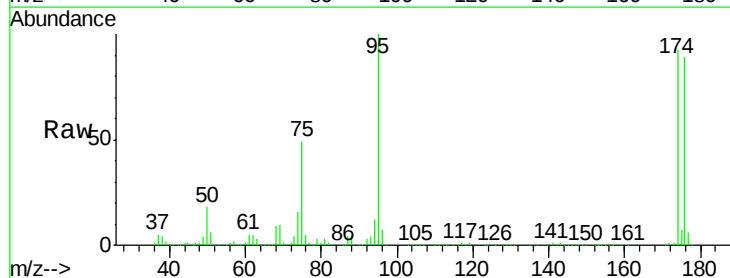
Tgt Ion: 75 Resp: 80857

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

