

Data File : VX001694.D
Acq On : 13 May 2018 03:47
Operator : JC/MD
Sample : PB109200ZHE#10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#10

Quant Time: May 14 06:11:11 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	267237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	176450	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	5.51	113	142944	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
50) Toluene-d8	8.72	98	506800	42.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.34%	
62) 4-Bromofluorobenzene	11.14	95	158595	34.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.58%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	752	Below Cal		89
11) Tert butyl alcohol	3.03	59	1835	2.27 ug/l	#	72
13) Acrolein	2.30	56	22	Below Cal	#	1
16) Acetone	2.45	43	7727	4.43 ug/l		95
18) Methyl Acetate	2.78	43	22668	4.95 ug/l		100
20) Methylene Chloride	2.86	84	2659	0.77 ug/l		92
25) 2-Butanone	4.73	43	2060	0.82 ug/l	#	81
29) Tetrahydrofuran	5.17	42	748	0.46 ug/l	#	48
31) Cyclohexane	5.67	56	4561	0.92 ug/l	#	6
36) 1,1-Dichloropropene	5.67	75	16394	3.52 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22850	4.60 ug/l	#	18
76) 1,2,3-Trichloropropane	11.14	75	77287	22.27 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	77287	69.21 ug/l	#	7

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

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Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

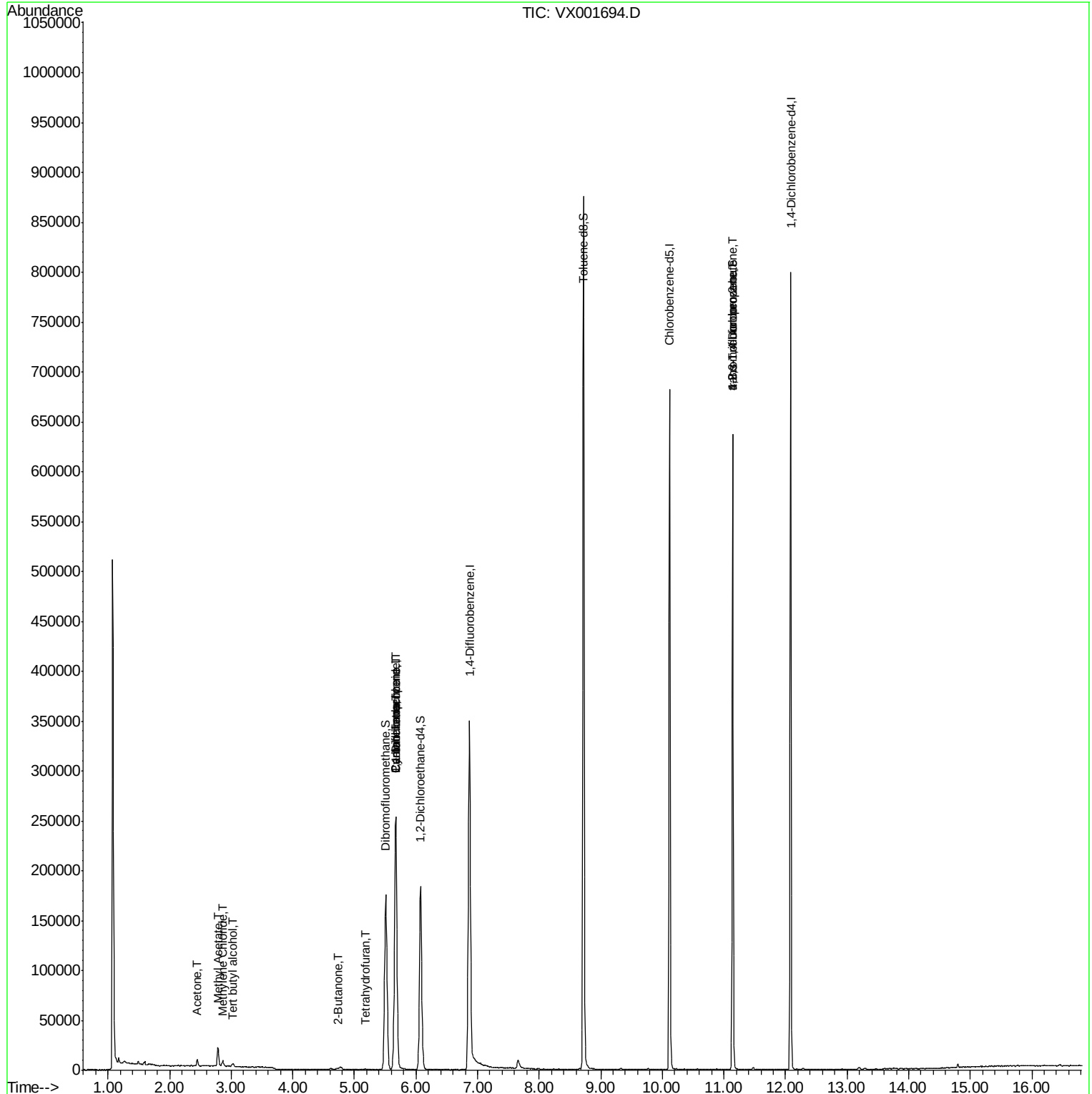
Quant Time: May 14 06:11:11 2018

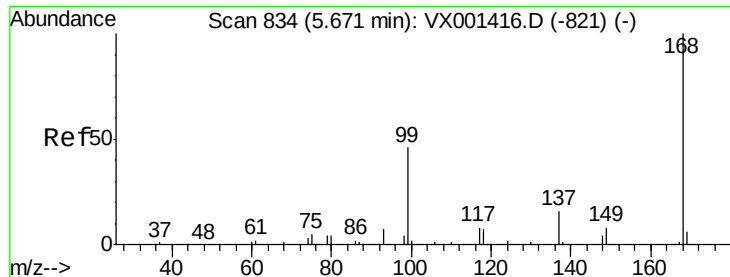
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

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: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

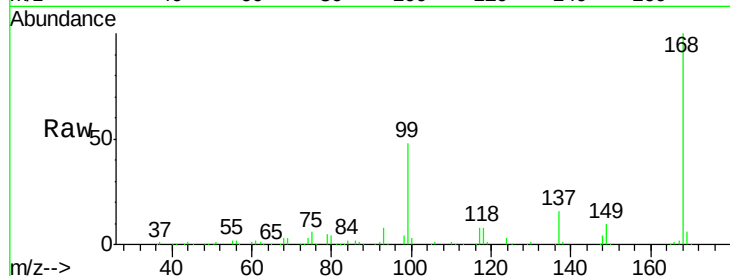
PB109200ZHE#10

Tgt Ion:168 Resp: 267237

Ion Ratio Lower Upper

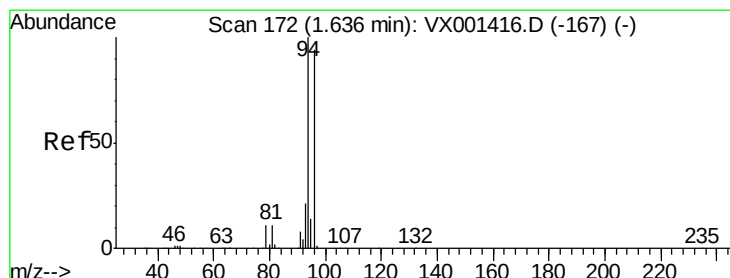
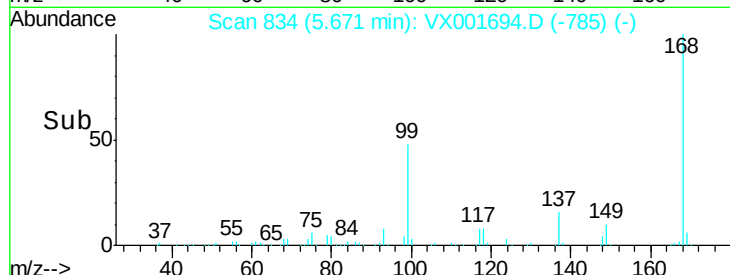
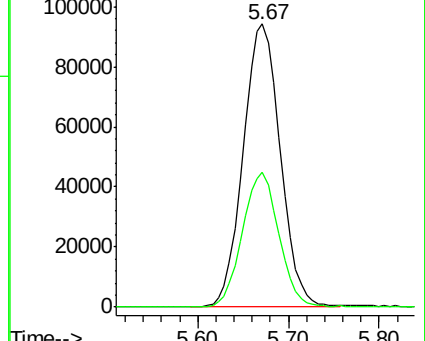
168 100

99 47.8 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: VX001694.D

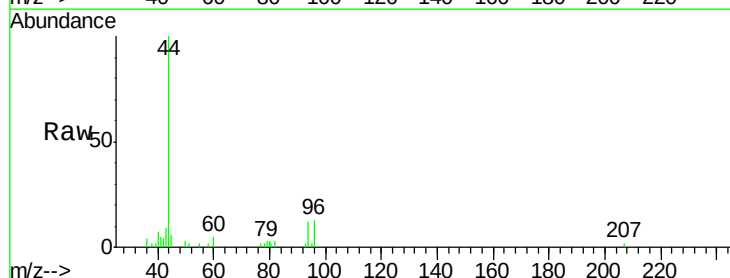
Acq: 13 May 2018 03:47

Tgt Ion: 94 Resp: 752

Ion Ratio Lower Upper

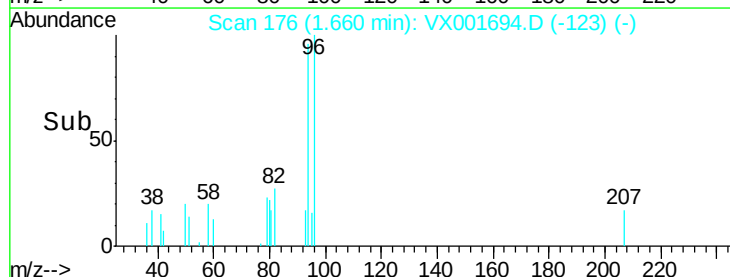
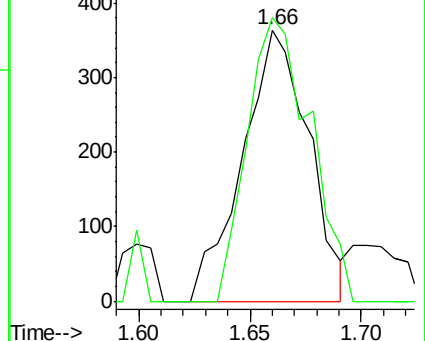
94 100

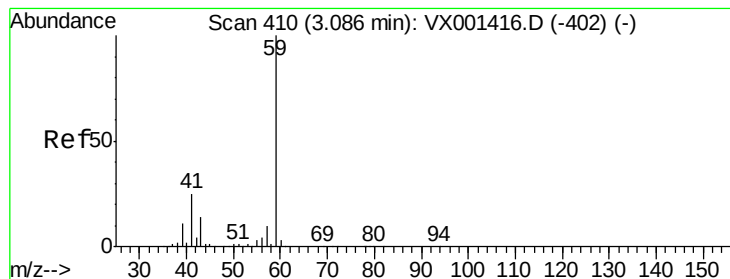
96 104.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: 2.27 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

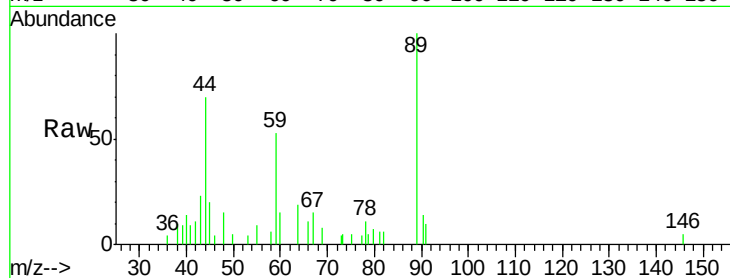
PB109200ZHE#10

Tgt Ion: 59 Resp: 1835

Ion Ratio Lower Upper

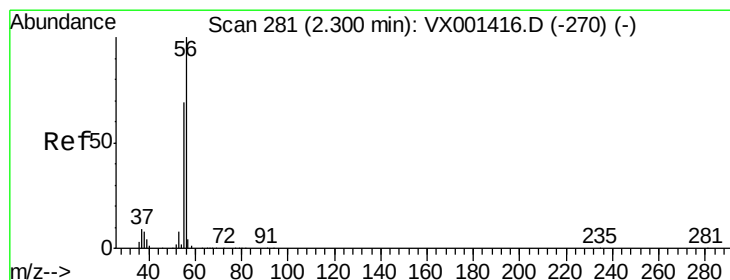
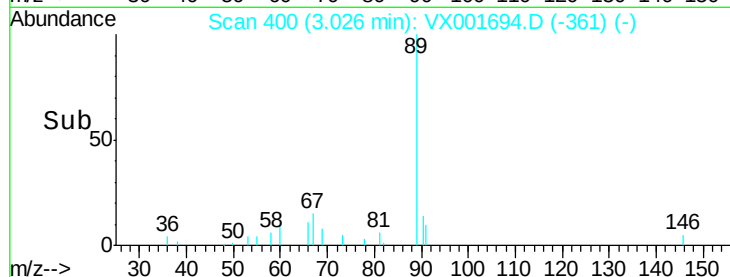
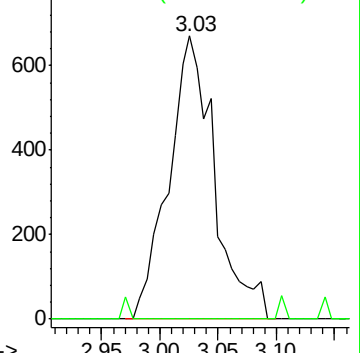
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001694.D

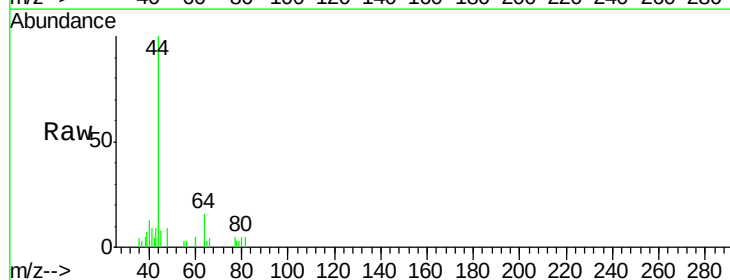
Acq: 13 May 2018 03:47

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

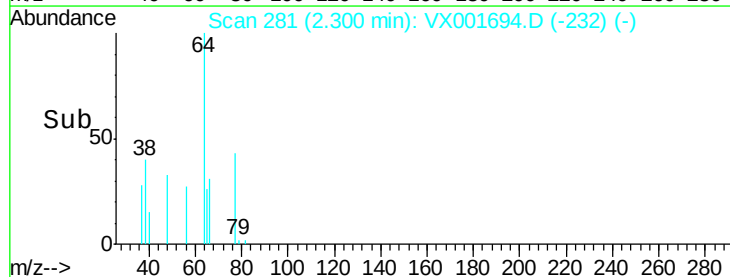
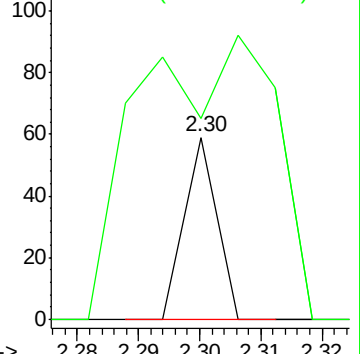
56 100

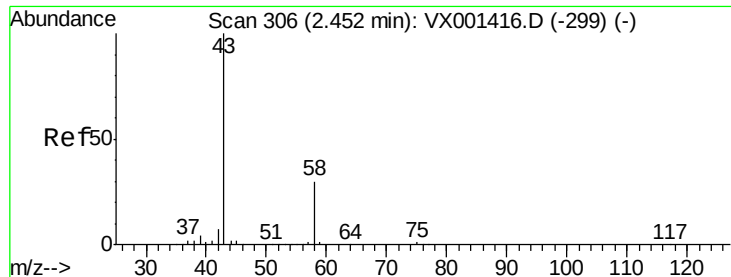
55 645.5 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.43 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

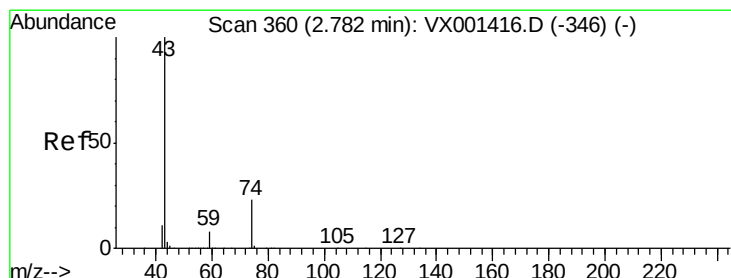
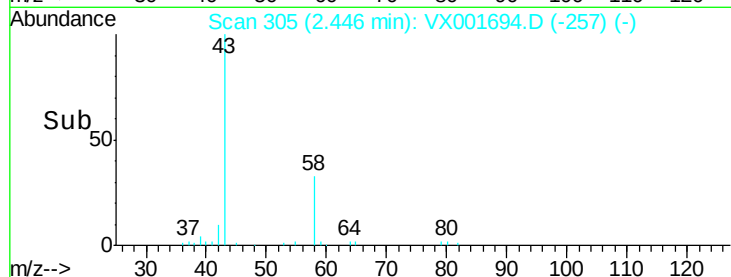
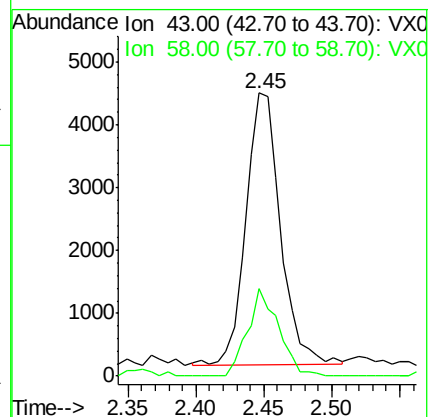
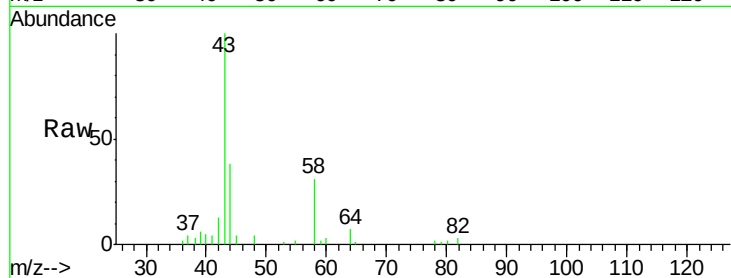
PB109200ZHE#10

Tgt Ion: 43 Resp: 7727

Ion Ratio Lower Upper

43 100

58 32.3 23.8 35.8



#18

Methyl Acetate

Concen: 4.95 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001694.D

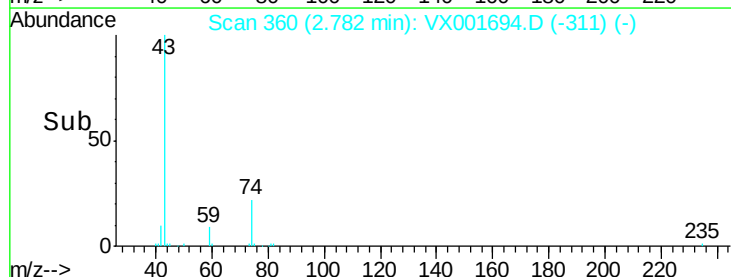
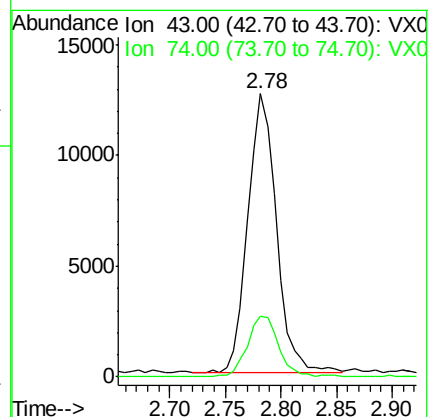
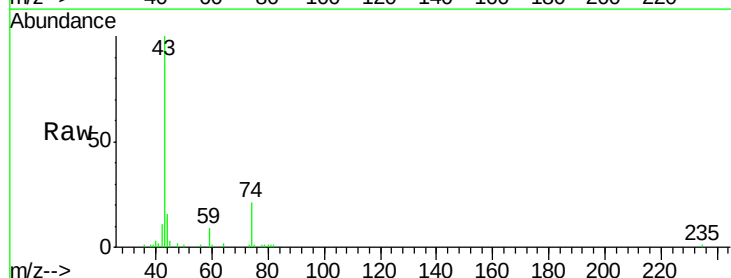
Acq: 13 May 2018 03:47

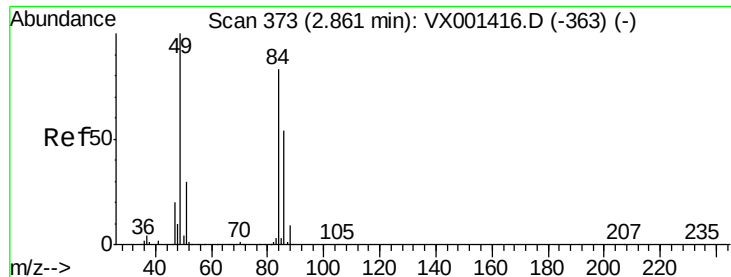
Tgt Ion: 43 Resp: 22668

Ion Ratio Lower Upper

43 100

74 23.4 18.6 27.8





#20

Methylene Chloride

Concen: 0.77 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

Tgt Ion: 84 Resp: 2659

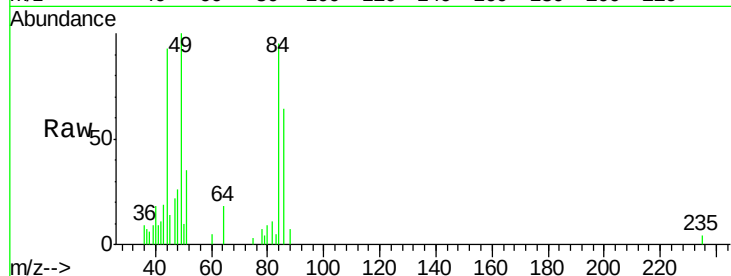
Ion Ratio Lower Upper

84 100

49 105.8 96.6 144.8

51 37.3 29.0 43.4

86 67.7 52.2 78.4

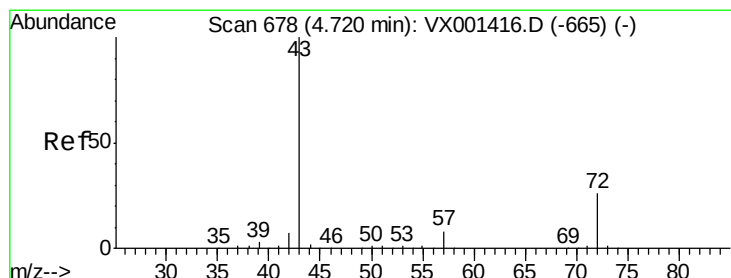
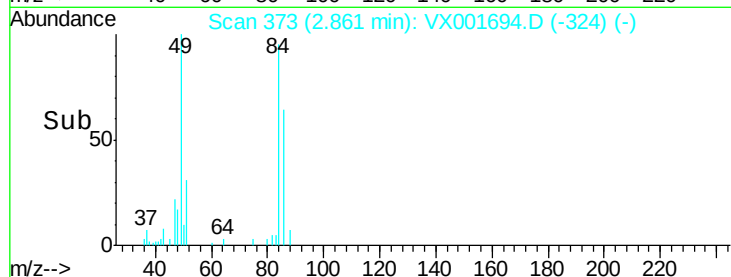
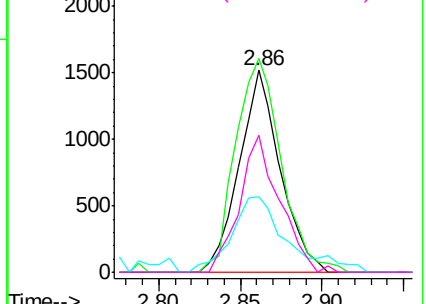


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001694.D

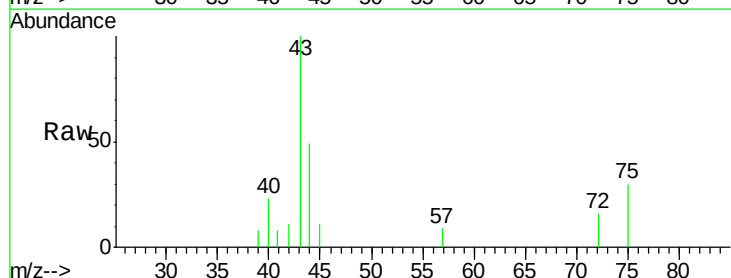
Acq: 13 May 2018 03:47

Tgt Ion: 43 Resp: 2060

Ion Ratio Lower Upper

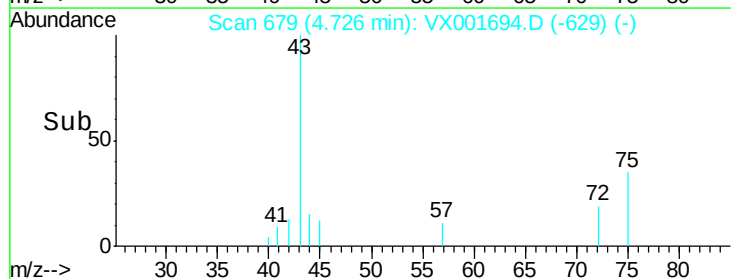
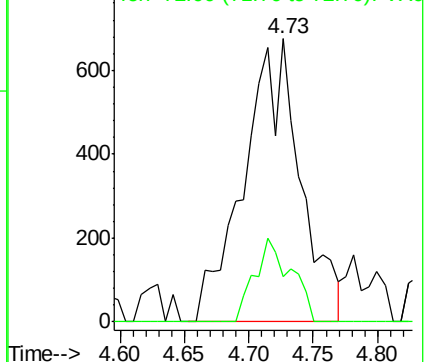
43 100

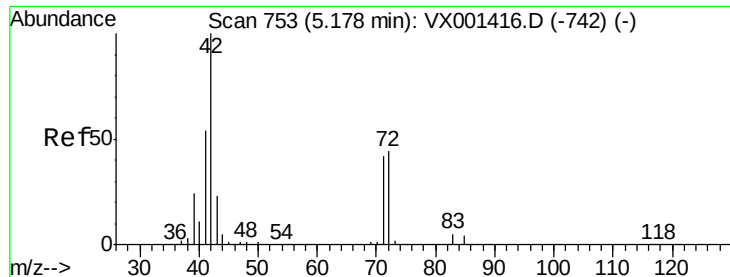
72 16.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

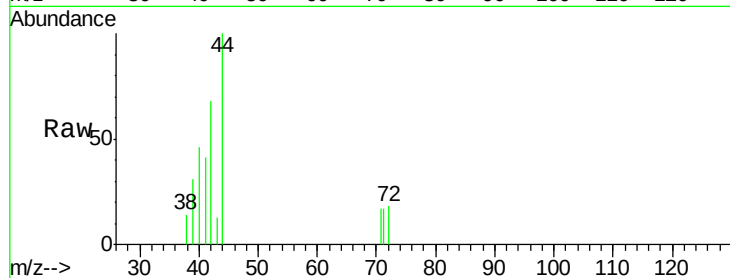
Tgt Ion: 42 Resp: 748

Ion Ratio Lower Upper

42 100

72 6.4 35.4 53.2#

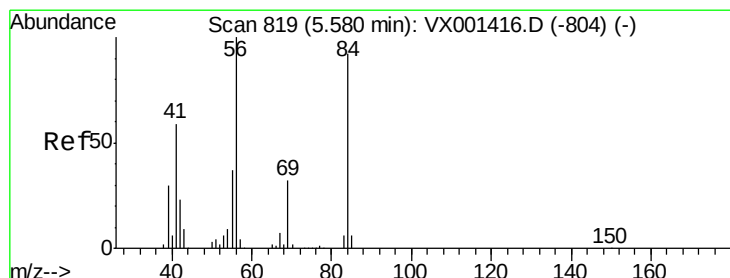
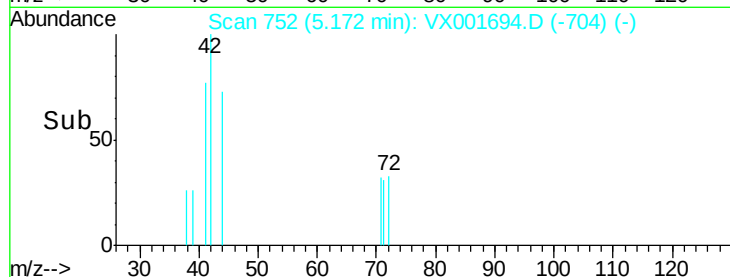
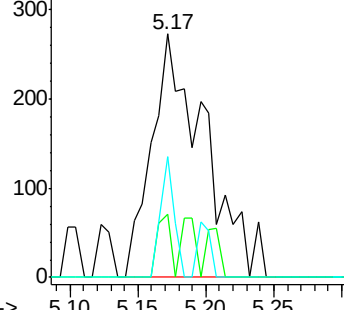
71 12.7 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

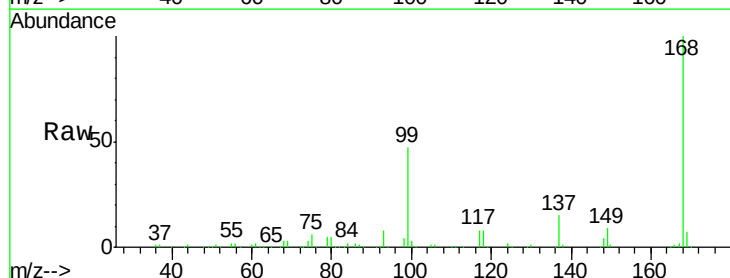
Tgt Ion: 56 Resp: 4561

Ion Ratio Lower Upper

56 100

69 167.7 25.4 38.0#

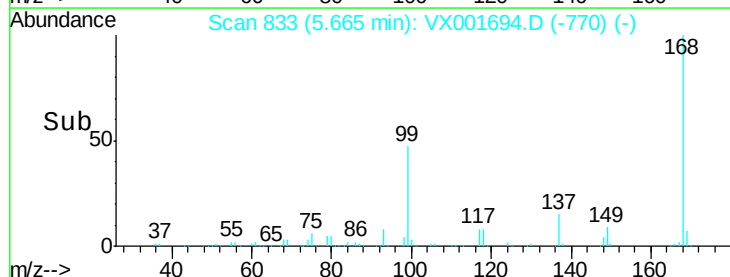
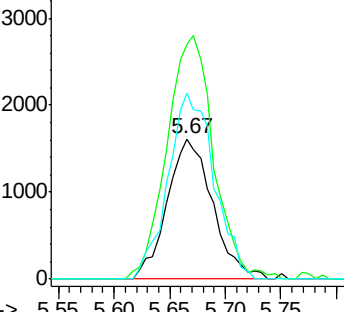
84 132.6 73.8 110.8#

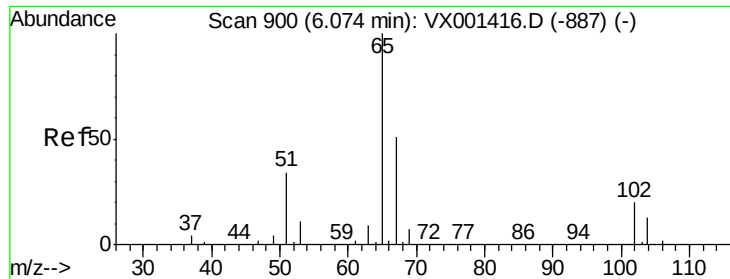


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

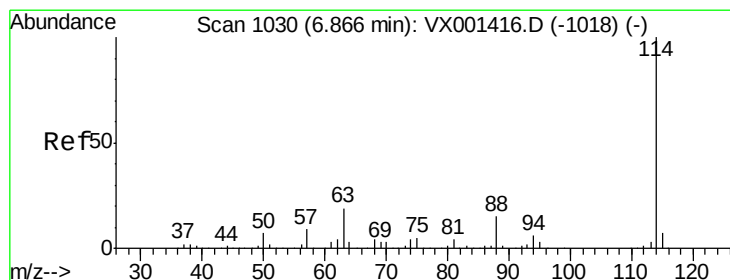
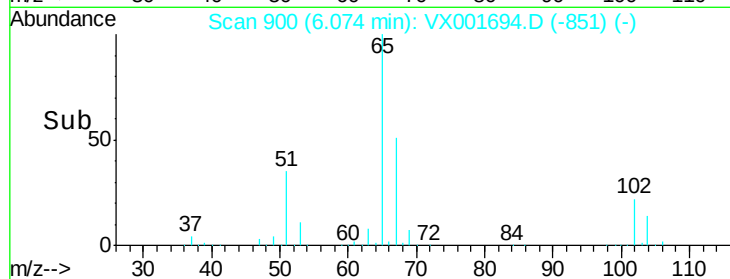
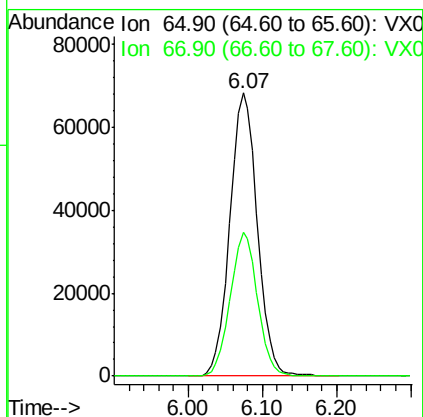
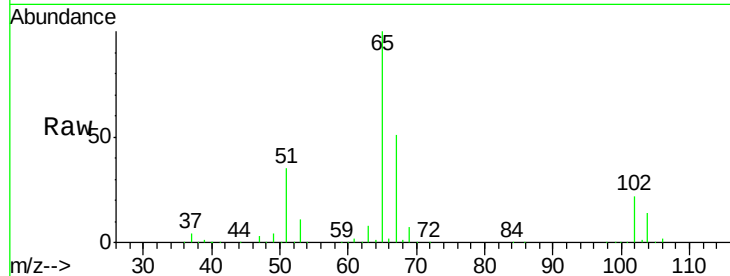




#33
 1,2-Dichloroethane-d4
 Concen: 45.94 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001694.D
 Acq: 13 May 2018 03:47

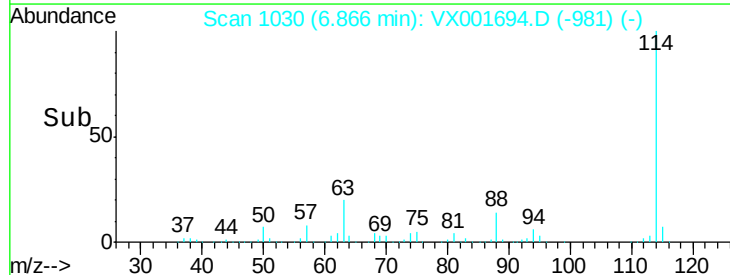
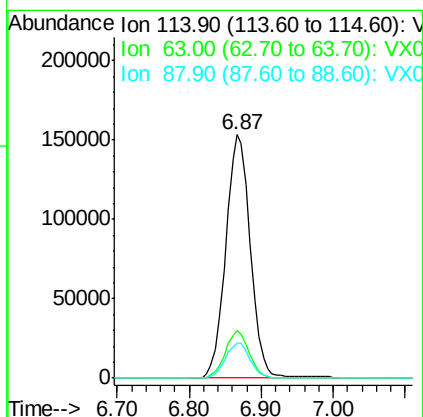
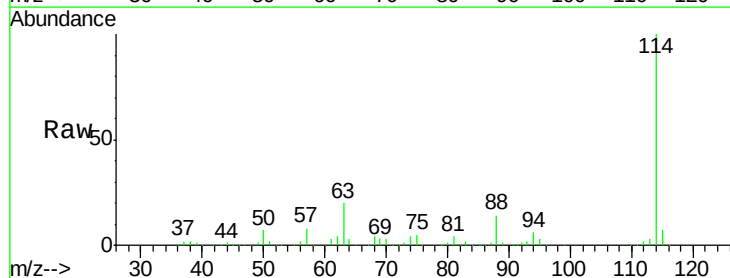
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#10

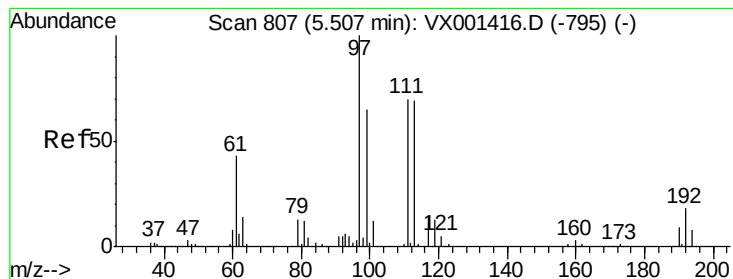
Tgt Ion: 65 Resp: 176450
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001694.D
 Acq: 13 May 2018 03:47

Tgt Ion: 114 Resp: 365802
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 14.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.93 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

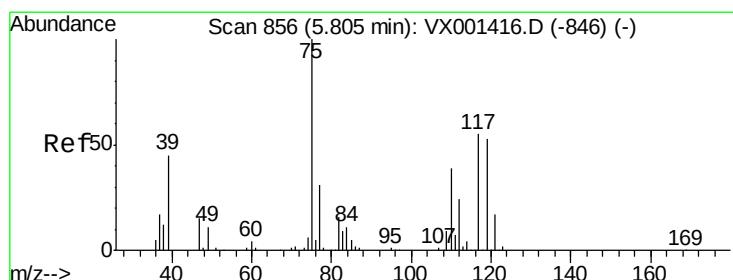
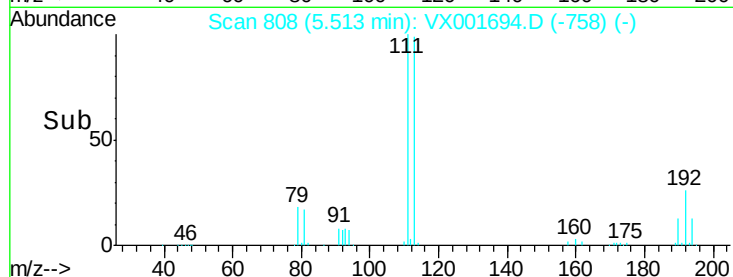
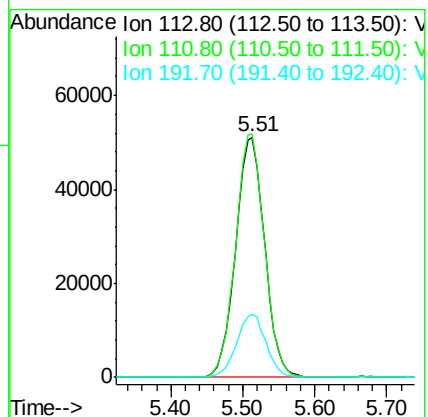
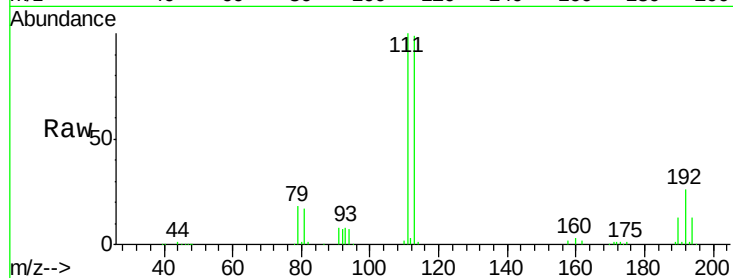
Tgt Ion:113 Resp: 142944

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.2

192 26.5 21.4 32.0



#36

1,1-Dichloropropene

Concen: 3.52 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

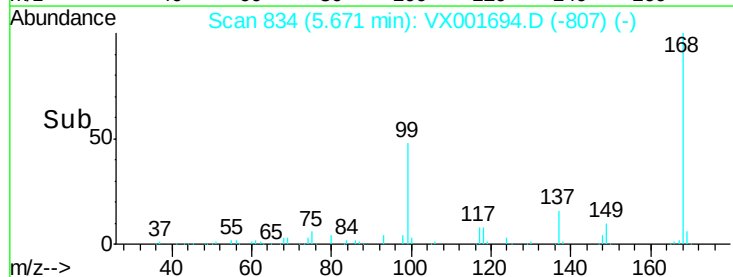
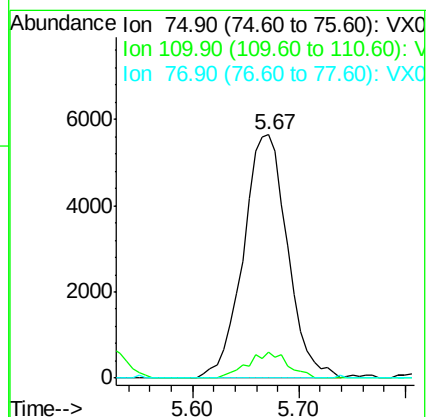
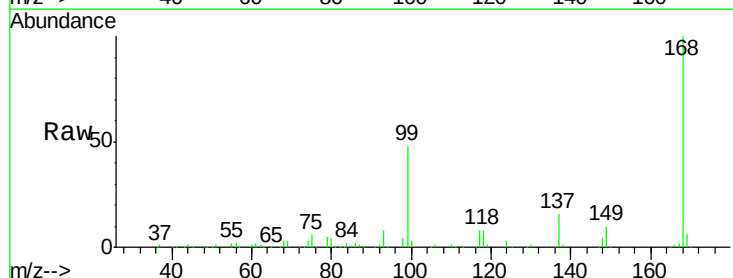
Tgt Ion: 75 Resp: 16394

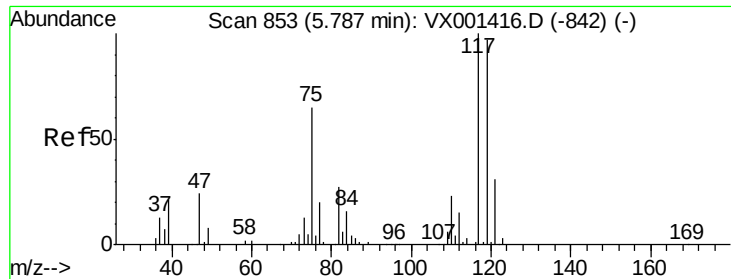
Ion Ratio Lower Upper

75 100

110 9.6 18.9 56.7#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

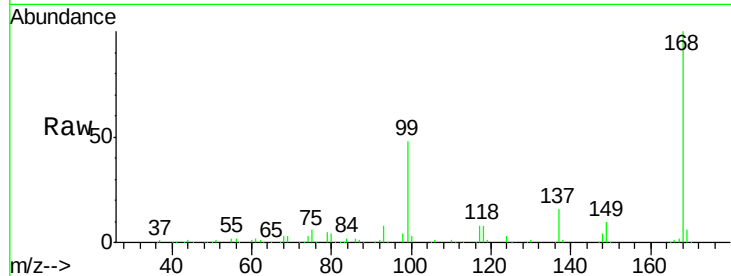
Tgt Ion:117 Resp: 22850

Ion Ratio Lower Upper

117 100

119 7.8 77.0 115.6#

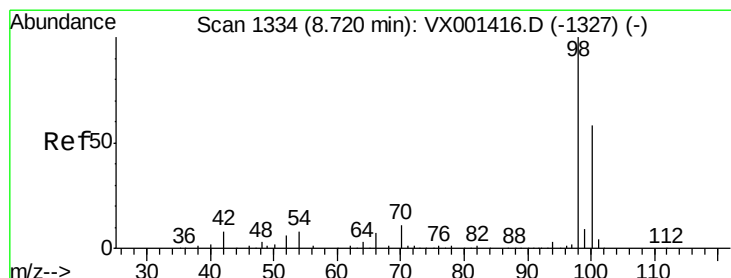
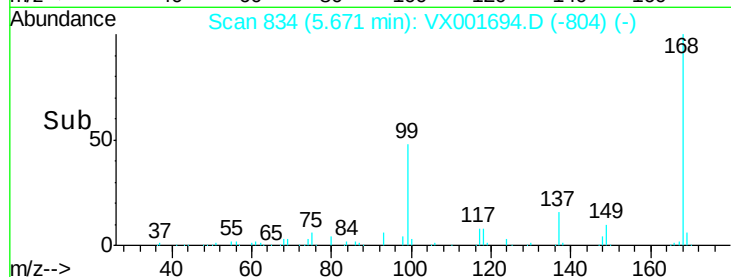
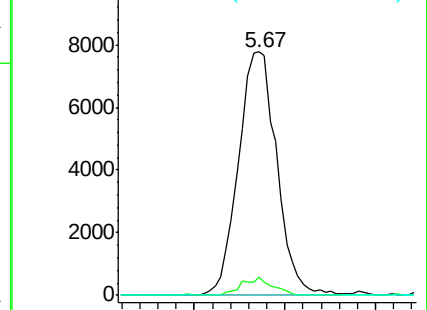
121 0.0 25.1 37.7#



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: 42.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001694.D

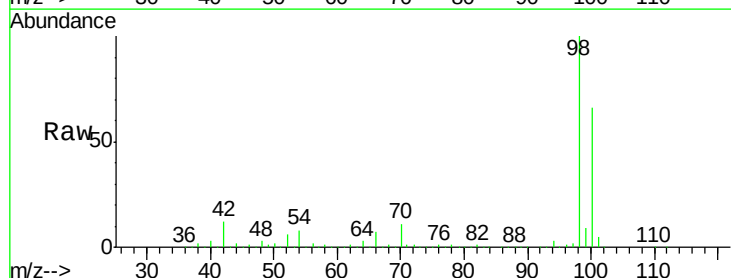
Acq: 13 May 2018 03:47

Tgt Ion: 98 Resp: 506800

Ion Ratio Lower Upper

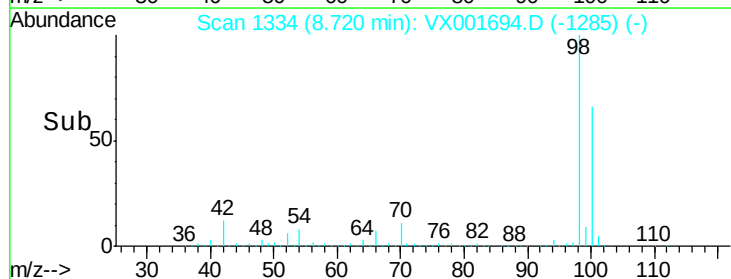
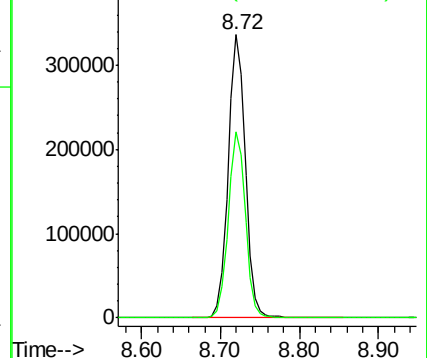
98 100

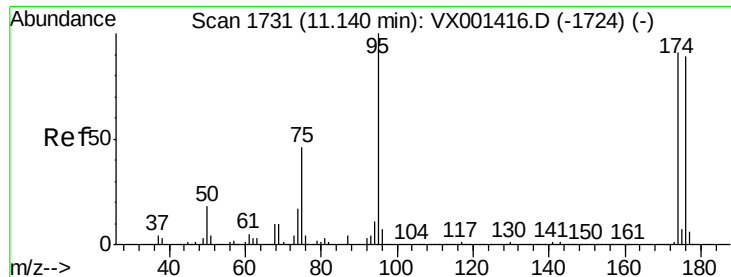
100 66.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

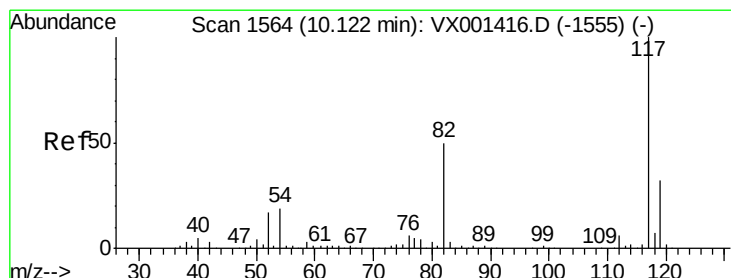
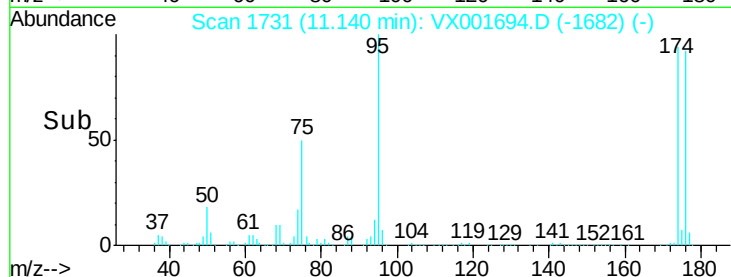
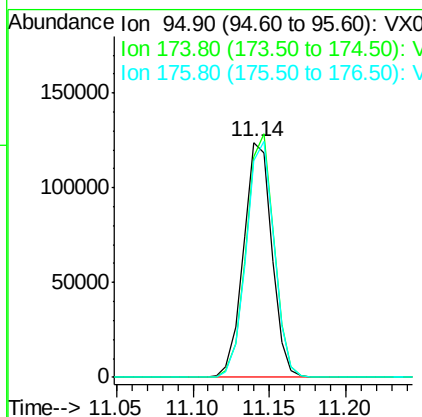
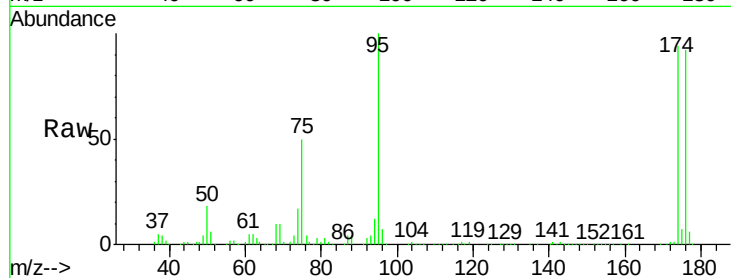




#62
4-Bromofluorobenzene
Concen: 34.79 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001694.D
Acq: 13 May 2018 03:47

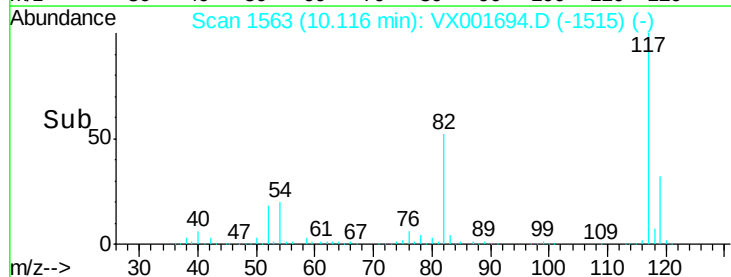
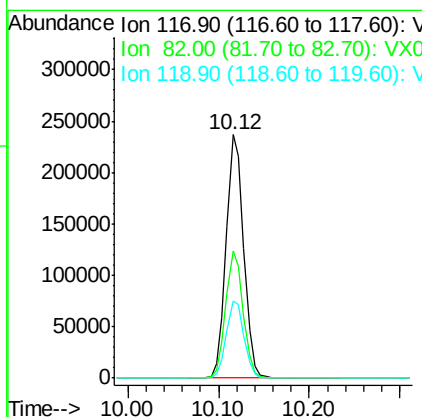
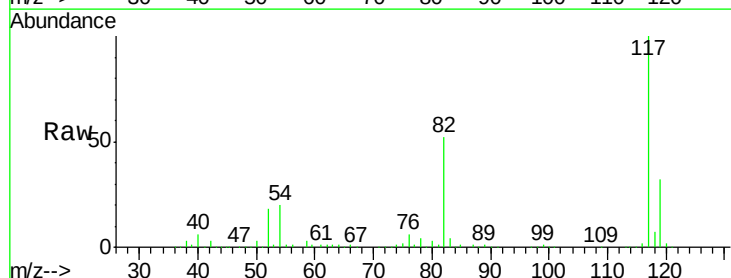
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#10

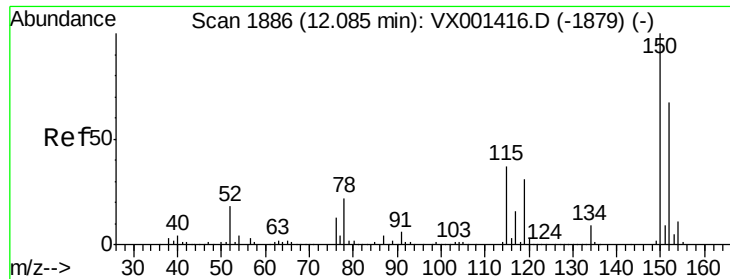
Tgt Ion: 95 Resp: 158595
Ion Ratio Lower Upper
95 100
174 102.2 0.0 202.0
176 99.7 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001694.D
Acq: 13 May 2018 03:47

Tgt Ion: 117 Resp: 317061
Ion Ratio Lower Upper
117 100
82 52.1 40.0 60.0
119 31.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

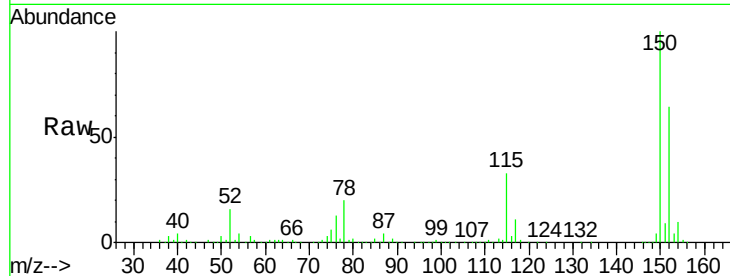
Tgt Ion:152 Resp: 171097

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

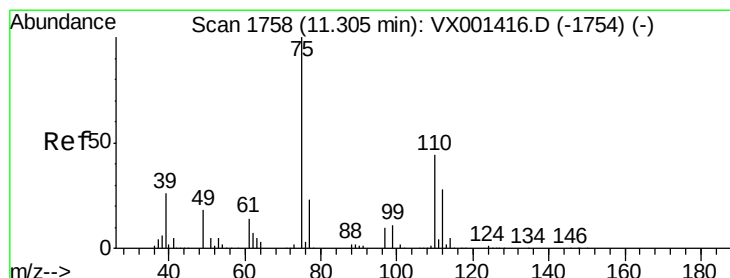
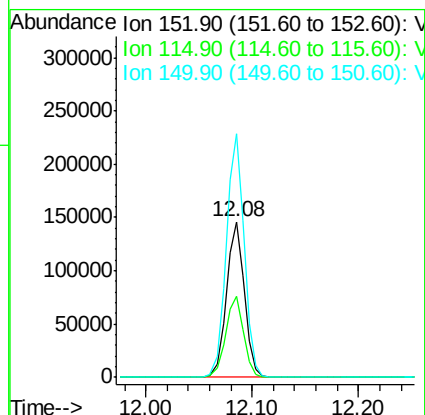
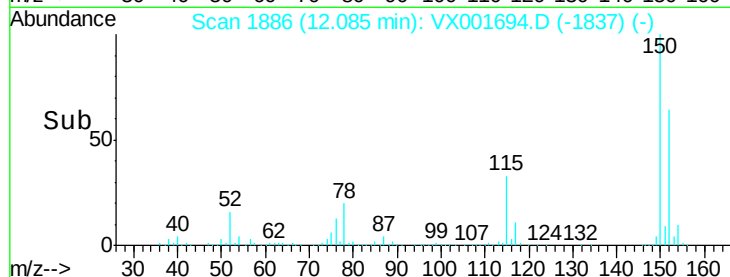
150 156.9 0.0 349.4



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: 22.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001694.D

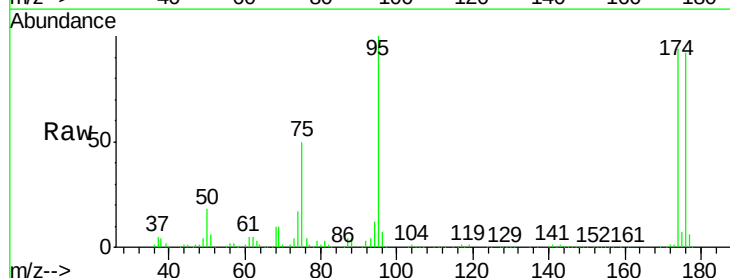
Acq: 13 May 2018 03:47

Tgt Ion: 75 Resp: 77287

Ion Ratio Lower Upper

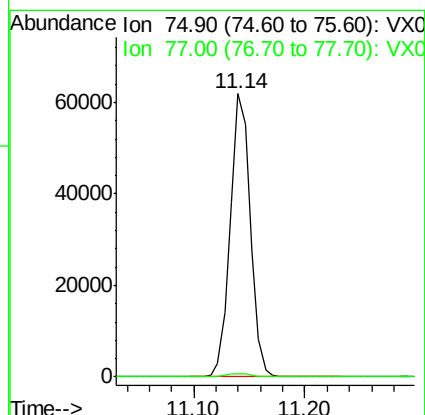
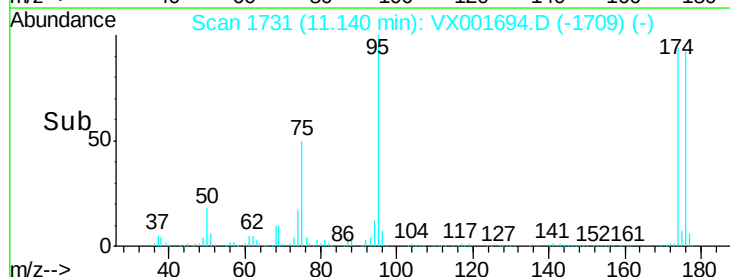
75 100

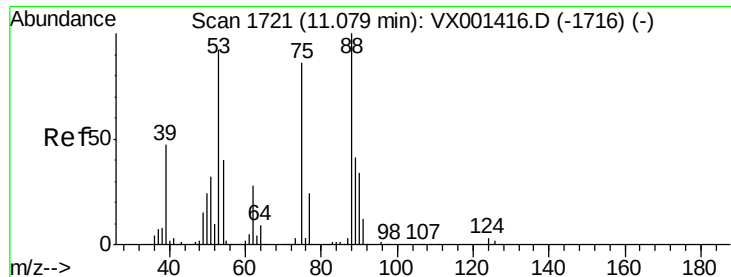
77 1.4 19.6 58.7#



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: 69.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001694.D

Acq: 13 May 2018 03:47

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#10

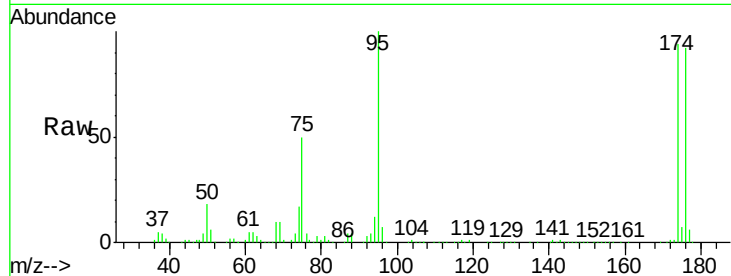
Tgt Ion: 75 Resp: 77287

Ion Ratio Lower Upper

75 100

53 0.0 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

