

Data File : VX001704.D
Acq On : 13 May 2018 08:12
Operator : JC/MD
Sample : PB109200ZHE#20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#20

Quant Time: May 14 06:14:10 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	275711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178727	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	181344	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	5.51	113	146654	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	
50) Toluene-d8	8.72	98	523280	43.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.34%	
62) 4-Bromofluorobenzene	11.14	95	165762	35.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.24%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	590	Below Cal	#	79
11) Tert butyl alcohol	3.03	59	1792	2.14	ug/l	# 72
13) Acrolein	2.29	56	78	Below Cal	#	1
16) Acetone	2.45	43	7431	4.13	ug/l	99
18) Methyl Acetate	2.78	43	22792	4.82	ug/l	98
20) Methylene Chloride	2.86	84	2760	0.77	ug/l	89
25) 2-Butanone	4.71	43	1616	0.62	ug/l	# 87
29) Tetrahydrofuran	5.17	42	407	0.24	ug/l	98
31) Cyclohexane	5.67	56	4368	0.86	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17111	3.60	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23231	4.59	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	79289	21.87	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	79289	68.05	ug/l	# 7

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

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Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#20

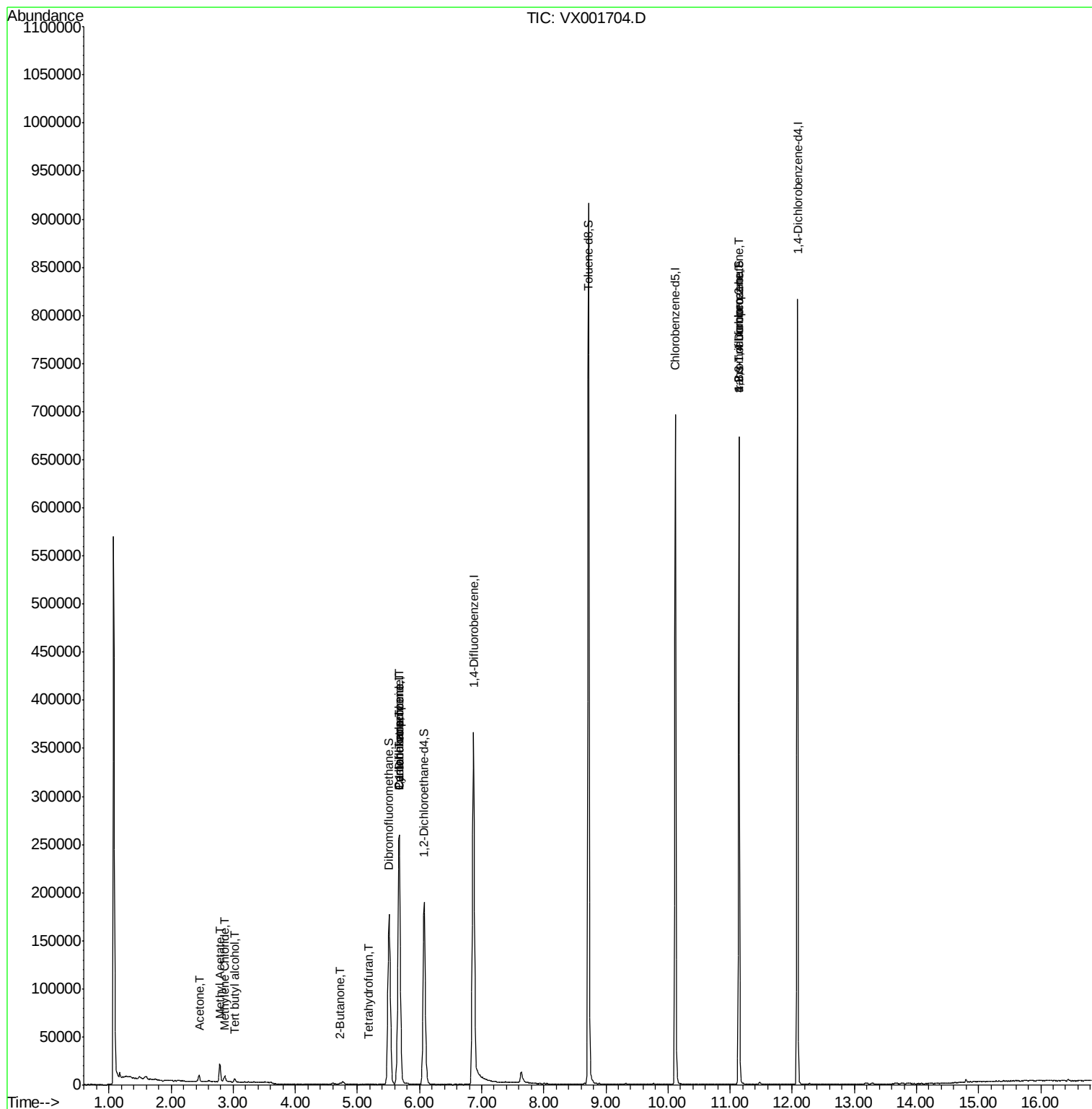
Quant Time: May 14 06:14:10 2018

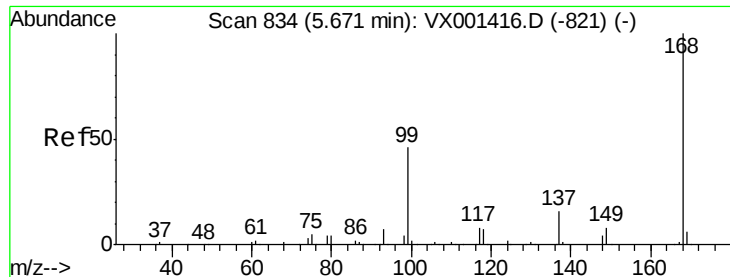
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

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: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

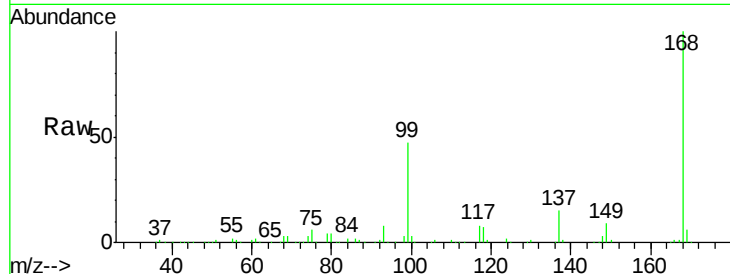
PB109200ZHE#20

Tgt Ion:168 Resp: 275711

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

5.67

100000

80000

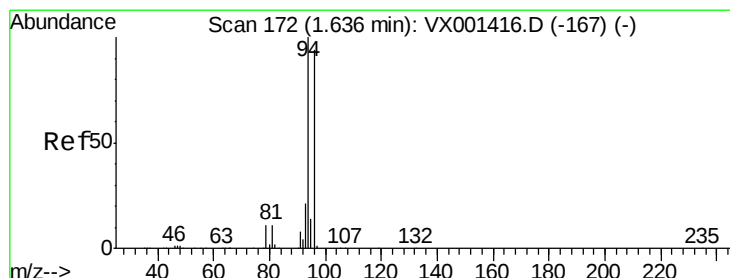
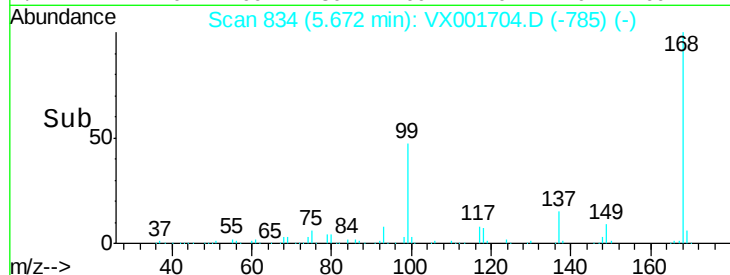
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001704.D

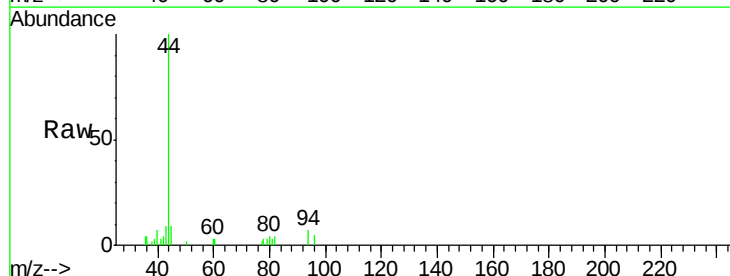
Acq: 13 May 2018 08:12

Tgt Ion: 94 Resp: 590

Ion Ratio Lower Upper

94 100

96 74.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

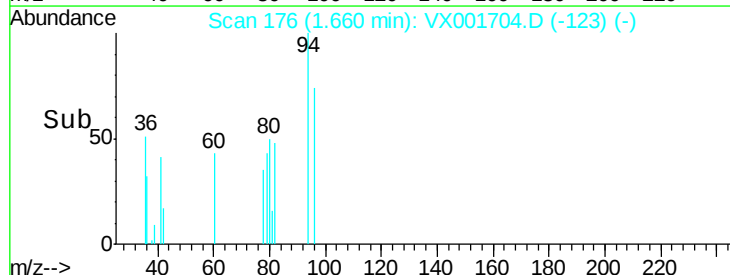
150

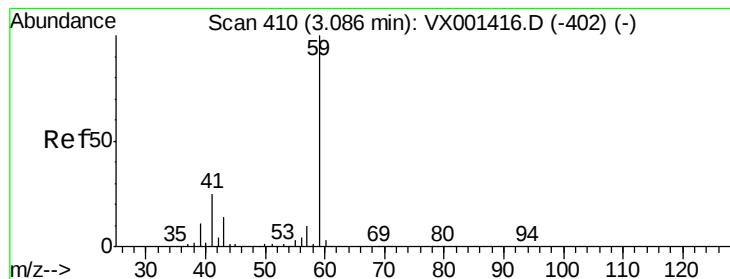
100

50

0

Time-->



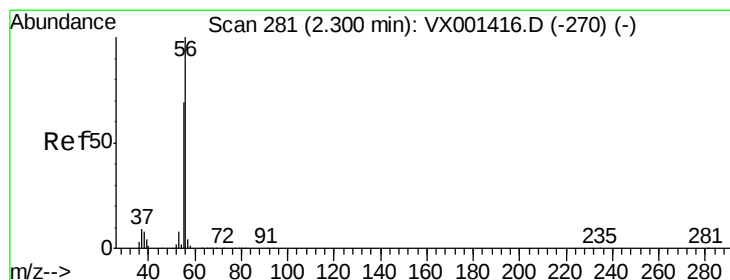
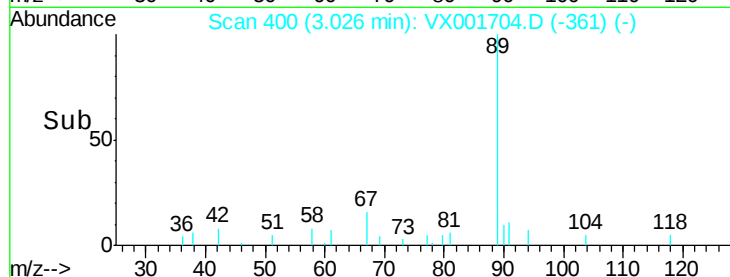
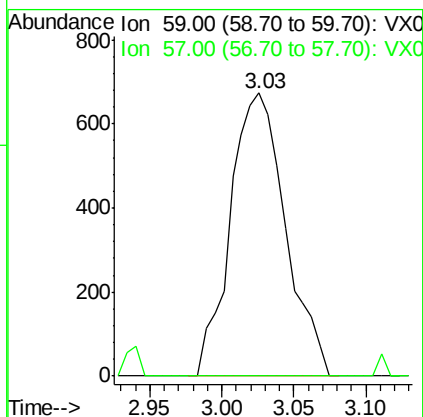
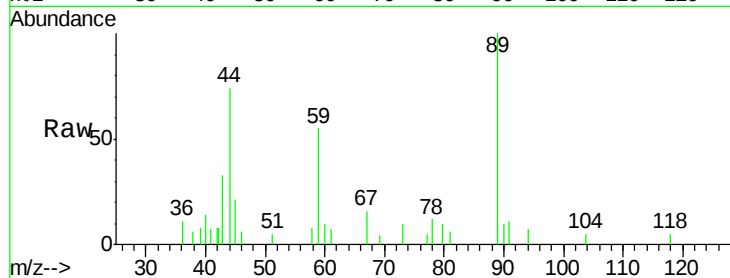


#11

Tert butyl alcohol
 Concen: 2.14 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.06 min
 Lab File: VX001704.D
 Acq: 13 May 2018 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#20

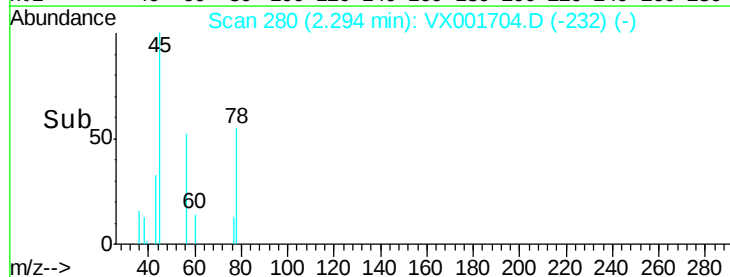
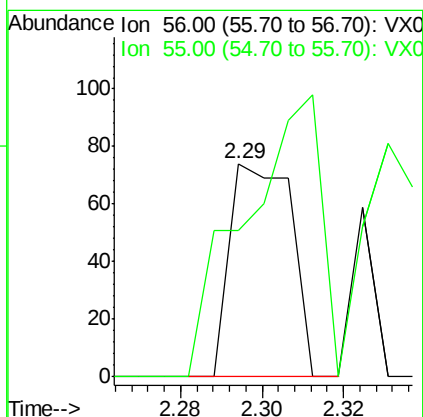
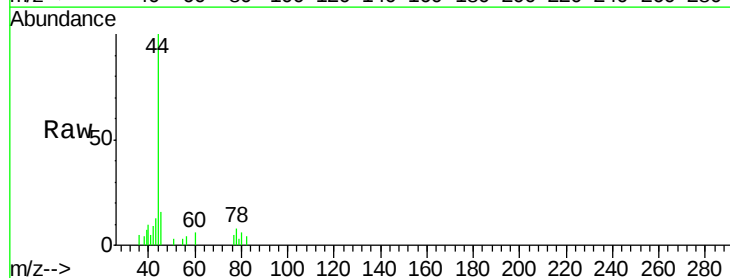
Tgt Ion: 59 Resp: 1792
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

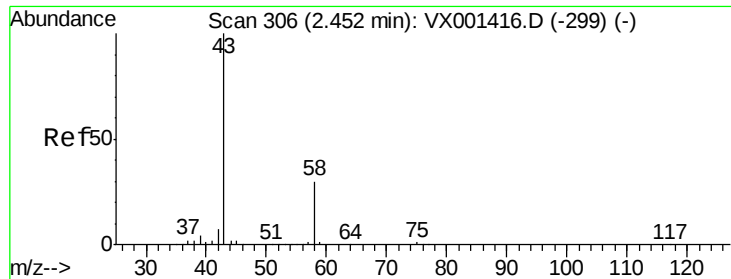


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001704.D
 Acq: 13 May 2018 08:12

Tgt Ion: 56 Resp: 78
 Ion Ratio Lower Upper
 56 100
 55 164.1 54.5 81.7#





#16

Acetone

Concen: 4.13 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

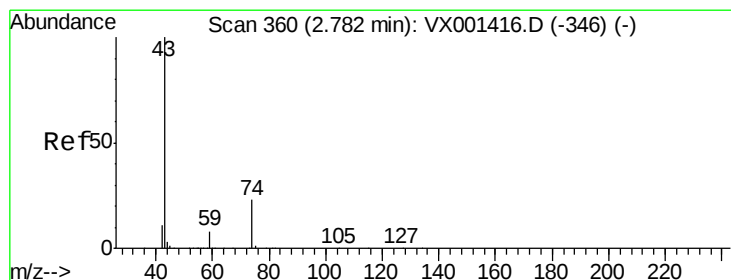
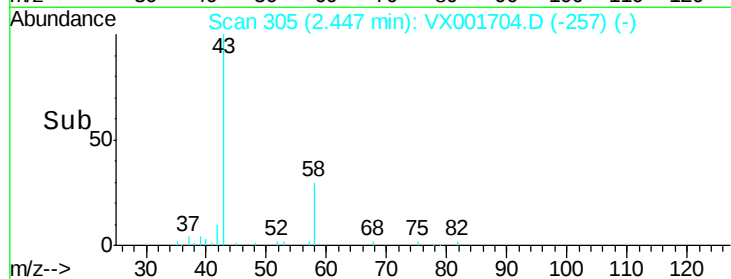
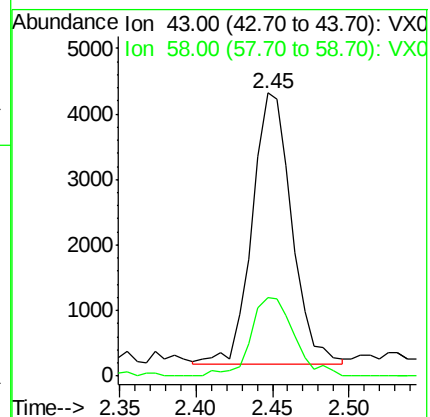
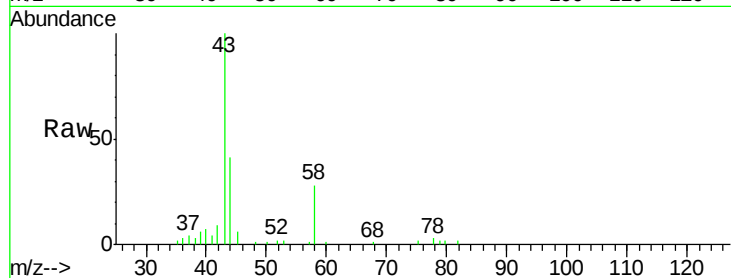
PB109200ZHE#20

Tgt Ion: 43 Resp: 7431

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.8



#18

Methyl Acetate

Concen: 4.82 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001704.D

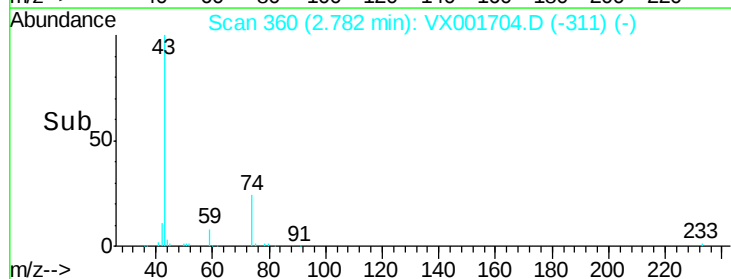
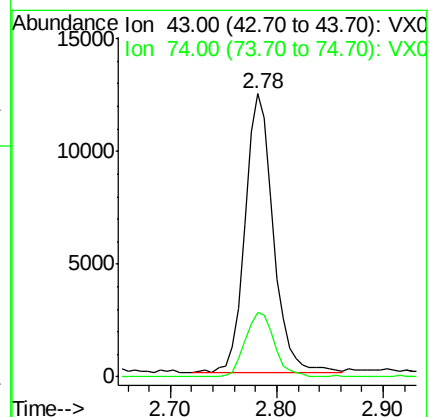
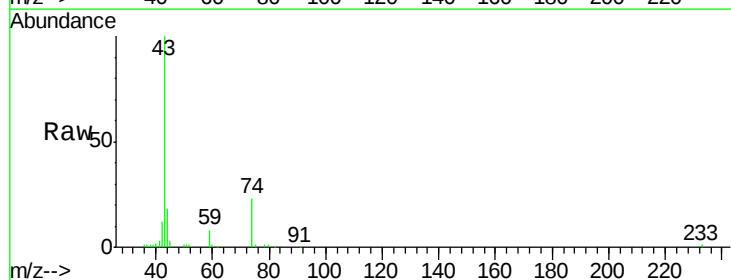
Acq: 13 May 2018 08:12

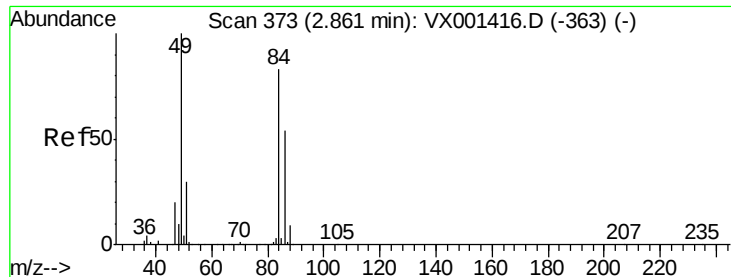
Tgt Ion: 43 Resp: 22792

Ion Ratio Lower Upper

43 100

74 24.1 18.6 27.8

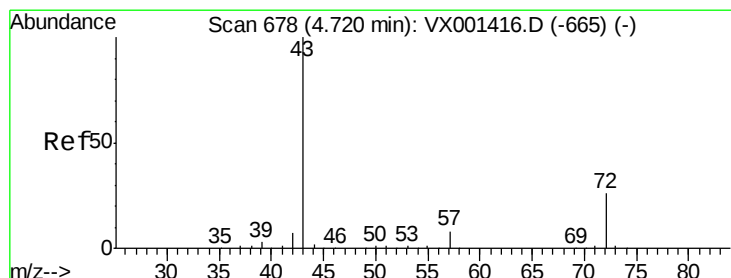
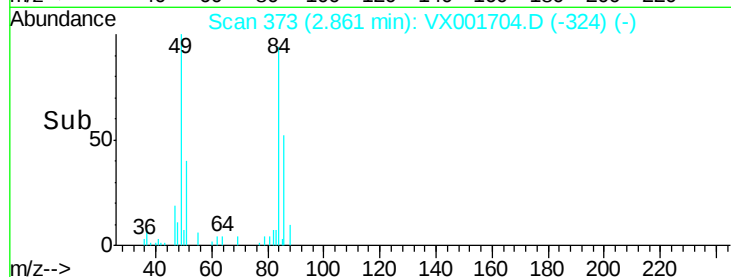
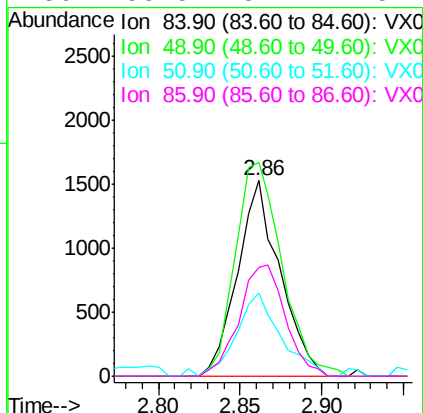
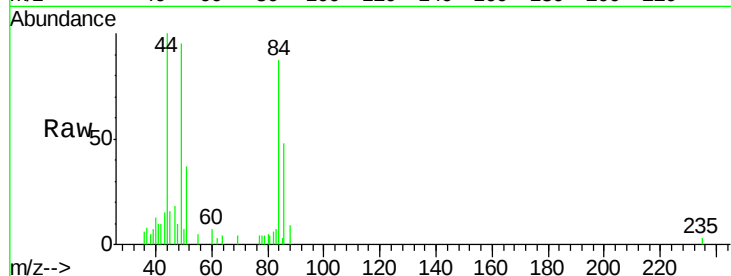




#20
Methylene Chloride
Concen: 0.77 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001704.D
Acq: 13 May 2018 08:12

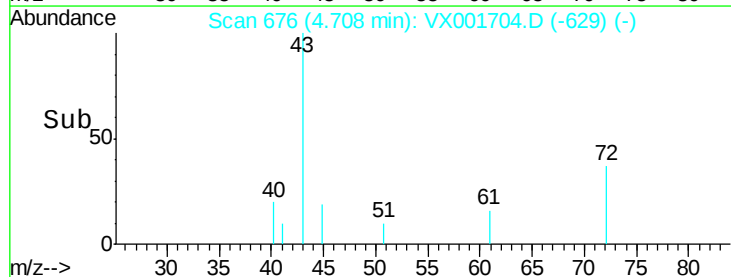
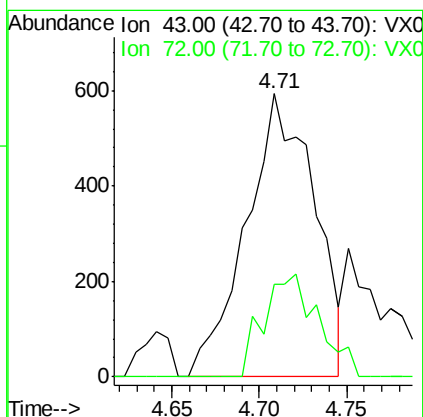
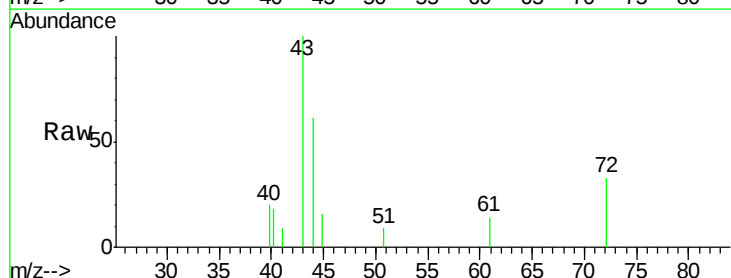
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#20

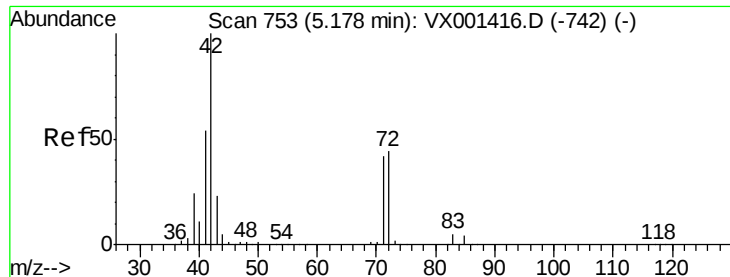
Tgt Ion:	84	Resp:	2760
Ion	Ratio	Lower	Upper
84	100		
49	109.4	96.6	144.8
51	42.6	29.0	43.4
86	55.5	52.2	78.4



#25
2-Butanone
Concen: 0.62 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX001704.D
Acq: 13 May 2018 08:12

Tgt Ion:	43	Resp:	1616
Ion	Ratio	Lower	Upper
43	100		
72	32.5	20.7	31.1#





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#20

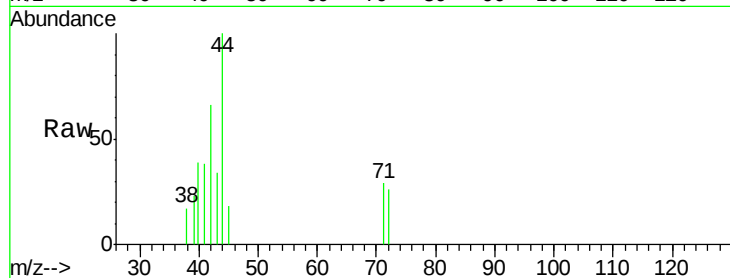
Tgt Ion: 42 Resp: 407

Ion Ratio Lower Upper

42 100

72 45.0 35.4 53.2

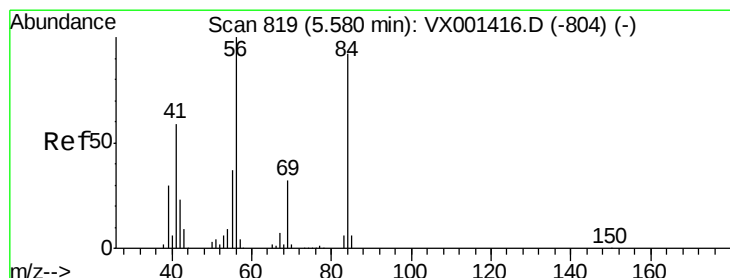
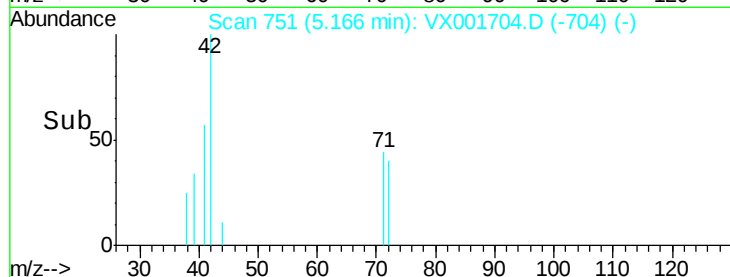
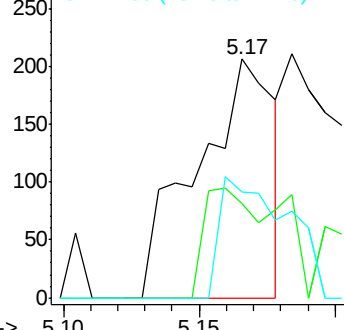
71 43.7 33.0 49.4



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: 0.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

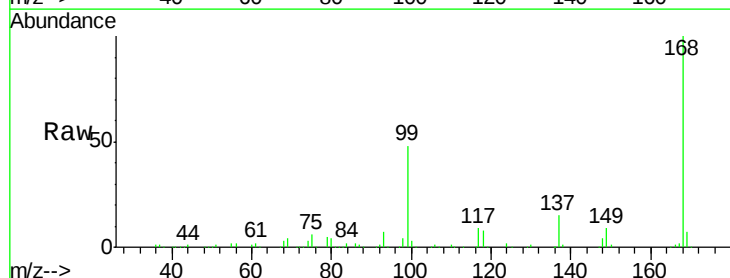
Tgt Ion: 56 Resp: 4368

Ion Ratio Lower Upper

56 100

69 200.2 25.4 38.0#

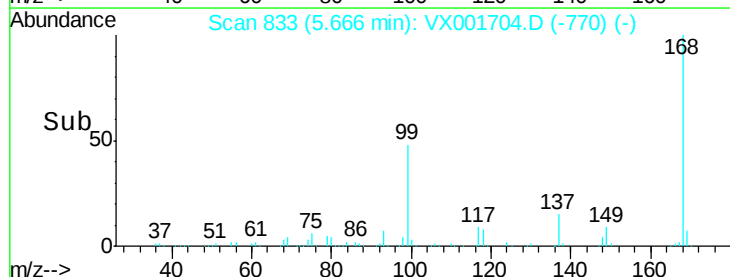
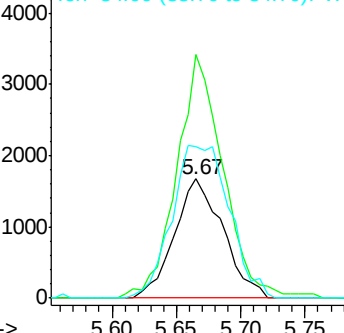
84 127.1 73.8 110.8#

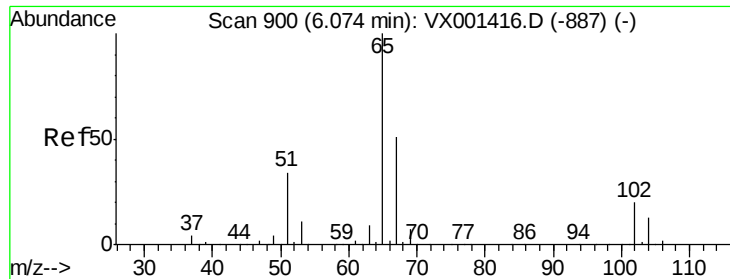


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

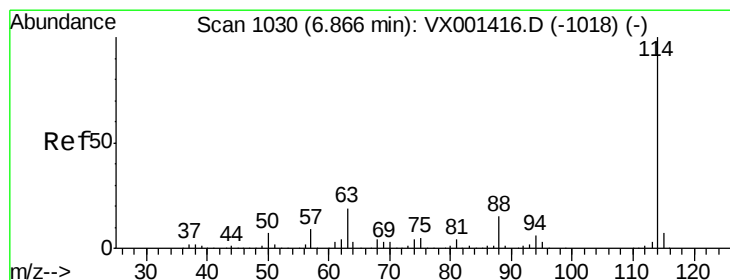
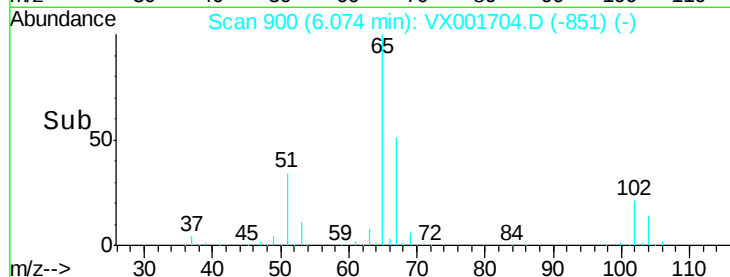
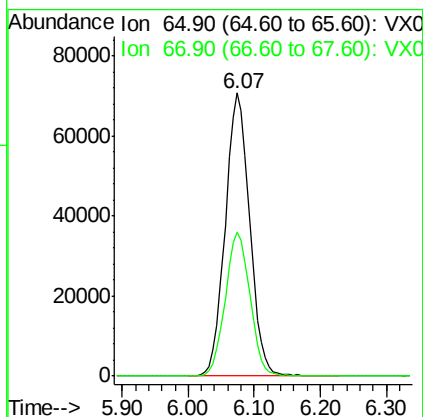
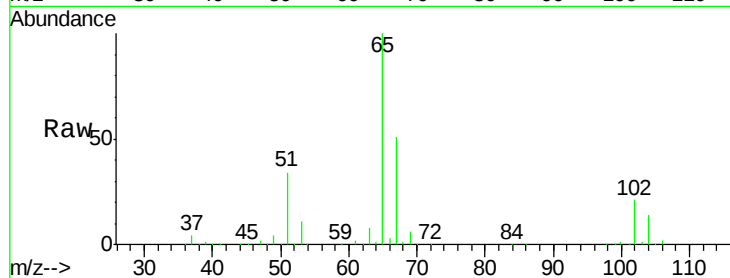




#33
 1,2-Dichloroethane-d4
 Concen: 45.76 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001704.D
 Acq: 13 May 2018 08:12

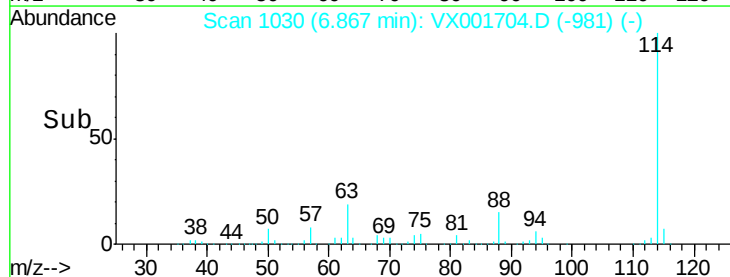
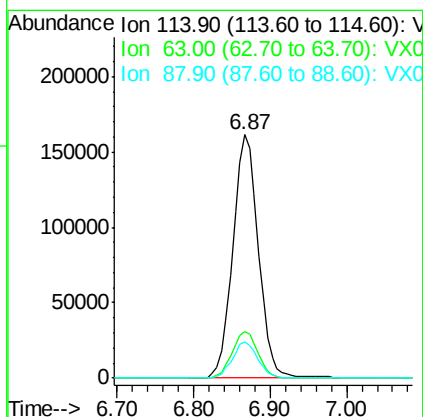
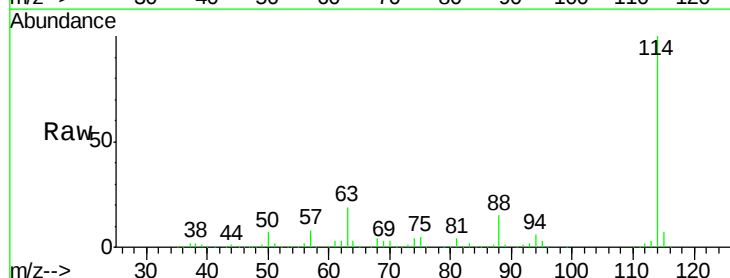
Instrument :
 MSVOA_X
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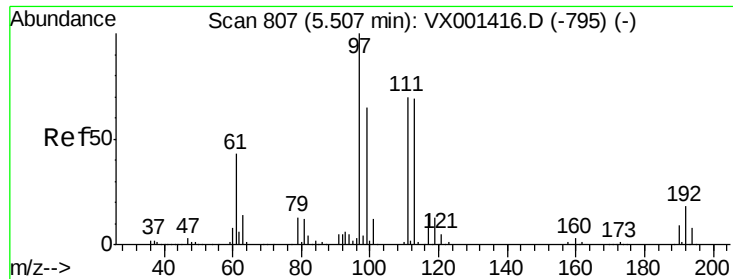
Tgt Ion: 65 Resp: 181344
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001704.D
 Acq: 13 May 2018 08:12

Tgt Ion: 114 Resp: 373351
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 14.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 44.16 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#20

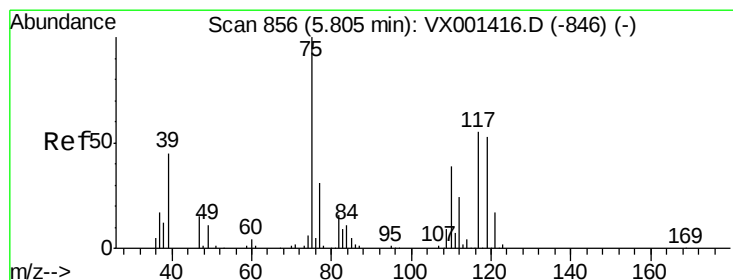
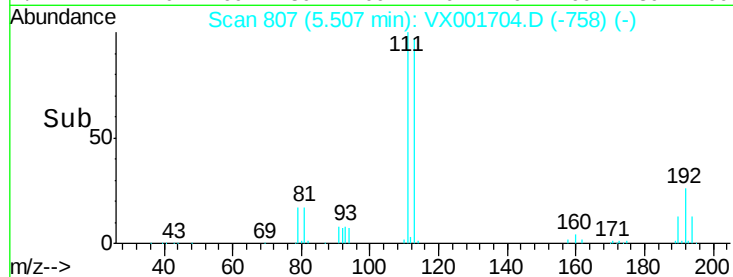
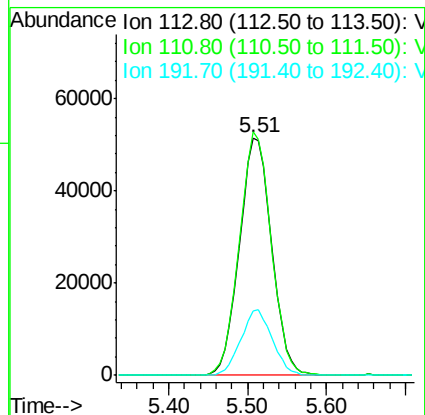
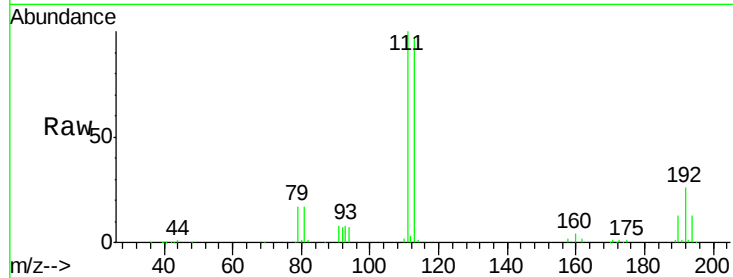
Tgt Ion:113 Resp: 146654

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

192 26.9 21.4 32.0



#36

1,1-Dichloropropene

Concen: 3.60 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

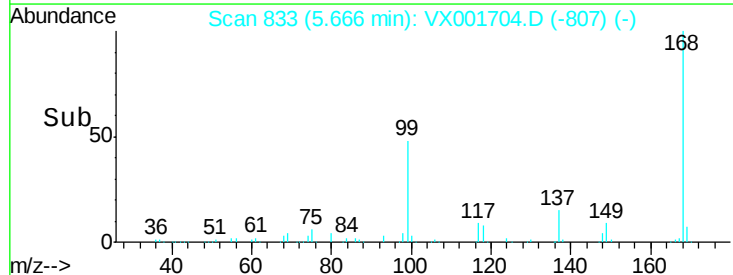
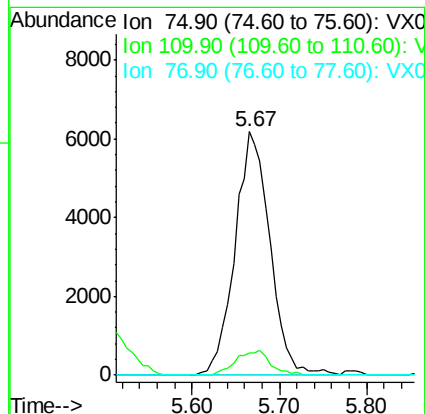
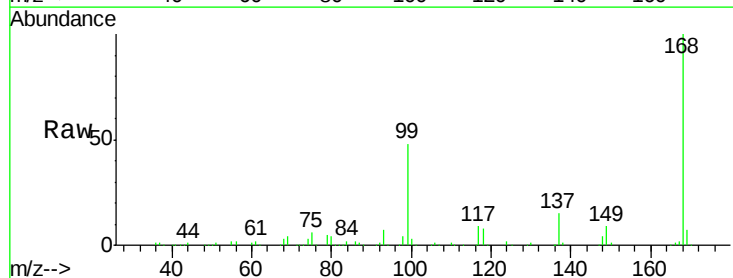
Tgt Ion: 75 Resp: 17111

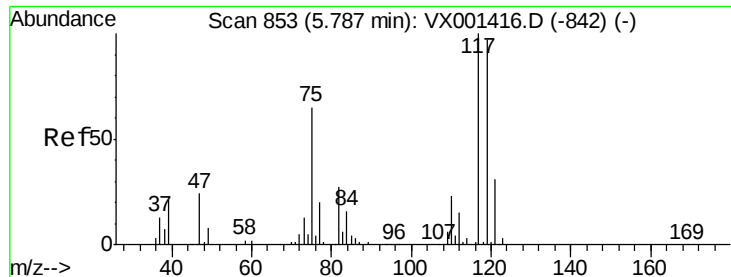
Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.7#

77 0.0 24.9 37.3#

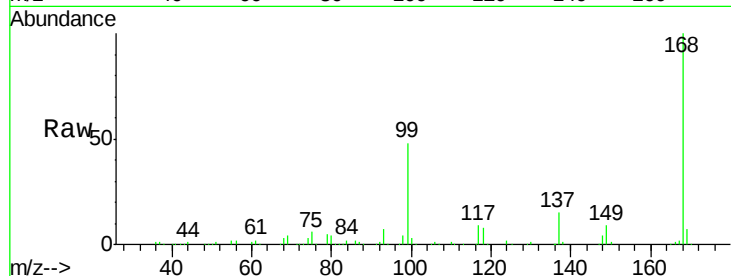




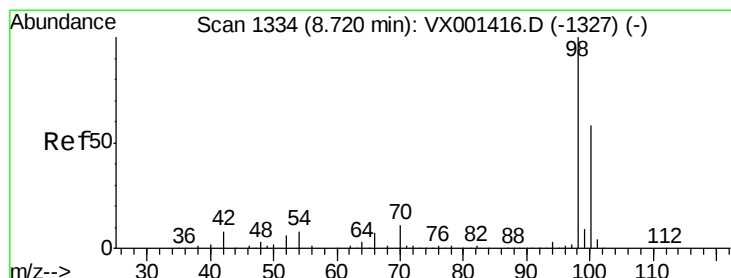
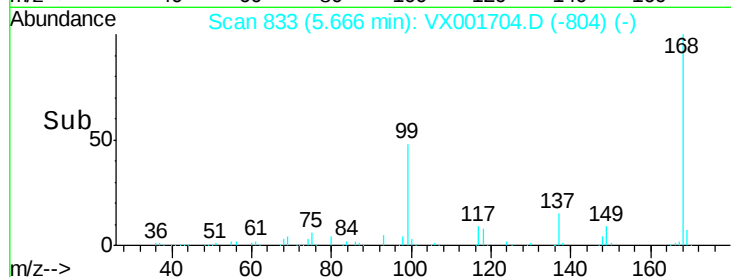
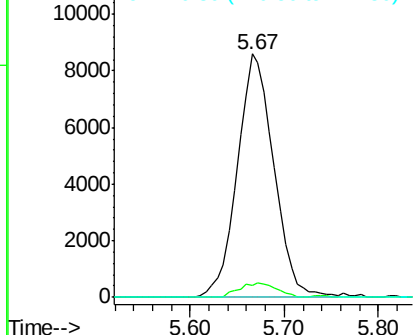
#38
Carbon Tetrachloride
Concen: 4.59 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001704.D
Acq: 13 May 2018 08:12

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#20

Tgt Ion: 117 Resp: 23231
Ion Ratio Lower Upper
117 100
119 5.1 77.0 115.6#
121 0.0 25.1 37.7#

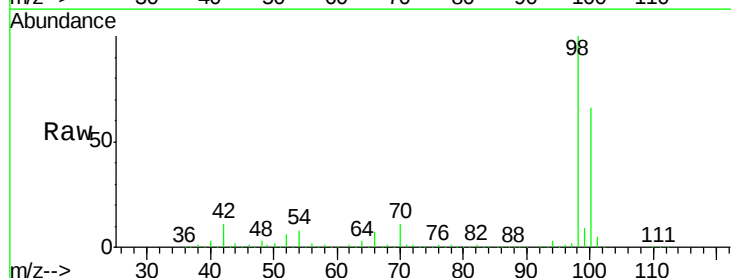


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

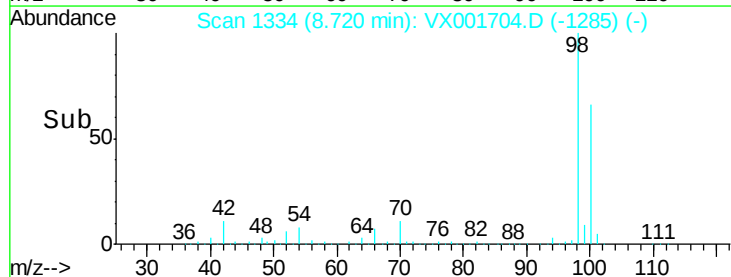
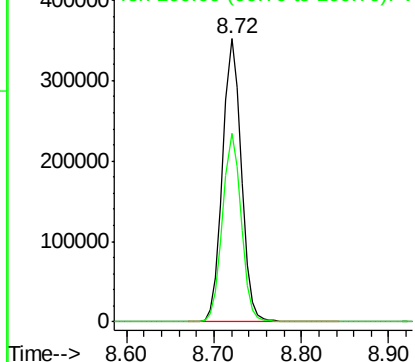


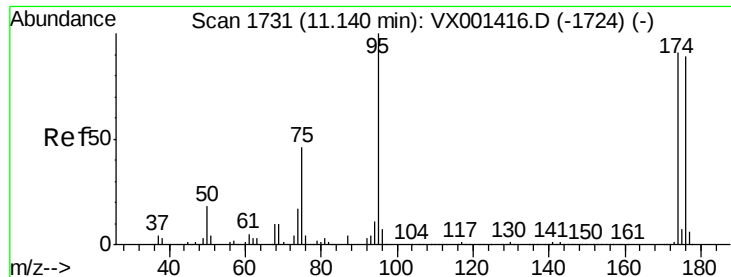
#50
Toluene-d8
Concen: 43.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001704.D
Acq: 13 May 2018 08:12

Tgt Ion: 98 Resp: 523280
Ion Ratio Lower Upper
98 100
100 66.2 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: 35.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#20

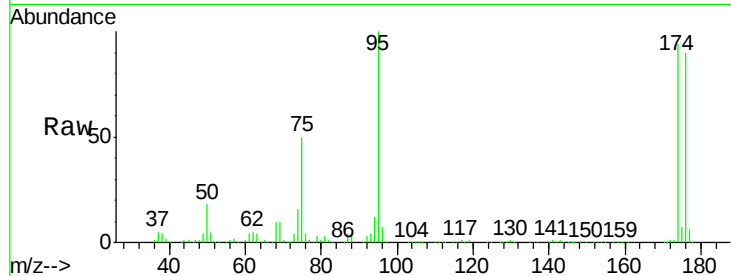
Tgt Ion: 95 Resp: 165762

Ion Ratio Lower Upper

95 100

174 101.7 0.0 202.0

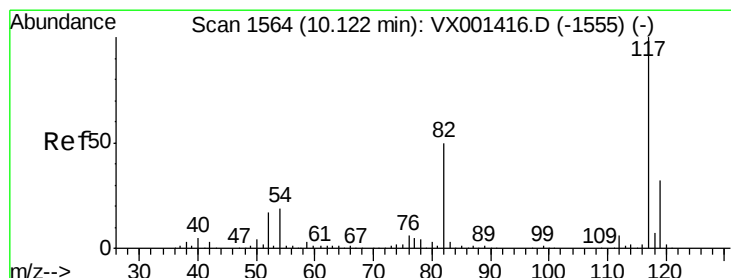
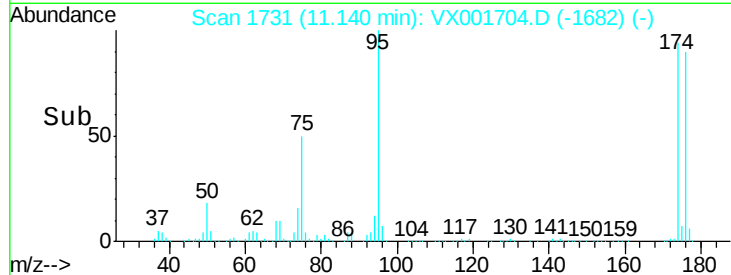
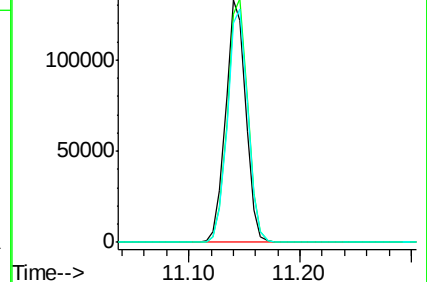
176 97.8 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX001416.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001416.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001416.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

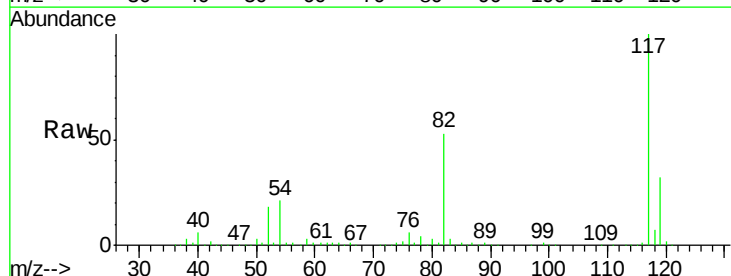
Tgt Ion: 117 Resp: 328230

Ion Ratio Lower Upper

117 100

82 53.4 40.0 60.0

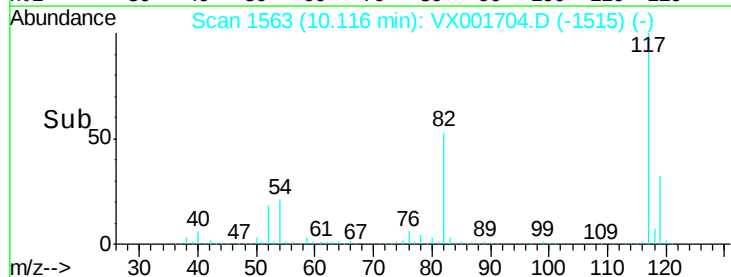
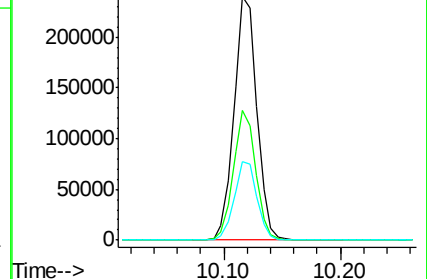
119 32.4 25.8 38.8

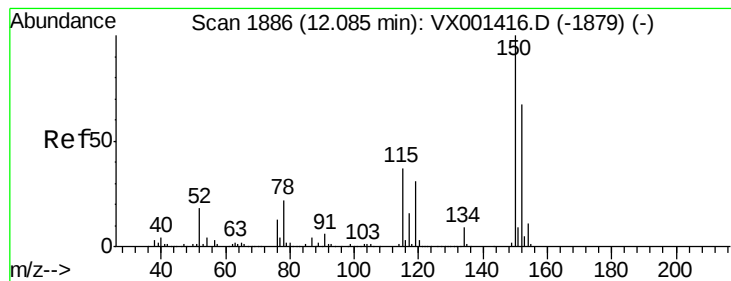


Abundance Ion 116.90 (116.60 to 117.60): VX001416.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001416.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001416.D (-1555) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#20

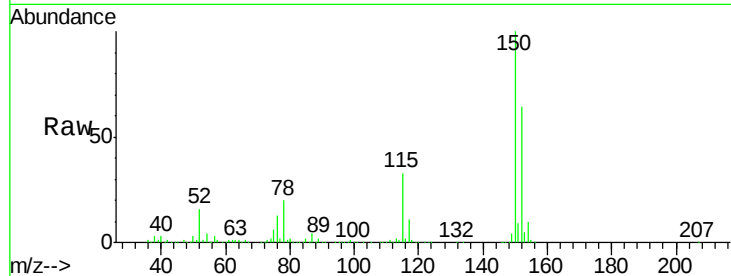
Tgt Ion:152 Resp: 178727

Ion Ratio Lower Upper

152 100

115 51.9 37.7 113.1

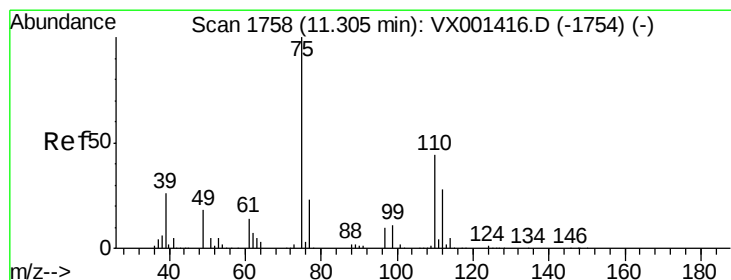
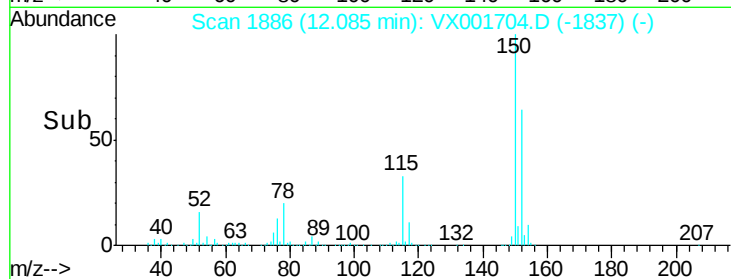
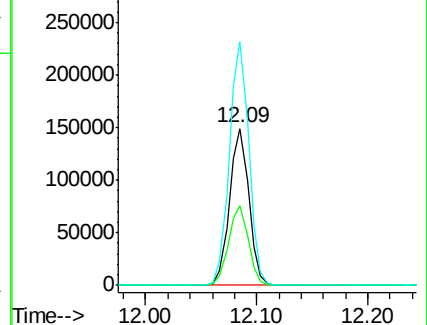
150 156.8 0.0 349.4



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: 21.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001704.D

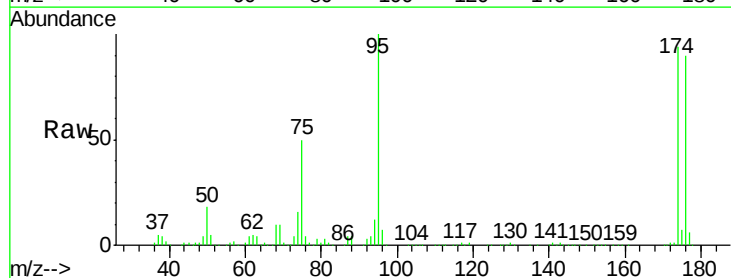
Acq: 13 May 2018 08:12

Tgt Ion: 75 Resp: 79289

Ion Ratio Lower Upper

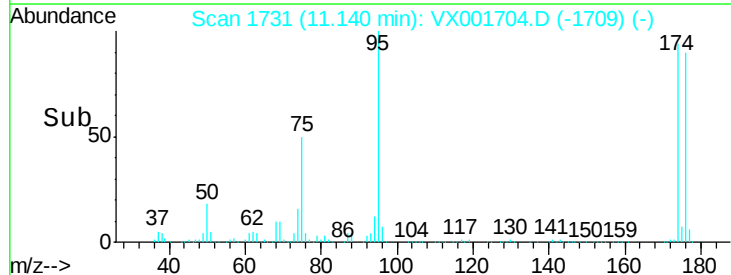
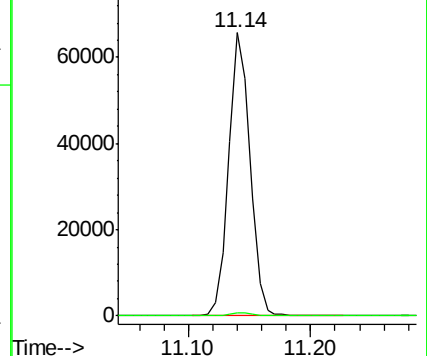
75 100

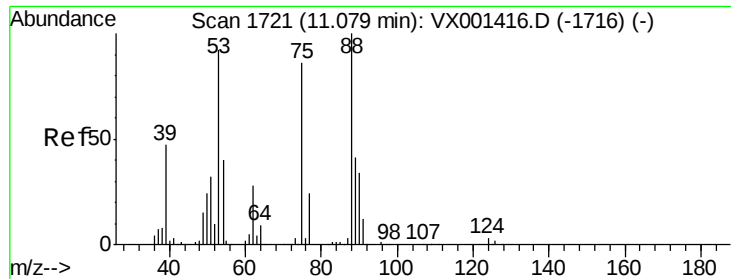
77 1.2 19.6 58.7#



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: 68.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001704.D

Acq: 13 May 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#20

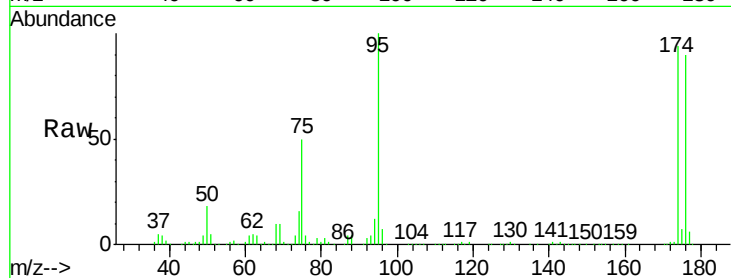
Tgt Ion: 75 Resp: 79289

Ion Ratio Lower Upper

75 100

53 0.2 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

