

Data File : VX001702.D
Acq On : 13 May 2018 07:19
Operator : JC/MD
Sample : PB109200ZHE#18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#18

Quant Time: May 14 06:13:29 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	272580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176441	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180632	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
35) Dibromofluoromethane	5.51	113	145664	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
50) Toluene-d8	8.72	98	521991	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	
62) 4-Bromofluorobenzene	11.14	95	164078	35.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.74%	

Target Compounds			Qvalue			
5) Bromomethane	1.62	94	87	Below Cal	#	3
11) Tert butyl alcohol	3.02	59	2027	2.45	ug/l #	72
13) Acrolein	2.31	56	52	Below Cal	#	78
16) Acetone	2.45	43	7541	4.24	ug/l	99
18) Methyl Acetate	2.78	43	23006	4.92	ug/l	100
20) Methylene Chloride	2.86	84	2413	0.69	ug/l #	88
25) 2-Butanone	4.71	43	2291	0.89	ug/l #	83
29) Tetrahydrofuran	5.18	42	513	0.31	ug/l #	79
31) Cyclohexane	5.66	56	4620	0.92	ug/l #	23
36) 1,1-Dichloropropene	5.67	75	17080	3.61	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22864	4.53	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	78950	22.06	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	78950	68.60	ug/l #	7

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

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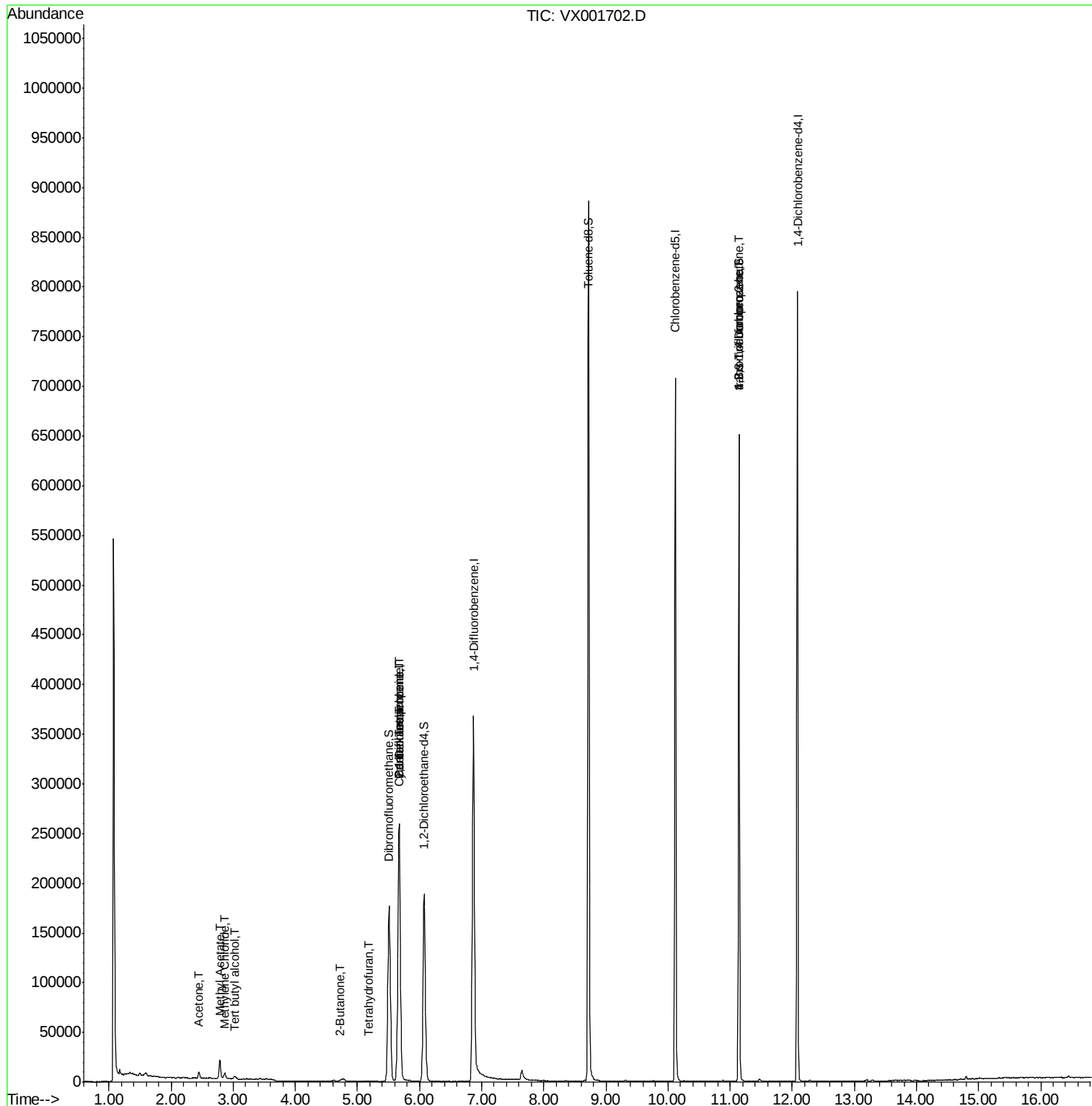
Quant Time: May 14 06:13:29 2018

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

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001702.D

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Instrument :

MSVOA_X

ClientSampleId :

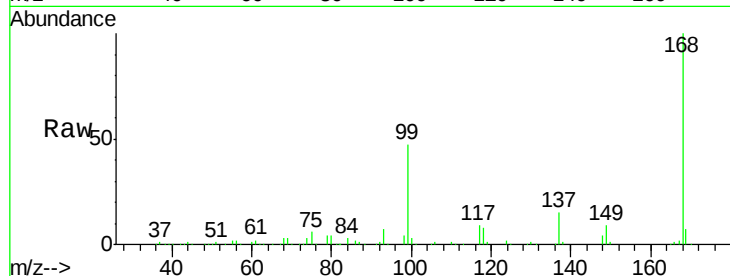
PB109200ZHE#18

Tgt Ion:168 Resp: 272580

Ion Ratio Lower Upper

168 100

99 47.4 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

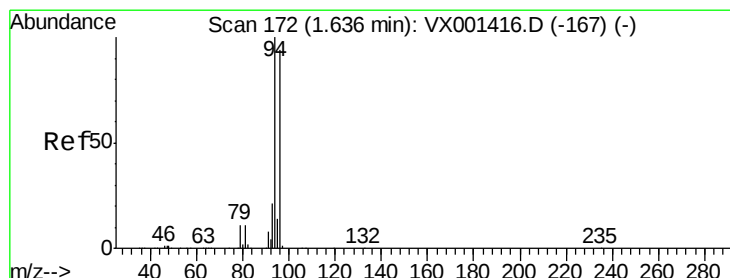
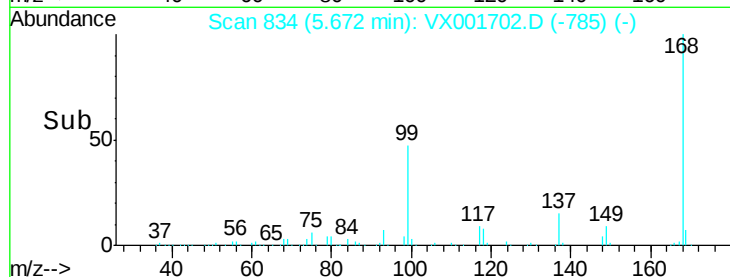
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001702.D

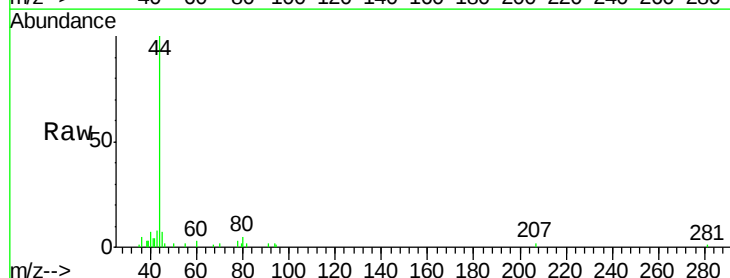
Acq: 13 May 2018 07:19

Tgt Ion: 94 Resp: 87

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

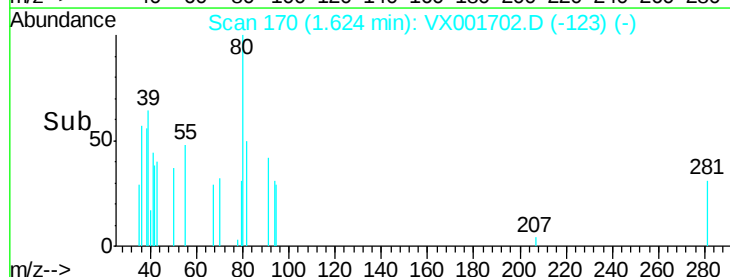
150

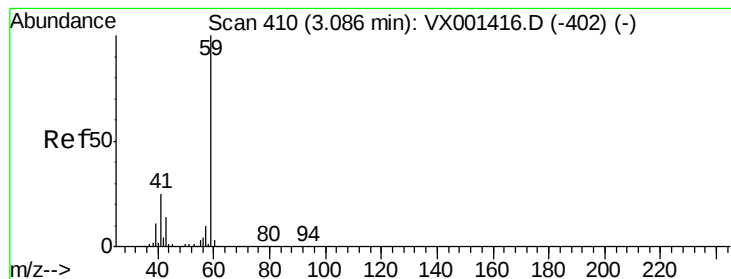
100

50

0

Time--> 1.60 1.61 1.62 1.63 1.64



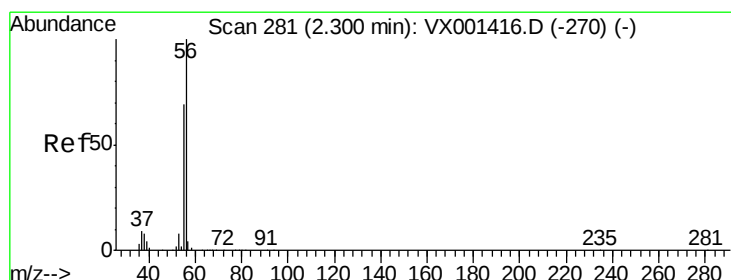
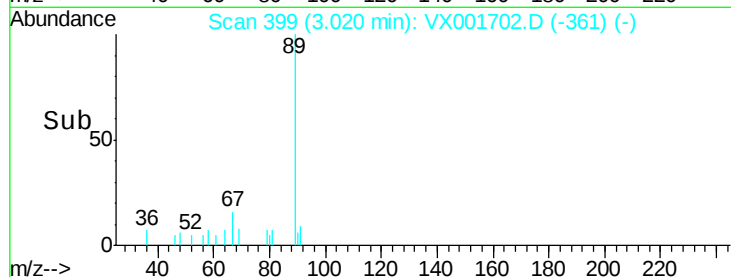
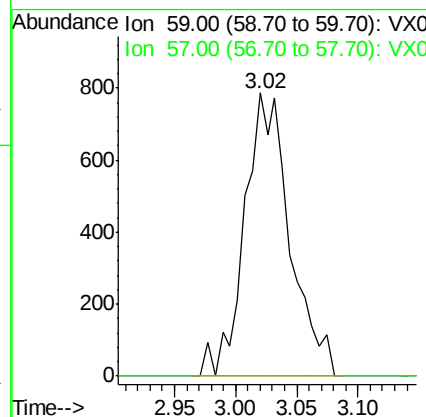
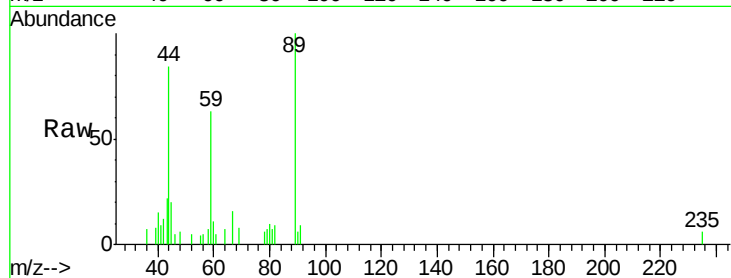


#11

Tert butyl alcohol
 Concen: 2.45 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.07 min
 Lab File: VX001702.D
 Acq: 13 May 2018 07:19

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#18

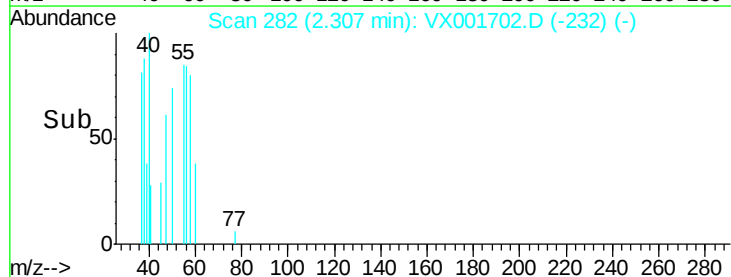
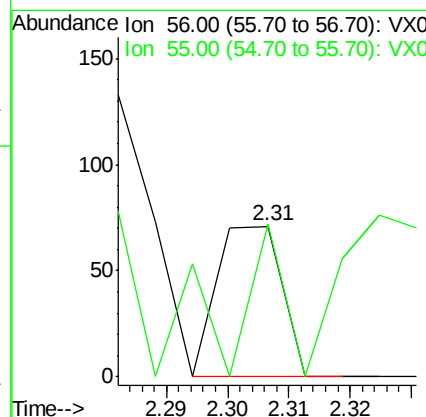
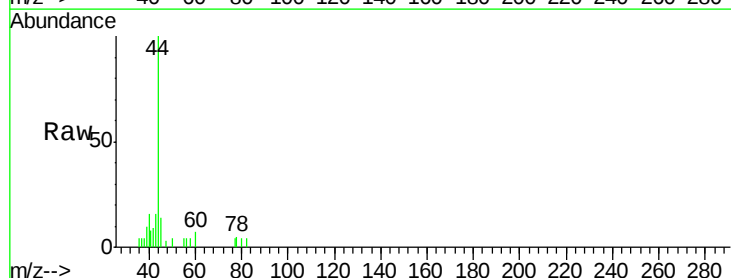
Tgt Ion: 59 Resp: 2027
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

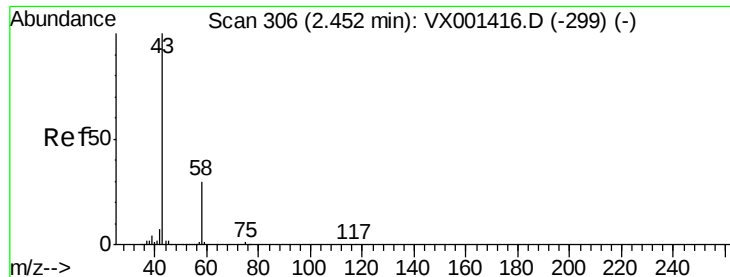


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX001702.D
 Acq: 13 May 2018 07:19

Tgt Ion: 56 Resp: 52
 Ion Ratio Lower Upper
 56 100
 55 50.0 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: VX001702.D

Acq: 13 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

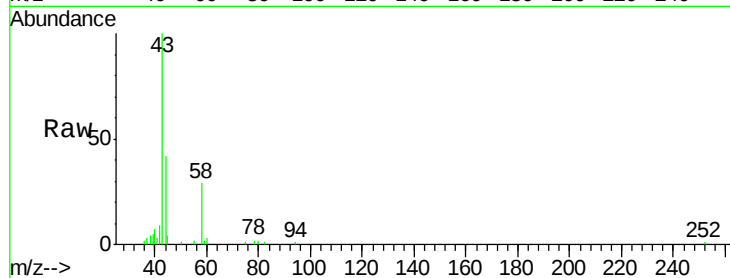
PB109200ZHE#18

Tgt Ion: 43 Resp: 7541

Ion Ratio Lower Upper

43 100

58 30.4 23.8 35.8

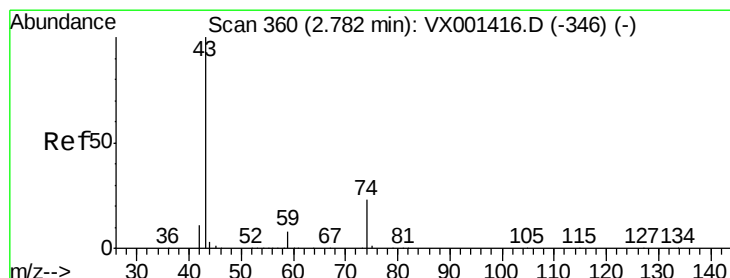
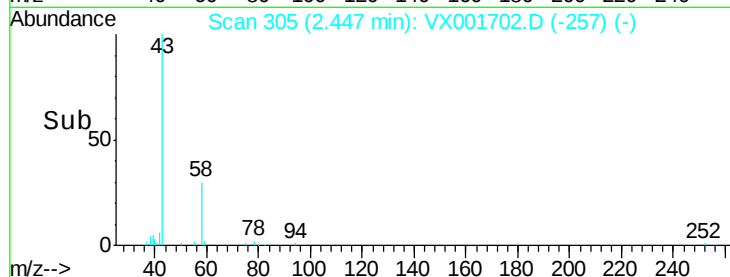


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time-->



#18

Methyl Acetate

Concen: 4.92 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001702.D

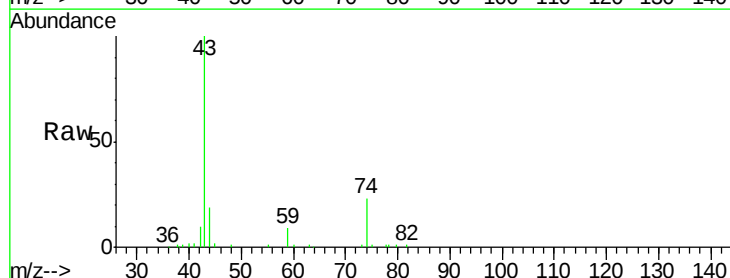
Acq: 13 May 2018 07:19

Tgt Ion: 43 Resp: 23006

Ion Ratio Lower Upper

43 100

74 23.4 18.6 27.8

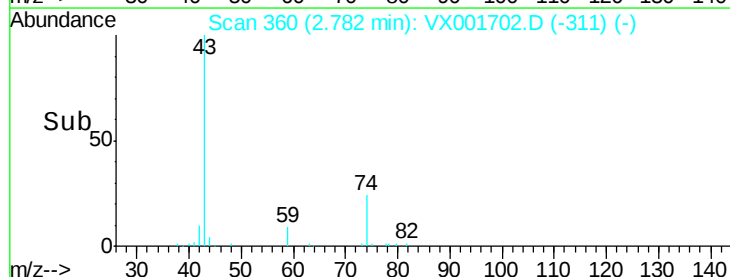


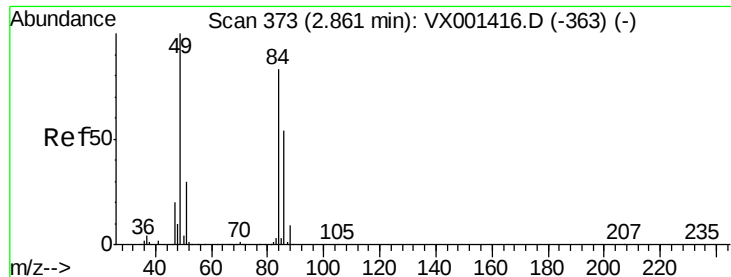
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

Time-->

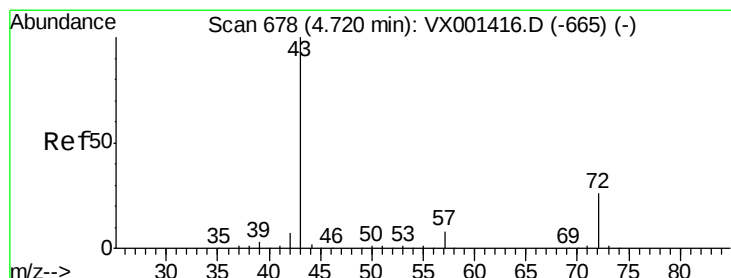
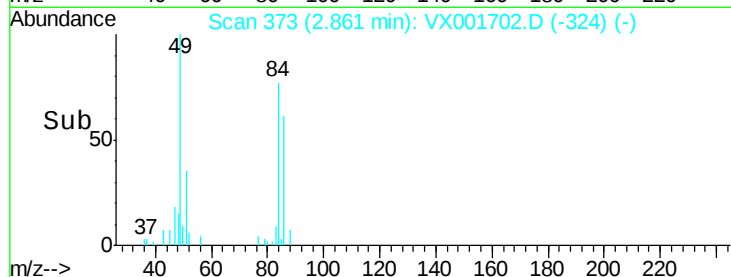
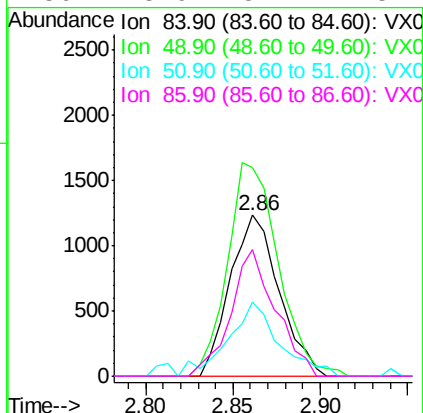
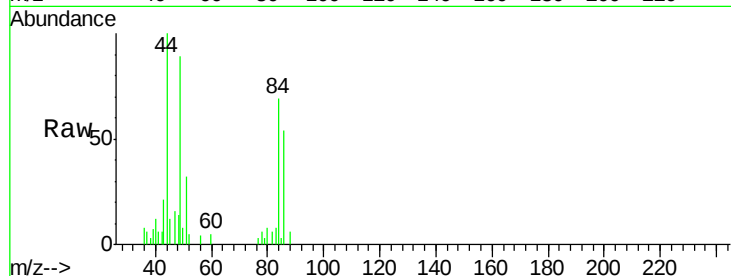




#20
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001702.D
Acq: 13 May 2018 07:19

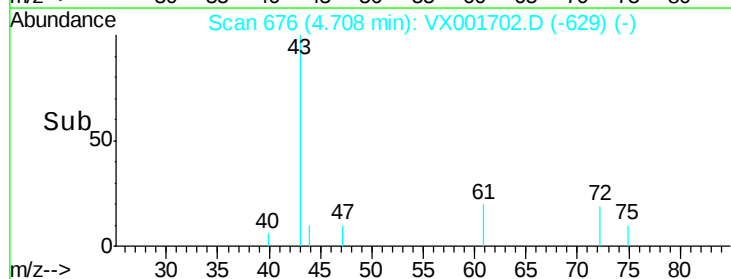
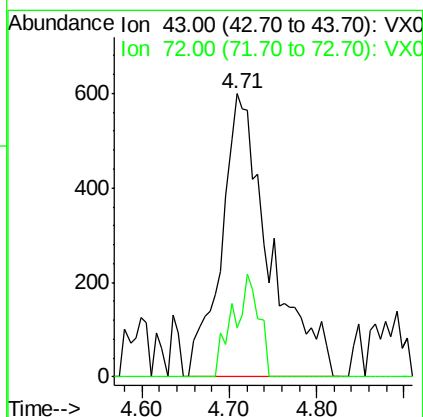
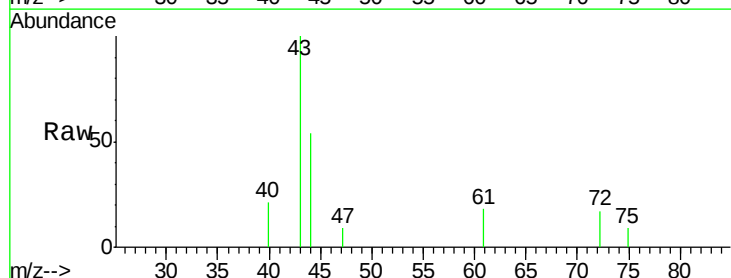
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#18

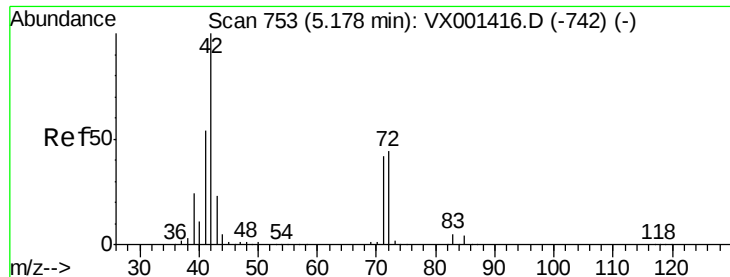
Tgt Ion: 84 Resp: 2413
Ion Ratio Lower Upper
84 100
49 129.4 96.6 144.8
51 45.7 29.0 43.4#
86 78.9 52.2 78.4#



#25
2-Butanone
Concen: 0.89 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX001702.D
Acq: 13 May 2018 07:19

Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
72 17.2 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#18

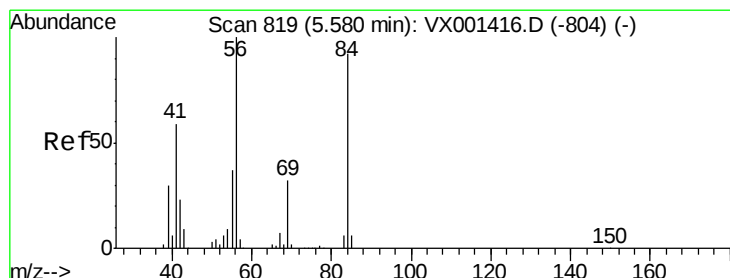
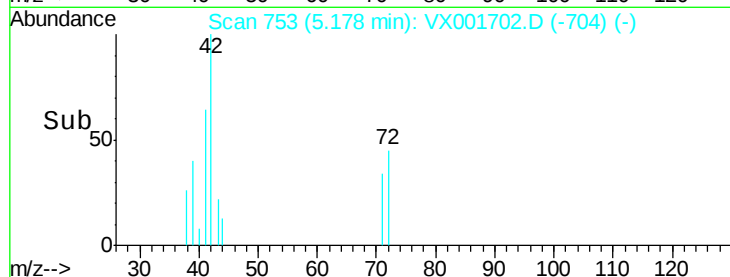
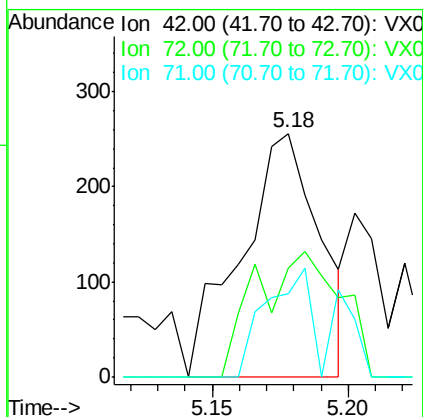
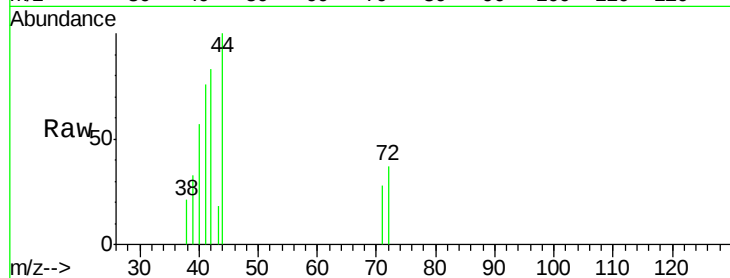
Tgt Ion: 42 Resp: 513

Ion Ratio Lower Upper

42 100

72 55.4 35.4 53.2#

71 25.1 33.0 49.4#



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

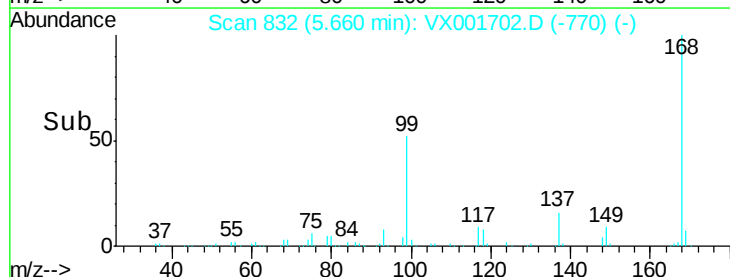
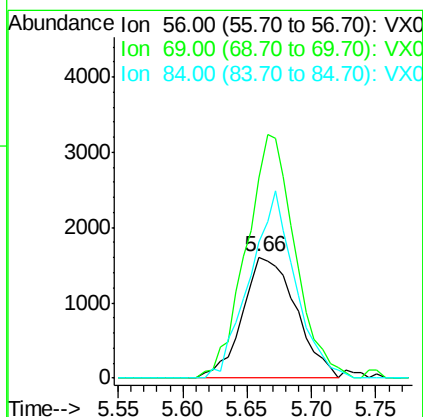
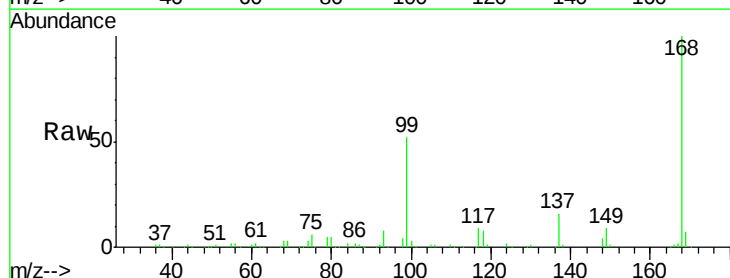
Tgt Ion: 56 Resp: 4620

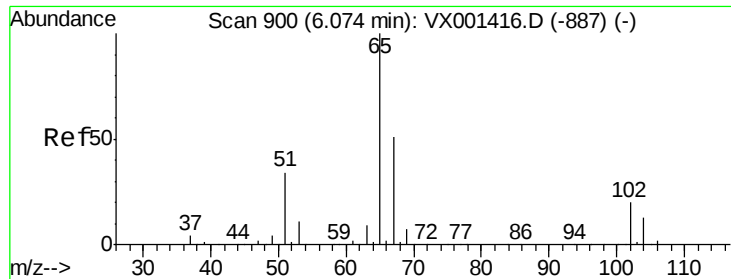
Ion Ratio Lower Upper

56 100

69 164.8 25.4 38.0#

84 112.7 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 46.10 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

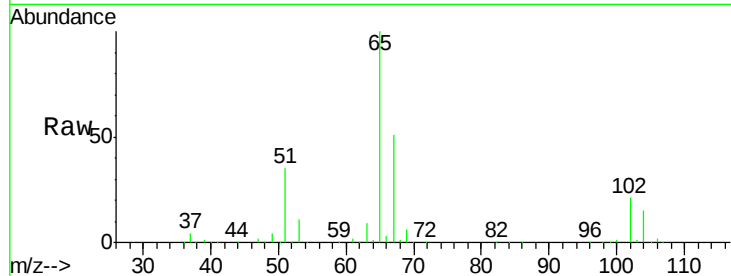
PB109200ZHE#18

Tgt Ion: 65 Resp: 180632

Ion Ratio Lower Upper

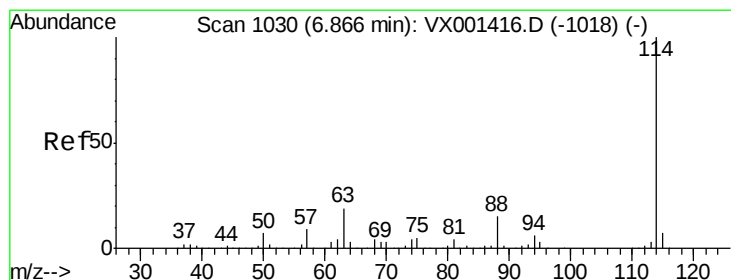
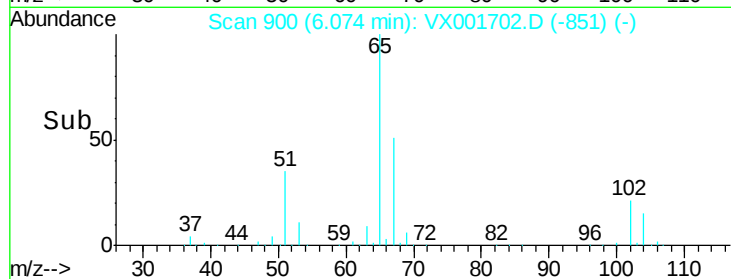
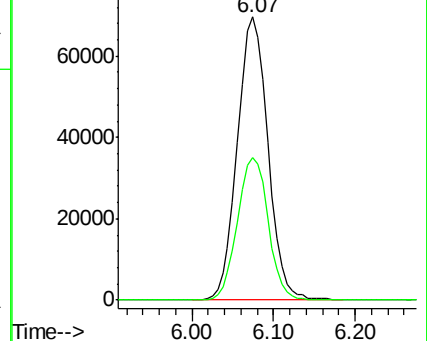
65 100

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: VX001702.D

Acq: 13 May 2018 07:19

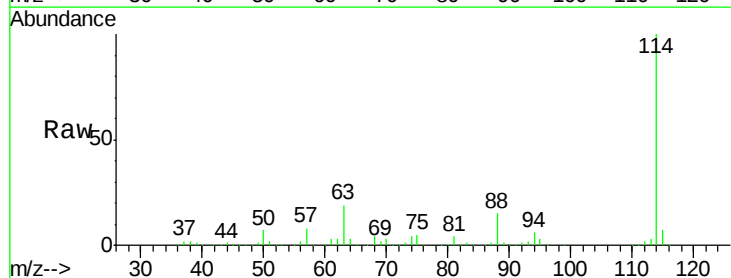
Tgt Ion: 114 Resp: 372211

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

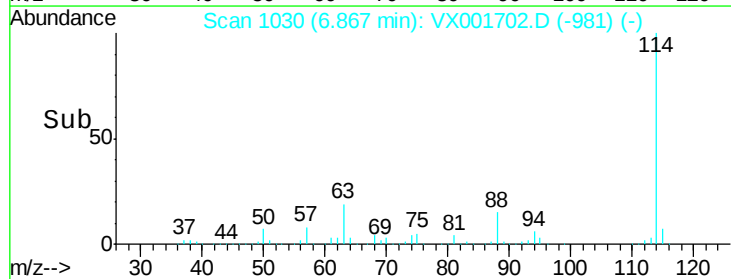
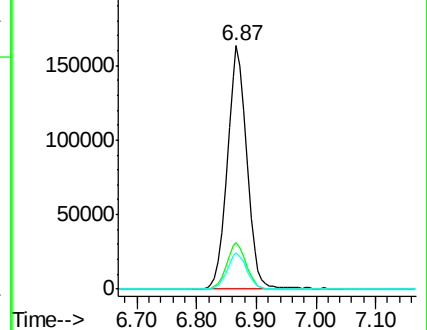
88 14.9 0.0 30.8

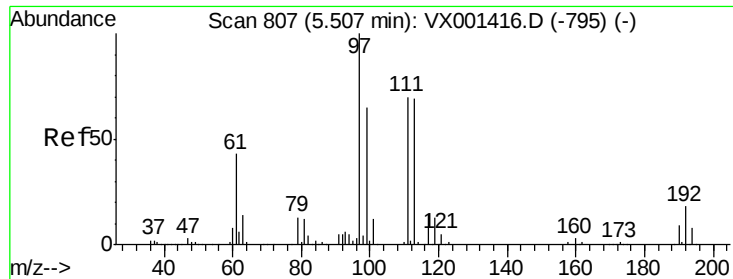


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001702.D

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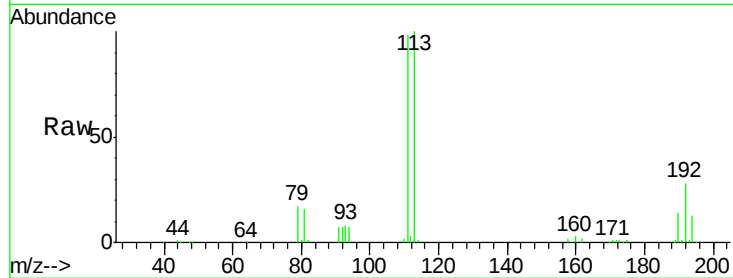
Tgt Ion:113 Resp: 145664

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

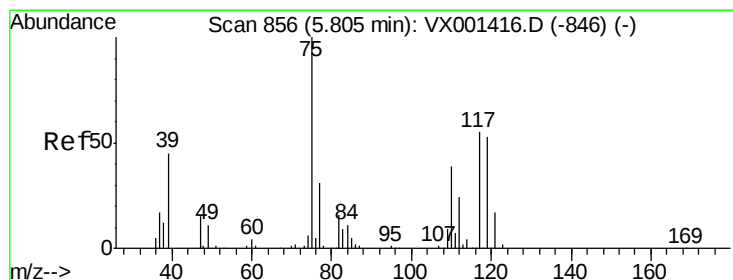
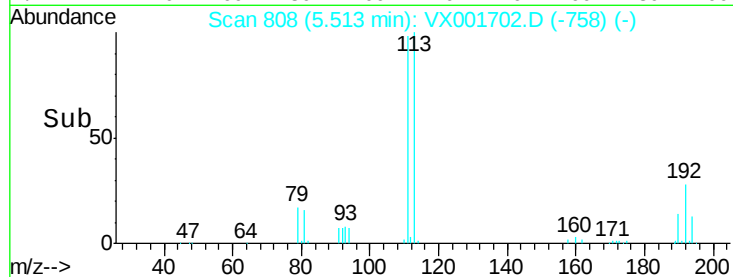
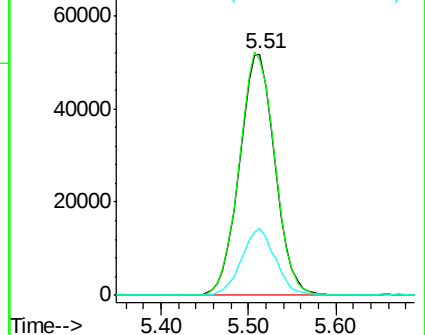
192 26.6 21.4 32.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.61 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

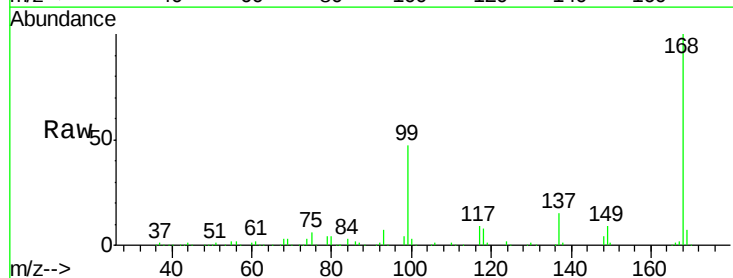
Tgt Ion: 75 Resp: 17080

Ion Ratio Lower Upper

75 100

110 9.5 18.9 56.7#

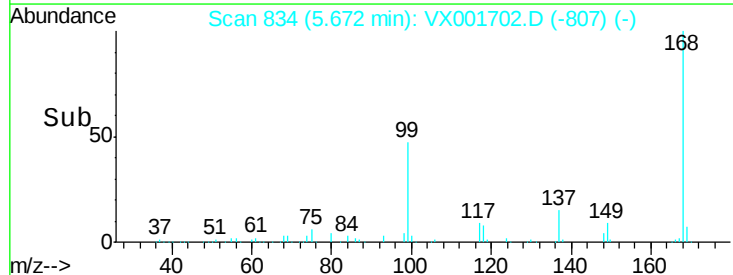
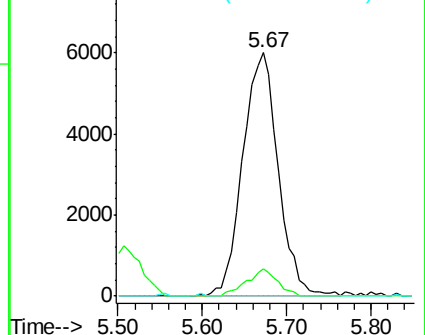
77 0.0 24.9 37.3#

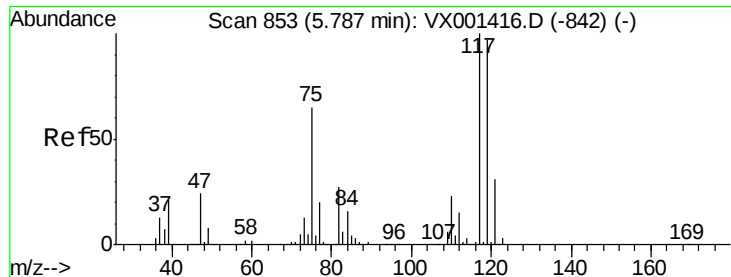


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

Instrument :

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ClientSampleId :

PB109200ZHE#18

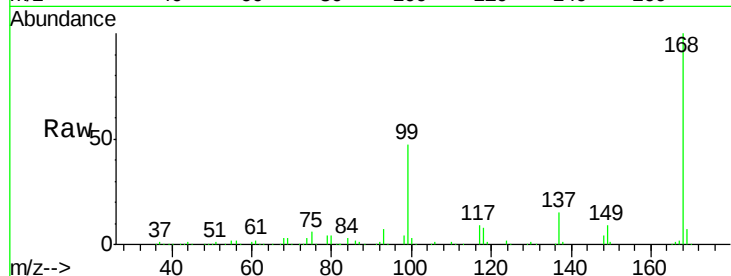
Tgt Ion: 117 Resp: 22864

Ion Ratio Lower Upper

117 100

119 7.1 77.0 115.6#

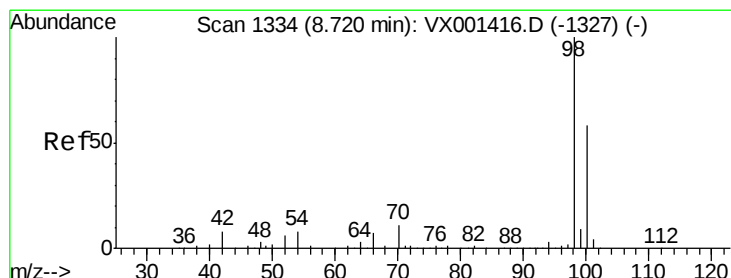
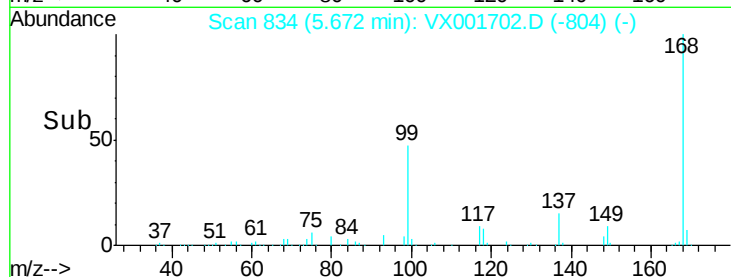
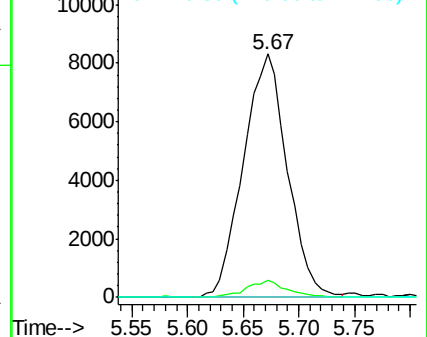
121 0.0 25.1 37.7#



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: 43.19 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001702.D

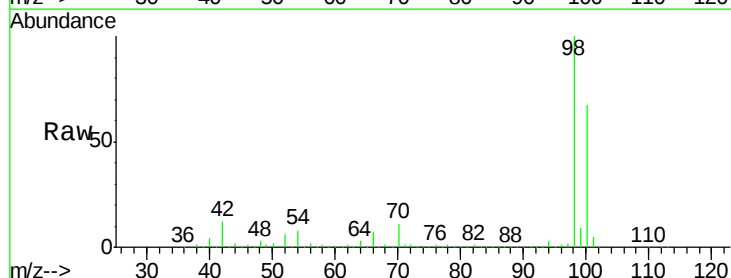
Acq: 13 May 2018 07:19

Tgt Ion: 98 Resp: 521991

Ion Ratio Lower Upper

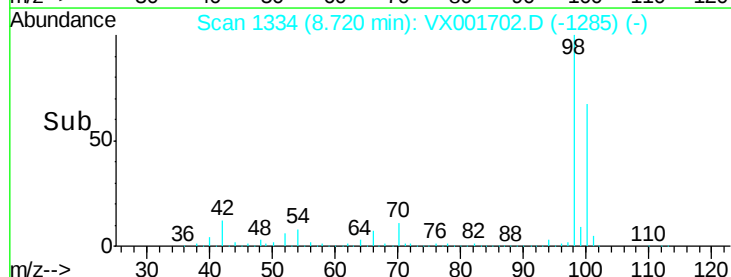
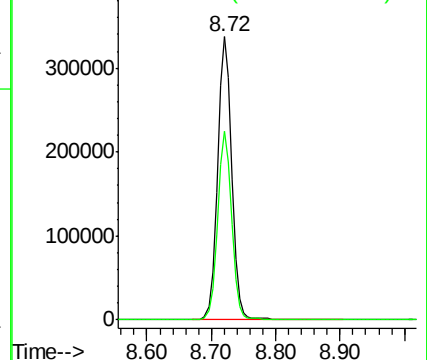
98 100

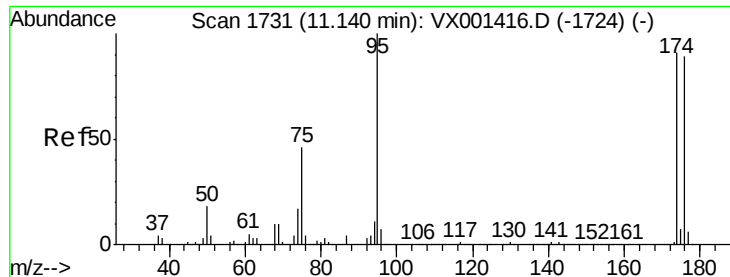
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

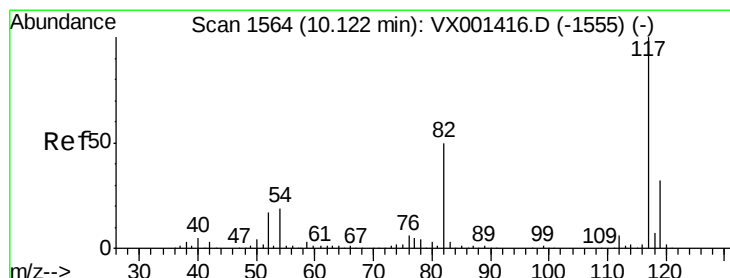
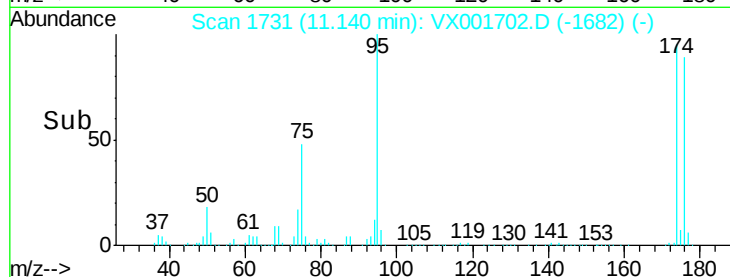
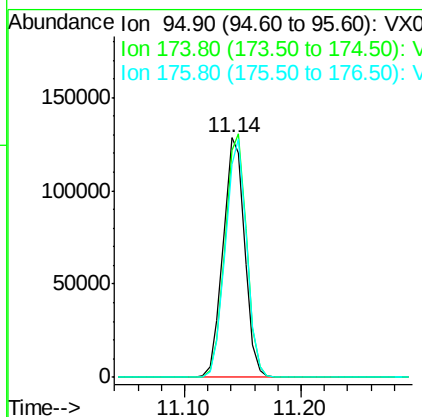
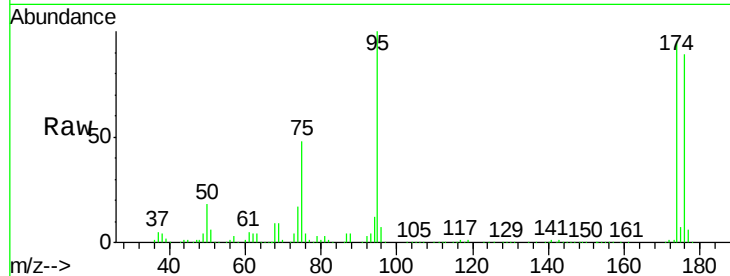




#62
 4-Bromofluorobenzene
 Concen: 35.37 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001702.D
 Acq: 13 May 2018 07:19

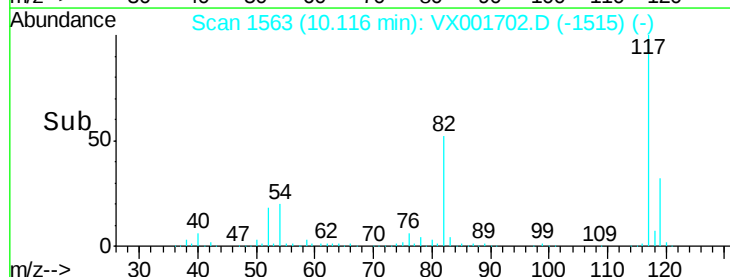
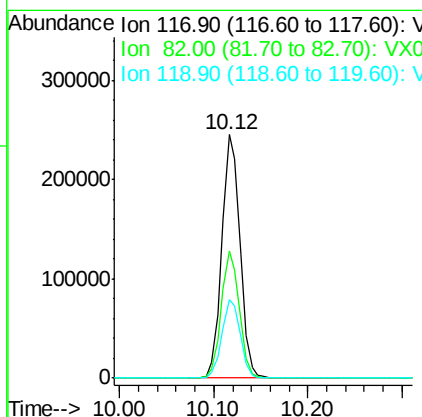
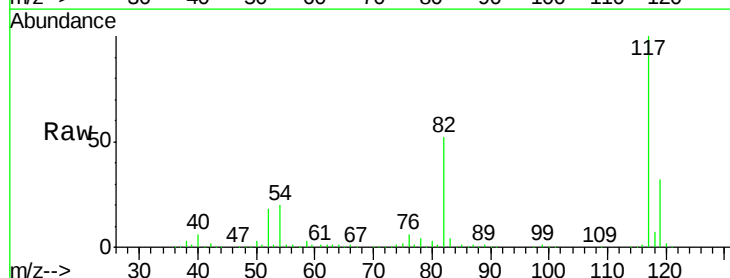
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#18

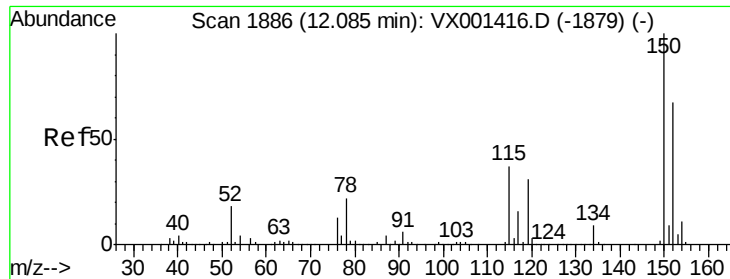
Tgt Ion: 95 Resp: 164078
 Ion Ratio Lower Upper
 95 100
 174 101.9 0.0 202.0
 176 98.5 0.0 197.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VX001702.D
 Acq: 13 May 2018 07:19

Tgt Ion: 117 Resp: 327960
 Ion Ratio Lower Upper
 117 100
 82 52.2 40.0 60.0
 119 32.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#18

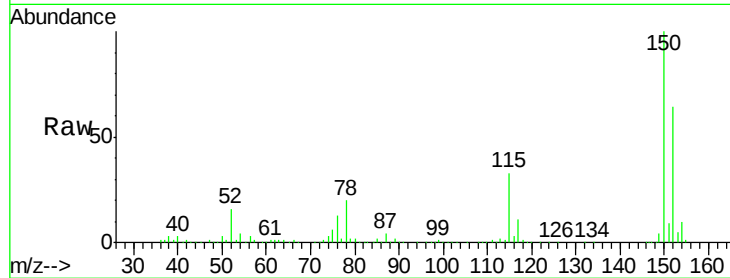
Tgt Ion:152 Resp: 176441

Ion Ratio Lower Upper

152 100

115 52.0 37.7 113.1

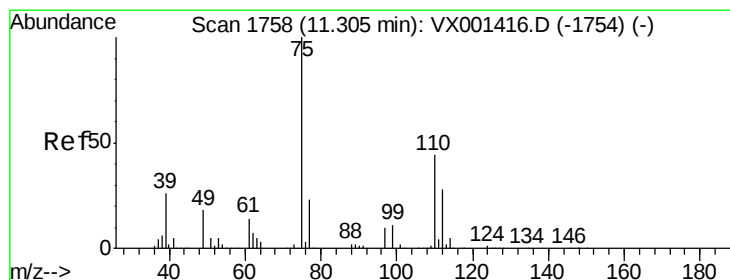
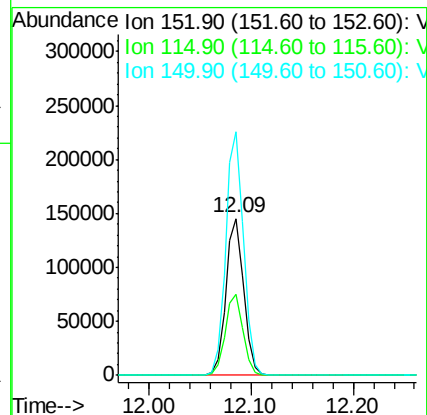
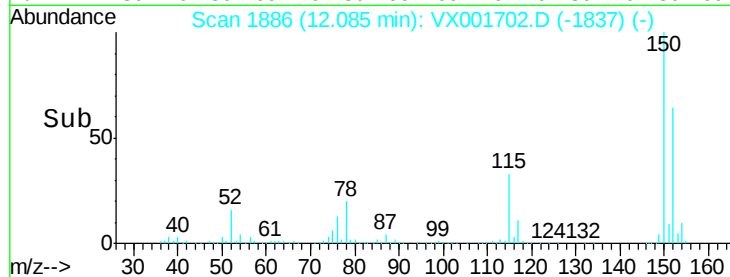
150 155.8 0.0 349.4



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: 22.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001702.D

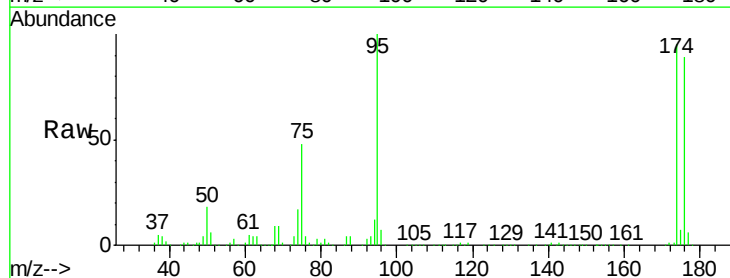
Acq: 13 May 2018 07:19

Tgt Ion: 75 Resp: 78950

Ion Ratio Lower Upper

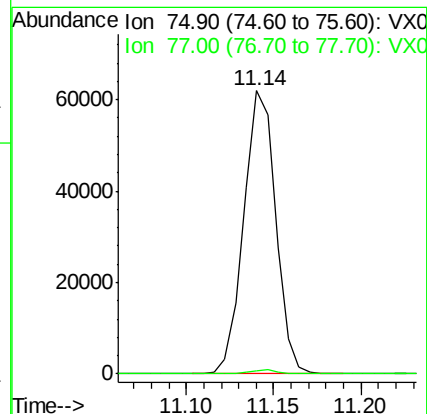
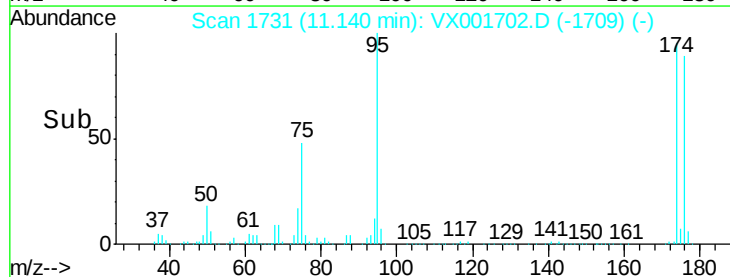
75 100

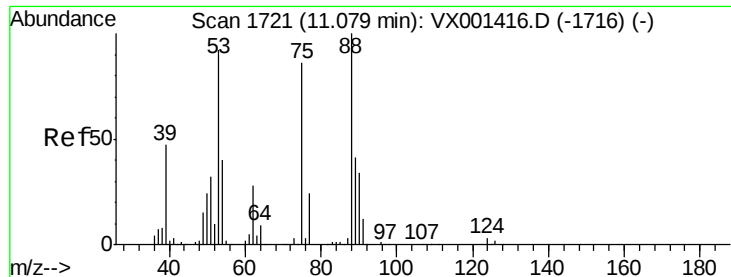
77 1.3 19.6 58.7#



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: 68.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001702.D

Acq: 13 May 2018 07:19

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#18

Tgt Ion: 75 Resp: 78950

Ion Ratio Lower Upper

75 100

53 0.2 84.5 126.7#

89 0.0 39.5 59.3#

