

Data File : VX001686.D
Acq On : 13 May 2018 00:14
Operator : JC/MD
Sample : PB109200ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#02

Quant Time: May 14 06:08:51 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	271259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	162294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	176451	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
35) Dibromofluoromethane	5.51	113	140655	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	
50) Toluene-d8	8.72	98	500384	42.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.60%	
62) 4-Bromofluorobenzene	11.14	95	154096	34.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.66%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	1228	Below Cal		90
6) Chloroethane	1.55	64	5034	2.05 ug/l	#	51
10) Methyl Iodide	2.53	142	1344	0.28 ug/l		93
11) Tert butyl alcohol	3.03	59	1619	1.97 ug/l	#	77
13) Acrolein	2.30	56	22	Below Cal	#	1
16) Acetone	2.45	43	7029	3.97 ug/l		91
18) Methyl Acetate	2.78	43	22695	4.88 ug/l		100
20) Methylene Chloride	2.86	84	2736	0.78 ug/l		89
25) 2-Butanone	4.71	43	2039	0.80 ug/l		90
29) Tetrahydrofuran	5.17	42	757	0.46 ug/l	#	75
31) Cyclohexane	5.67	56	4664	0.93 ug/l	#	19
36) 1,1-Dichloropropene	5.67	75	16271	3.55 ug/l	#	44
38) Carbon Tetrachloride	5.67	117	22275	4.56 ug/l	#	17
54) cis-1,3-Dichloropropene	9.04	75	46	2.27 ug/l	#	1
76) 1,2,3-Trichloropropane	11.14	75	74811	22.73 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	74811	70.54 ug/l	#	7

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

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ALS Vial : 30 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#02

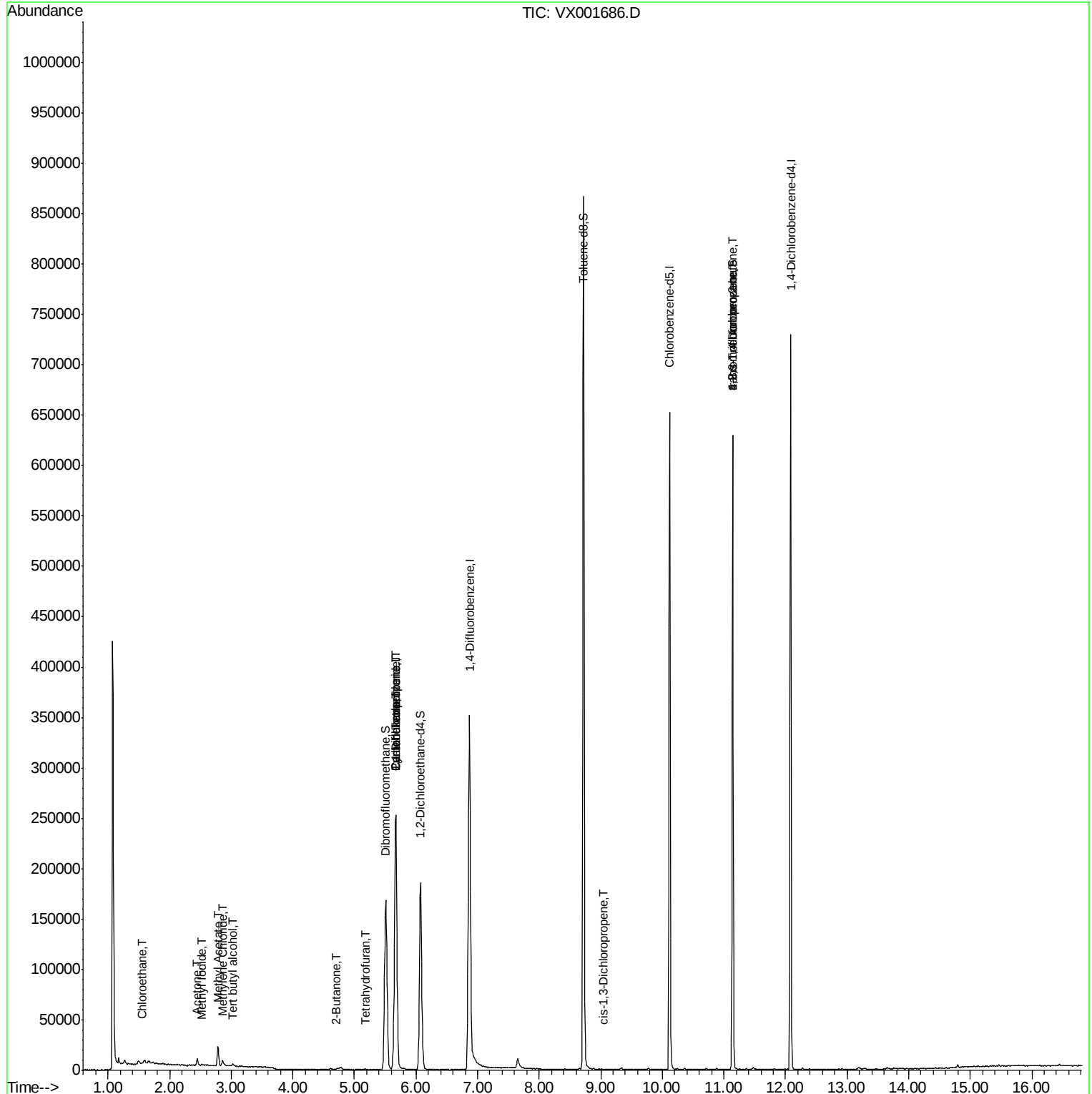
Quant Time: May 14 06:08:51 2018

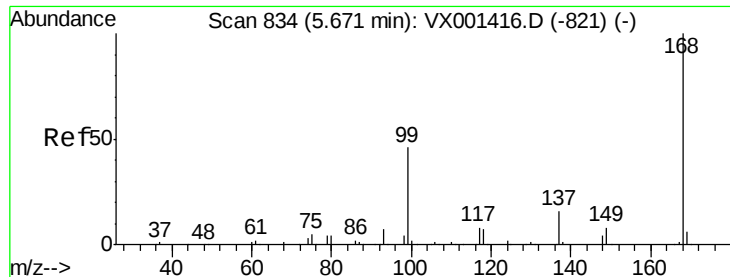
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

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: VX001686.D

Acq: 13 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

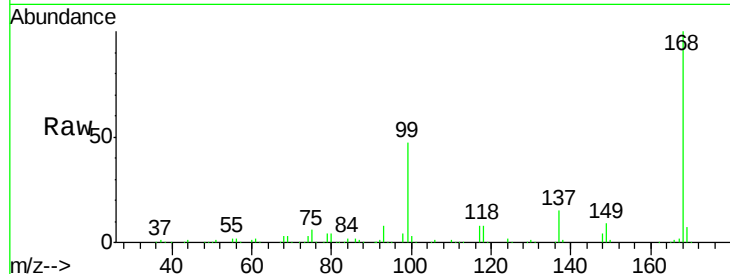
PB109200ZHE#02

Tgt Ion:168 Resp: 271259

Ion Ratio Lower Upper

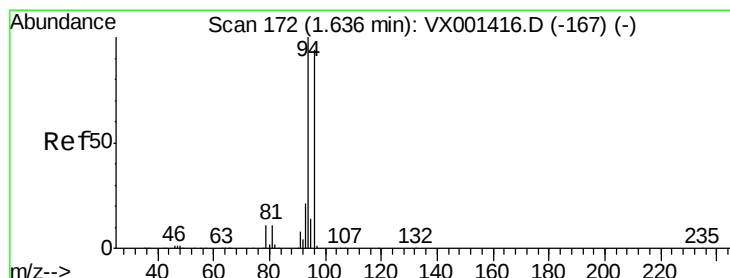
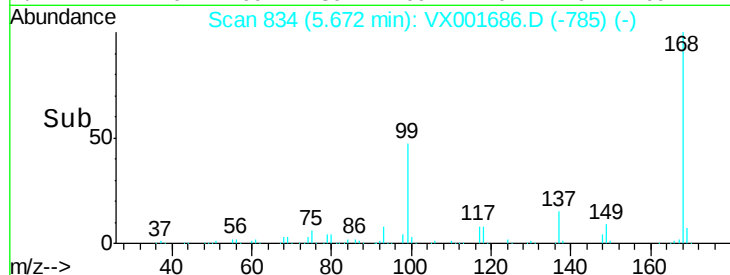
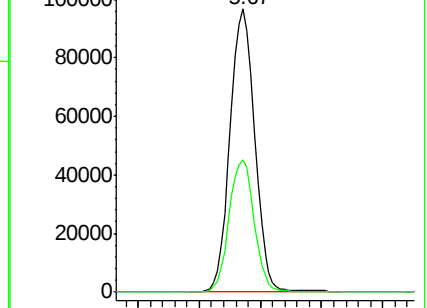
168 100

99 46.7 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: VX001686.D

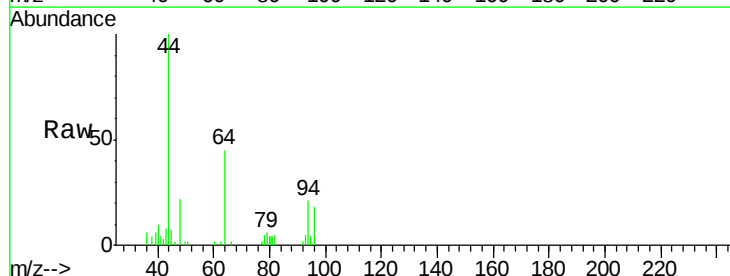
Acq: 13 May 2018 00:14

Tgt Ion: 94 Resp: 1228

Ion Ratio Lower Upper

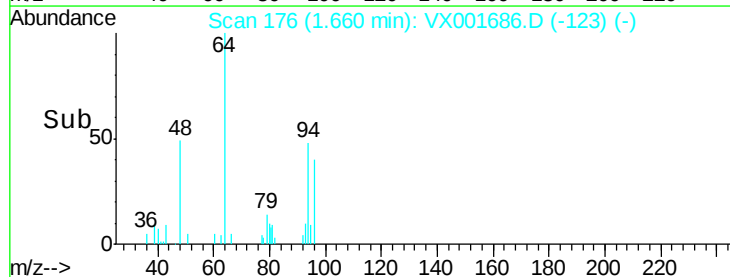
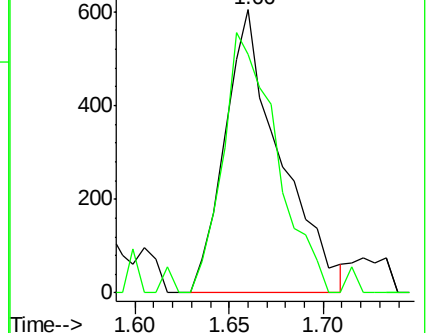
94 100

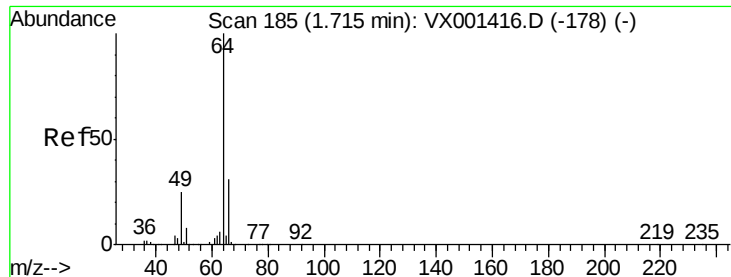
96 84.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.05 ug/l

RT: 1.55 min Scan# 158

Delta R.T. -0.16 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

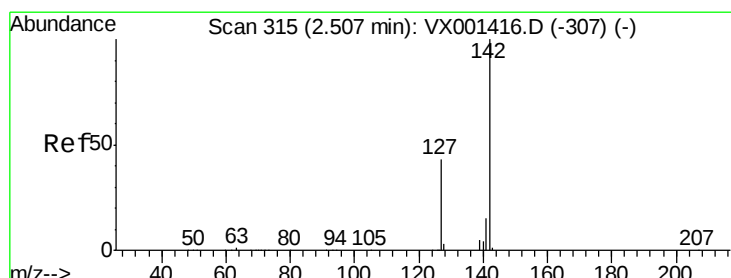
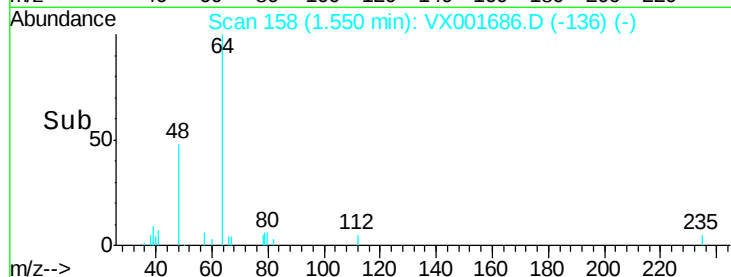
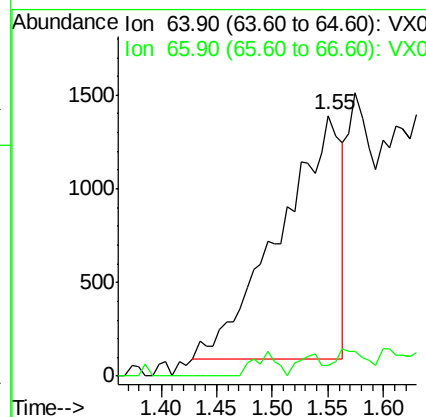
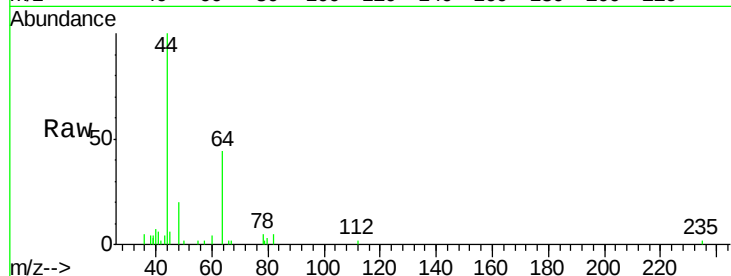
PB109200ZHE#02

Tgt Ion: 64 Resp: 5034

Ion Ratio Lower Upper

64 100

66 4.5 25.1 37.7#



#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

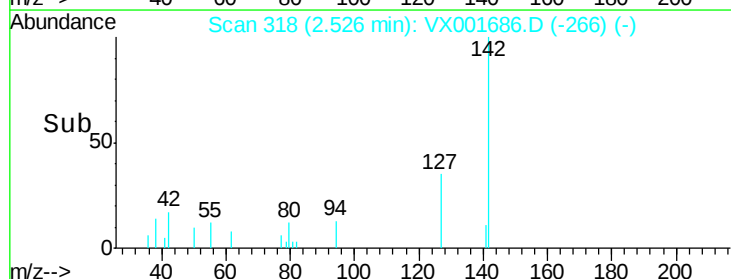
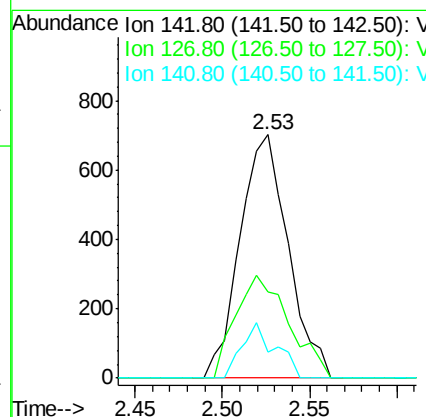
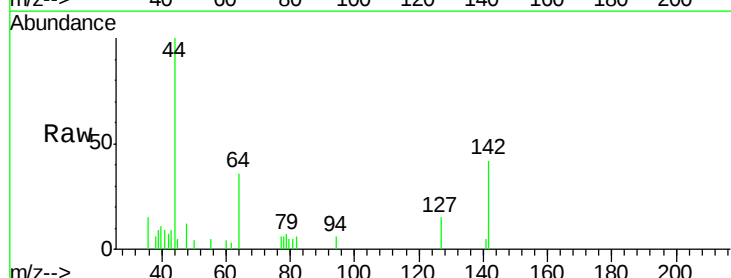
Tgt Ion: 142 Resp: 1344

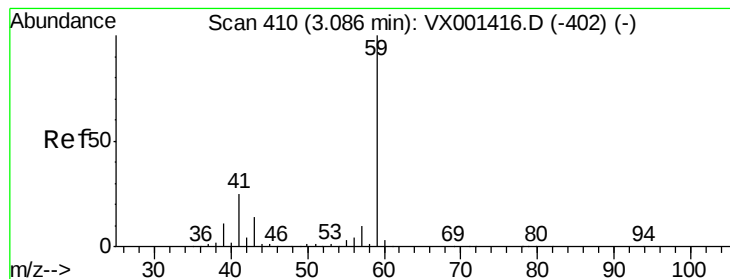
Ion Ratio Lower Upper

142 100

127 47.0 33.6 50.4

141 15.7 11.4 17.2





#11

Tert butyl alcohol

Concen: 1.97 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

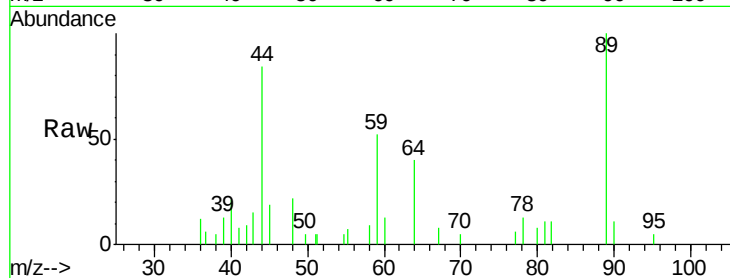
PB109200ZHE#02

Tgt Ion: 59 Resp: 1619

Ion Ratio Lower Upper

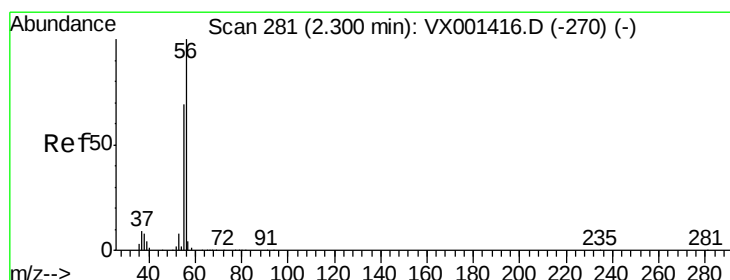
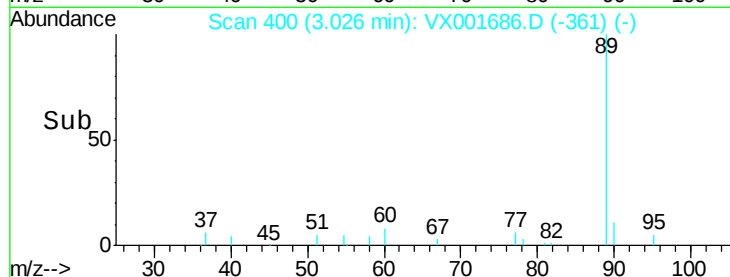
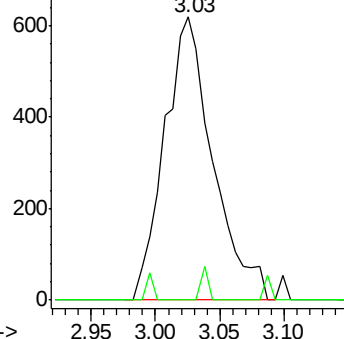
59 100

57 1.7 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: VX001686.D

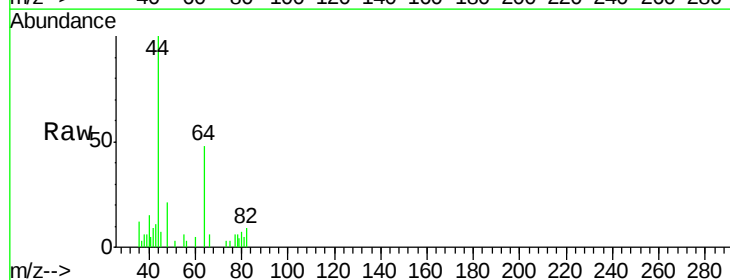
Acq: 13 May 2018 00:14

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

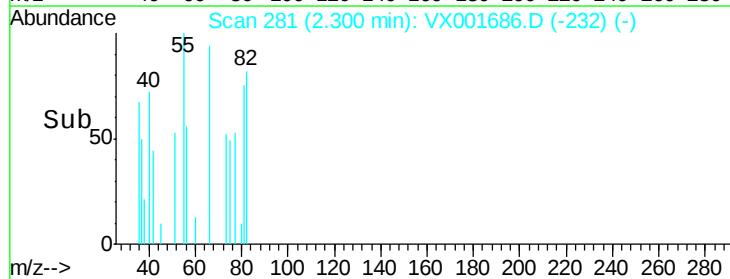
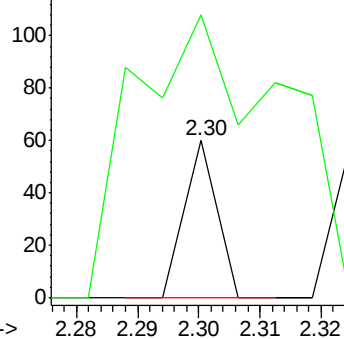
56 100

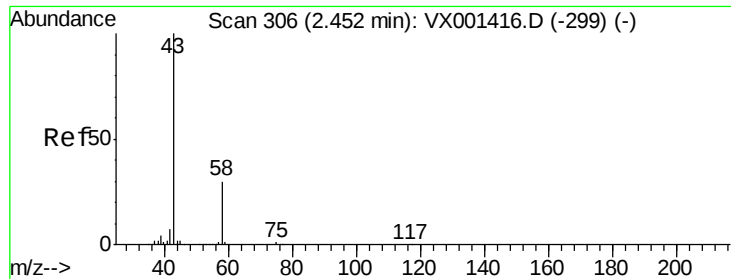
55 827.3 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.97 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

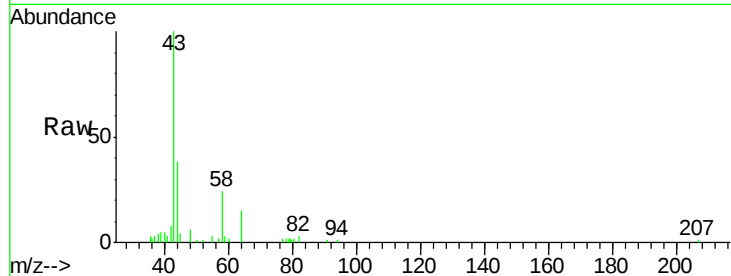
PB109200ZHE#02

Tgt Ion: 43 Resp: 7029

Ion Ratio Lower Upper

43 100

58 24.9 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

4000

3000

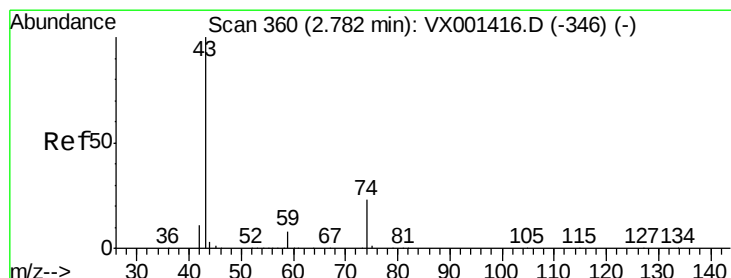
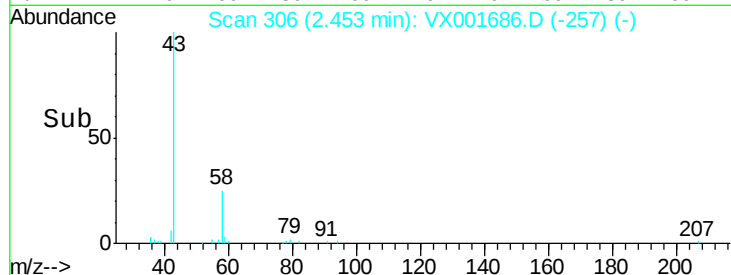
2000

1000

0

Time-->

2.40 2.45 2.50



#18

Methyl Acetate

Concen: 4.88 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001686.D

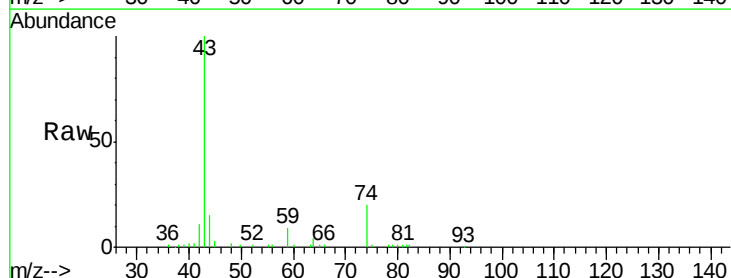
Acq: 13 May 2018 00:14

Tgt Ion: 43 Resp: 22695

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

15000

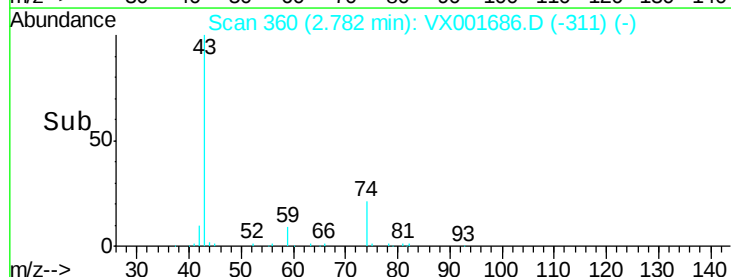
10000

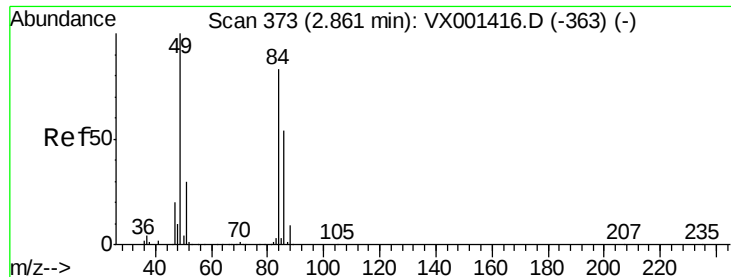
5000

0

Time-->

2.70 2.75 2.80 2.85 2.90

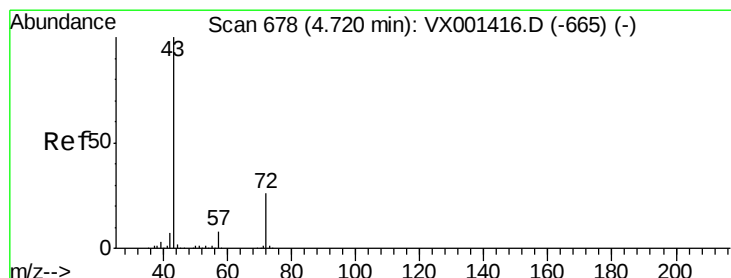
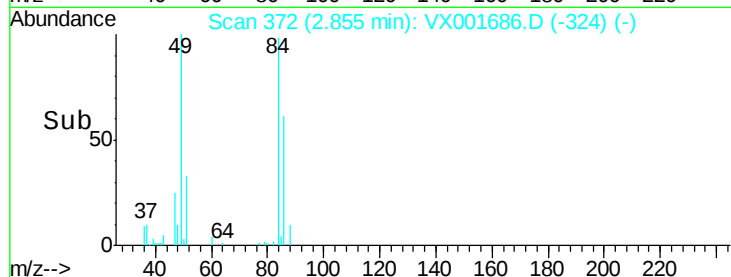
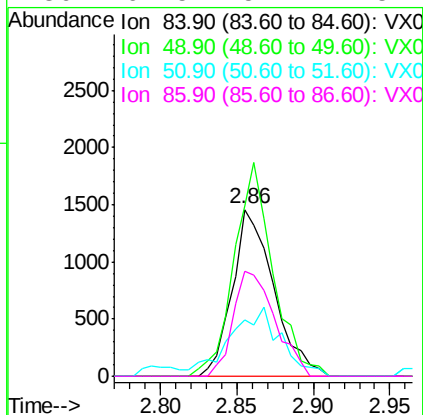
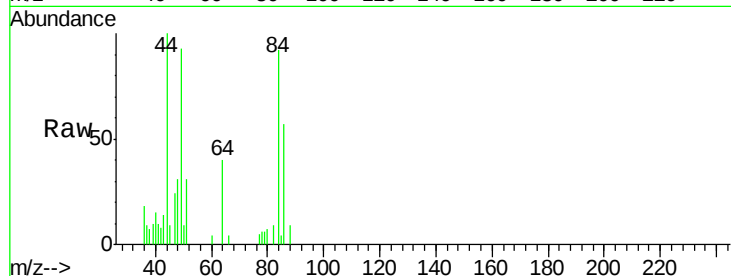




#20
Methylene Chloride
Concen: 0.78 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001686.D
Acq: 13 May 2018 00:14

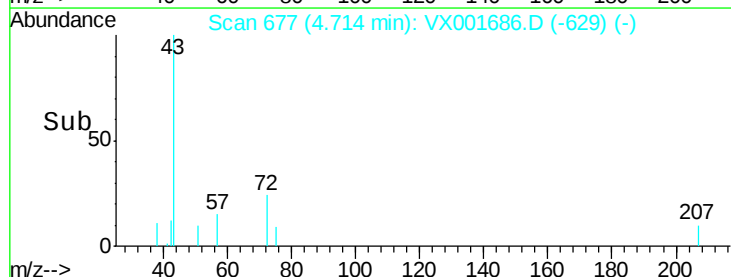
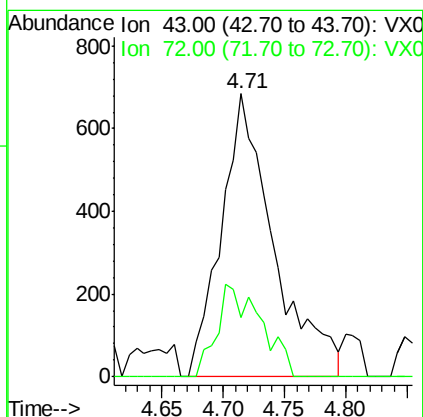
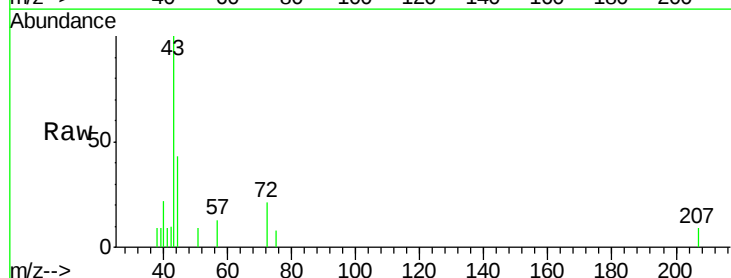
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#02

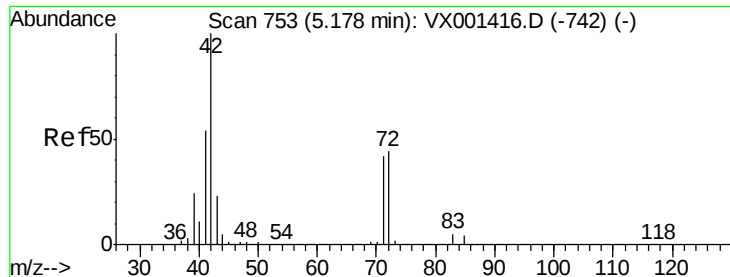
Tgt Ion:	84	Resp:	2736
Ion	Ratio	Lower	Upper
84	100		
49	101.8	96.6	144.8
51	33.8	29.0	43.4
86	62.5	52.2	78.4



#25
2-Butanone
Concen: 0.80 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001686.D
Acq: 13 May 2018 00:14

Tgt Ion:	43	Resp:	2039
Ion	Ratio	Lower	Upper
43	100		
72	20.8	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.46 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#02

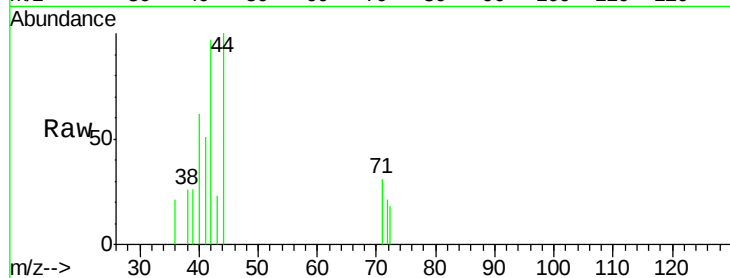
Tgt Ion: 42 Resp: 757

Ion Ratio Lower Upper

42 100

72 19.9 35.4 53.2#

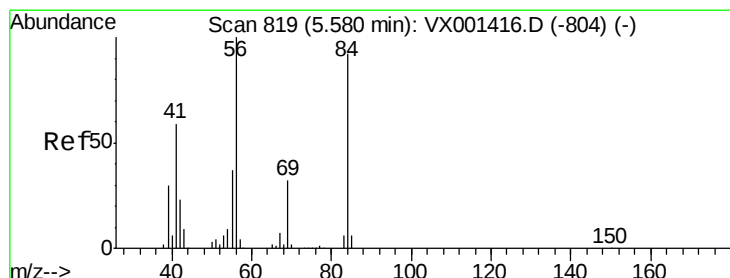
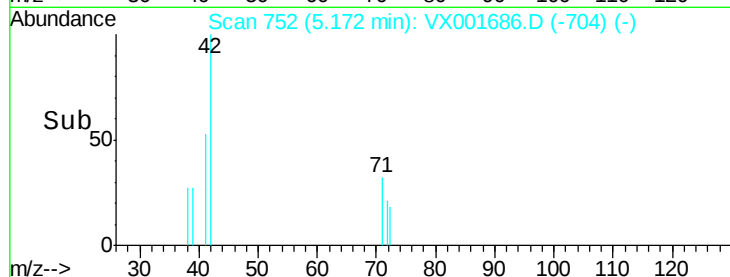
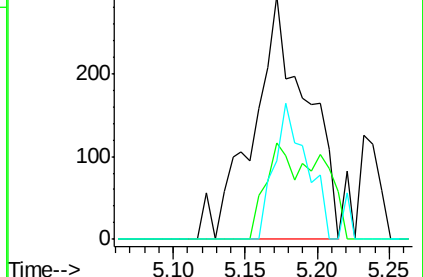
71 34.1 33.0 49.4



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: 0.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

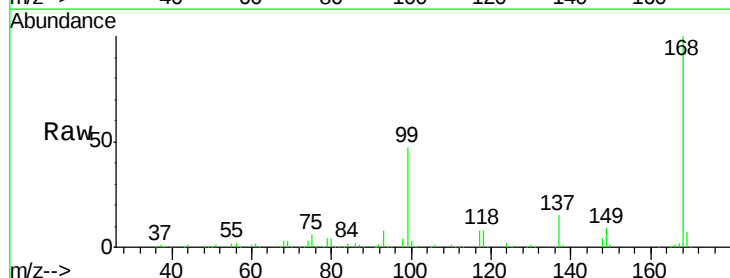
Tgt Ion: 56 Resp: 4664

Ion Ratio Lower Upper

56 100

69 164.5 25.4 38.0#

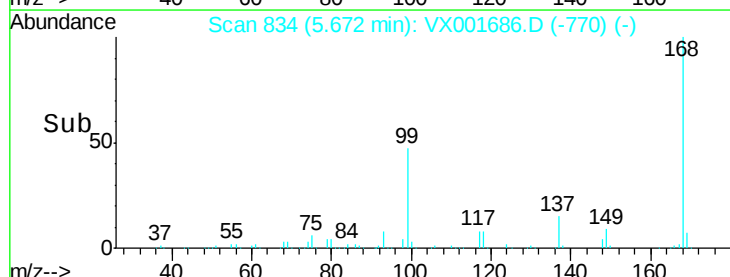
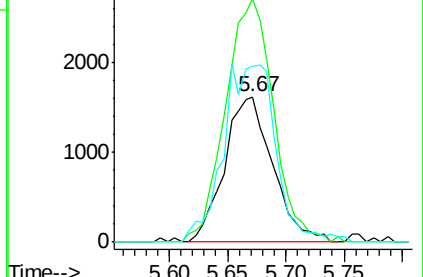
84 117.5 73.8 110.8#

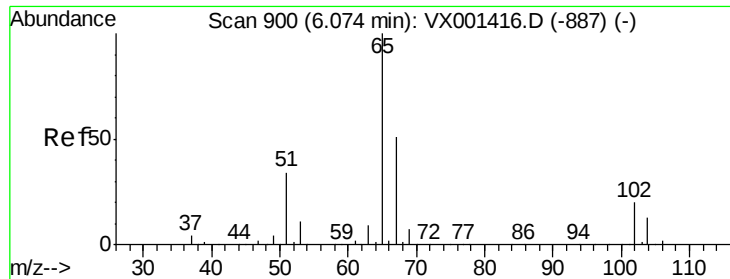


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

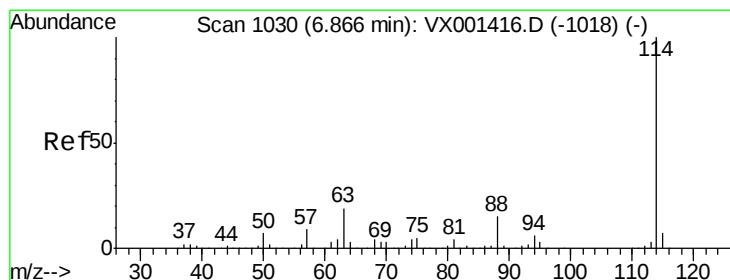
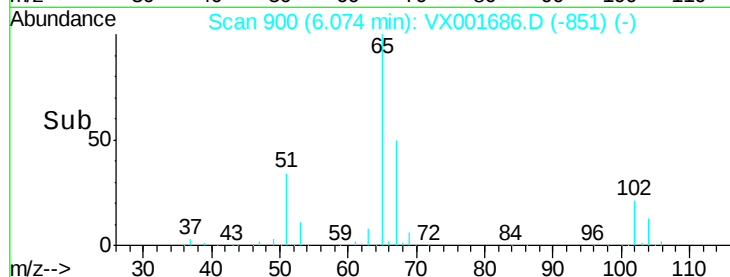
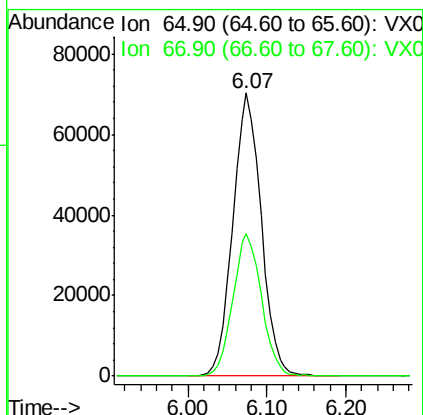
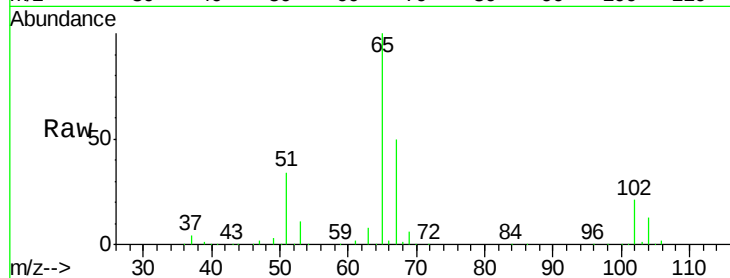




#33
 1,2-Dichloroethane-d4
 Concen: 45.26 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

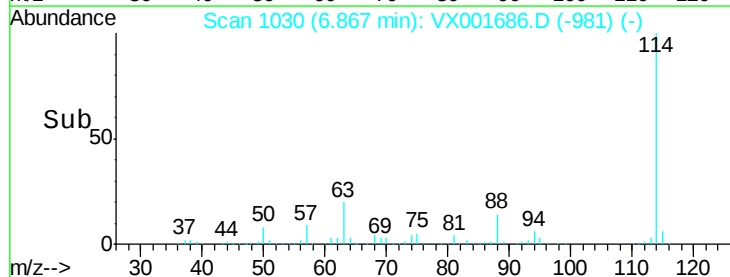
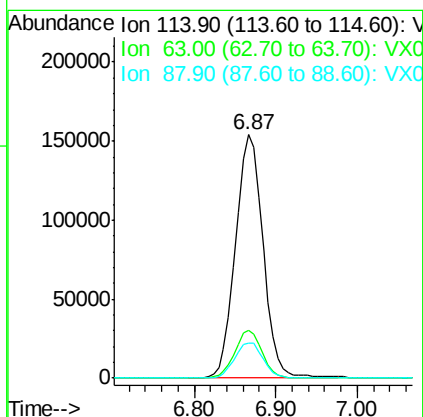
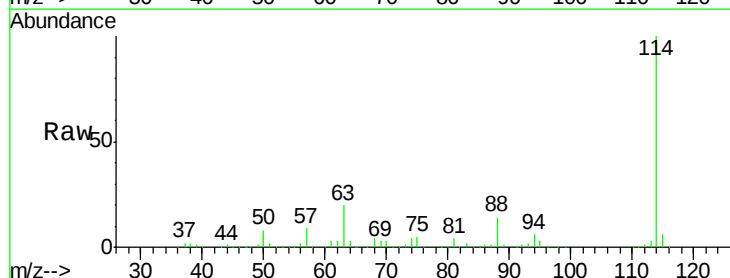
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#02

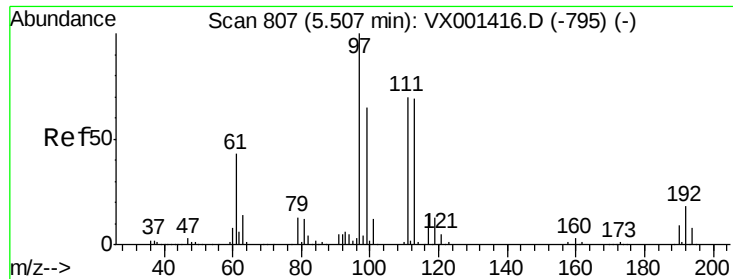
Tgt Ion: 65 Resp: 176451
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

Tgt Ion: 114 Resp: 360092
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 14.5 0.0 30.8

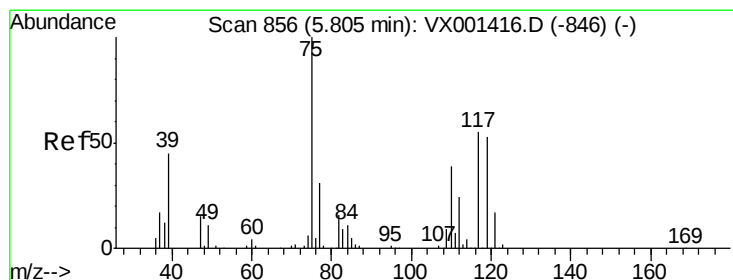
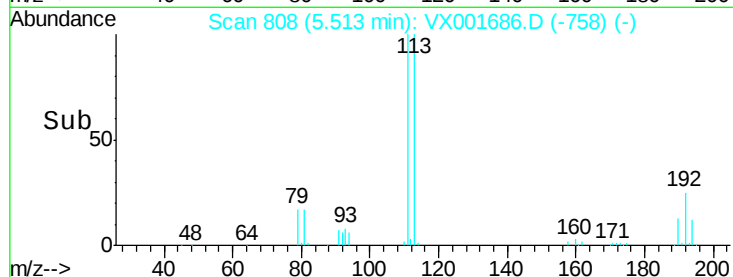
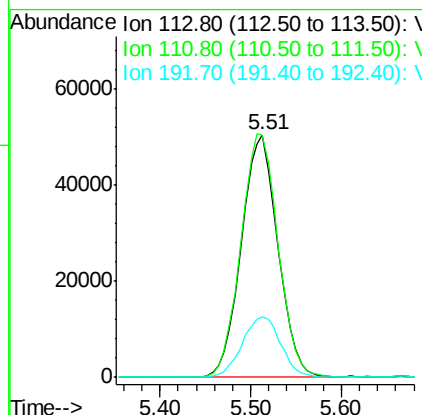
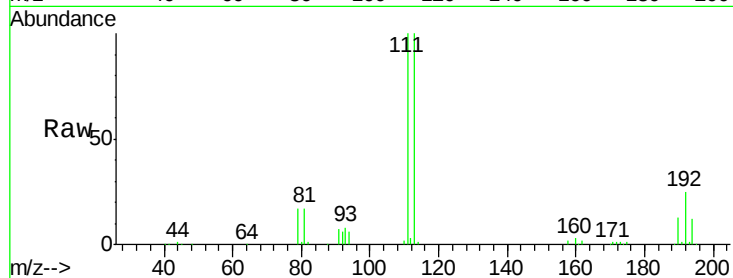




#35
 Dibromofluoromethane
 Concen: 43.91 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

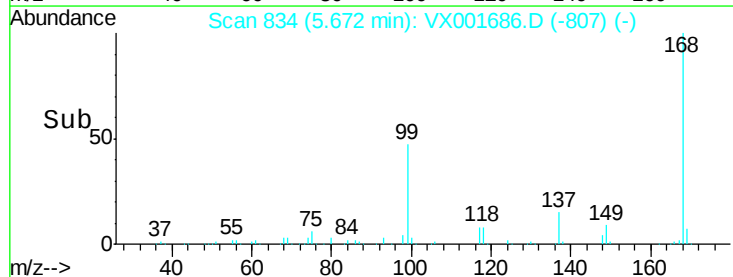
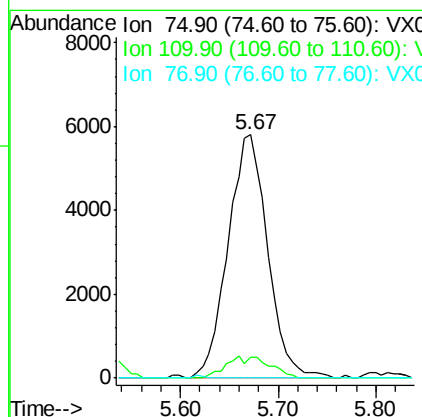
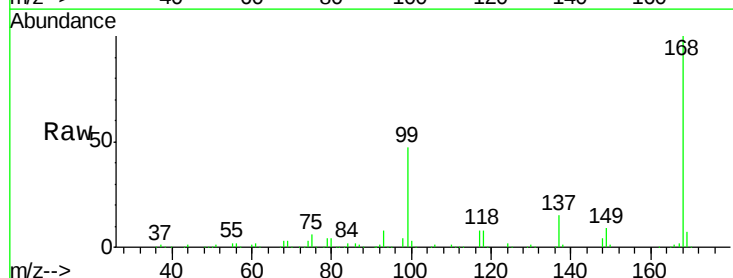
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#02

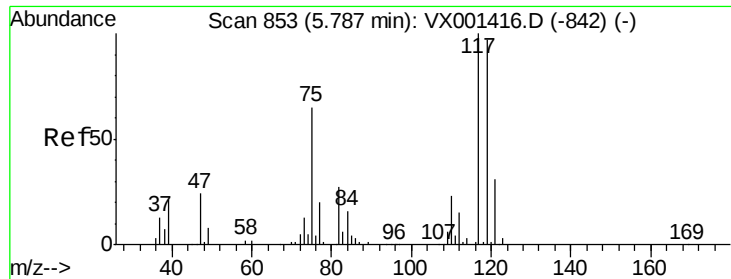
Tgt Ion:113 Resp: 140655
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 26.3 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.55 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

Tgt Ion: 75 Resp: 16271
 Ion Ratio Lower Upper
 75 100
 110 4.6 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.56 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001686.D

Acq: 13 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#02

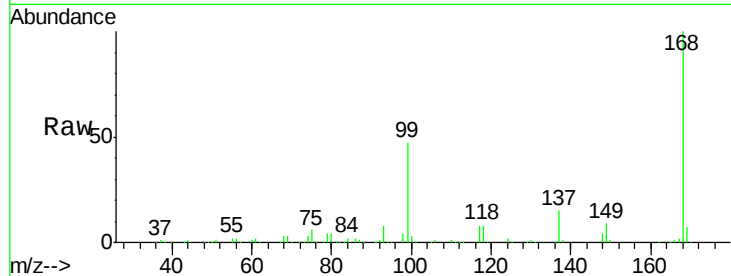
Tgt Ion: 117 Resp: 22275

Ion Ratio Lower Upper

117 100

119 6.1 77.0 115.6#

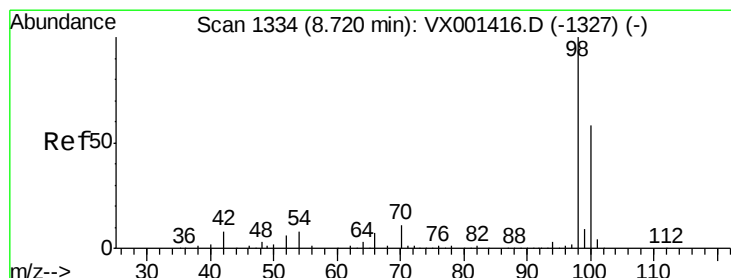
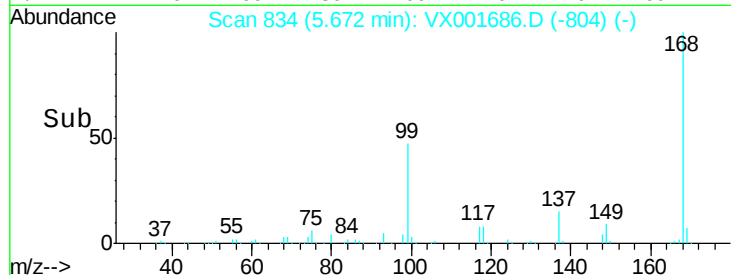
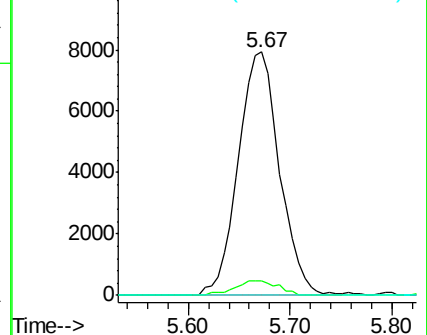
121 0.0 25.1 37.7#



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: 42.80 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001686.D

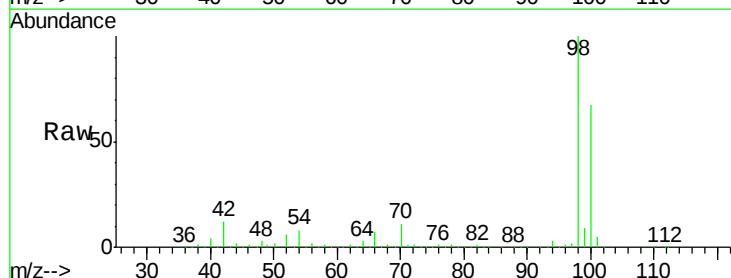
Acq: 13 May 2018 00:14

Tgt Ion: 98 Resp: 500384

Ion Ratio Lower Upper

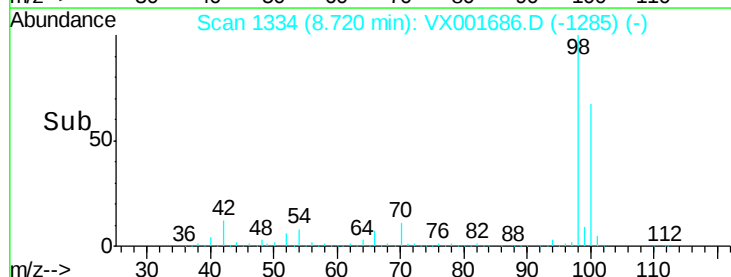
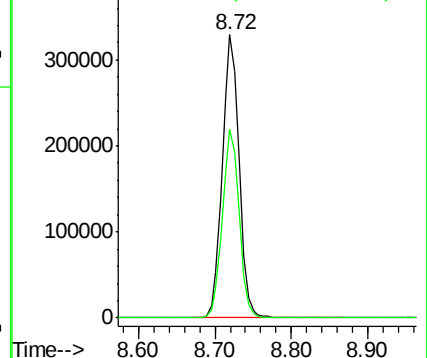
98 100

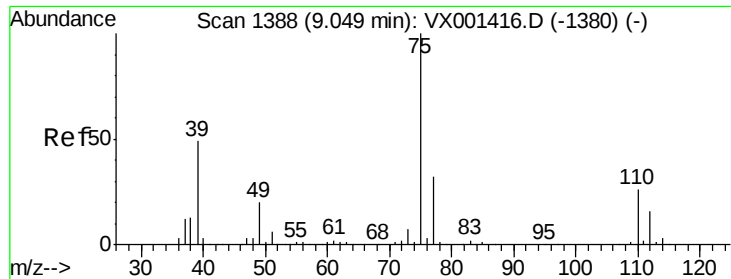
100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

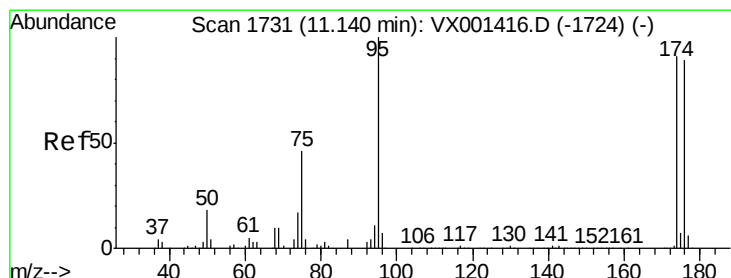
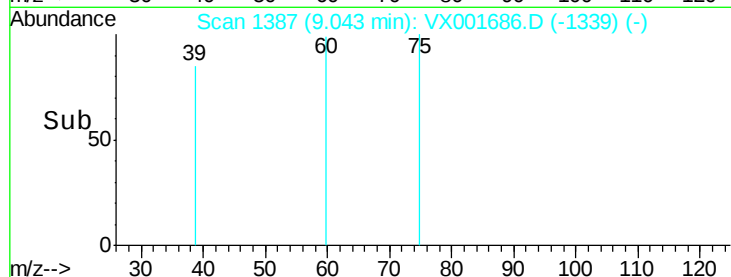
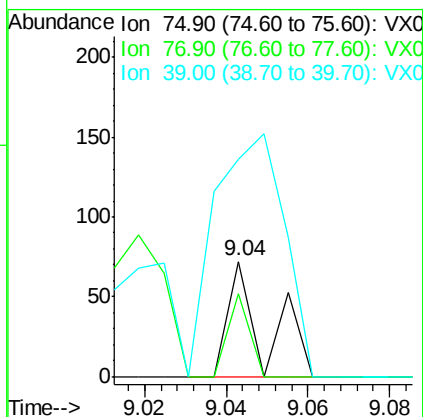
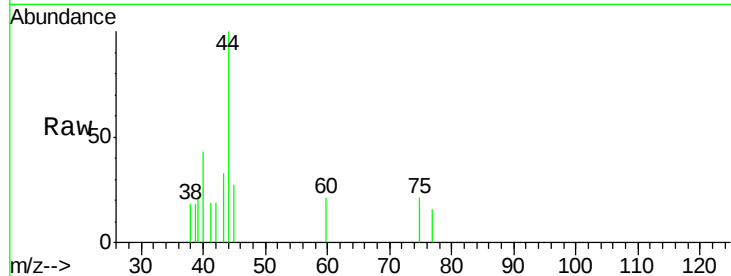




#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

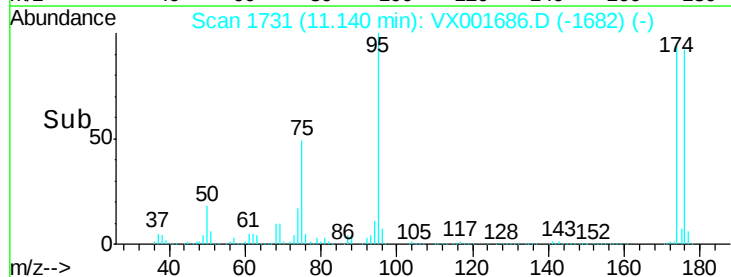
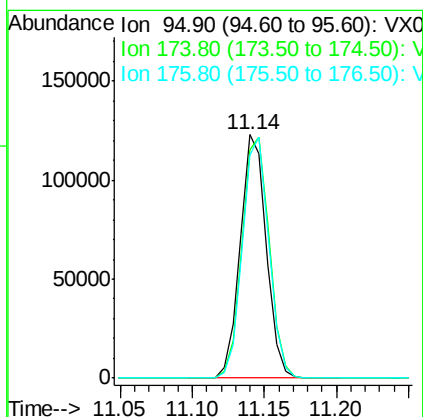
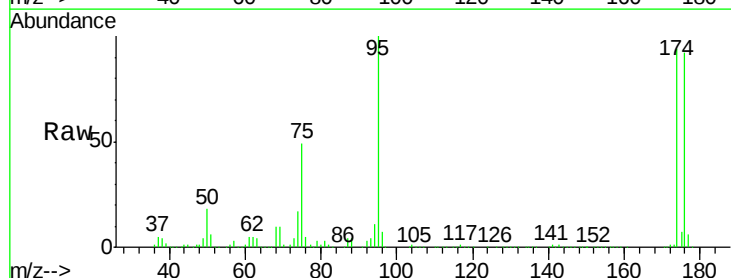
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#02

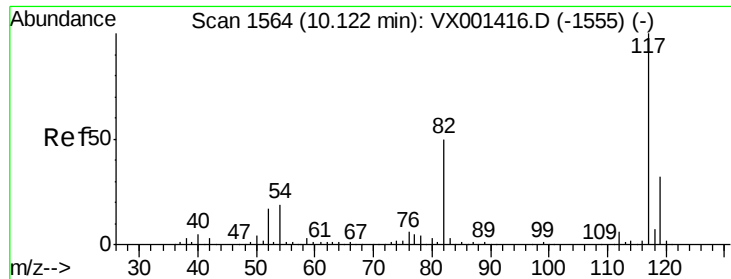
Tgt Ion: 75 Resp: 46
 Ion Ratio Lower Upper
 75 100
 77 72.2 25.5 38.3#
 39 188.9 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 34.33 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

Tgt Ion: 95 Resp: 154096
 Ion Ratio Lower Upper
 95 100
 174 103.0 0.0 202.0
 176 99.9 0.0 197.4

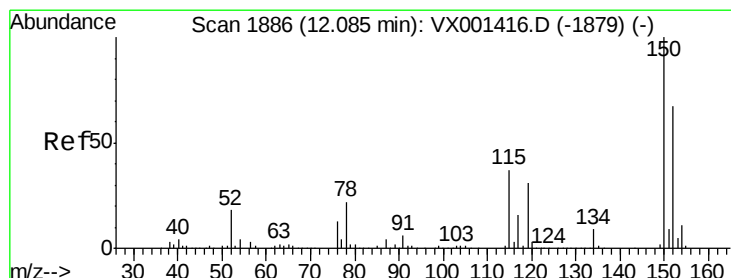
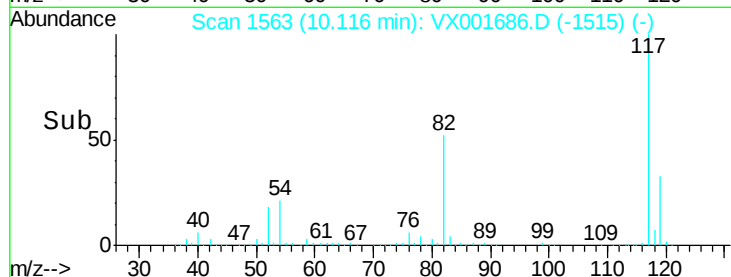
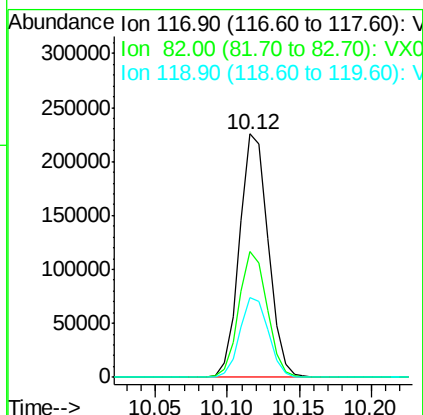
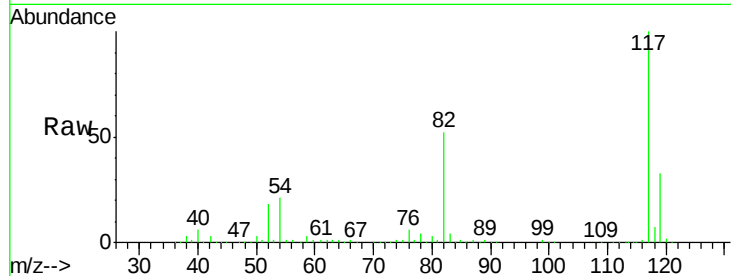




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001686.D
Acq: 13 May 2018 00:14

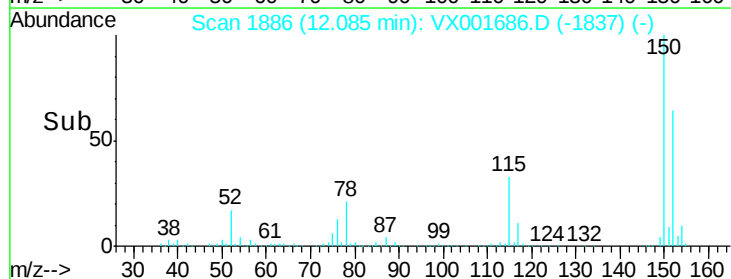
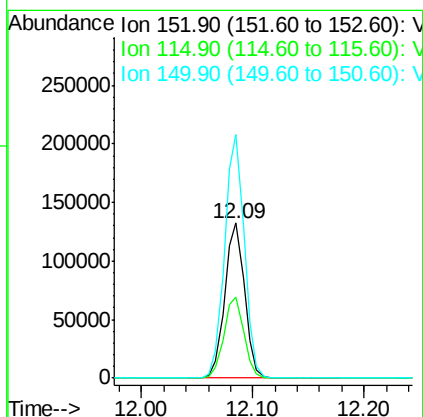
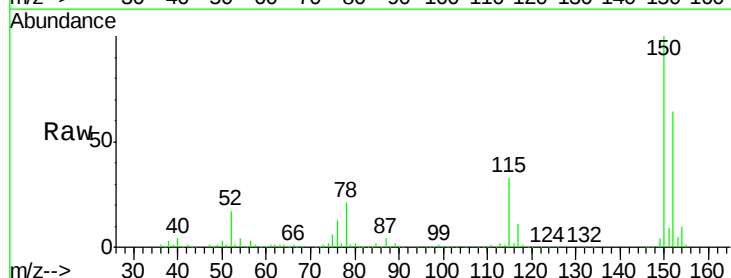
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#02

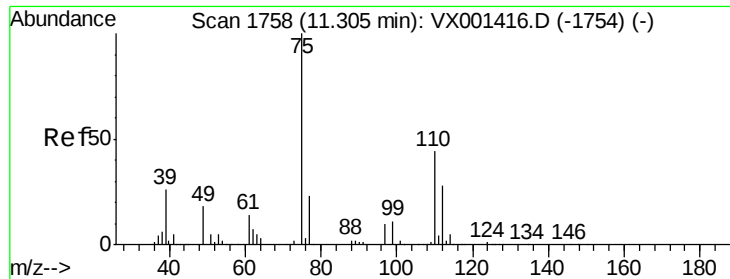
Tgt Ion:117 Resp: 311749
Ion Ratio Lower Upper
117 100
82 51.9 40.0 60.0
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001686.D
Acq: 13 May 2018 00:14

Tgt Ion:152 Resp: 162294
Ion Ratio Lower Upper
152 100
115 52.7 37.7 113.1
150 156.0 0.0 349.4

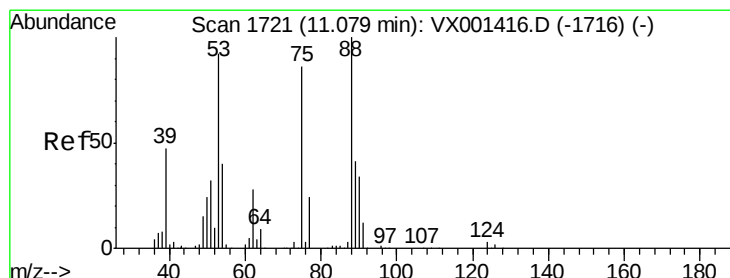
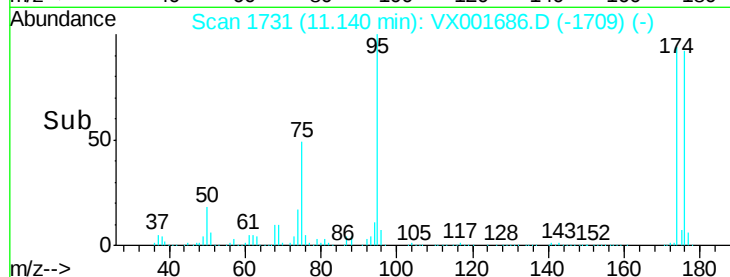
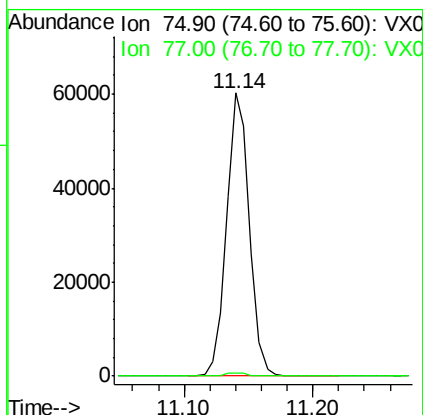
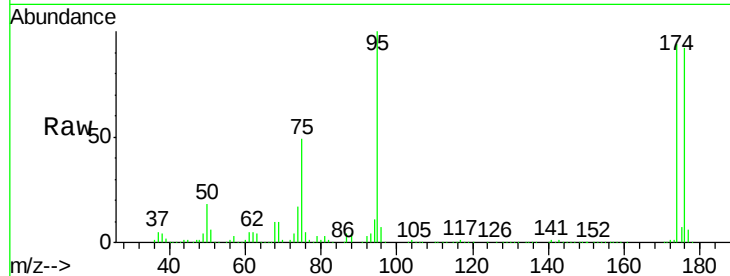




#76
 1,2,3-Trichloropropane
 Concen: 22.73 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#02

Tgt Ion: 75 Resp: 74811
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.54 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001686.D
 Acq: 13 May 2018 00:14

Tgt Ion: 75 Resp: 74811
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

