

Data File : VX001998.D

Acq On : 26 May 2018 01:29

Operator : JC/MD

Sample : PB109661ZHE#06

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#06

Quant Time: May 26 04:25:07 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	437408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	278708	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	
35) Dibromofluoromethane	5.51	113	213980	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	8.72	98	741426	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.14	95	269012	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.22	85	218	Below Cal	#	41
5) Bromomethane	1.65	94	1225	Below Cal		85
6) Chloroethane	1.70	64	1796	0.74	ug/l #	68
10) Methyl Iodide	2.52	142	1417	0.30	ug/l #	80
11) Tert butyl alcohol	3.03	59	2511	2.59	ug/l #	74
16) Acetone	2.45	43	15379	8.06	ug/l	95
18) Methyl Acetate	2.78	43	28609	5.21	ug/l	96
20) Methylene Chloride	2.86	84	6761	0.39	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	177	Below Cal	#	21
25) 2-Butanone	4.71	43	3422	0.98	ug/l	98
28) Bromochloromethane	5.06	49	19	Below Cal	#	14
29) Tetrahydrofuran	5.18	42	1537	0.68	ug/l #	74
31) Cyclohexane	5.67	56	5549	0.81	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19432	3.19	ug/l #	52
38) Carbon Tetrachloride	5.67	117	25709	3.62	ug/l #	14
41) Methacrylonitrile	5.07	41	119	Below Cal	#	14
74) N-amyl acetate	6.47	43	300	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.23	83	322	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	140311	28.36	ug/l #	33
79) 2-Chlorotoluene	11.42	91	463	Below Cal		76
81) trans-1,4-Dichloro-2-buten	11.14	75	140311	68.17	ug/l #	10

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

Data File : VX001998.D

Acq On : 26 May 2018 01:29

Operator : JC/MD

Sample : PB109661ZHE#06

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 35 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

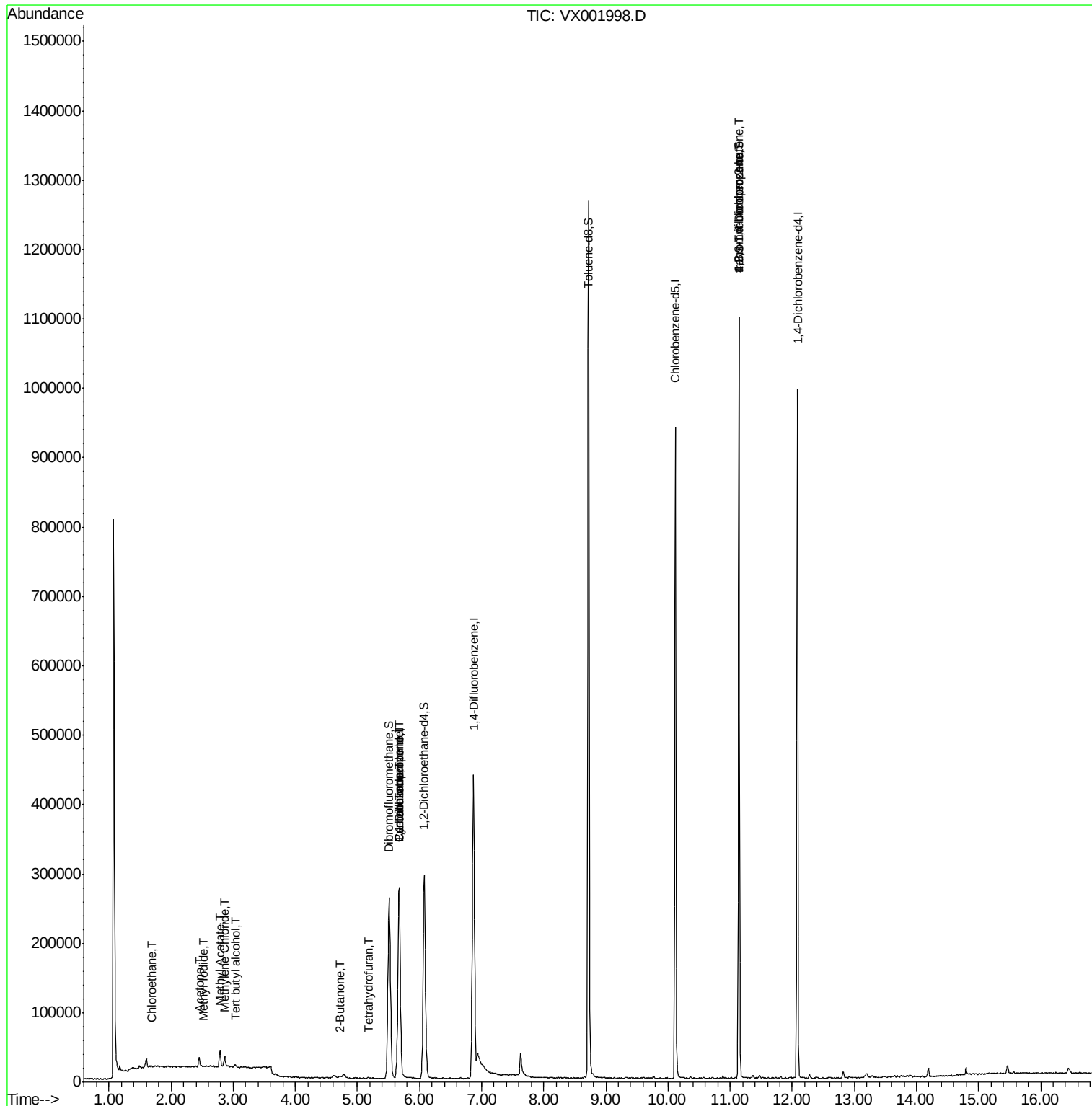
Quant Time: May 26 04:25:07 2018

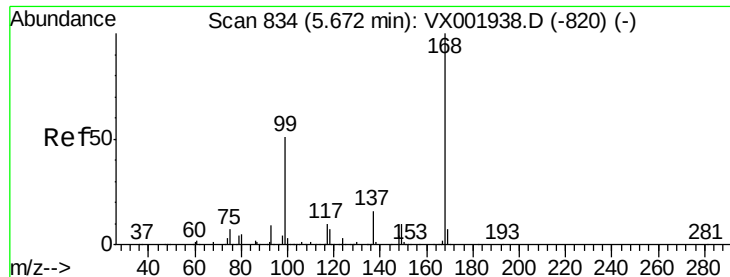
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 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: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

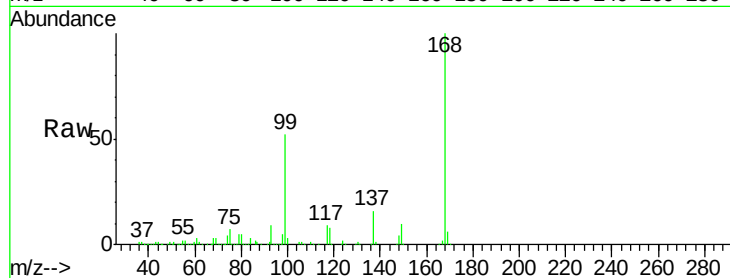
PB109661ZHE#06

Tgt Ion:168 Resp: 276490

Ion Ratio Lower Upper

168 100

99 51.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

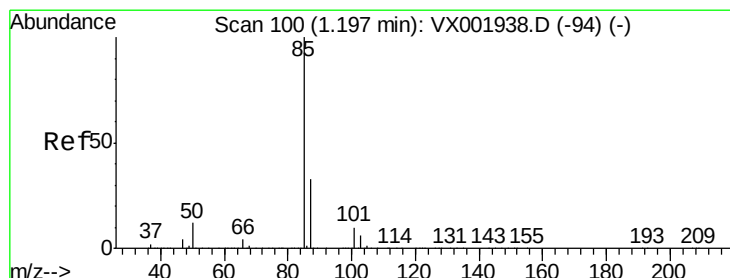
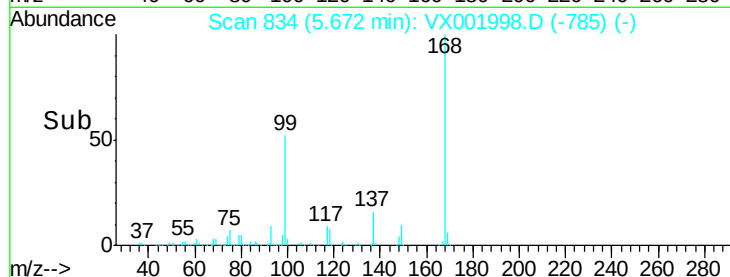
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.22 min Scan# 103

Delta R.T. 0.02 min

Lab File: VX001998.D

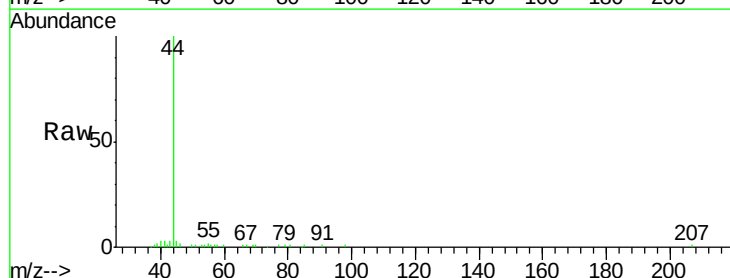
Acq: 26 May 2018 01:29

Tgt Ion: 85 Resp: 218

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.22

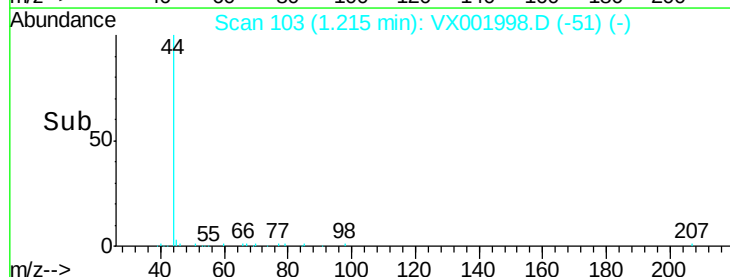
150

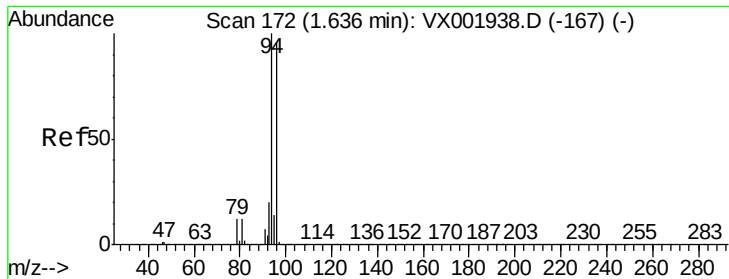
100

50

0

Time--> 1.20 1.25





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

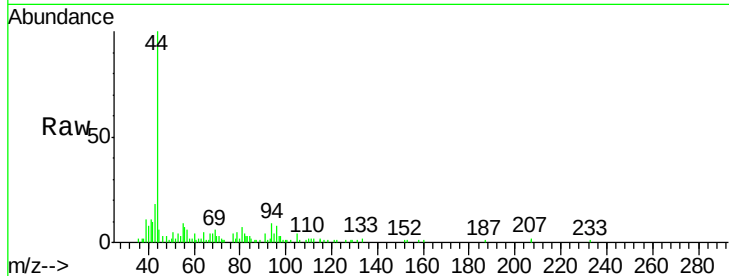
PB109661ZHE#06

Tgt Ion: 94 Resp: 1225

Ion Ratio Lower Upper

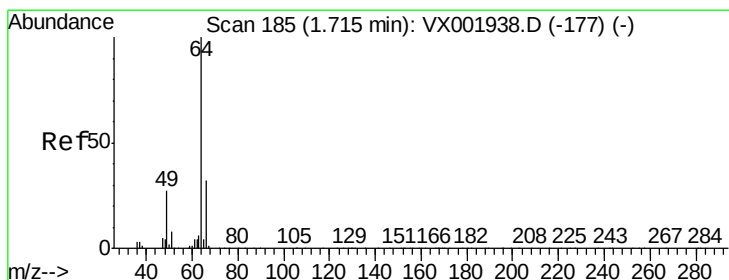
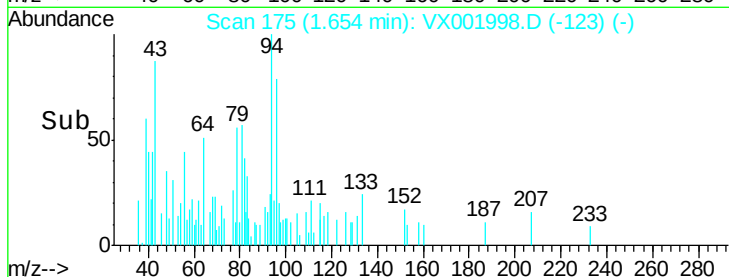
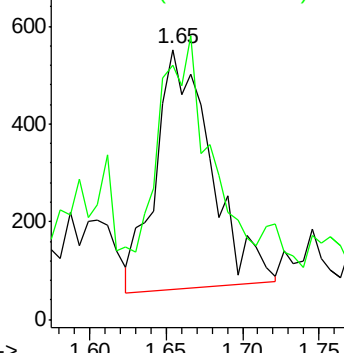
94 100

96 80.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.74 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX001998.D

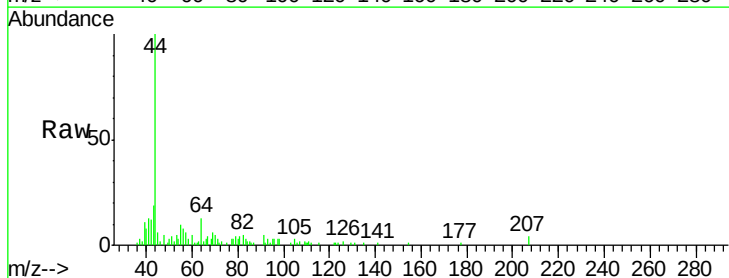
Acq: 26 May 2018 01:29

Tgt Ion: 64 Resp: 1796

Ion Ratio Lower Upper

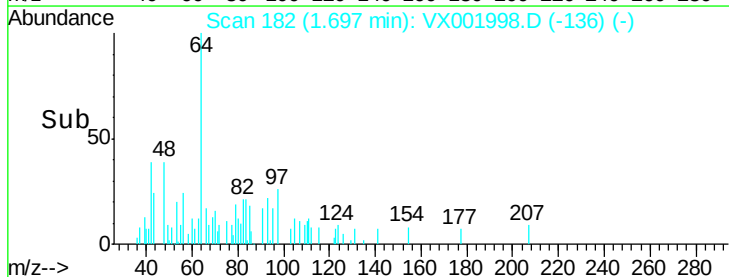
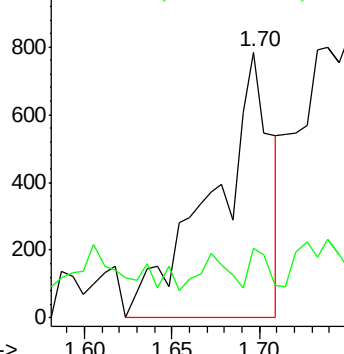
64 100

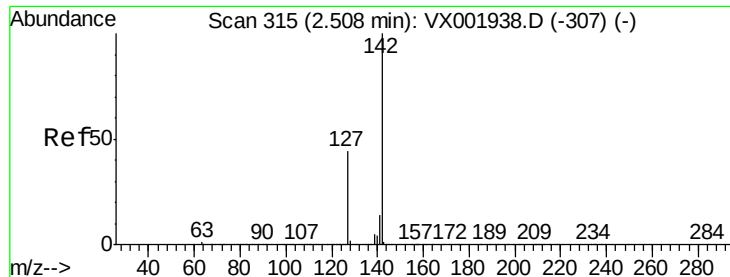
66 14.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

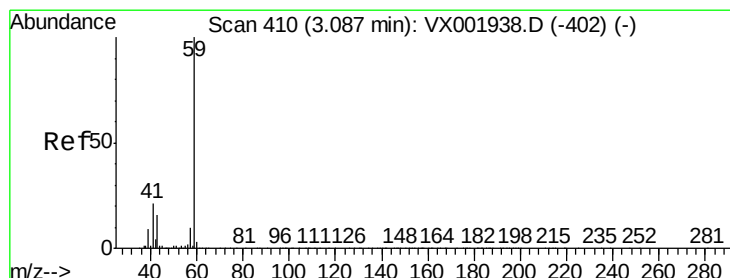
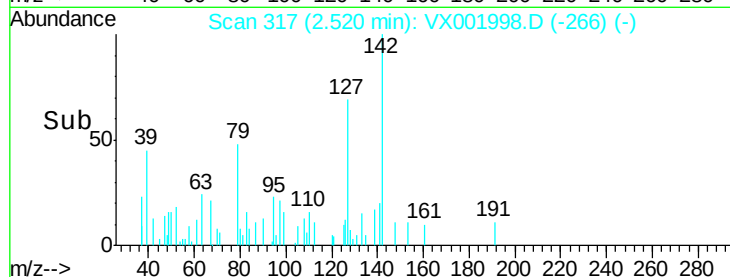
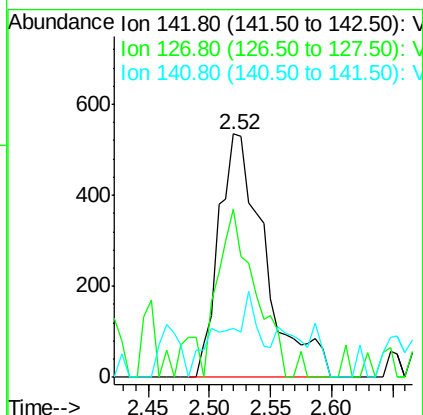
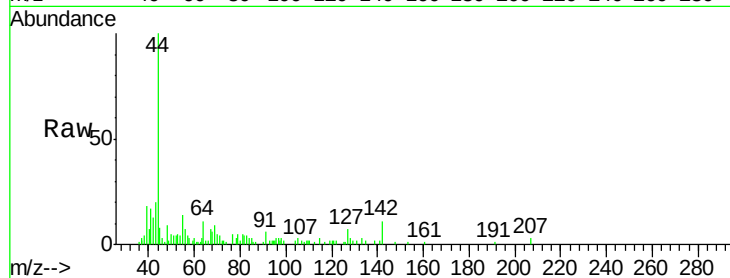




#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

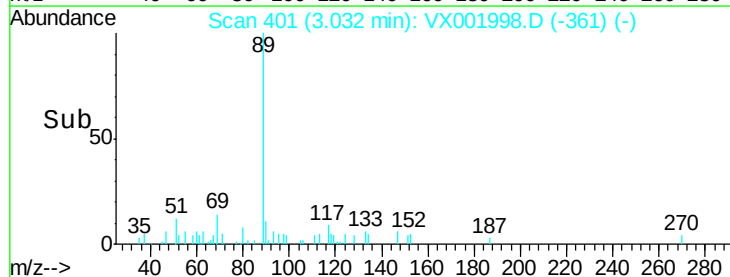
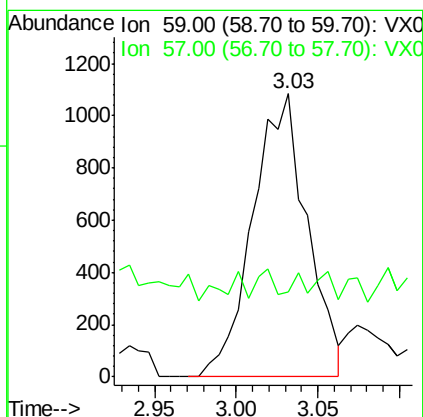
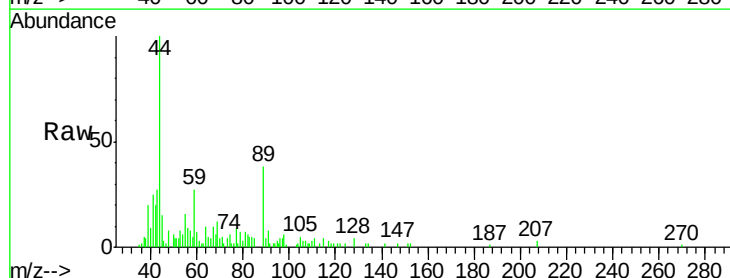
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#06

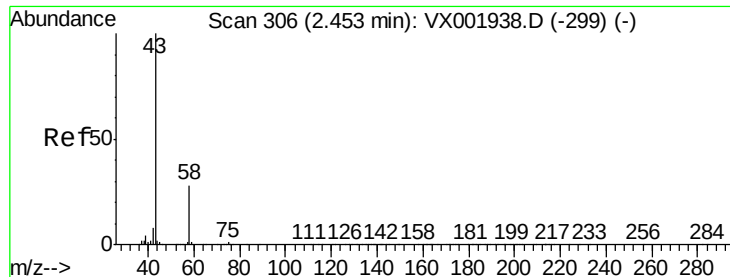
Tgt Ion: 142 Resp: 1417
Ion Ratio Lower Upper
142 100
127 55.0 35.5 53.3#
141 27.7 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.59 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

Tgt Ion: 59 Resp: 2511
Ion Ratio Lower Upper
59 100
57 1.2 8.9 13.3#

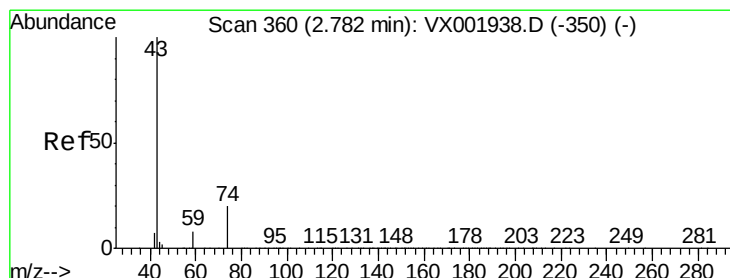
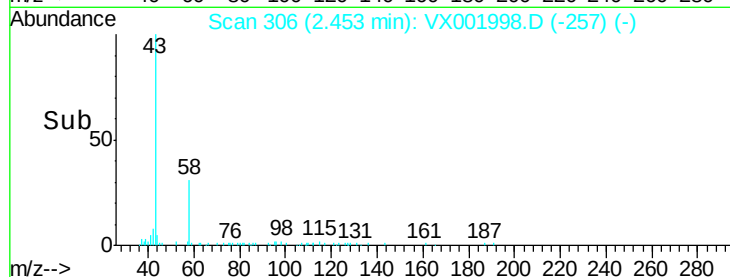
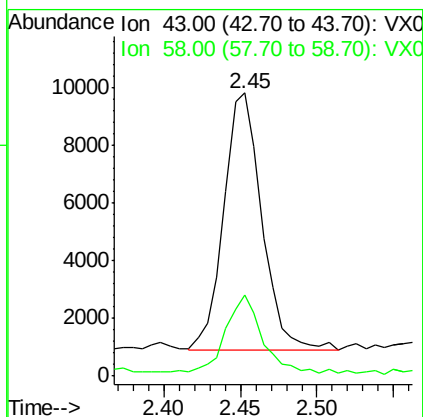
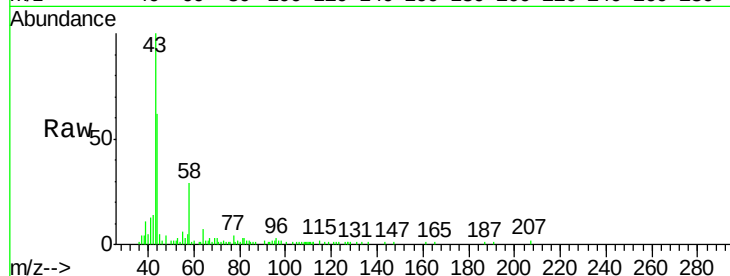




#16
Acetone
Concen: 8.06 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

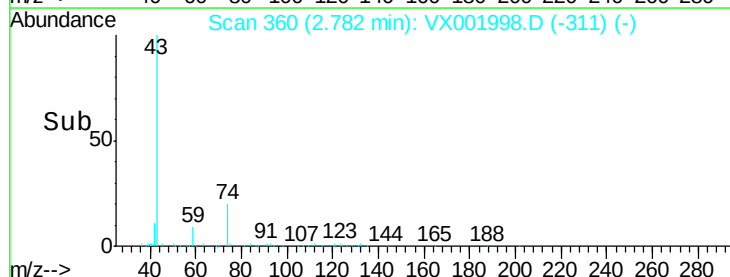
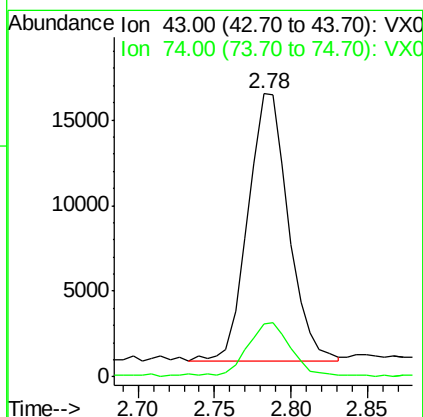
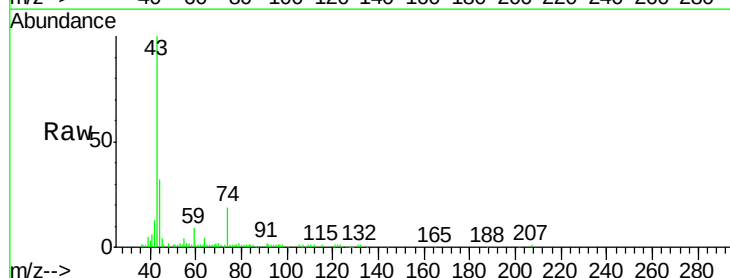
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#06

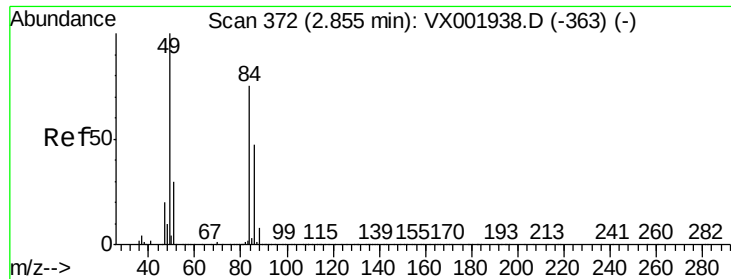
Tgt Ion: 43 Resp: 15379
Ion Ratio Lower Upper
43 100
58 30.3 22.3 33.5



#18
Methyl Acetate
Concen: 5.21 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

Tgt Ion: 43 Resp: 28609
Ion Ratio Lower Upper
43 100
74 22.9 16.8 25.2

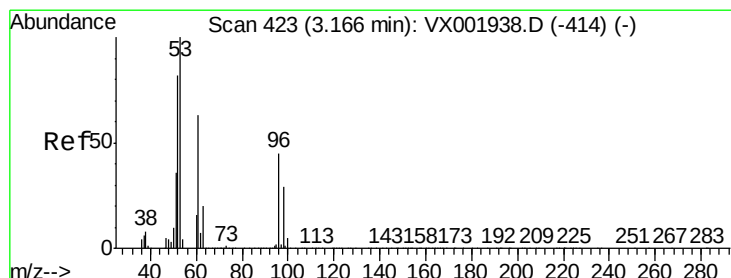
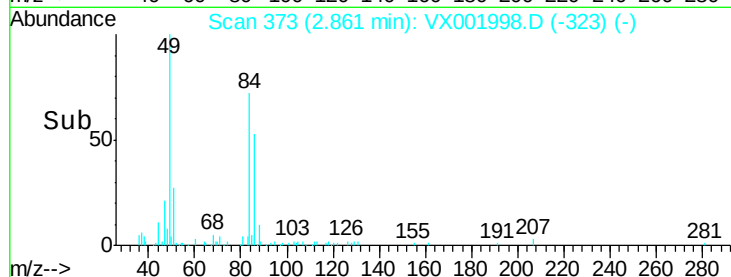
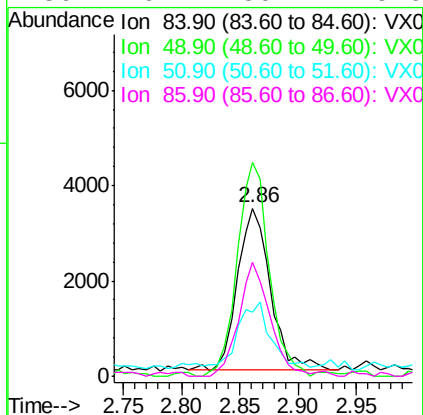
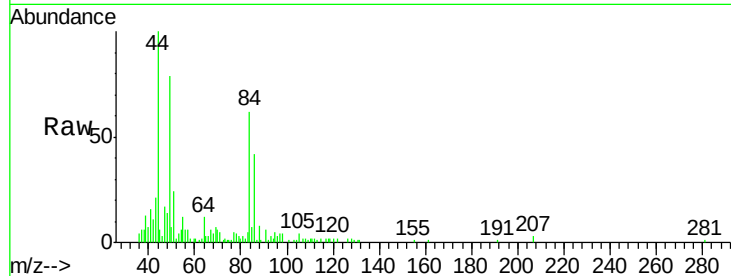




#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

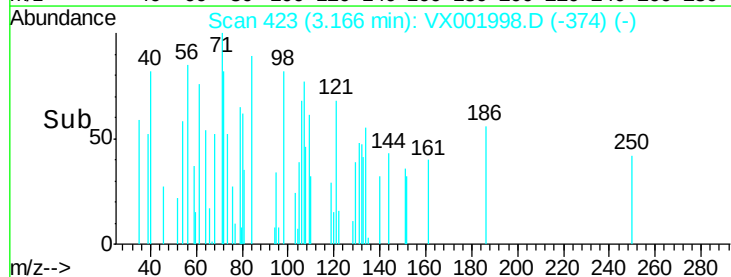
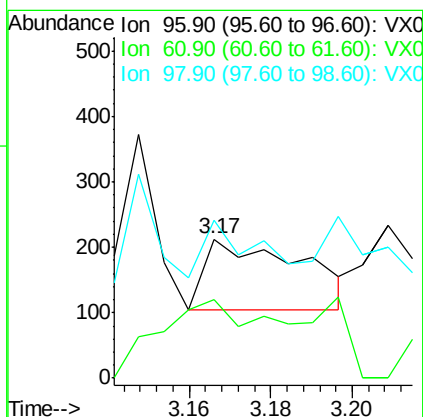
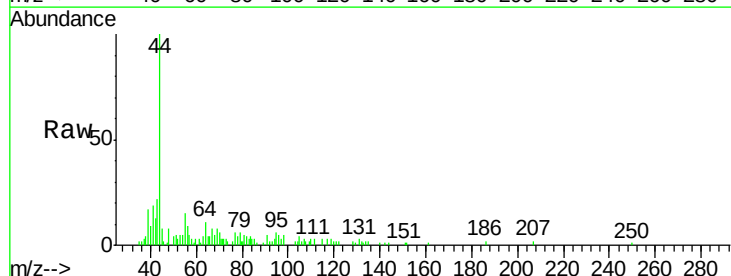
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#06

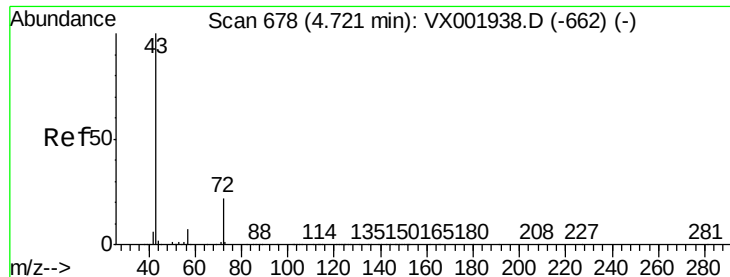
Tgt Ion:	84	Resp:	6761
Ion	Ratio	Lower	Upper
84	100		
49	130.2	107.2	160.8
51	34.1	32.4	48.6
86	70.1	50.4	75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

Tgt Ion:	96	Resp:	177
Ion	Ratio	Lower	Upper
96	100		
61	13.9	113.3	169.9#
98	82.4	51.7	77.5#





#25

2-Butanone

Concen: 0.98 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

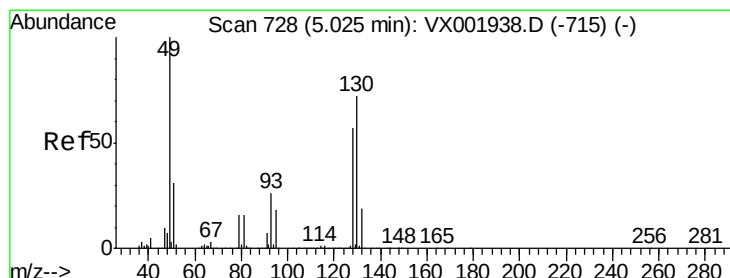
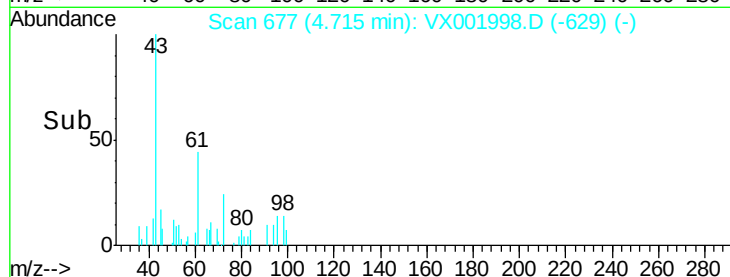
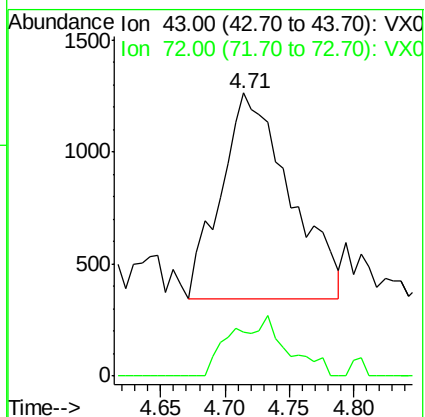
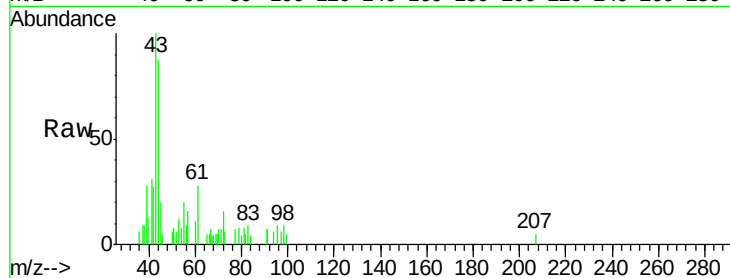
PB109661ZHE#06

Tgt Ion: 43 Resp: 3422

Ion Ratio Lower Upper

43 100

72 21.3 17.9 26.9



#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 734

Delta R.T. 0.04 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

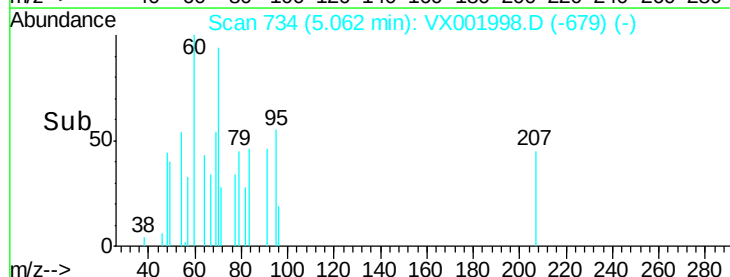
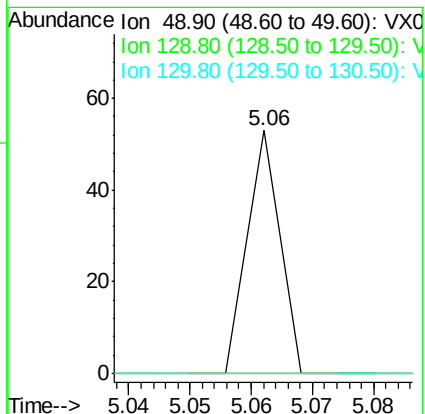
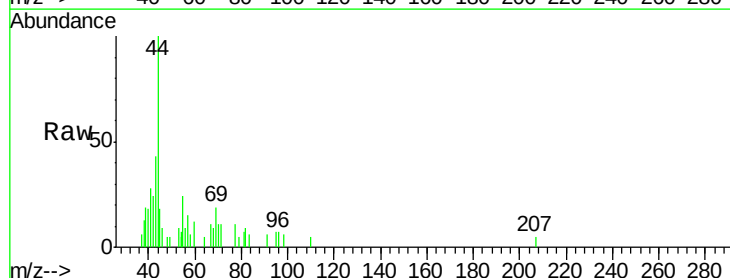
Tgt Ion: 49 Resp: 19

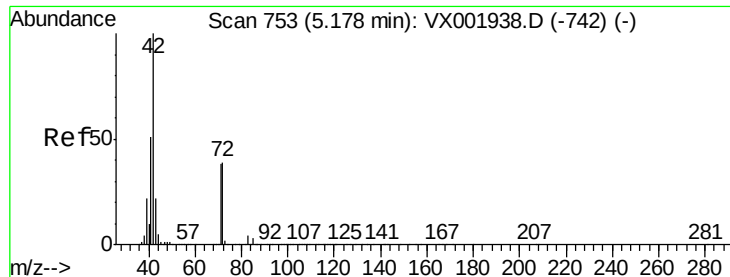
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.4 89.2#





#29

Tetrahydrofuran

Concen: 0.68 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

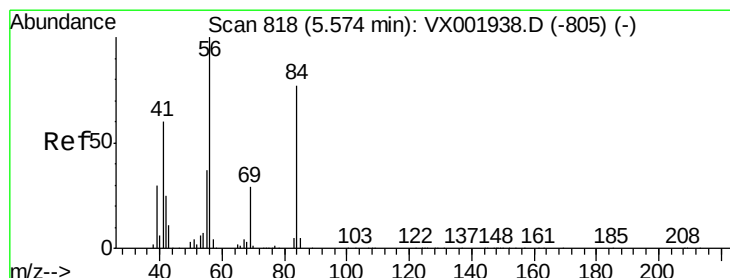
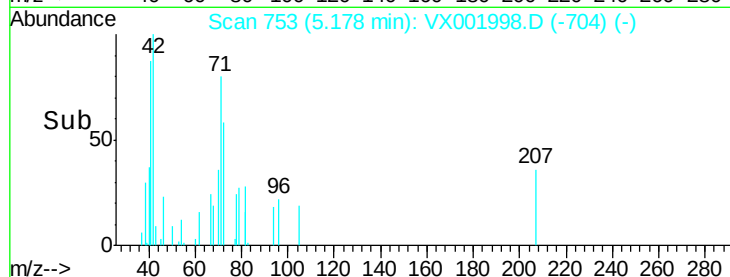
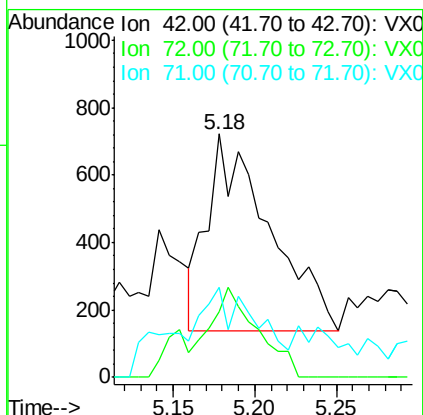
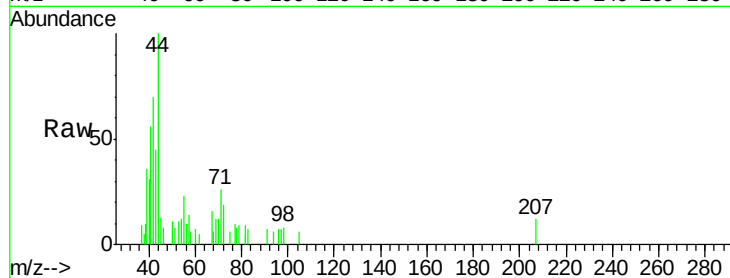
Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

Tgt Ion:	42	Resp:	1537
Ion	Ratio	Lower	Upper
42	100		
72	35.3	31.4	47.0
71	8.9	29.5	44.3#



#31

Cyclohexane

Concen: 0.81 ug/l

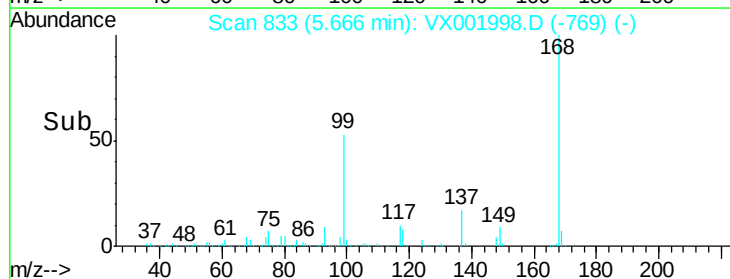
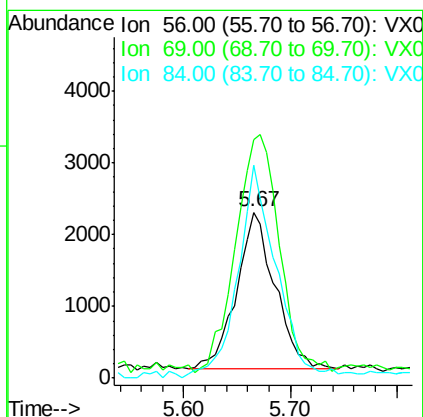
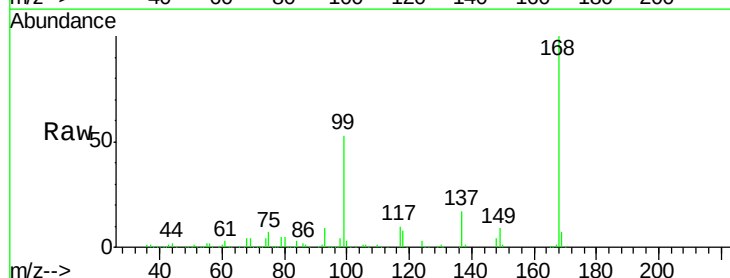
RT: 5.67 min Scan# 833

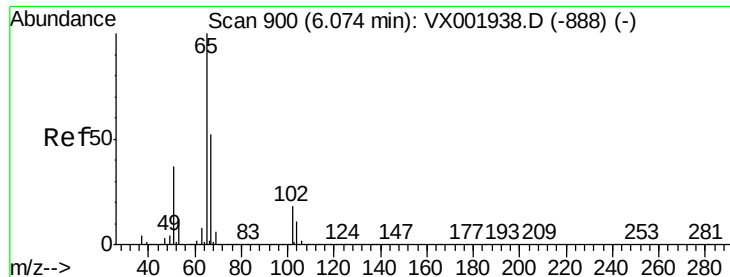
Delta R.T. 0.09 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Tgt Ion:	56	Resp:	5549
Ion	Ratio	Lower	Upper
56	100		
69	146.5	23.1	34.7#
84	133.8	62.0	93.0#

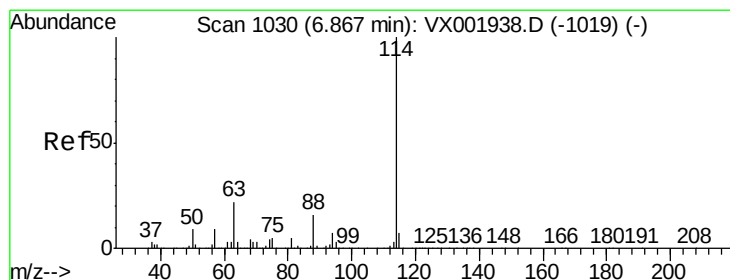
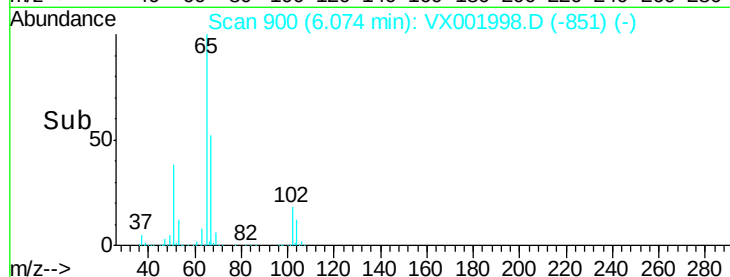
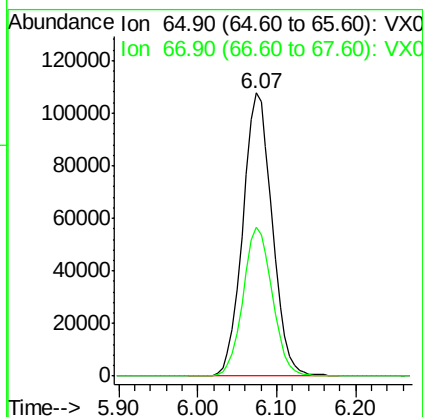
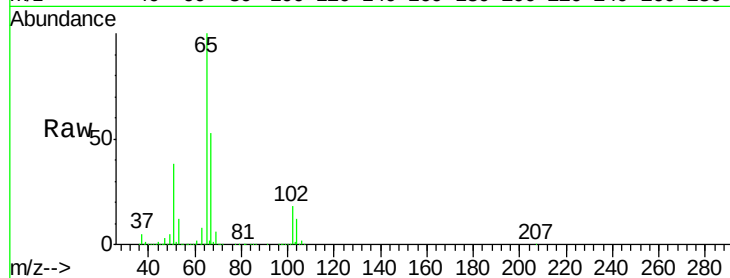




#33
 1,2-Dichloroethane-d4
 Concen: 56.39 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001998.D
 Acq: 26 May 2018 01:29

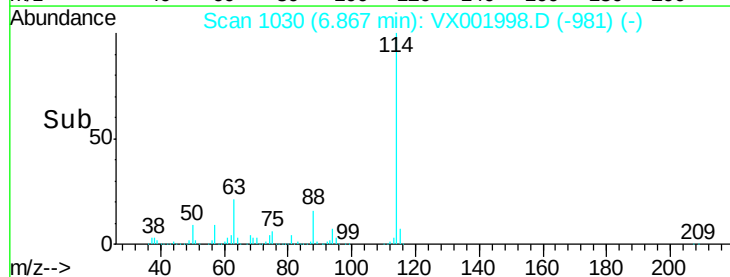
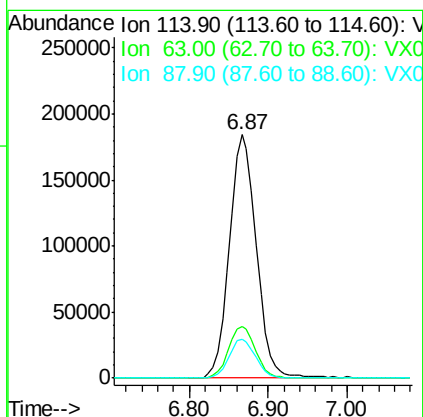
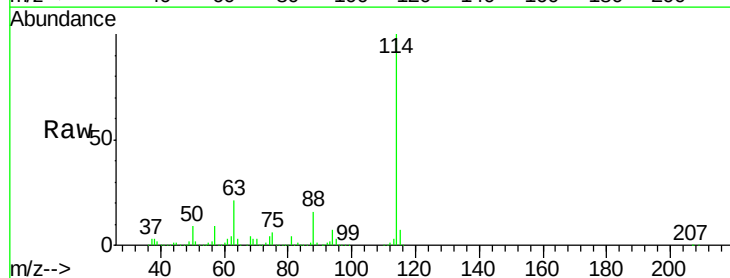
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#06

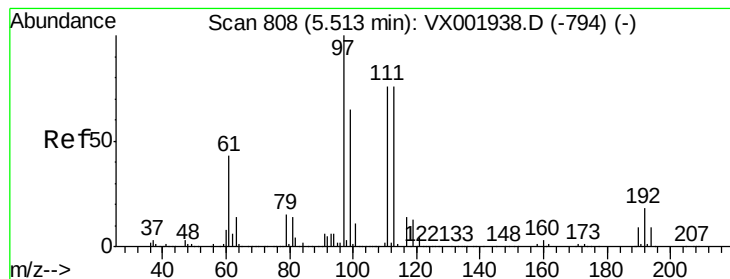
Tgt Ion: 65 Resp: 278708
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001998.D
 Acq: 26 May 2018 01:29

Tgt Ion: 114 Resp: 437408
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.92 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

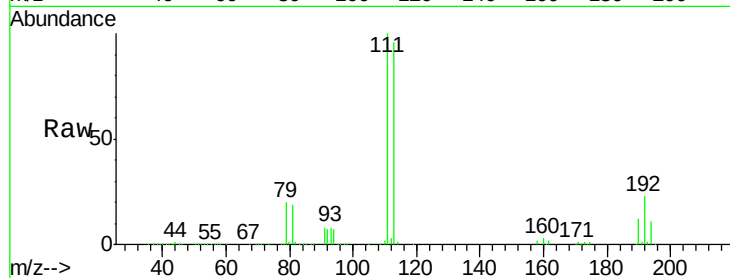
Tgt Ion:113 Resp: 213980

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

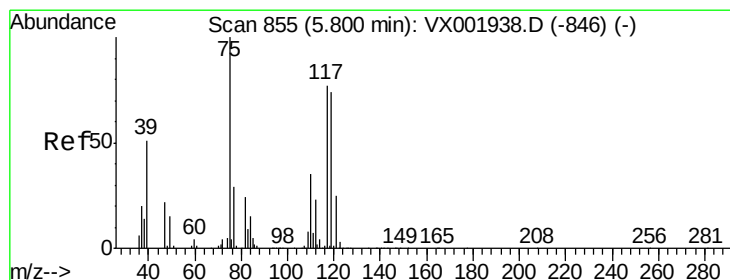
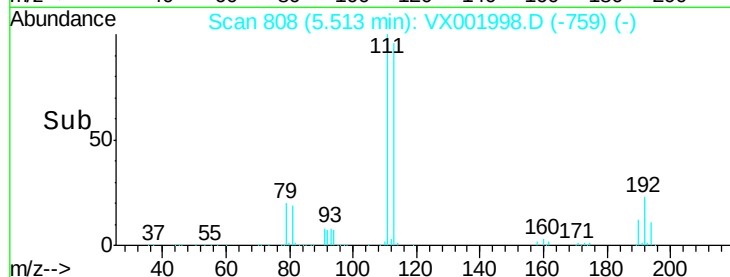
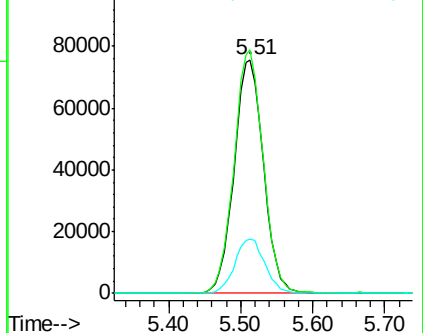
192 23.8 18.9 28.3



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: 3.19 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

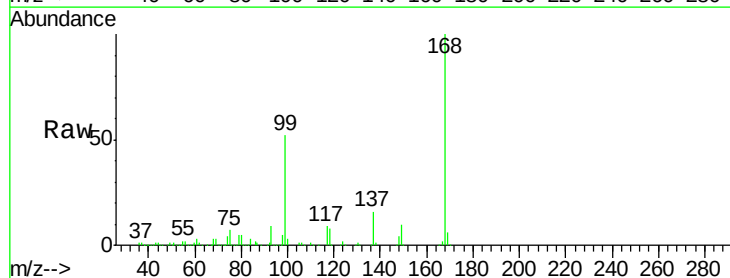
Tgt Ion: 75 Resp: 19432

Ion Ratio Lower Upper

75 100

110 10.7 17.4 52.2#

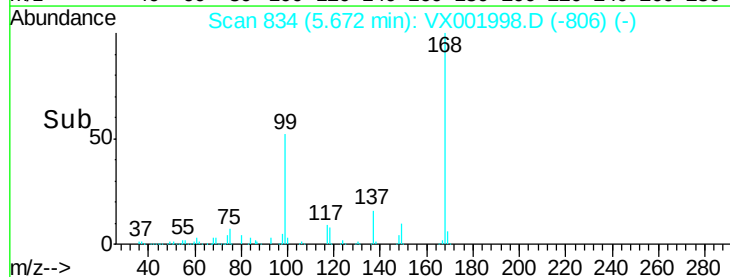
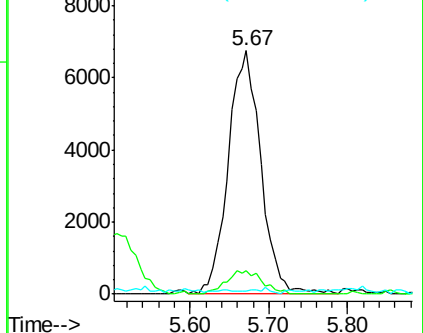
77 0.0 24.4 36.6#

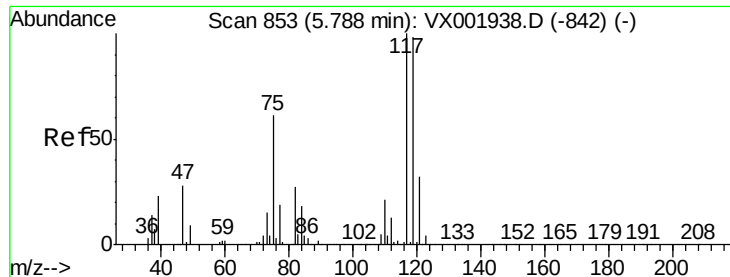


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.62 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

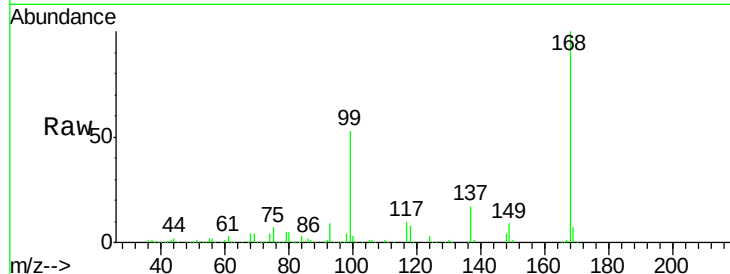
Tgt Ion: 117 Resp: 25709

Ion Ratio Lower Upper

117 100

119 4.3 78.5 117.7#

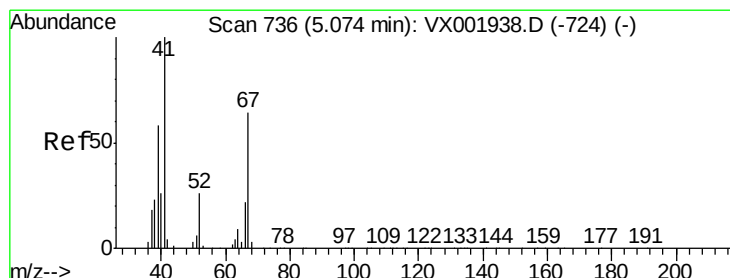
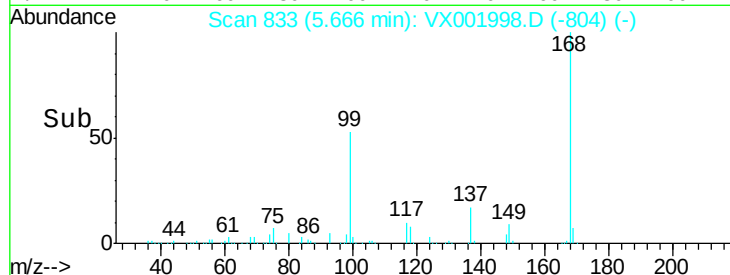
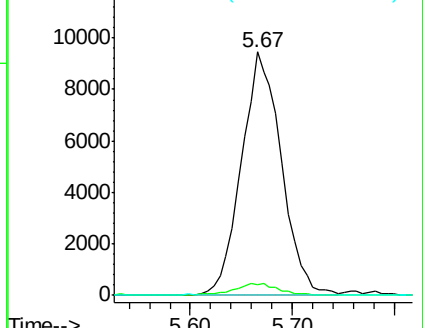
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Tgt Ion: 41 Resp: 119

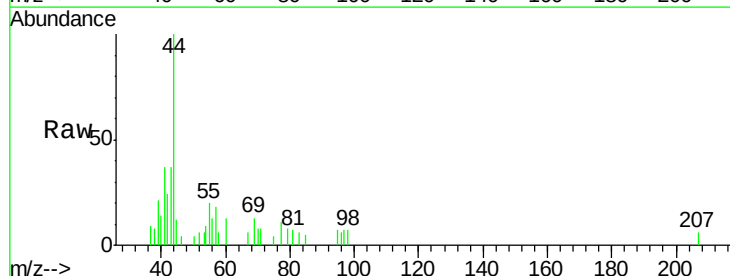
Ion Ratio Lower Upper

41 100

39 0.0 46.0 69.0#

67 0.0 50.6 75.8#

52 88.2 21.9 32.9#

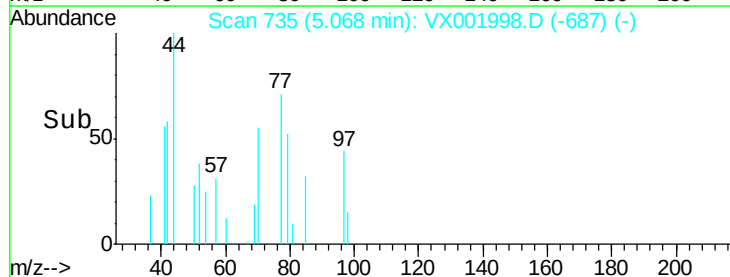
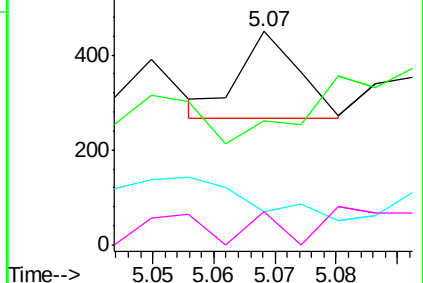


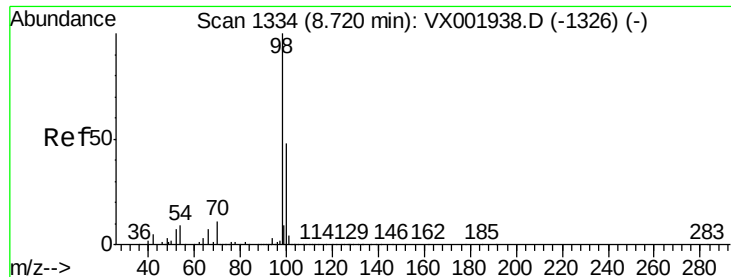
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

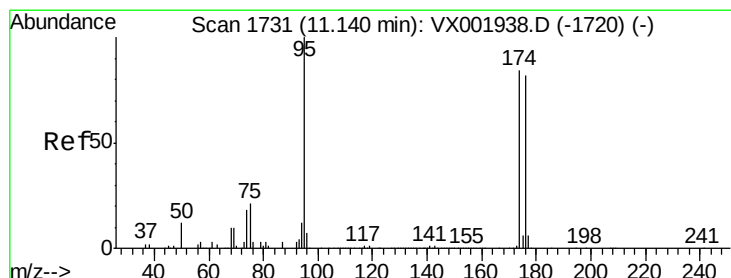
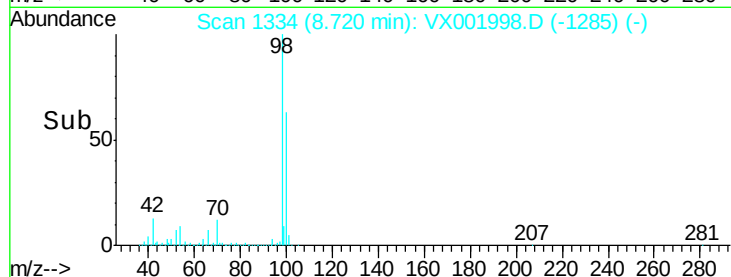
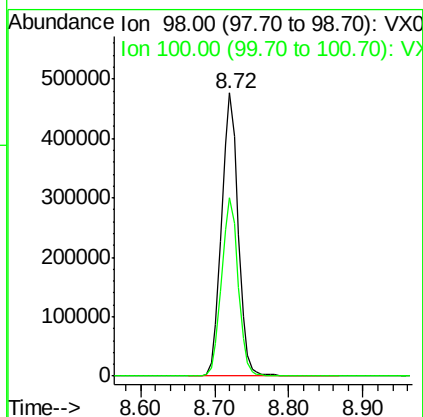
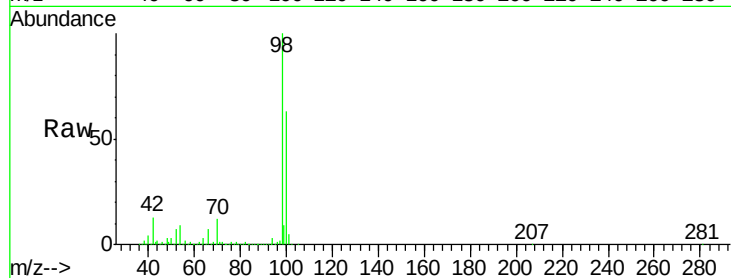




#50
Toluene-d8
Concen: 46.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

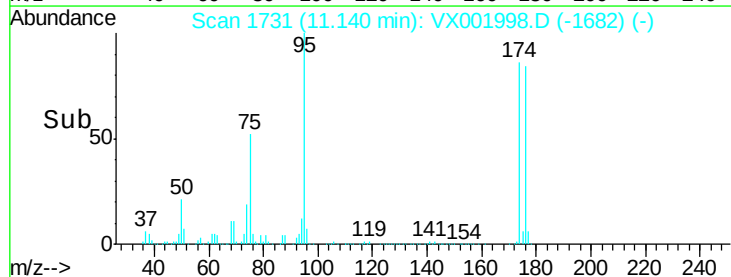
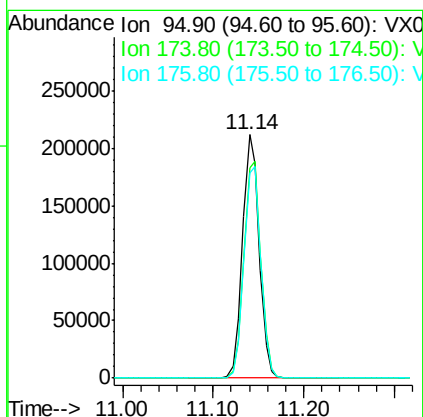
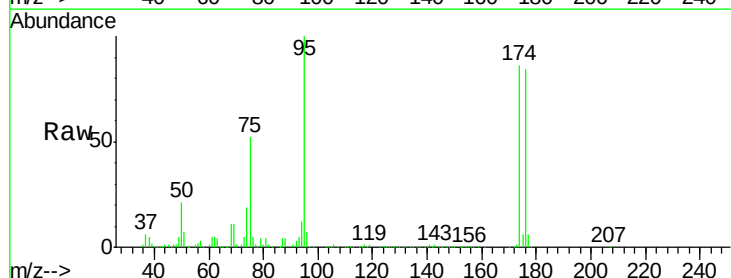
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#06

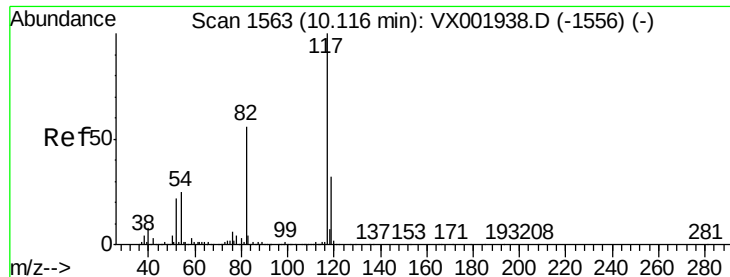
Tgt Ion: 98 Resp: 741426
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 43.42 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001998.D
Acq: 26 May 2018 01:29

Tgt Ion: 95 Resp: 269012
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.8
176 89.3 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

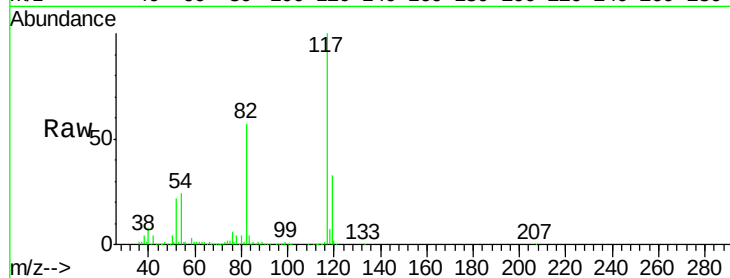
Tgt Ion:117 Resp: 398314

Ion Ratio Lower Upper

117 100

82 56.8 44.8 67.2

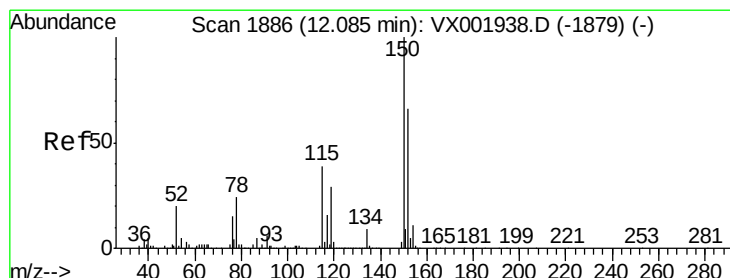
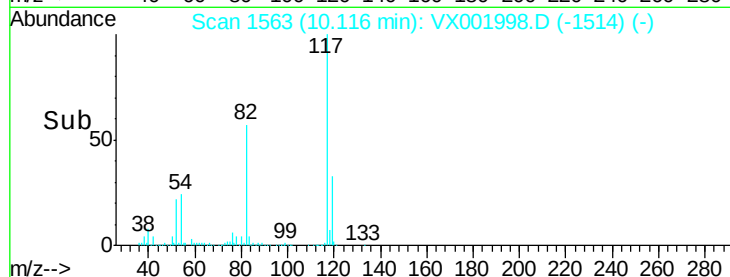
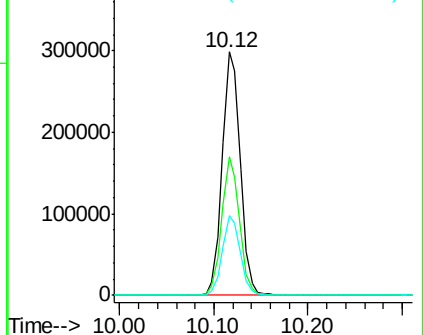
119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

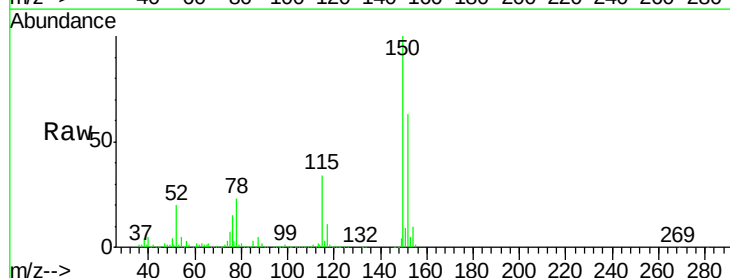
Tgt Ion:152 Resp: 205950

Ion Ratio Lower Upper

152 100

115 56.0 42.3 126.8

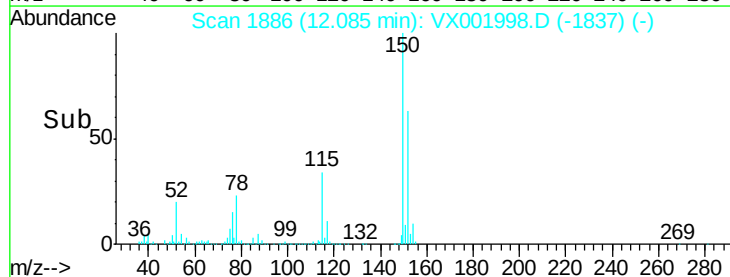
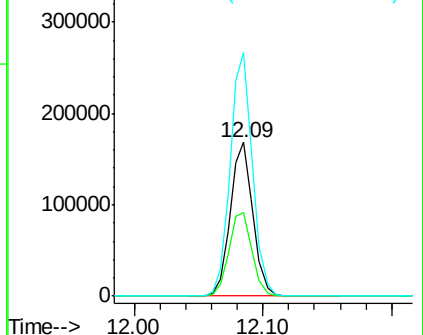
150 156.6 0.0 351.0

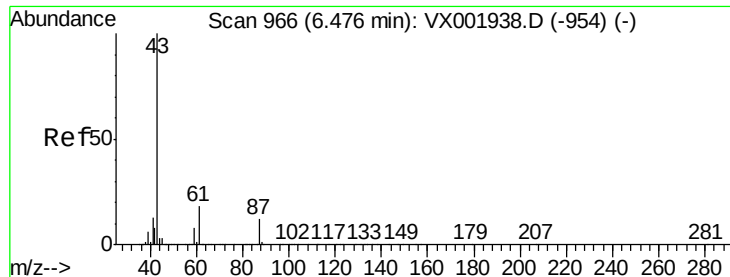


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

Tgt Ion: 43 Resp: 300

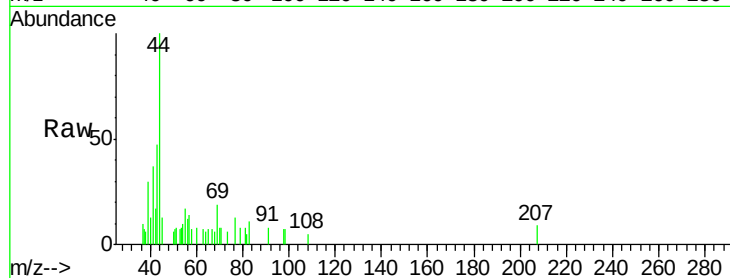
Ion Ratio Lower Upper

43 100

70 96.7 0.1 0.1#

55 57.7 0.1 0.1#

61 0.0 14.5 21.7#

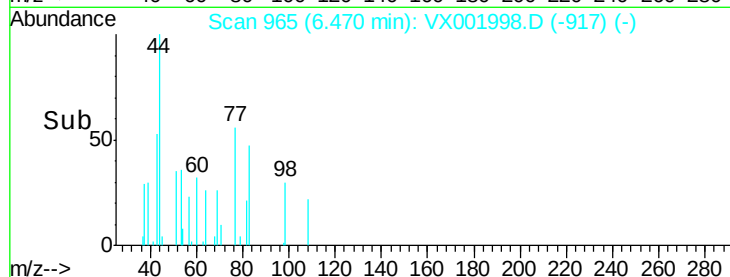
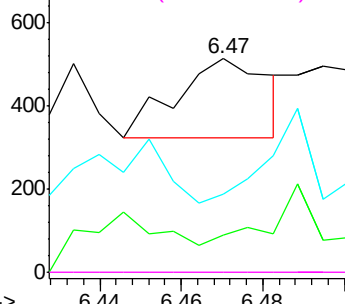


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.23 min Scan# 1746

Delta R.T. -0.04 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

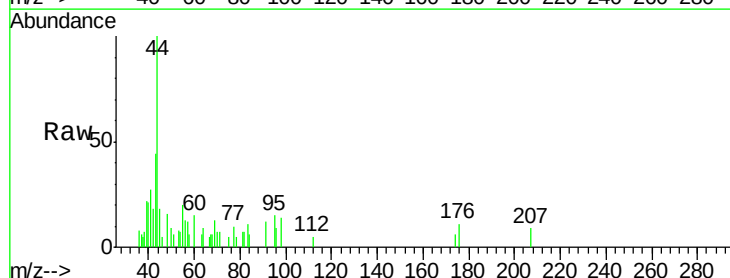
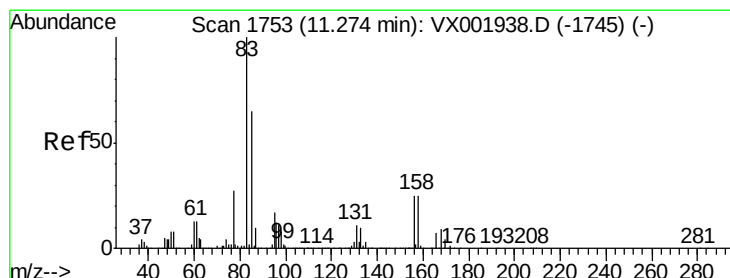
Tgt Ion: 83 Resp: 322

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

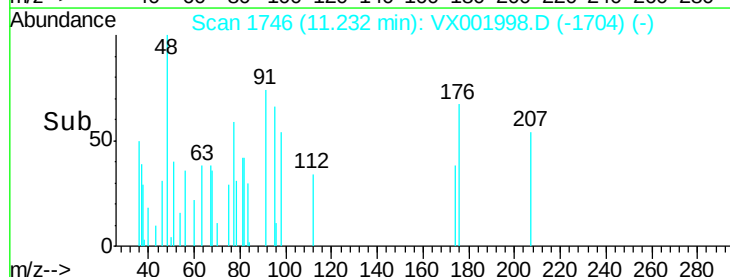
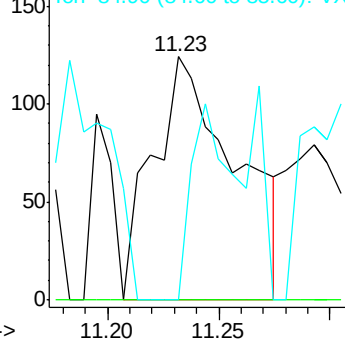
85 0.0 32.6 97.7#

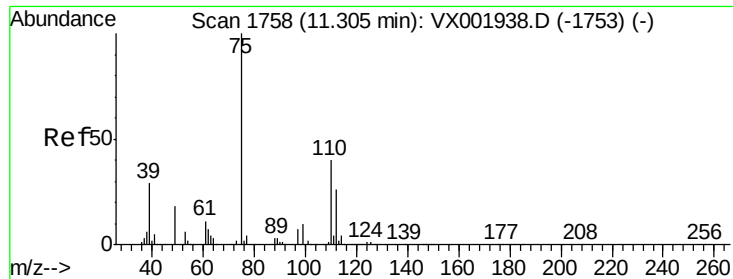


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

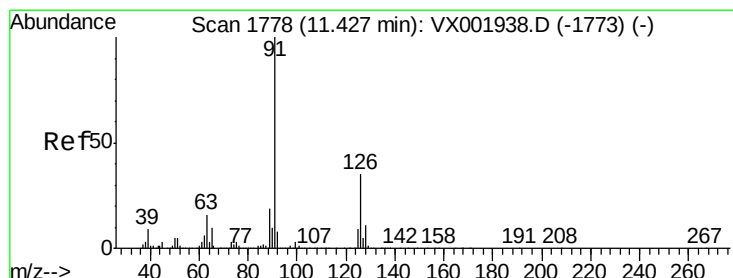
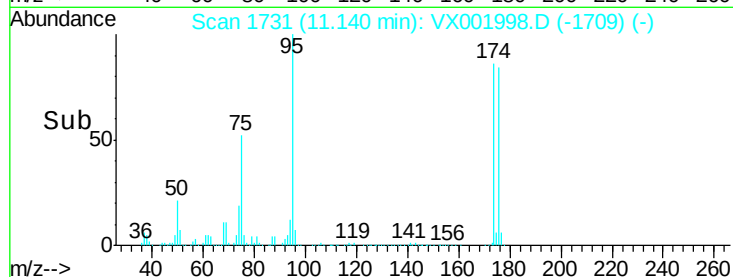
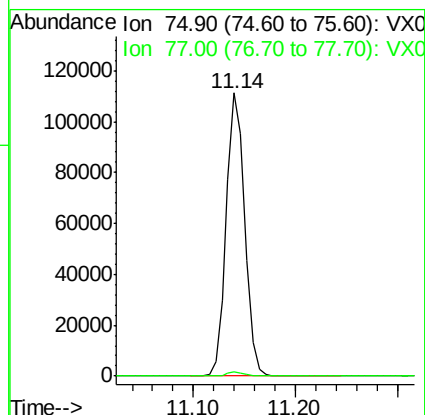
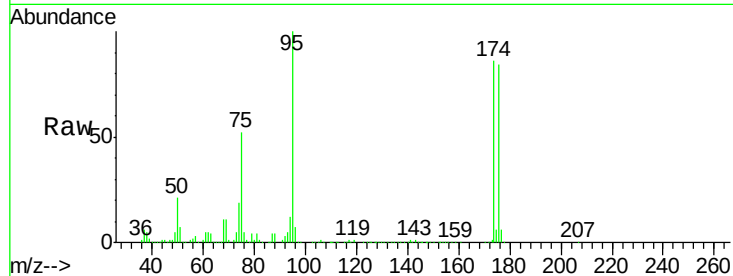




#76
 1,2,3-Trichloropropane
 Concen: 28.36 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001998.D
 Acq: 26 May 2018 01:29

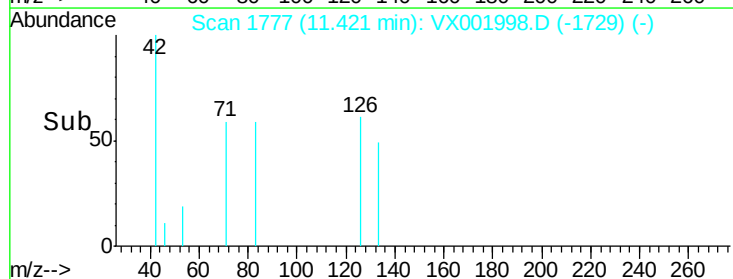
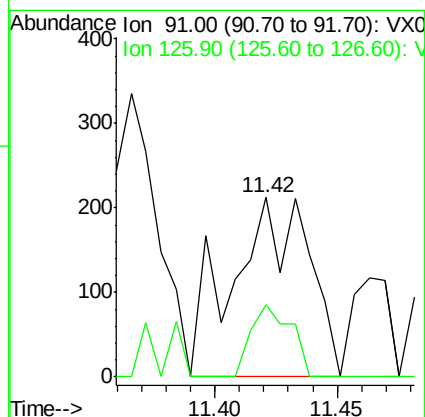
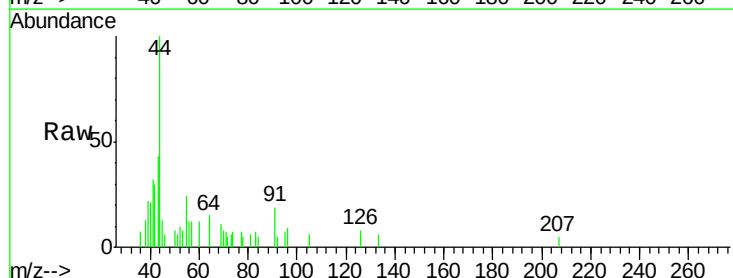
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#06

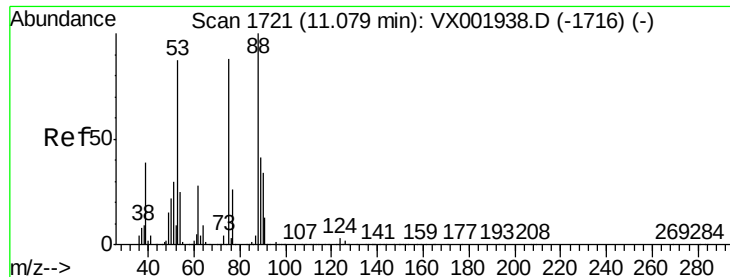
Tgt Ion: 75 Resp: 140311
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX001998.D
 Acq: 26 May 2018 01:29

Tgt Ion: 91 Resp: 463
 Ion Ratio Lower Upper
 91 100
 126 21.0 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 68.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001998.D

Acq: 26 May 2018 01:29

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#06

Tgt Ion: 75 Resp: 140311

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

