

Data File : VX002000.D

Acq On : 26 May 2018 02:22

Operator : JC/MD

Sample : PB109661ZHE#08

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#08

Quant Time: May 26 04:25:55 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	280709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	437778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	283123	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
35) Dibromofluoromethane	5.51	113	216823	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	8.72	98	746691	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.14	95	276658	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	180	Below Cal	#	41
5) Bromomethane	1.67	94	1085	Below Cal	#	53
10) Methyl Iodide	2.52	142	1215	0.26	ug/l	# 59
11) Tert butyl alcohol	3.03	59	2520	2.56	ug/l	97
13) Acrolein	2.30	56	158	0.37	ug/l	# 1
16) Acetone	2.45	43	15477	7.99	ug/l	97
18) Methyl Acetate	2.78	43	30416	5.51	ug/l	96
20) Methylene Chloride	2.86	84	4478	Below Cal		93
21) trans-1,2-Dichloroethene	3.17	96	200	Below Cal	#	17
25) 2-Butanone	4.71	43	3860	1.09	ug/l	# 92
28) Bromochloromethane	5.04	49	47	Below Cal	#	14
29) Tetrahydrofuran	5.18	42	1035	0.45	ug/l	# 56
36) 1,1-Dichloropropene	5.67	75	20008	3.29	ug/l	# 53
38) Carbon Tetrachloride	5.67	117	26314	3.71	ug/l	# 14
41) Methacrylonitrile	5.11	41	229	Below Cal	#	74
74) N-amyl acetate	6.48	43	221	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.26	83	97	Below Cal	#	52
76) 1,2,3-Trichloropropane	11.14	75	142897	28.65	ug/l	# 33
79) 2-Chlorotoluene	11.52	91	407	Below Cal		86
81) trans-1,4-Dichloro-2-buten	11.14	75	142897	68.87	ug/l	# 10

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

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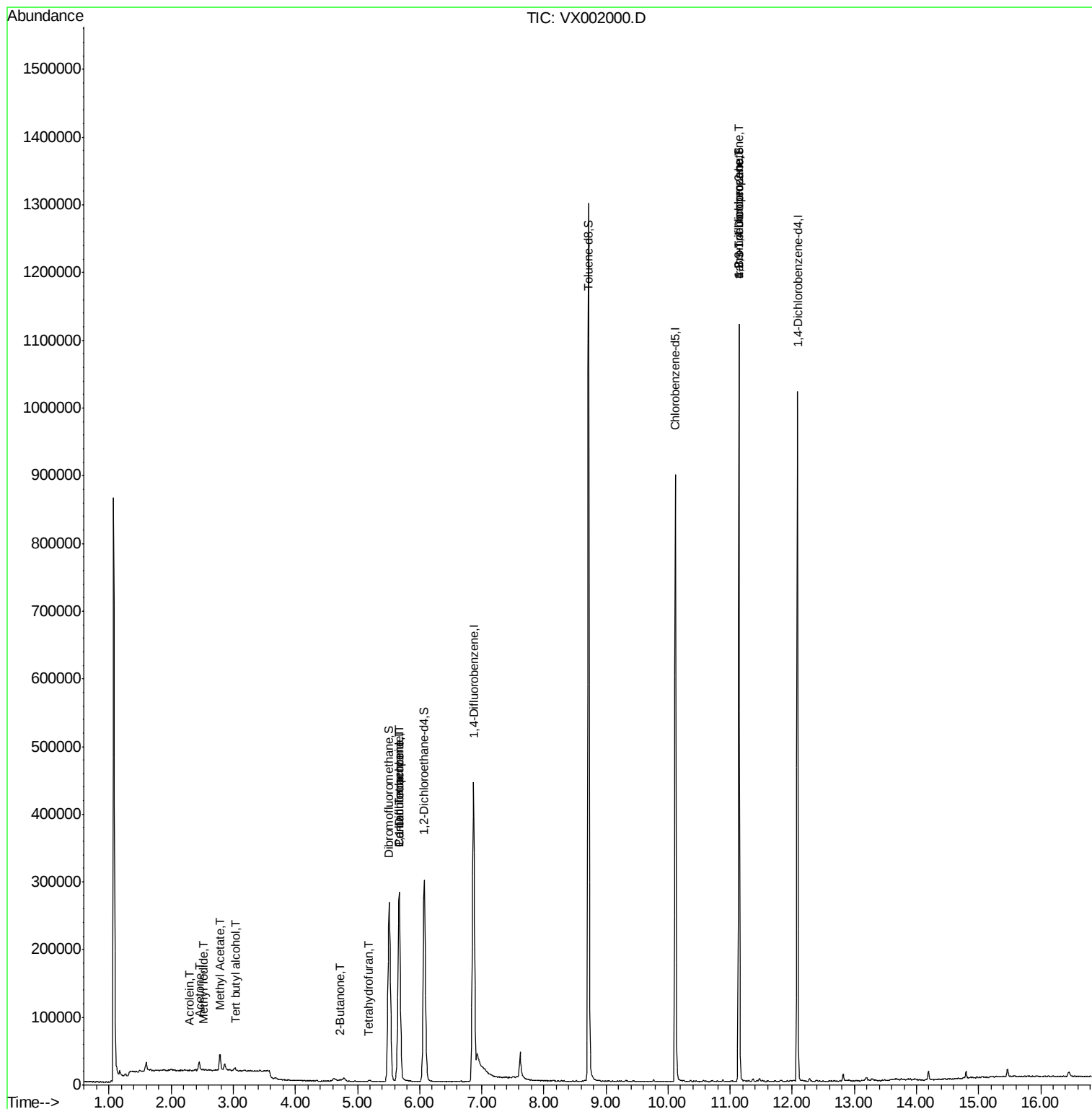
Quant Time: May 26 04:25:55 2018

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: VX002000.D

Acq: 26 May 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

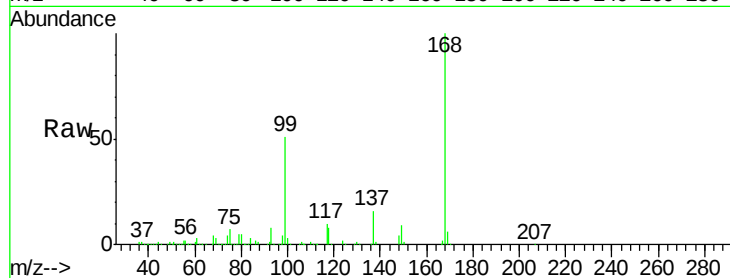
PB109661ZHE#08

Tgt Ion:168 Resp: 280709

Ion Ratio Lower Upper

168 100

99 51.3 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

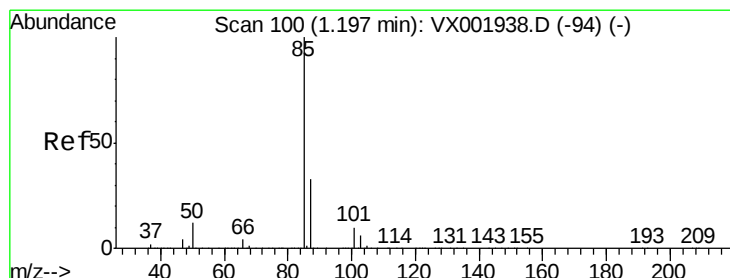
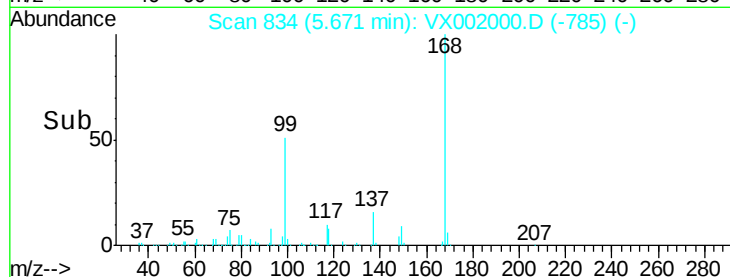
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002000.D

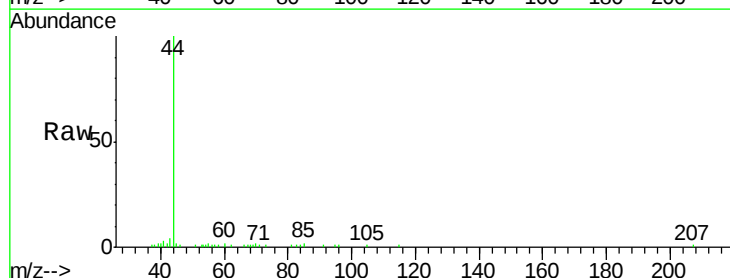
Acq: 26 May 2018 02:22

Tgt Ion: 85 Resp: 180

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

1.20

200

150

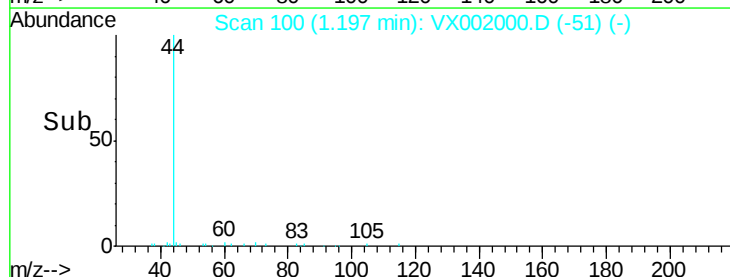
100

50

0

Time-->

1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

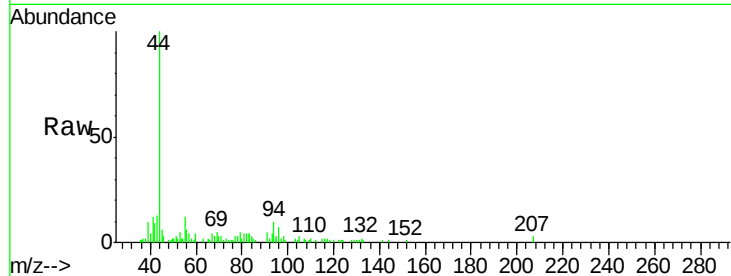
PB109661ZHE#08

Tgt Ion: 94 Resp: 1085

Ion Ratio Lower Upper

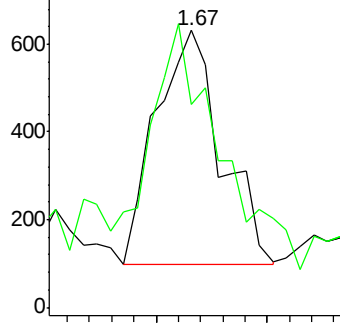
94 100

96 48.9 75.9 113.9#

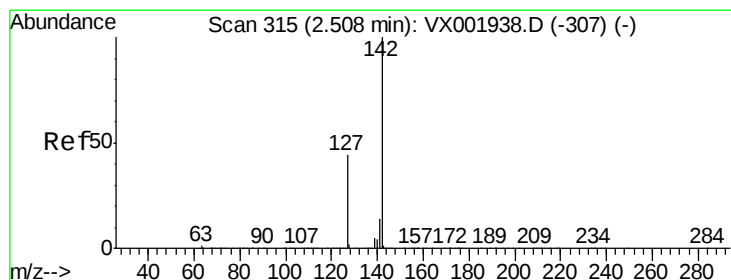
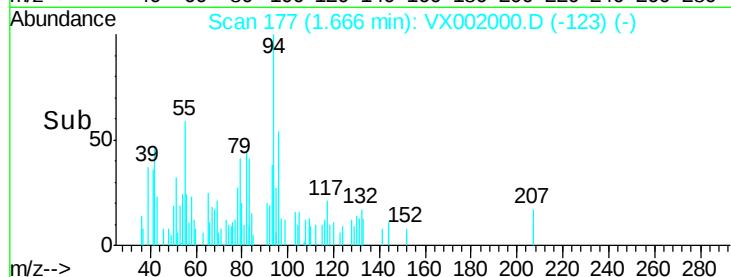


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

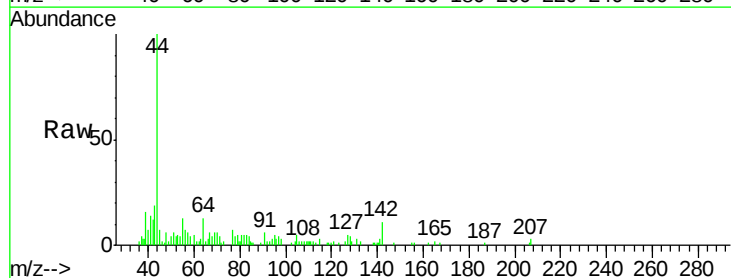
Tgt Ion: 142 Resp: 1215

Ion Ratio Lower Upper

142 100

127 70.8 35.5 53.3#

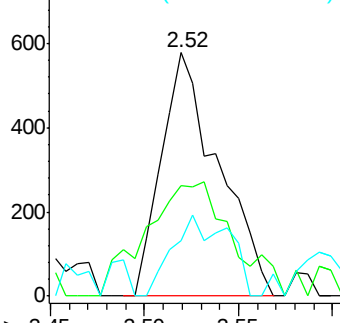
141 32.1 11.3 16.9#



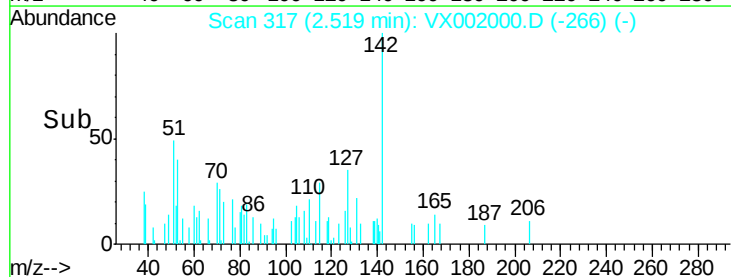
Abundance Ion 141.80 (141.50 to 142.50): V

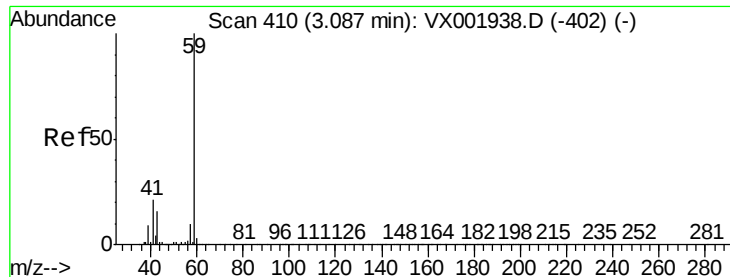
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



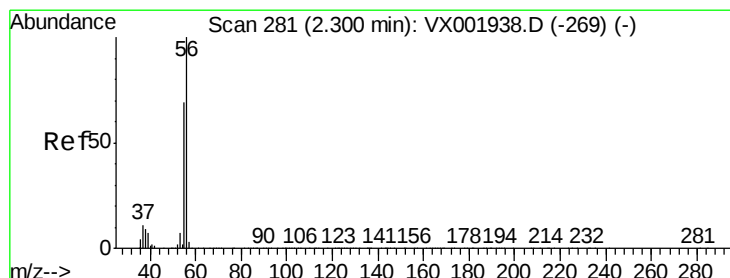
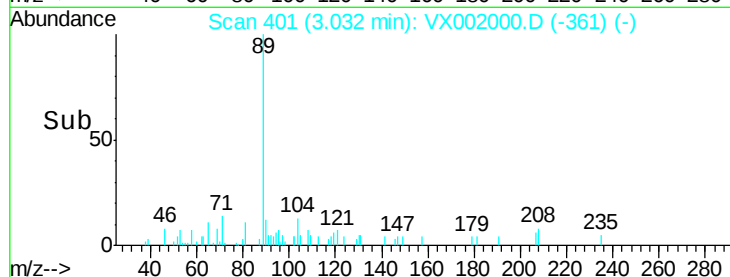
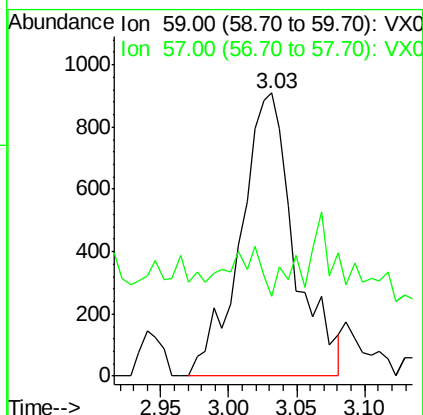
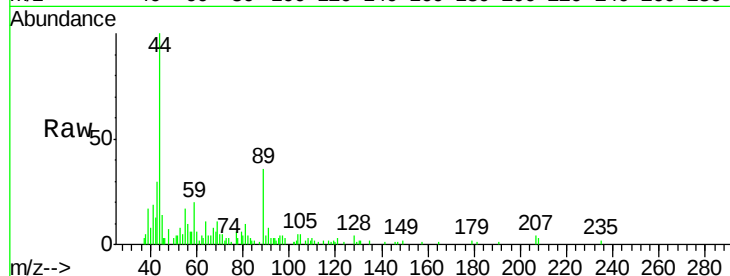


#11

Tert butyl alcohol
 Concen: 2.56 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.06 min
 Lab File: VX002000.D
 Acq: 26 May 2018 02:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#08

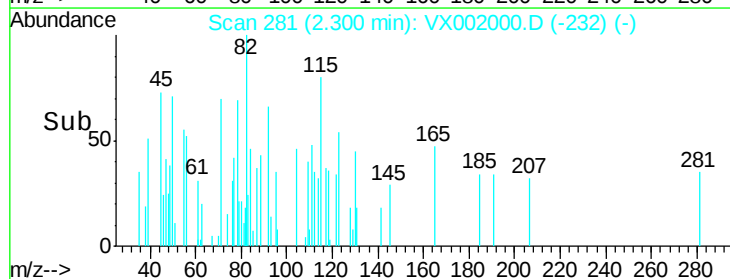
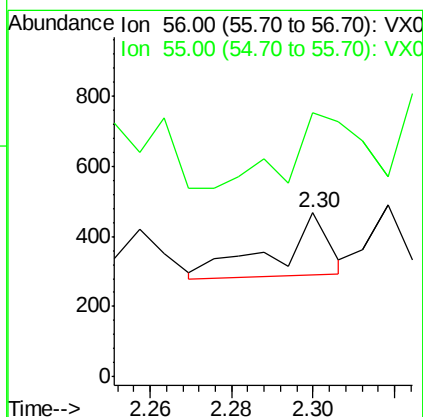
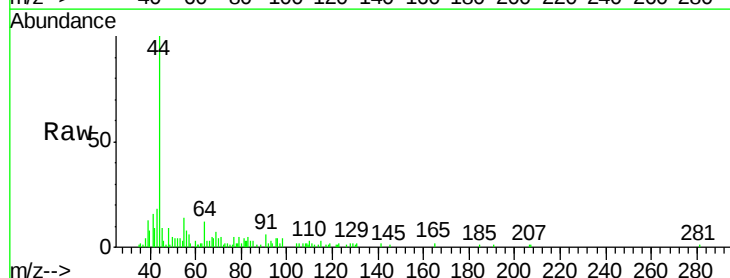
Tgt Ion: 59 Resp: 2520
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.9 13.3

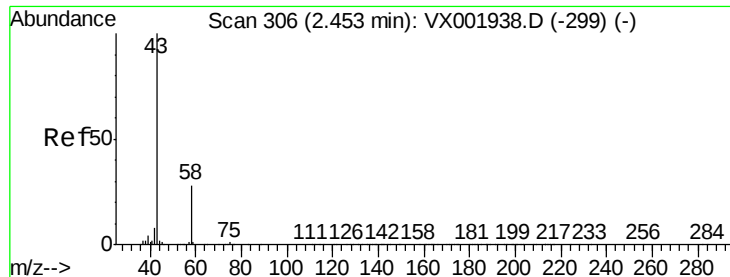


#13

Acrolein
 Concen: 0.37 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. -0.00 min
 Lab File: VX002000.D
 Acq: 26 May 2018 02:22

Tgt Ion: 56 Resp: 158
 Ion Ratio Lower Upper
 56 100
 55 163.3 56.8 85.2#





#16

Acetone

Concen: 7.99 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

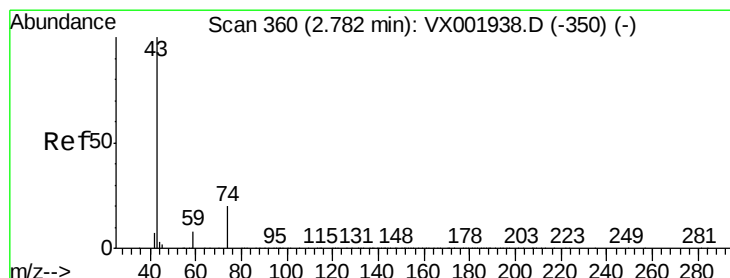
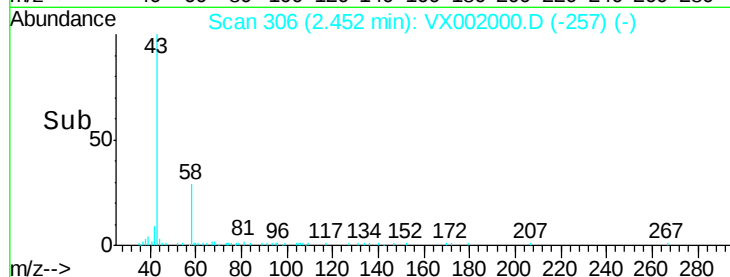
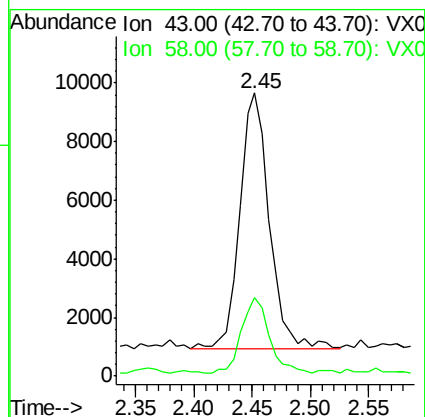
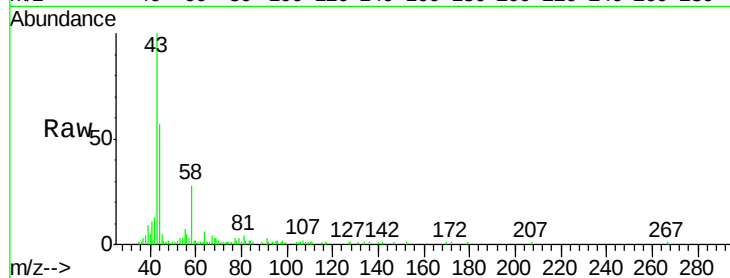
PB109661ZHE#08

Tgt Ion: 43 Resp: 15477

Ion Ratio Lower Upper

43 100

58 29.5 22.3 33.5



#18

Methyl Acetate

Concen: 5.51 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002000.D

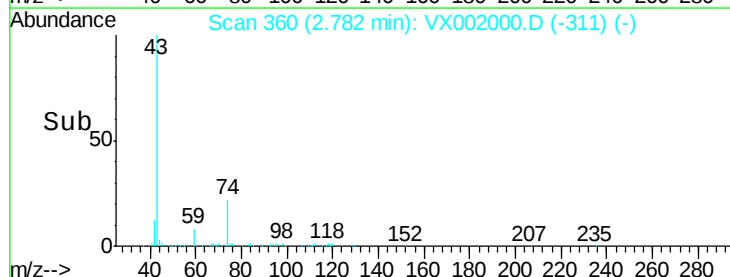
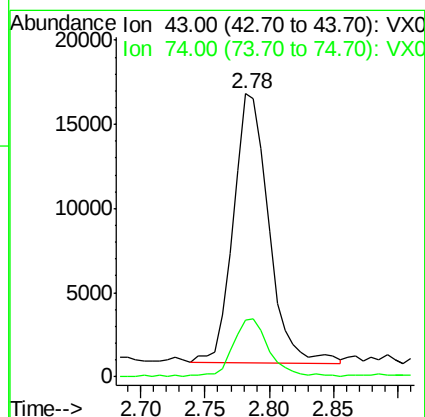
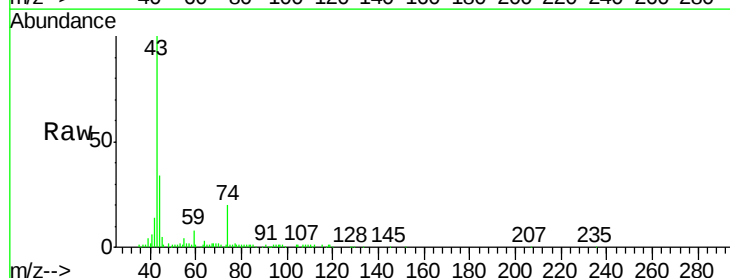
Acq: 26 May 2018 02:22

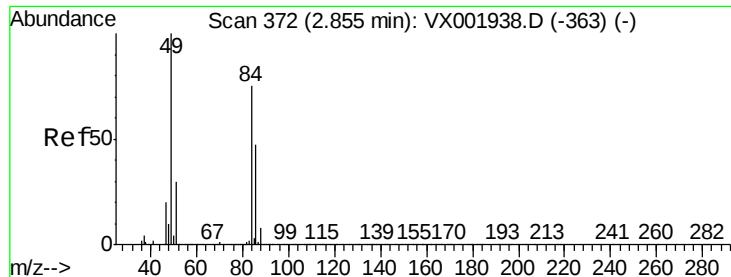
Tgt Ion: 43 Resp: 30416

Ion Ratio Lower Upper

43 100

74 22.9 16.8 25.2

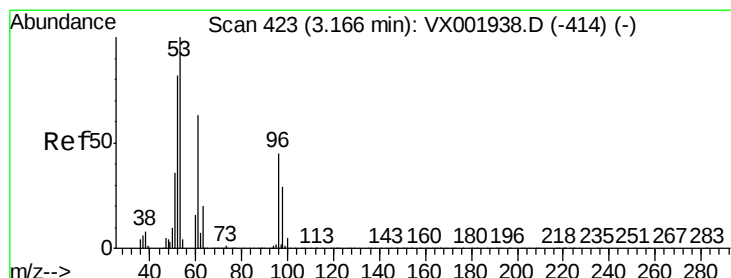
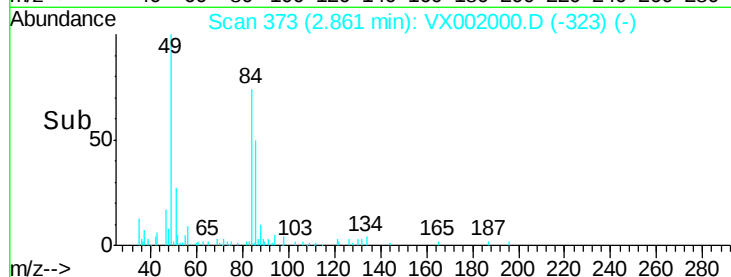
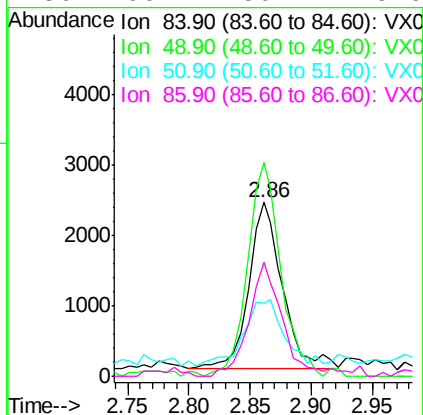
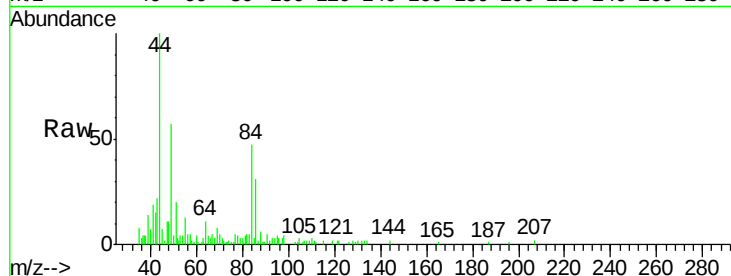




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

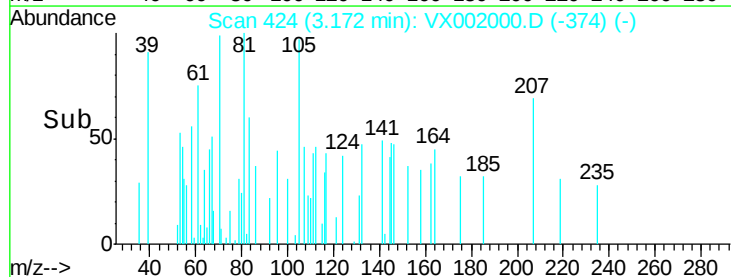
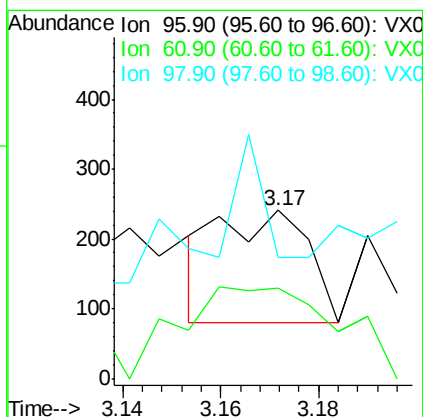
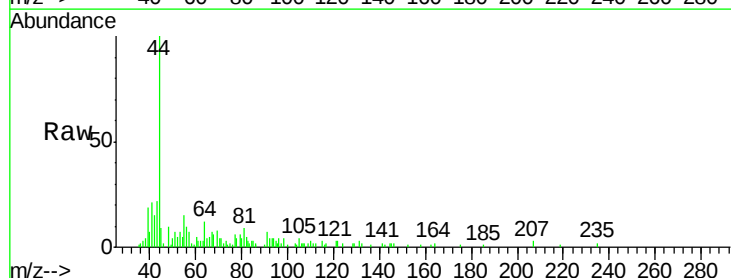
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#08

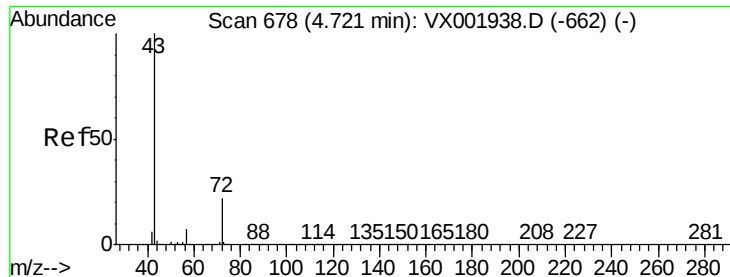
Tgt Ion:	84	Resp:	4478
Ion	Ratio	Lower	Upper
84	100		
49	125.8	107.2	160.8
51	34.7	32.4	48.6
86	66.2	50.4	75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

Tgt Ion:	96	Resp:	200
Ion	Ratio	Lower	Upper
96	100		
61	38.5	113.3	169.9#
98	0.0	51.7	77.5#





#25

2-Butanone

Concen: 1.09 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

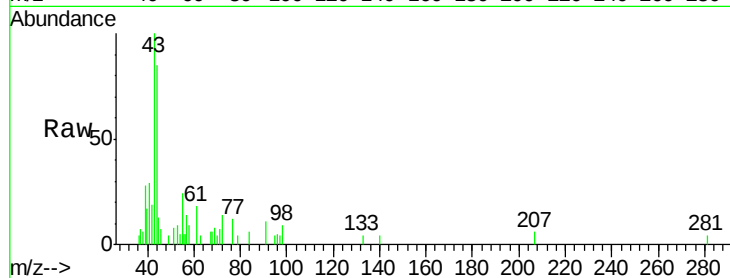
PB109661ZHE#08

Tgt Ion: 43 Resp: 3860

Ion Ratio Lower Upper

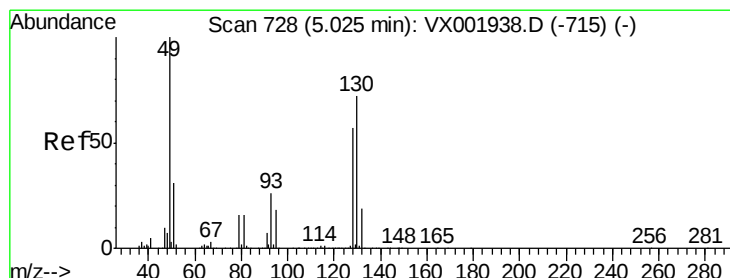
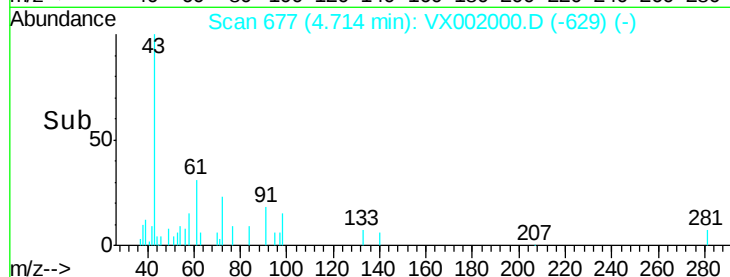
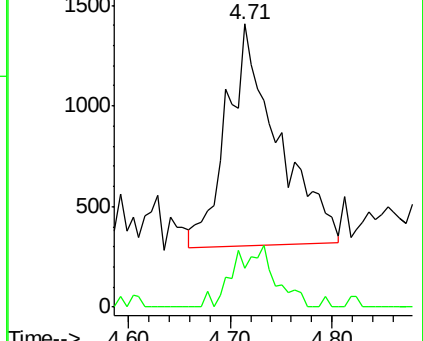
43 100

72 18.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 730

Delta R.T. 0.01 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

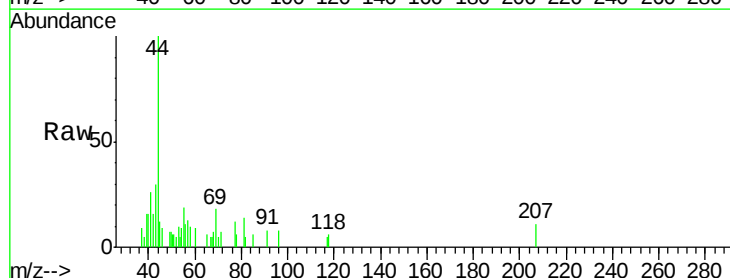
Tgt Ion: 49 Resp: 47

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

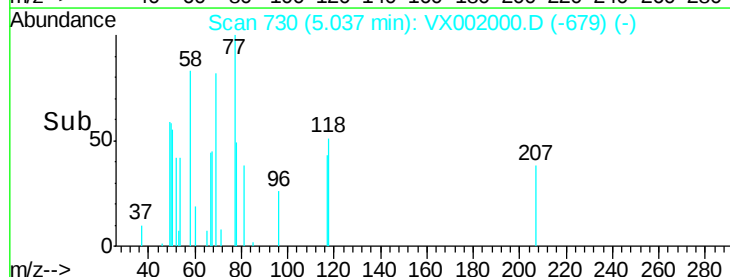
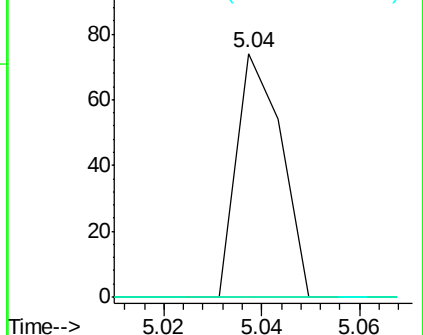
130 0.0 59.4 89.2#

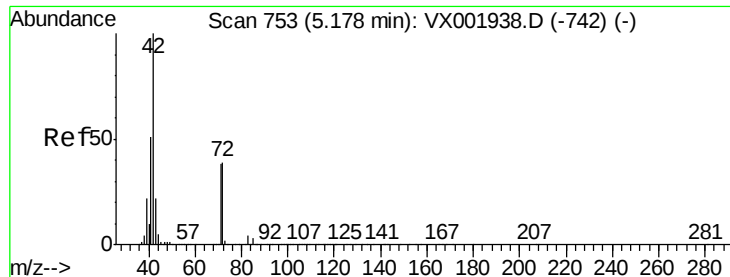


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.45 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

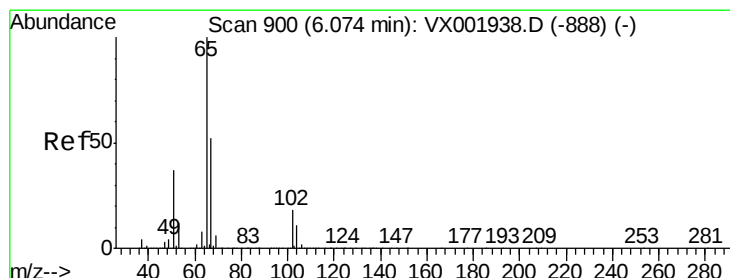
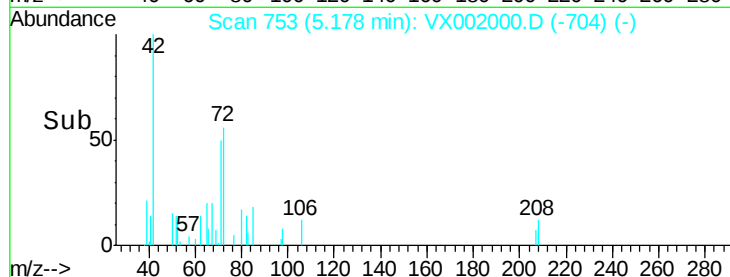
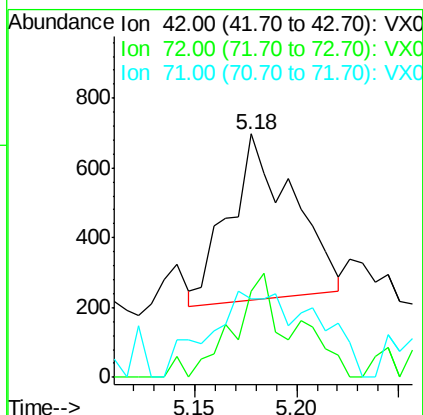
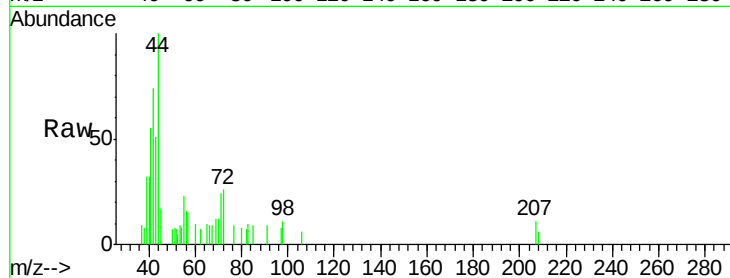
Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#08

Tgt Ion:	42	Resp:	1035
Ion	Ratio	Lower	Upper
42	100		
72	43.2	31.4	47.0
71	86.7	29.5	44.3#



#33

1,2-Dichloroethane-d4

Concen: 56.43 ug/l

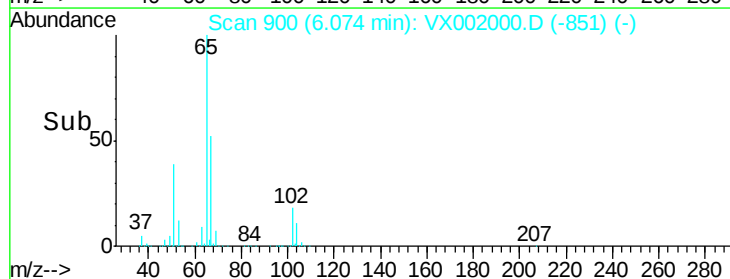
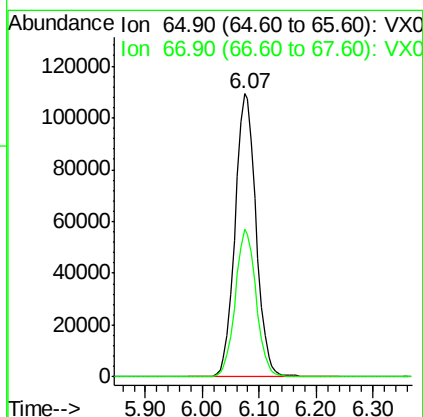
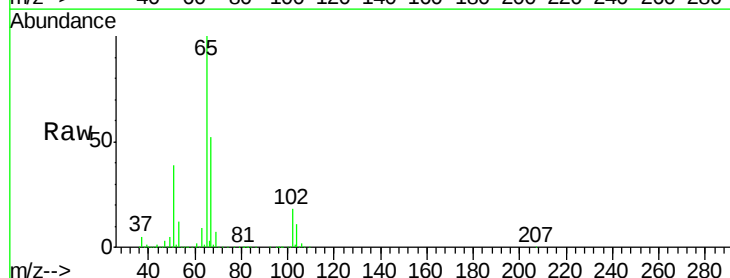
RT: 6.07 min Scan# 900

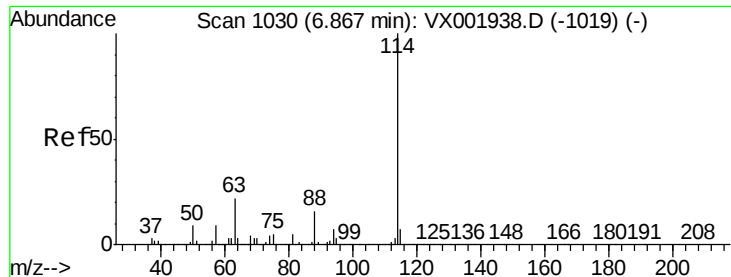
Delta R.T. -0.00 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Tgt Ion:	65	Resp:	283123
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0

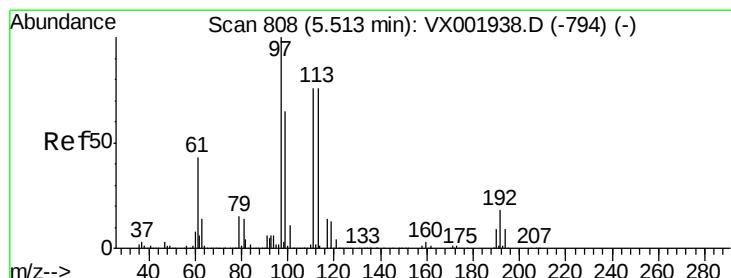
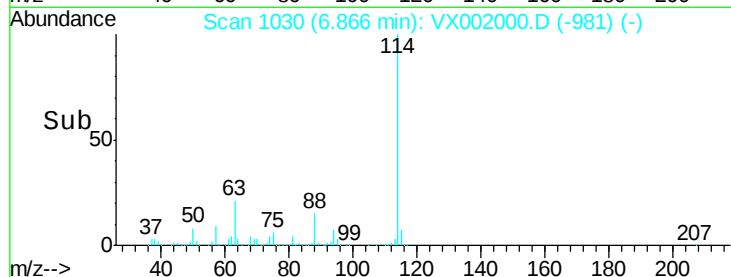
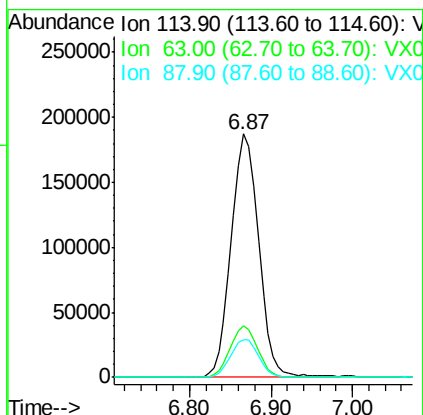
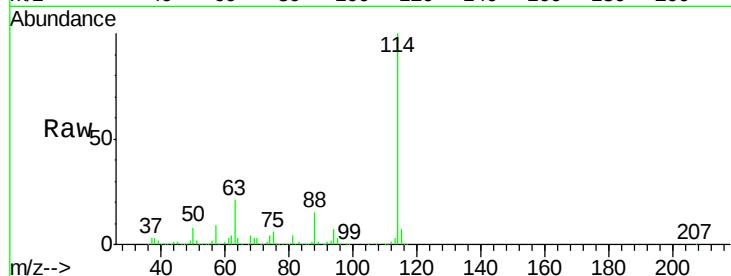




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002000.D
 Acq: 26 May 2018 02:22

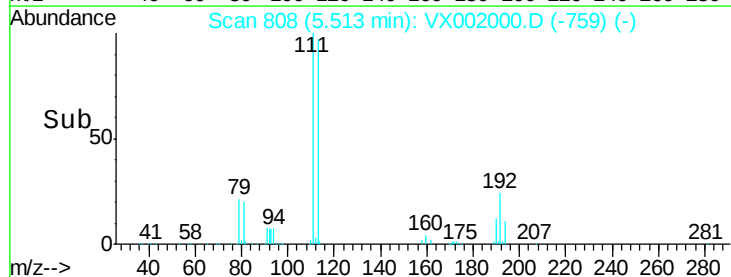
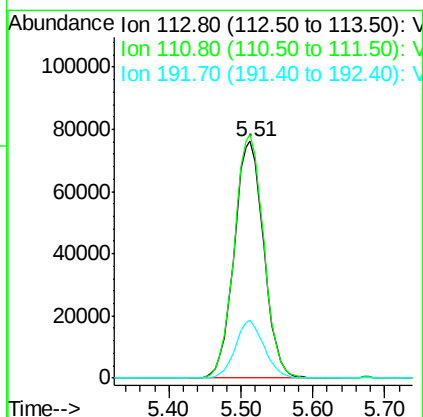
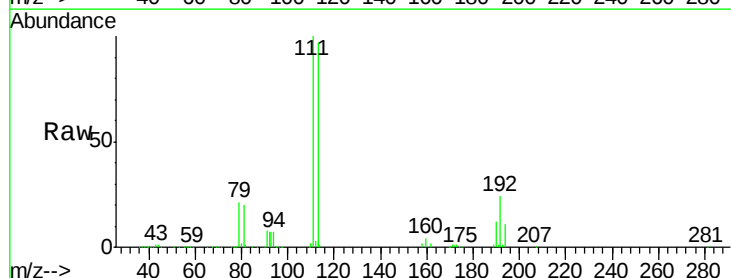
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#08

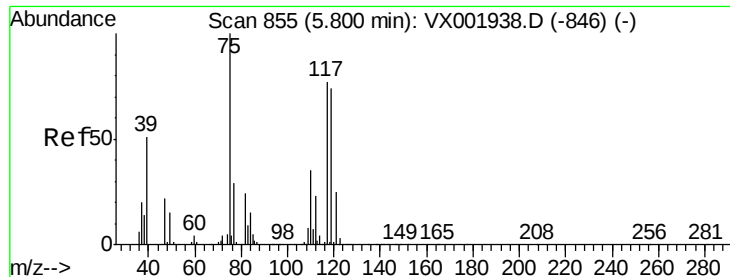
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	15.2	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 49.53 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002000.D
 Acq: 26 May 2018 02:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.7	18.9	28.3

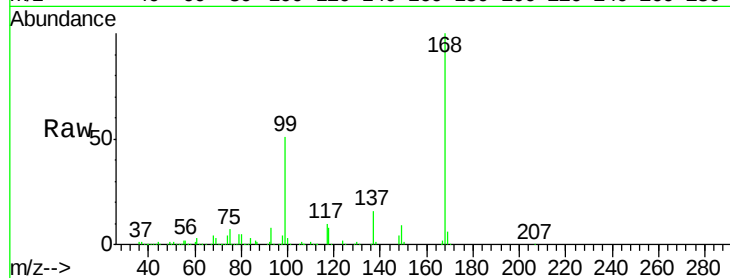




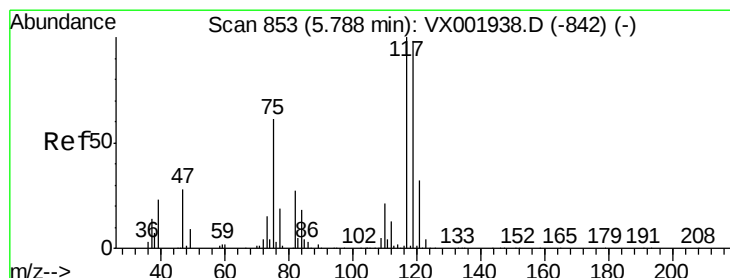
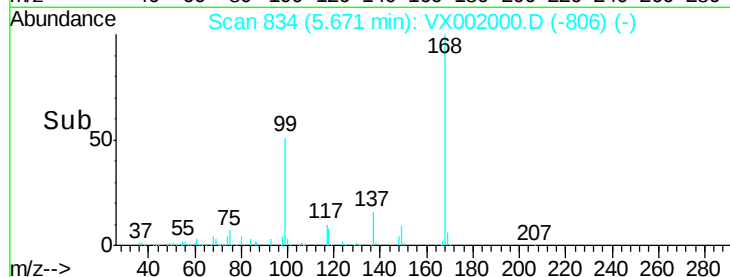
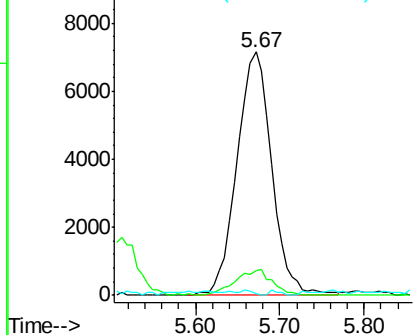
#36
 1,1-Dichloropropene
 Concen: 3.29 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002000.D
 Acq: 26 May 2018 02:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.4	52.2#
77	0.6	24.4	36.6#

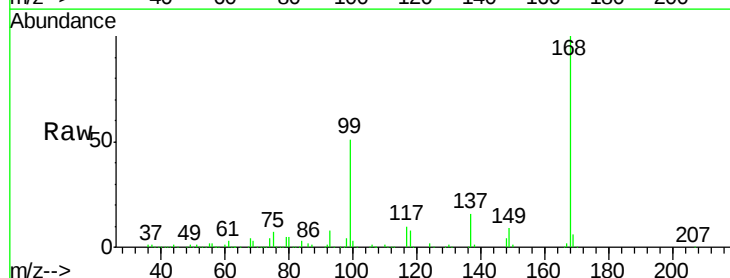


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

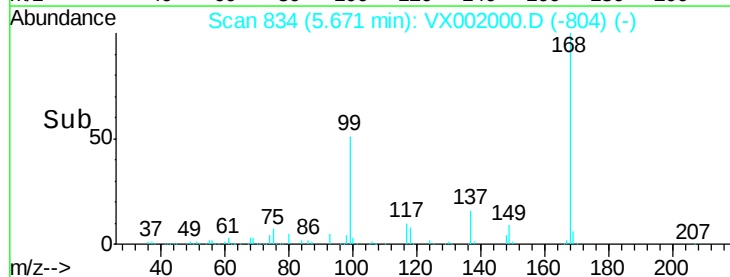
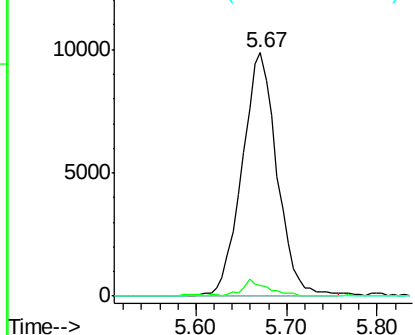


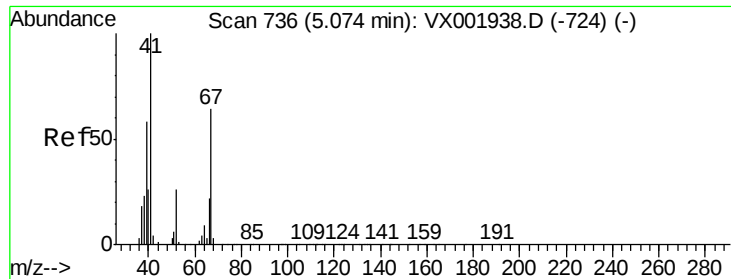
#38
 Carbon Tetrachloride
 Concen: 3.71 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002000.D
 Acq: 26 May 2018 02:22

Tgt 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

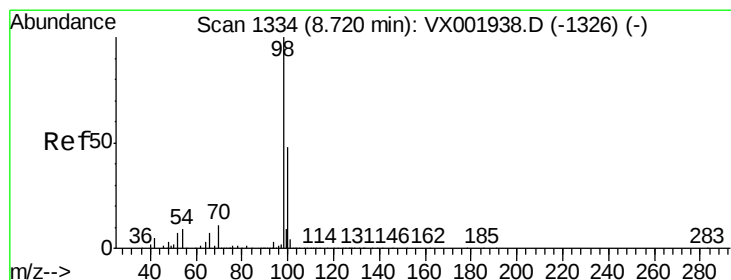
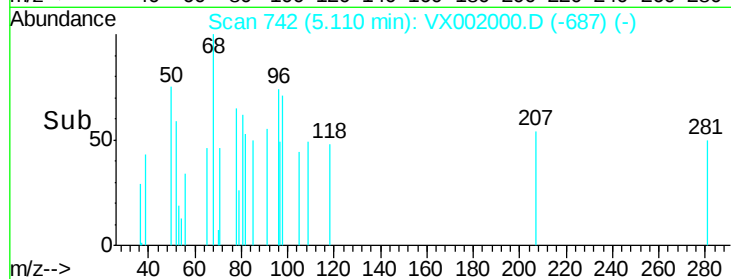
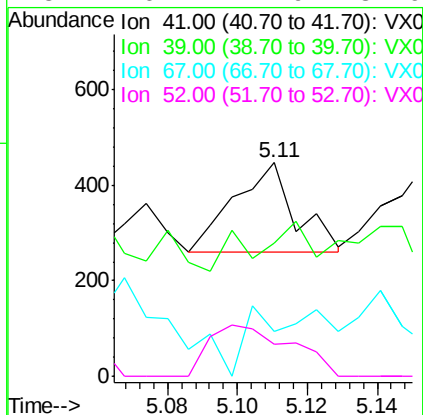
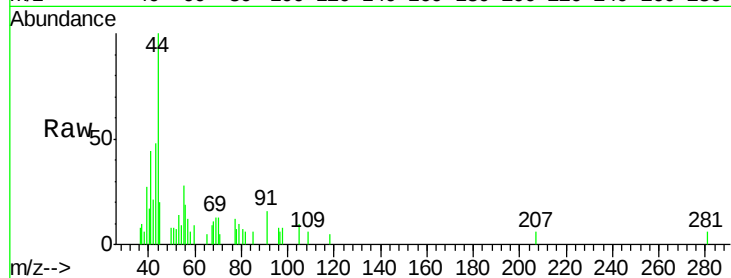




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.11 min Scan# 742
Delta R.T. 0.04 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

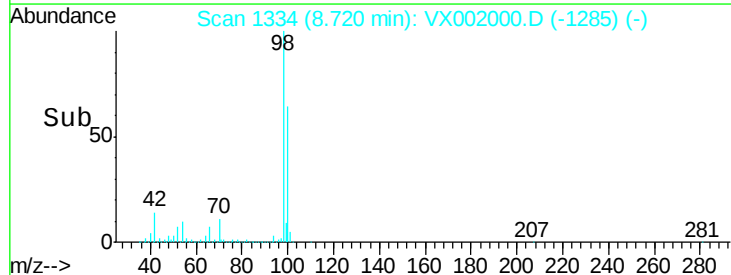
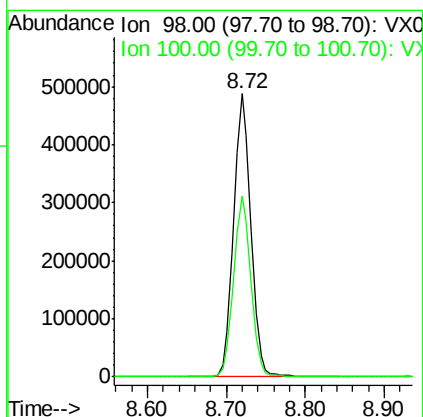
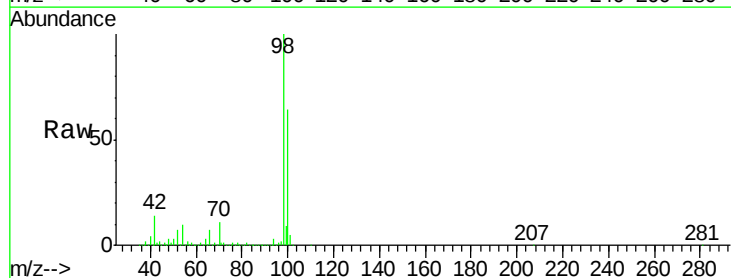
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#08

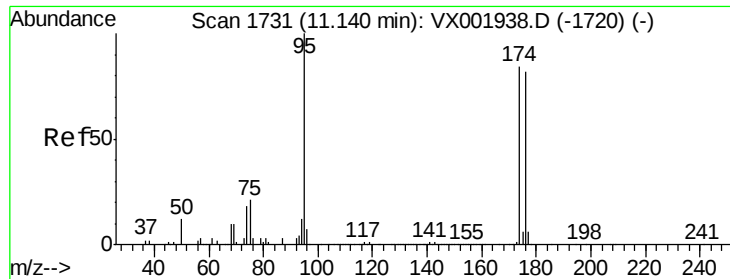
Tgt Ion:	41	Resp:	229
Ion	Ratio	Lower	Upper
41	100		
39	48.5	46.0	69.0
67	56.3	50.6	75.8
52	76.4	21.9	32.9#



#50
Toluene-d8
Concen: 47.11 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

Tgt Ion:	98	Resp:	746691
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3

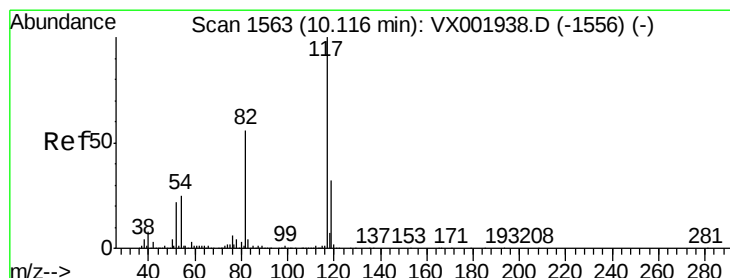
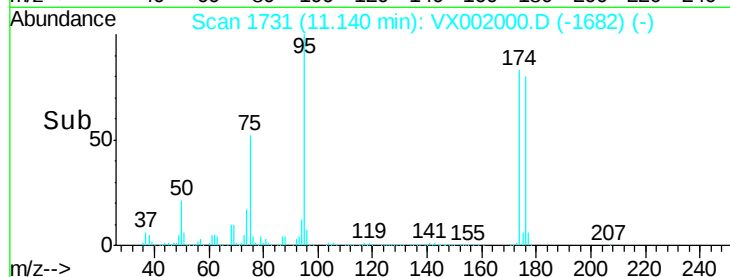
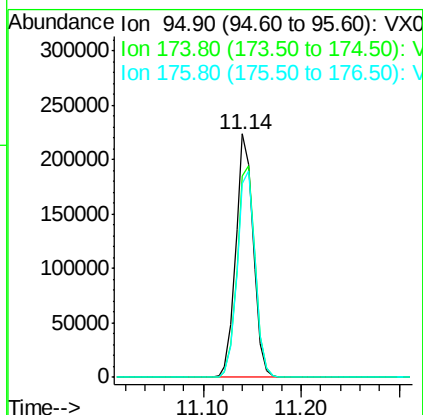
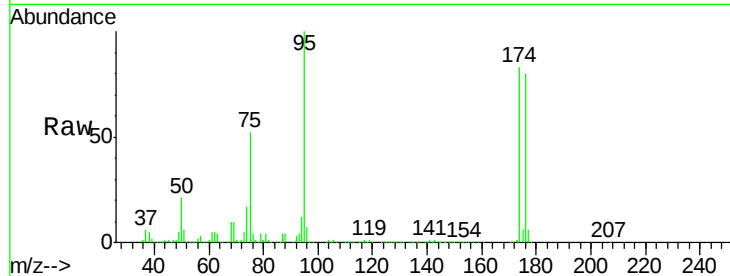




#62
4-Bromofluorobenzene
Concen: 44.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

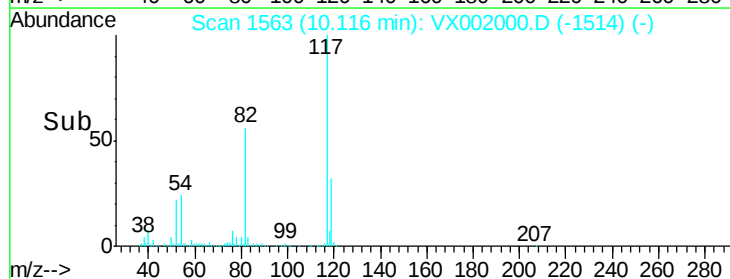
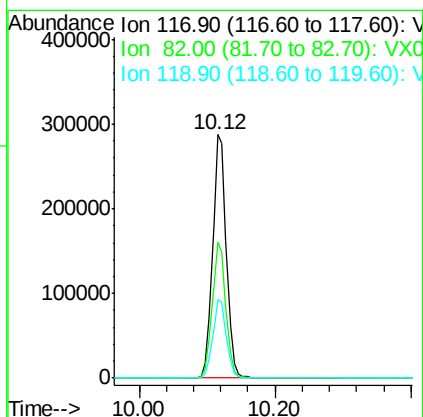
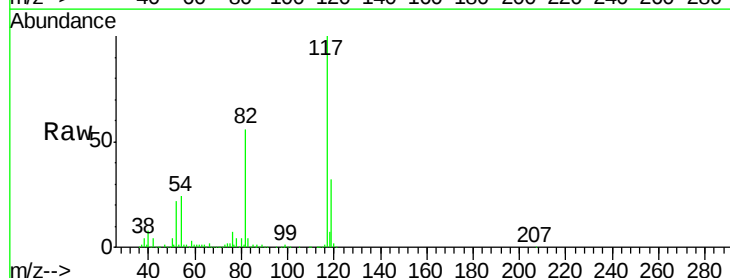
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#08

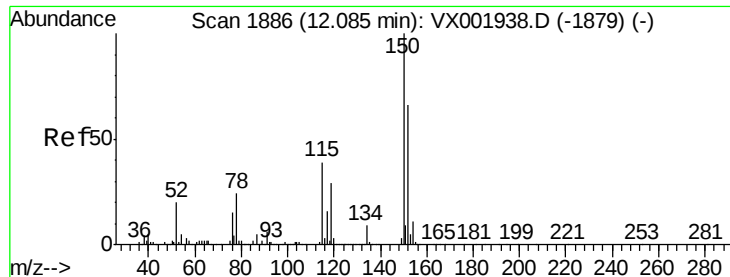
Tgt Ion: 95 Resp: 276658
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 87.3 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

Tgt Ion: 117 Resp: 399038
Ion Ratio Lower Upper
117 100
82 56.1 44.8 67.2
119 32.2 25.5 38.3



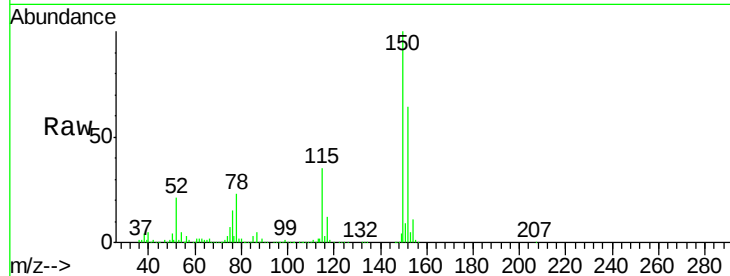


#72

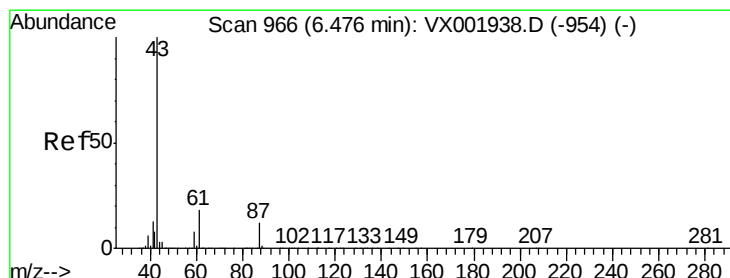
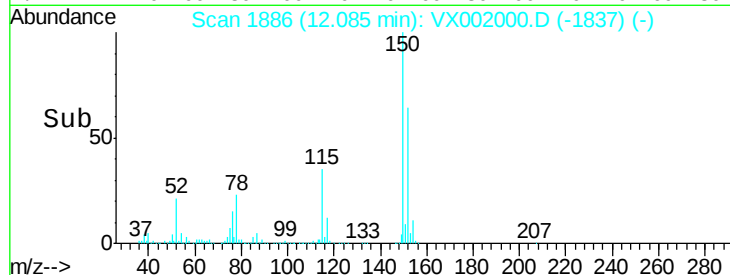
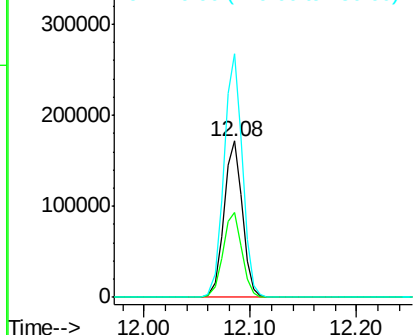
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#08

Tgt Ion: 152 Resp: 207627
Ion Ratio Lower Upper
152 100
115 55.5 42.3 126.8
150 156.2 0.0 351.0



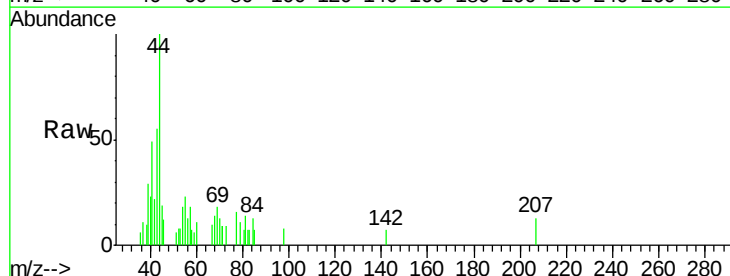
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



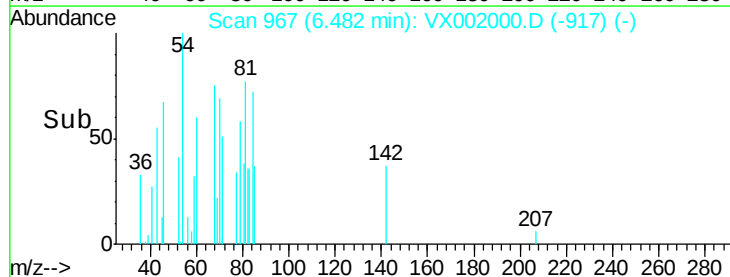
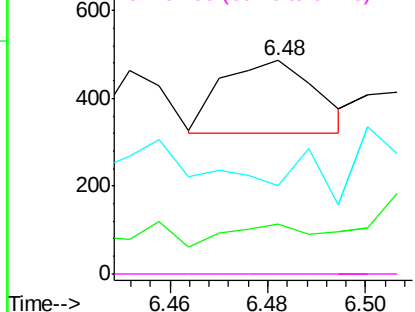
#74

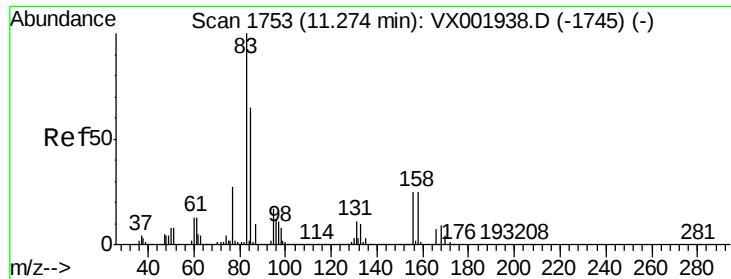
N-ethyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX002000.D
Acq: 26 May 2018 02:22

Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
70 43.0 0.1 0.1#
55 0.0 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: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#08

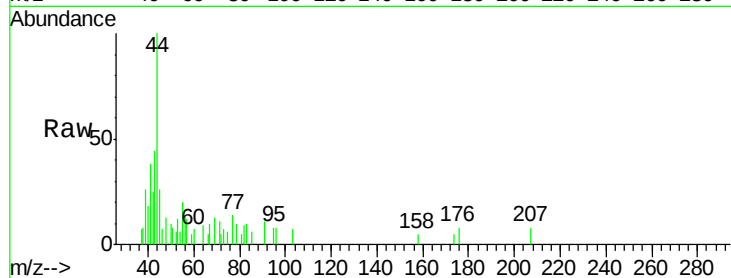
Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

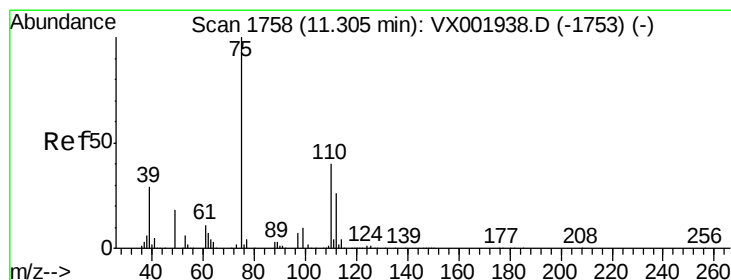
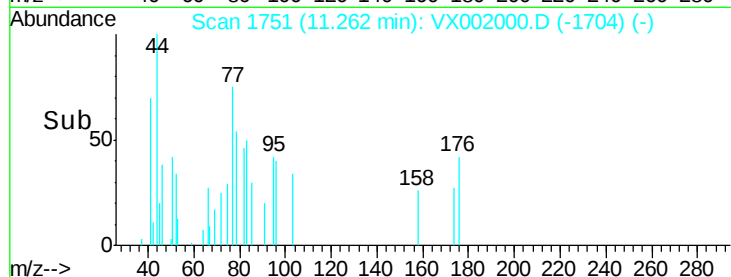
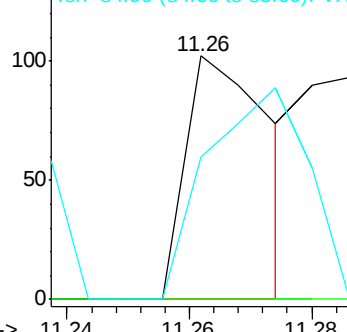
85 105.2 32.6 97.7#



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: 28.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002000.D

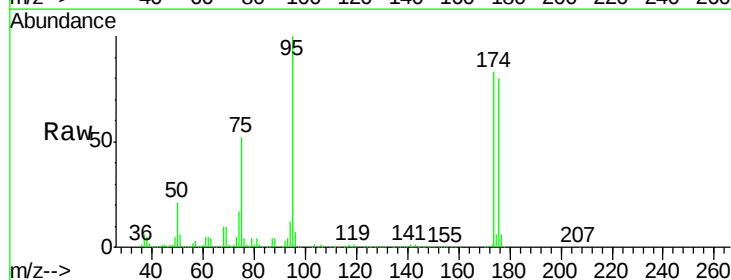
Acq: 26 May 2018 02:22

Tgt Ion: 75 Resp: 142897

Ion Ratio Lower Upper

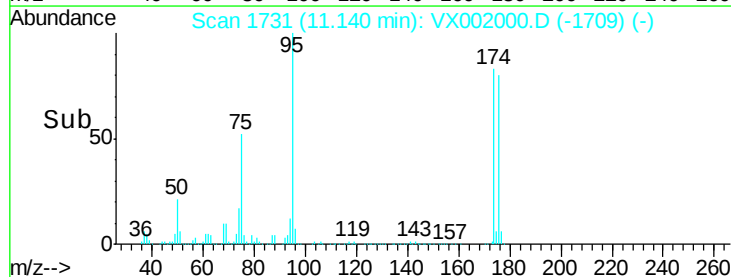
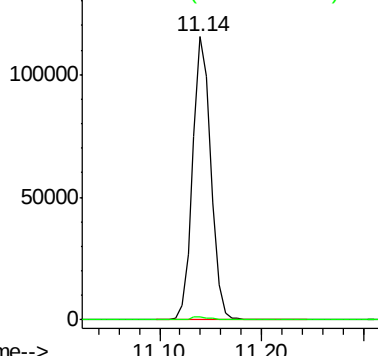
75 100

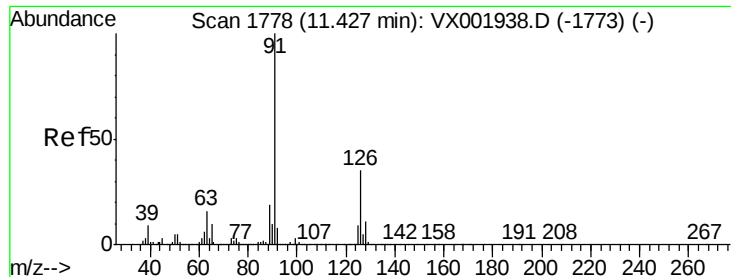
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Instrument :

MSVOA_X

ClientSampleId :

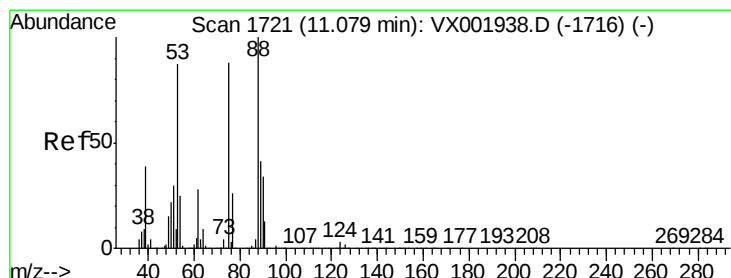
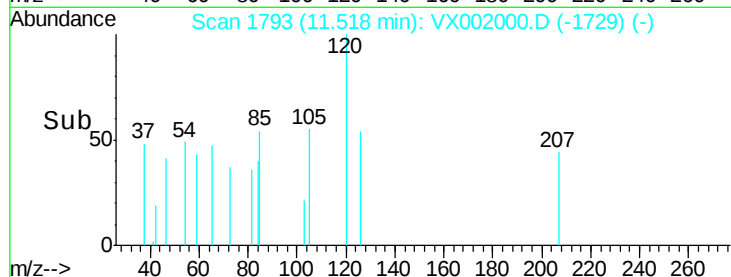
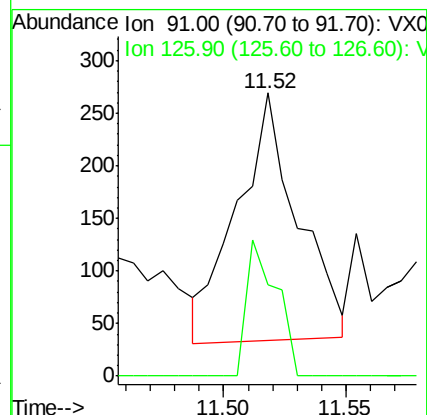
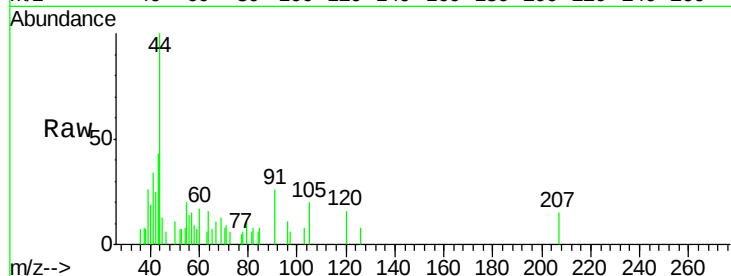
PB109661ZHE#08

Tgt Ion: 91 Resp: 407

Ion Ratio Lower Upper

91 100

126 26.8 17.4 52.2



#81

trans-1,4-Dichloro-2-butene

Concen: 68.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002000.D

Acq: 26 May 2018 02:22

Tgt Ion: 75 Resp: 142897

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

