

Data File : VX002003.D

Acq On : 26 May 2018 03:42

Operator : JC/MD

Sample : PB109661ZHE#11

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#11

Quant Time: May 26 04:27:19 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	293808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	265897	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	5.51	113	205568	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	8.72	98	750574	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.14	95	275316	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	175	Below Cal	#	41
5) Bromomethane	1.61	94	122	Below Cal		85
13) Acrolein	2.29	56	246	0.55	ug/l #	8
16) Acetone	2.45	43	15207	7.50	ug/l	98
18) Methyl Acetate	2.79	43	31236	5.38	ug/l	100
20) Methylene Chloride	2.86	84	4236	Below Cal		87
21) trans-1,2-Dichloroethene	3.18	96	209	Below Cal	#	1
25) 2-Butanone	4.73	43	3024	0.81	ug/l	94
28) Bromochloromethane	5.10	49	69	Below Cal	#	14
29) Tetrahydrofuran	5.19	42	1203	0.50	ug/l #	66
36) 1,1-Dichloropropene	5.67	75	20394	3.32	ug/l #	53
38) Carbon Tetrachloride	5.67	117	26679	3.73	ug/l #	15
41) Methacrylonitrile	5.07	41	196	Below Cal	#	31
51) 4-Methyl-2-Pentanone	8.65	43	1688	0.21	ug/l #	75
74) N-amyl acetate	6.49	43	557	Below Cal	#	71
75) 1,1,2,2-Tetrachloroethane	11.29	83	110	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	144856	27.66	ug/l #	33
79) 2-Chlorotoluene	11.24	91	163	Below Cal		87
81) trans-1,4-Dichloro-2-buten	11.14	75	144856	66.48	ug/l #	10

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

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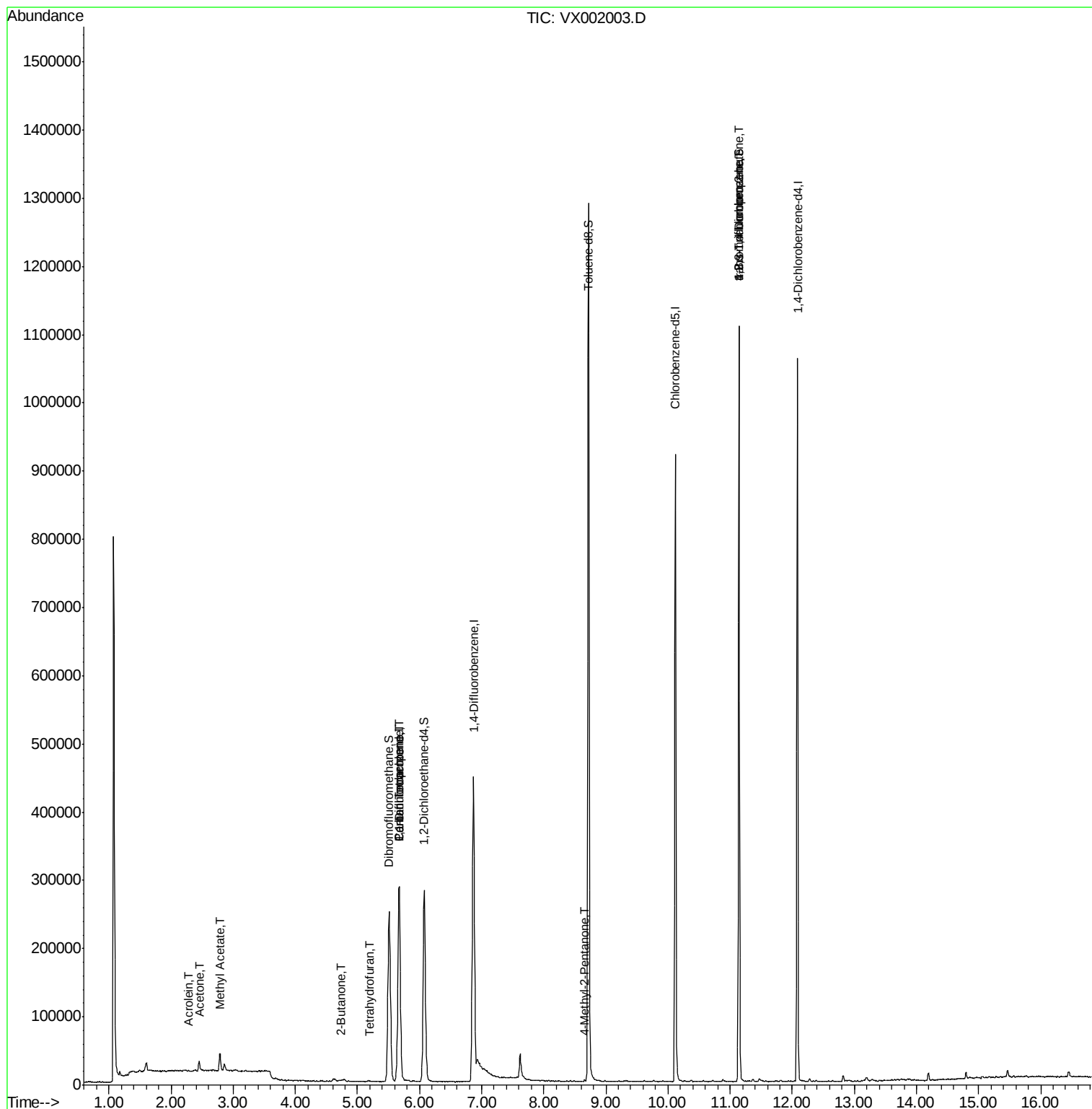
Quant Time: May 26 04:27:19 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.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: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

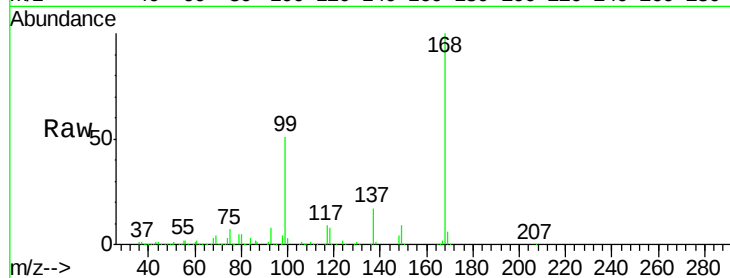
PB109661ZHE#11

Tgt Ion:168 Resp: 293808

Ion Ratio Lower Upper

168 100

99 51.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

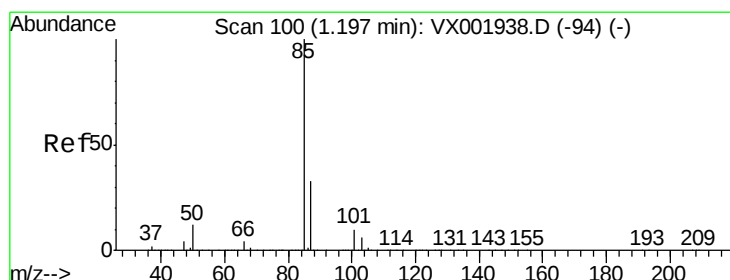
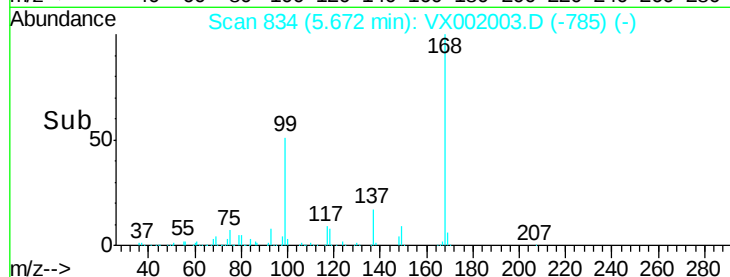
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002003.D

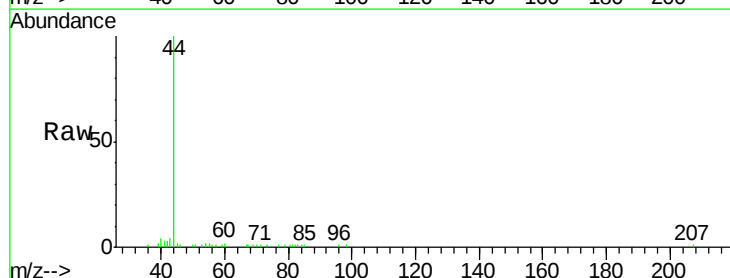
Acq: 26 May 2018 03:42

Tgt Ion: 85 Resp: 175

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

150

100

50

0

1.16

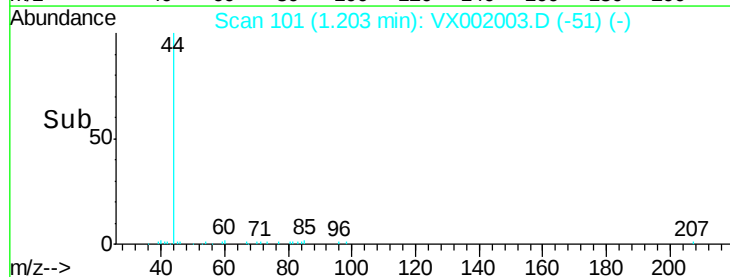
1.18

1.20

1.22

1.24

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

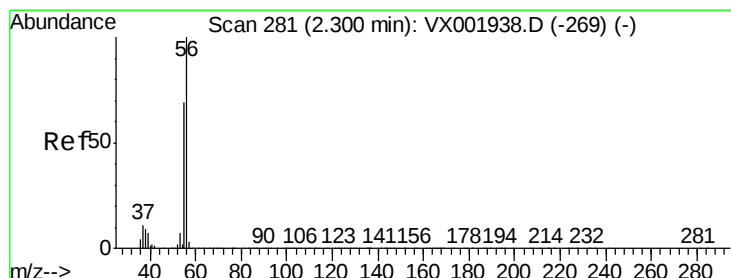
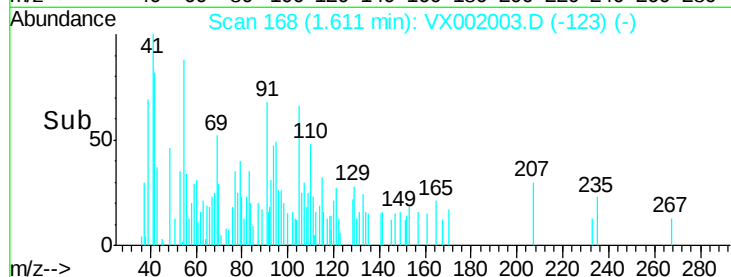
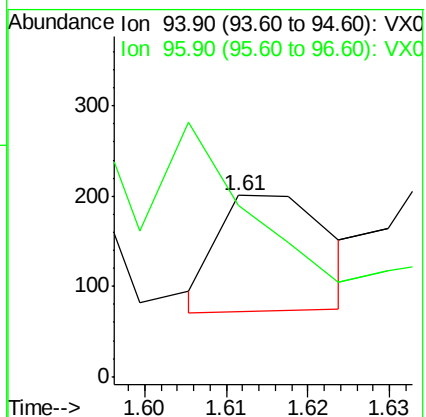
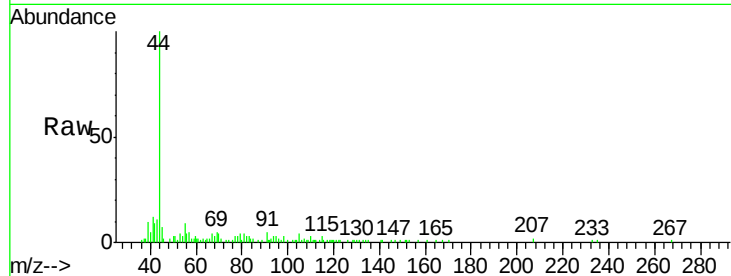
PB109661ZHE#11

Tgt Ion: 94 Resp: 122

Ion Ratio Lower Upper

94 100

96 80.4 75.9 113.9



#13

Acrolein

Concen: 0.55 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002003.D

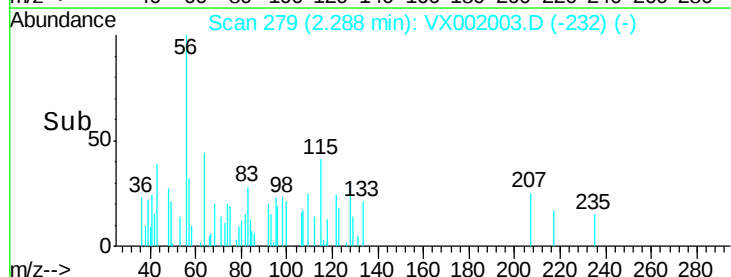
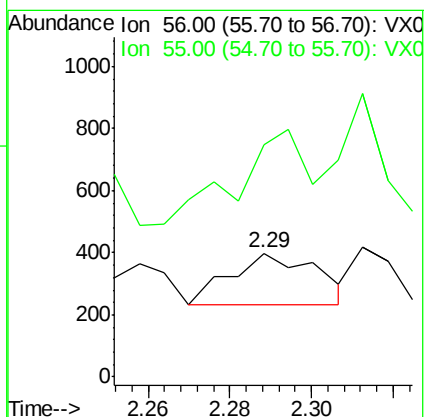
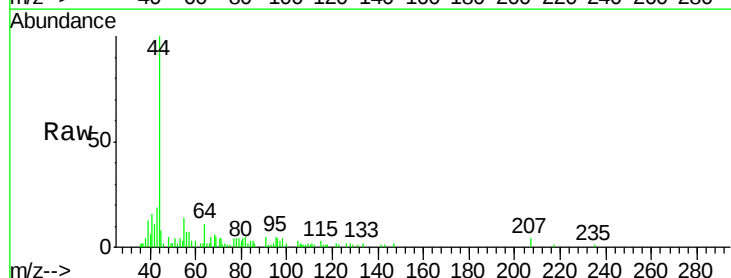
Acq: 26 May 2018 03:42

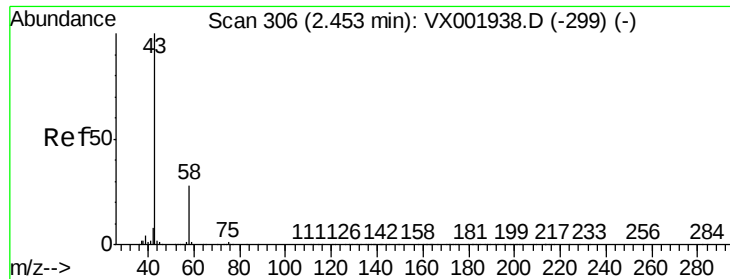
Tgt Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 147.2 56.8 85.2#





#16

Acetone

Concen: 7.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

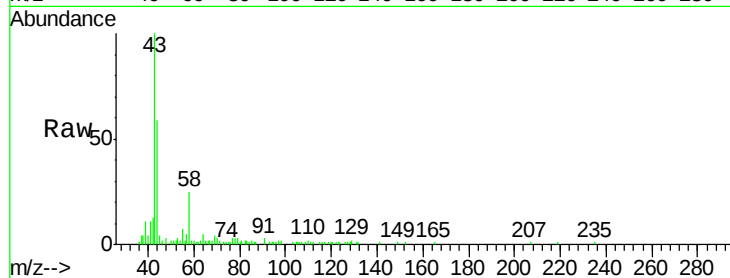
PB109661ZHE#11

Tgt Ion: 43 Resp: 15207

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

10000

8000

6000

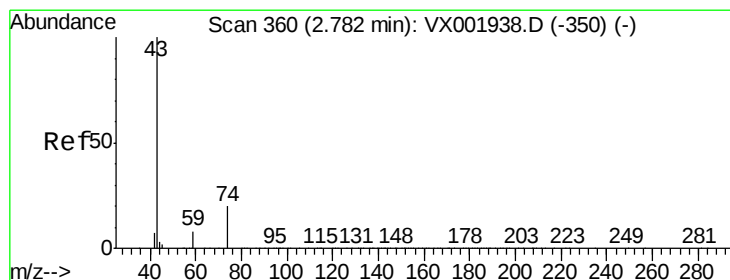
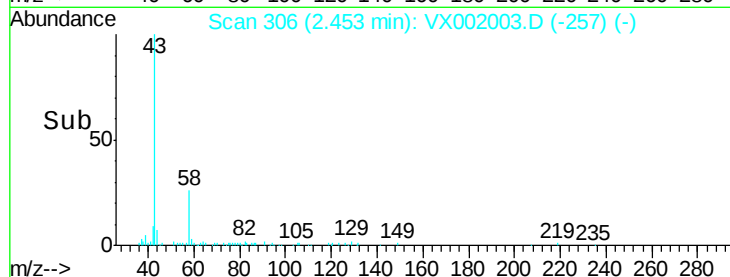
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 5.38 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002003.D

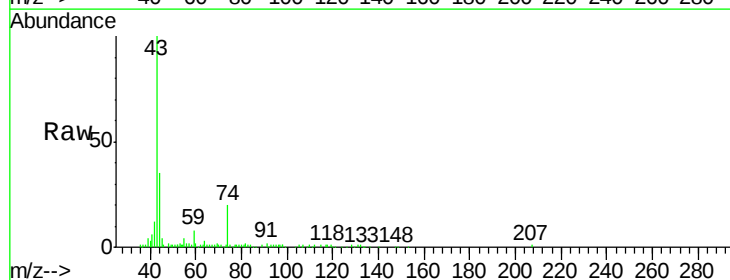
Acq: 26 May 2018 03:42

Tgt Ion: 43 Resp: 31236

Ion Ratio Lower Upper

43 100

74 21.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

20000

15000

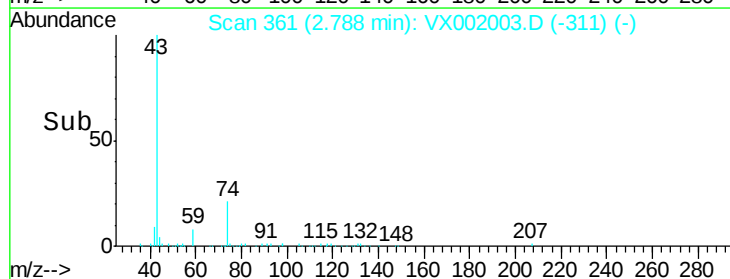
10000

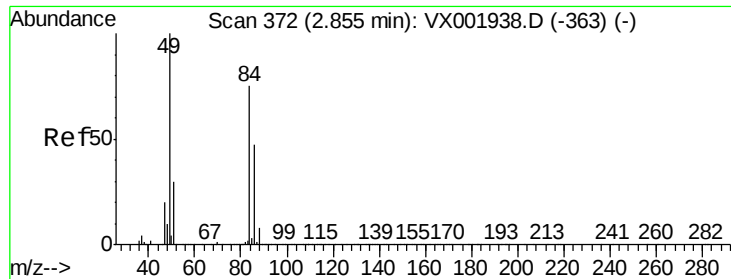
5000

0

Time-->

2.70 2.75 2.80 2.85 2.90

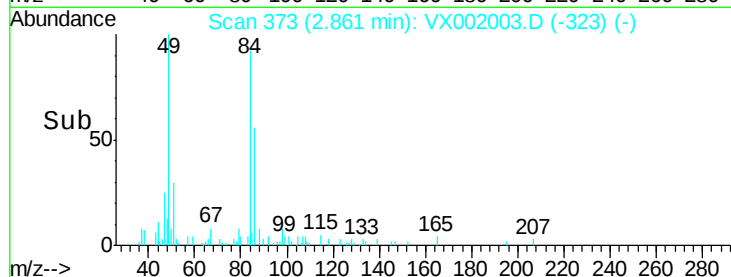
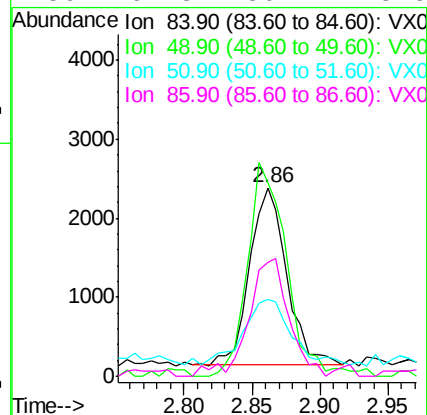
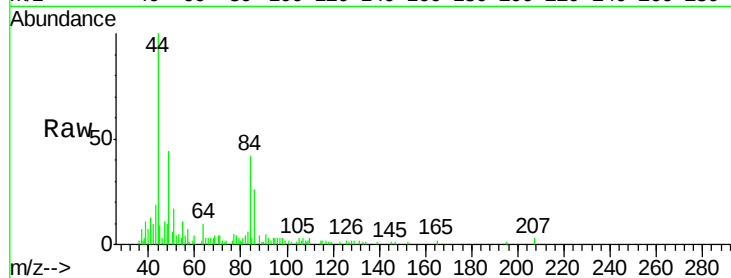




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002003.D
Acq: 26 May 2018 03:42

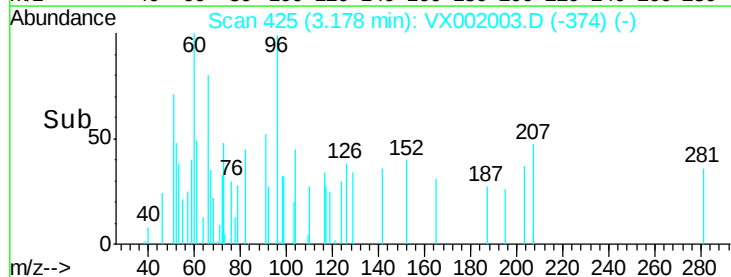
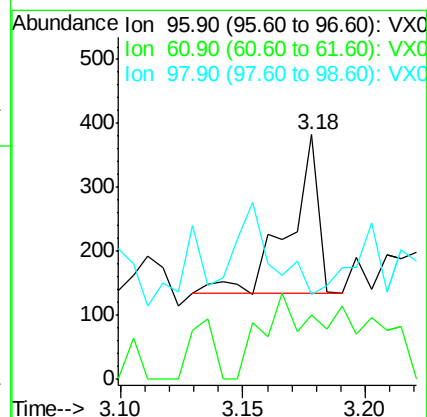
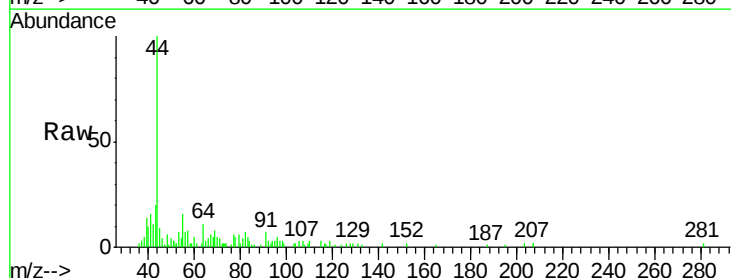
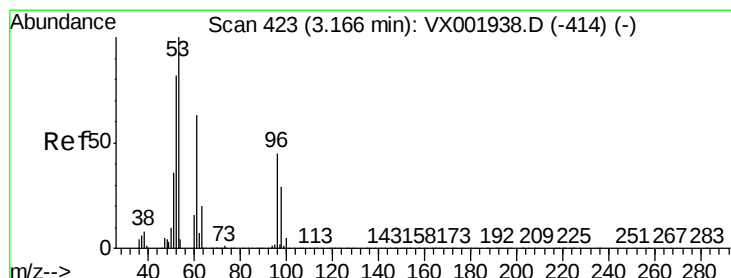
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#11

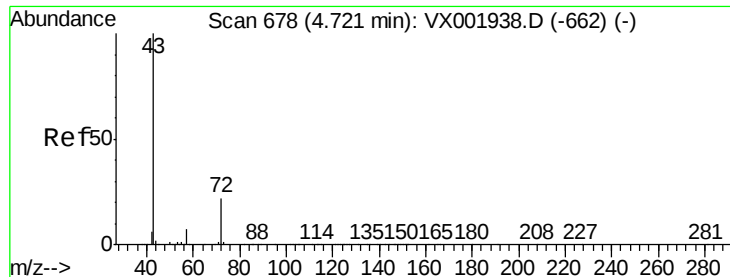
Tgt Ion:	84	Resp:	4236
Ion	Ratio	Lower	Upper
84	100		
49	109.7	107.2	160.8
51	35.5	32.4	48.6
86	64.3	50.4	75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.18 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX002003.D
Acq: 26 May 2018 03:42

Tgt Ion:	96	Resp:	209
Ion	Ratio	Lower	Upper
96	100		
61	9.6	113.3	169.9#
98	0.0	51.7	77.5#





#25

2-Butanone

Concen: 0.81 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

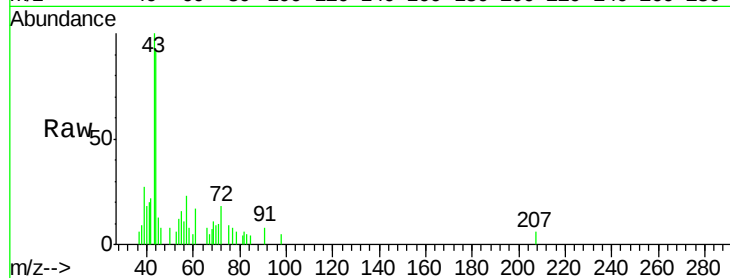
PB109661ZHE#11

Tgt Ion: 43 Resp: 3024

Ion Ratio Lower Upper

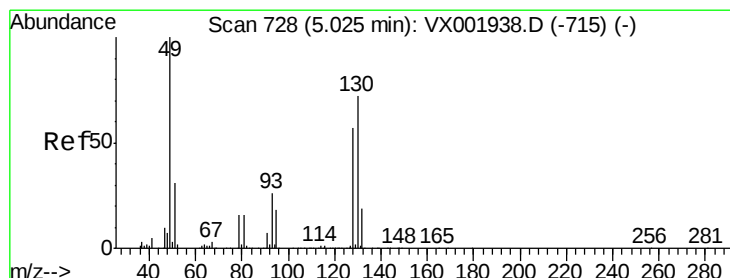
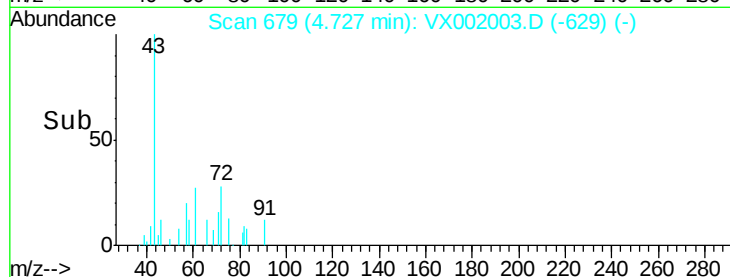
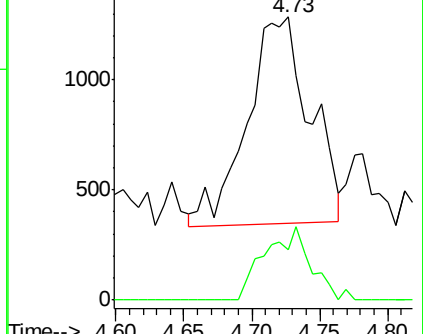
43 100

72 25.4 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: 5.10 min Scan# 740

Delta R.T. 0.07 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

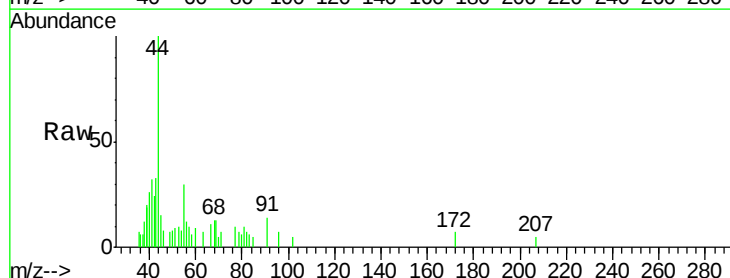
Tgt Ion: 49 Resp: 69

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

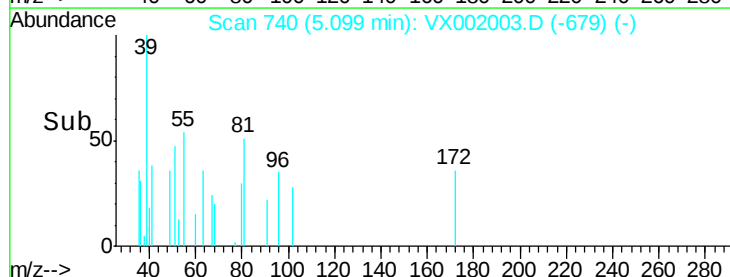
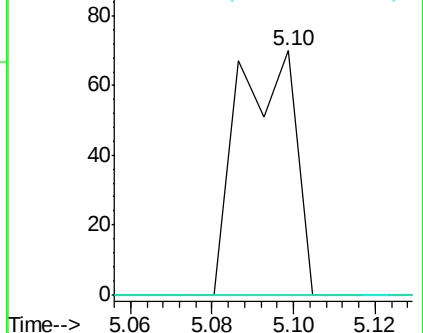
130 0.0 59.4 89.2#

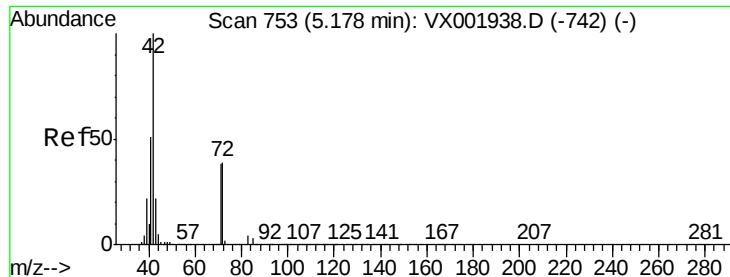


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#11

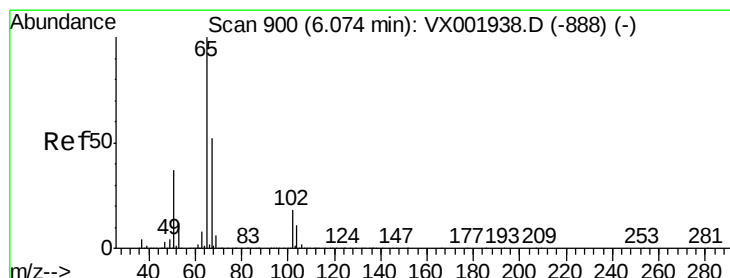
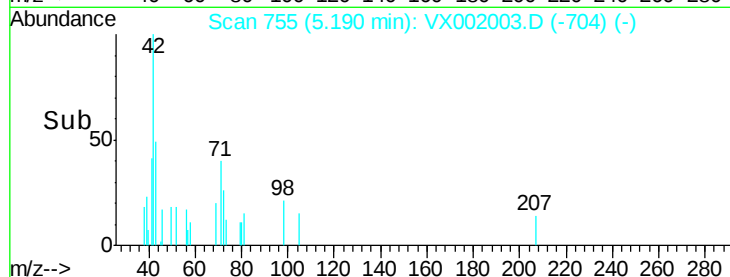
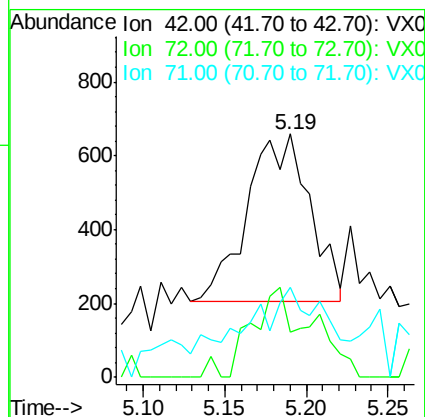
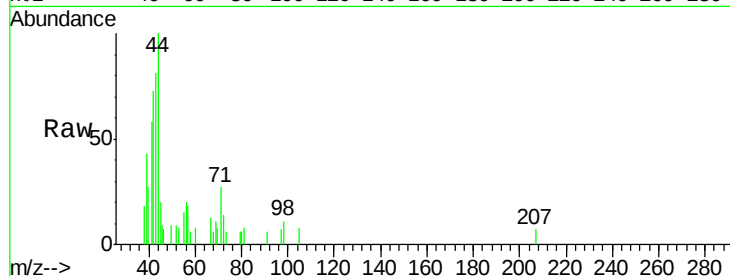
Tgt Ion: 42 Resp: 1203

Ion Ratio Lower Upper

42 100

72 34.1 31.4 47.0

71 72.7 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 50.63 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002003.D

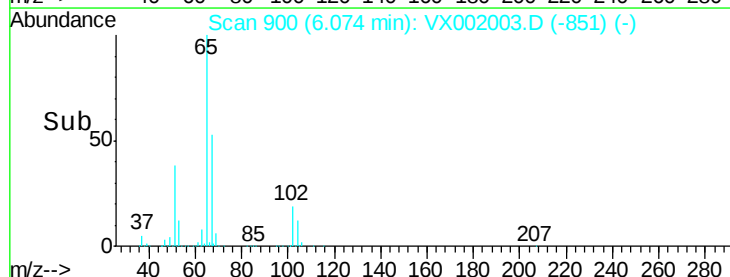
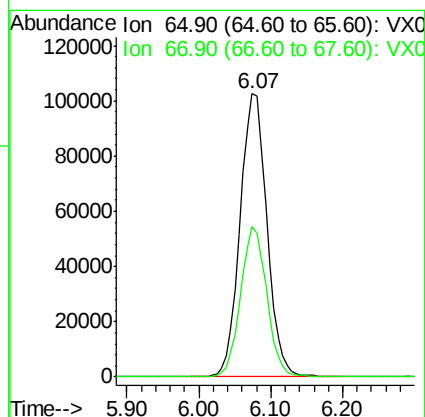
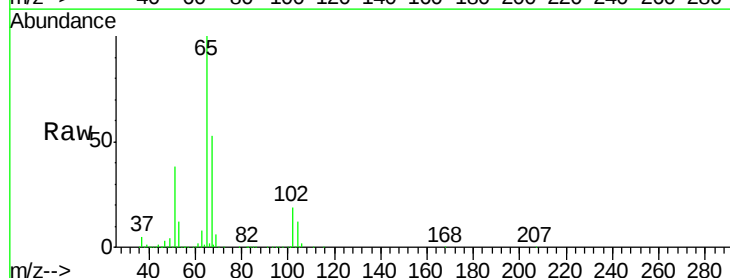
Acq: 26 May 2018 03:42

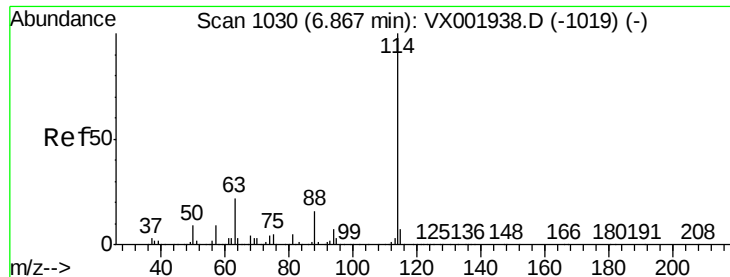
Tgt Ion: 65 Resp: 265897

Ion Ratio Lower Upper

65 100

67 51.6 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: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

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ClientSampleId :

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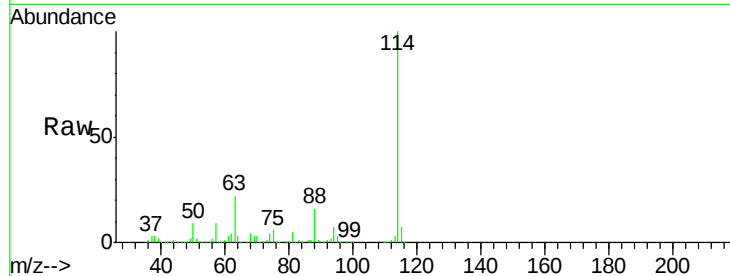
Tgt Ion:114 Resp: 441246

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 16.1 0.0 31.6



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

250000

200000

150000

100000

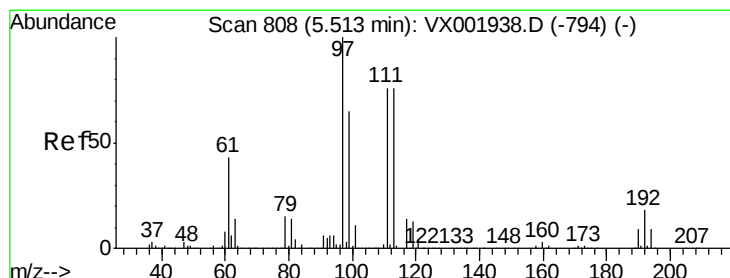
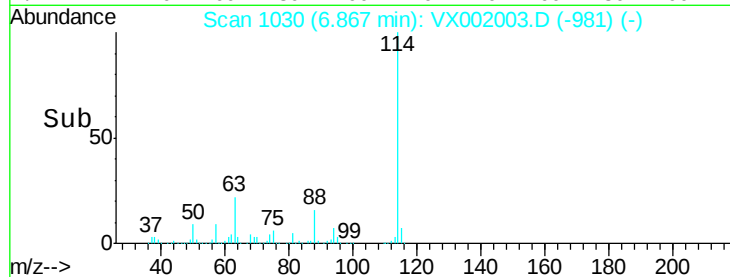
50000

0

6.80

6.90

Time-->



#35

Dibromofluoromethane

Concen: 46.59 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

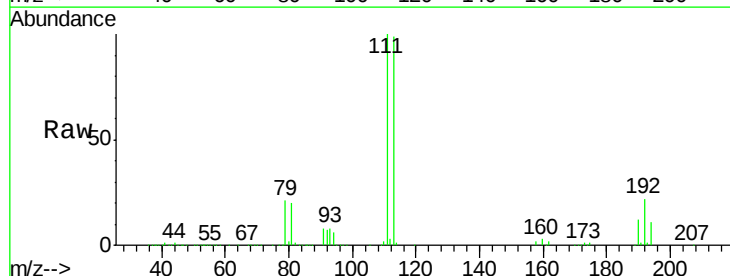
Tgt Ion:113 Resp: 205568

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

192 23.7 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

100000

80000

60000

40000

20000

0

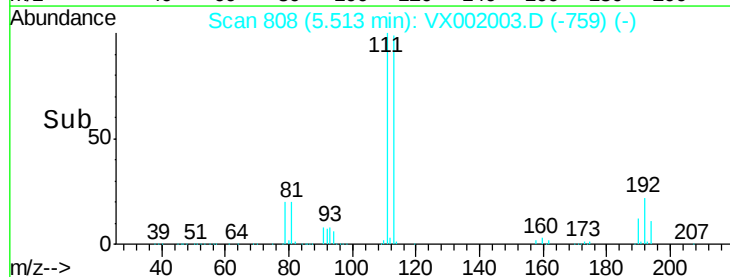
5.40

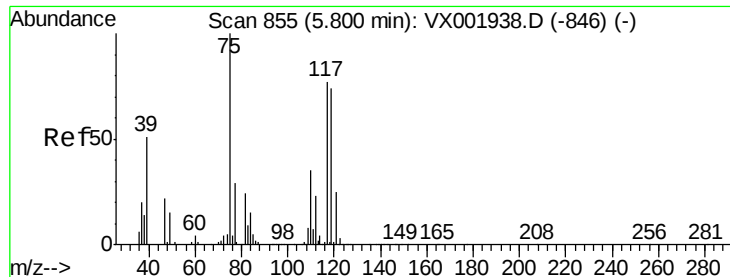
5.50

5.60

5.70

Time-->

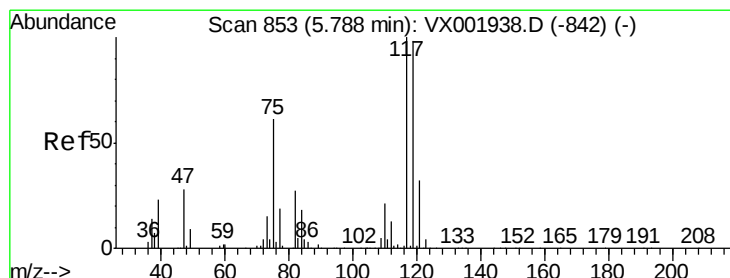
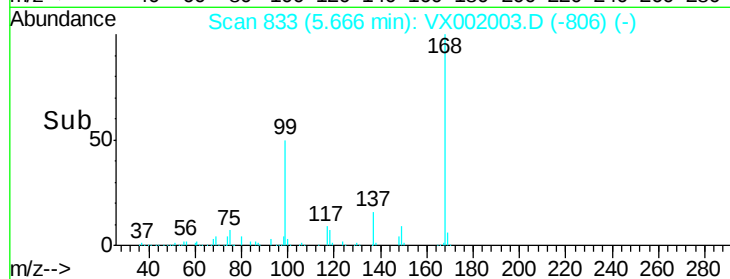
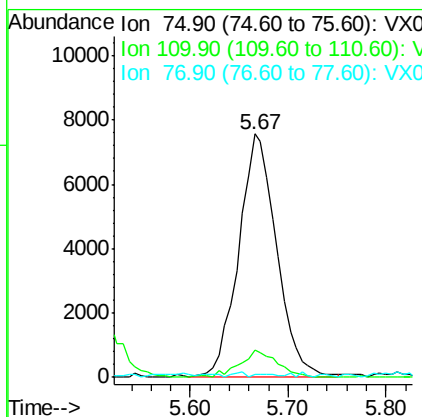
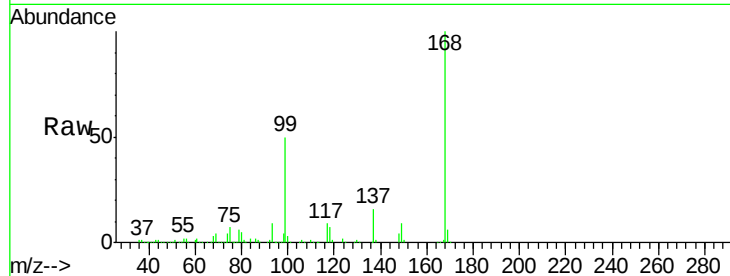




#36
 1,1-Dichloropropene
 Concen: 3.32 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002003.D
 Acq: 26 May 2018 03:42

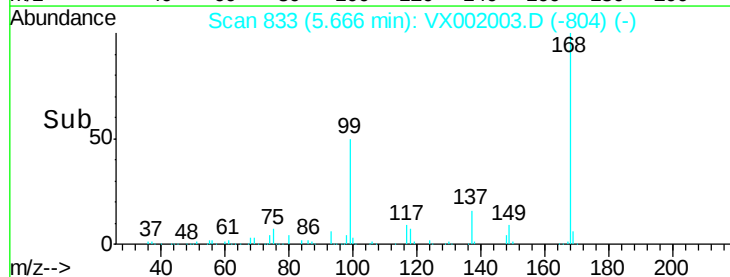
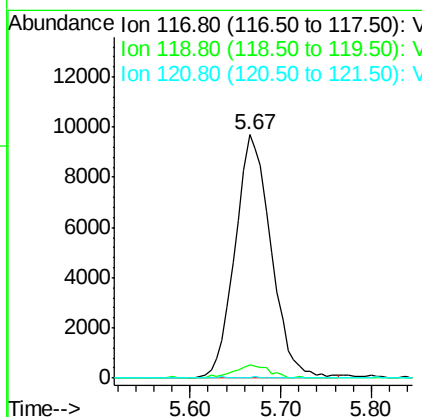
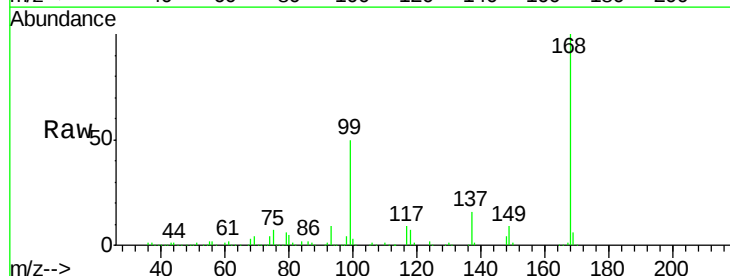
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#11

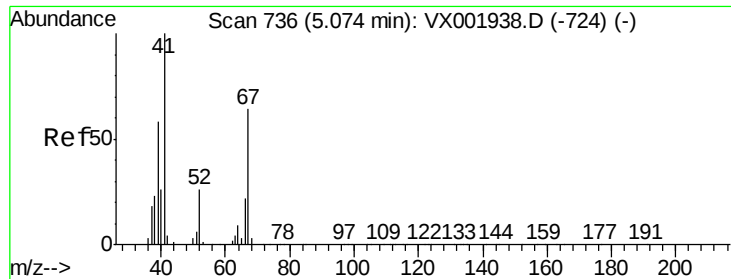
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.4	52.2#
77	0.8	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.73 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002003.D
 Acq: 26 May 2018 03:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.5	117.7#
121	0.0	25.5	38.3#

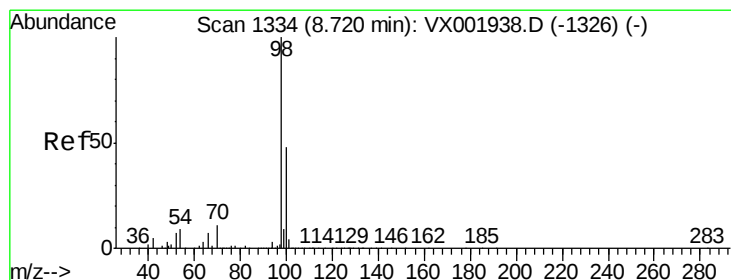
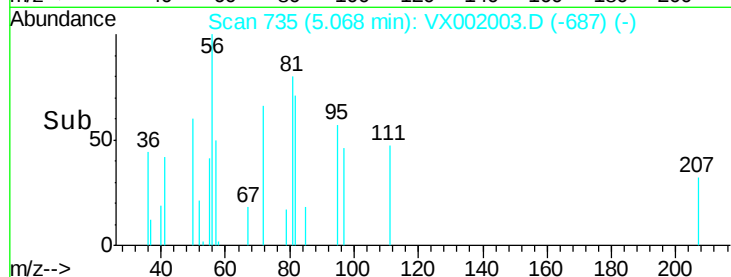
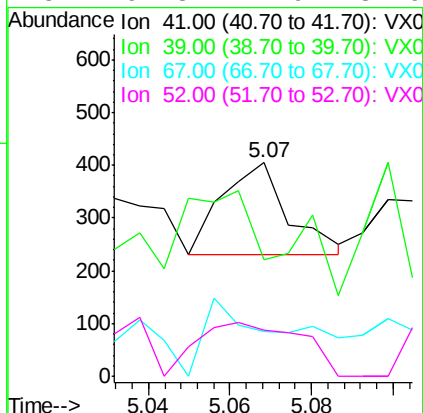
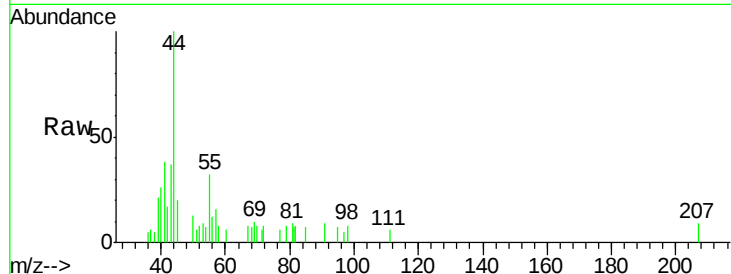




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002003.D
Acq: 26 May 2018 03:42

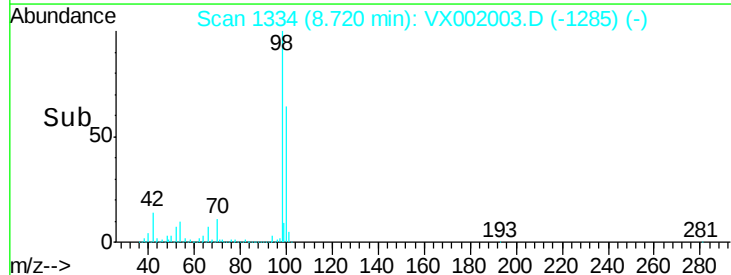
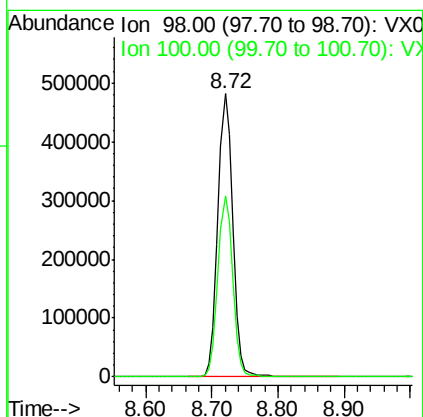
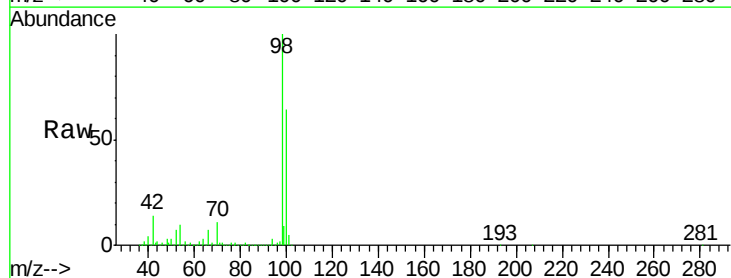
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#11

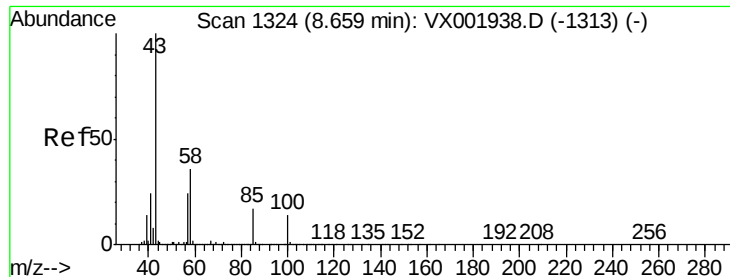
Tgt Ion:	41	Resp:	196
Ion	Ratio	Lower	Upper
41	100		
39	97.4	46.0	69.0#
67	108.7	50.6	75.8#
52	92.3	21.9	32.9#



#50
Toluene-d8
Concen: 46.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002003.D
Acq: 26 May 2018 03:42

Tgt Ion:	98	Resp:	750574
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3

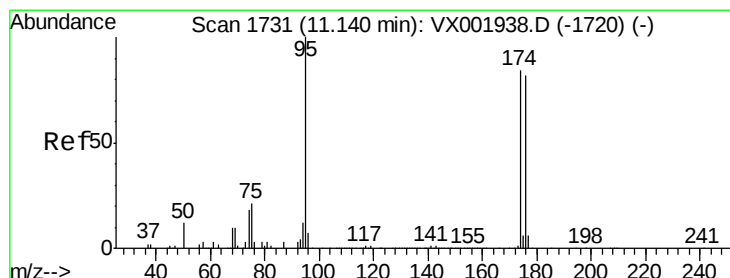
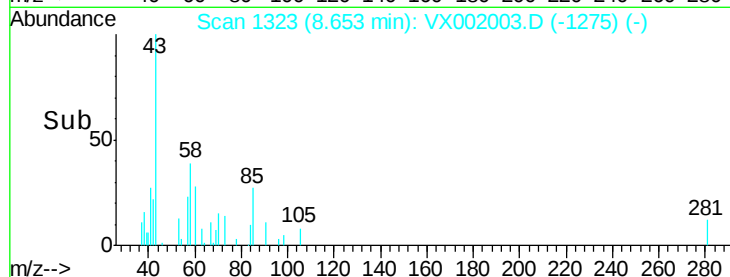
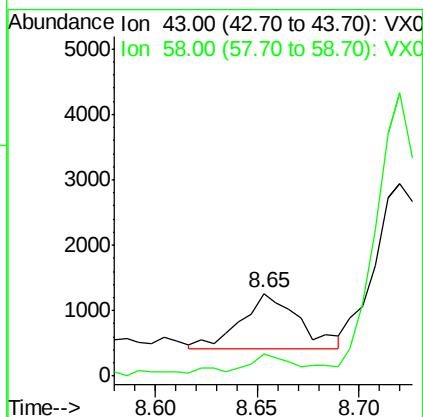
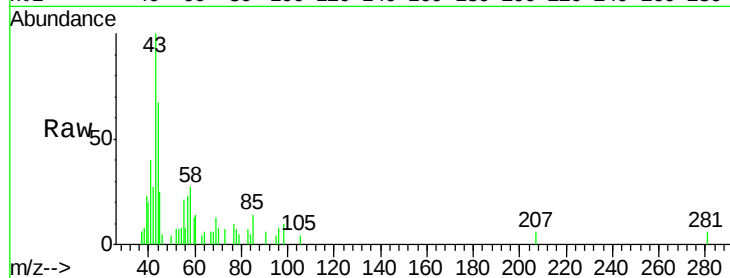




#51
 4-Methyl-2-Pentanone
 Concen: 0.21 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002003.D
 Acq: 26 May 2018 03:42

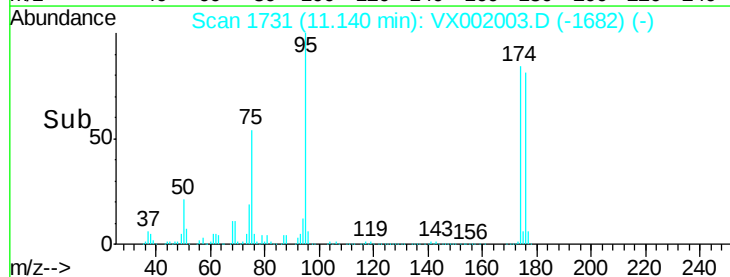
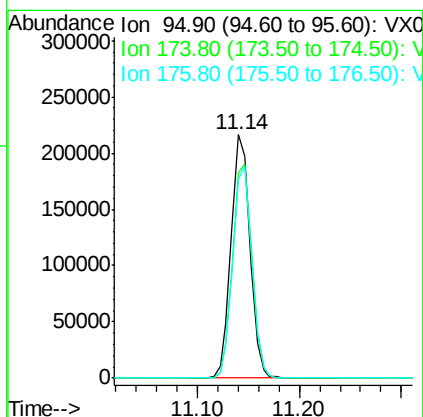
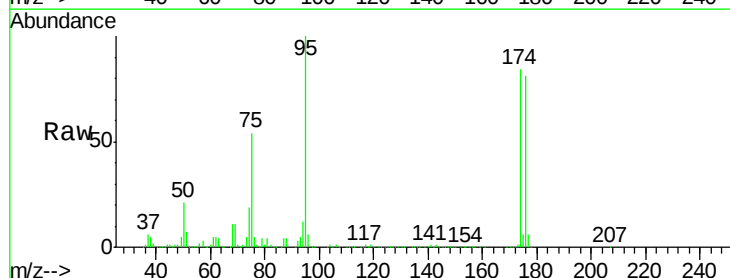
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#11

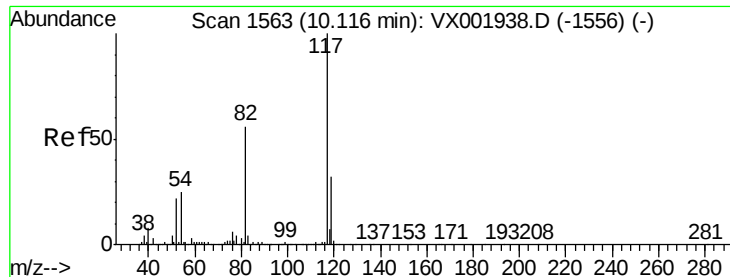
Tgt Ion: 43 Resp: 1688
 Ion Ratio Lower Upper
 43 100
 58 20.7 28.5 42.7#



#62
 4-Bromofluorobenzene
 Concen: 44.05 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002003.D
 Acq: 26 May 2018 03:42

Tgt Ion: 95 Resp: 275316
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 178.8
 176 88.1 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: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#11

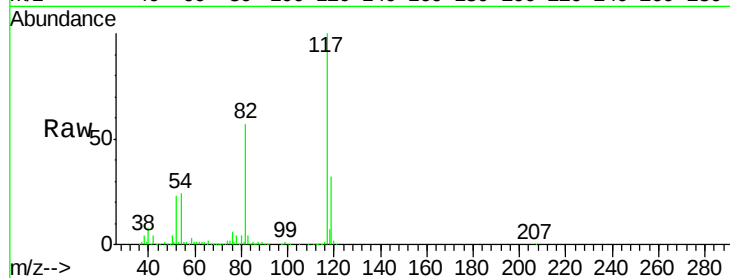
Tgt Ion:117 Resp: 406799

Ion Ratio Lower Upper

117 100

82 57.3 44.8 67.2

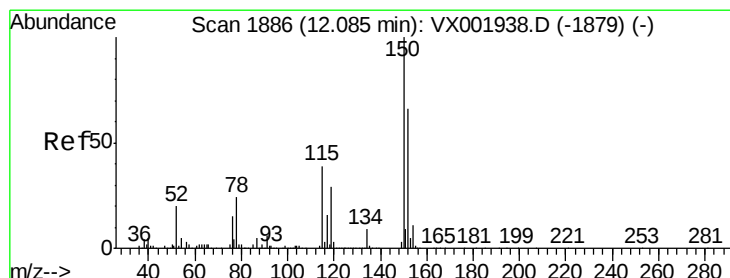
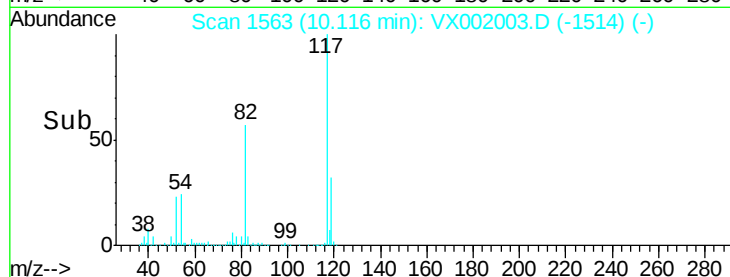
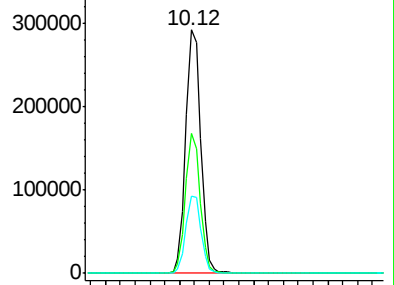
119 31.9 25.5 38.3



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: VX002003.D

Acq: 26 May 2018 03:42

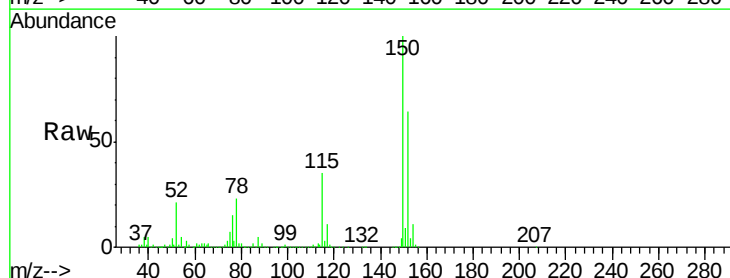
Tgt Ion:152 Resp: 218013

Ion Ratio Lower Upper

152 100

115 55.3 42.3 126.8

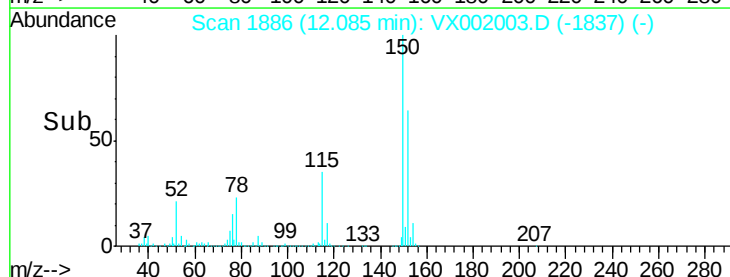
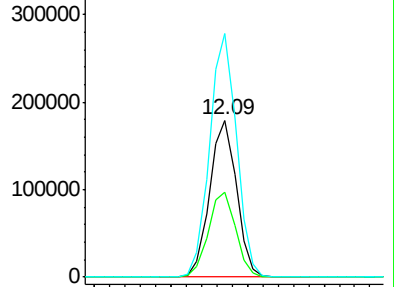
150 155.8 0.0 351.0

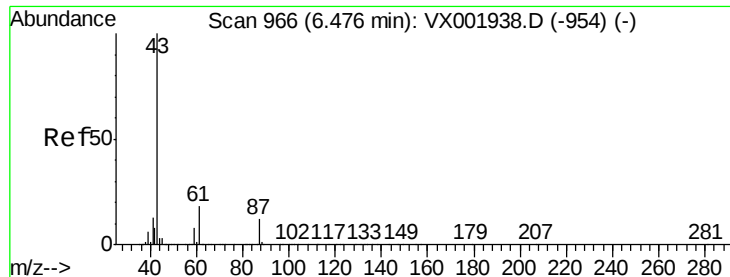


Abundance Ion 151.90 (151.60 to 152.60): V

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: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#11

Tgt Ion: 43 Resp: 557

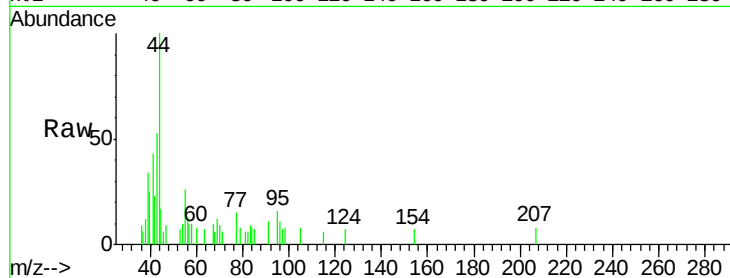
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 30.3 0.1 0.1#

61 5.2 14.5 21.7#

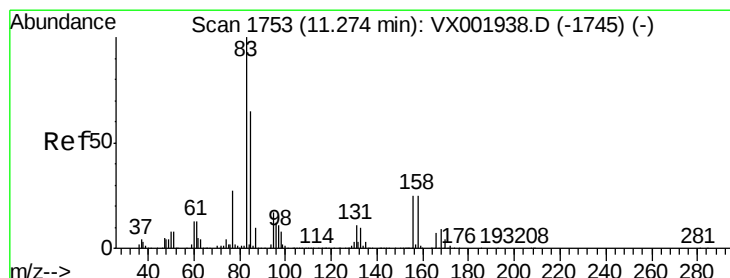
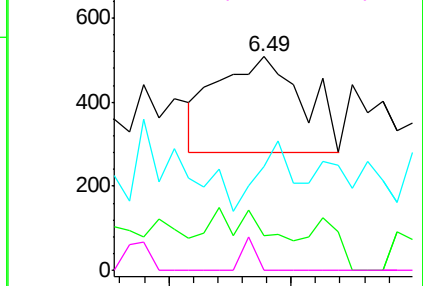
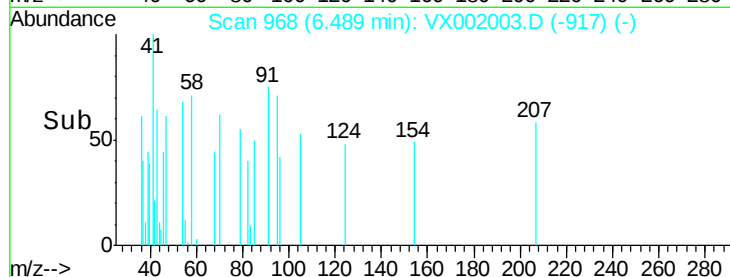


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

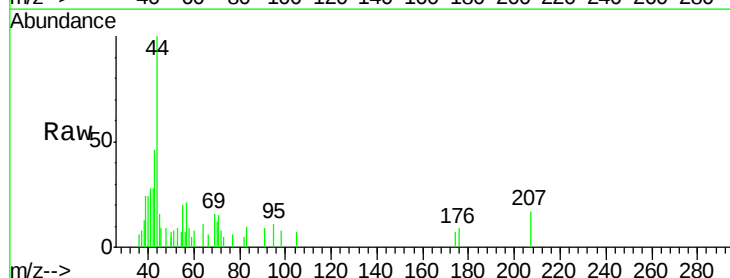
Tgt Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

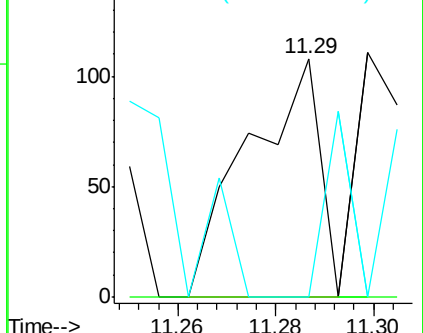
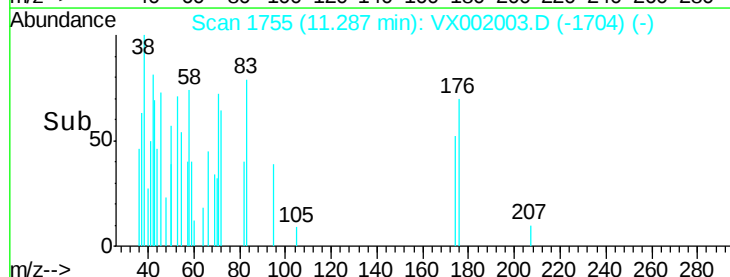
85 0.0 32.6 97.7#

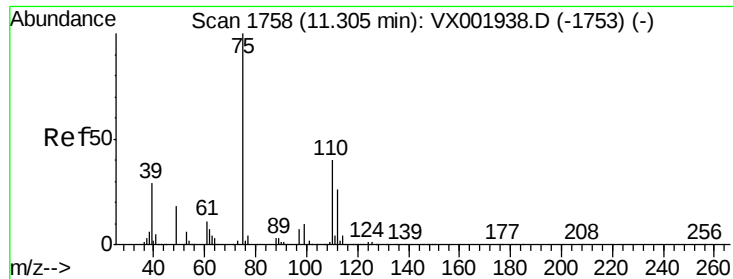


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

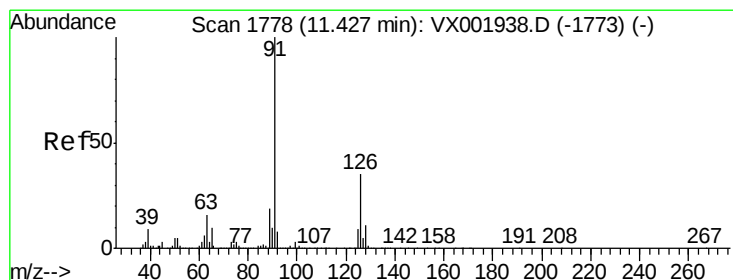
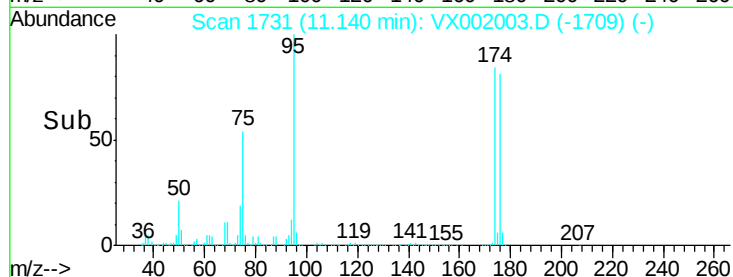
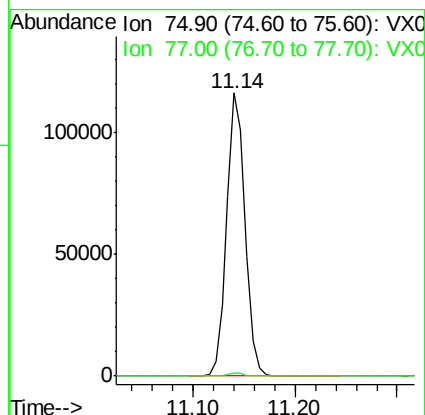
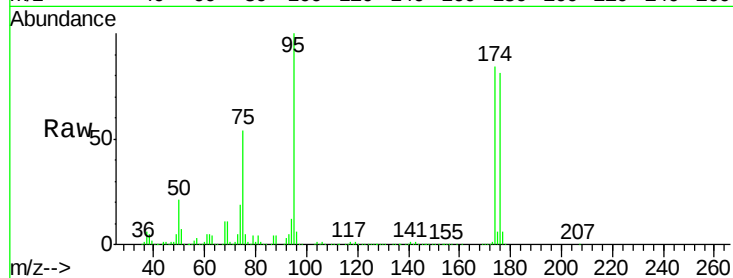




#76
 1,2,3-Trichloropropane
 Concen: 27.66 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002003.D
 Acq: 26 May 2018 03:42

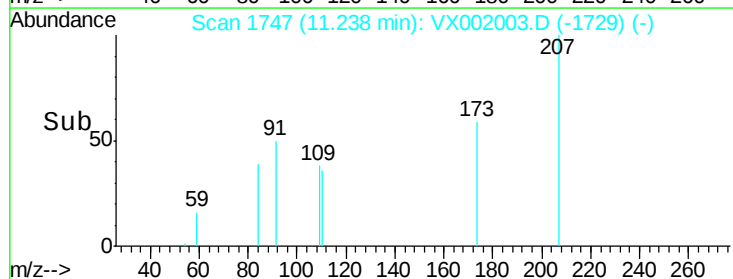
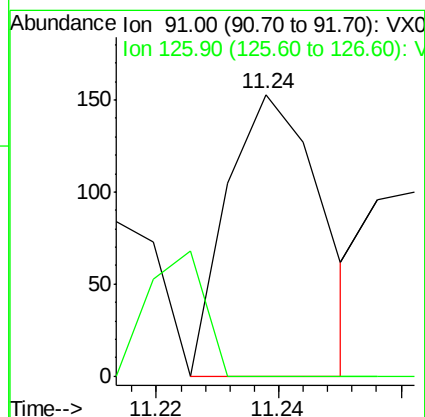
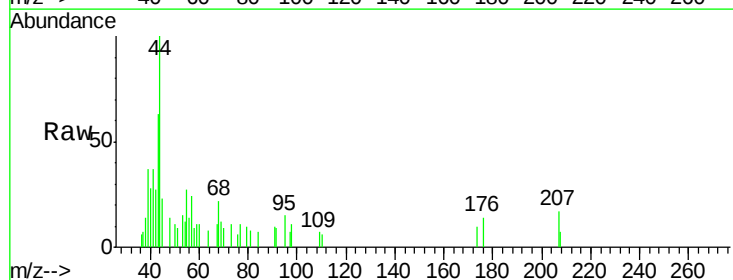
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#11

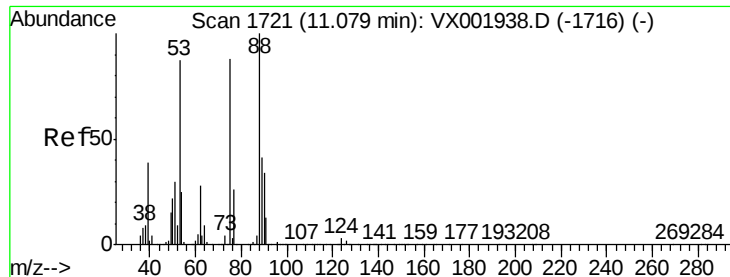
Tgt Ion: 75 Resp: 144856
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.24 min Scan# 1747
 Delta R.T. -0.19 min
 Lab File: VX002003.D
 Acq: 26 May 2018 03:42

Tgt Ion: 91 Resp: 163
 Ion Ratio Lower Upper
 91 100
 126 27.0 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 66.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002003.D

Acq: 26 May 2018 03:42

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#11

Tgt Ion: 75 Resp: 144856

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

