

Data File : VX002001.D

Acq On : 26 May 2018 02:49

Operator : JC/MD

Sample : PB109661ZHE#09

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#09

Quant Time: May 26 04:26:27 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	269595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	424369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	274107	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
35) Dibromofluoromethane	5.51	113	210770	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.72	98	719312	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	11.14	95	260530	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	240	Below Cal	#	41
5) Bromomethane	1.67	94	1054	Below Cal	#	54
10) Methyl Iodide	2.53	142	1061	0.23	ug/l	# 81
13) Acrolein	2.34	56	195	0.48	ug/l	# 65
16) Acetone	2.45	43	15498	8.33	ug/l	100
18) Methyl Acetate	2.78	43	30010	5.69	ug/l	99
20) Methylene Chloride	2.86	84	4283	Below Cal		94
21) trans-1,2-Dichloroethene	3.17	96	161	Below Cal	#	1
25) 2-Butanone	4.71	43	3028	0.89	ug/l	97
28) Bromochloromethane	5.03	49	26	Below Cal	#	9
29) Tetrahydrofuran	5.18	42	1708	0.77	ug/l	92
36) 1,1-Dichloropropene	5.67	75	18866	3.20	ug/l	# 53
38) Carbon Tetrachloride	5.67	117	25041	3.64	ug/l	# 15
41) Methacrylonitrile	5.09	41	185	Below Cal	#	35
74) N-amyl acetate	6.48	43	309	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.26	83	104	Below Cal	#	6
76) 1,2,3-Trichloropropane	11.14	75	137917	29.18	ug/l	# 33
79) 2-Chlorotoluene	11.63	91	200	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.14	75	137917	70.12	ug/l	# 10

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

Data File : VX002001.D

Acq On : 26 May 2018 02:49

Operator : JC/MD

Sample : PB109661ZHE#09

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 38 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

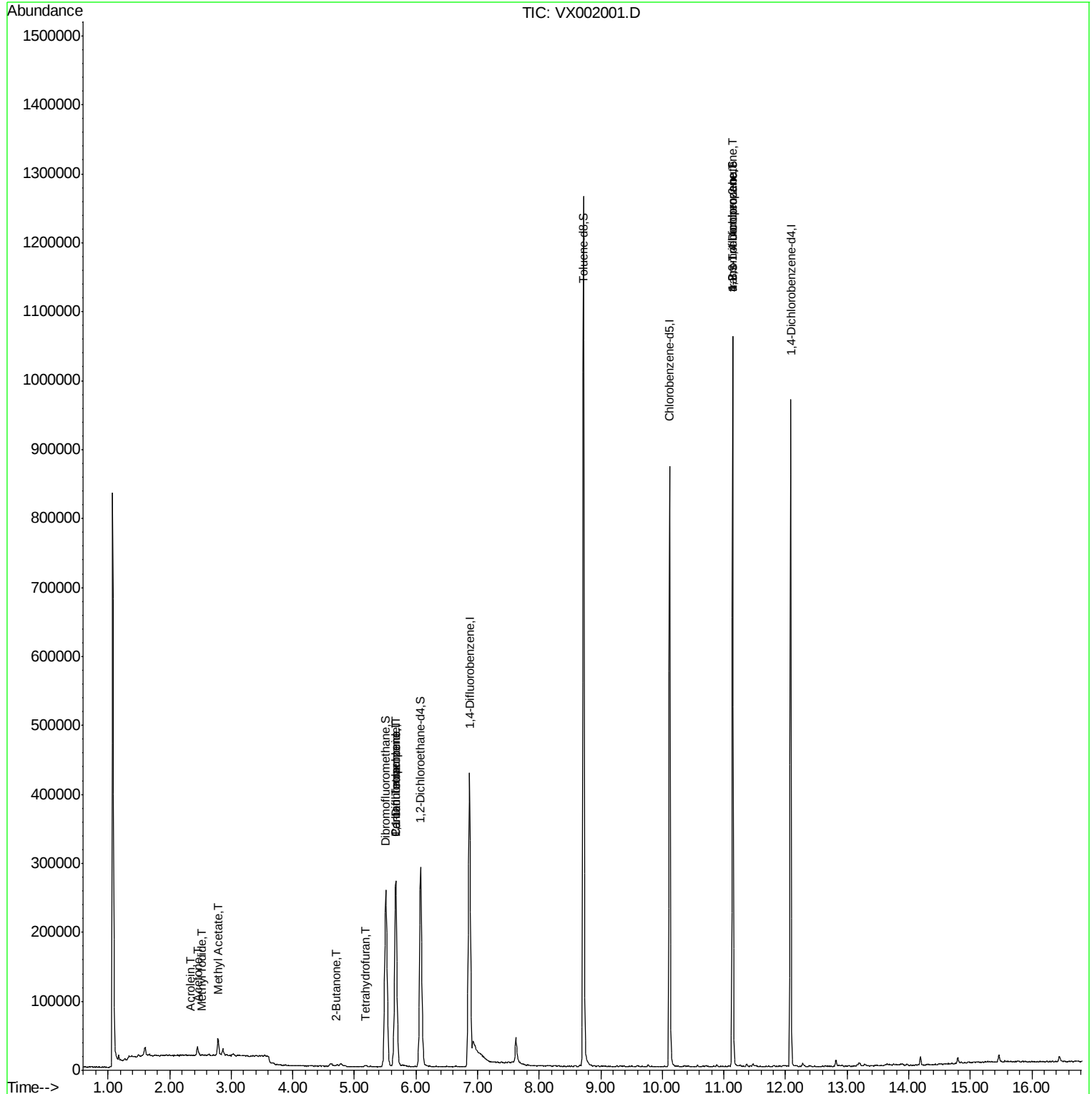
Quant Time: May 26 04:26:27 2018

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: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

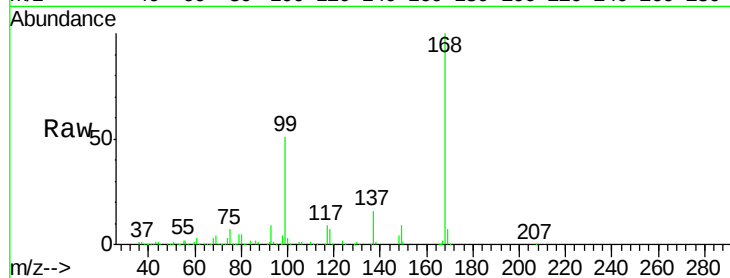
PB109661ZHE#09

Tgt Ion:168 Resp: 269595

Ion Ratio Lower Upper

168 100

99 50.8 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

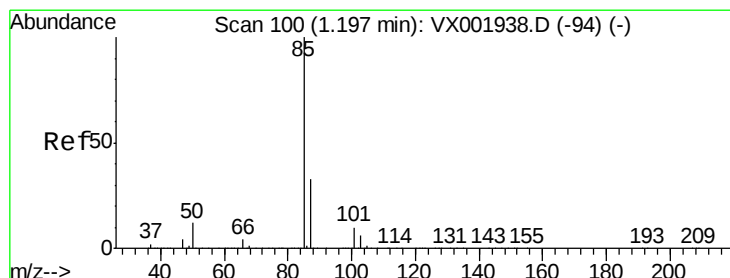
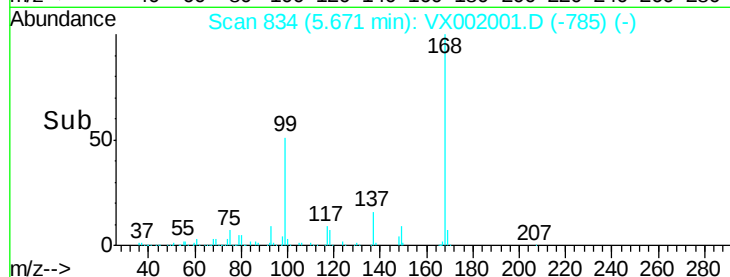
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002001.D

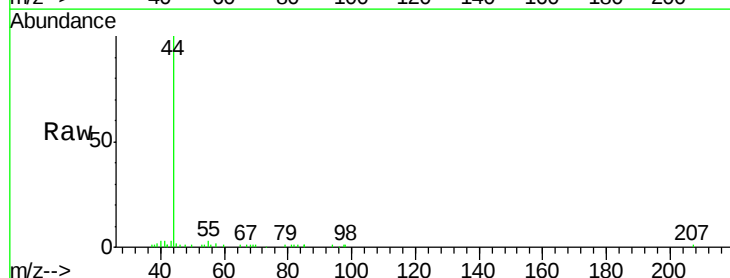
Acq: 26 May 2018 02:49

Tgt Ion: 85 Resp: 240

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

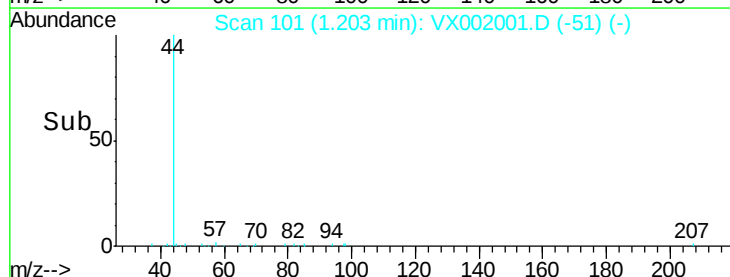
150

100

50

0

Time--> 1.16 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: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

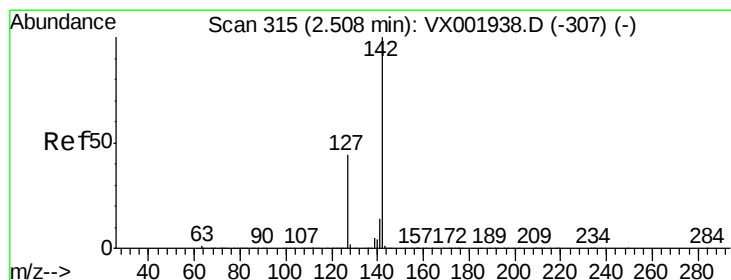
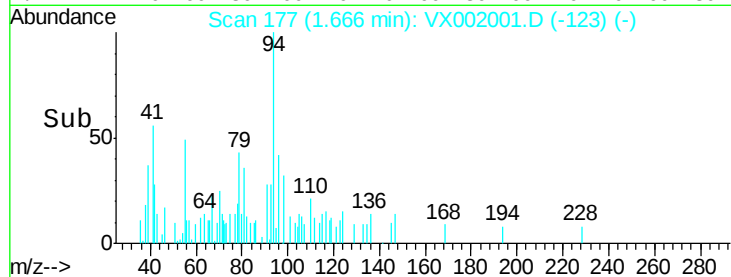
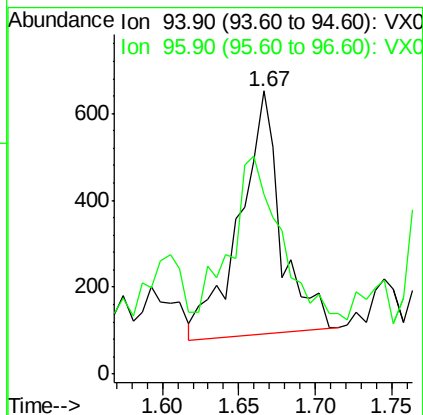
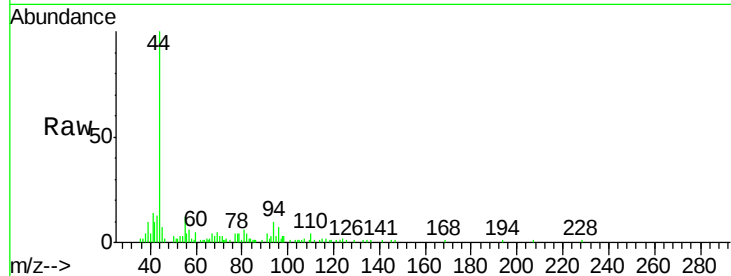
PB109661ZHE#09

Tgt Ion: 94 Resp: 1054

Ion Ratio Lower Upper

94 100

96 50.4 75.9 113.9#



#10

Methyl Iodide

Concen: 0.23 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

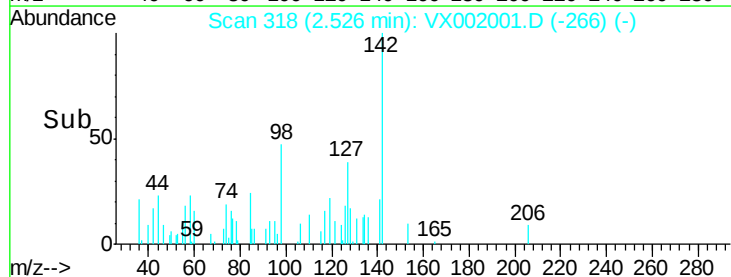
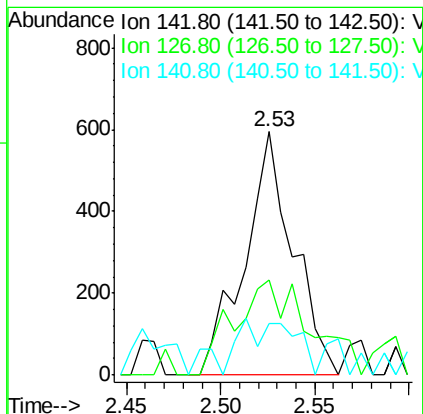
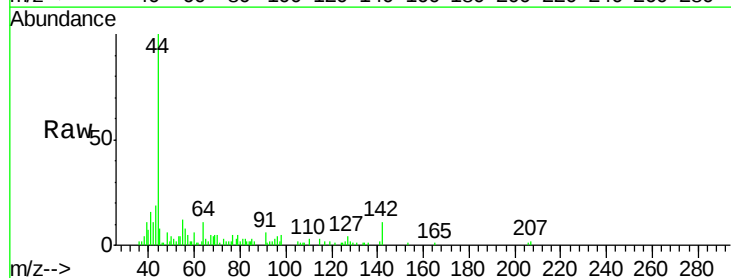
Tgt Ion: 142 Resp: 1061

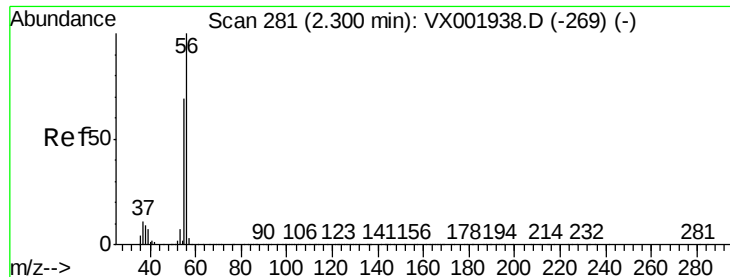
Ion Ratio Lower Upper

142 100

127 60.6 35.5 53.3#

141 14.3 11.3 16.9





#13

Acrolein

Concen: 0.48 ug/l

RT: 2.34 min Scan# 287

Delta R.T. 0.04 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

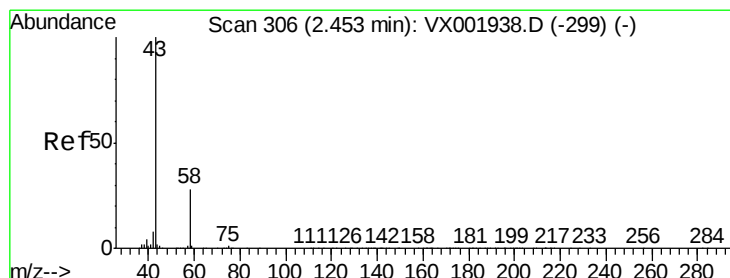
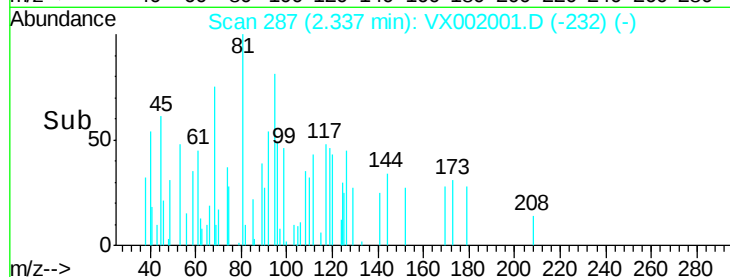
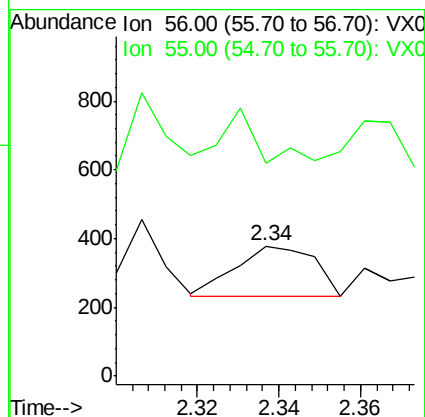
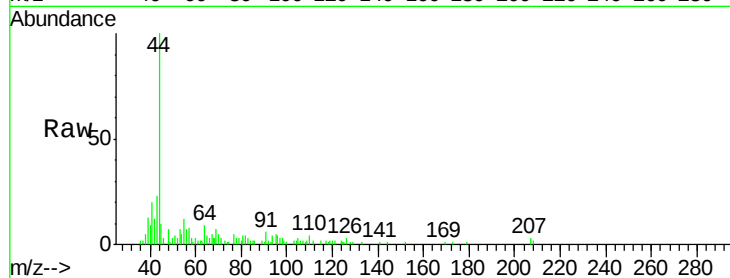
PB109661ZHE#09

Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 100.0 56.8 85.2#



#16

Acetone

Concen: 8.33 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002001.D

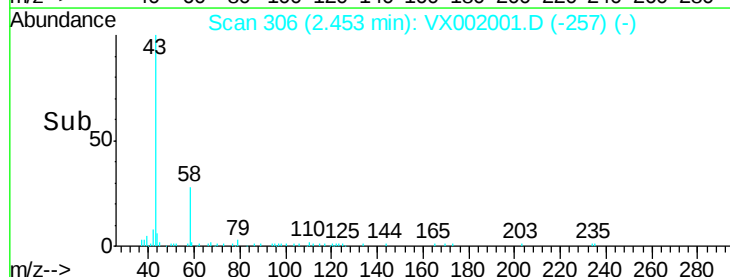
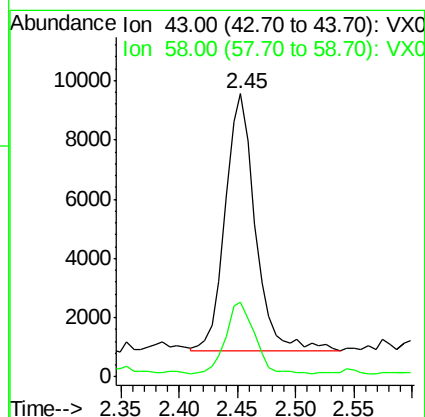
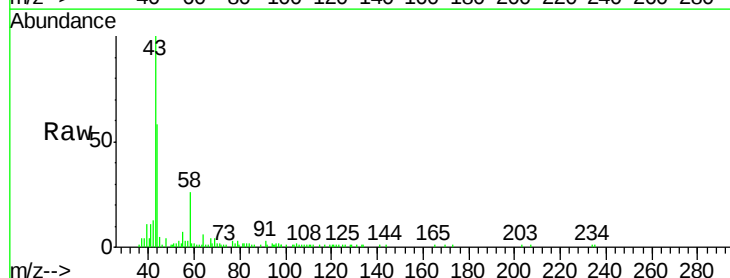
Acq: 26 May 2018 02:49

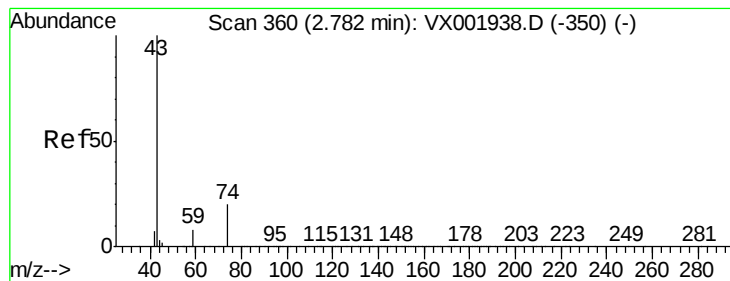
Tgt Ion: 43 Resp: 15498

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5





#18

Methyl Acetate

Concen: 5.69 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

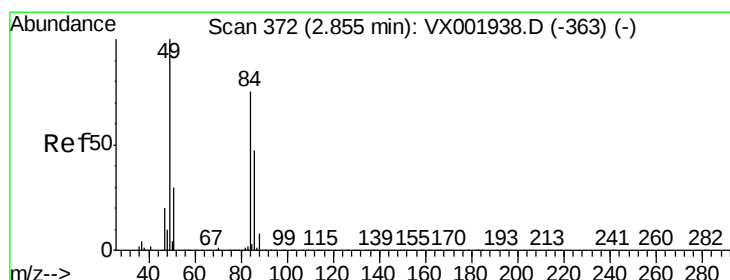
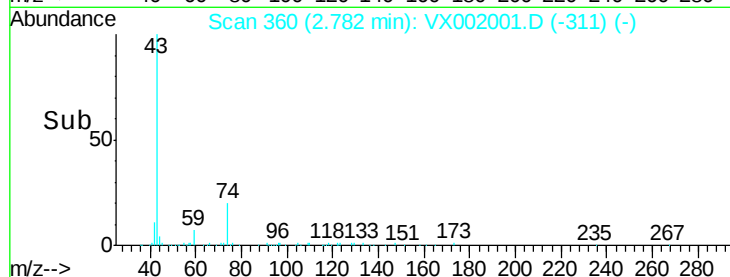
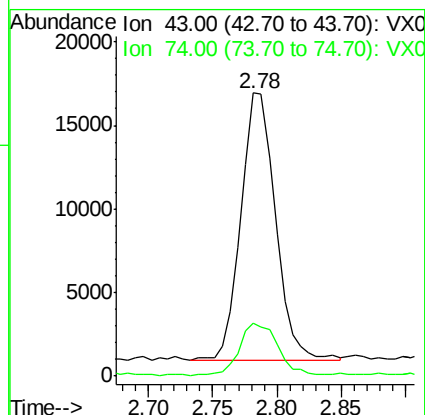
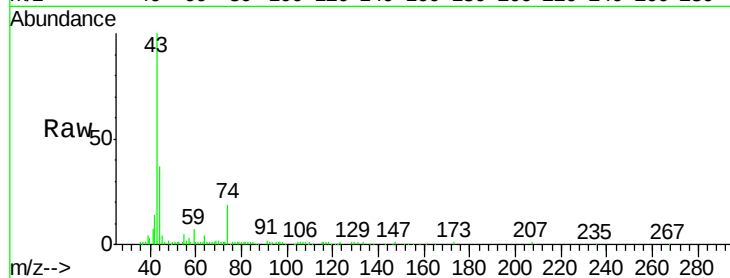
PB109661ZHE#09

Tgt Ion: 43 Resp: 30010

Ion Ratio Lower Upper

43 100

74 21.3 16.8 25.2



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Tgt Ion: 84 Resp: 4283

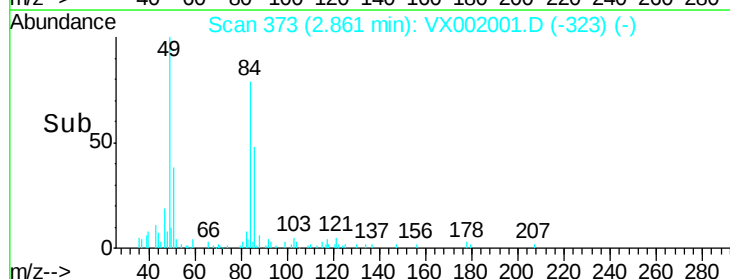
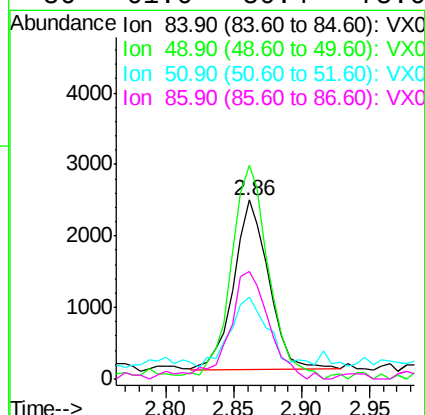
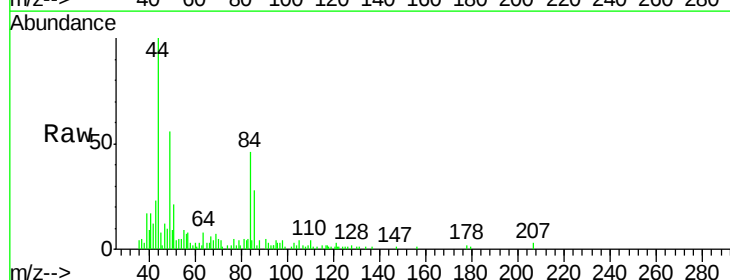
Ion Ratio Lower Upper

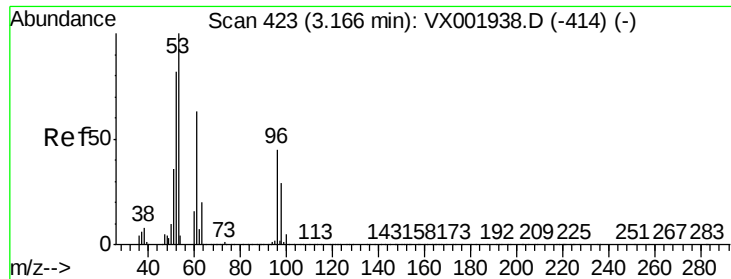
84 100

49 124.0 107.2 160.8

51 38.6 32.4 48.6

86 61.6 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: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

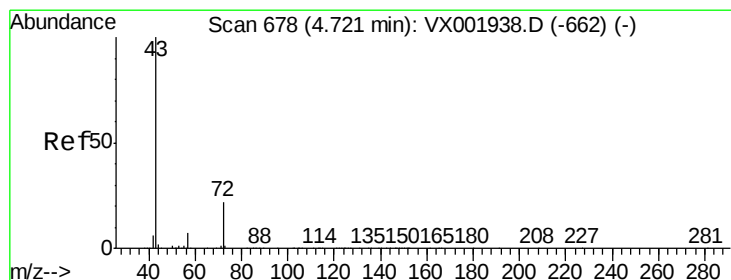
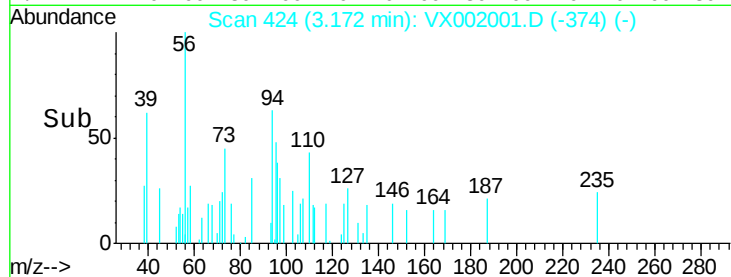
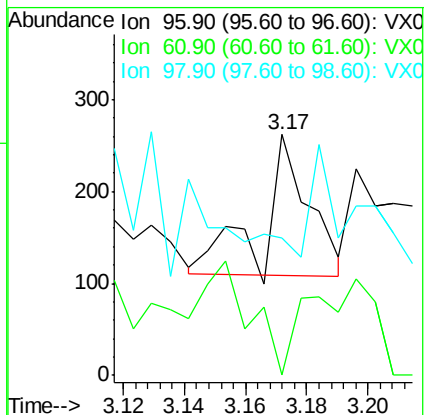
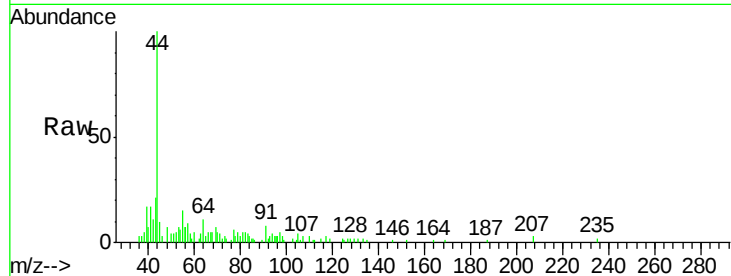
Tgt Ion: 96 Resp: 161

Ion Ratio Lower Upper

96 100

61 0.0 113.3 169.9#

98 0.0 51.7 77.5#



#25

2-Butanone

Concen: 0.89 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002001.D

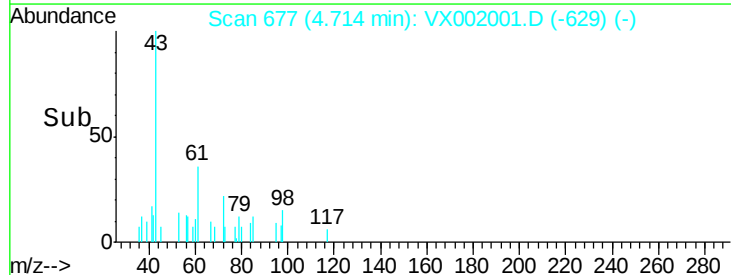
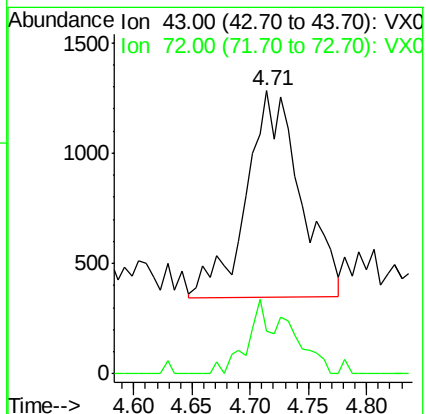
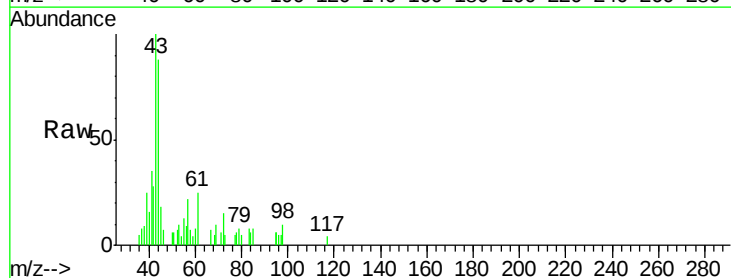
Acq: 26 May 2018 02:49

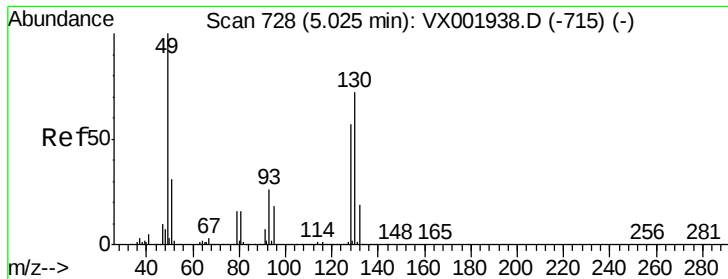
Tgt Ion: 43 Resp: 3028

Ion Ratio Lower Upper

43 100

72 21.1 17.9 26.9





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

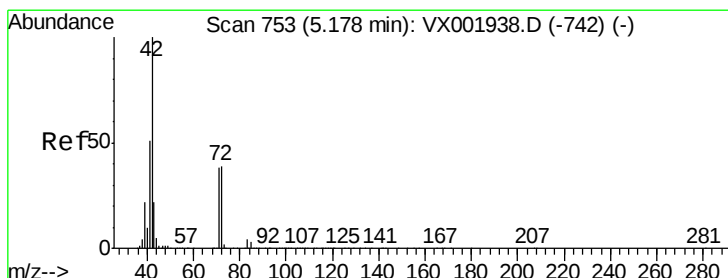
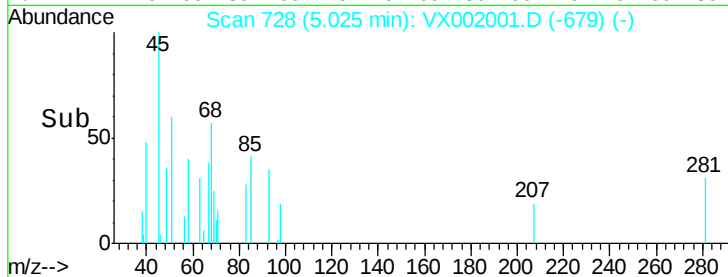
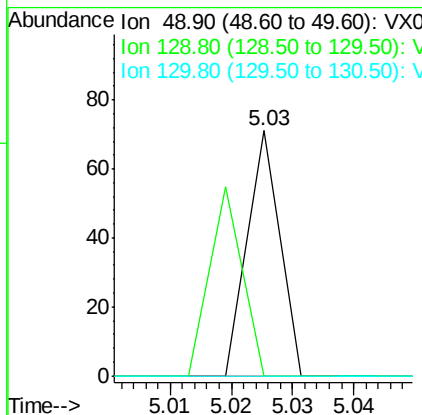
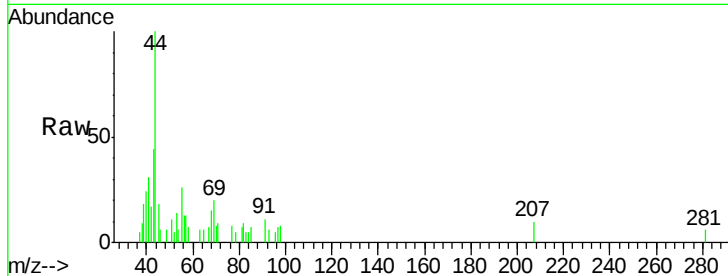
Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

Tgt Ion:	49	Resp:	26
Ion	Ratio	Lower	Upper
49	100		
129	76.9	0.0	3.8#
130	0.0	59.4	89.2#



#29

Tetrahydrofuran

Concen: 0.77 ug/l

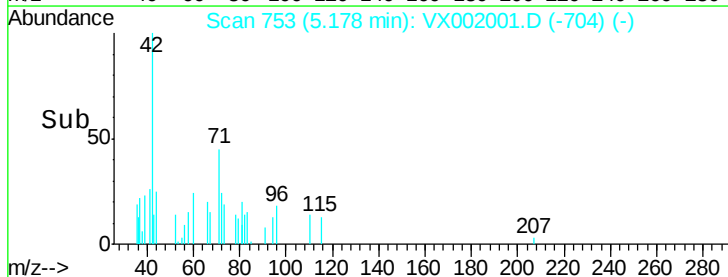
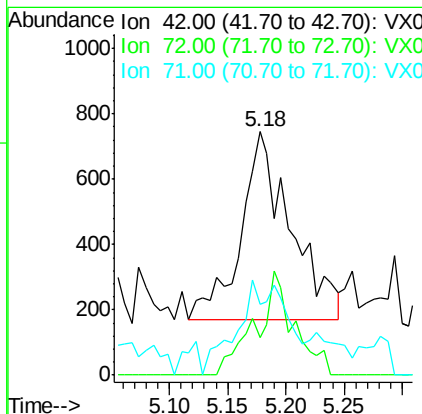
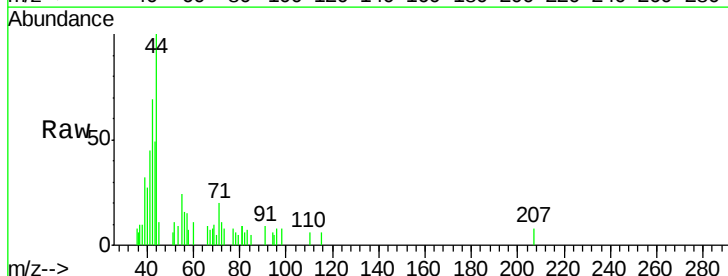
RT: 5.18 min Scan# 753

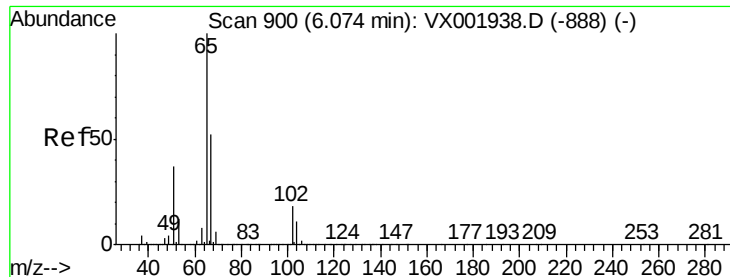
Delta R.T. -0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Tgt Ion:	42	Resp:	1708
Ion	Ratio	Lower	Upper
42	100		
72	42.6	31.4	47.0
71	30.4	29.5	44.3





#33

1,2-Dichloroethane-d4

Concen: 56.88 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

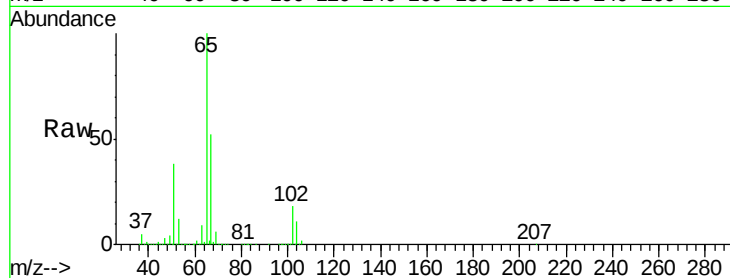
PB109661ZHE#09

Tgt Ion: 65 Resp: 274107

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

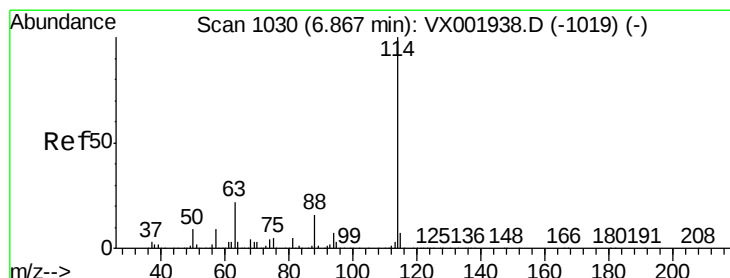
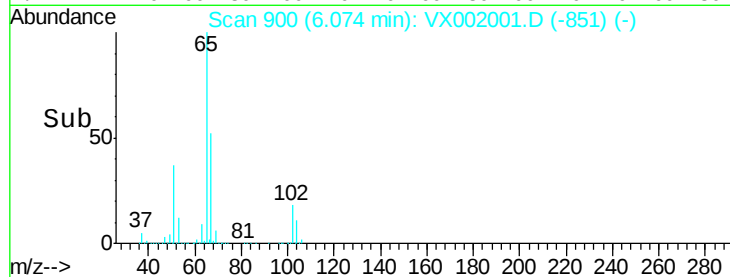
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

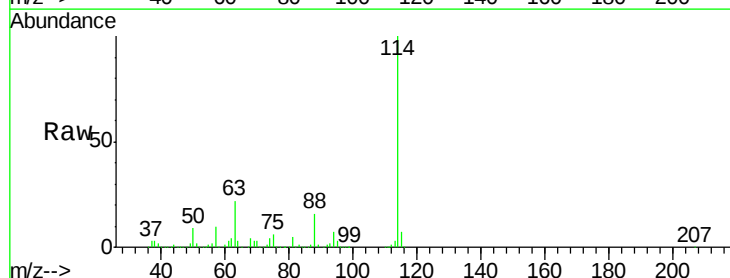
Tgt Ion: 114 Resp: 424369

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.0 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

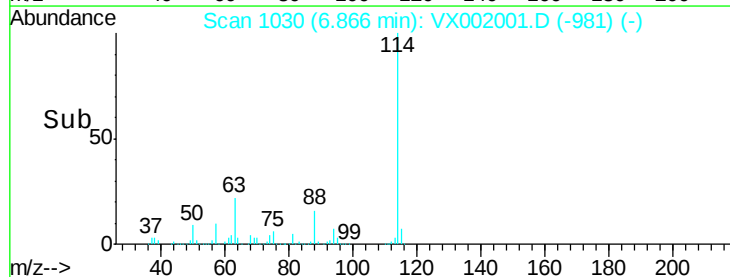
150000

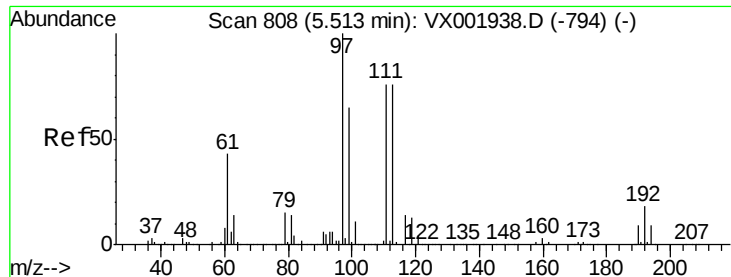
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

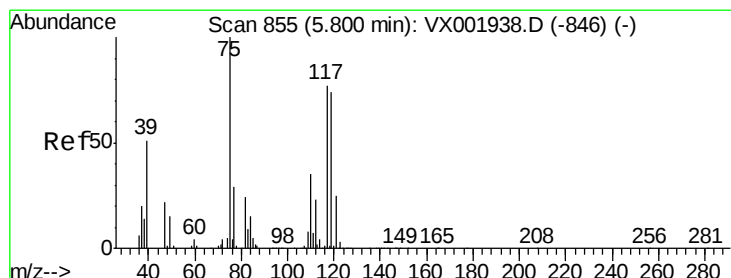
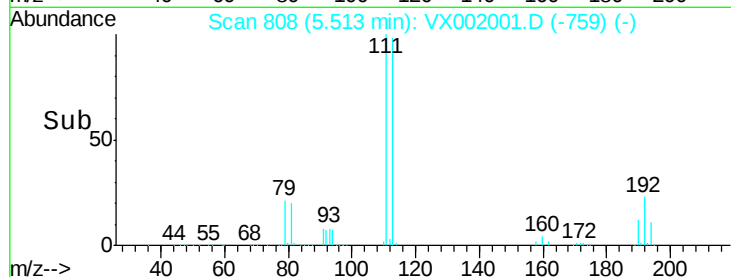
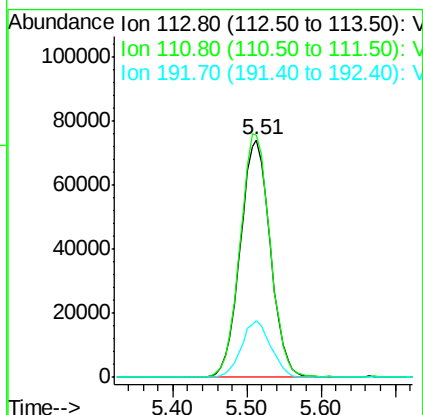
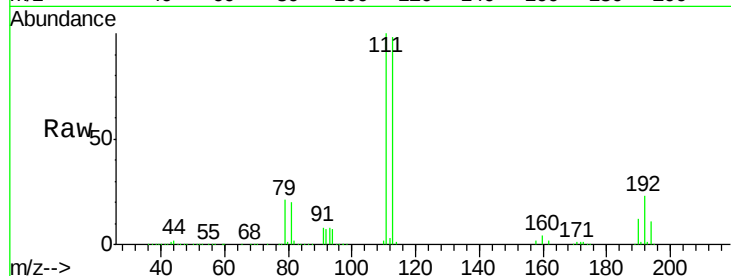




#35
 Dibromofluoromethane
 Concen: 49.67 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002001.D
 Acq: 26 May 2018 02:49

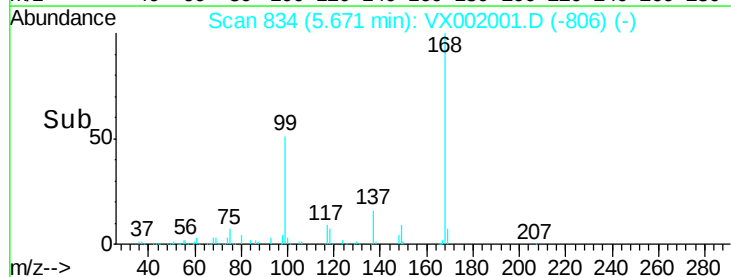
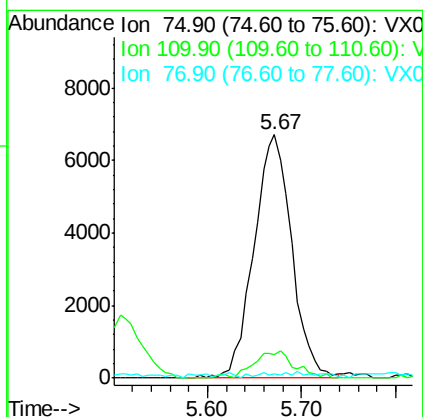
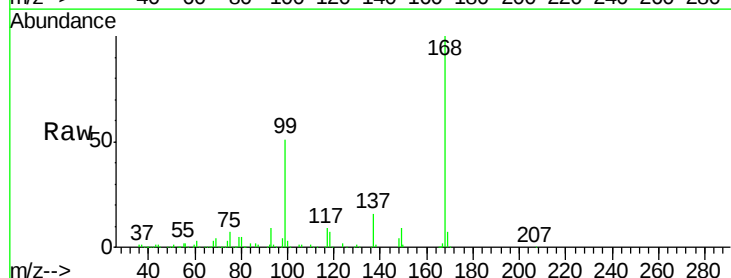
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#09

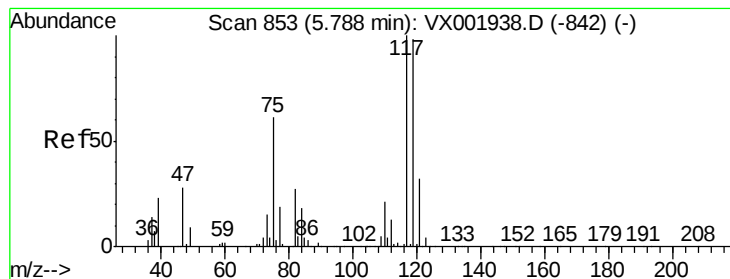
Tgt Ion:113 Resp: 210770
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.0 123.0
 192 23.3 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 3.20 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002001.D
 Acq: 26 May 2018 02:49

Tgt Ion: 75 Resp: 18866
 Ion Ratio Lower Upper
 75 100
 110 11.8 17.4 52.2#
 77 0.9 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 3.64 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

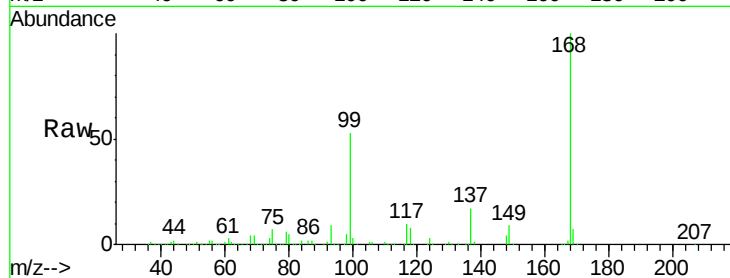
Tgt Ion: 117 Resp: 25041

Ion Ratio Lower Upper

117 100

119 4.8 78.5 117.7#

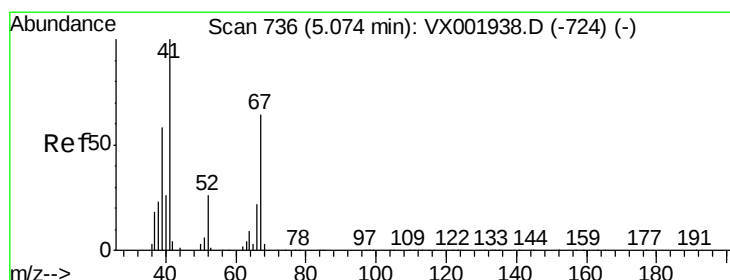
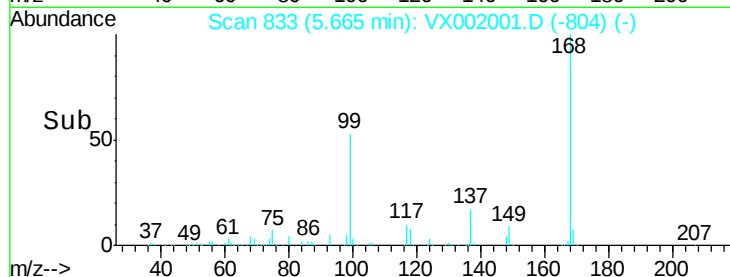
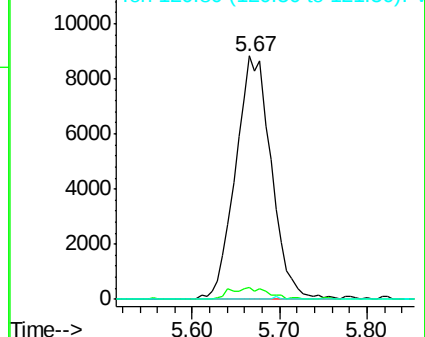
121 0.0 25.5 38.3#



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: 5.09 min Scan# 738

Delta R.T. 0.01 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Tgt Ion: 41 Resp: 185

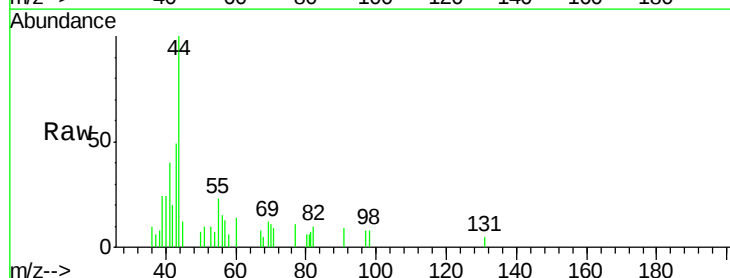
Ion Ratio Lower Upper

41 100

39 0.0 46.0 69.0#

67 120.0 50.6 75.8#

52 16.2 21.9 32.9#

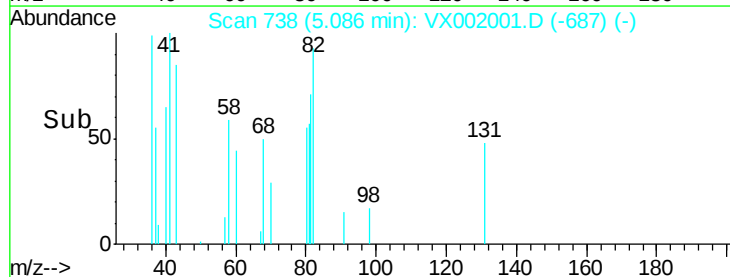
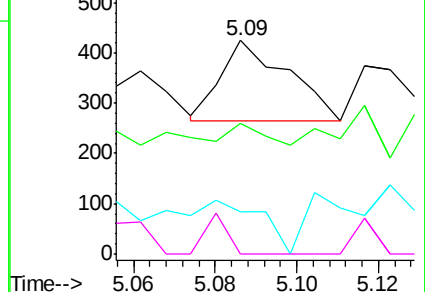


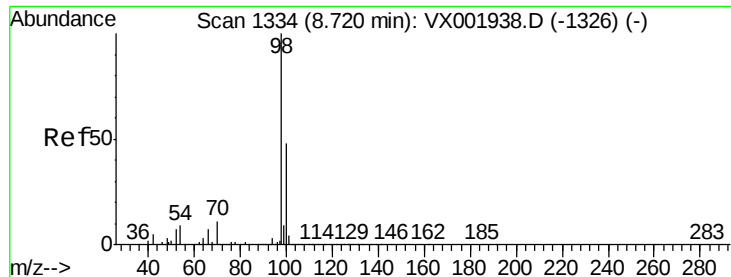
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

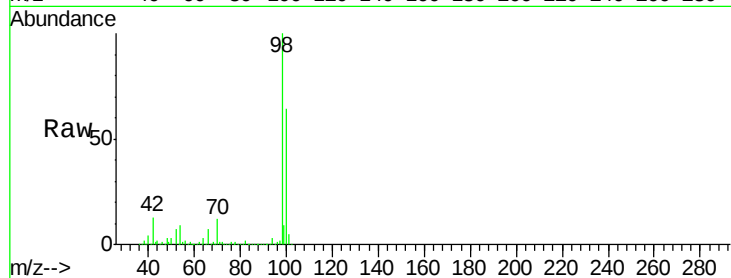
PB109661ZHE#09

Tgt Ion: 98 Resp: 719312

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

500000

400000

300000

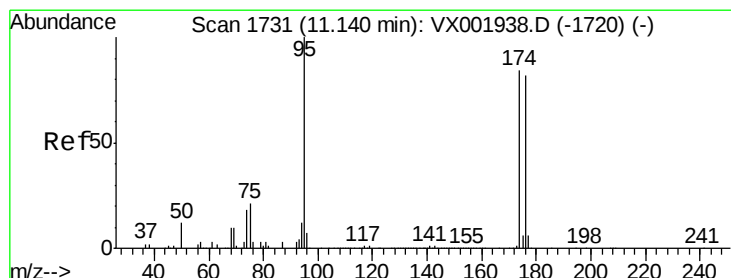
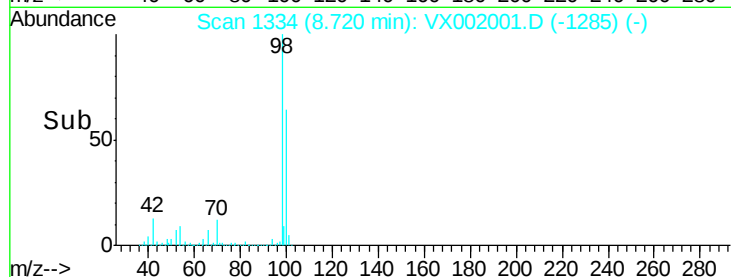
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 43.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

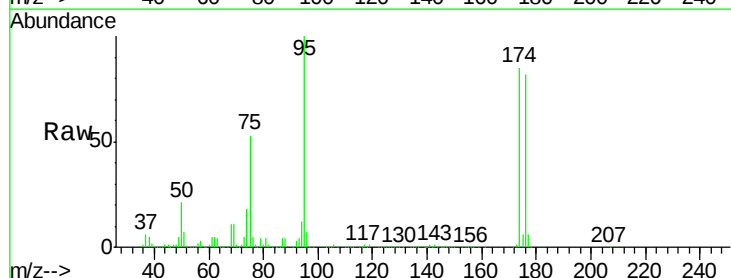
Tgt Ion: 95 Resp: 260530

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.8

176 88.7 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

150000

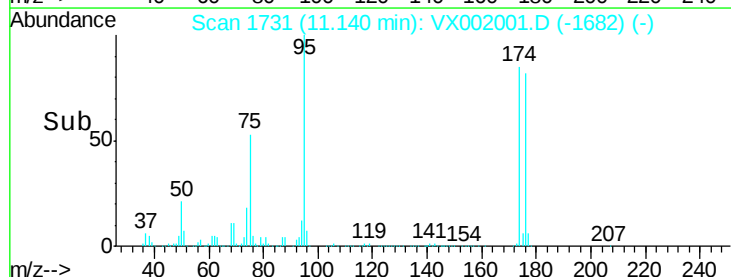
100000

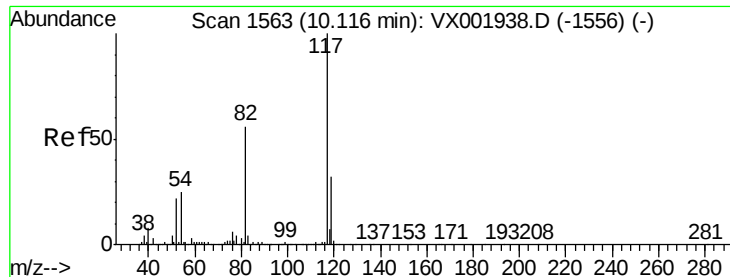
50000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

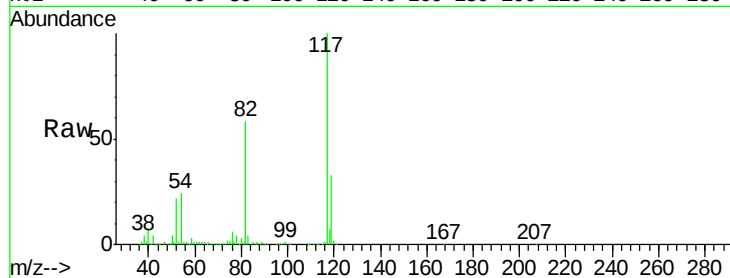
Tgt Ion:117 Resp: 383750

Ion Ratio Lower Upper

117 100

82 57.5 44.8 67.2

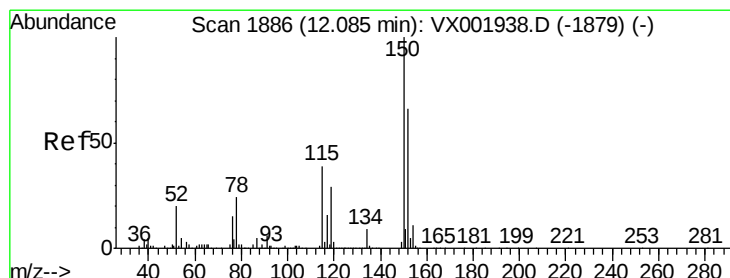
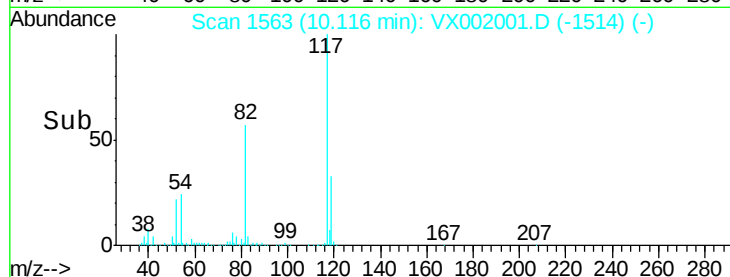
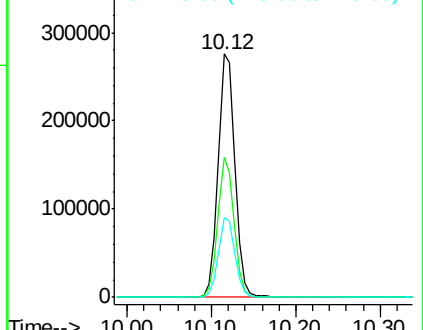
119 32.8 25.5 38.3



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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

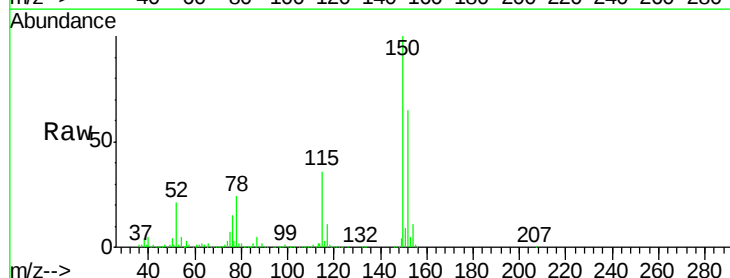
Tgt Ion:152 Resp: 196798

Ion Ratio Lower Upper

152 100

115 55.7 42.3 126.8

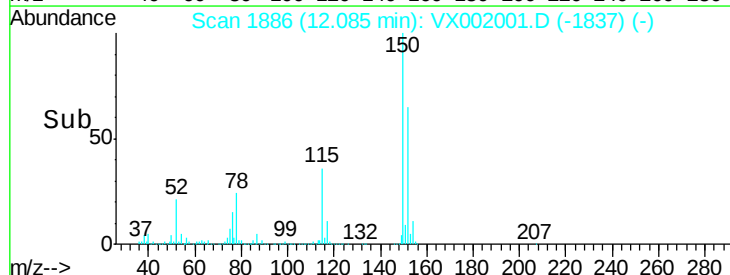
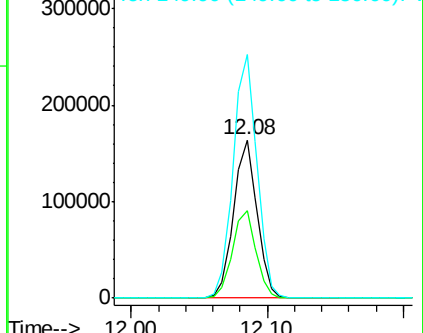
150 156.3 0.0 351.0

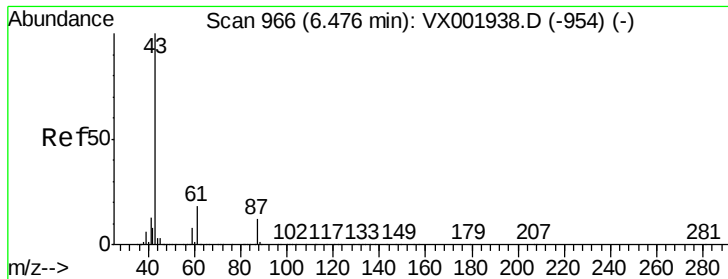


Abundance Ion 151.90 (151.60 to 152.60): V

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: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

Tgt Ion: 43 Resp: 309

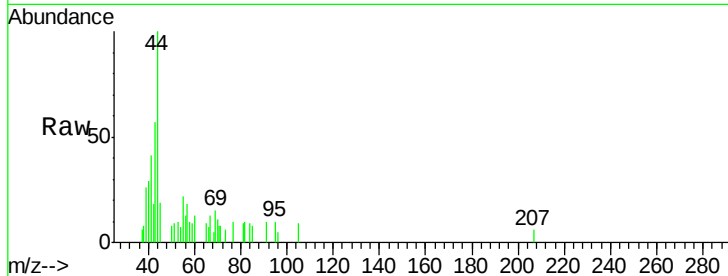
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 20.7 0.1 0.1#

61 0.0 14.5 21.7#



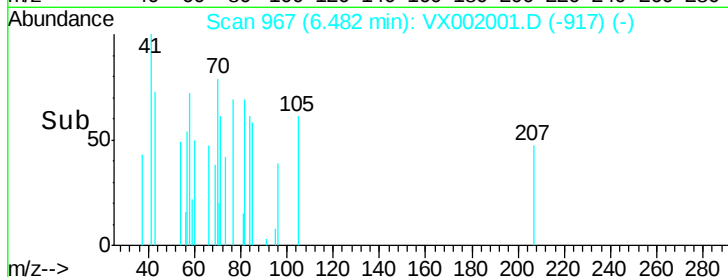
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

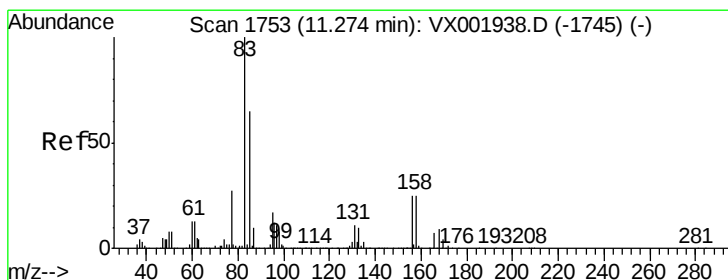
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

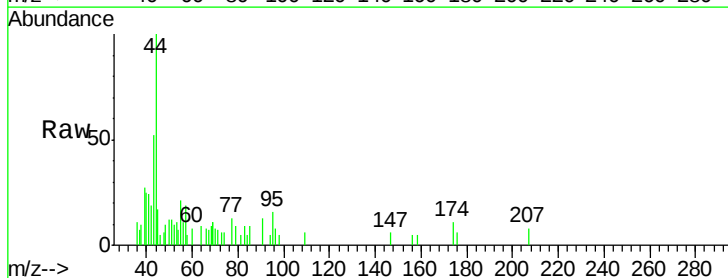
Tgt Ion: 83 Resp: 104

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 148.1 32.6 97.7#

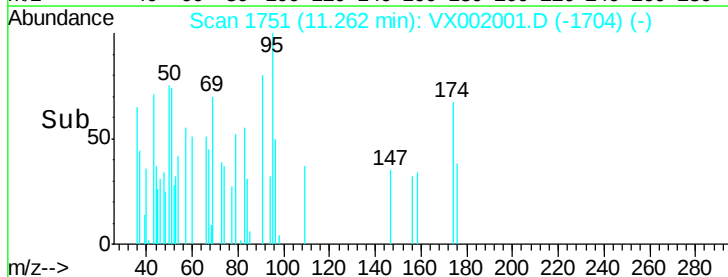


Abundance Ion 82.90 (82.60 to 83.60): VX0

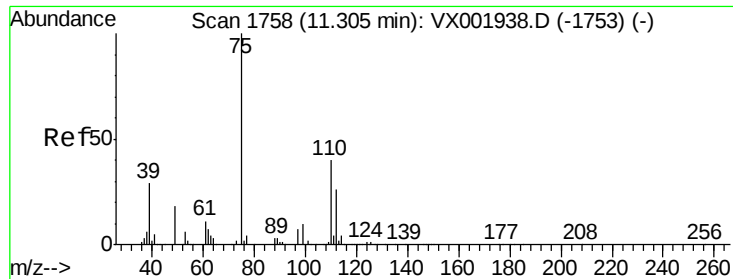
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

Time-->



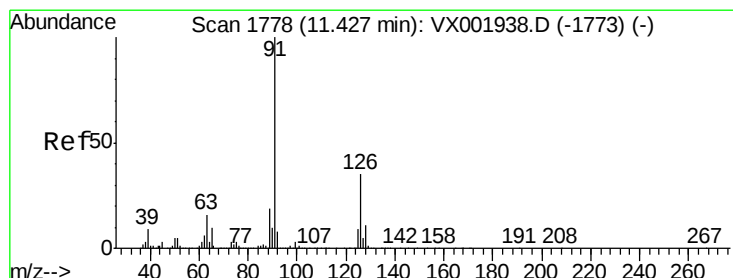
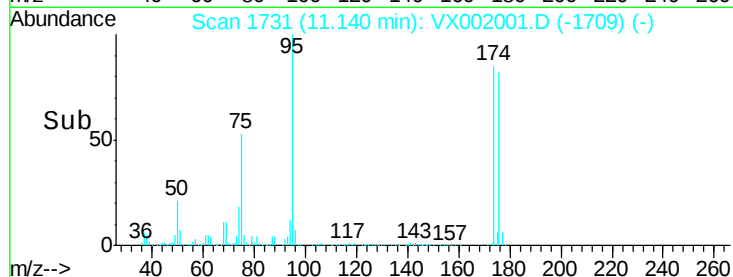
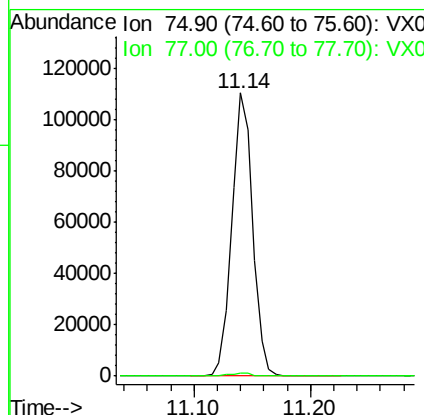
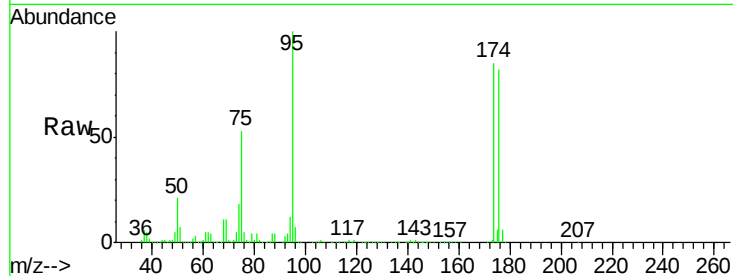
Time-->



#76
 1,2,3-Trichloropropane
 Concen: 29.18 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002001.D
 Acq: 26 May 2018 02:49

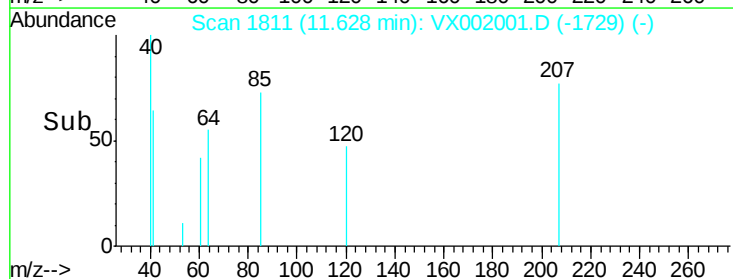
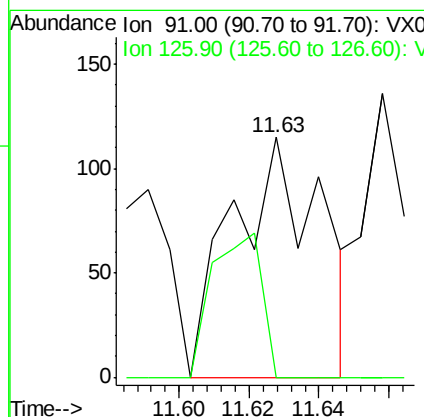
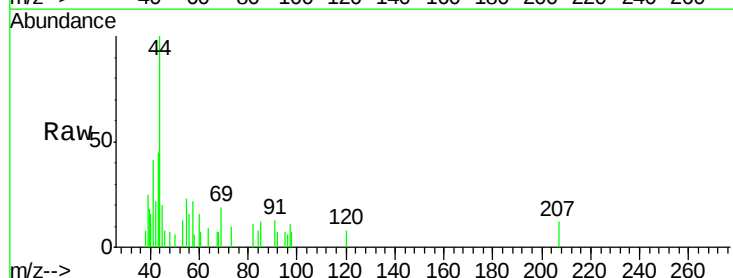
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#09

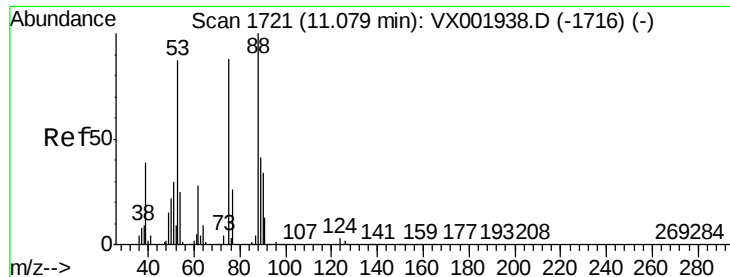
Tgt Ion: 75 Resp: 137917
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.63 min Scan# 1811
 Delta R.T. 0.20 min
 Lab File: VX002001.D
 Acq: 26 May 2018 02:49

Tgt Ion: 91 Resp: 200
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 70.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002001.D

Acq: 26 May 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#09

Tgt Ion: 75 Resp: 137917

Ion Ratio Lower Upper

75 100

53 0.3 78.0 117.0#

89 0.0 39.4 59.2#

