

Data File : VX001968.D

Acq On : 25 May 2018 11:06

Operator : JC/MD

Sample : VX0525WBL01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBL01

Quant Time: May 26 00:33:08 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	387874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	561485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	510865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	284002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	355576	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	5.51	113	277993	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	8.72	98	1033616	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.14	95	383002	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.22	85	207	Below Cal	#	41
5) Bromomethane	1.67	94	1049	Below Cal		86
10) Methyl Iodide	2.53	142	1417	0.22	ug/l #	39
13) Acrolein	2.32	56	308	0.52	ug/l #	78
15) Acrylonitrile	3.17	53	1281	0.46	ug/l #	74
16) Acetone	2.45	43	1484	0.55	ug/l #	83
17) Carbon Disulfide	2.58	76	3090	0.24	ug/l	97
18) Methyl Acetate	2.82	43	800	Below Cal	#	75
20) Methylene Chloride	2.86	84	1098	Below Cal	#	92
21) trans-1,2-Dichloroethene	3.18	96	751	Below Cal	#	35
28) Bromochloromethane	5.01	49	108	Below Cal	#	66
36) 1,1-Dichloropropene	5.67	75	27098	3.47	ug/l #	42
38) Carbon Tetrachloride	5.67	117	35772	3.93	ug/l #	14
41) Methacrylonitrile	4.99	41	303	Below Cal		91
74) N-amyl acetate	6.49	43	191	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.27	83	87	Below Cal	#	18
76) 1,2,3-Trichloropropane	11.14	75	198000	29.03	ug/l #	32
79) 2-Chlorotoluene	11.51	91	1573	Below Cal		92
81) trans-1,4-Dichloro-2-buten	11.14	75	198000	69.76	ug/l #	10

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBL01

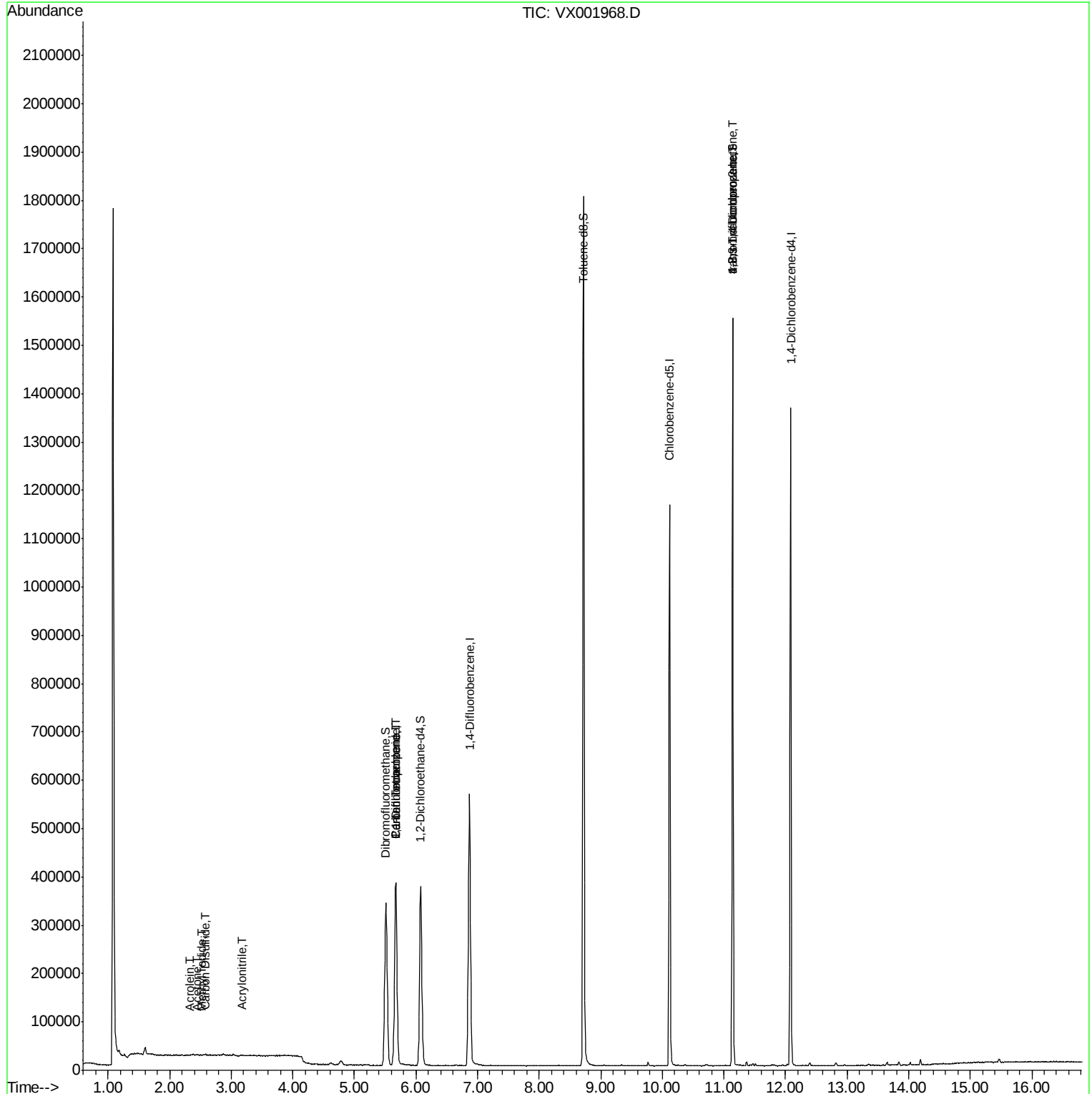
Quant Time: May 26 00:33:08 2018

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: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

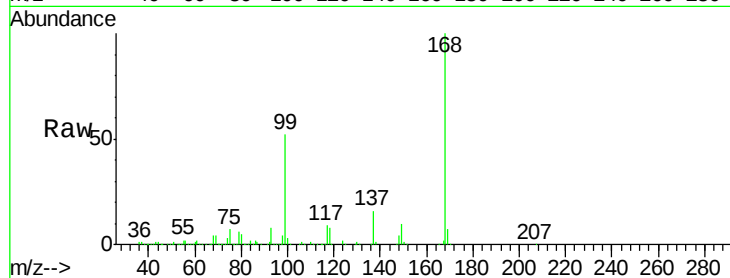
VX0525WBL01

Tgt Ion:168 Resp: 387874

Ion Ratio Lower Upper

168 100

99 52.1 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

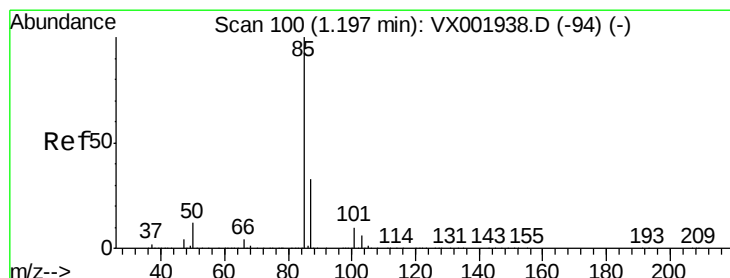
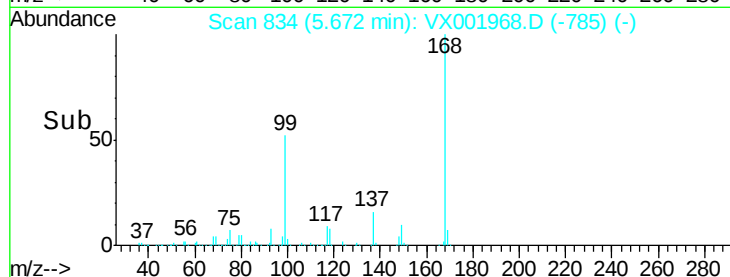
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.22 min Scan# 104

Delta R.T. 0.03 min

Lab File: VX001968.D

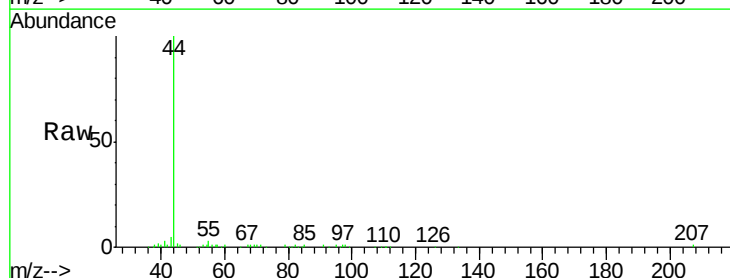
Acq: 25 May 2018 11:06

Tgt Ion: 85 Resp: 207

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

250

200

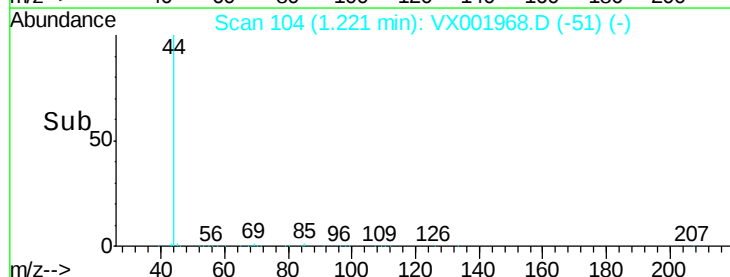
150

100

50

0

Time--> 1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

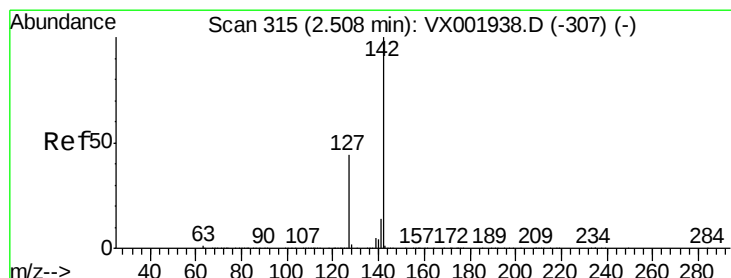
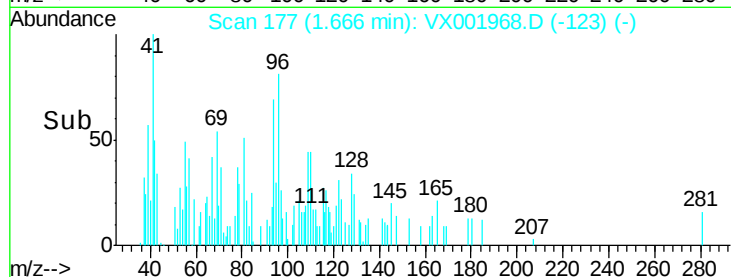
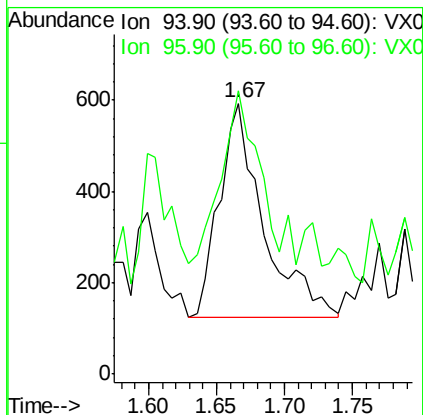
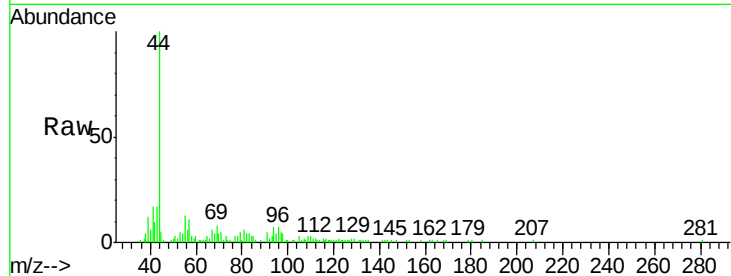
VX0525WBL01

Tgt Ion: 94 Resp: 1049

Ion Ratio Lower Upper

94 100

96 81.0 75.9 113.9



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.02 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

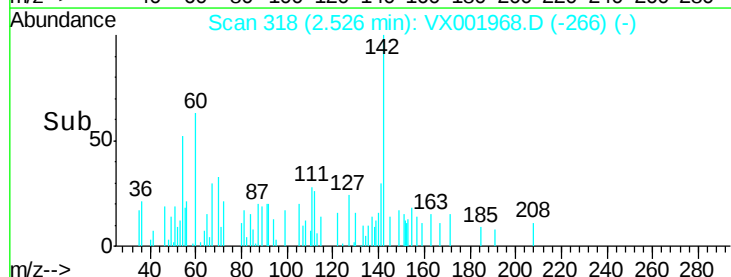
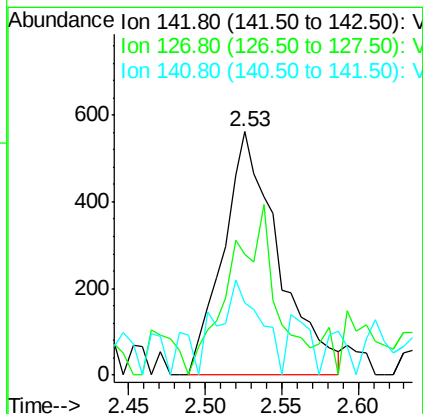
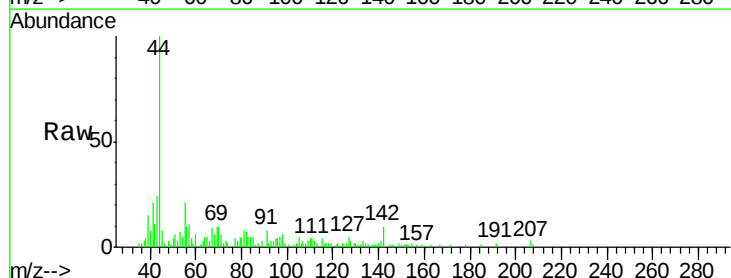
Tgt Ion: 142 Resp: 1417

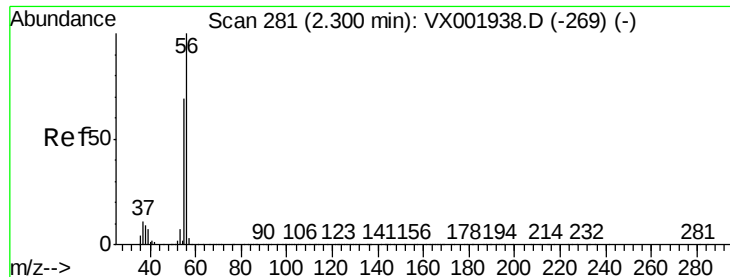
Ion Ratio Lower Upper

142 100

127 0.0 35.5 53.3#

141 29.4 11.3 16.9#





#13

Acrolein

Concen: 0.52 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

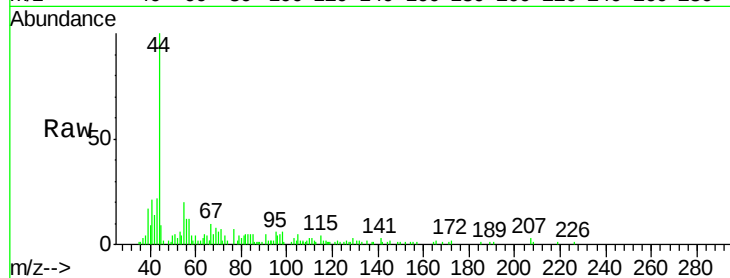
VX0525WBL01

Tgt Ion: 56 Resp: 308

Ion Ratio Lower Upper

56 100

55 52.6 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

1500

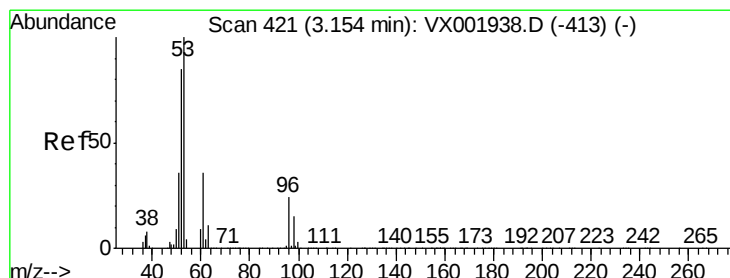
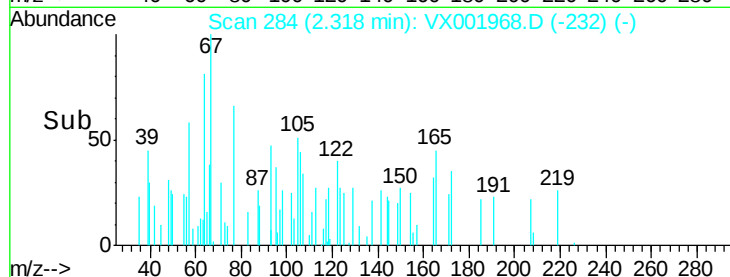
1000

500

0

2.30 2.32 2.34

Time-->



#15

Acrylonitrile

Concen: 0.46 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

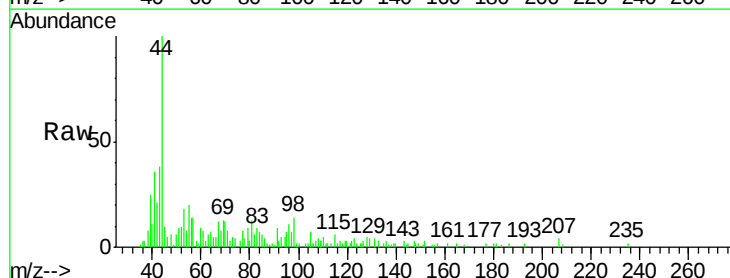
Tgt Ion: 53 Resp: 1281

Ion Ratio Lower Upper

53 100

52 53.7 66.4 99.6#

51 30.5 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

1000

800

600

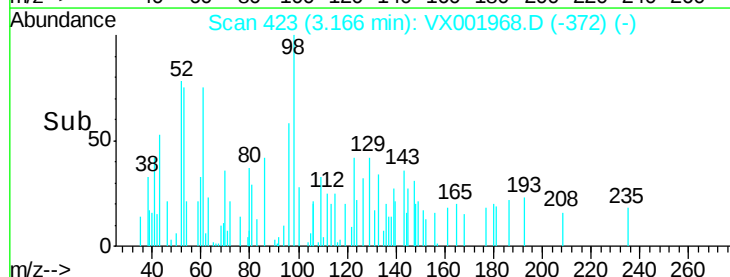
400

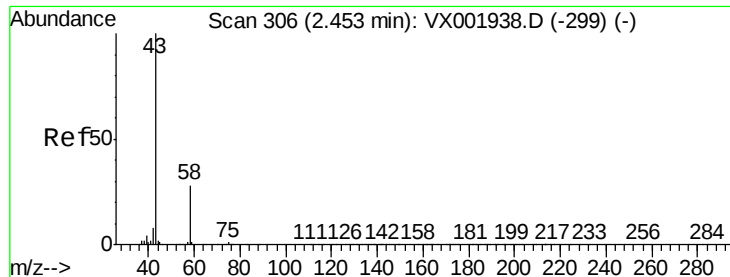
200

0

3.10 3.15 3.20

Time-->





#16

Acetone

Concen: 0.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

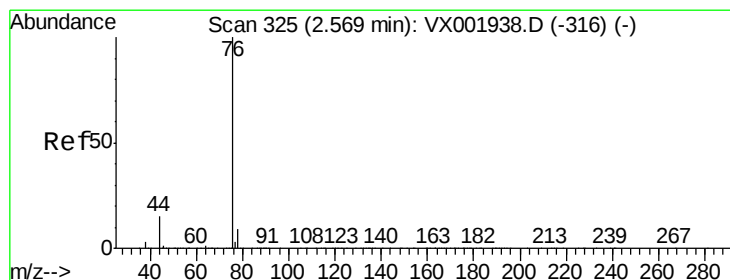
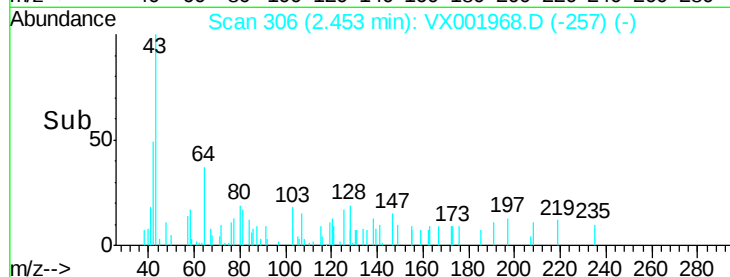
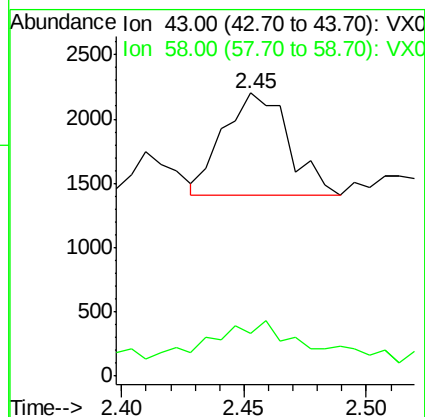
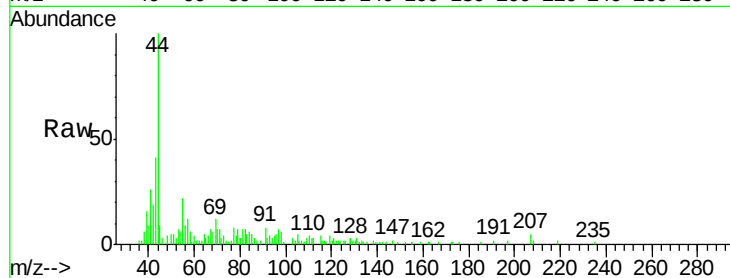
VX0525WBL01

Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 19.2 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX001968.D

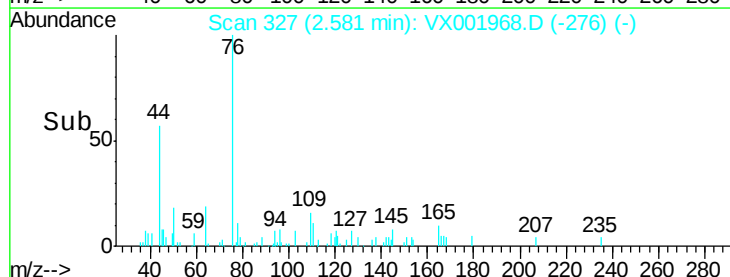
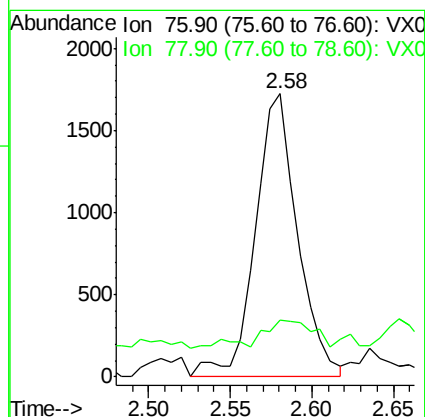
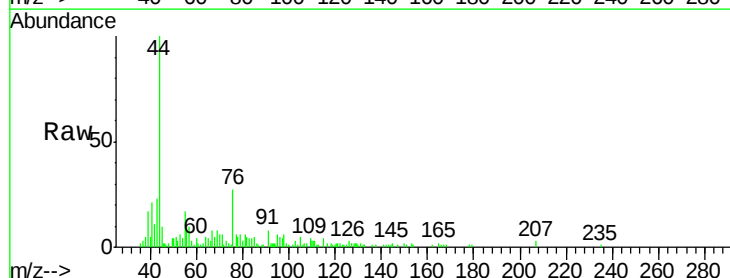
Acq: 25 May 2018 11:06

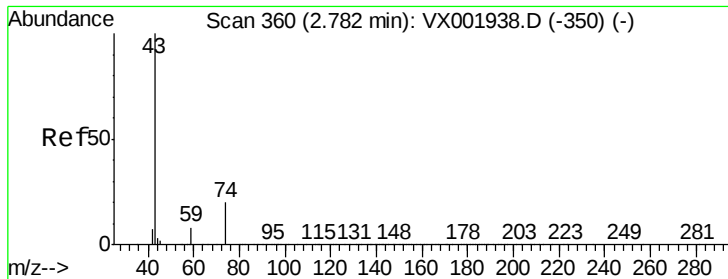
Tgt Ion: 76 Resp: 3090

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

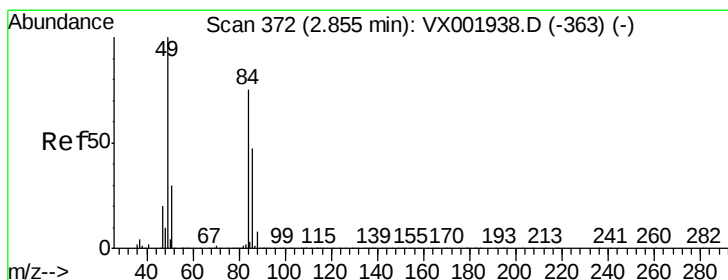
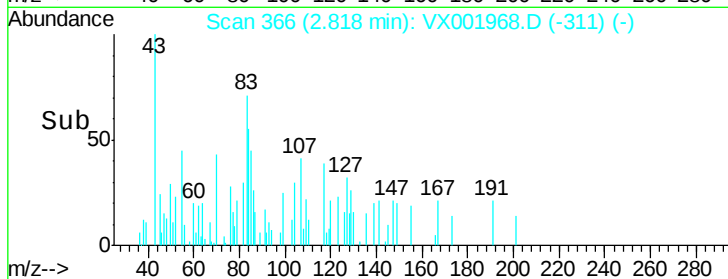
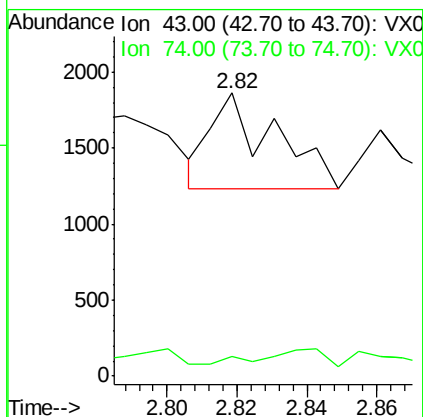
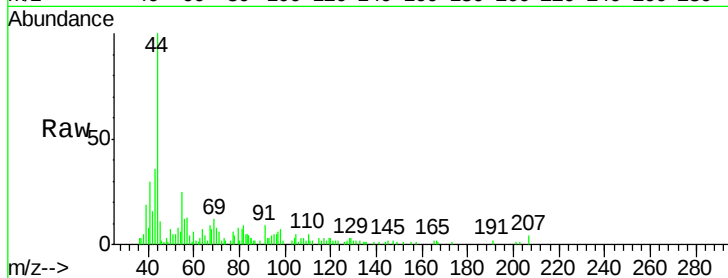




#18
Methyl Acetate
Concen: Below Cal
RT: 2.82 min Scan# 366
Delta R.T. 0.04 min
Lab File: VX001968.D
Acq: 25 May 2018 11:06

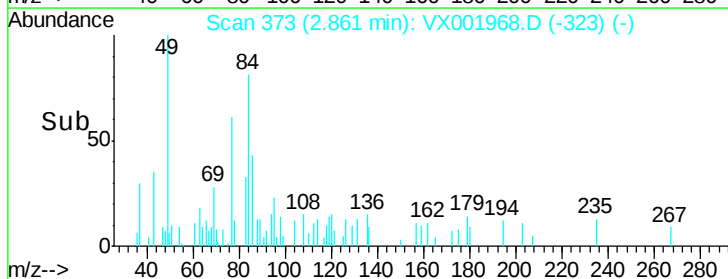
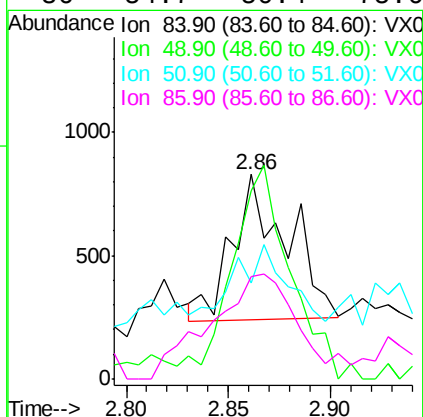
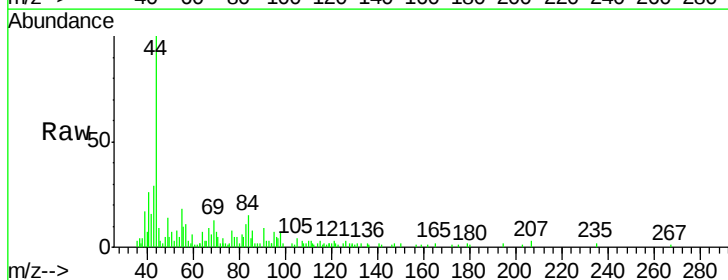
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBL01

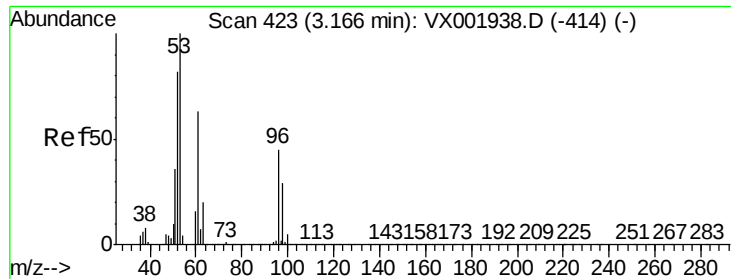
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
74 9.4 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001968.D
Acq: 25 May 2018 11:06

Tgt Ion: 84 Resp: 1098
Ion Ratio Lower Upper
84 100
49 132.6 107.2 160.8
51 22.4 32.4 48.6#
86 54.7 50.4 75.6

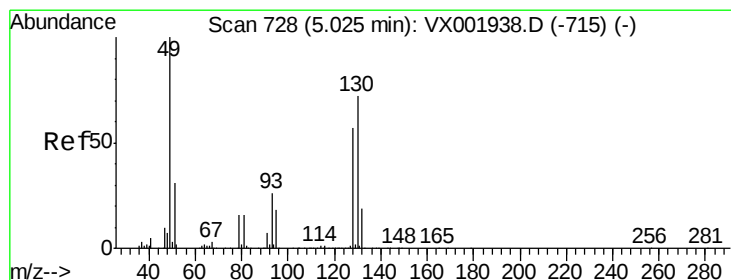
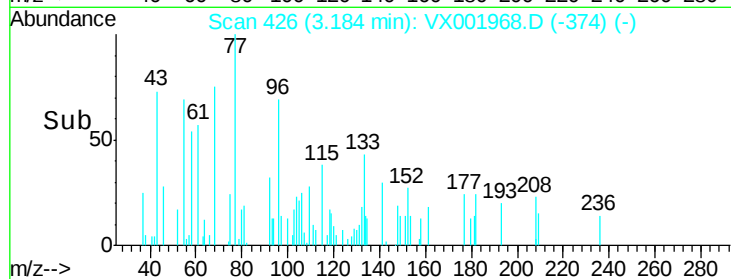
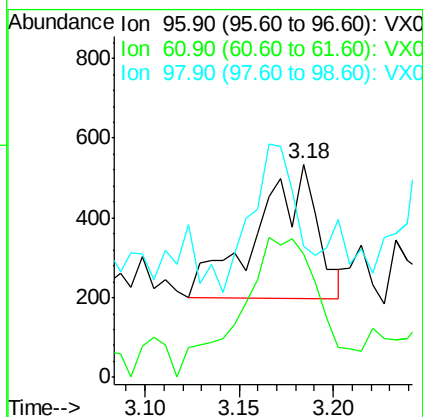
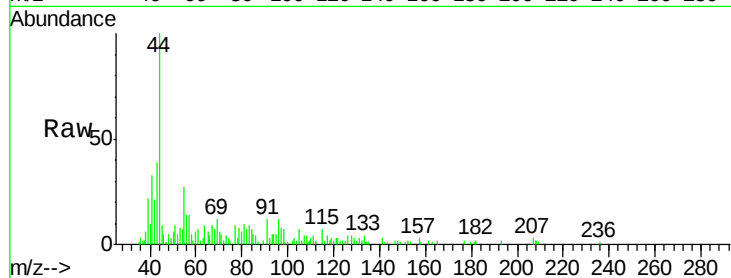




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.18 min Scan# 426
Delta R.T. 0.02 min
Lab File: VX001968.D
Acq: 25 May 2018 11:06

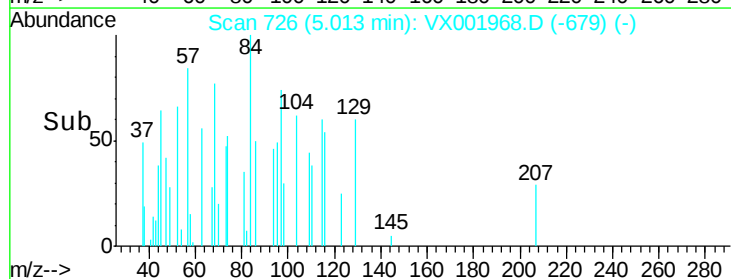
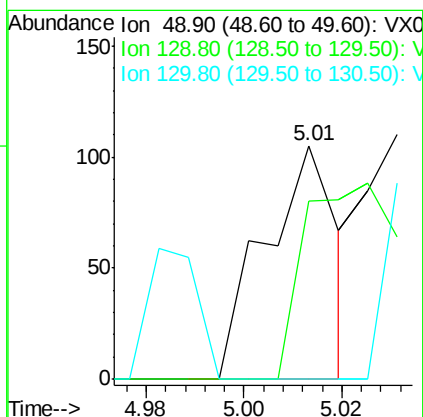
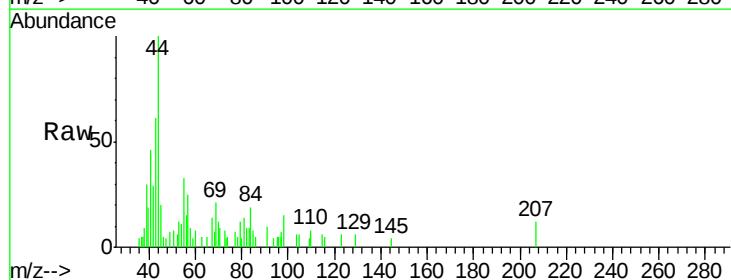
Instrument :
MSVOA_X
ClientSampled :
VX0525WBL01

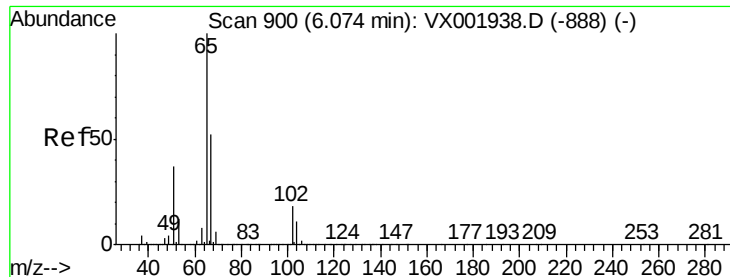
Tgt Ion: 96 Resp: 751
Ion Ratio Lower Upper
96 100
61 70.7 113.3 169.9#
98 0.0 51.7 77.5#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX001968.D
Acq: 25 May 2018 11:06

Tgt Ion: 49 Resp: 108
Ion Ratio Lower Upper
49 100
129 106.5 0.0 3.8#
130 50.9 59.4 89.2#





#33

1,2-Dichloroethane-d4

Concen: 51.29 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

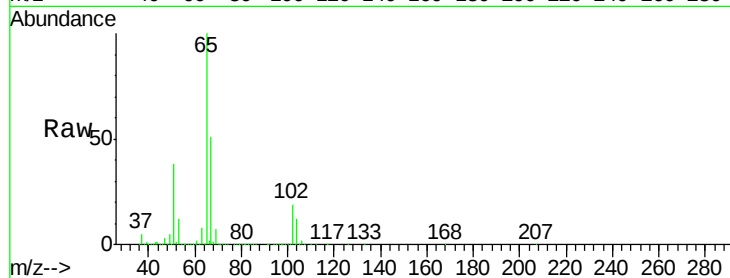
VX0525WBL01

Tgt Ion: 65 Resp: 355576

Ion Ratio Lower Upper

65 100

67 51.4 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

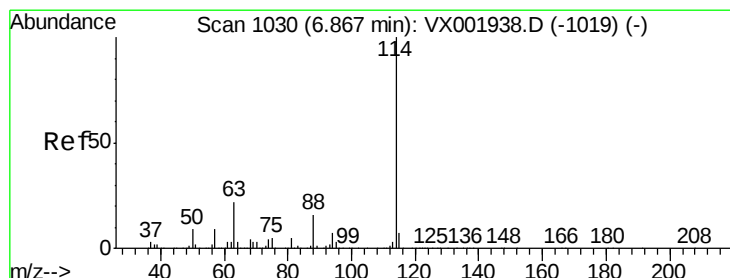
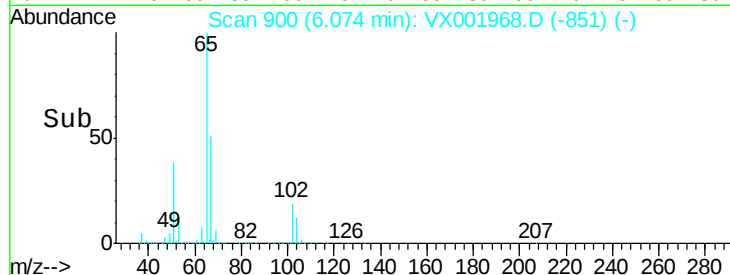
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

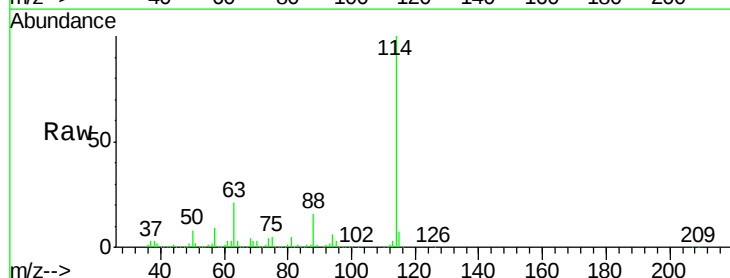
Tgt Ion: 114 Resp: 561485

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 15.7 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

6.87

300000

250000

200000

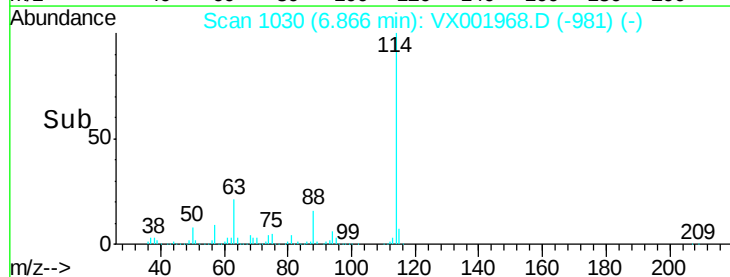
150000

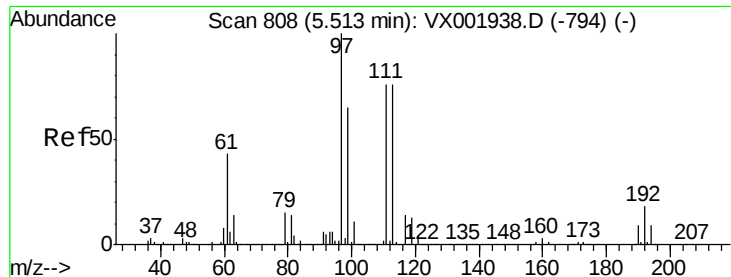
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10

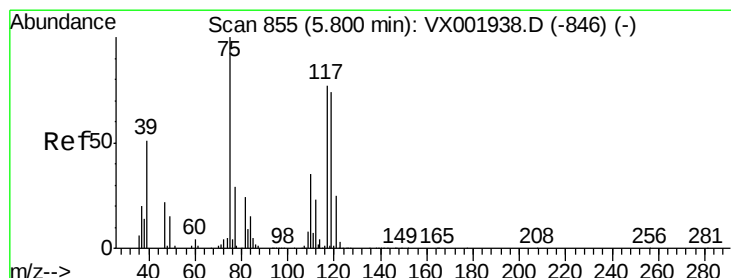
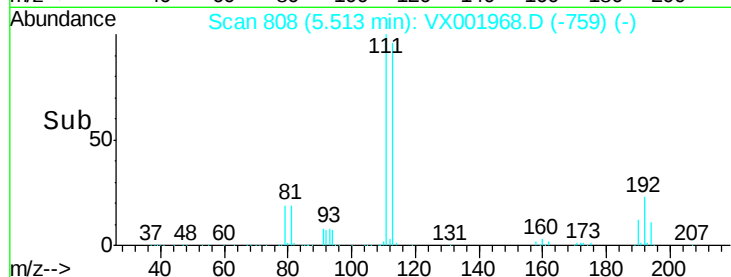
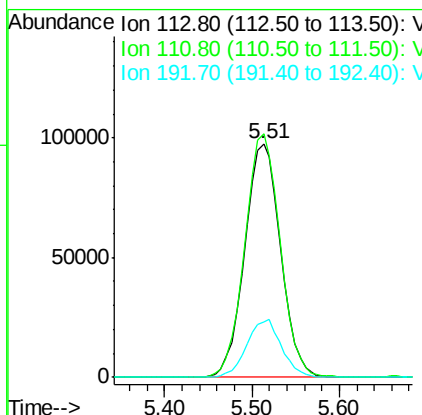
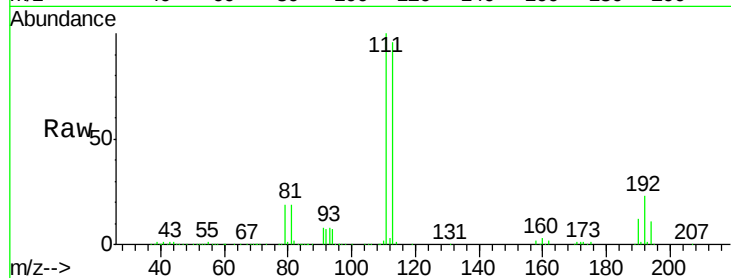




#35
 Dibromofluoromethane
 Concen: 49.51 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001968.D
 Acq: 25 May 2018 11:06

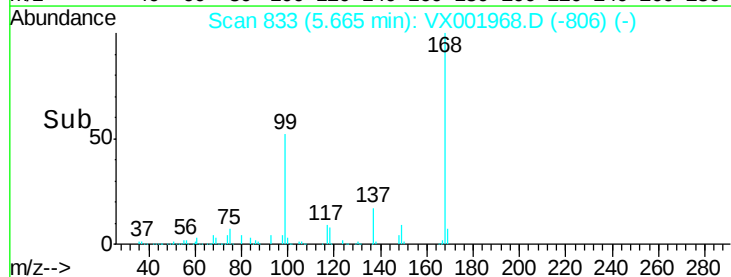
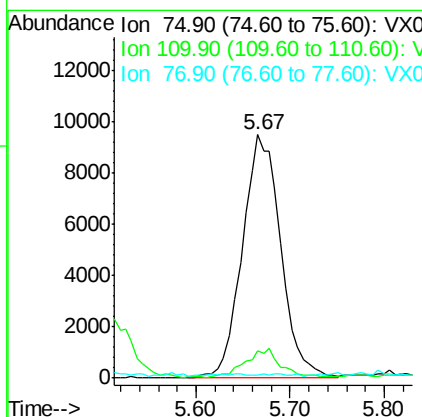
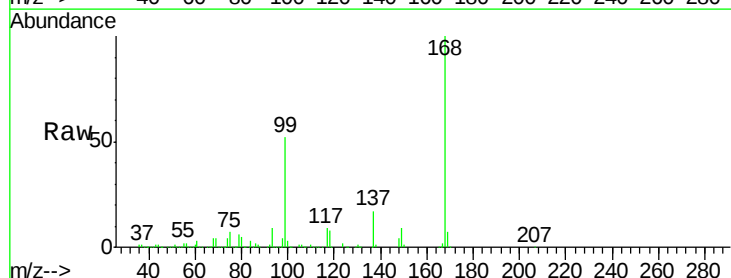
Instrument :
 MSVOA_X
 ClientSampled :
 VX0525WBL01

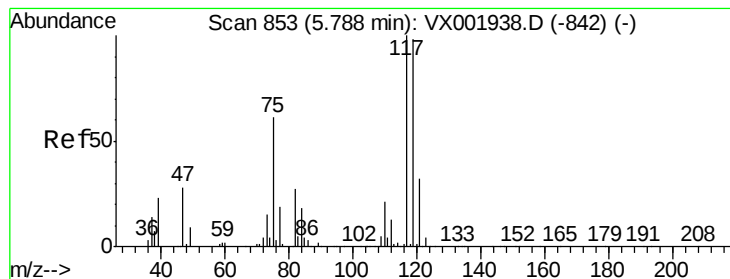
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	277993		
111	103.1	82.0	123.0	
192	24.0	18.9	28.3	



#36
 1,1-Dichloropropene
 Concen: 3.47 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX001968.D
 Acq: 25 May 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27098		
110	0.0	17.4	52.2#	
77	0.4	24.4	36.6#	





#38

Carbon Tetrachloride

Concen: 3.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBL01

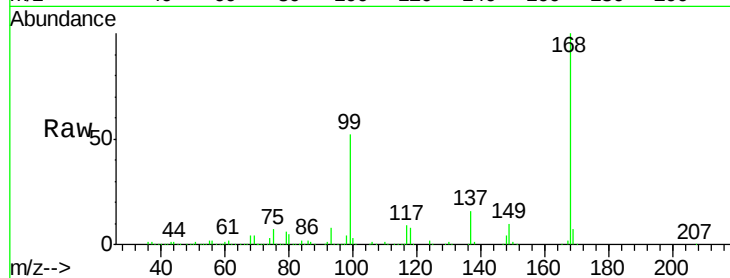
Tgt Ion: 117 Resp: 35772

Ion Ratio Lower Upper

117 100

119 4.3 78.5 117.7#

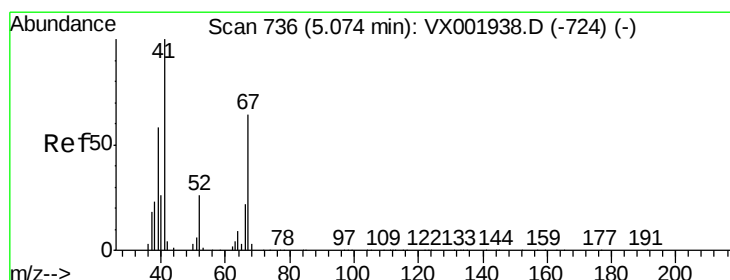
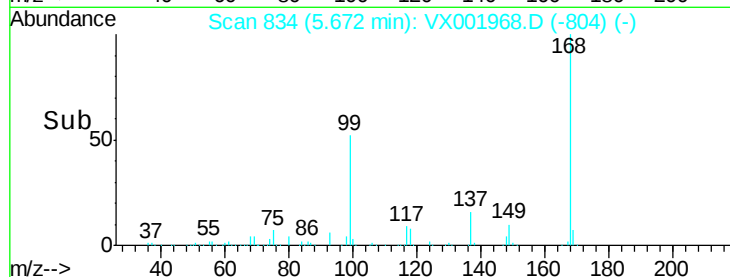
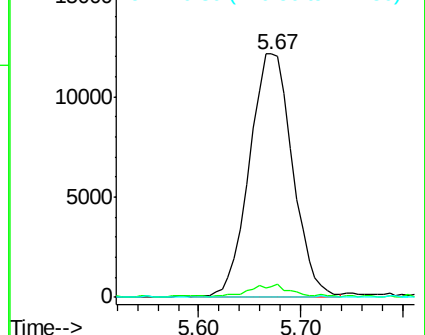
121 0.0 25.5 38.3#



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: 4.99 min Scan# 722

Delta R.T. -0.09 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Tgt Ion: 41 Resp: 303

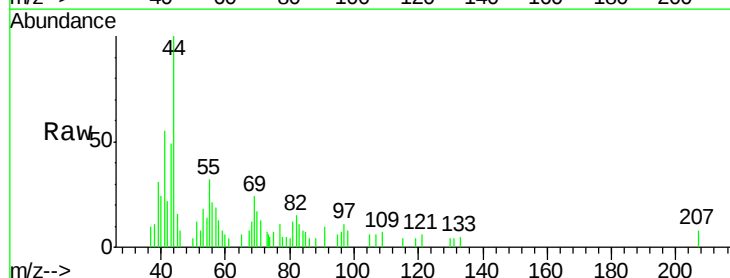
Ion Ratio Lower Upper

41 100

39 62.7 46.0 69.0

67 55.1 50.6 75.8

52 31.7 21.9 32.9

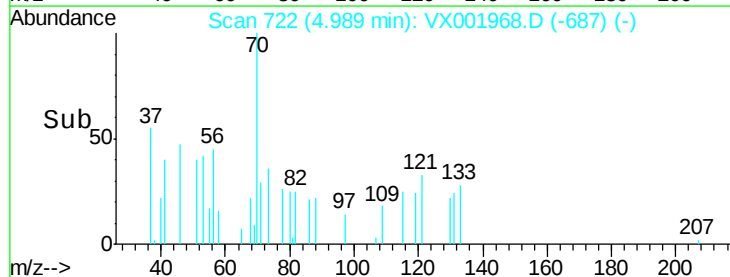
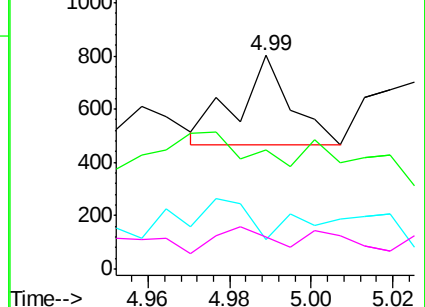


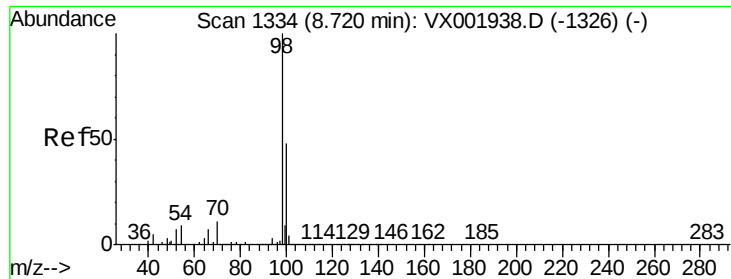
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 50.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

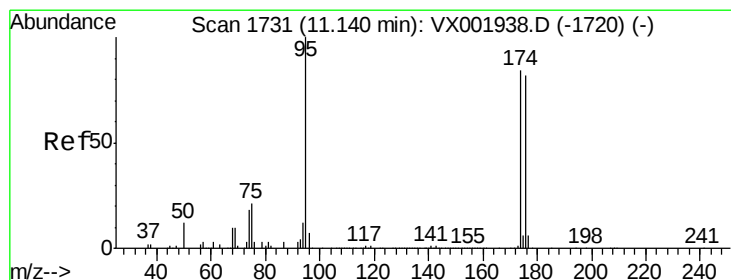
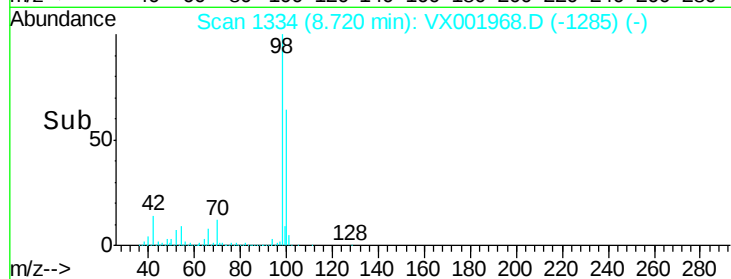
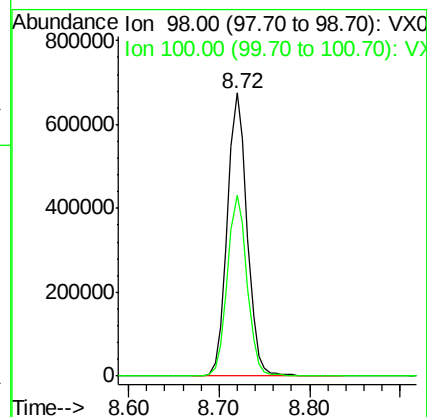
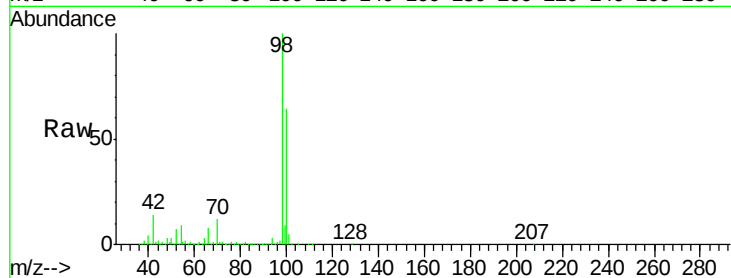
VX0525WBL01

Tgt Ion: 98 Resp: 1033616

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 48.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

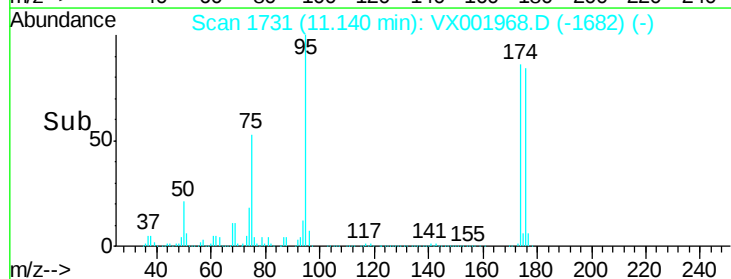
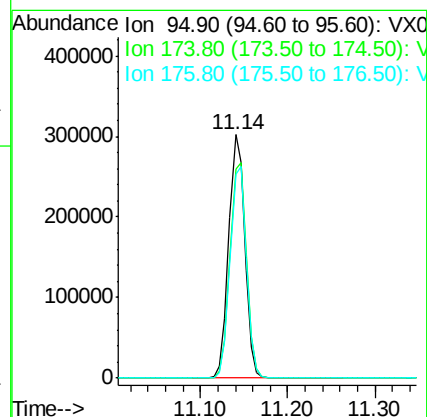
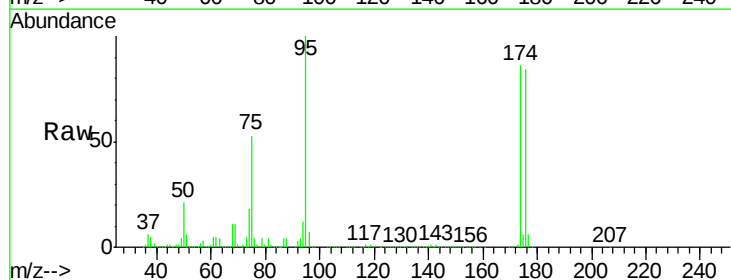
Tgt Ion: 95 Resp: 383002

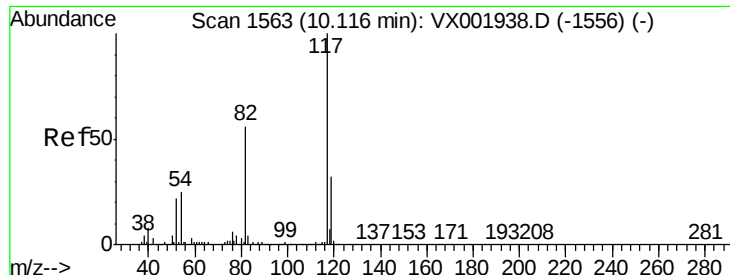
Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.8

176 88.5 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: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBL01

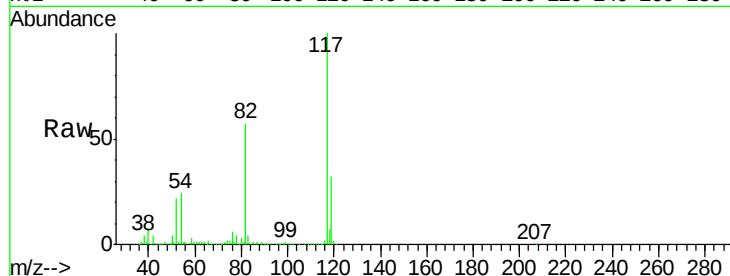
Tgt Ion:117 Resp: 510865

Ion Ratio Lower Upper

117 100

82 56.8 44.8 67.2

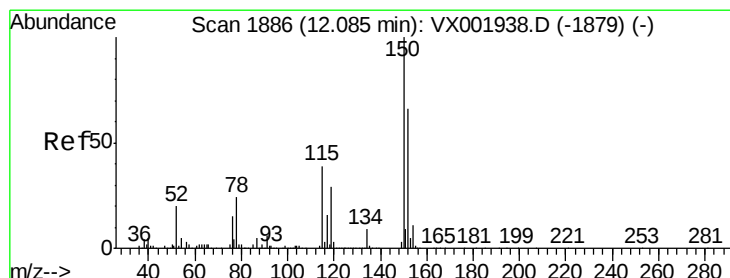
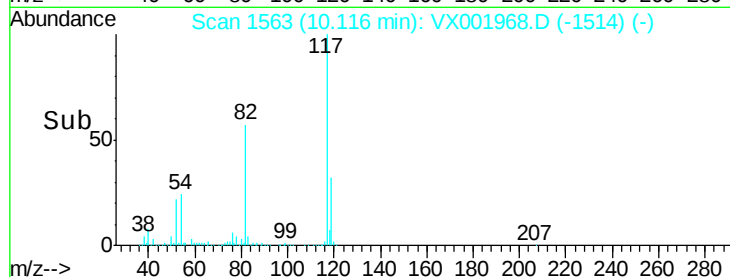
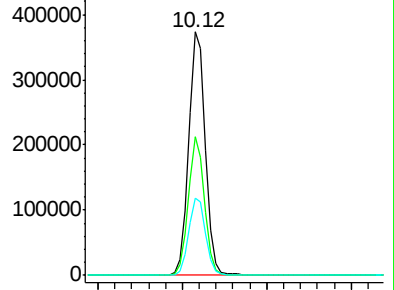
119 31.9 25.5 38.3



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: VX001968.D

Acq: 25 May 2018 11:06

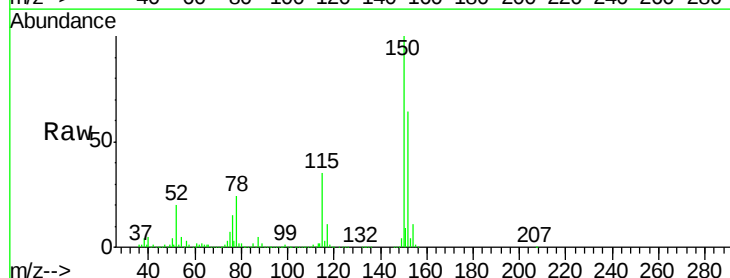
Tgt Ion:152 Resp: 284002

Ion Ratio Lower Upper

152 100

115 56.0 42.3 126.8

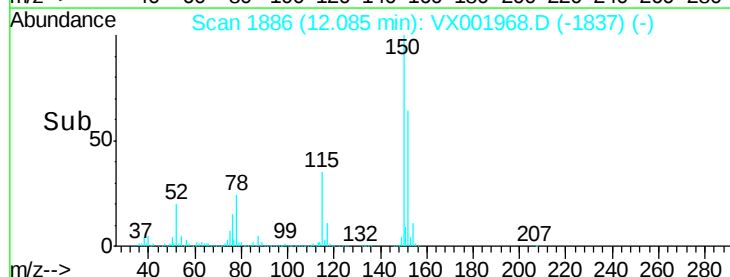
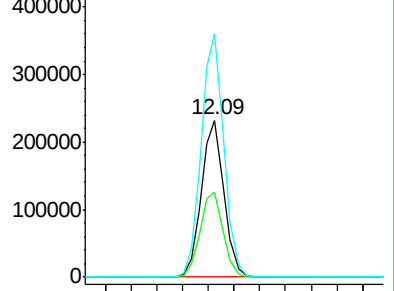
150 156.0 0.0 351.0

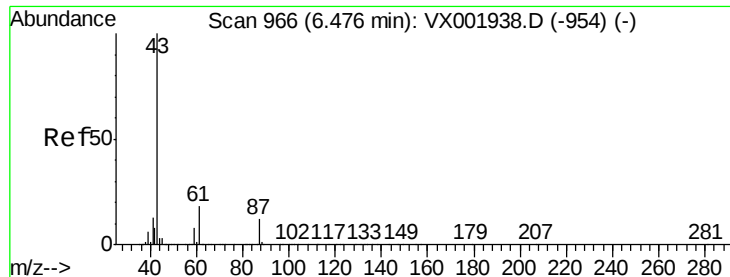


Abundance Ion 151.90 (151.60 to 152.60): V

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: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampled :

VX0525WBL01

Tgt Ion: 43 Resp: 191

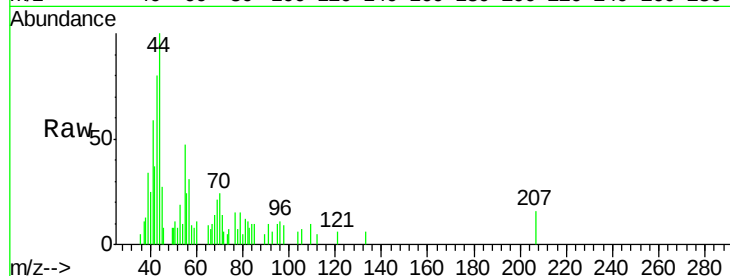
Ion Ratio Lower Upper

43 100

70 47.6 0.1 0.1#

55 0.0 0.1 0.1#

61 0.0 14.5 21.7#

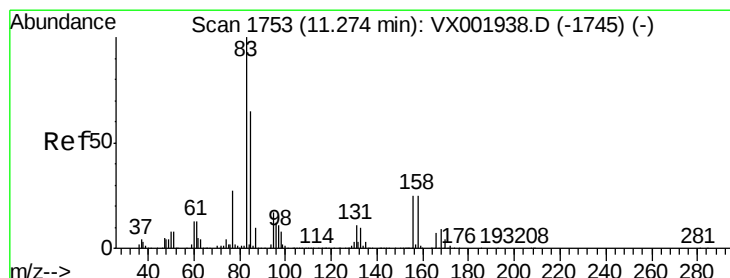
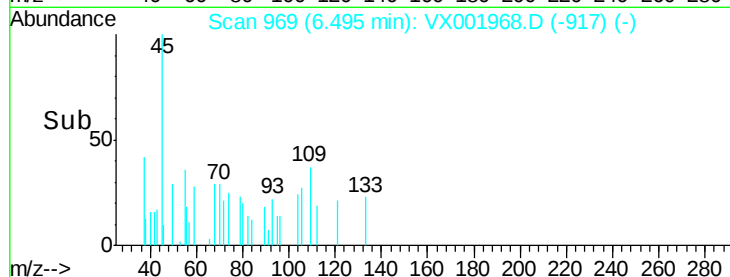
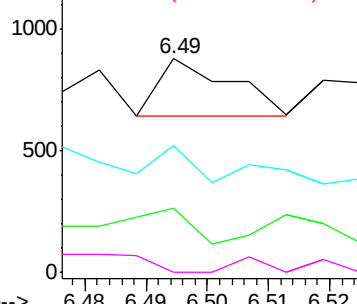


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

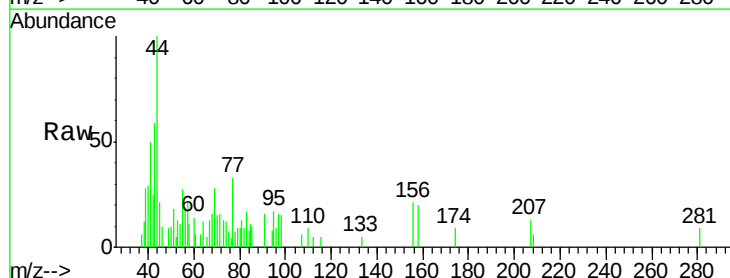
Tgt Ion: 83 Resp: 87

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

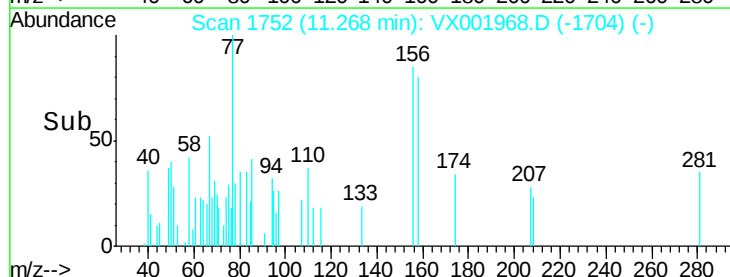
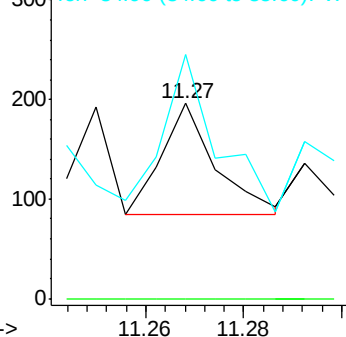
85 136.8 32.6 97.7#

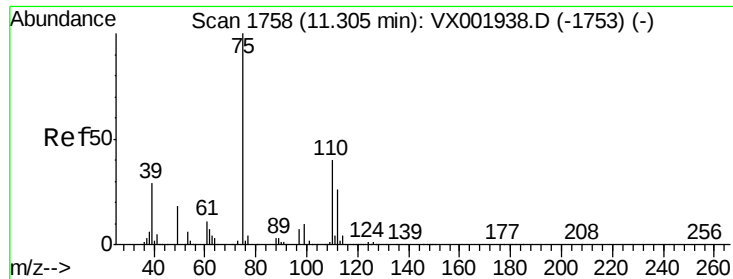


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

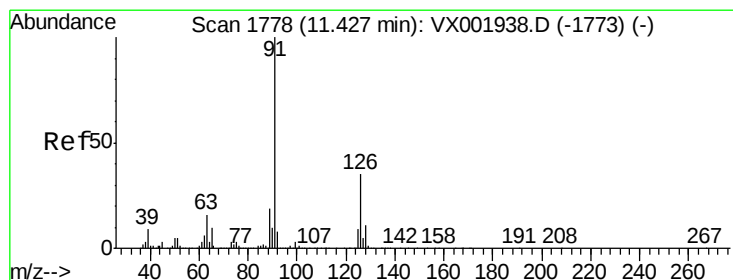
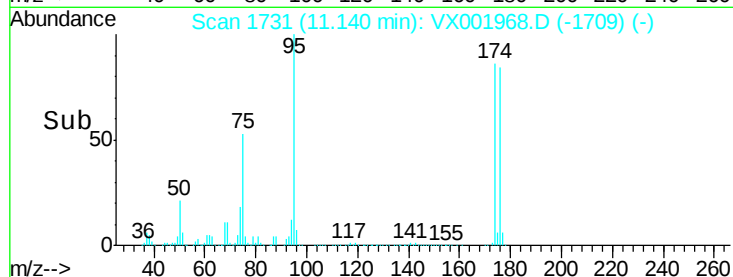
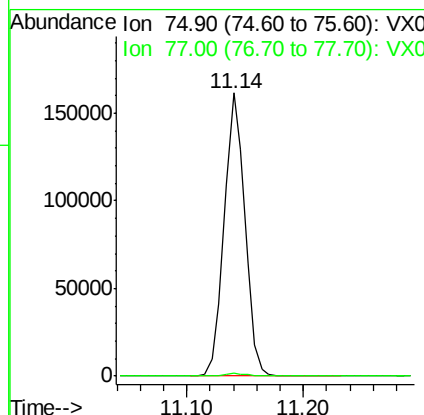
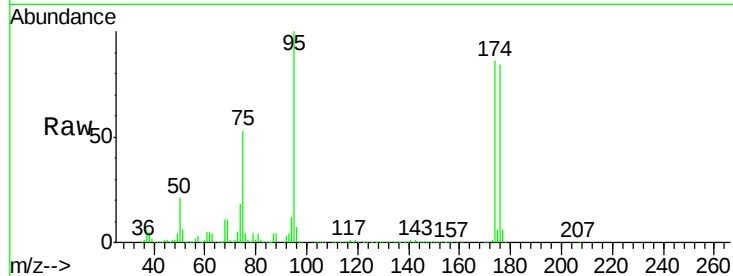




#76
 1,2,3-Trichloropropane
 Concen: 29.03 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001968.D
 Acq: 25 May 2018 11:06

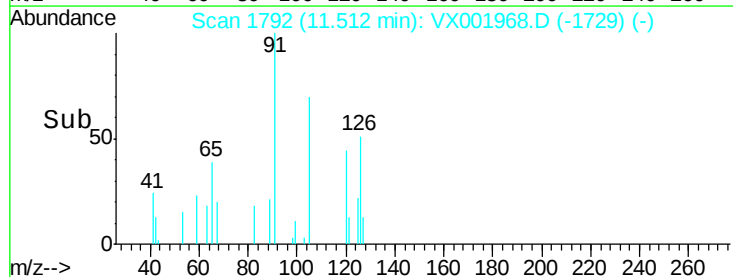
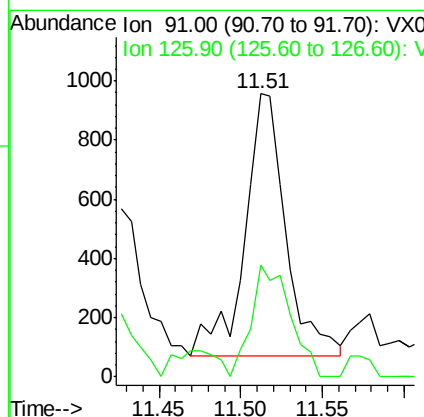
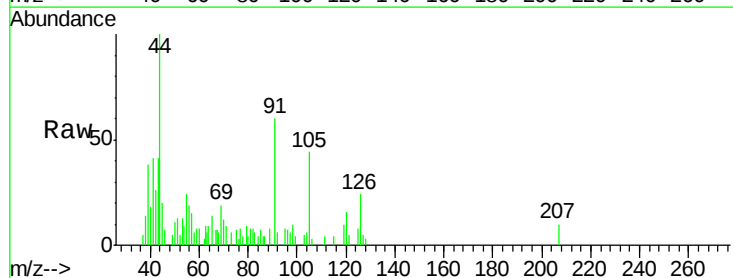
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBL01

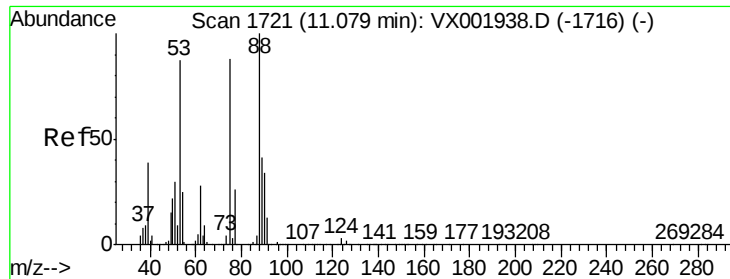
Tgt Ion: 75 Resp: 198000
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.09 min
 Lab File: VX001968.D
 Acq: 25 May 2018 11:06

Tgt Ion: 91 Resp: 1573
 Ion Ratio Lower Upper
 91 100
 126 39.7 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001968.D

Acq: 25 May 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBL01

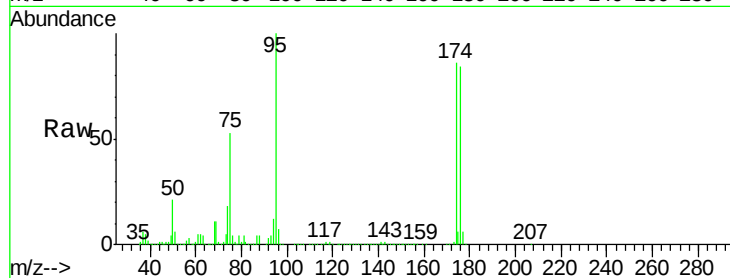
Tgt Ion: 75 Resp: 198000

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

