

Data File : VX001727.D

Acq On : 14 May 2018 23:36

Operator : JC/MD

Sample : J2833-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Quant Time: May 15 05:41:26 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	374076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	199342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	172289	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	5.51	113	140516	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
50) Toluene-d8	8.72	98	520141	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
62) 4-Bromofluorobenzene	11.14	95	174050	42.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.50%	

Target Compounds

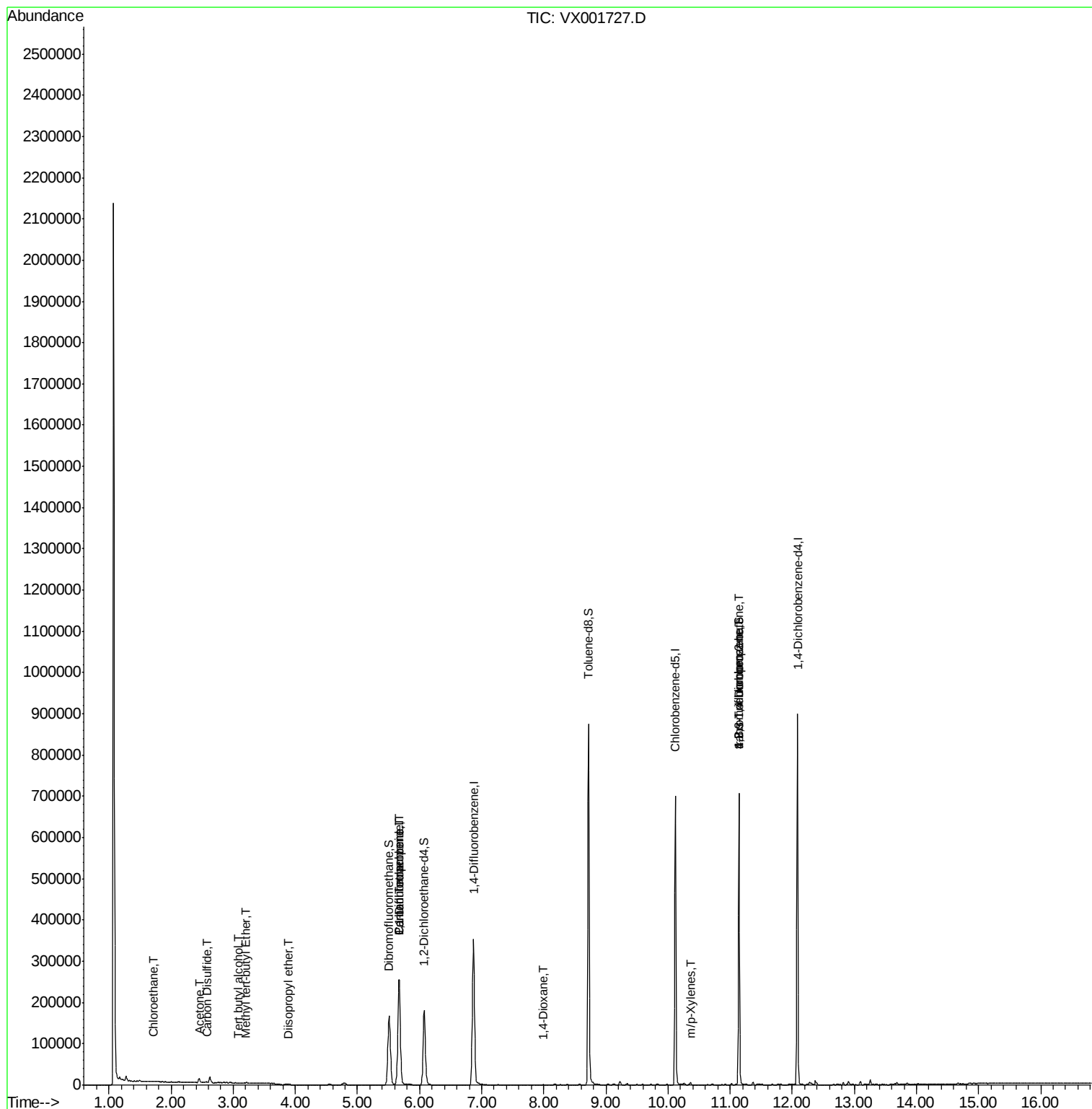
						Qvalue
5) Bromomethane	1.65	94	535	Below Cal	#	79
6) Chloroethane	1.73	64	635	0.31	ug/l #	63
11) Tert butyl alcohol	3.08	59	671	1.01	ug/l #	67
16) Acetone	2.45	43	11251	7.69	ug/l	99
17) Carbon Disulfide	2.57	76	2392	0.33	ug/l #	85
19) Methyl tert-butyl Ether	3.21	73	2040	0.22	ug/l	94
22) Diisopropyl ether	3.89	45	2629	0.27	ug/l #	81
36) 1,1-Dichloropropene	5.67	75	16843	3.91	ug/l #	50
38) Carbon Tetrachloride	5.68	117	23091	5.12	ug/l #	15
49) 1,4-Dioxane	7.99	88	20	0.28	ug/l #	1
68) m/p-Xylenes	10.37	106	1349	0.24	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	84311	22.24	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	84311	65.21	ug/l #	10

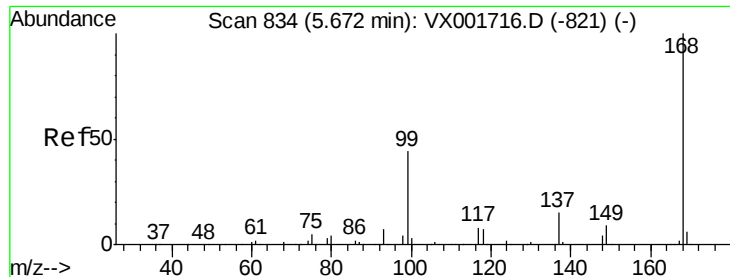
(#)= qualifier out of range (m)= manual integration (+)= signals summed

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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: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

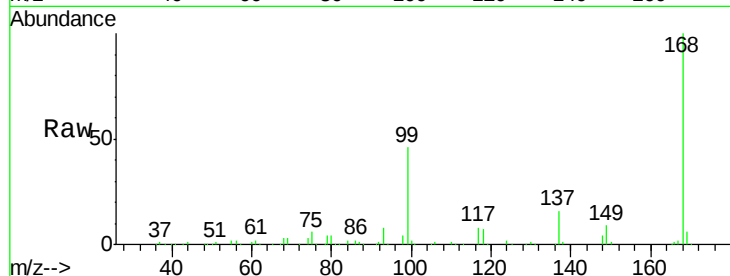
MW-5

Tgt Ion: 168 Resp: 278010

Ion Ratio Lower Upper

168 100

99 46.1 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

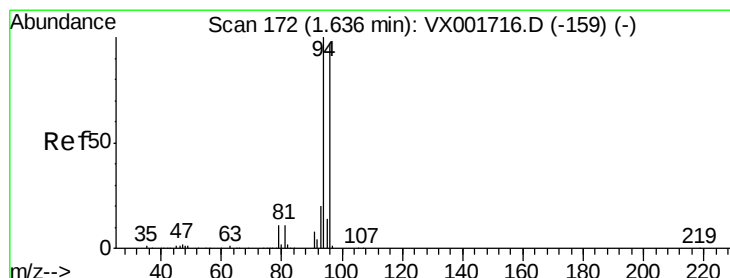
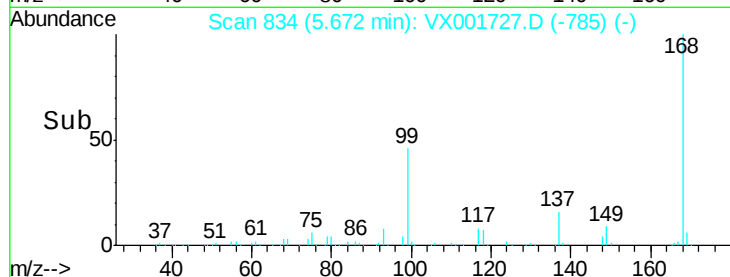
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001727.D

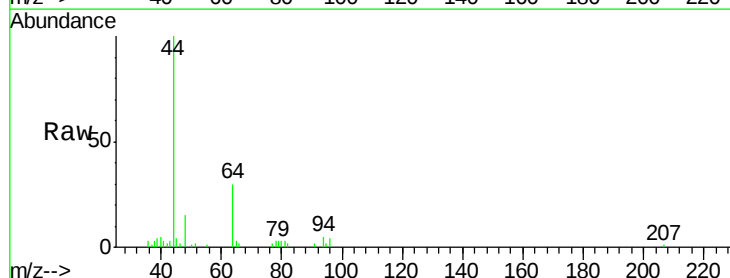
Acq: 14 May 2018 23:36

Tgt Ion: 94 Resp: 535

Ion Ratio Lower Upper

94 100

96 75.7 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

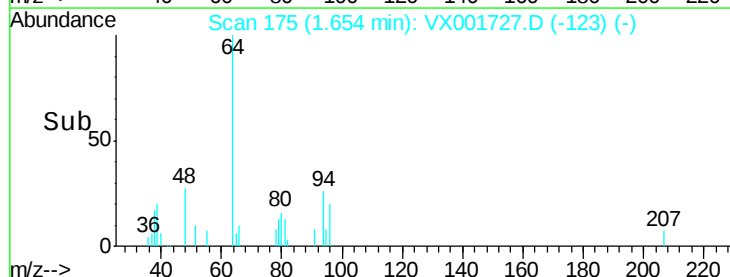
100

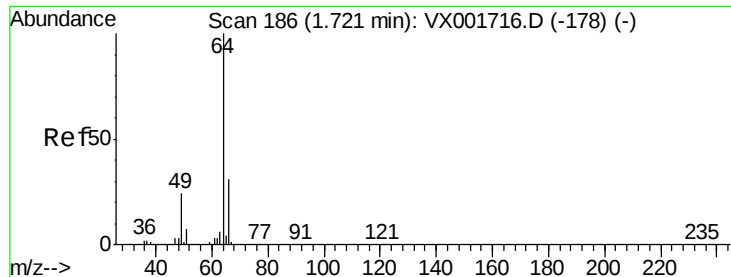
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.31 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampled :

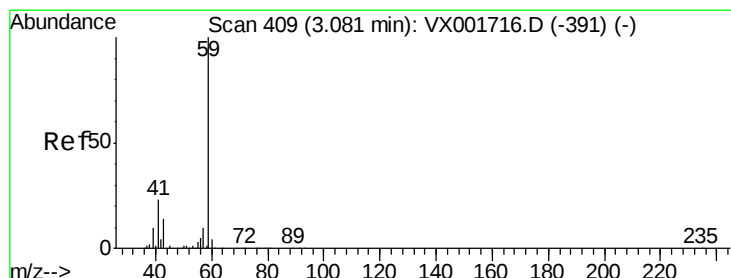
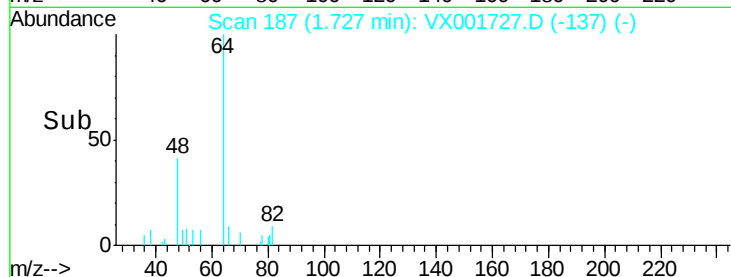
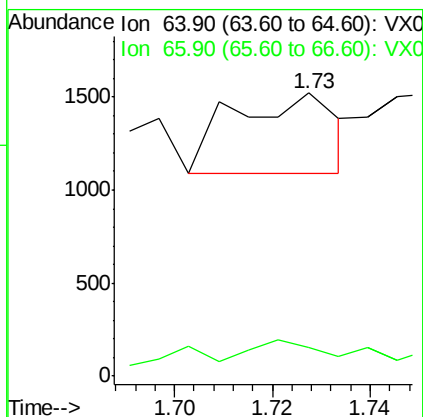
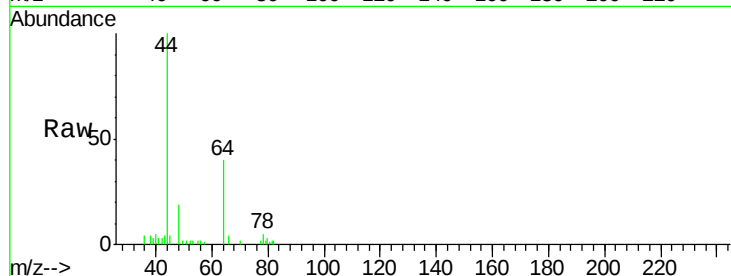
MW-5

Tgt Ion: 64 Resp: 635

Ion Ratio Lower Upper

64 100

66 10.8 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.01 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX001727.D

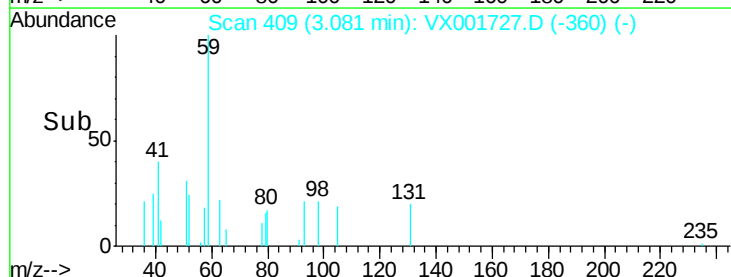
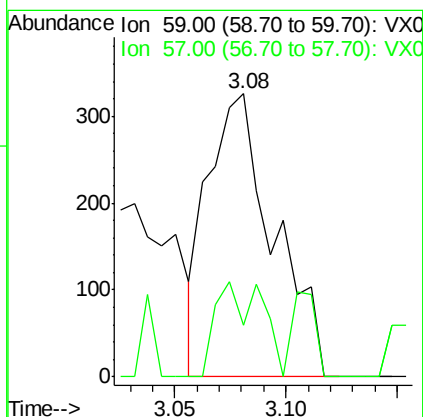
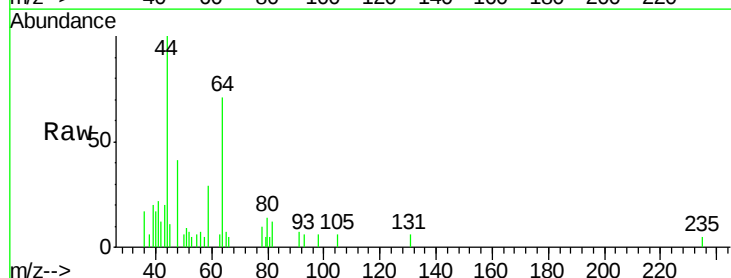
Acq: 14 May 2018 23:36

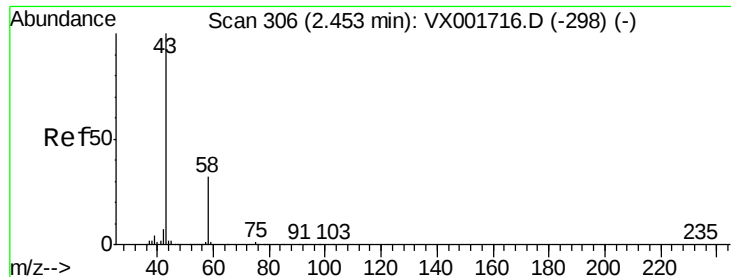
Tgt Ion: 59 Resp: 671

Ion Ratio Lower Upper

59 100

57 23.1 8.5 12.7#





#16

Acetone

Concen: 7.69 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampled :

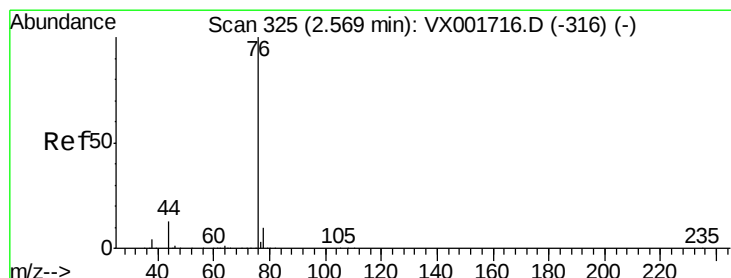
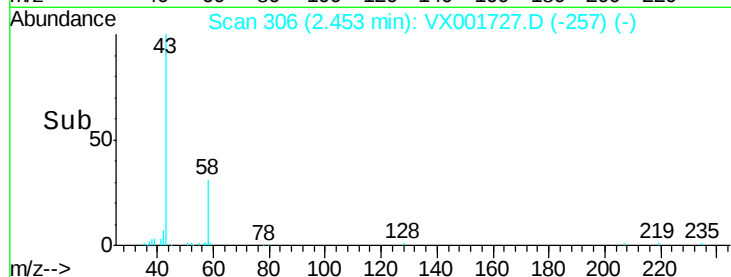
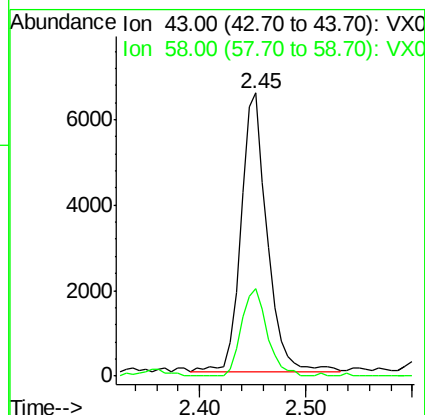
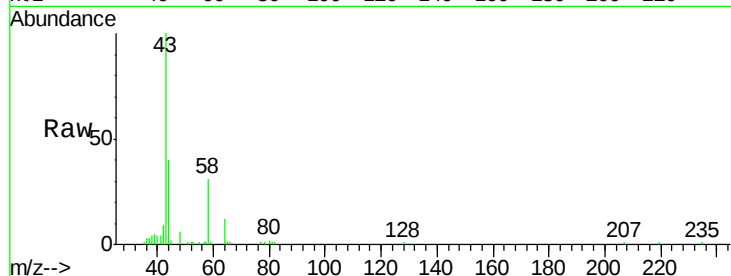
MW-5

Tgt Ion: 43 Resp: 11251

Ion Ratio Lower Upper

43 100

58 31.2 25.3 37.9



#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001727.D

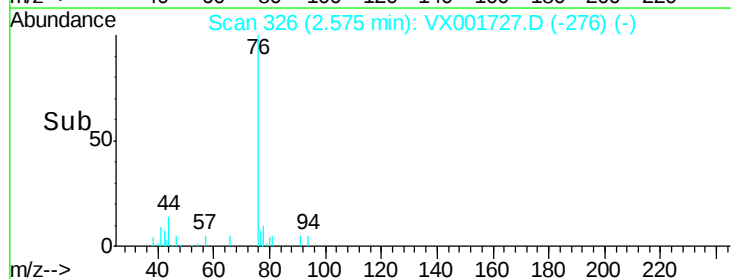
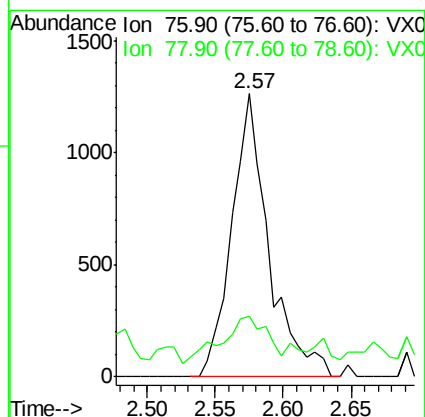
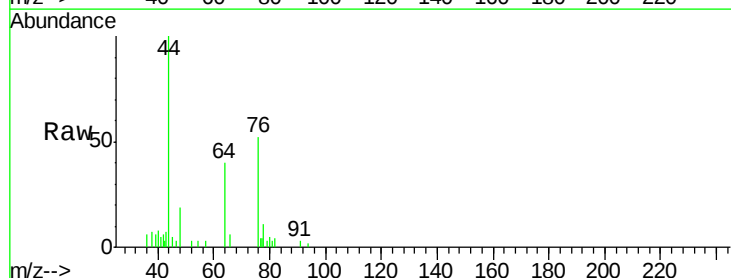
Acq: 14 May 2018 23:36

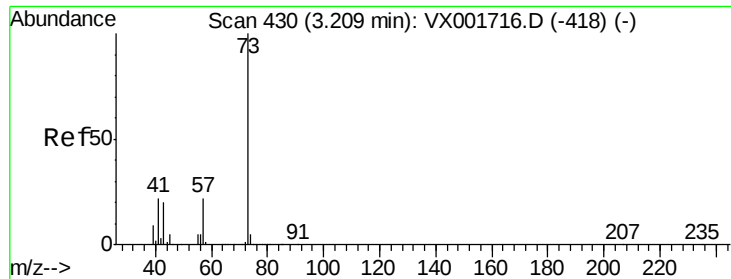
Tgt Ion: 76 Resp: 2392

Ion Ratio Lower Upper

76 100

78 15.1 7.6 11.4#

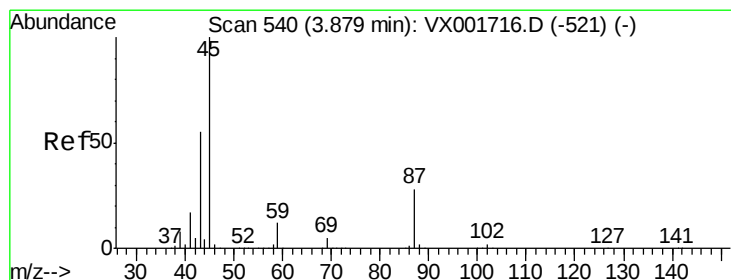
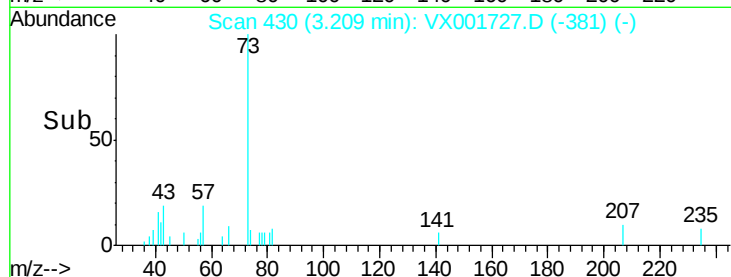
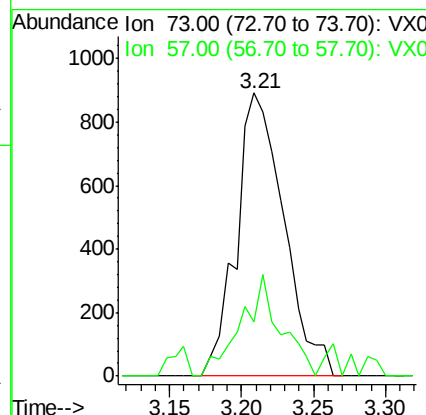
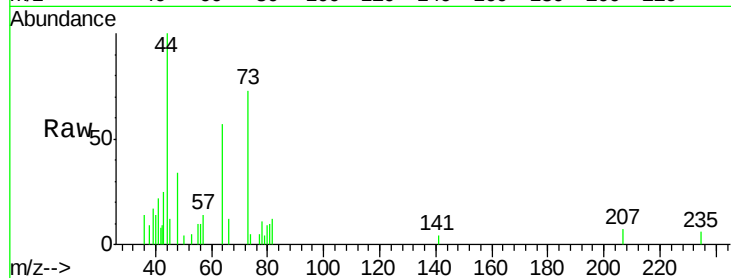




#19
Methyl tert-butyl Ether
Concen: 0.22 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001727.D
Acq: 14 May 2018 23:36

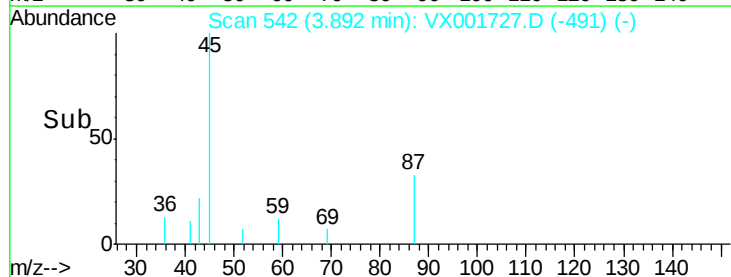
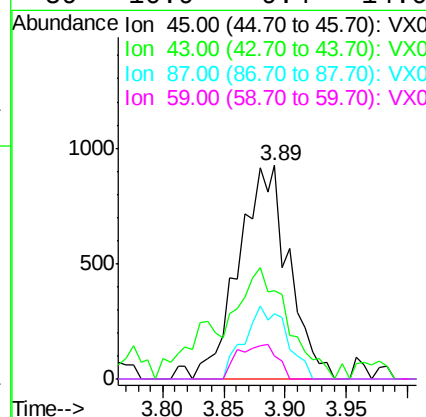
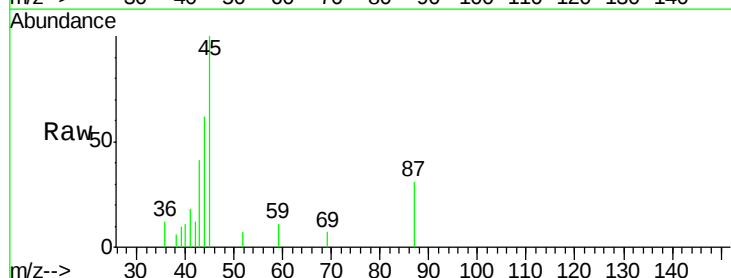
Instrument :
MSVOA_X
ClientSampleId :
MW-5

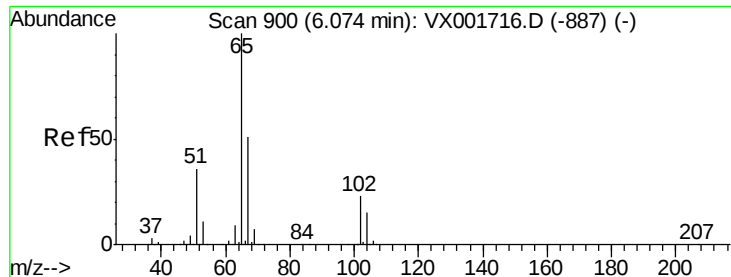
Tgt Ion: 73 Resp: 2040
Ion Ratio Lower Upper
73 100
57 19.2 17.5 26.3



#22
Diisopropyl ether
Concen: 0.27 ug/l
RT: 3.89 min Scan# 542
Delta R.T. 0.01 min
Lab File: VX001727.D
Acq: 14 May 2018 23:36

Tgt Ion: 45 Resp: 2629
Ion Ratio Lower Upper
45 100
43 33.9 44.3 66.5#
87 30.7 22.6 33.8
59 10.9 9.4 14.0





#33

1,2-Dichloroethane-d4

Concen: 46.23 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

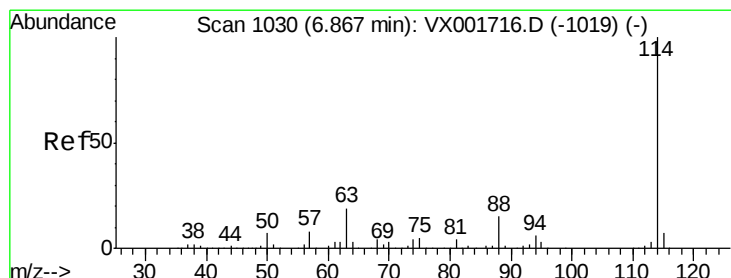
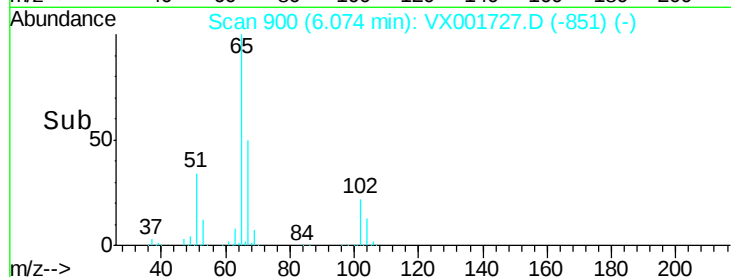
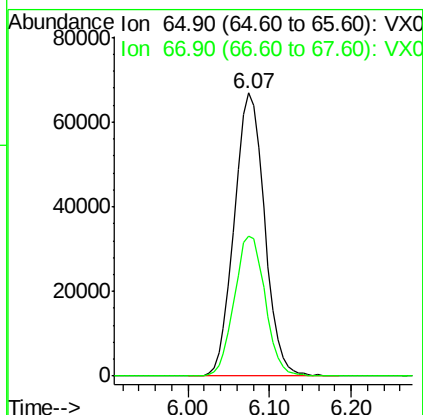
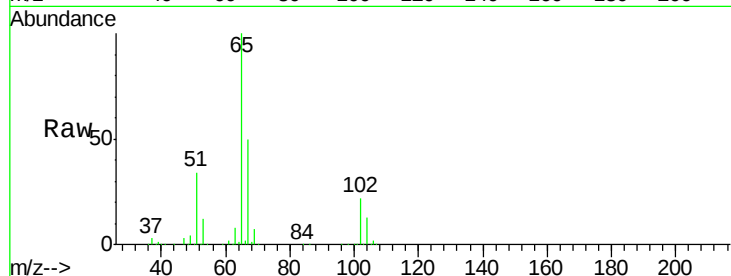
MW-5

Tgt Ion: 65 Resp: 172289

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

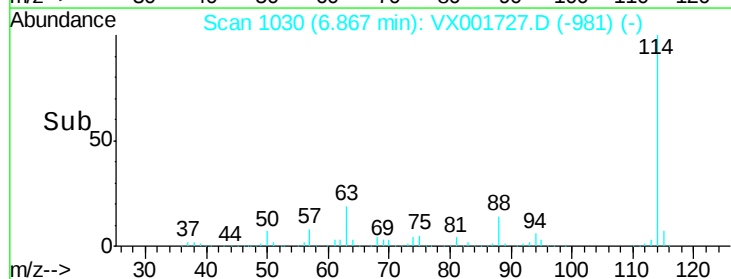
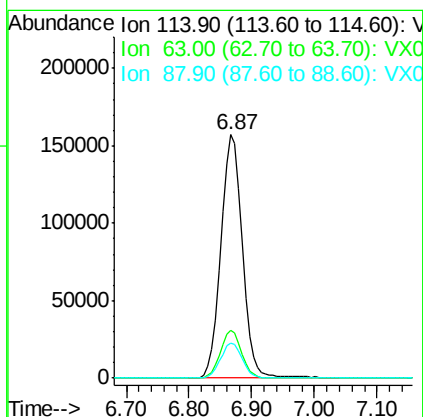
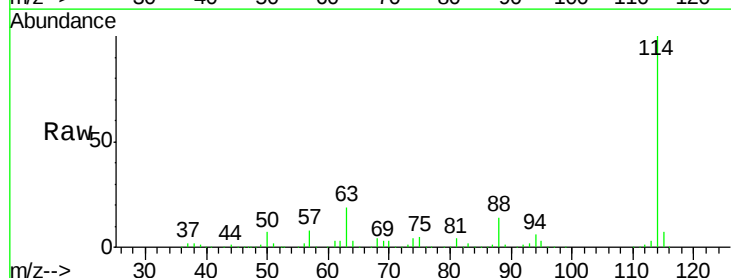
Tgt Ion: 114 Resp: 374076

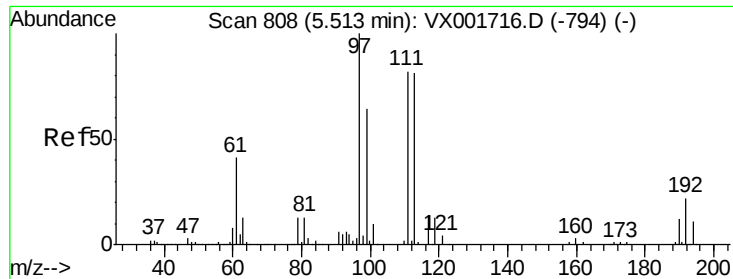
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.0

88 14.4 0.0 29.8

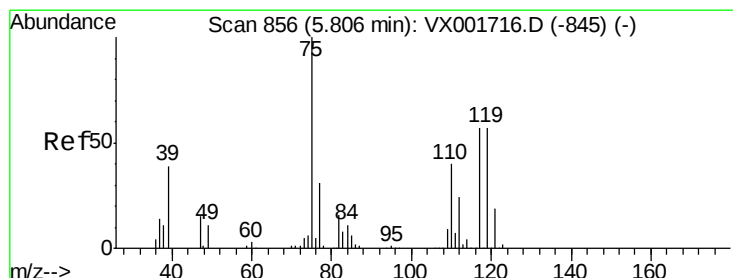
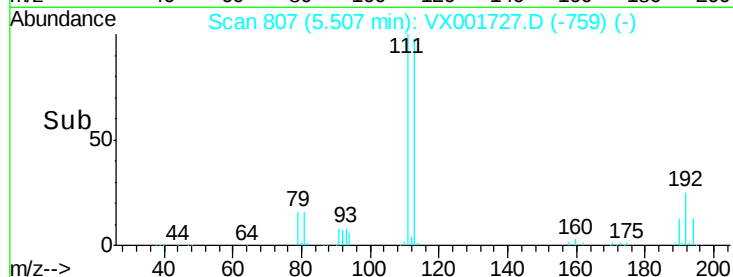
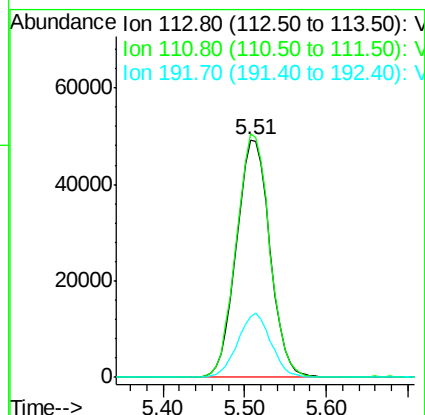
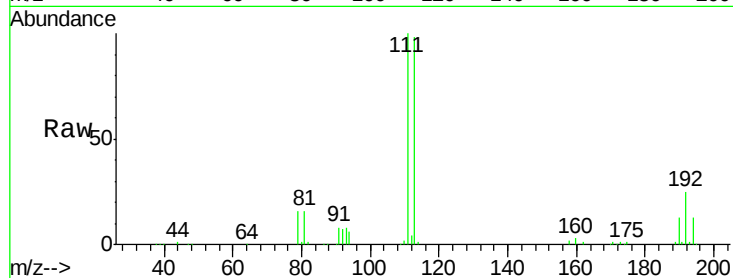




#35
 Dibromofluoromethane
 Concen: 44.51 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001727.D
 Acq: 14 May 2018 23:36

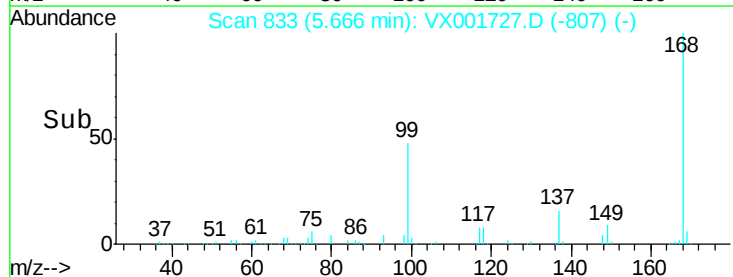
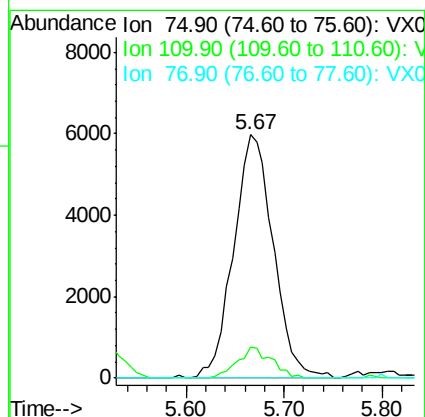
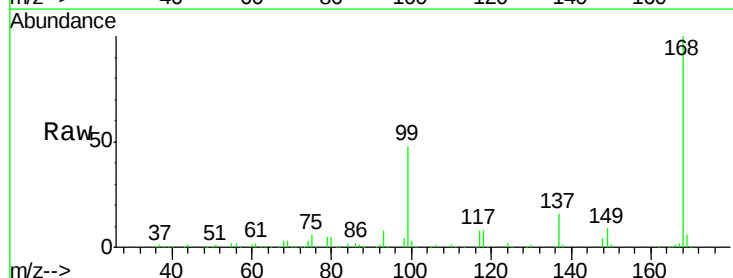
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

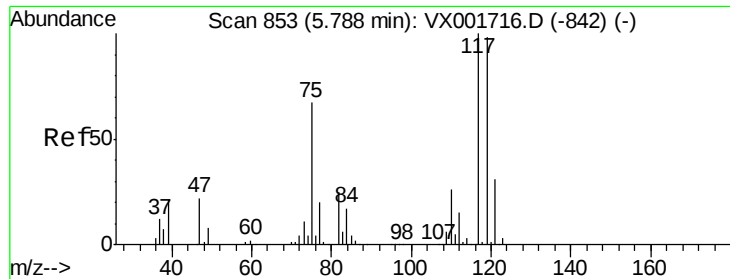
Tgt Ion:113 Resp: 140516
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.0 123.0
 192 26.9 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001727.D
 Acq: 14 May 2018 23:36

Tgt Ion: 75 Resp: 16843
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.1 57.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.12 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.11 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampled :

MW-5

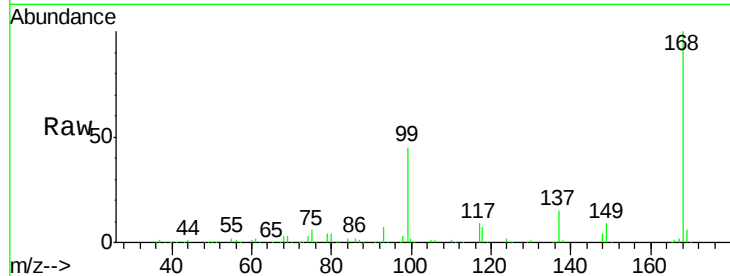
Tgt Ion: 117 Resp: 23091

Ion Ratio Lower Upper

117 100

119 4.0 77.6 116.4#

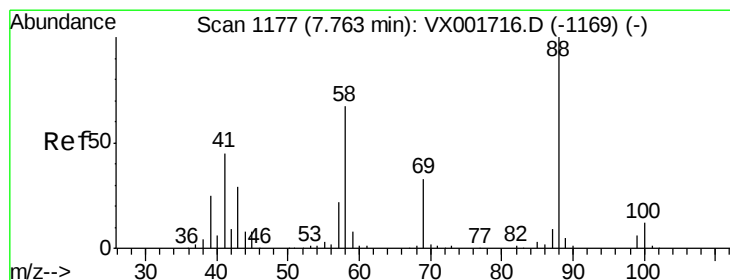
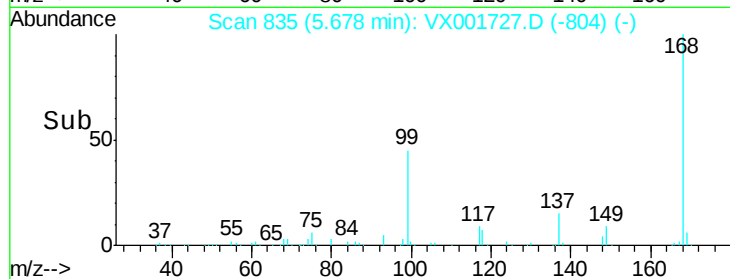
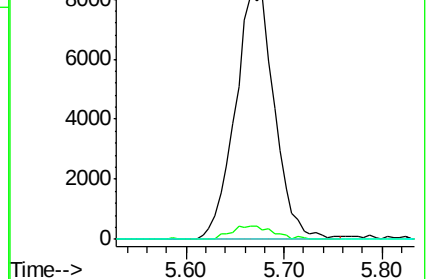
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.28 ug/l

RT: 7.99 min Scan# 1214

Delta R.T. 0.23 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

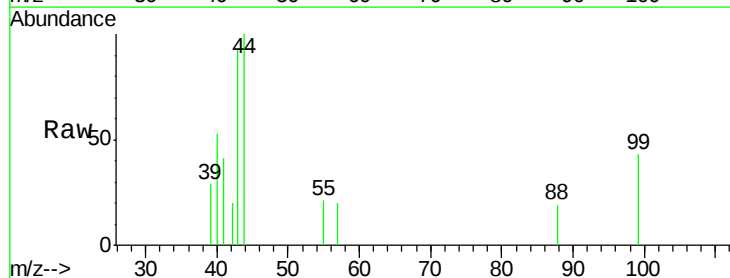
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 2620.0 27.3 40.9#

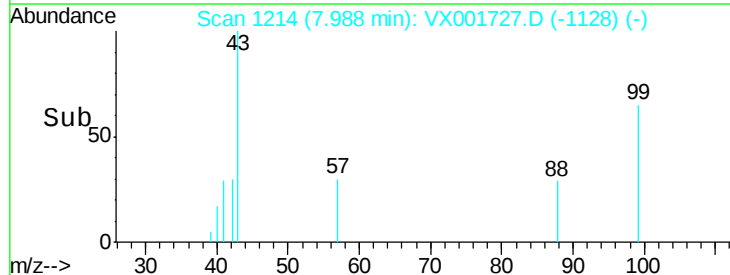
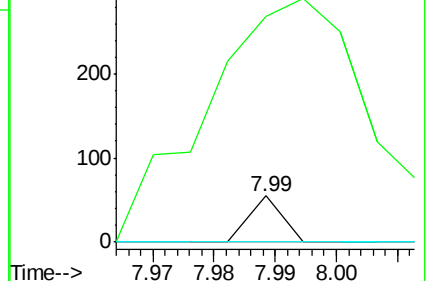
58 0.0 55.9 83.9#

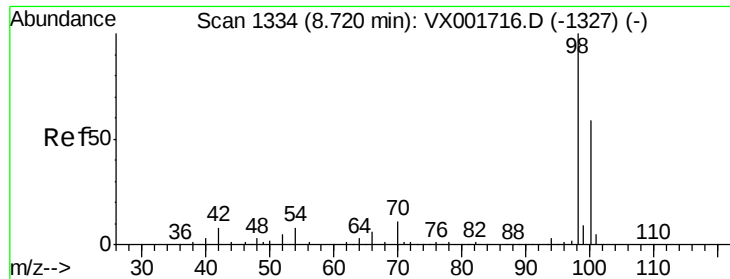


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.00 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

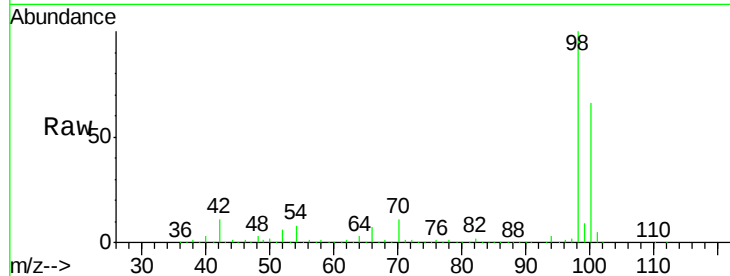
MW-5

Tgt Ion: 98 Resp: 520141

Ion Ratio Lower Upper

98 100

100 65.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

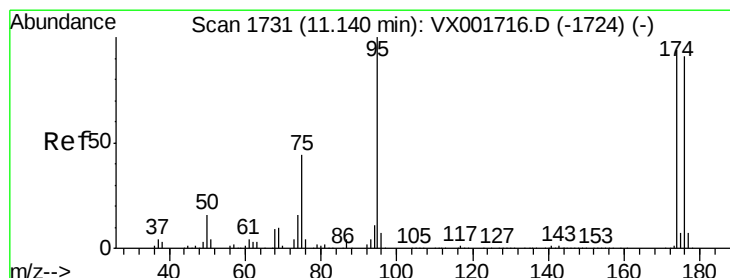
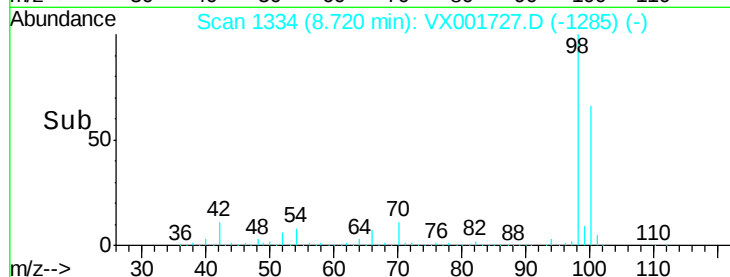
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 42.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

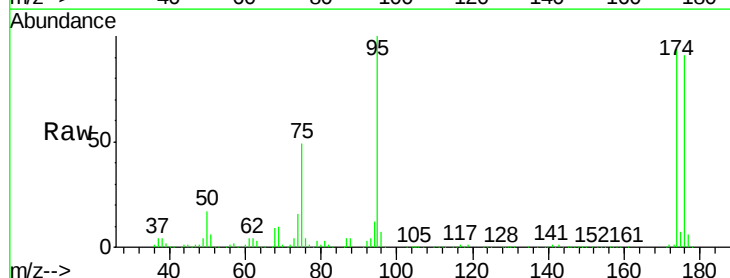
Tgt Ion: 95 Resp: 174050

Ion Ratio Lower Upper

95 100

174 102.0 0.0 201.8

176 99.7 0.0 196.8



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

150000

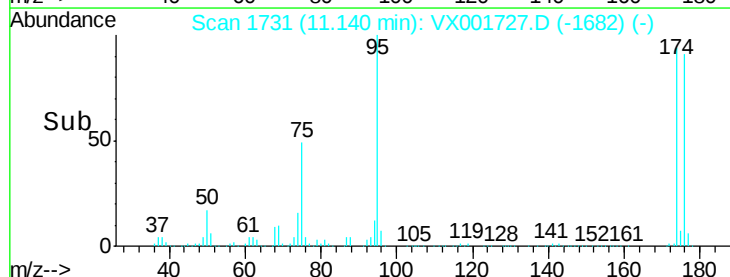
100000

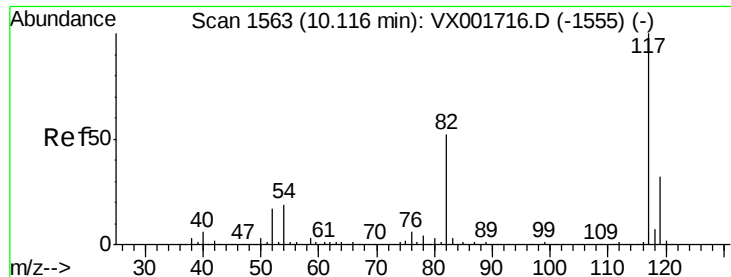
50000

0

Time-->

11.10 11.20

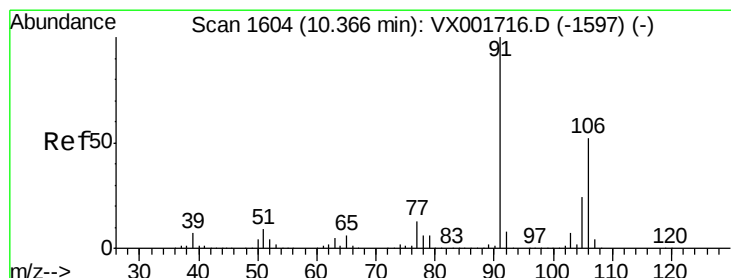
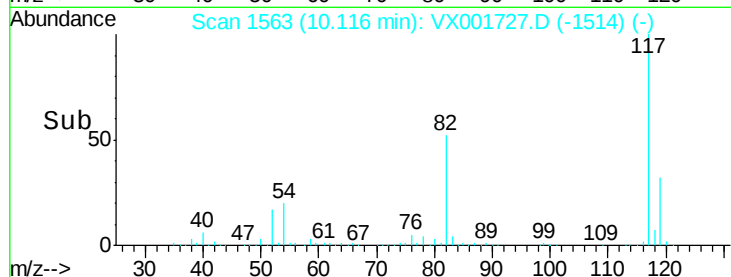
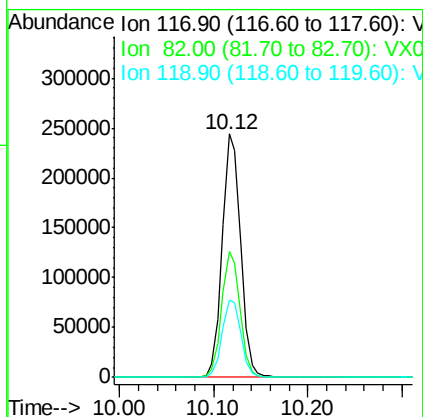
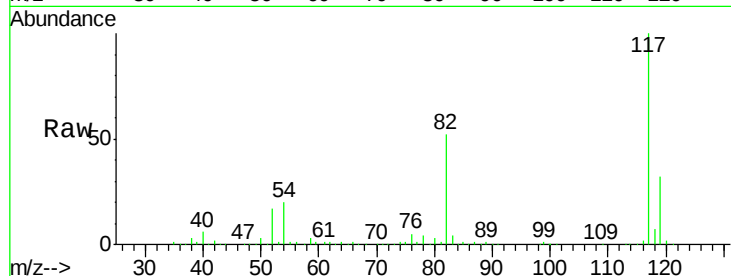




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001727.D
Acq: 14 May 2018 23:36

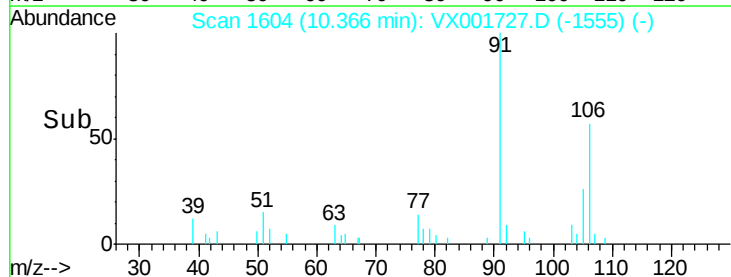
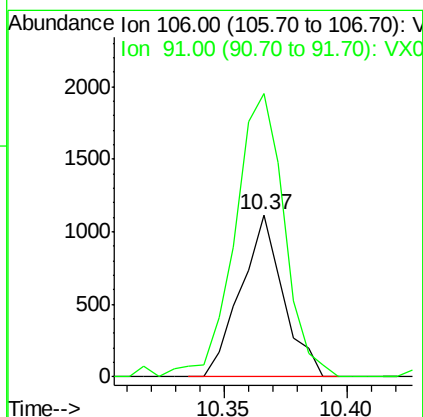
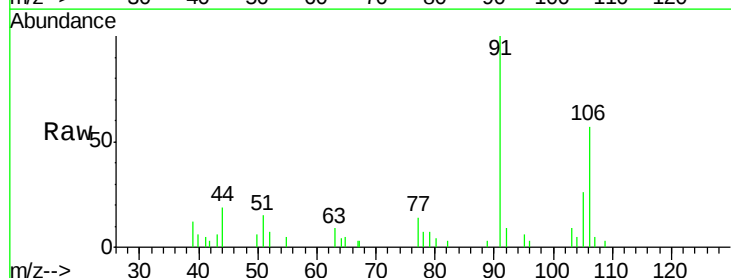
Instrument :
MSVOA_X
ClientSampled :
MW-5

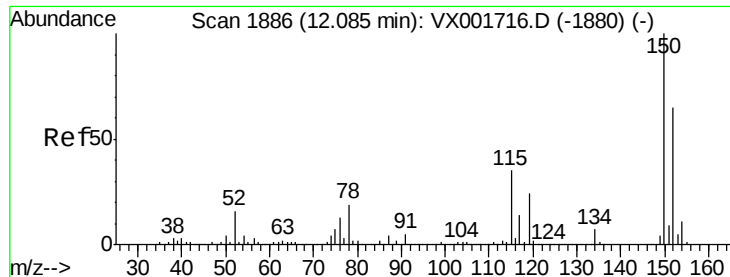
Tgt Ion:117 Resp: 330657
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 31.7 25.6 38.4



#68
m/p-Xylenes
Concen: 0.24 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001727.D
Acq: 14 May 2018 23:36

Tgt Ion:106 Resp: 1349
Ion Ratio Lower Upper
106 100
91 202.6 155.4 233.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

MW-5

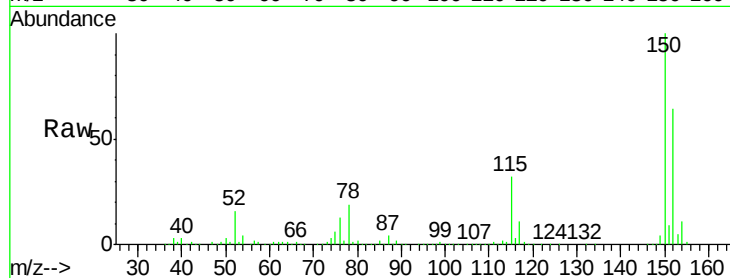
Tgt Ion:152 Resp: 199342

Ion Ratio Lower Upper

152 100

115 52.0 37.4 112.2

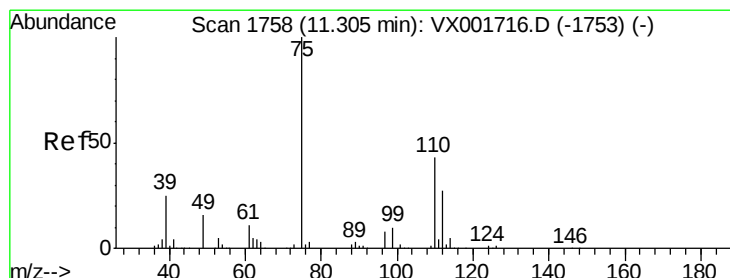
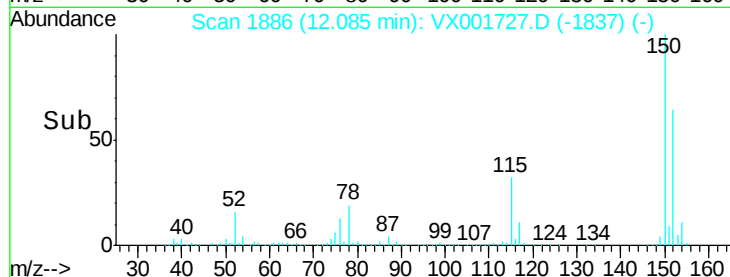
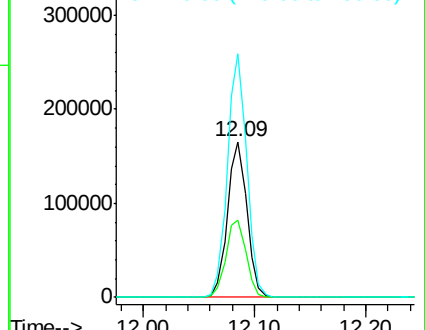
150 155.6 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 22.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001727.D

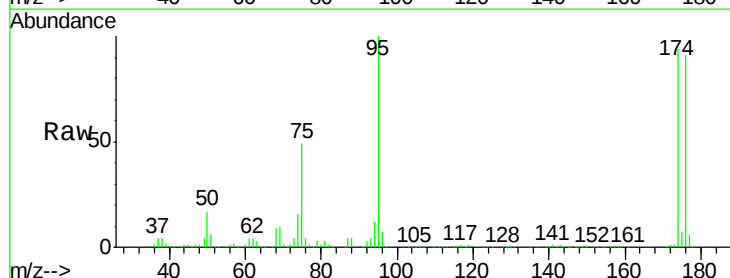
Acq: 14 May 2018 23:36

Tgt Ion: 75 Resp: 84311

Ion Ratio Lower Upper

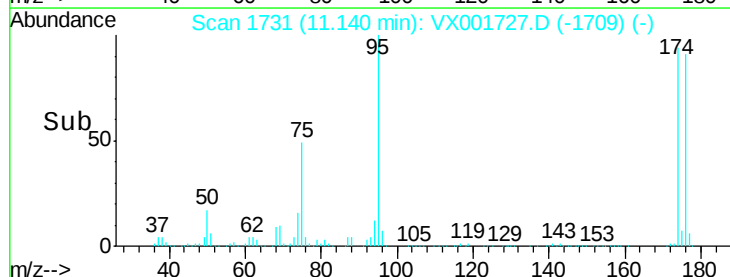
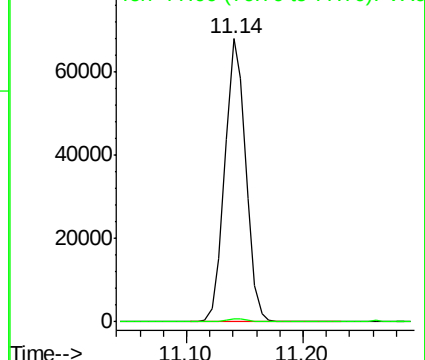
75 100

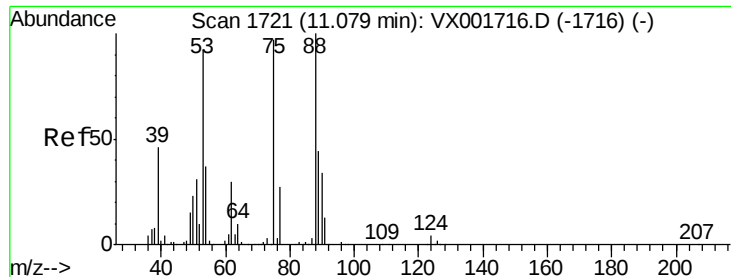
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001727.D

Acq: 14 May 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tgt Ion: 75 Resp: 84311

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

