

Data File : VX000519.D
Acq On : 29 Mar 2018 18:06
Operator : JC/MD
Sample : J2097-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-9

Quant Time: Mar 30 06:54:56 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	116002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	221992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	118211	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	86523	57.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.28%	
35) Dibromofluoromethane	5.51	113	67392	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	8.73	98	282609	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.15	95	101681	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	265	0.20	ug/l #	38
6) Chloroethane	1.73	64	200	Below	Cal #	44
10) Methyl Iodide	2.53	142	52	4.31	ug/l #	37
11) Tert butyl alcohol	3.08	59	1105	2.12	ug/l	98
13) Acrolein	2.31	56	42	14.82	ug/l #	15
14) Allyl chloride	2.74	41	86	Below	Cal #	1
16) Acetone	2.45	43	1415	1.12	ug/l	95
20) Methylene Chloride	2.87	84	299	0.21	ug/l #	81
31) Cyclohexane	5.68	56	2821	1.48	ug/l #	29
36) 1,1-Dichloropropene	5.68	75	9125	4.44	ug/l #	52
38) Carbon Tetrachloride	5.67	117	11410	5.29	ug/l #	17
51) 4-Methyl-2-Pentanone	8.73	43	1435	0.44	ug/l #	1
68) m/p-Xylenes	10.37	106	916	0.28	ug/l	76
74) N-amyl acetate	6.29	43	21	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	57394	22.59	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	57394	73.14	ug/l #	9

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

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ClientSampleId :

MW-9

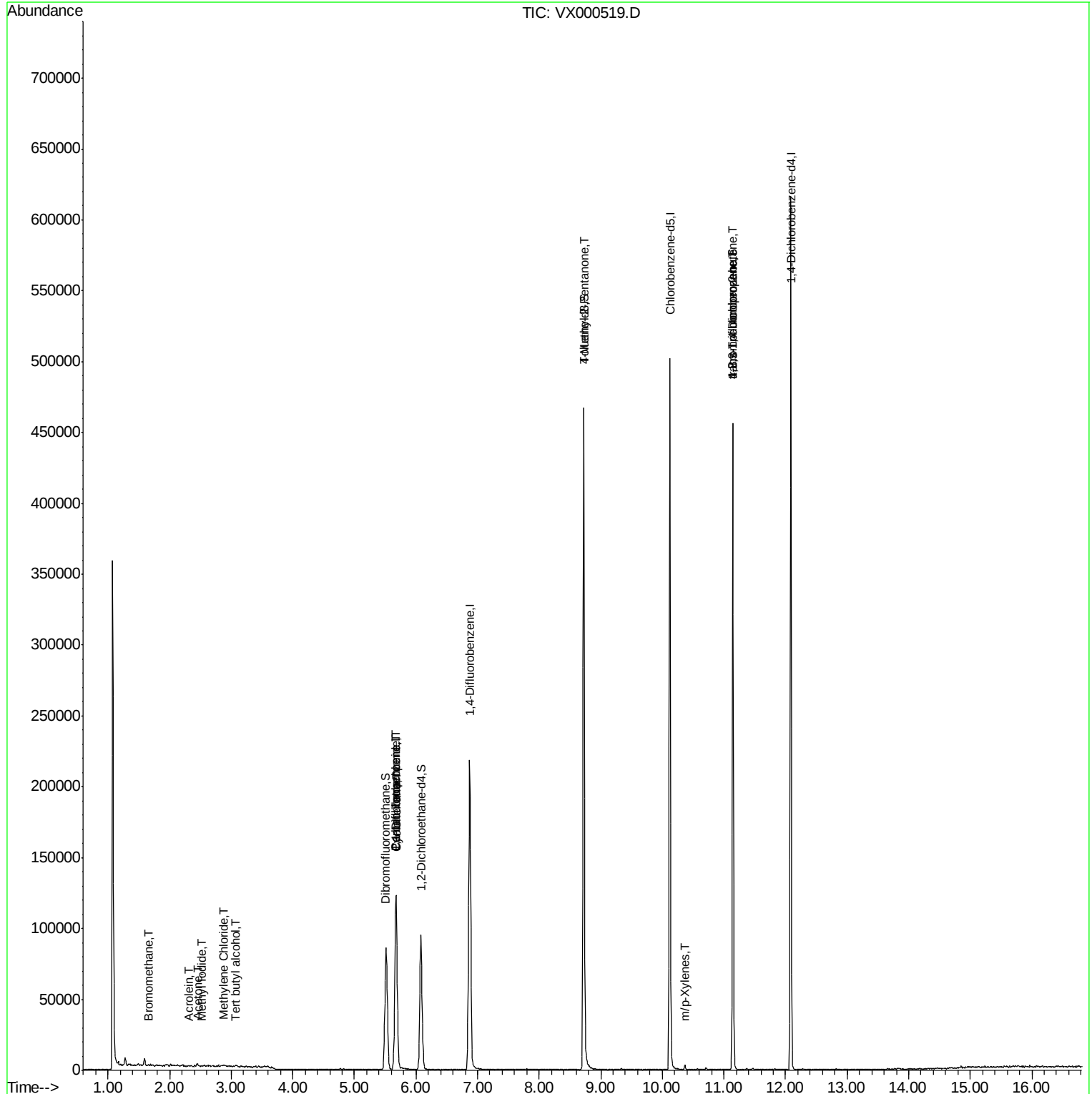
Quant Time: Mar 30 06:54:56 2018

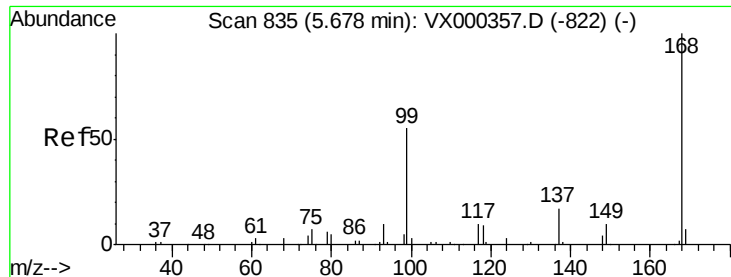
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampleId :

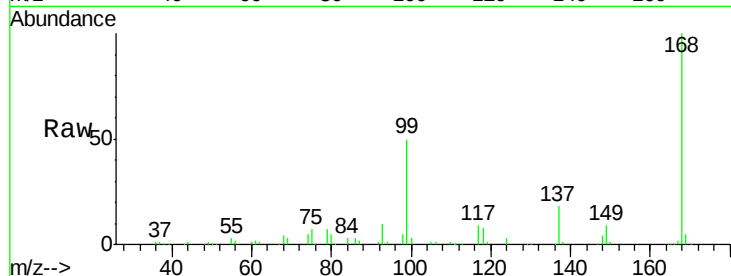
MW-9

Tgt Ion:168 Resp: 116002

Ion Ratio Lower Upper

168 100

99 50.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

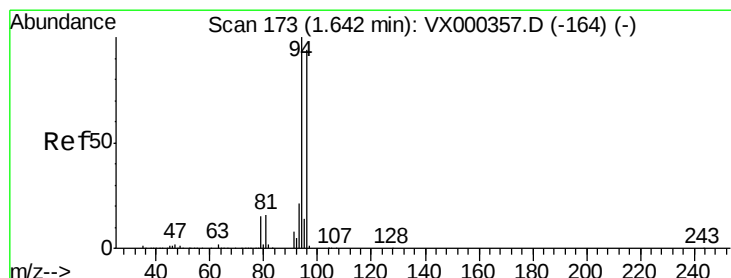
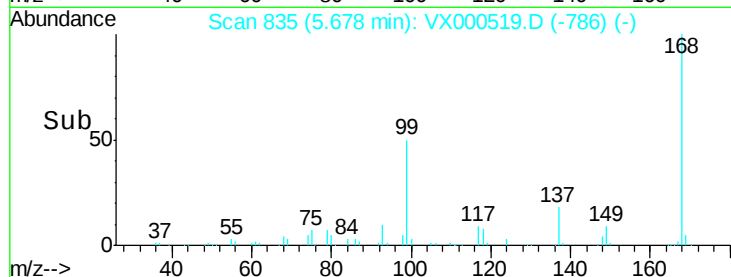
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.20 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000519.D

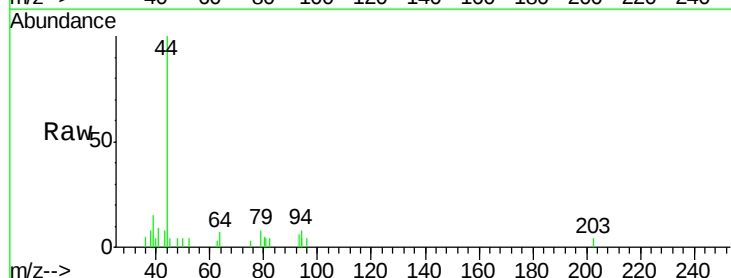
Acq: 29 Mar 2018 18:06

Tgt Ion: 94 Resp: 265

Ion Ratio Lower Upper

94 100

96 35.6 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

150

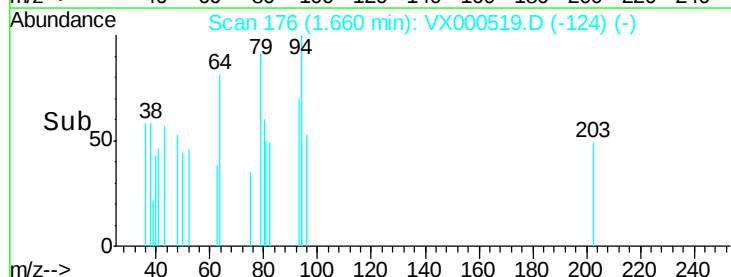
100

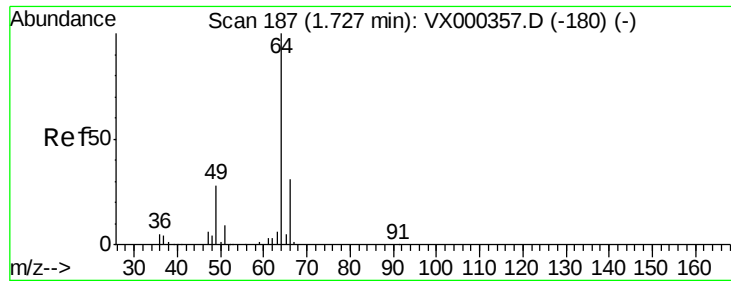
50

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampleId :

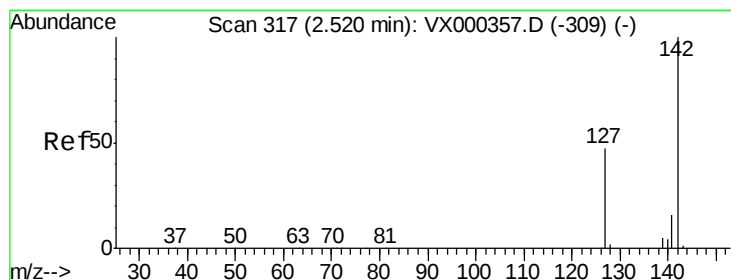
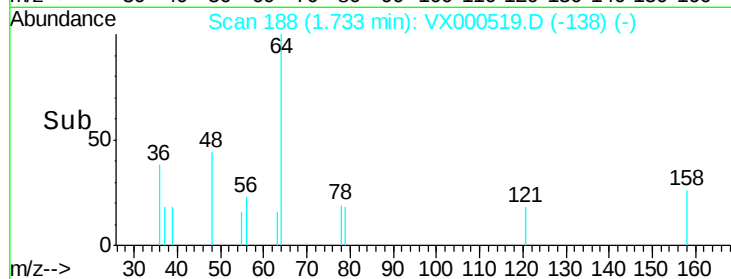
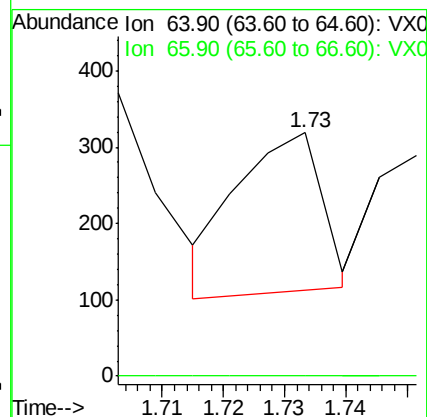
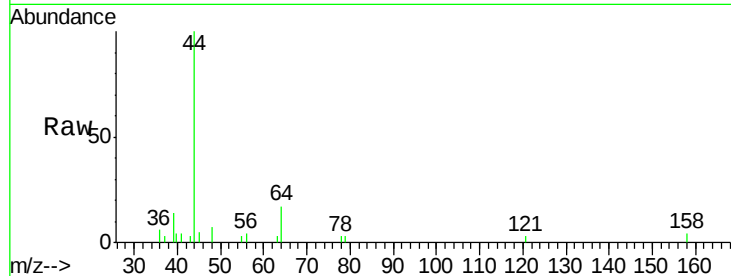
MW-9

Tgt Ion: 64 Resp: 200

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.31 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

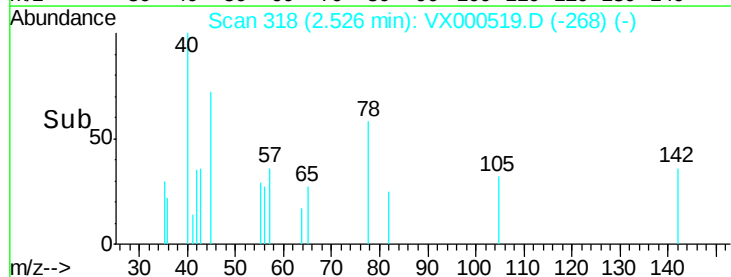
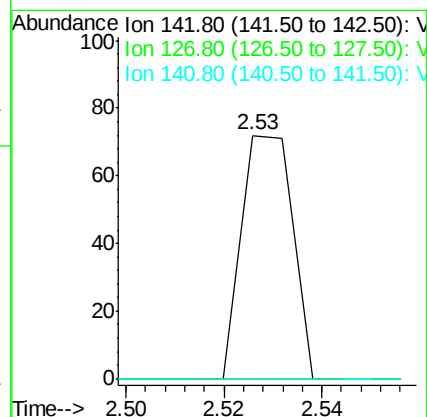
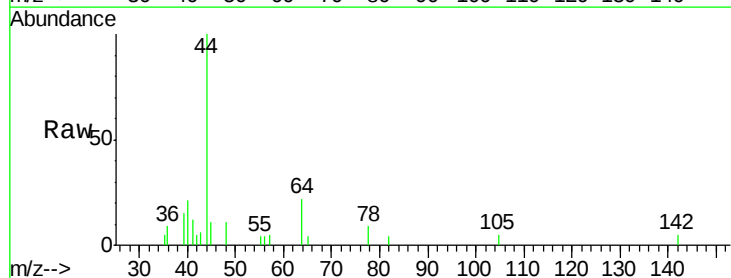
Tgt Ion: 142 Resp: 52

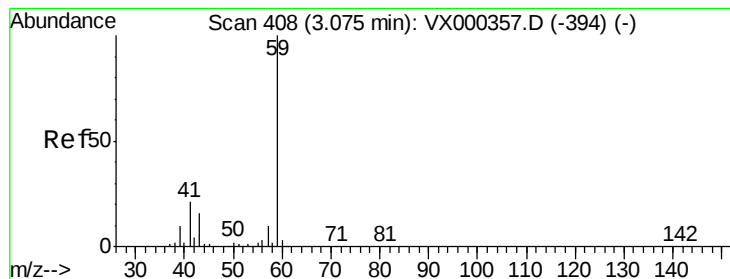
Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 2.12 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampled :

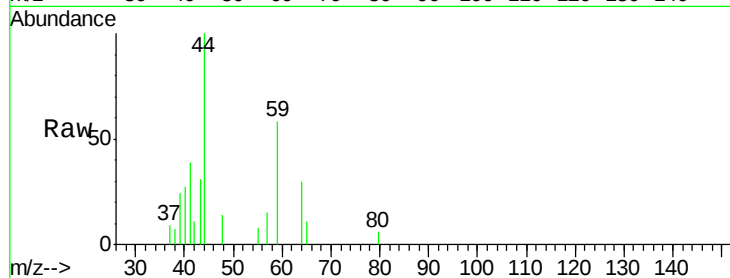
MW-9

Tgt Ion: 59 Resp: 1105

Ion Ratio Lower Upper

59 100

57 11.2 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.08

500

400

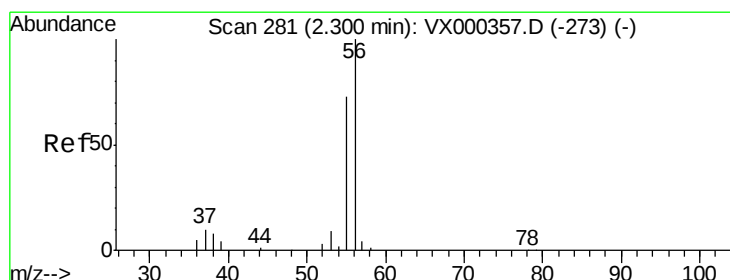
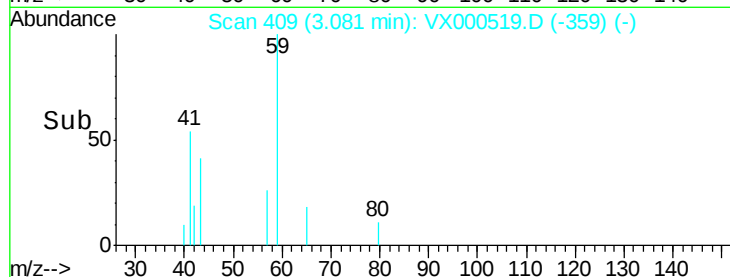
300

200

100

0

Time-->



#13

Acrolein

Concen: 14.82 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX000519.D

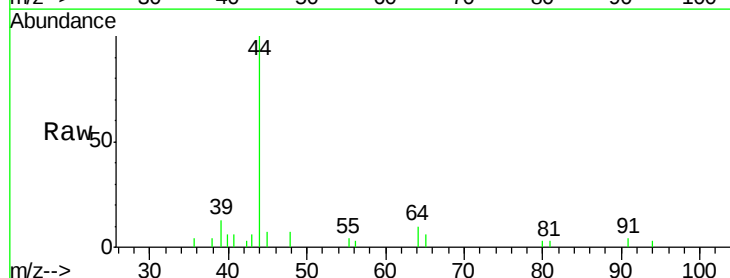
Acq: 29 Mar 2018 18:06

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 145.2 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

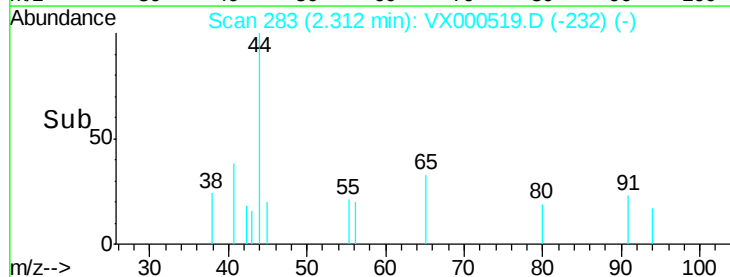
2.31

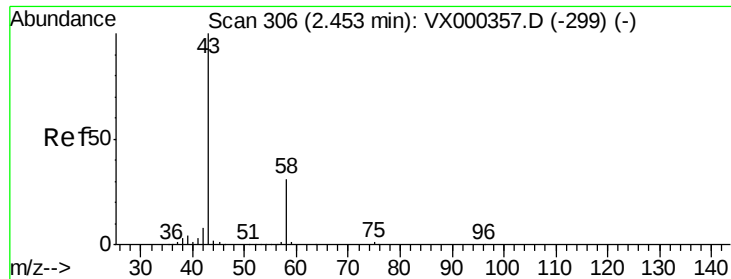
100

50

0

Time-->





#16

Acetone

Concen: 1.12 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampled :

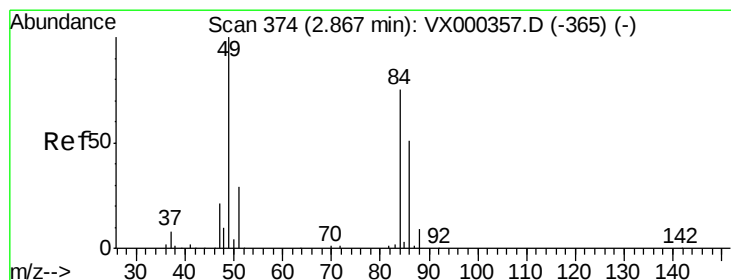
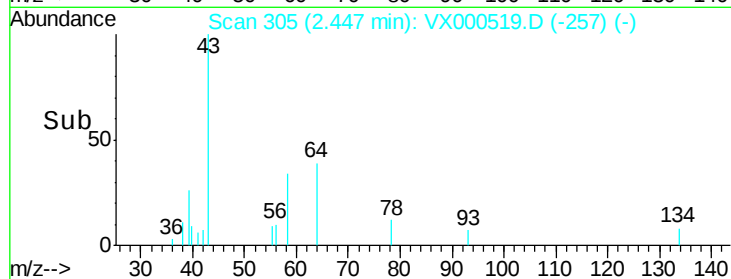
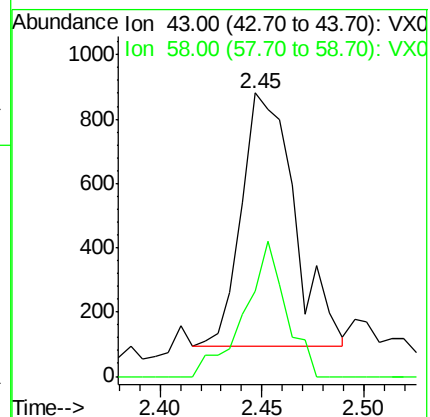
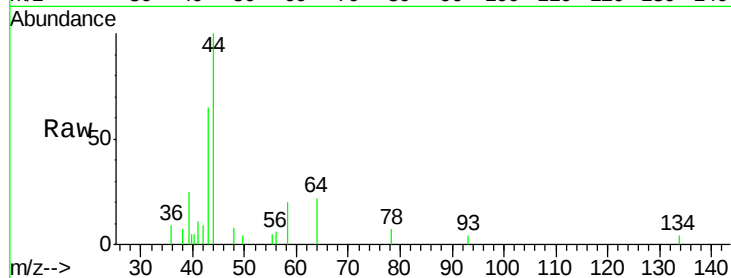
MW-9

Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 33.6 24.7 37.1



#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Tgt Ion: 84 Resp: 299

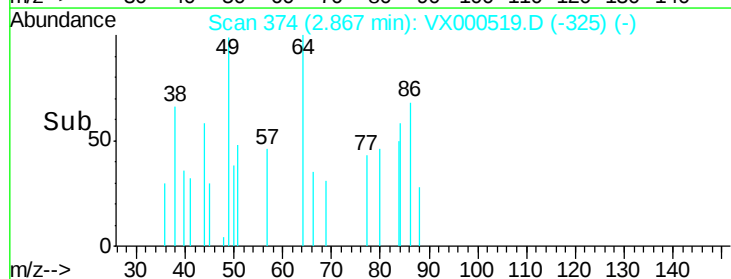
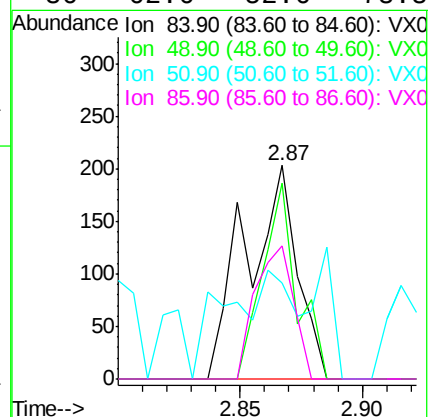
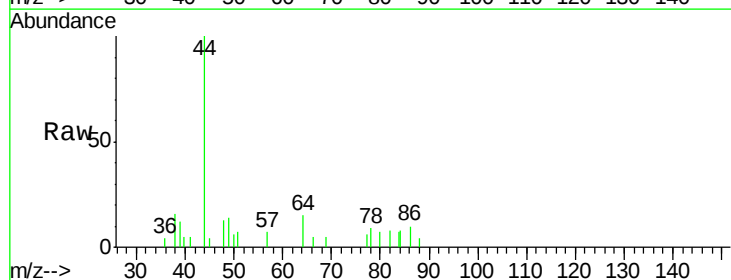
Ion Ratio Lower Upper

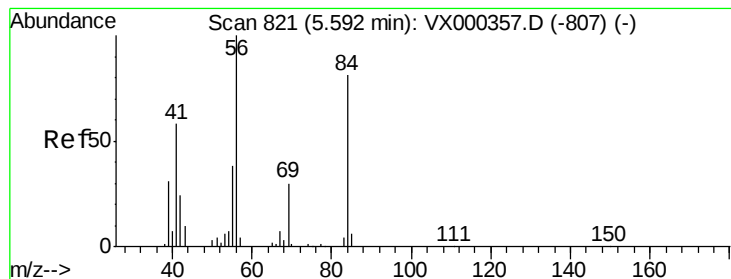
84 100

49 91.6 100.6 151.0#

51 44.8 31.6 47.4

86 62.6 52.6 78.8





#31

Cyclohexane

Concen: 1.48 ug/l

RT: 5.68 min Scan# 836

Delta R.T. 0.09 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampled :

MW-9

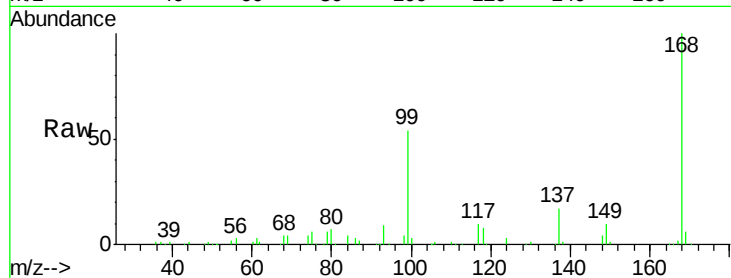
Tgt Ion: 56 Resp: 2821

Ion Ratio Lower Upper

56 100

69 121.0 23.4 35.0#

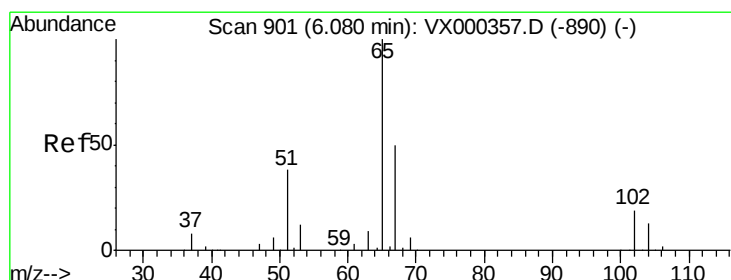
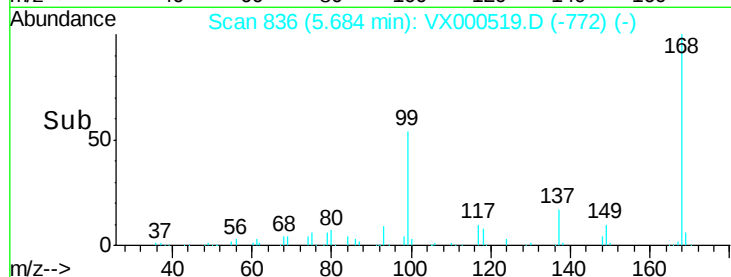
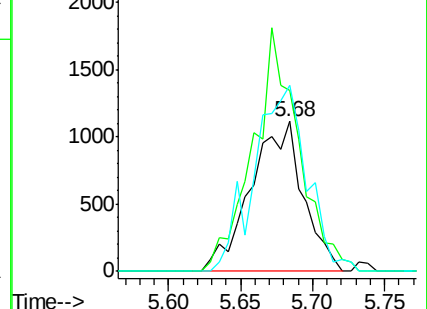
84 124.1 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 57.14 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000519.D

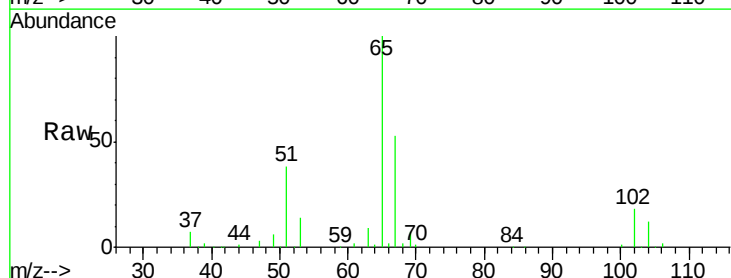
Acq: 29 Mar 2018 18:06

Tgt Ion: 65 Resp: 86523

Ion Ratio Lower Upper

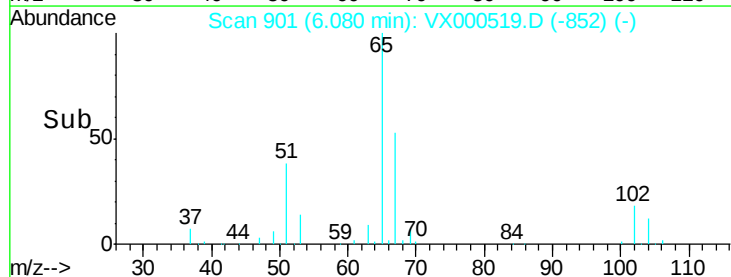
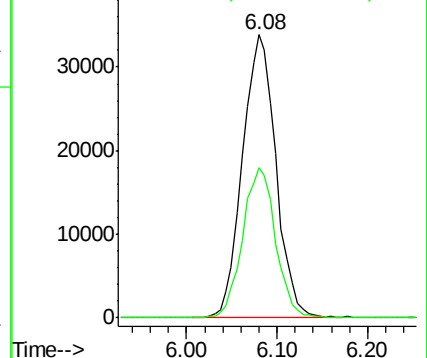
65 100

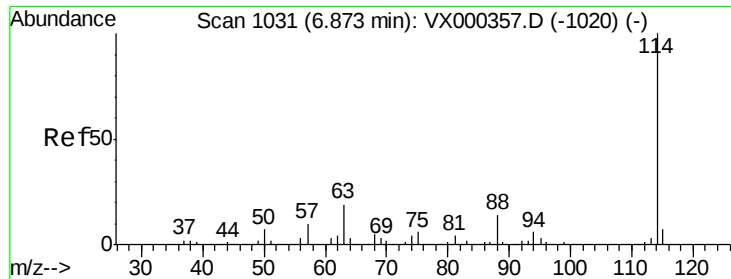
67 52.2 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

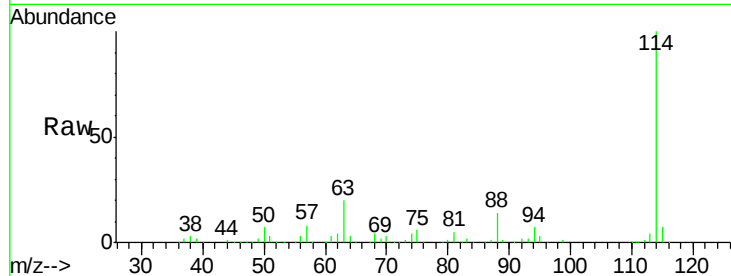




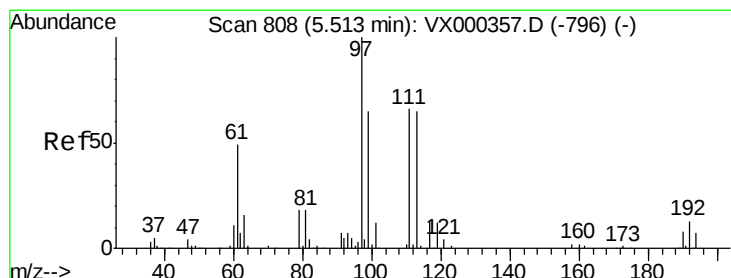
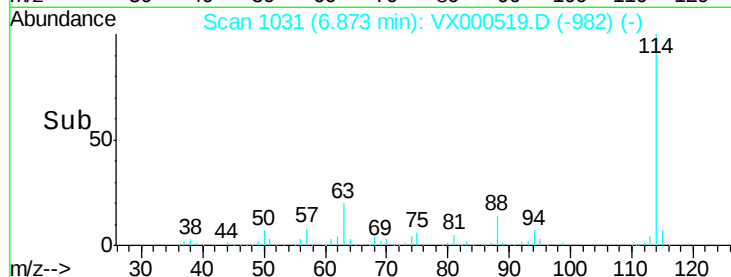
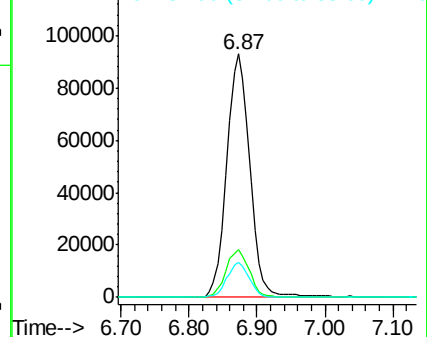
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000519.D
Acq: 29 Mar 2018 18:06

Instrument :
MSVOA_X
ClientSampleId :
MW-9

Tgt Ion:114 Resp: 219475
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 14.2 0.0 27.0

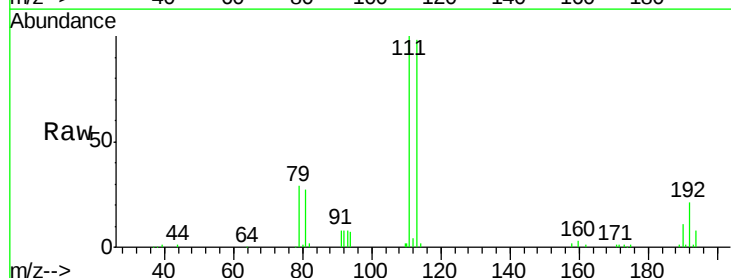


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

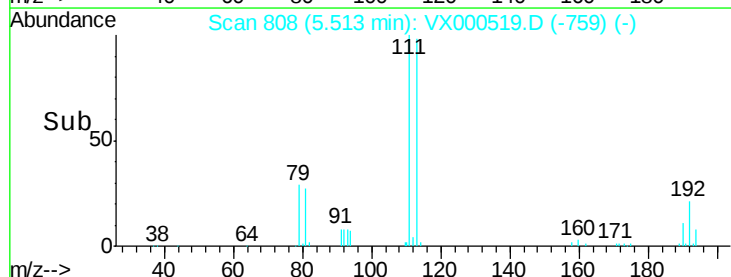
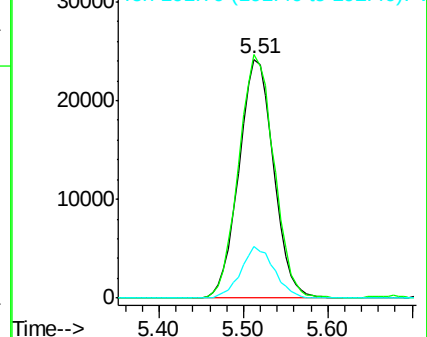


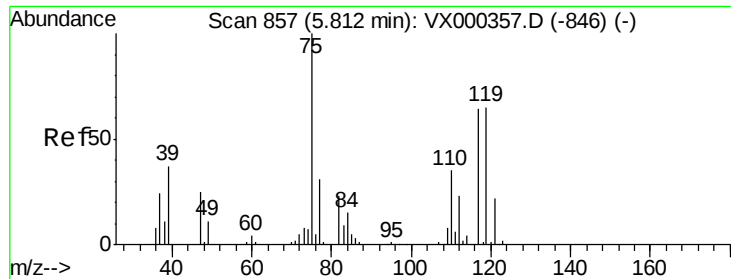
#35
Dibromofluoromethane
Concen: 48.73 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000519.D
Acq: 29 Mar 2018 18:06

Tgt Ion:113 Resp: 67392
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 20.6 15.8 23.6



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

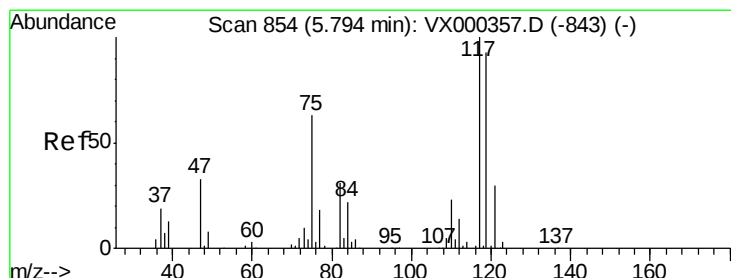
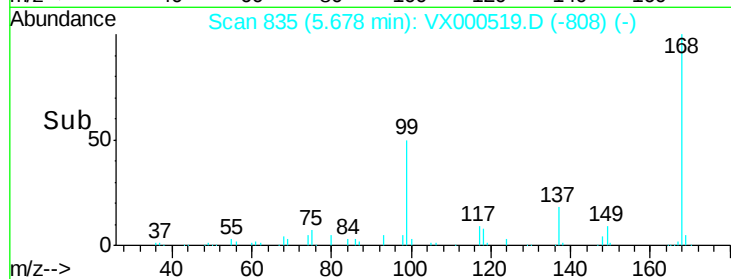
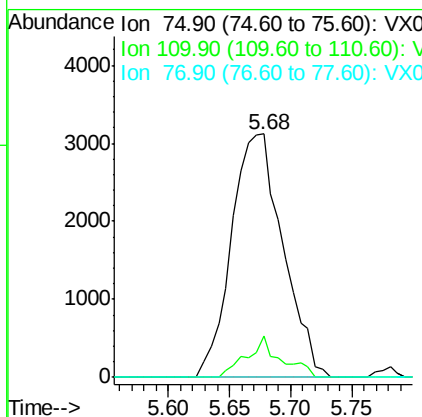
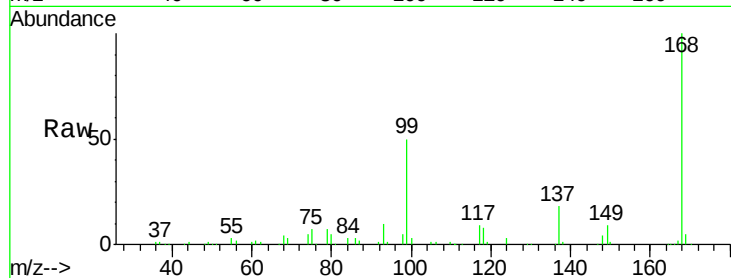




#36
 1,1-Dichloropropene
 Concen: 4.44 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000519.D
 Acq: 29 Mar 2018 18:06

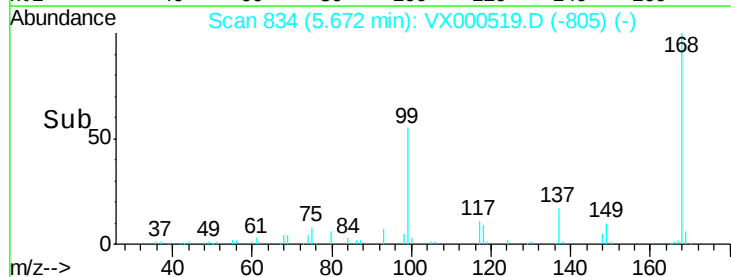
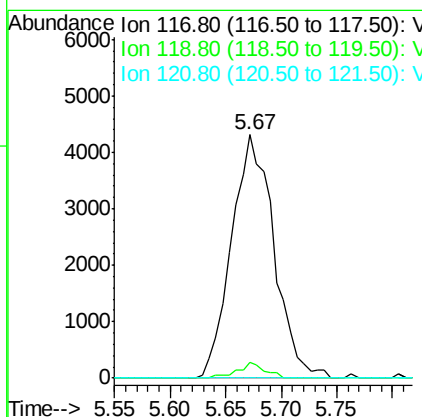
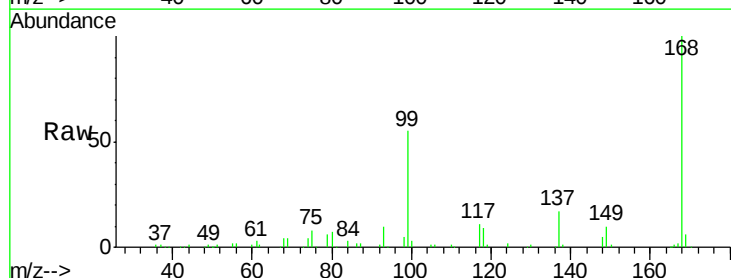
Instrument :
 MSVOA_X
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 MW-9

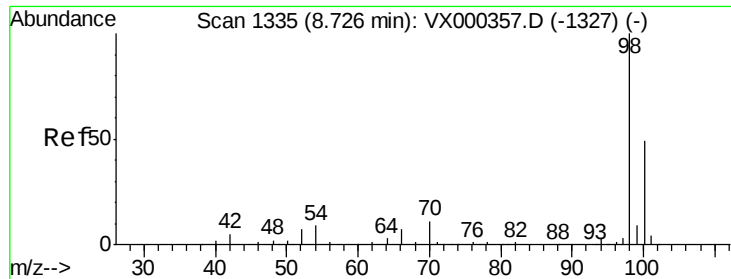
Tgt Ion: 75 Resp: 9125
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.29 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000519.D
 Acq: 29 Mar 2018 18:06

Tgt Ion: 117 Resp: 11410
 Ion Ratio Lower Upper
 117 100
 119 6.4 77.4 116.2#
 121 0.0 24.8 37.2#

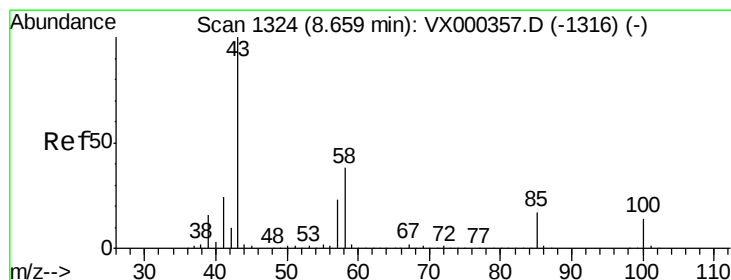
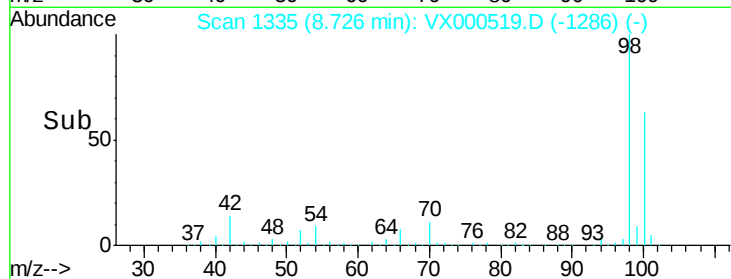
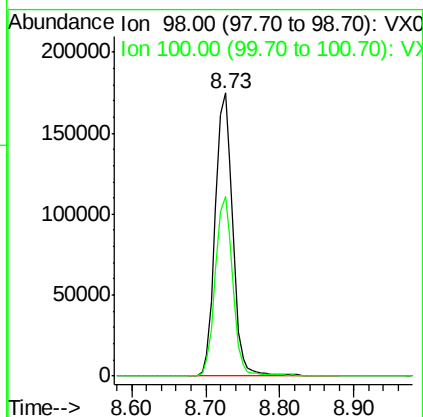
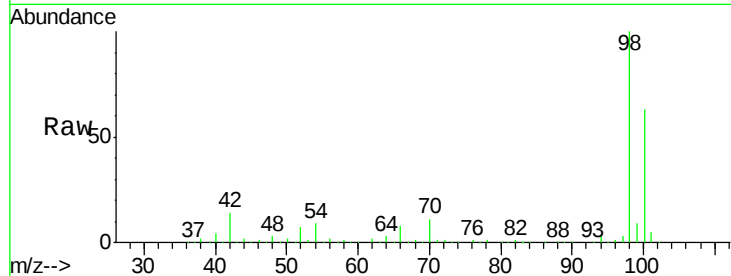




#50
Toluene-d8
Concen: 49.34 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000519.D
Acq: 29 Mar 2018 18:06

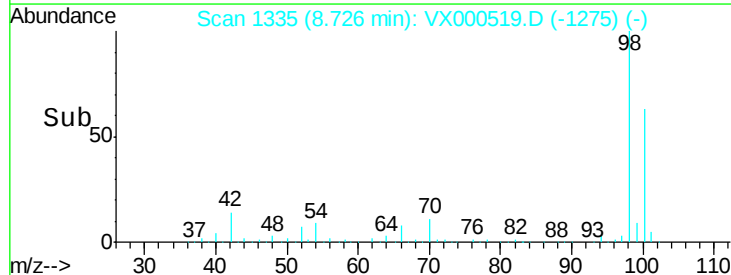
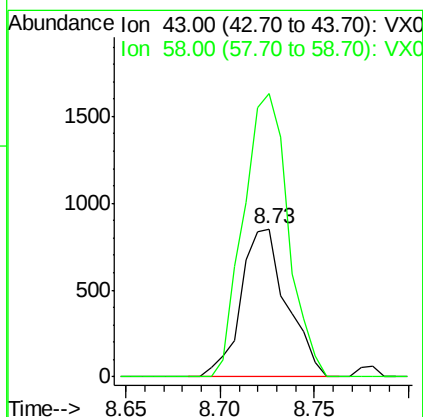
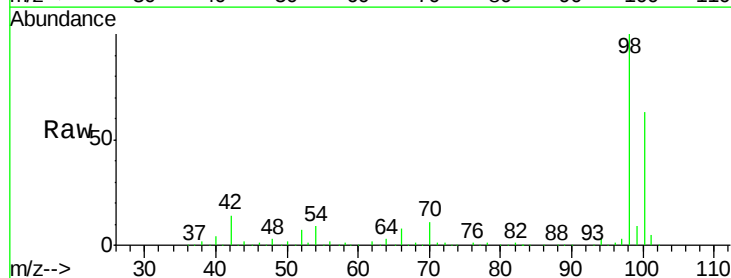
Instrument :
MSVOA_X
ClientSampled :
MW-9

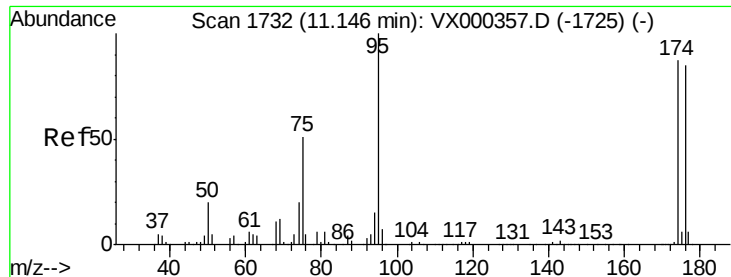
Tgt Ion: 98 Resp: 282609
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.44 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.07 min
Lab File: VX000519.D
Acq: 29 Mar 2018 18:06

Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
58 187.2 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 43.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampled :

MW-9

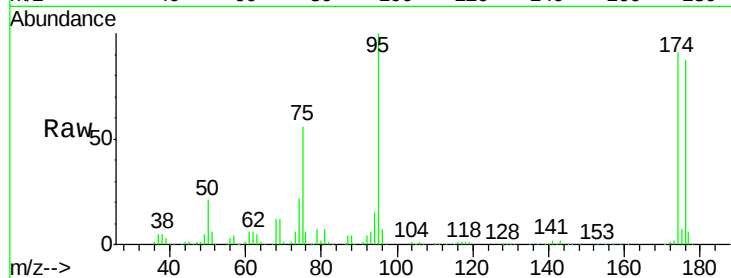
Tgt Ion: 95 Resp: 101681

Ion Ratio Lower Upper

95 100

174 89.2 0.0 173.6

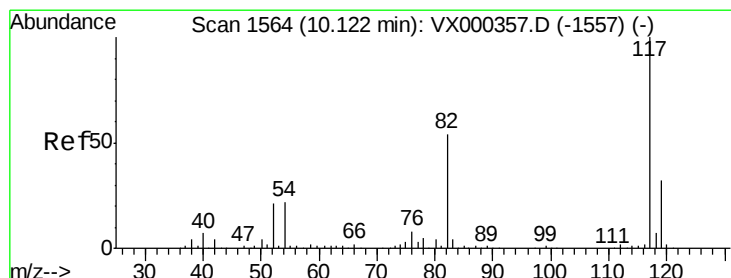
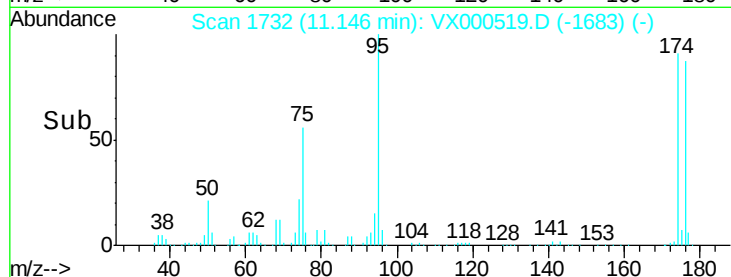
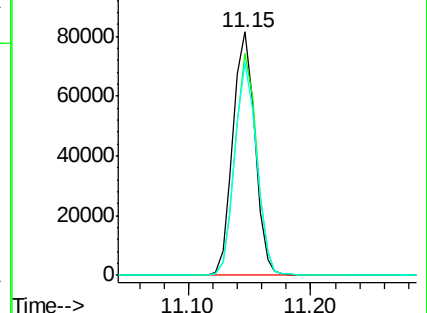
176 86.8 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000519.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000519.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000519.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

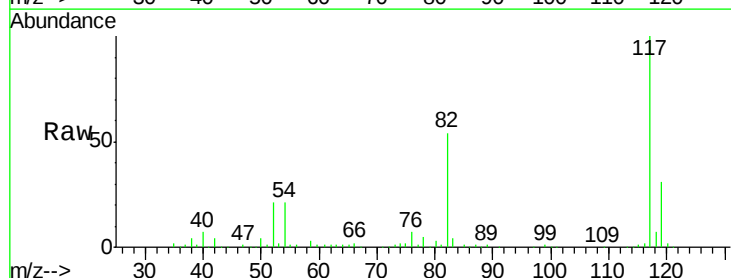
Tgt Ion: 117 Resp: 221992

Ion Ratio Lower Upper

117 100

82 53.8 43.8 65.8

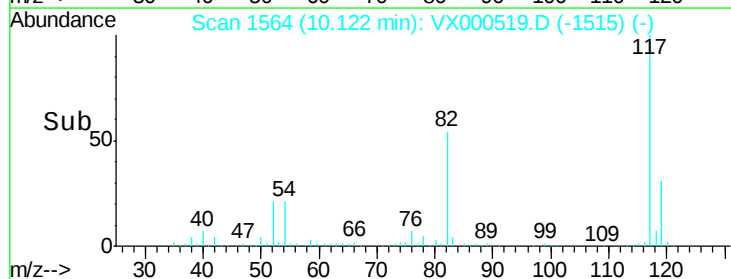
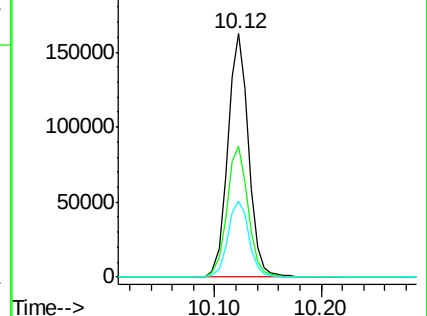
119 31.1 24.9 37.3

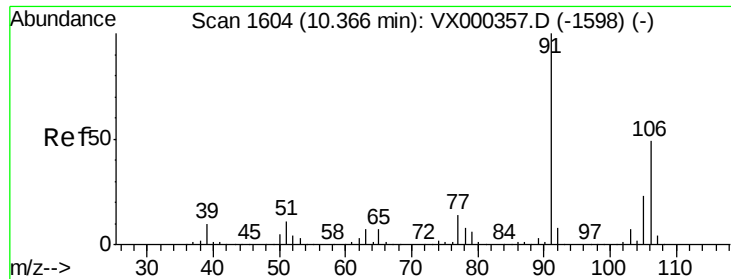


Abundance Ion 116.90 (116.60 to 117.60): VX000519.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000519.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000519.D (-1515) (-)

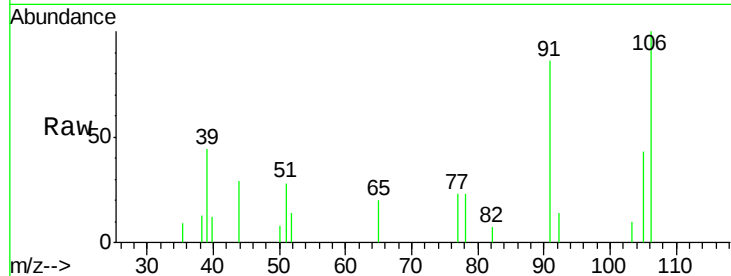




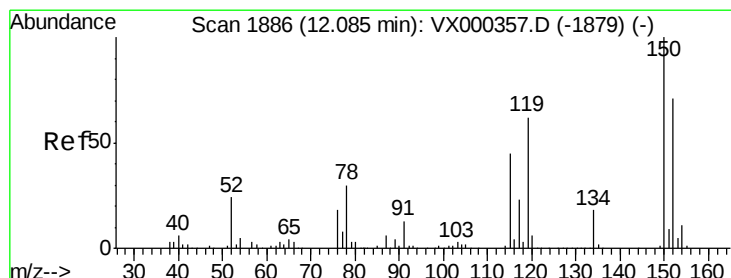
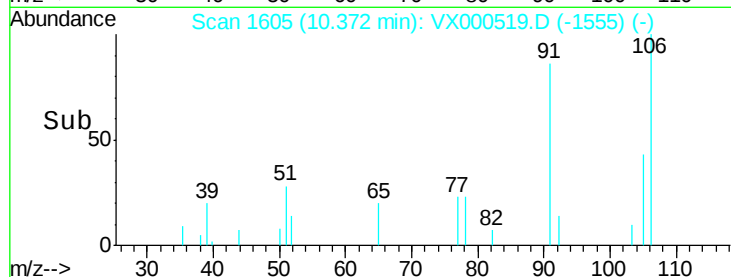
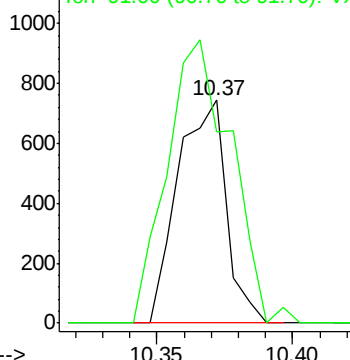
#68
m/p-Xylenes
Concen: 0.28 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000519.D
Acq: 29 Mar 2018 18:06

Instrument :
MSVOA_X
ClientSampled :
MW-9

Tgt Ion:106 Resp: 916
Ion Ratio Lower Upper
106 100
91 167.7 163.4 245.2

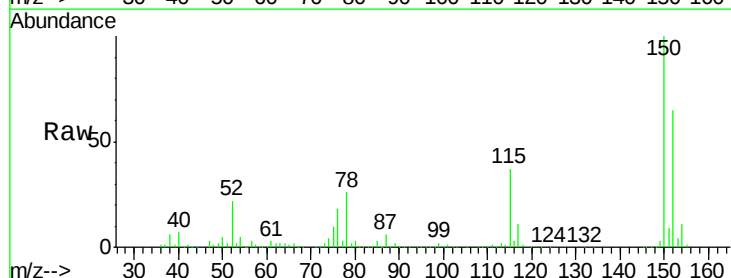


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

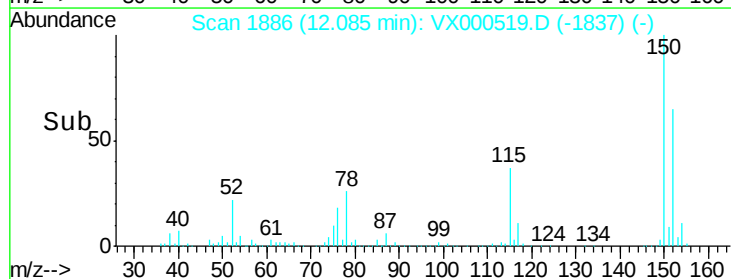
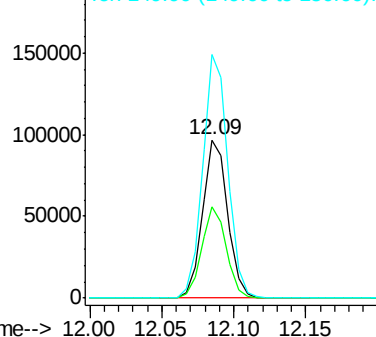


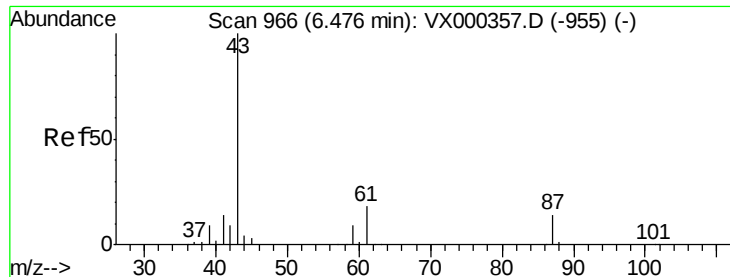
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000519.D
Acq: 29 Mar 2018 18:06

Tgt Ion:152 Resp: 118211
Ion Ratio Lower Upper
152 100
115 56.5 39.8 119.3
150 153.9 0.0 344.4



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: 6.29 min Scan# 935

Delta R.T. -0.19 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

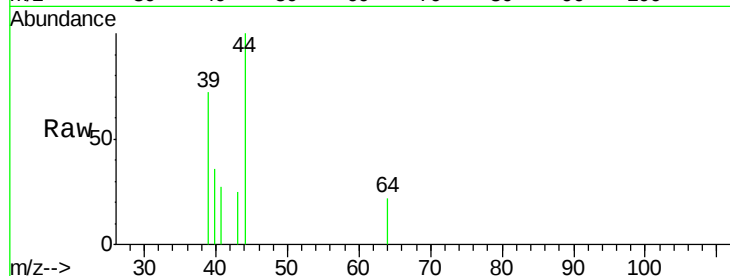
Instrument :

MSVOA_X

ClientSampleId :

MW-9

Tgt Ion:	43	Resp:	21
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#

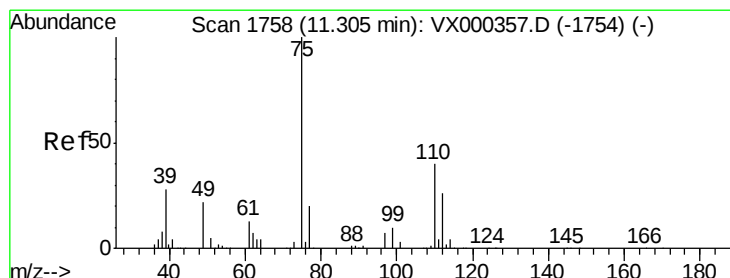
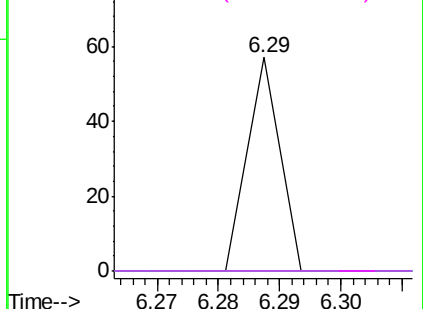
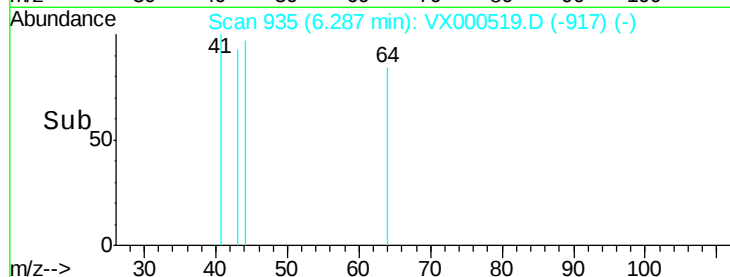


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 22.59 ug/l

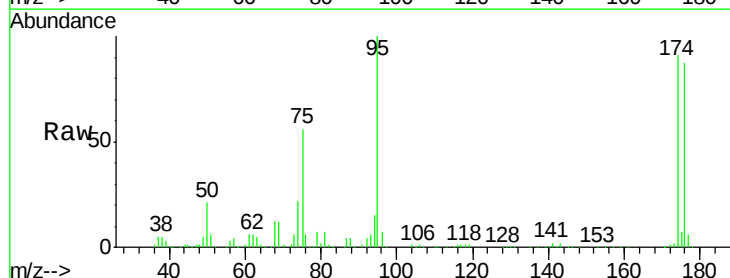
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000519.D

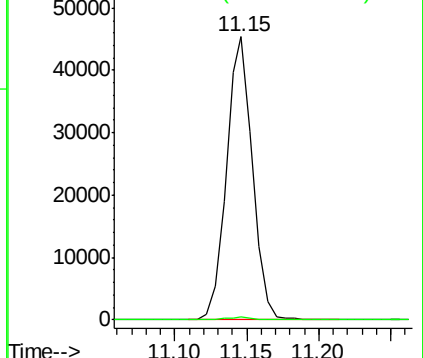
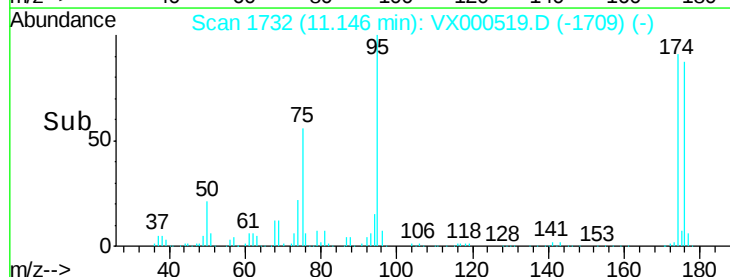
Acq: 29 Mar 2018 18:06

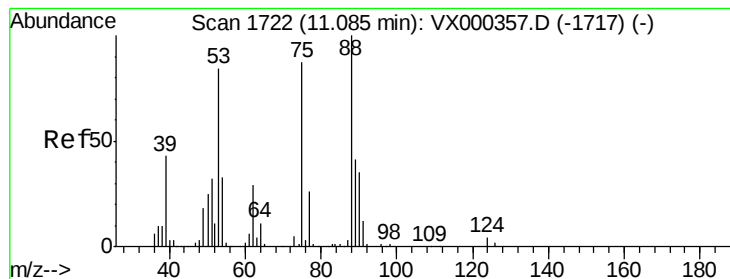
Tgt Ion:	75	Resp:	57394
Ion	Ratio	Lower	Upper
75	100		
77	0.9	21.4	64.2#



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: 73.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000519.D

Acq: 29 Mar 2018 18:06

Instrument :

MSVOA_X

ClientSampleId :

MW-9

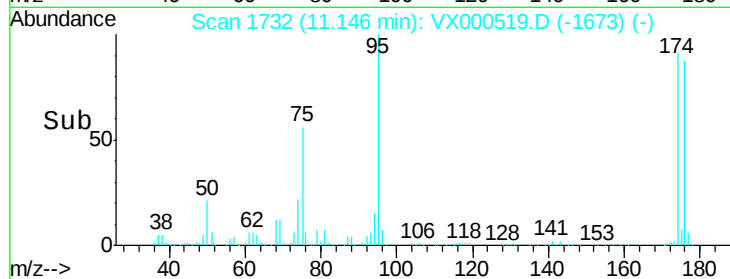
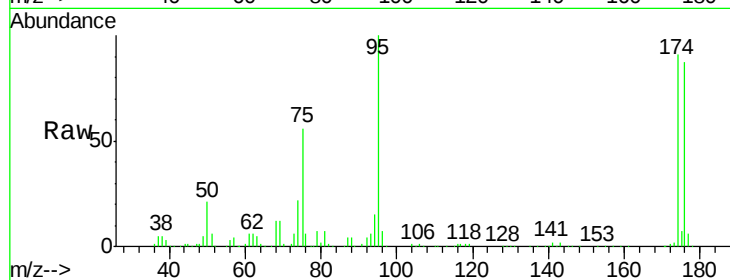
Tgt Ion: 75 Resp: 57394

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.2 39.4 59.0#



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

