

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008665.D
 Acq On : 05 Apr 2019 03:22
 Operator : JC/SP
 Sample : K2274-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW024-190403

Quant Time: Apr 05 07:15:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	217391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	152022	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	5.50	113	111448	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	8.71	98	456584	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.13	95	153925	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

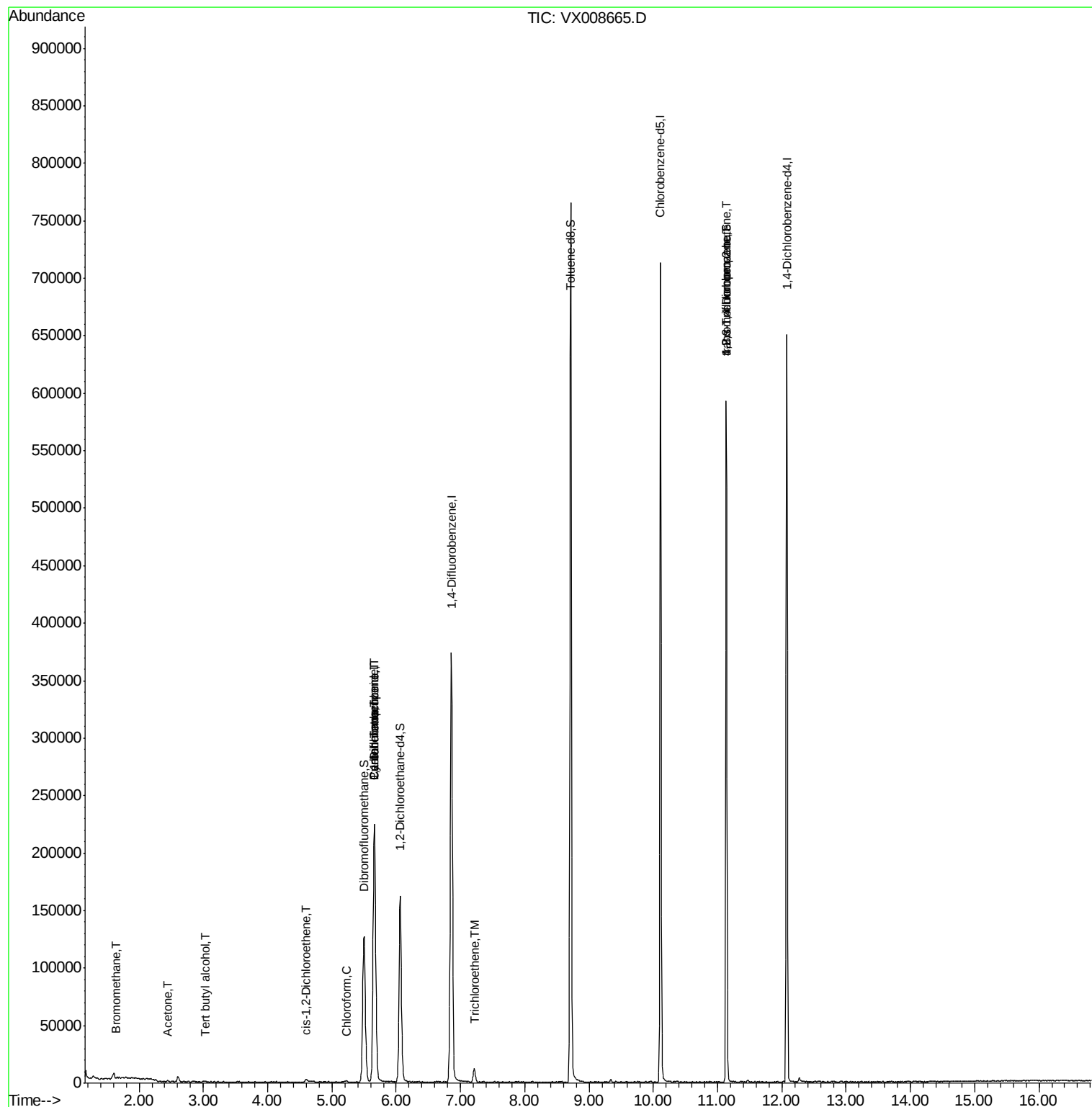
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	393	Below Cal		92
5) Bromomethane	1.64	94	245	2.027 ug/l		95
6) Chloroethane	1.70	64	2476	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	808	1.088 ug/l	#	87
16) Acetone	2.45	43	1110	0.608 ug/l	#	79
17) Carbon Disulfide	2.57	76	550	Below Cal	#	65
27) cis-1,2-Dichloroethene	4.60	96	1161	0.371 ug/l		93
28) Bromochloromethane	5.00	49	19	Below Cal	#	22
30) Chloroform	5.21	83	1266	0.258 ug/l		90
31) Cyclohexane	5.66	56	5118	0.934 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	18115	4.531 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	20860	6.304 ug/l	#	17
44) Trichloroethene	7.21	130	4549	1.640 ug/l		99
76) 1,2,3-Trichloropropane	11.13	75	79493	21.576 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	79493	59.475 ug/l	#	9

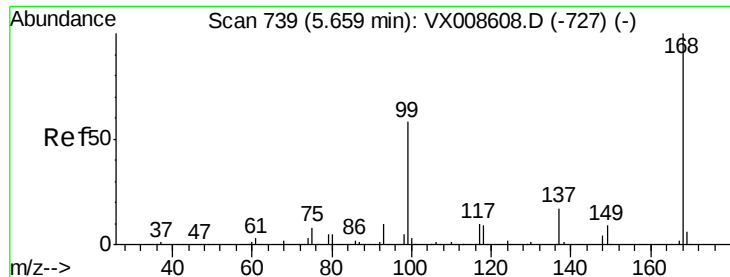
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

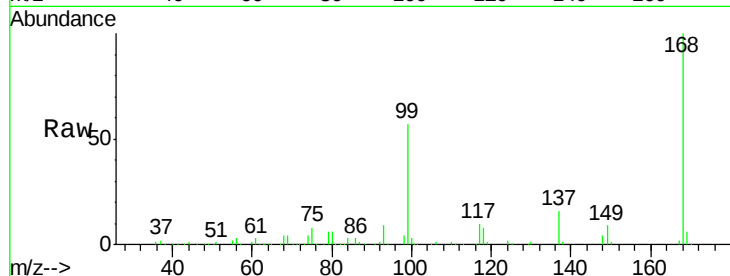
ST006MW024-190403

Tgt Ion:168 Resp: 217391

Ion Ratio Lower Upper

168 100

99 56.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

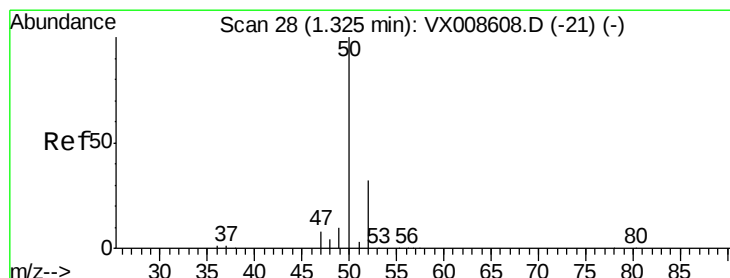
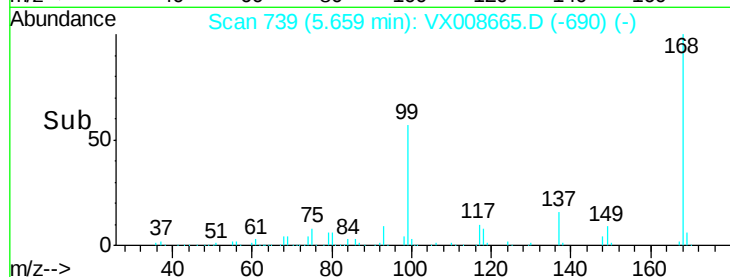
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008665.D

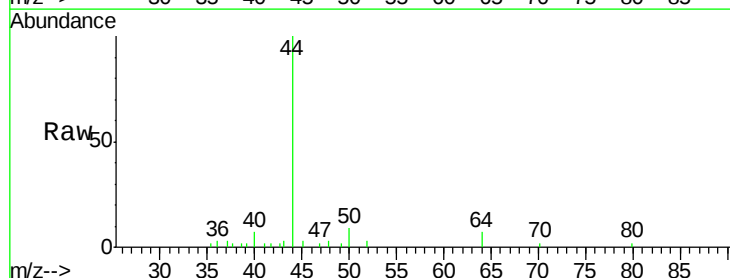
Acq: 05 Apr 2019 03:22

Tgt Ion: 50 Resp: 393

Ion Ratio Lower Upper

50 100

52 37.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

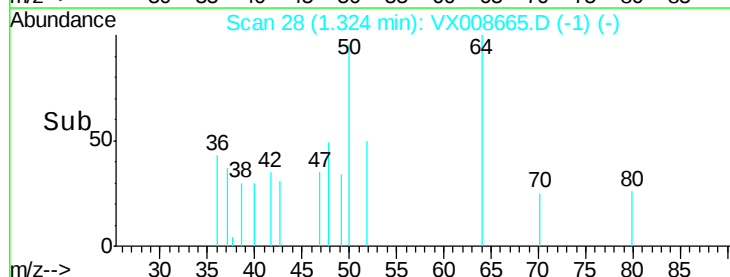
150

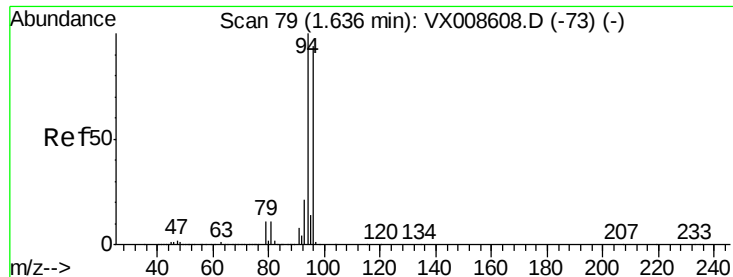
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.027 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

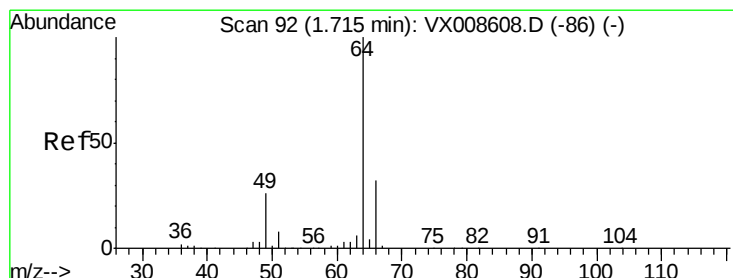
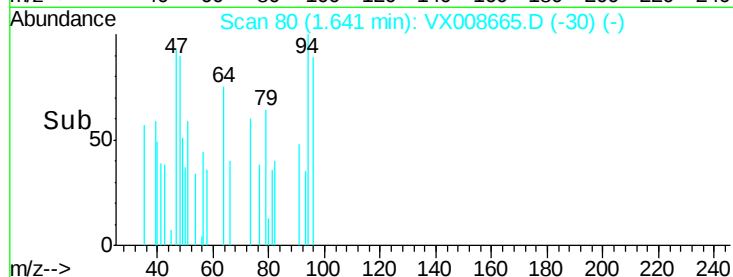
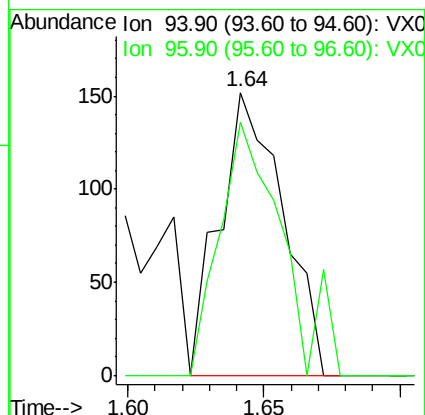
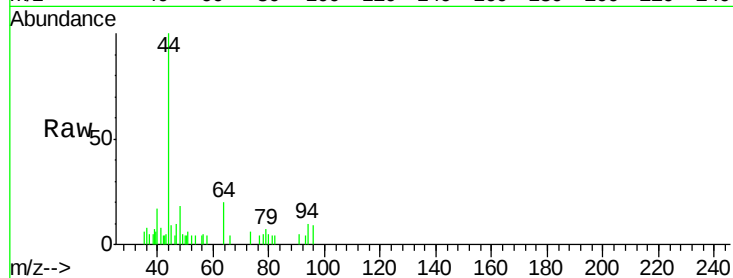
ST006MW024-190403

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 89.5 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008665.D

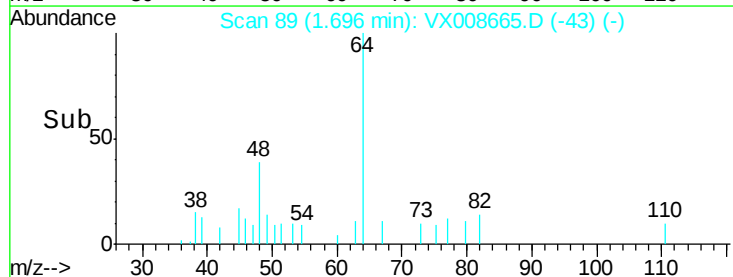
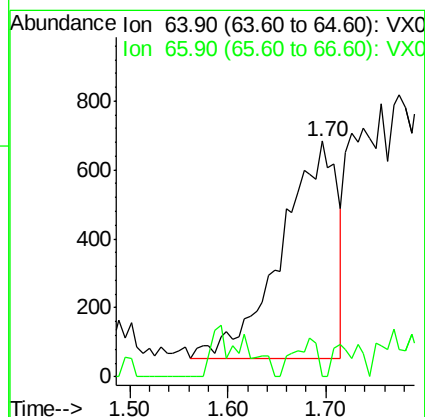
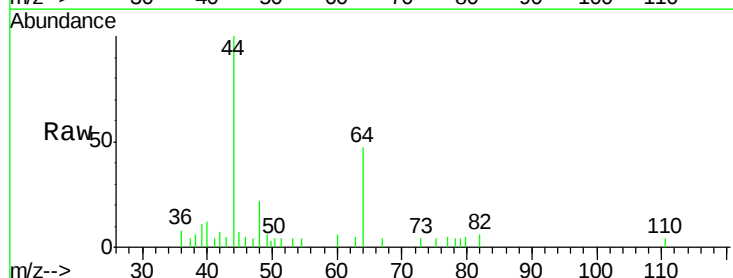
Acq: 05 Apr 2019 03:22

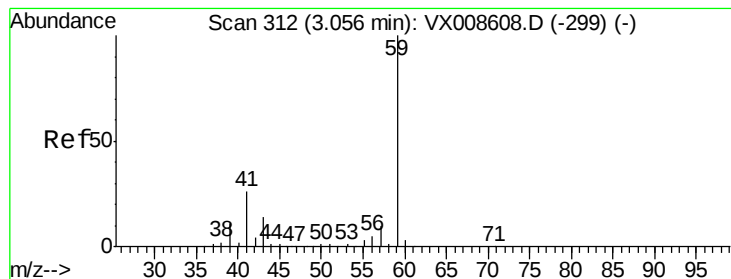
Tgt Ion: 64 Resp: 2476

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



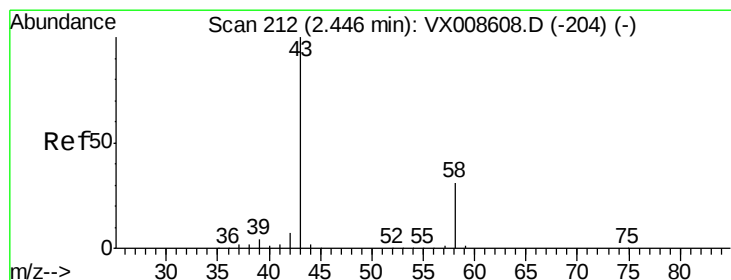
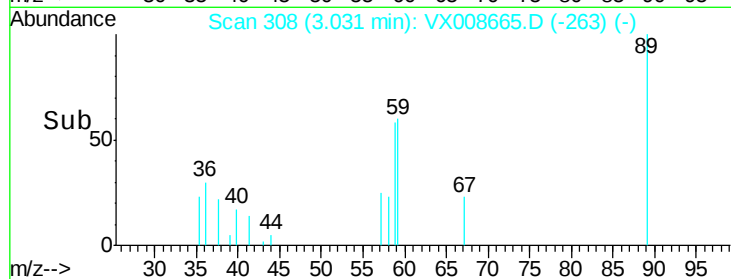
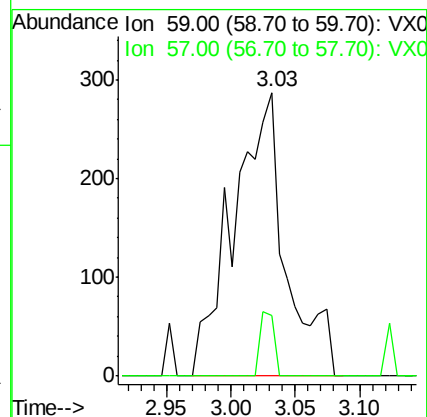
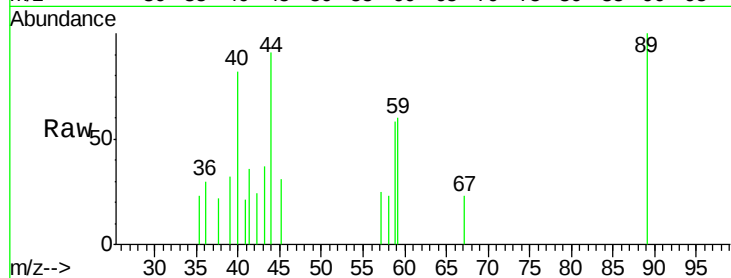


#11

Tert butyl alcohol
 Concen: 1.088 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX008665.D
 Acq: 05 Apr 2019 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW024-190403

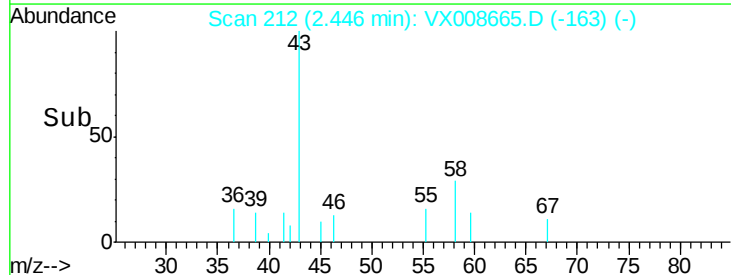
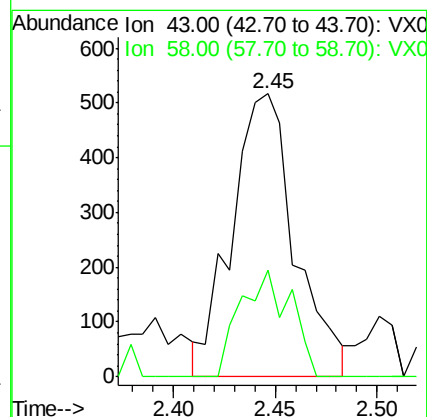
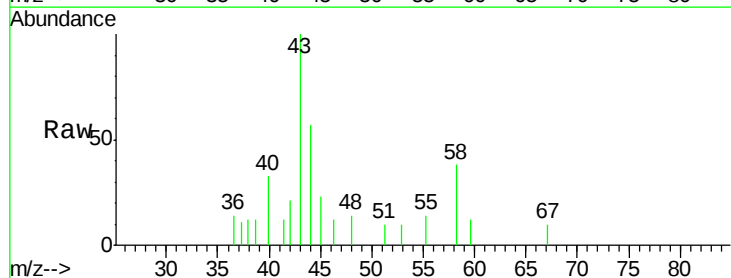
Tgt Ion: 59 Resp: 808
 Ion Ratio Lower Upper
 59 100
 57 5.7 8.3 12.5#

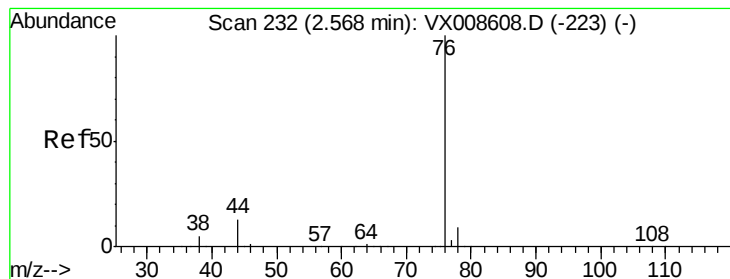


#16

Acetone
 Concen: 0.608 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX008665.D
 Acq: 05 Apr 2019 03:22

Tgt Ion: 43 Resp: 1110
 Ion Ratio Lower Upper
 43 100
 58 42.4 24.8 37.2#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

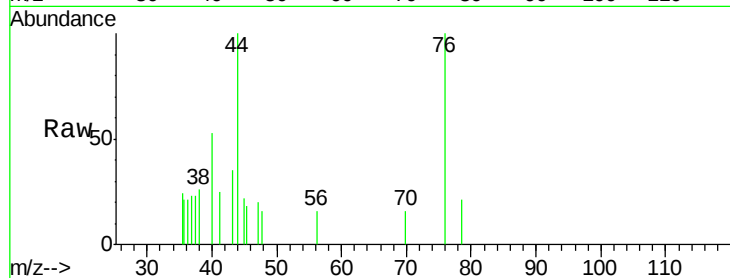
ST006MW024-190403

Tgt Ion: 76 Resp: 550

Ion Ratio Lower Upper

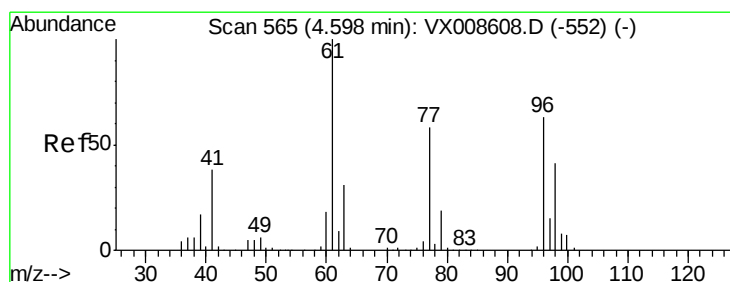
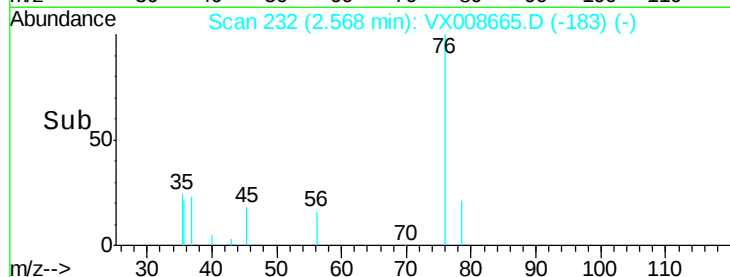
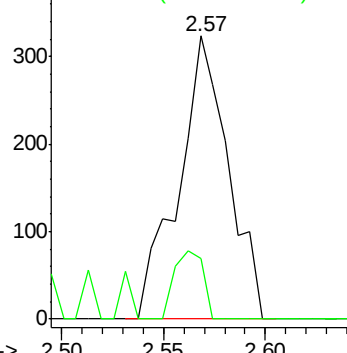
76 100

78 21.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.371 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

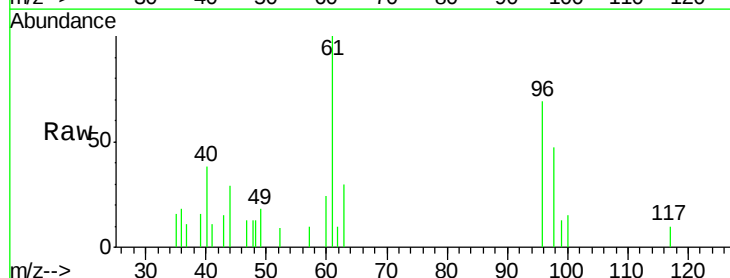
Tgt Ion: 96 Resp: 1161

Ion Ratio Lower Upper

96 100

61 152.1 0.0 327.6

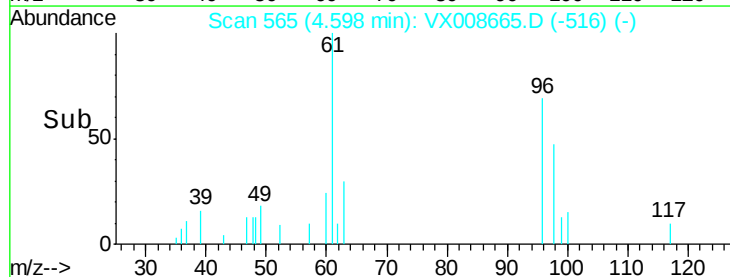
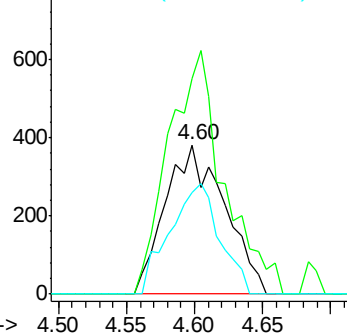
98 62.3 0.0 128.6

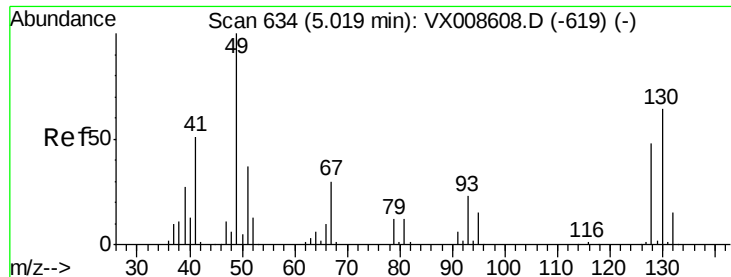


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

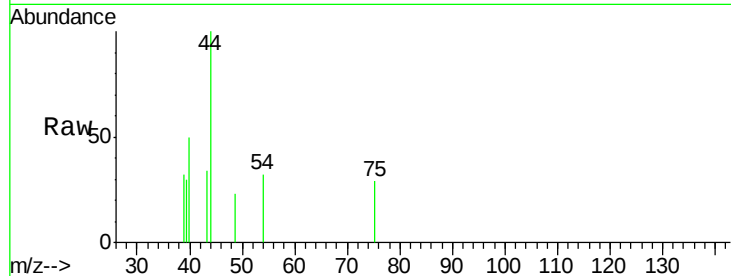
Delta R.T. -0.02 min

Lab File: VX008665.D

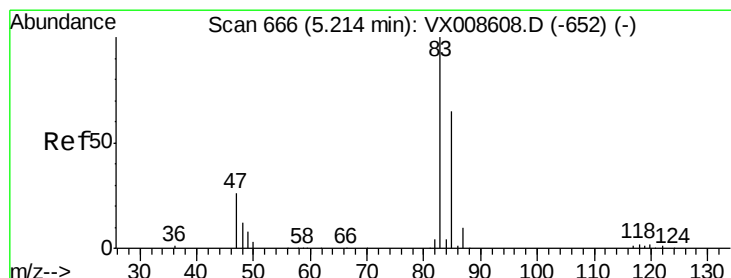
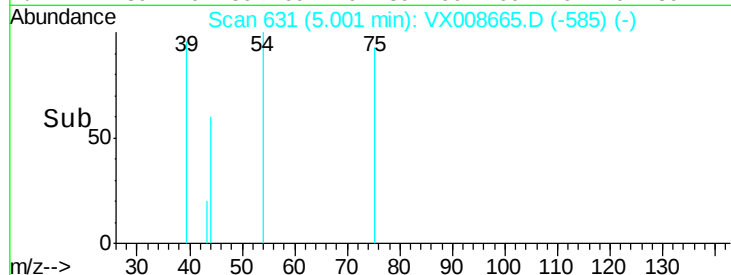
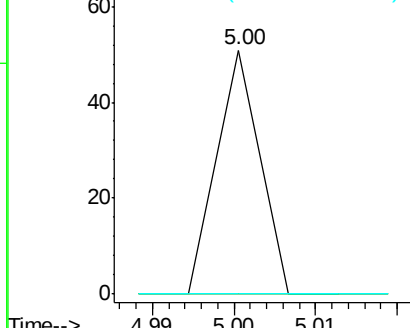
Acq: 05 Apr 2019 03:22

Instrument :
MSVOA_X
ClientSampleId :
ST006MW024-190403

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.258 ug/l

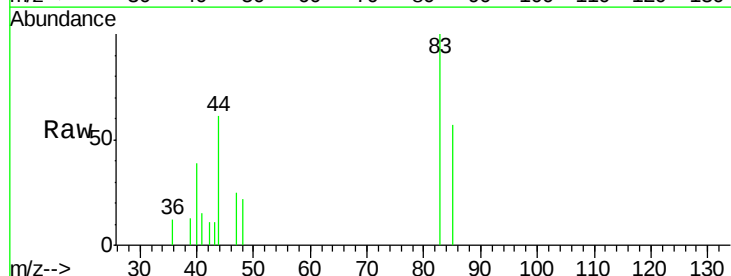
RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

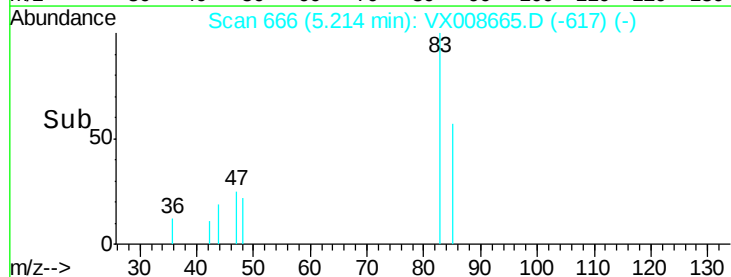
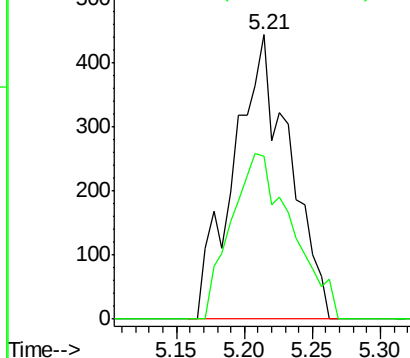
Lab File: VX008665.D

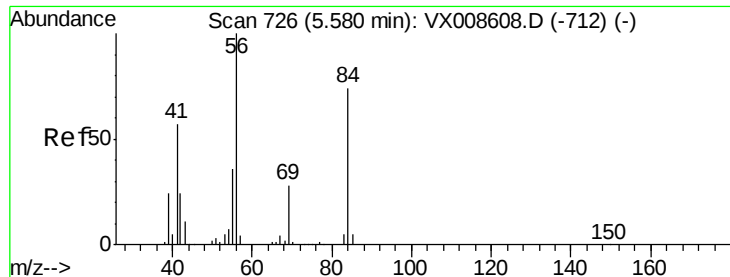
Acq: 05 Apr 2019 03:22

Tgt Ion: 83 Resp: 1266
Ion Ratio Lower Upper
83 100
85 57.4 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

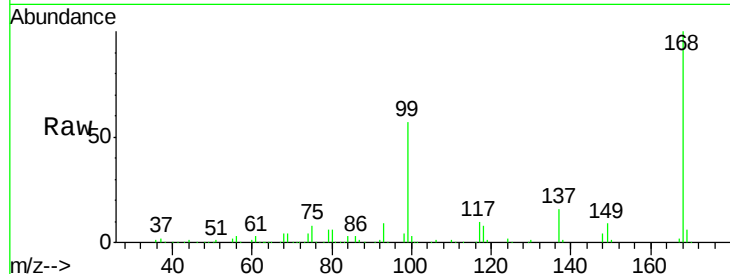




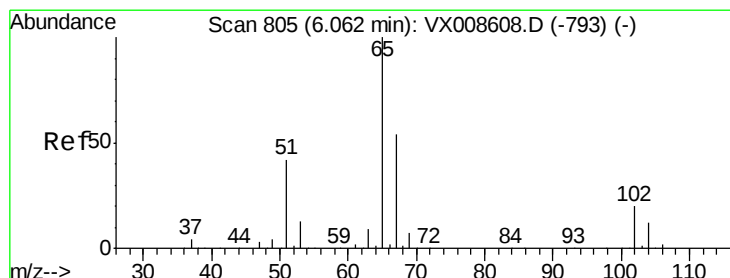
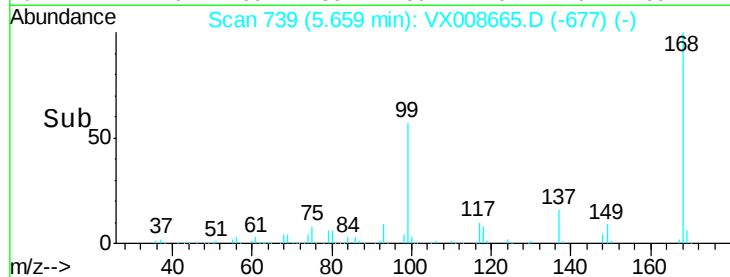
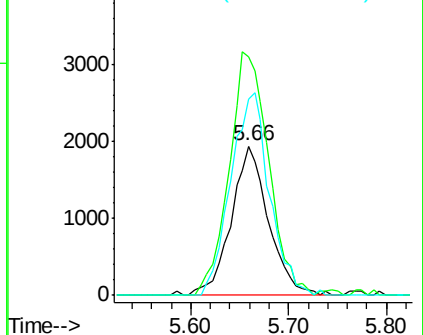
#31
Cyclohexane
Concen: 0.934 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008665.D
Acq: 05 Apr 2019 03:22

Instrument :
MSVOA_X
ClientSampleId :
ST006MW024-190403

Tgt Ion: 56 Resp: 5118
Ion Ratio Lower Upper
56 100
69 160.4 22.6 33.8#
84 131.4 59.3 88.9#

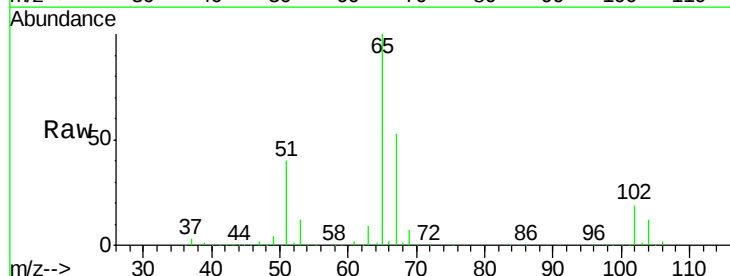


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

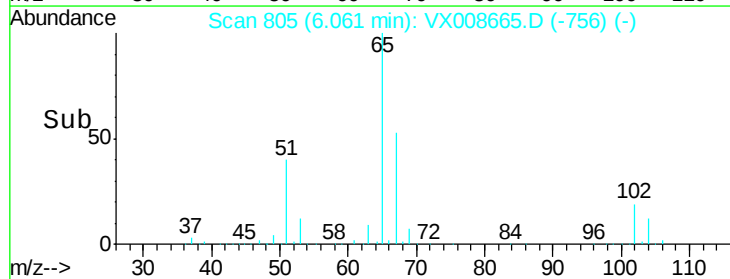
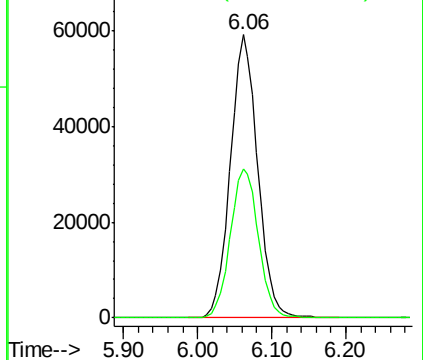


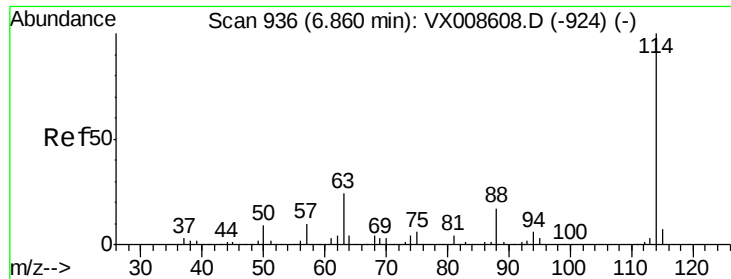
#33
1,2-Dichloroethane-d4
Concen: 47.945 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008665.D
Acq: 05 Apr 2019 03:22

Tgt Ion: 65 Resp: 152022
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

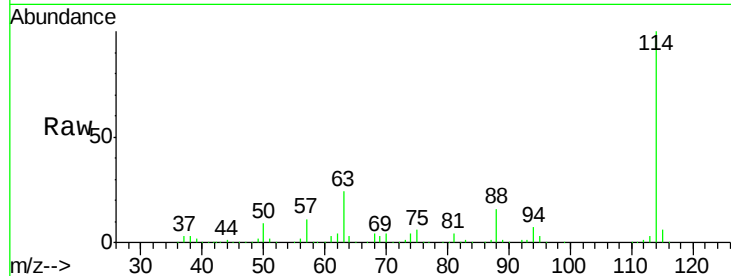




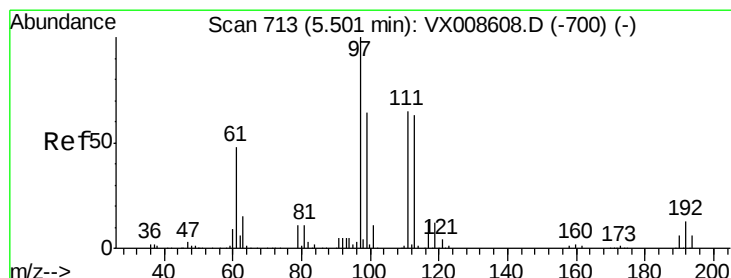
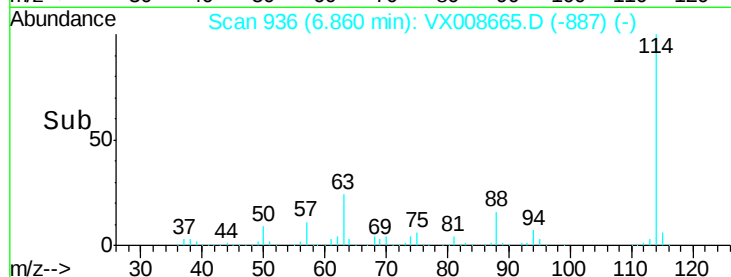
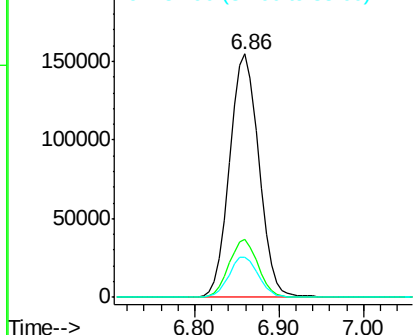
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008665.D
 Acq: 05 Apr 2019 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW024-190403

Tgt Ion:114 Resp: 365758
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 47.2
 88 16.3 0.0 34.0

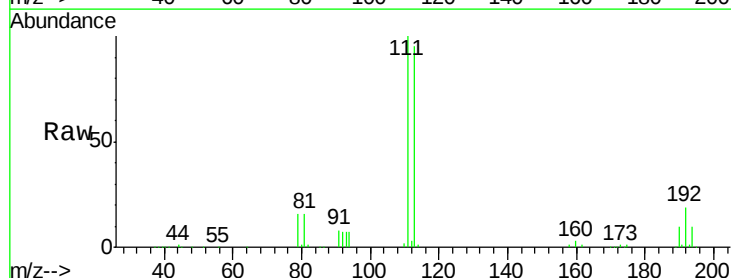


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

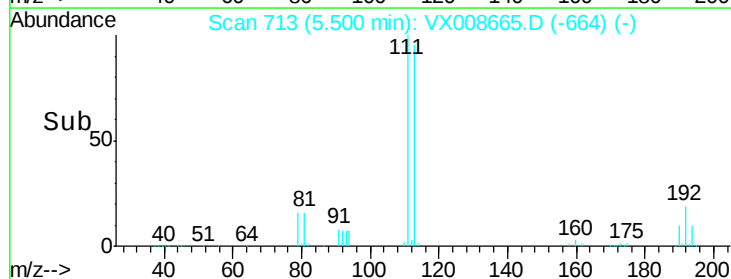
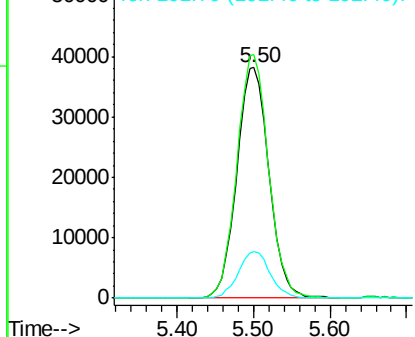


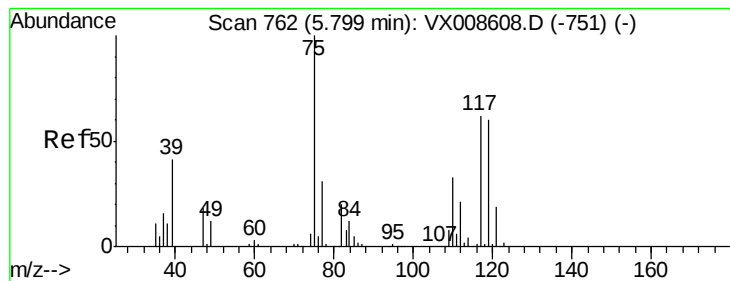
#35
 Dibromofluoromethane
 Concen: 47.658 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008665.D
 Acq: 05 Apr 2019 03:22

Tgt Ion:113 Resp: 111448
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.2
 192 20.1 16.1 24.1



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: 4.531 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-190403

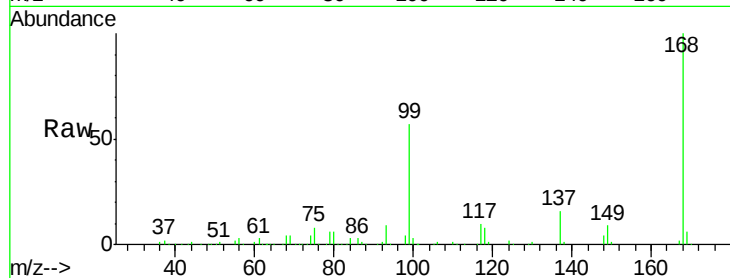
Tgt Ion: 75 Resp: 18115

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.2#

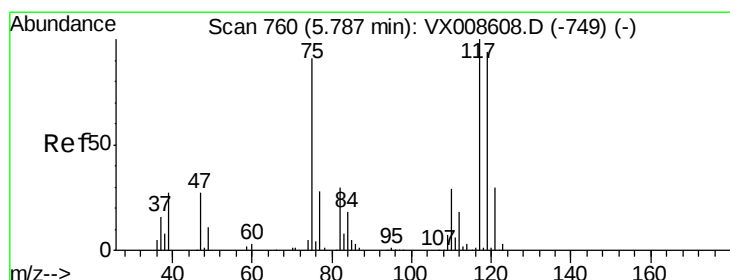
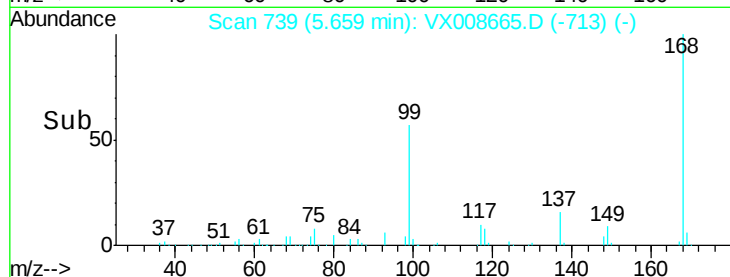
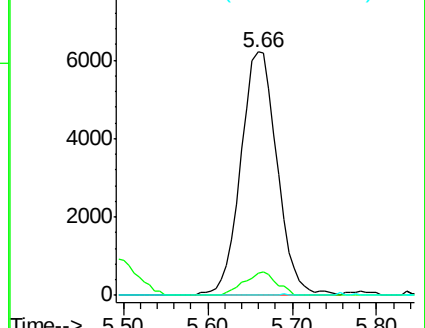
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

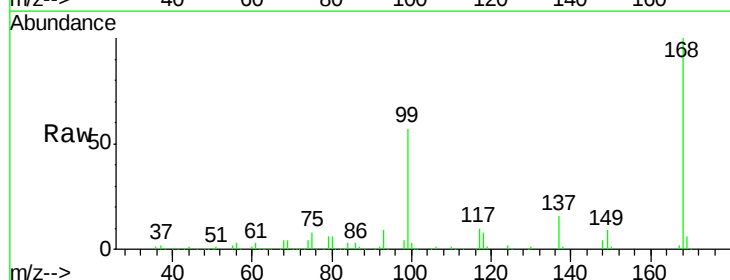
Tgt Ion: 117 Resp: 20860

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

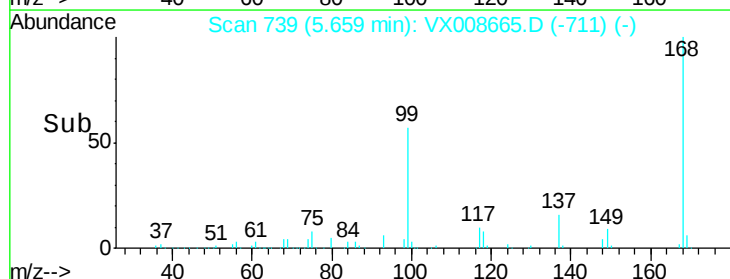
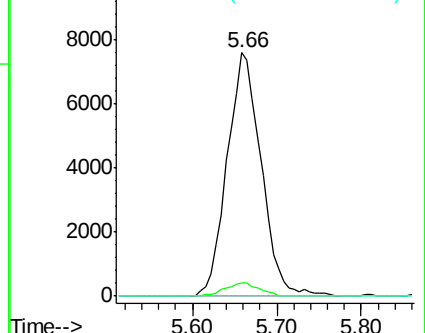
121 0.0 24.3 36.5#

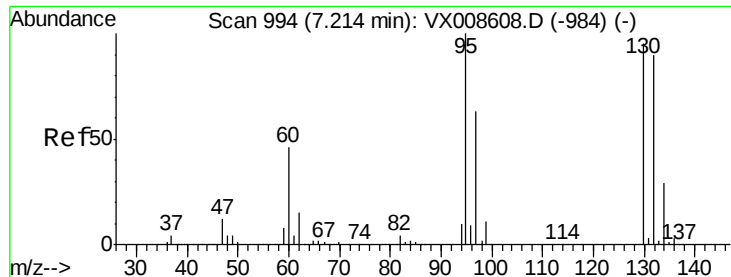


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.640 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

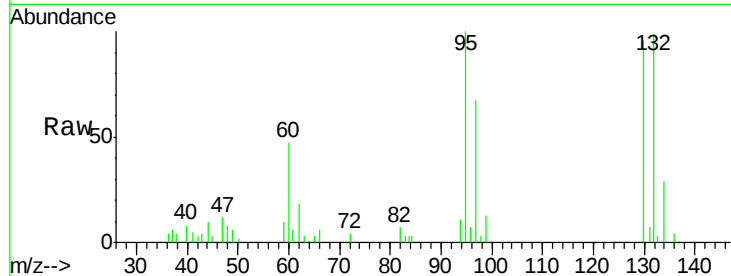
ST006MW024-190403

Tgt Ion:130 Resp: 4549

Ion Ratio Lower Upper

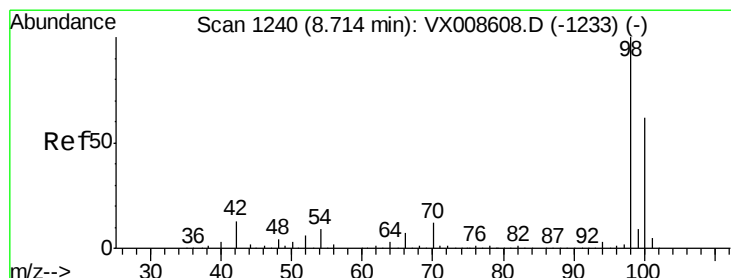
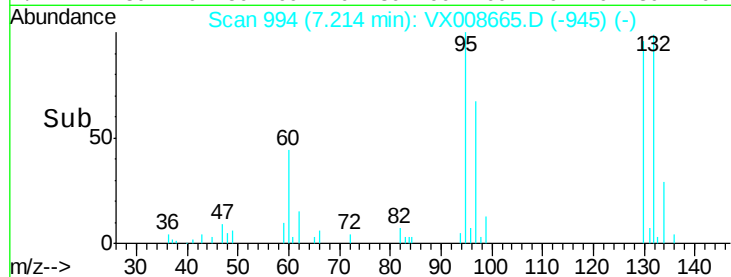
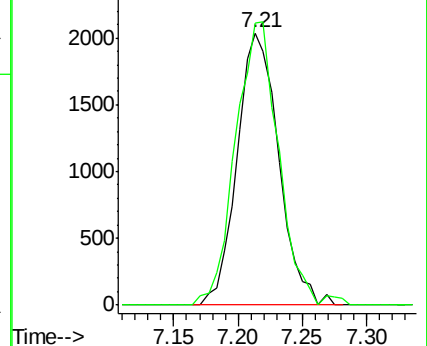
130 100

95 103.6 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.035 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008665.D

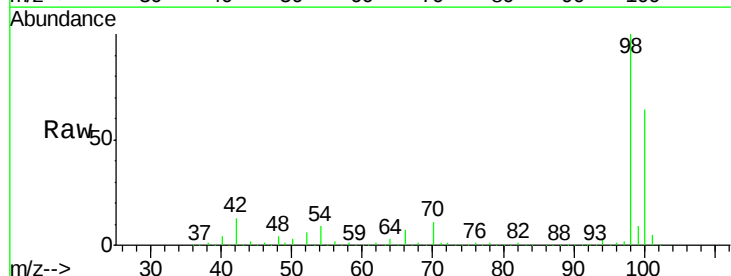
Acq: 05 Apr 2019 03:22

Tgt Ion: 98 Resp: 456584

Ion Ratio Lower Upper

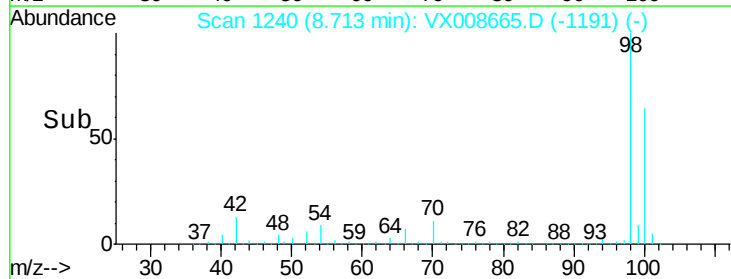
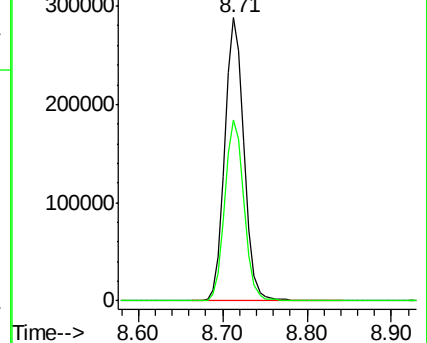
98 100

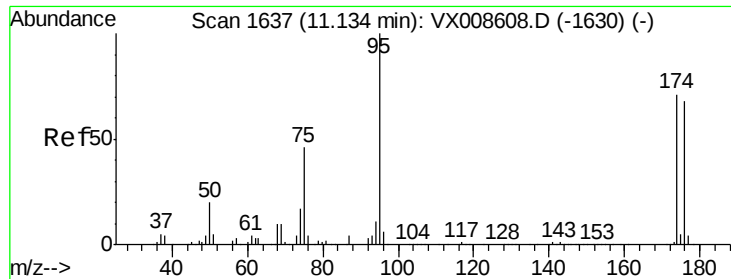
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

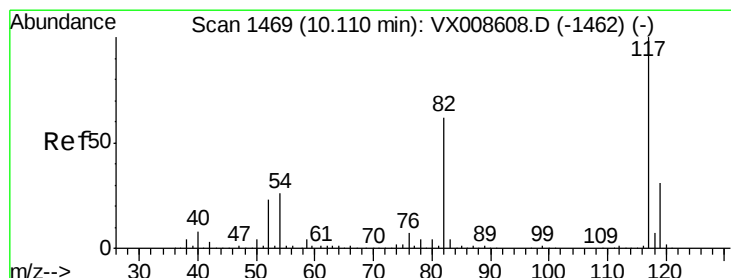
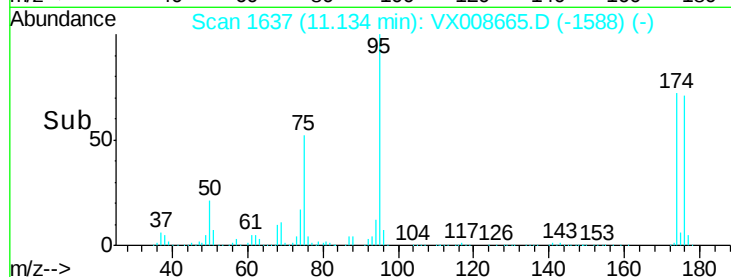
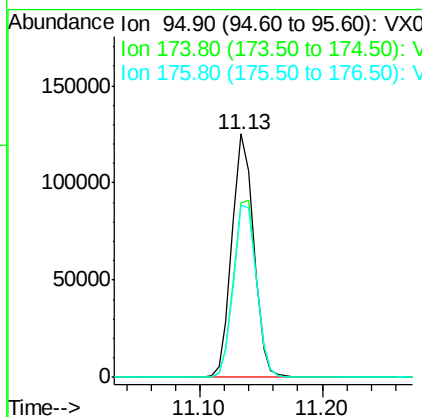
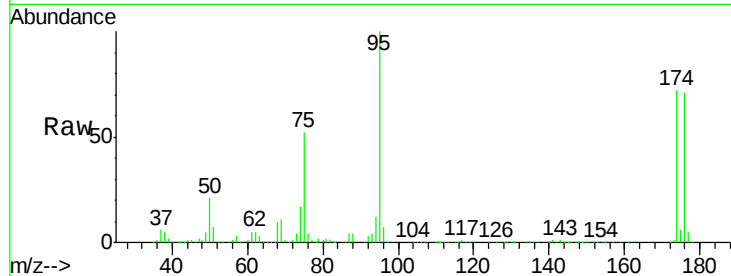




#62
4-Bromofluorobenzene
Concen: 46.616 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008665.D
Acq: 05 Apr 2019 03:22

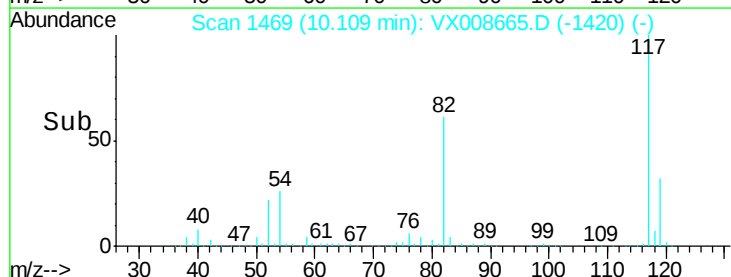
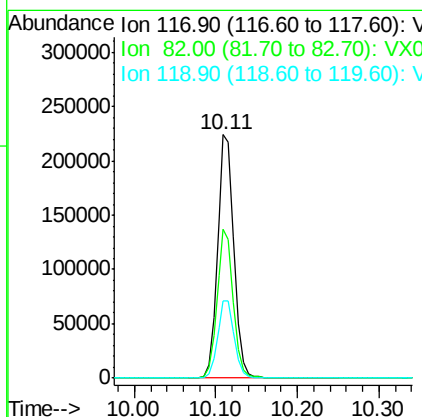
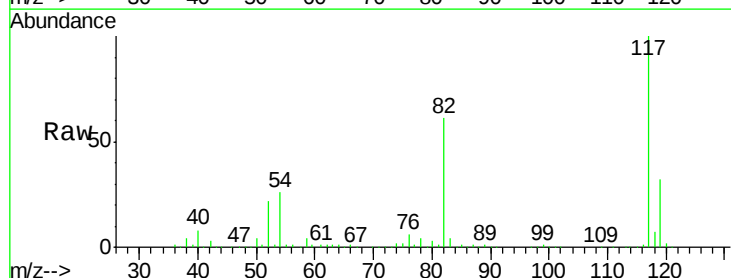
Instrument :
MSVOA_X
ClientSampleId :
ST006MW024-190403

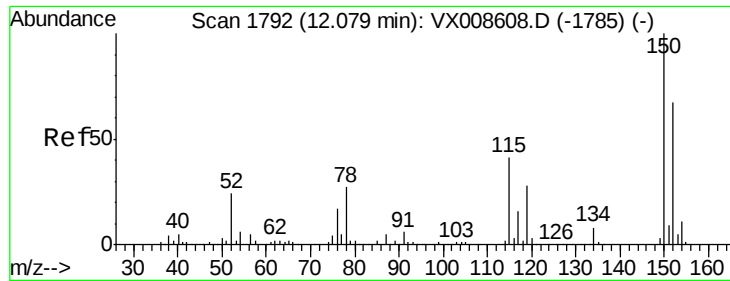
Tgt Ion: 95 Resp: 153925
Ion Ratio Lower Upper
95 100
174 76.8 0.0 151.8
176 74.3 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008665.D
Acq: 05 Apr 2019 03:22

Tgt Ion: 117 Resp: 316336
Ion Ratio Lower Upper
117 100
82 61.3 49.6 74.4
119 31.9 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008665.D

Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-190403

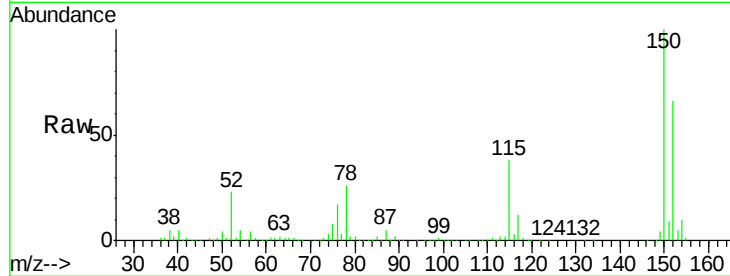
Tgt Ion: 152 Resp: 134117

Ion Ratio Lower Upper

152 100

115 60.0 43.5 130.5

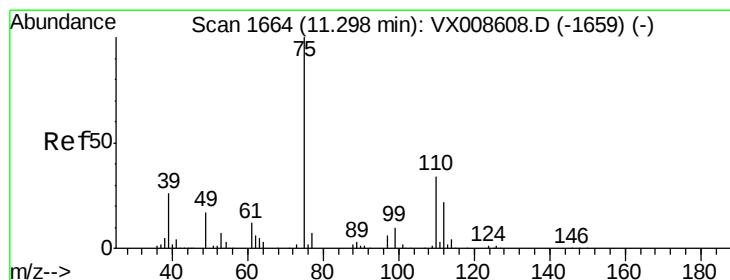
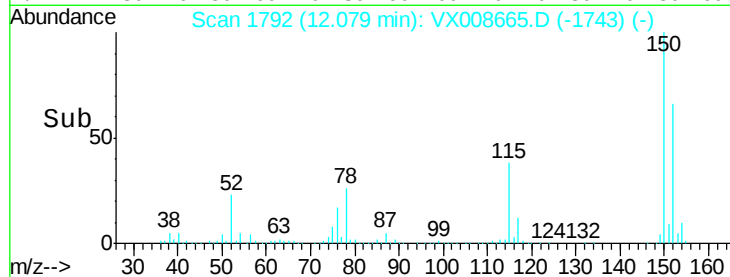
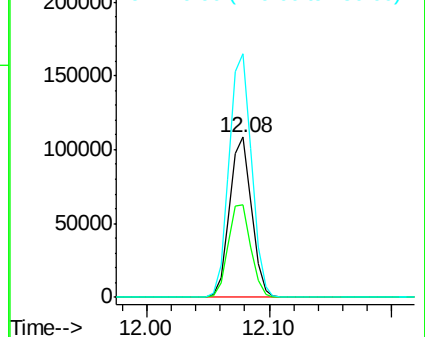
150 155.2 0.0 348.8



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: 21.576 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008665.D

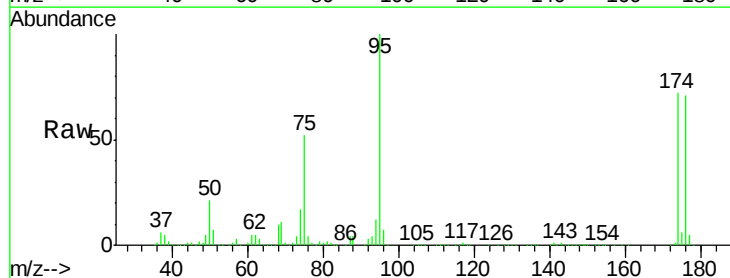
Acq: 05 Apr 2019 03:22

Tgt Ion: 75 Resp: 79493

Ion Ratio Lower Upper

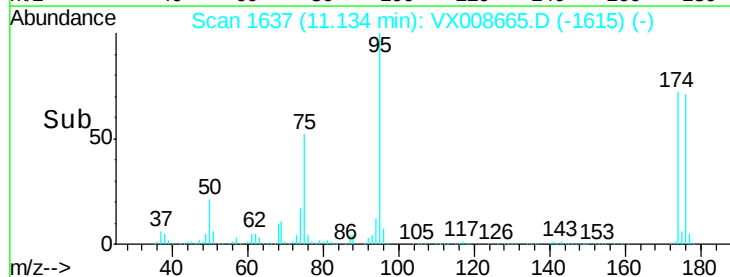
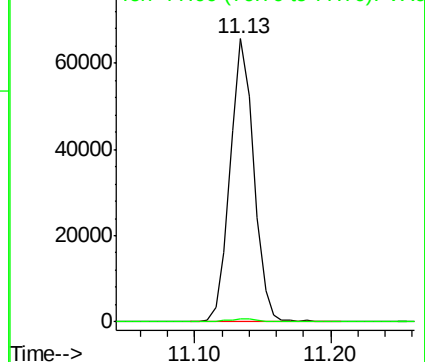
75 100

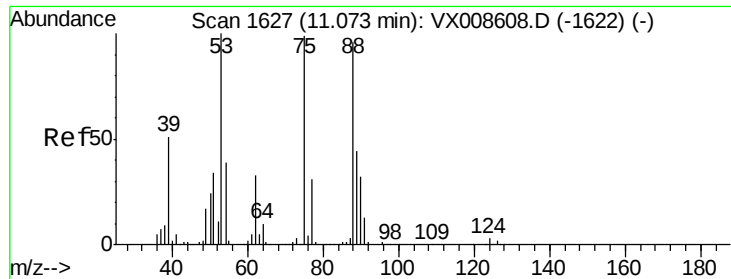
77 1.3 22.3 66.8#



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: 59.475 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008665.D

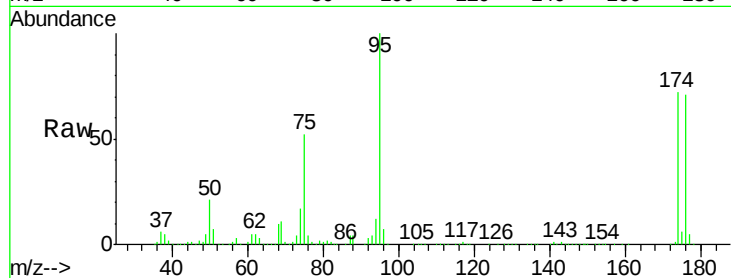
Acq: 05 Apr 2019 03:22

Instrument :

MSVOA_X

ClientSampleId :

ST006MW024-190403



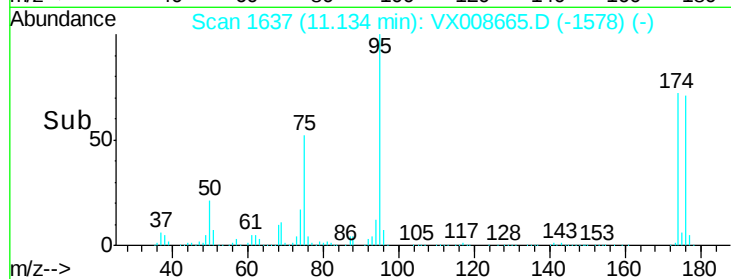
Tgt Ion: 75 Resp: 79493

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

