

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007184.D
 Acq On : 22 Jan 2019 16:22
 Operator : JC/SP
 Sample : K1214-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW525-2327

Quant Time: Jan 23 00:05:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	508700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	799168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	745165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374709	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	280201	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
35) Dibromofluoromethane	5.50	113	246598	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	958724	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.13	95	344168	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	

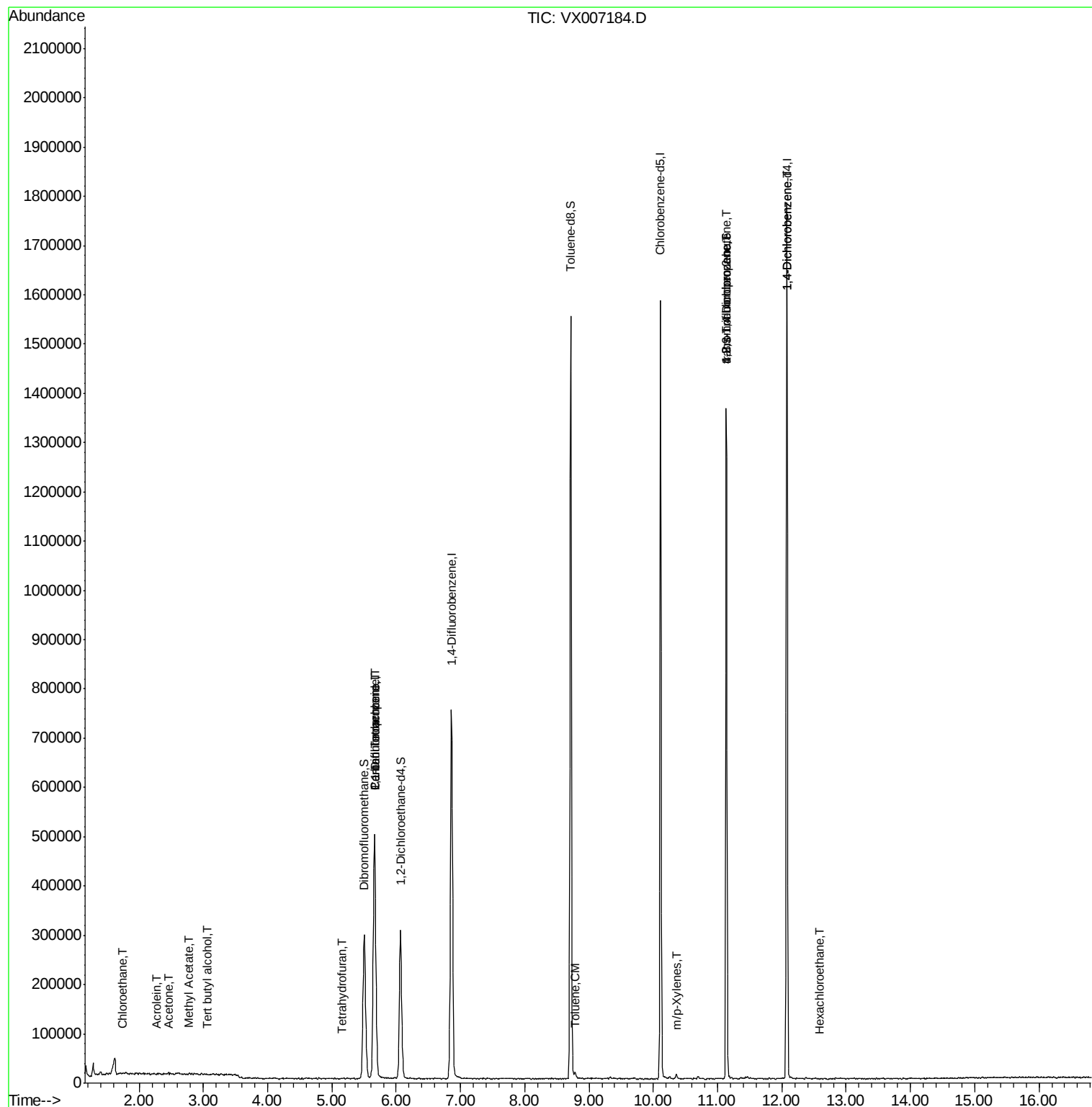
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1525	0.418	ug/l #	42
11) Tert butyl alcohol	3.06	59	368	0.293	ug/l #	72
13) Acrolein	2.27	56	474	3.950	ug/l #	46
16) Acetone	2.45	43	2588	0.985	ug/l #	85
18) Methyl Acetate	2.78	43	2090	0.275	ug/l #	61
20) Methylene Chloride	2.85	84	1318	Below Cal	#	48
29) Tetrahydrofuran	5.15	42	553	0.226	ug/l #	40
36) 1,1-Dichloropropene	5.66	75	32394	4.662	ug/l #	50
38) Carbon Tetrachloride	5.67	117	46128	6.599	ug/l #	15
49) 1,4-Dioxane	7.77	88	161	Below Cal	#	1
52) Toluene	8.78	92	3194	0.234	ug/l	94
68) m/p-Xylenes	10.36	106	2719	0.257	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	166740	21.959	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	166740	65.038	ug/l #	10
88) 1,4-Dichlorobenzene	12.07	146	1110	0.234	ug/l #	1
90) Hexachloroethane	12.58	117	19	2.913	ug/l	62

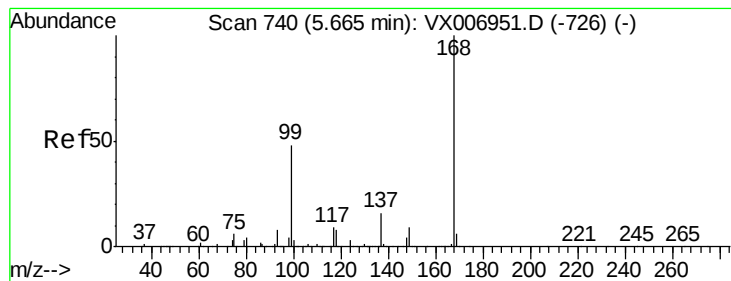
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

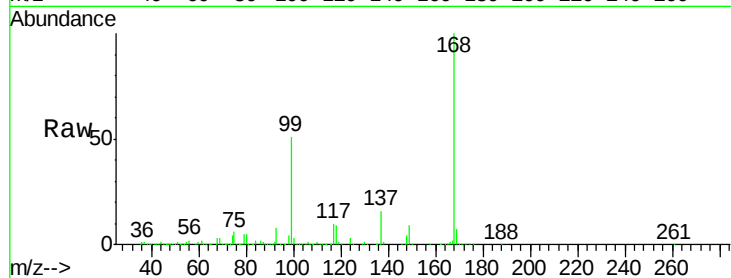
SA-TW525-2327

Tot Ion:168 Resp: 508700

Ion Ratio Lower Upper

168 100

99 51.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

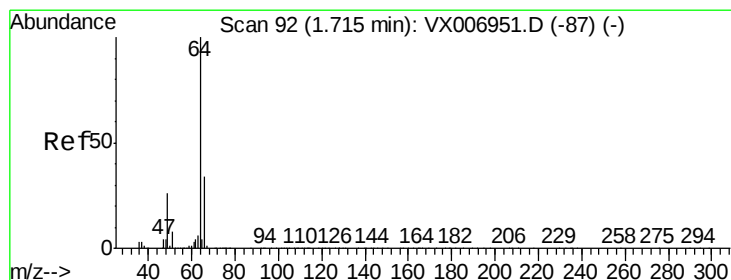
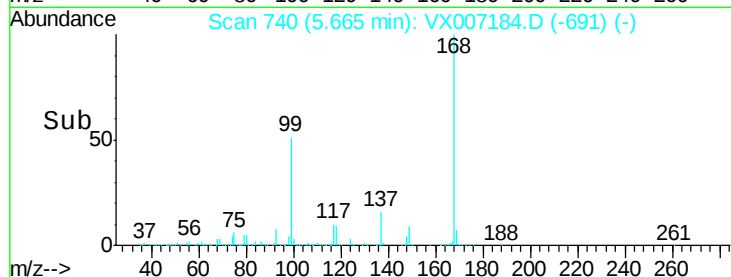
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.418 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX007184.D

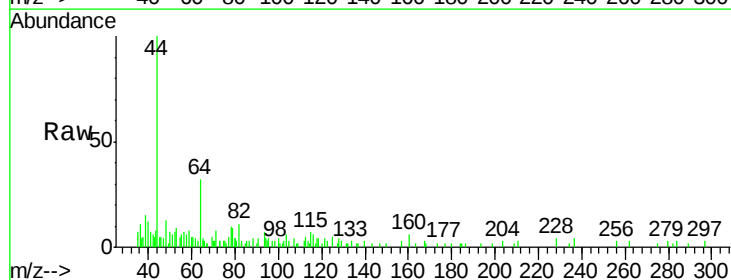
Acq: 22 Jan 2019 16:22

Tgt Ion: 64 Resp: 1525

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

1000

800

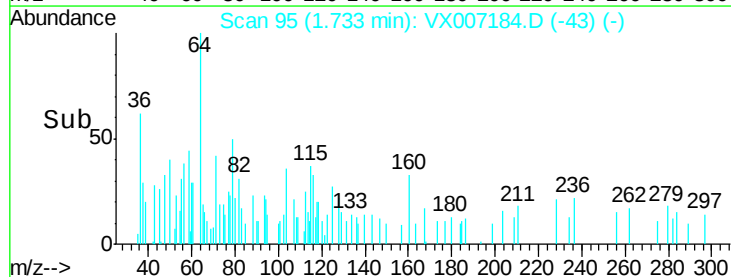
600

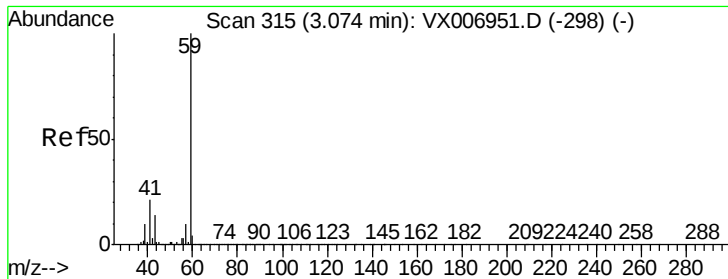
400

200

0

Time--> 1.65 1.70 1.75



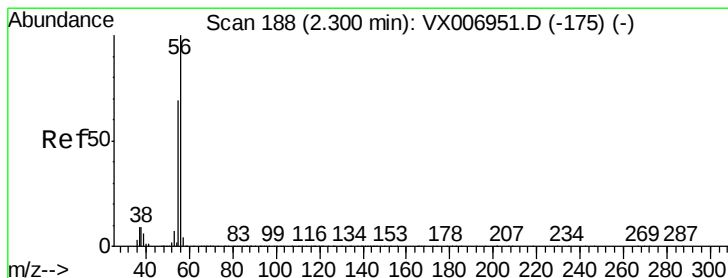
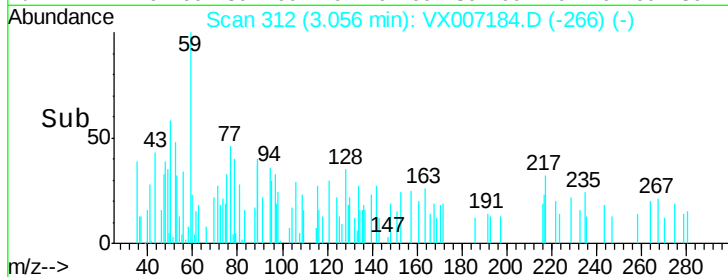
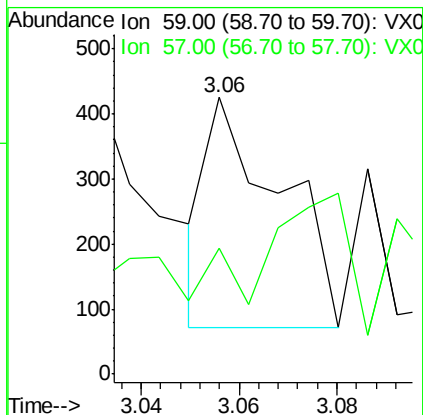
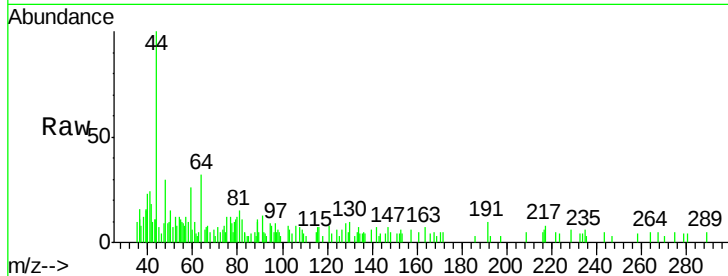


#11

Tert butyl alcohol
Concen: 0.293 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX007184.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-2327

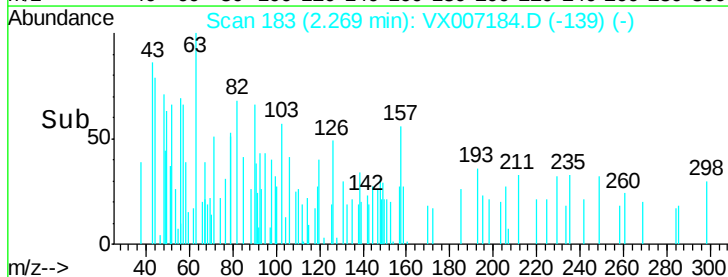
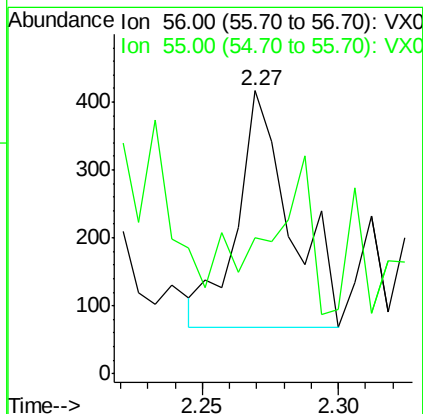
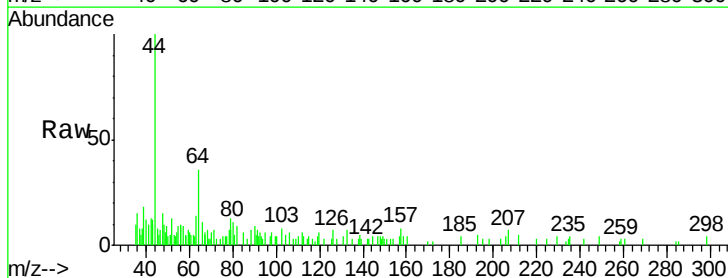
Tot Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

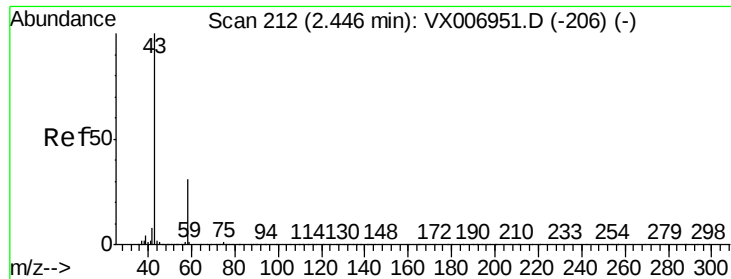


#13

Acrolein
Concen: 3.950 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.03 min
Lab File: VX007184.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 56 Resp: 474
Ion Ratio Lower Upper
56 100
55 27.8 58.2 87.4#

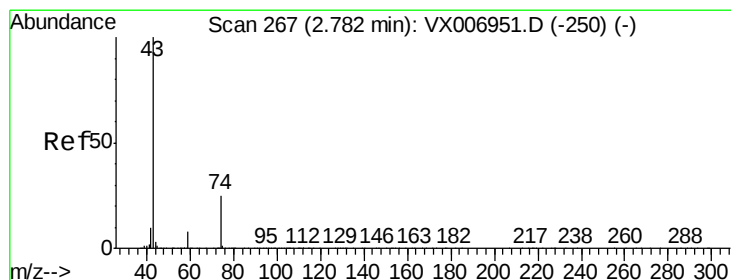
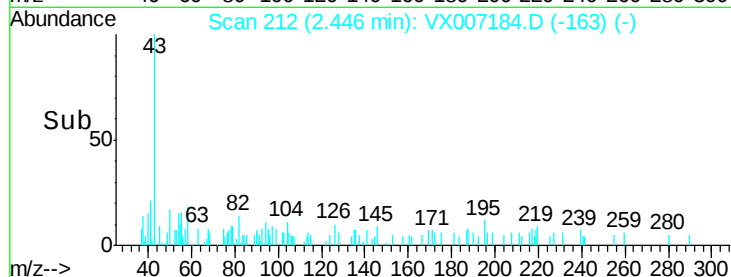
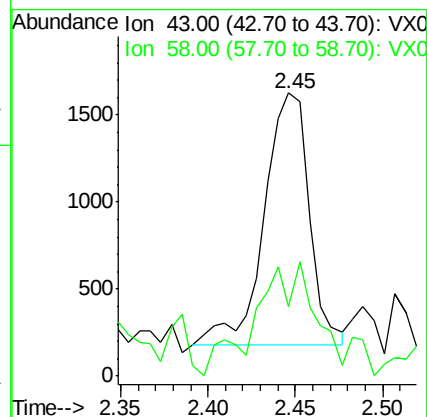
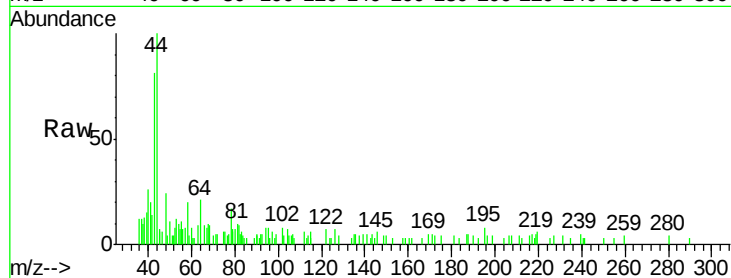




#16
Acetone
Concen: 0.985 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007184.D
Acq: 22 Jan 2019 16:22

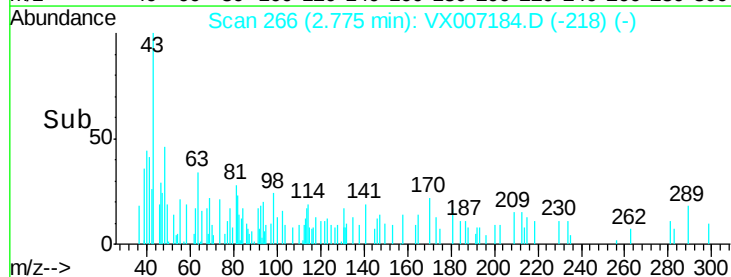
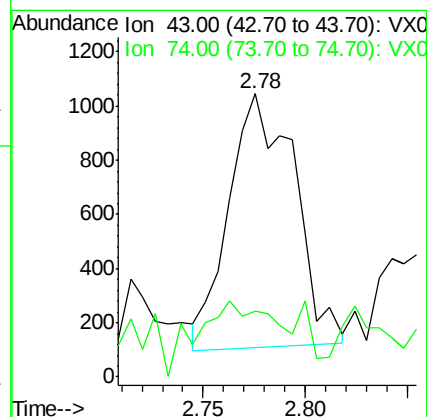
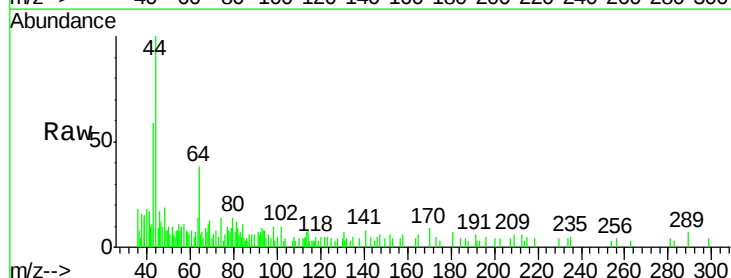
Instrument :
MSVOA_X
ClientSampleId :
SA-TW525-2327

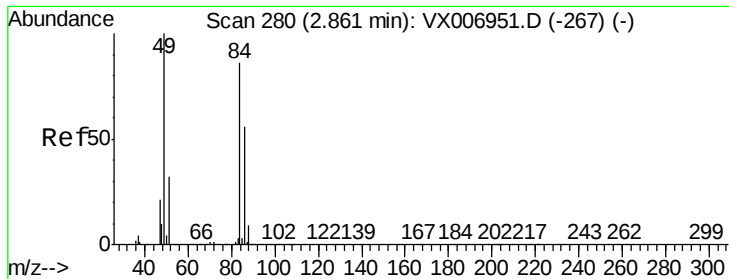
Tot Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
58 23.3 25.0 37.6#



#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007184.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
74 42.4 18.6 28.0#



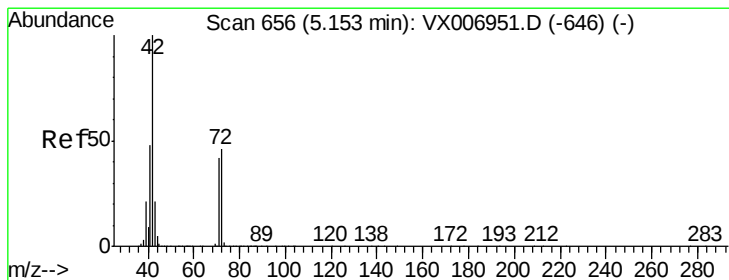
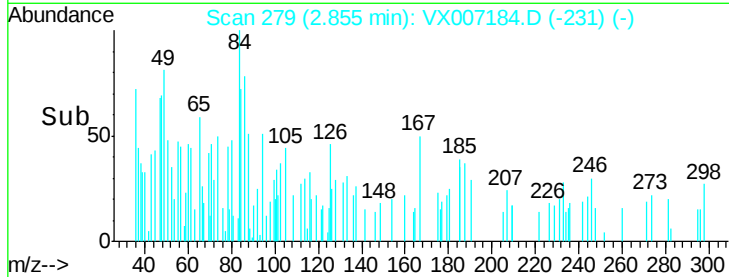
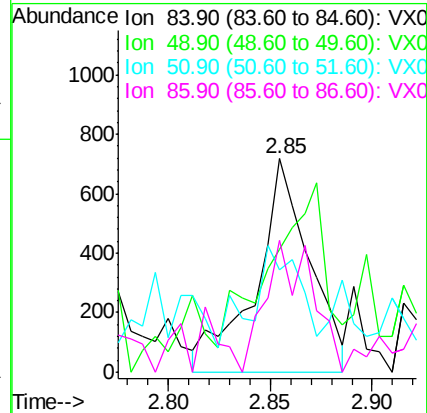
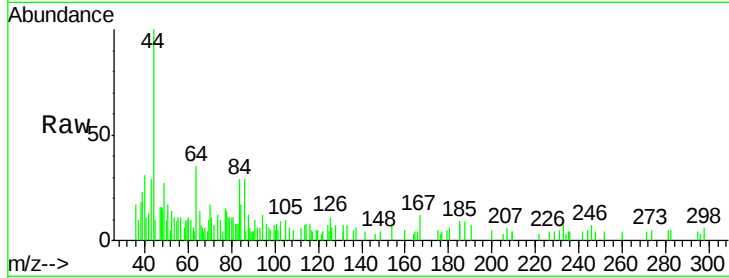


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007184.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW525-2327

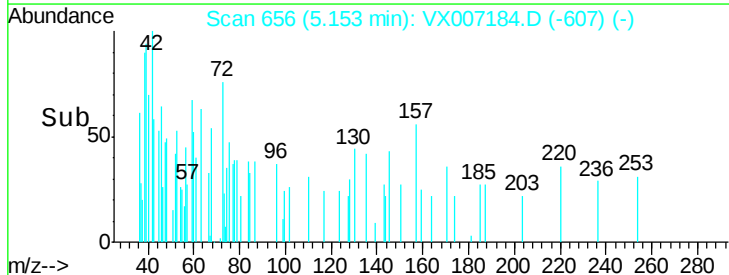
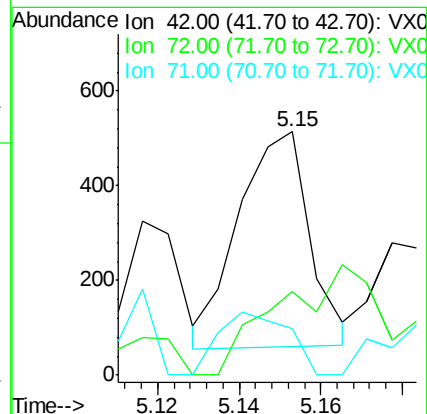
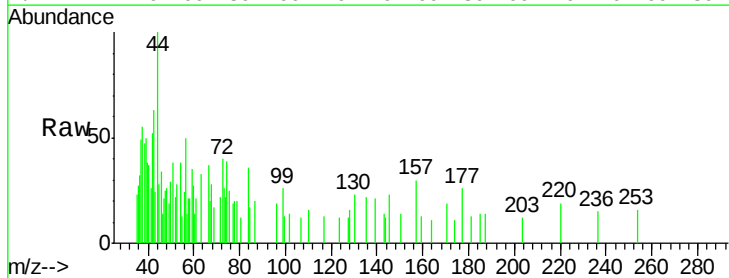
Tot Ion:	84	Resp:	1318
Ion	Ratio	Lower	Upper
84	100		
49	26.7	91.8	137.6#
51	13.1	28.5	42.7#
86	68.7	50.2	75.2

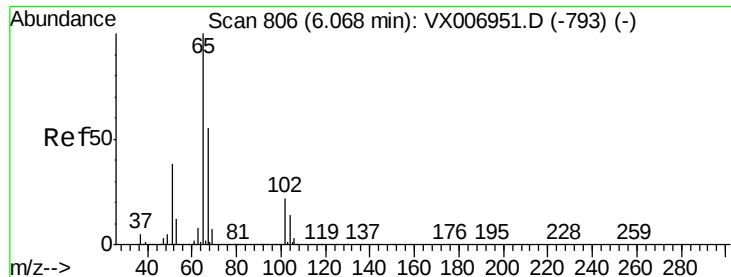


#29

Tetrahydrofuran
 Concen: 0.226 ug/l
 RT: 5.15 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VX007184.D
 Acq: 22 Jan 2019 16:22

Tgt Ion:	42	Resp:	553
Ion	Ratio	Lower	Upper
42	100		
72	83.0	38.9	58.3#
71	0.0	36.2	54.4#





#33

1,2-Dichloroethane-d4

Concen: 52.706 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

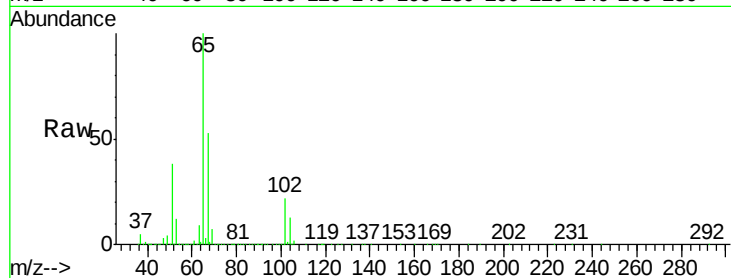
SA-TW525-2327

Tot Ion: 65 Resp: 280201

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

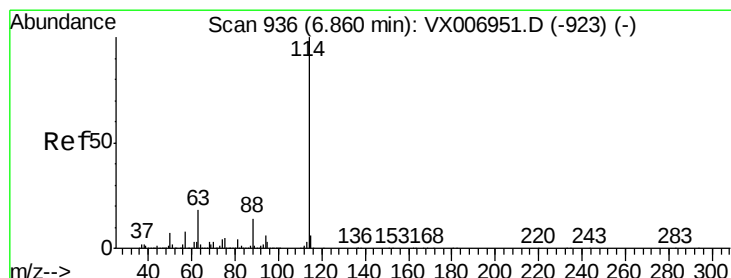
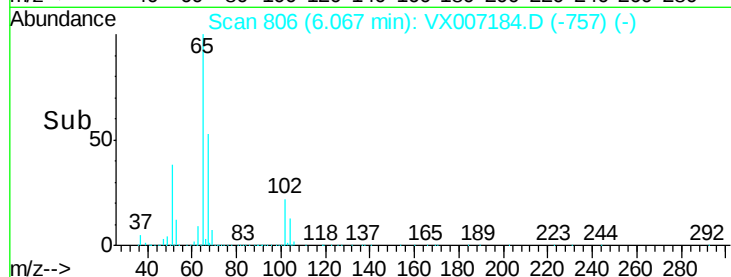
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

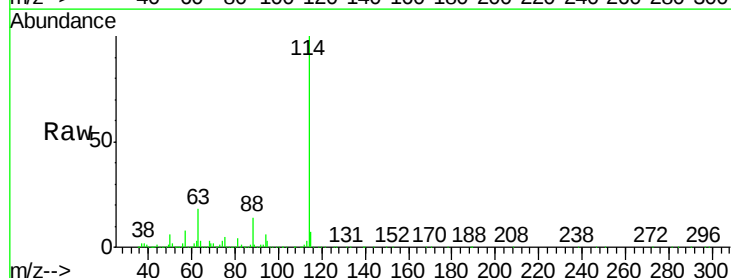
Tgt Ion:114 Resp: 799168

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.2 0.0 28.8



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

6.86

400000

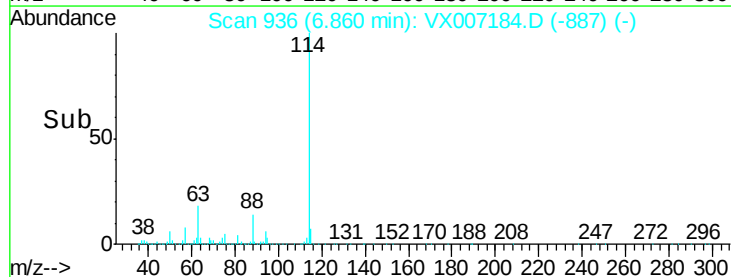
300000

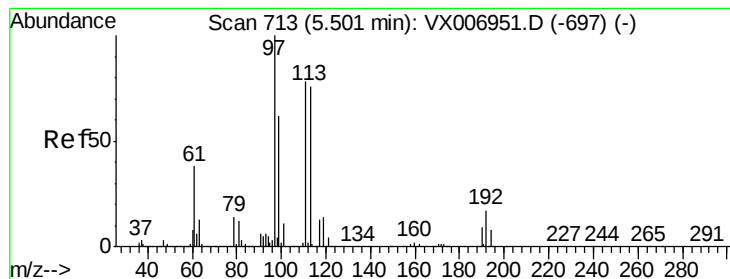
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.184 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-2327

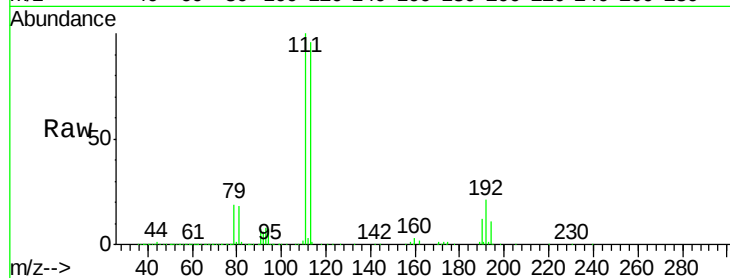
Tot Ion:113 Resp: 246598

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

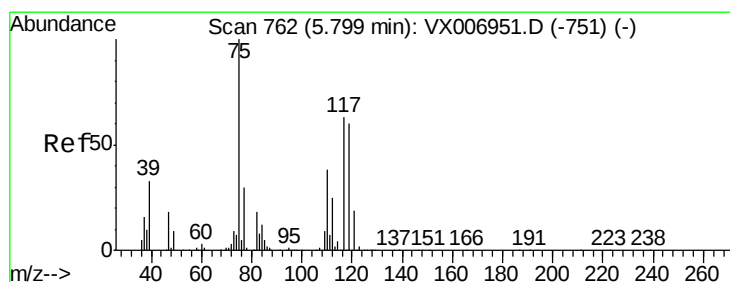
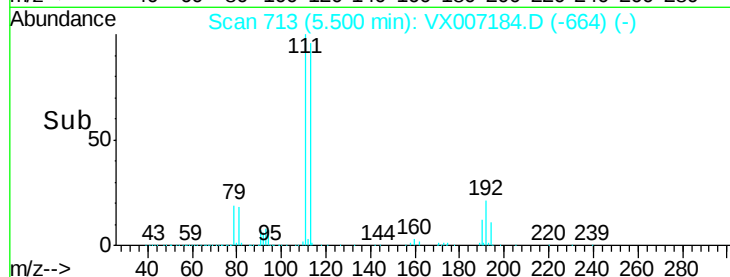
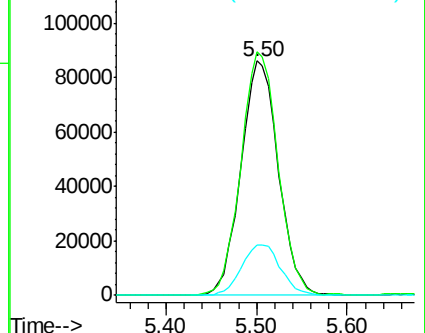
192 22.3 16.7 25.1



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: 4.662 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

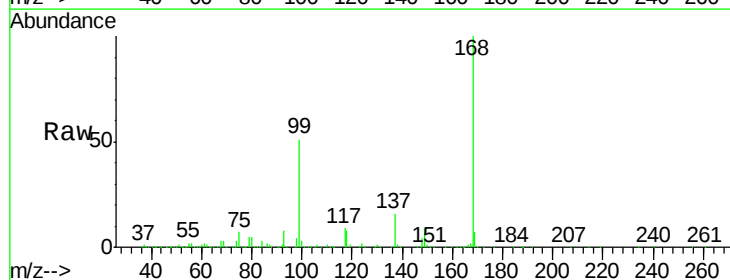
Tgt Ion: 75 Resp: 32394

Ion Ratio Lower Upper

75 100

110 12.2 20.2 60.5#

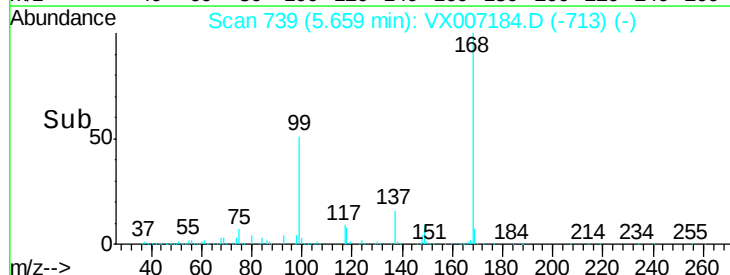
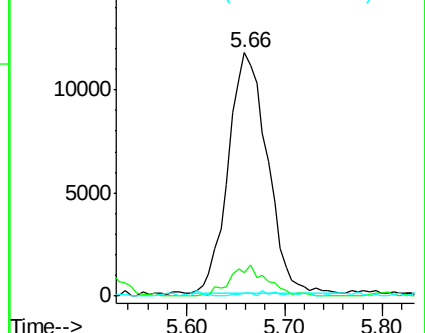
77 0.6 24.8 37.2#

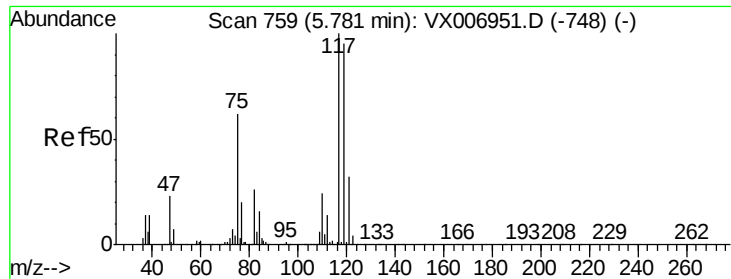


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-2327

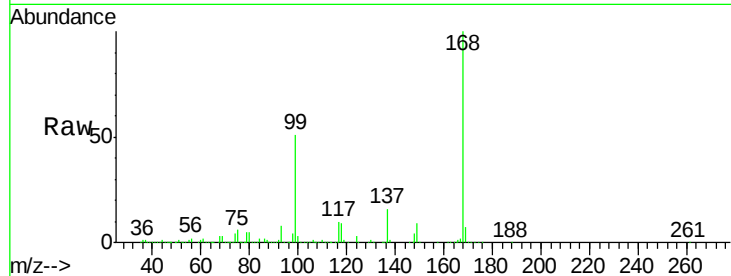
Tot Ion:117 Resp: 46128

Ion Ratio Lower Upper

117 100

119 5.3 79.4 119.2#

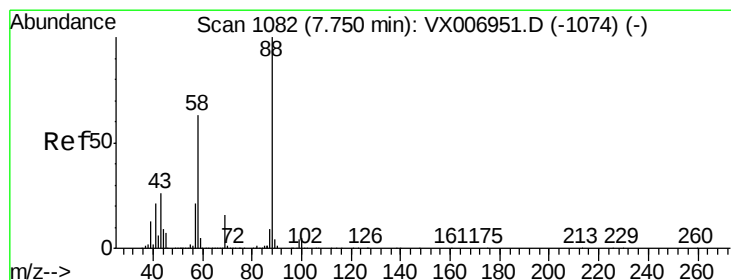
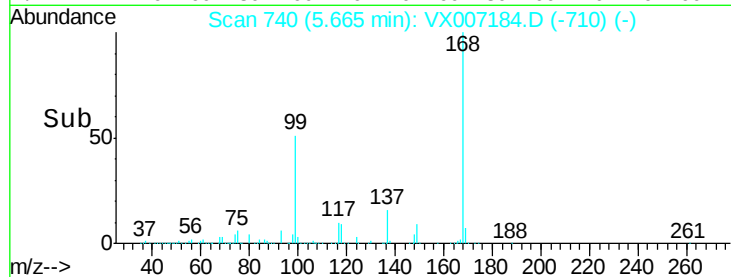
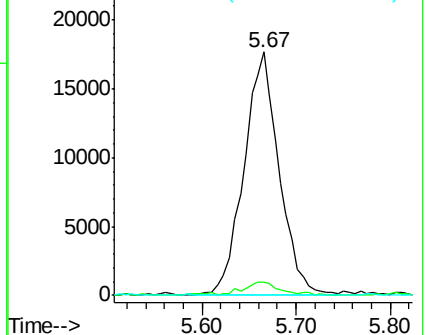
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

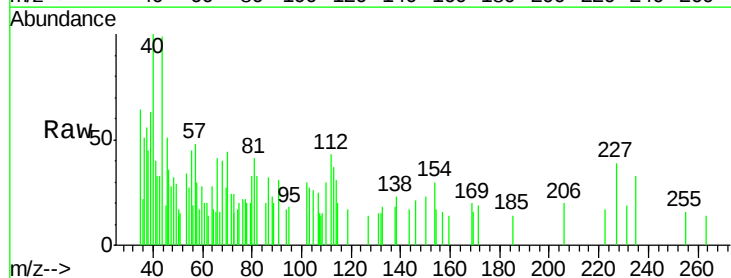
Tgt Ion: 88 Resp: 161

Ion Ratio Lower Upper

88 100

43 118.6 22.2 33.4#

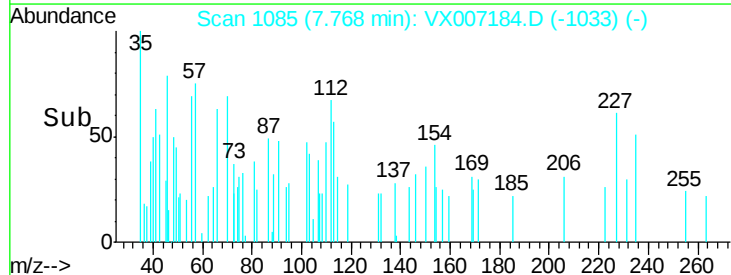
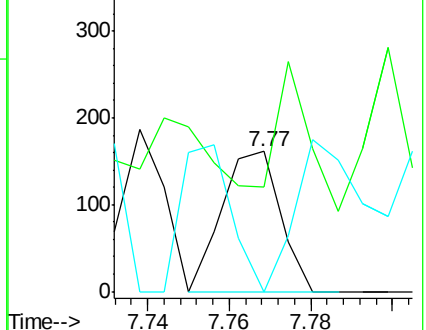
58 131.1 51.0 76.4#

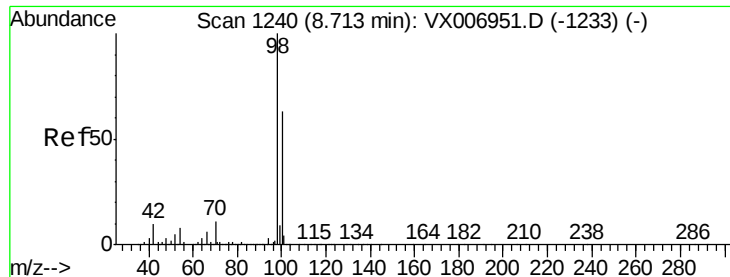


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.179 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

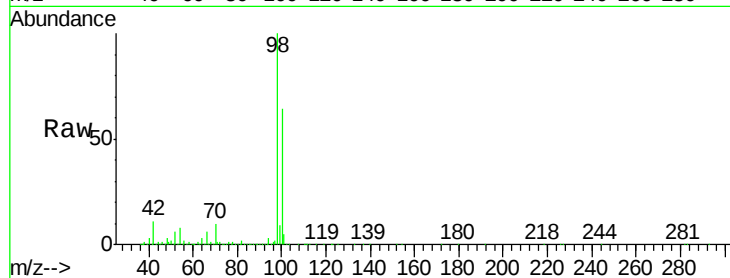
SA-TW525-2327

Tot Ion: 98 Resp: 958724

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

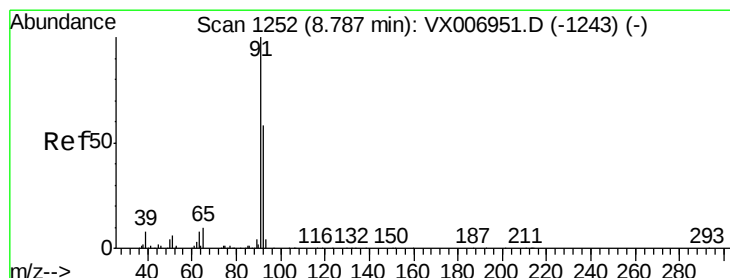
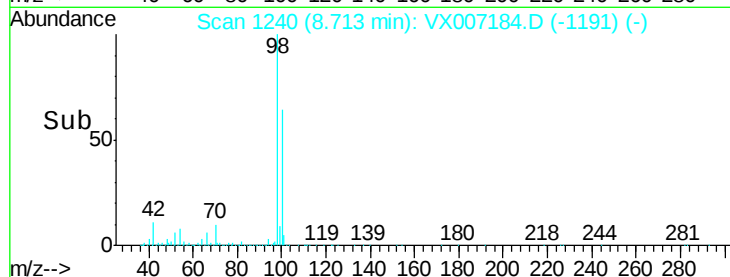
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 0.234 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007184.D

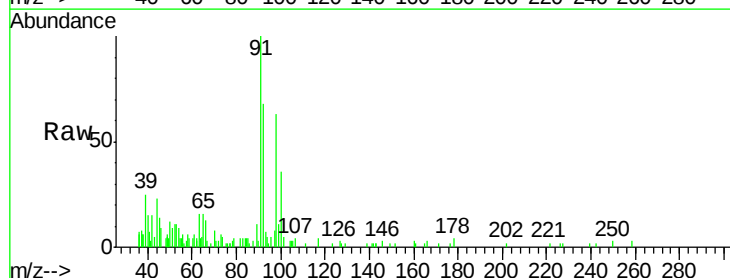
Acq: 22 Jan 2019 16:22

Tgt Ion: 92 Resp: 3194

Ion Ratio Lower Upper

92 100

91 164.2 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

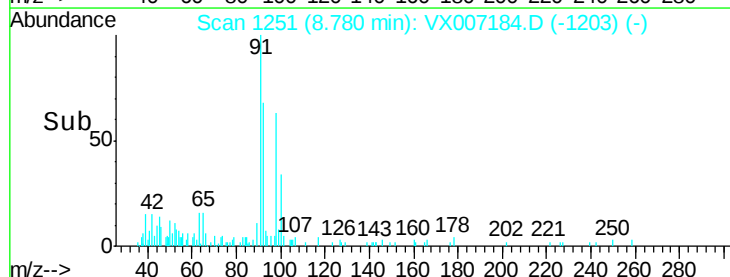
3000

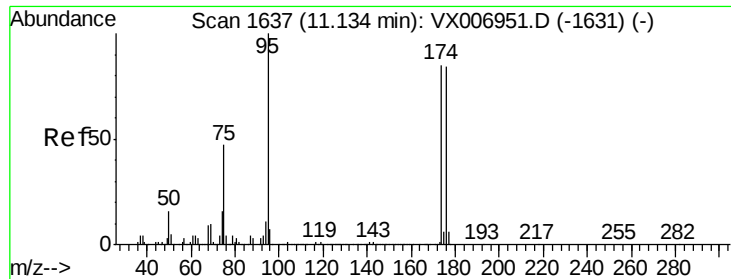
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.700 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-2327

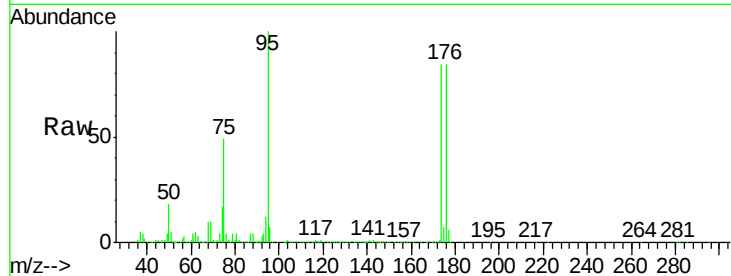
Tot Ion: 95 Resp: 344168

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.2

176 90.1 0.0 178.8

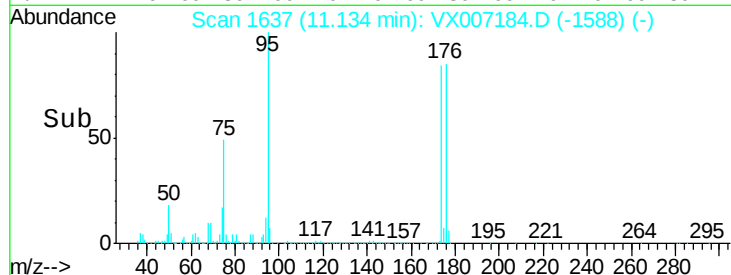


Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)

Time-->

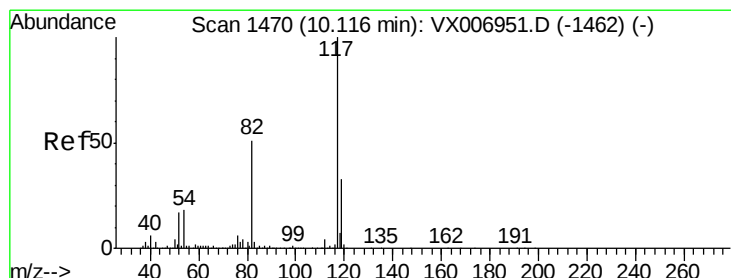


Abundance Ion 94.90 (94.60 to 95.60): VX007184.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007184.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007184.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

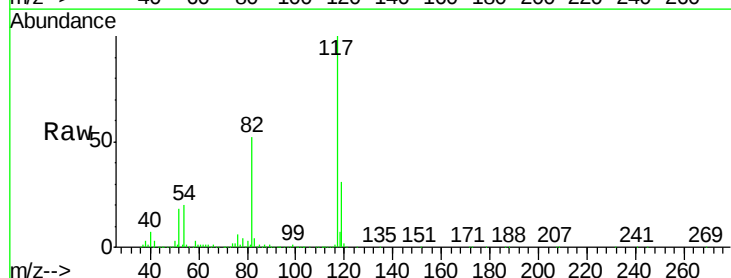
Tgt Ion: 117 Resp: 745165

Ion Ratio Lower Upper

117 100

82 52.3 41.0 61.6

119 31.4 25.4 38.0

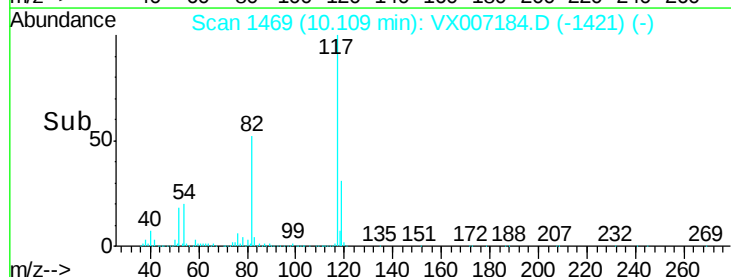


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)

Time-->

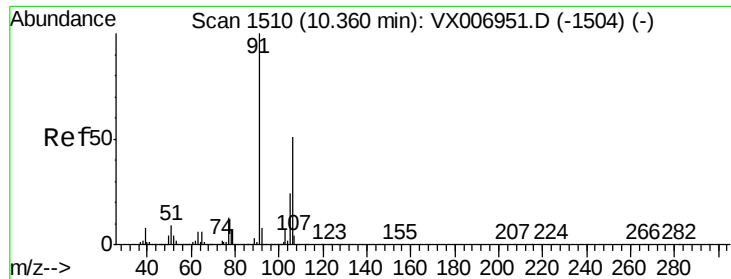


Abundance Ion 116.90 (116.60 to 117.60): VX007184.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX007184.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX007184.D (-1421) (-)

Time-->



#68

m/p-Xvlenes

Concen: 0.257 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

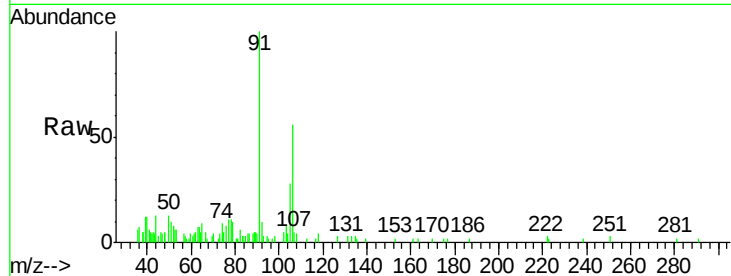
SA-TW525-2327

Tot Ion:106 Resp: 2719

Ion Ratio Lower Upper

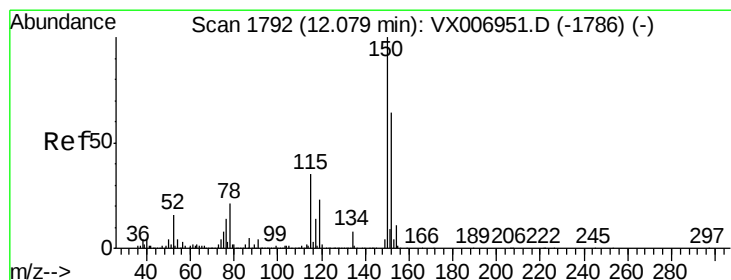
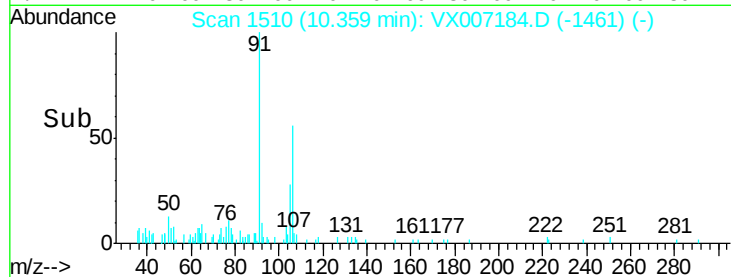
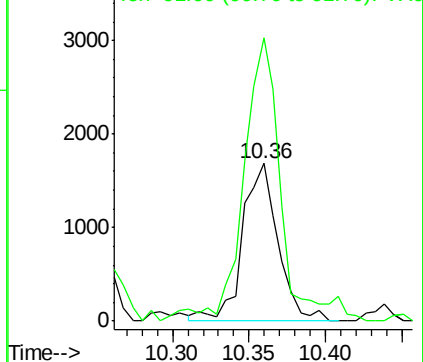
106 100

91 184.6 155.8 233.6



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

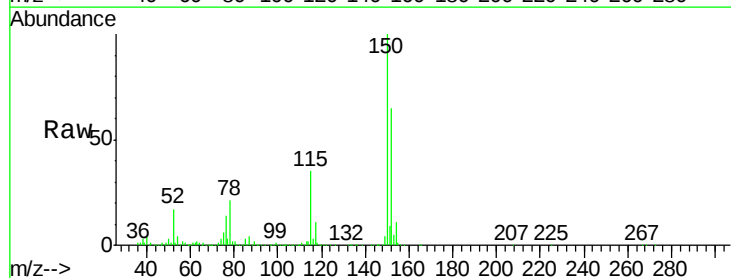
Tgt Ion:152 Resp: 374709

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.2

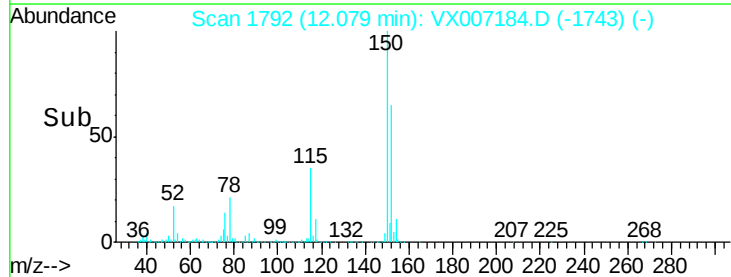
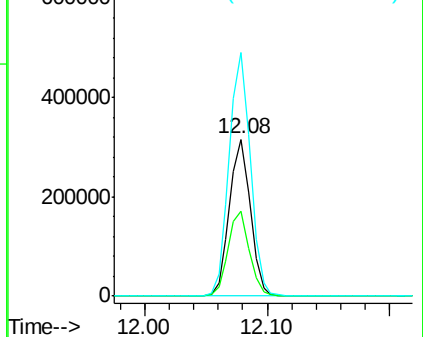
150 156.3 0.0 344.8

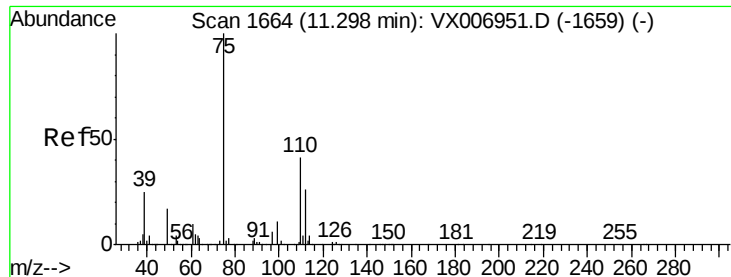


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.959 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

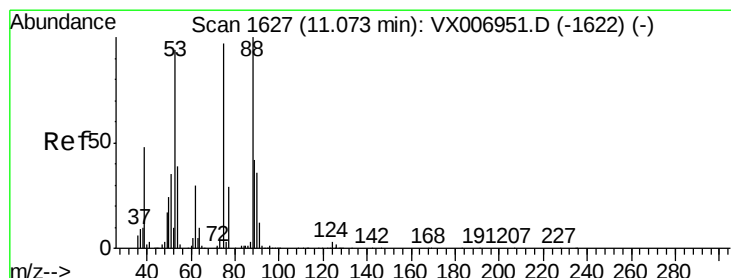
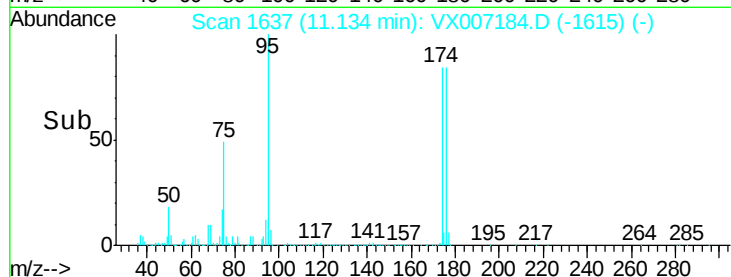
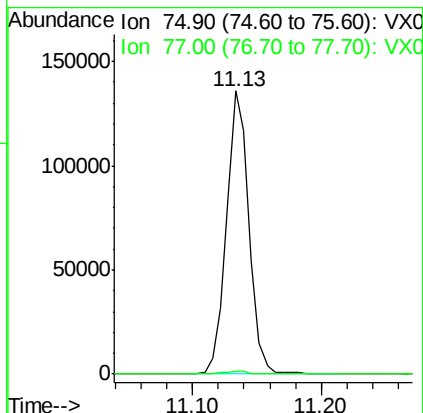
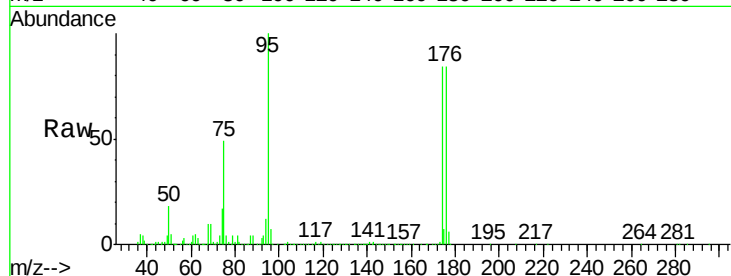
SA-TW525-2327

Tot Ion: 75 Resp: 166740

Ion Ratio Lower Upper

75 100

77 1.2 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.038 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

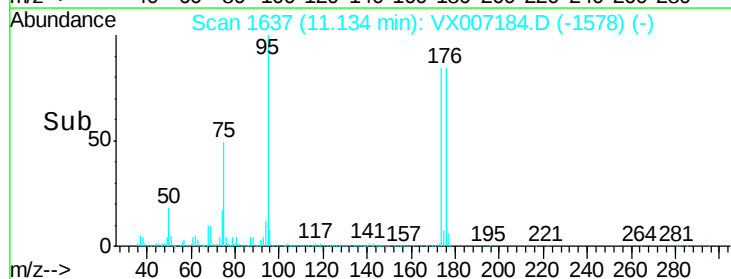
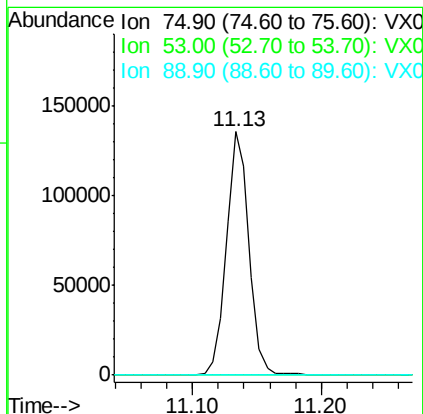
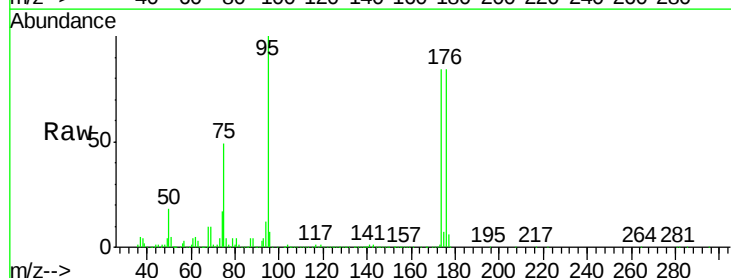
Tgt Ion: 75 Resp: 166740

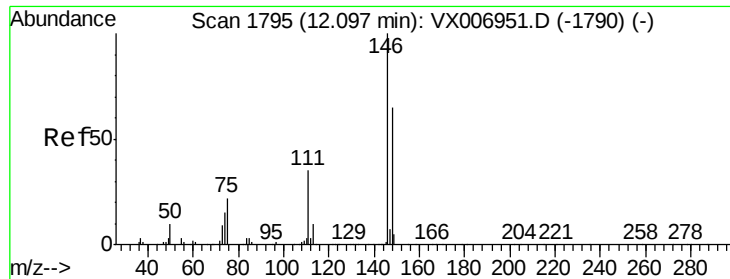
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.02 min

Lab File: VX007184.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW525-2327

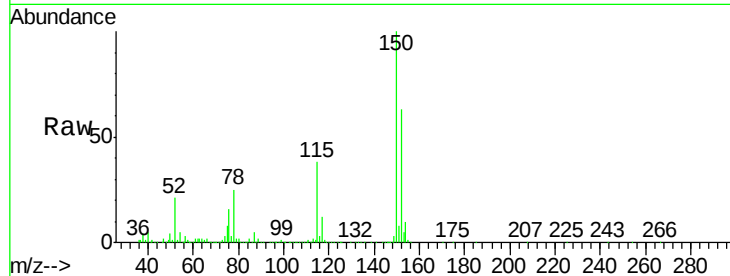
Tot Ion:146 Resp: 1110

Ion Ratio Lower Upper

146 100

111 477.3 18.1 54.1#

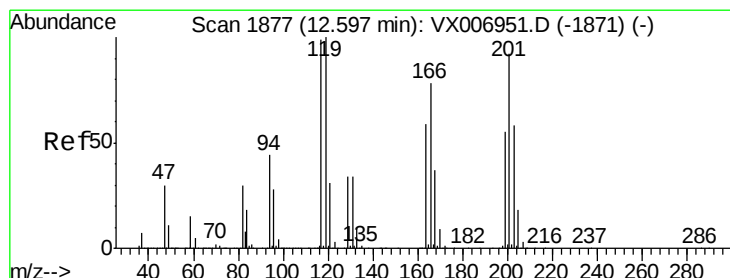
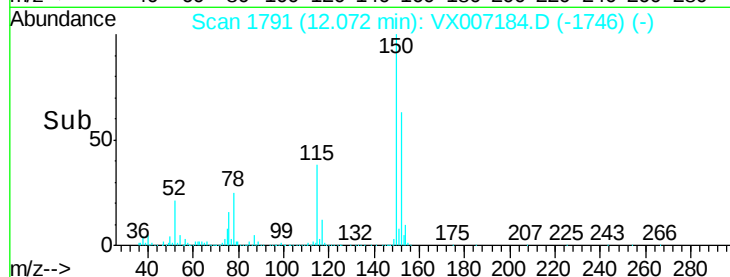
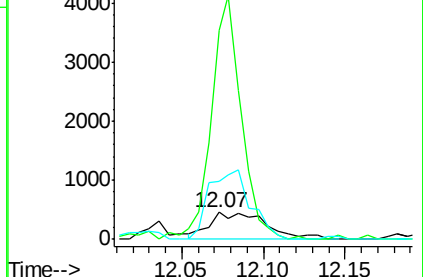
148 188.6 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.913 ug/l

RT: 12.58 min Scan# 1874

Delta R.T. -0.02 min

Lab File: VX007184.D

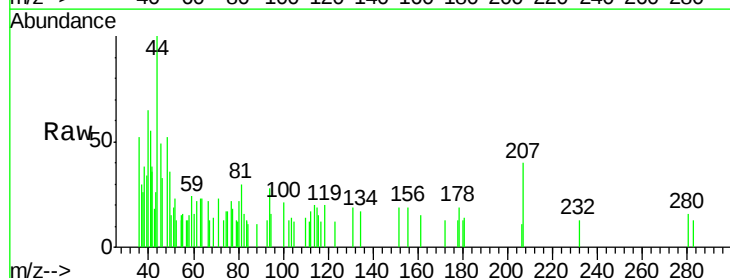
Acq: 22 Jan 2019 16:22

Tgt Ion:117 Resp: 19

Ion Ratio Lower Upper

117 100

201 121.1 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

