

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007183.D
 Acq On : 22 Jan 2019 15:55
 Operator : JC/SP
 Sample : K1214-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW526-4246

Quant Time: Jan 23 00:05:16 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	497809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	771733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	725534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	363760	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	269243	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	5.50	113	241786	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.71	98	917048	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	333850	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

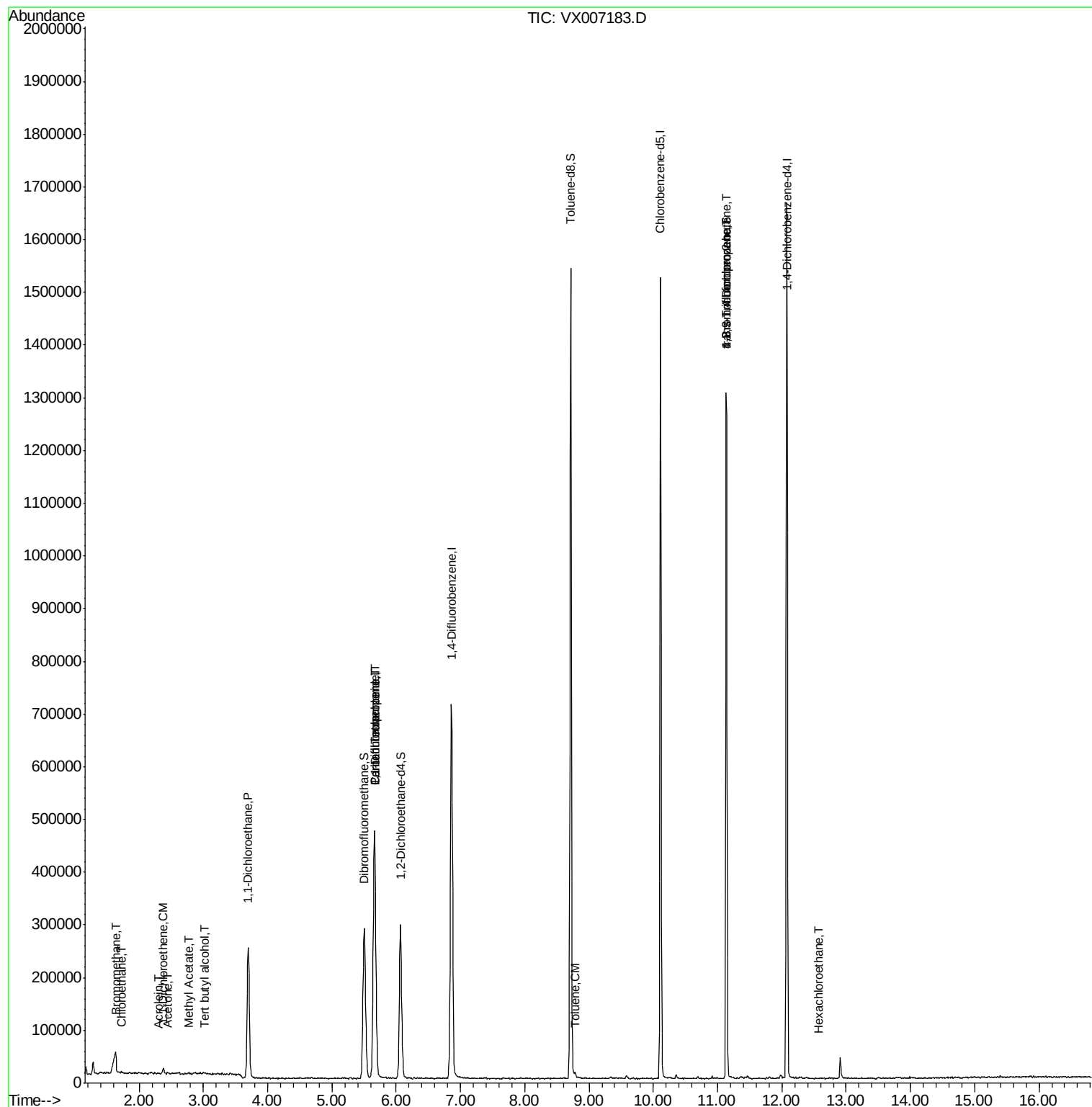
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1255	0.229	ug/l #	4
6) Chloroethane	1.72	64	2106	0.589	ug/l	96
11) Tert butyl alcohol	3.03	59	1462	1.191	ug/l #	67
12) 1,1-Dichloroethene	2.38	96	4262	0.932	ug/l #	88
13) Acrolein	2.30	56	233	3.519	ug/l #	13
16) Acetone	2.45	43	2348	0.913	ug/l #	77
18) Methyl Acetate	2.78	43	2161	0.290	ug/l #	72
20) Methylene Chloride	2.85	84	925	Below Cal	#	70
24) 1,1-Dichloroethane	3.70	63	280305	34.006	ug/l	99
36) 1,1-Dichloropropene	5.66	75	32786	4.886	ug/l #	39
38) Carbon Tetrachloride	5.66	117	44319	6.565	ug/l #	14
49) 1,4-Dioxane	7.76	88	862	Below Cal	#	53
52) Toluene	8.79	92	2671	0.203	ug/l	77
76) 1,2,3-Trichloropropane	11.13	75	160524	21.776	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	160524	64.529	ug/l #	10
90) Hexachloroethane	12.57	117	44	2.920	ug/l	71

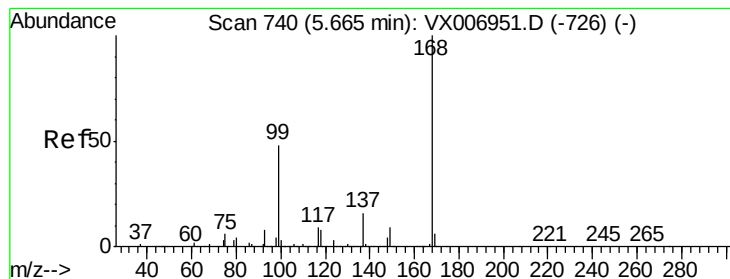
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

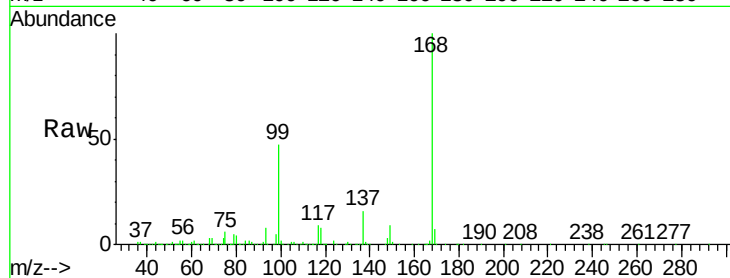
SA-TW526-4246

Tot Ion:168 Resp: 497809

Ion Ratio Lower Upper

168 100

99 47.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

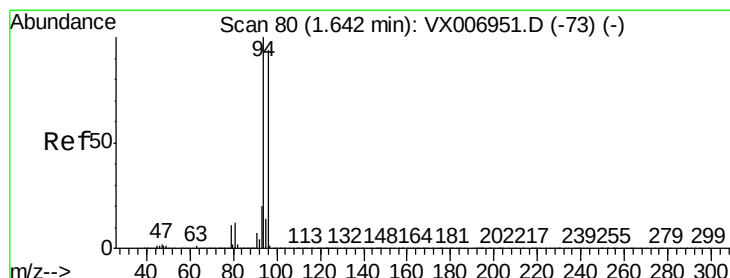
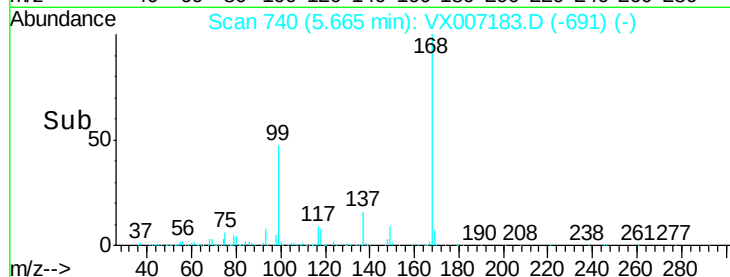
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.229 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007183.D

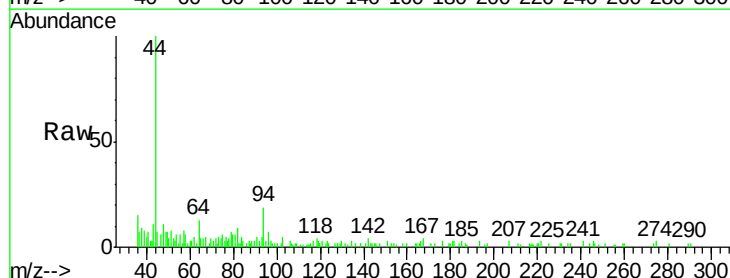
Acq: 22 Jan 2019 15:55

Tgt Ion: 94 Resp: 1255

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

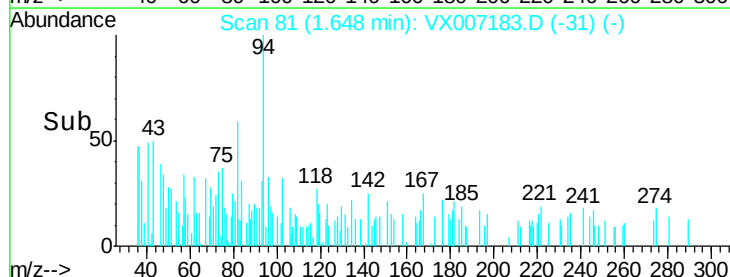
600

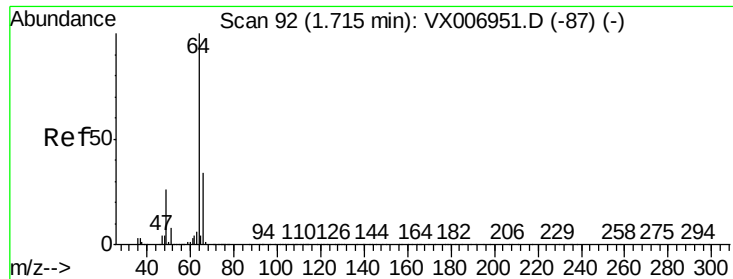
400

200

0

Time-->





#6

Chloroethane

Concen: 0.589 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

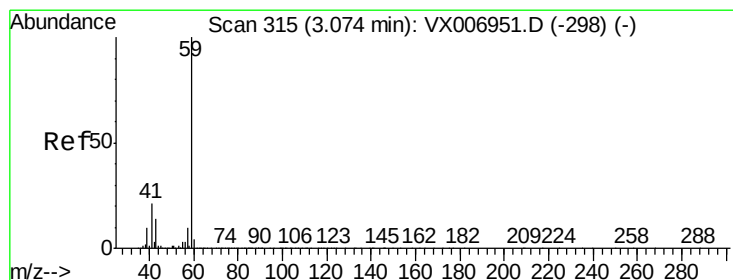
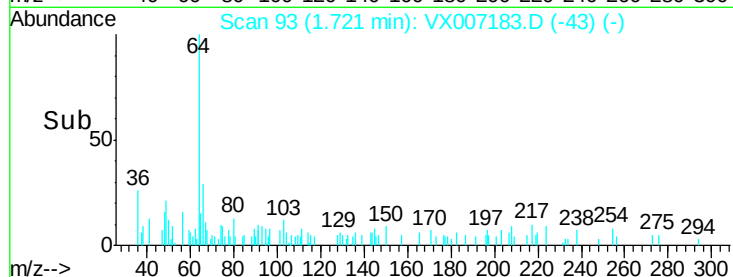
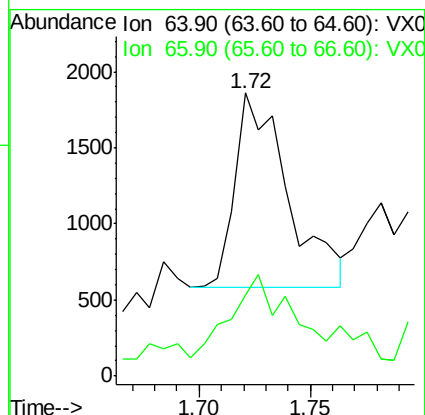
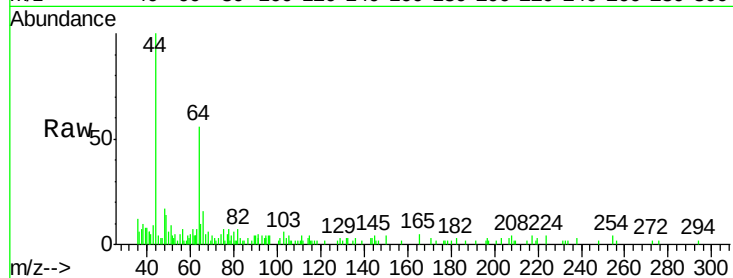
SA-TW526-4246

Tot Ion: 64 Resp: 2106

Ion Ratio Lower Upper

64 100

66 35.5 26.4 39.6



#11

Tert butyl alcohol

Concen: 1.191 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007183.D

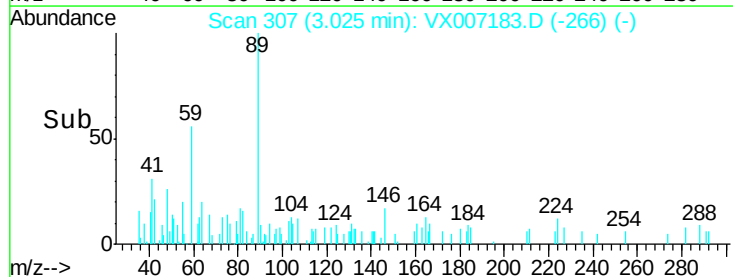
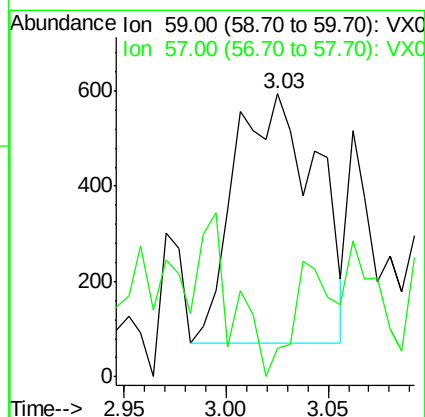
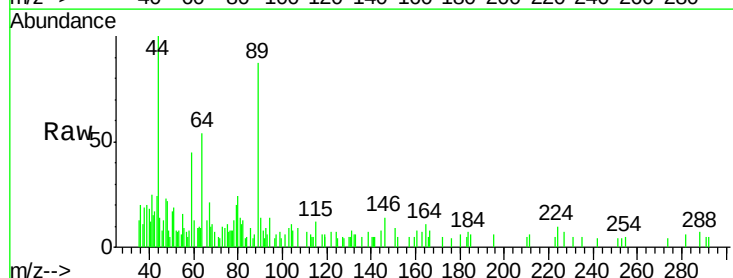
Acq: 22 Jan 2019 15:55

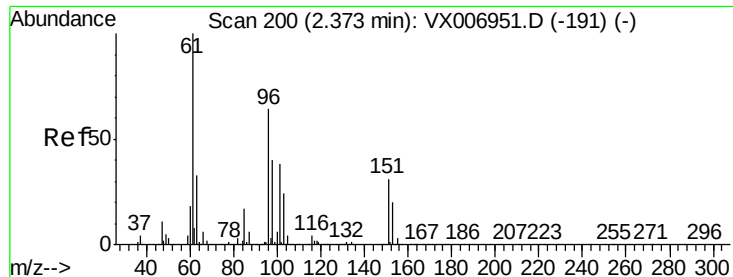
Tgt Ion: 59 Resp: 1462

Ion Ratio Lower Upper

59 100

57 22.9 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 0.932 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-4246

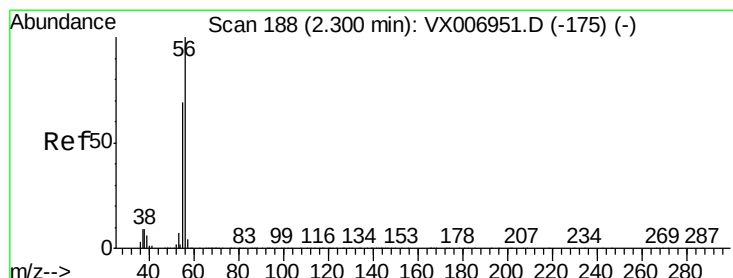
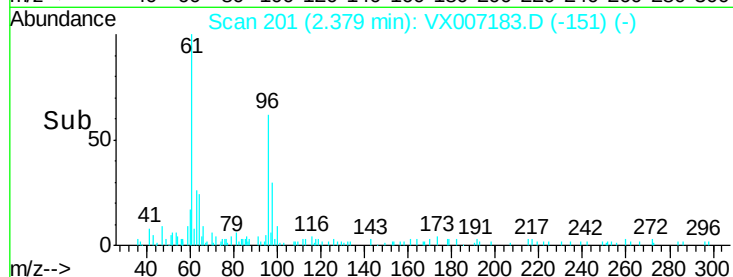
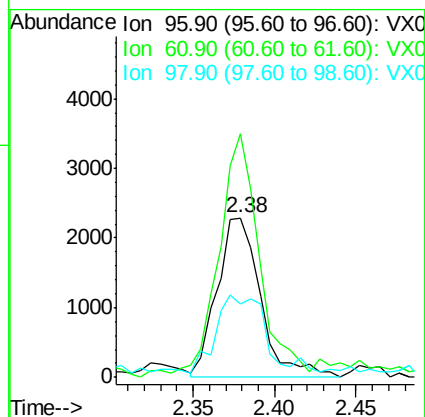
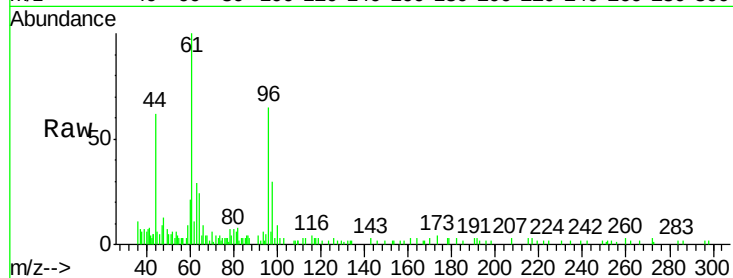
Tot Ion: 96 Resp: 4262

Ion Ratio Lower Upper

96 100

61 145.5 121.4 182.2

98 43.7 51.9 77.9#



#13

Acrolein

Concen: 3.519 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007183.D

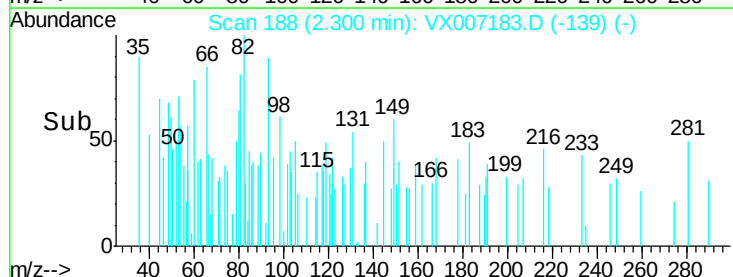
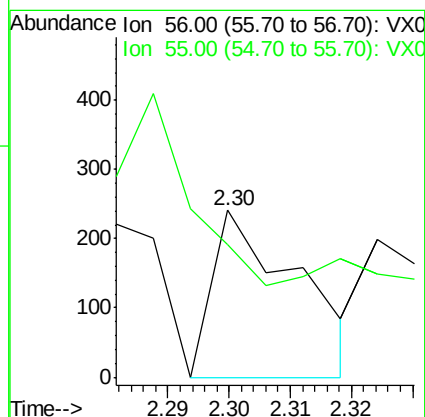
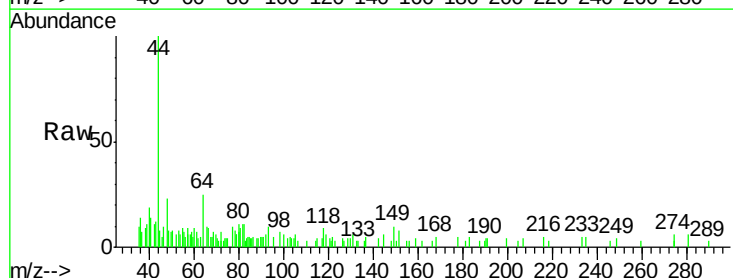
Acq: 22 Jan 2019 15:55

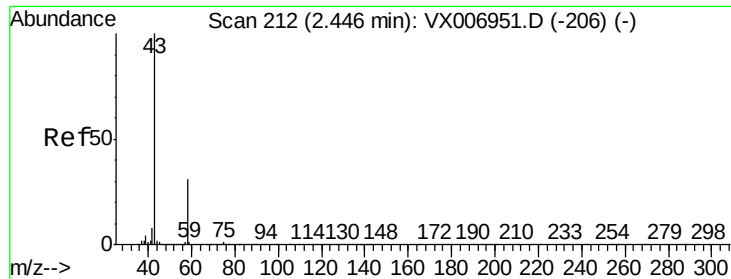
Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#

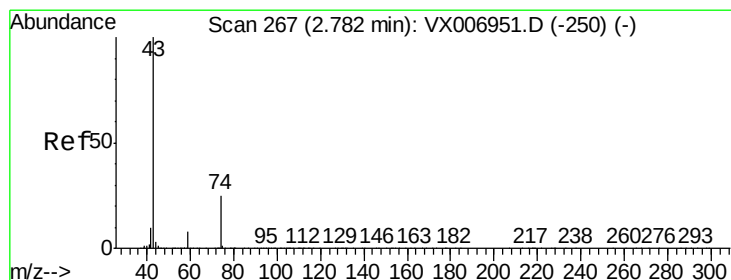
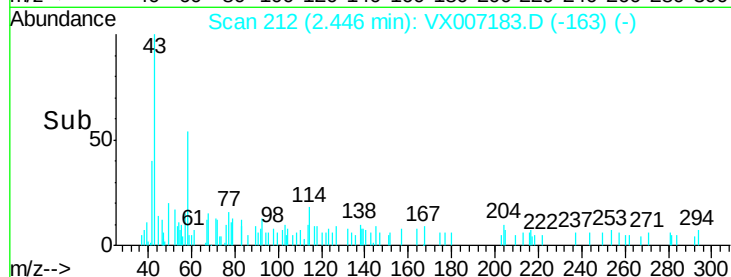
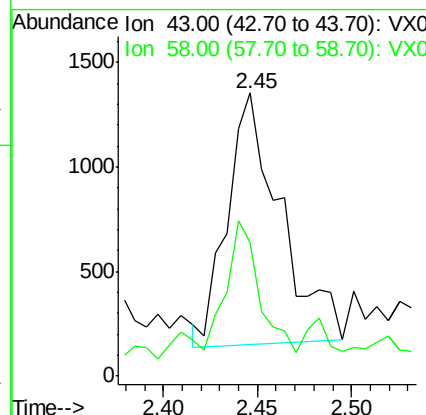
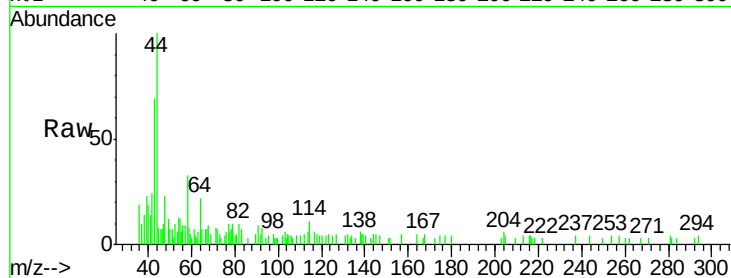




#16
Acetone
Concen: 0.913 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007183.D
Acq: 22 Jan 2019 15:55

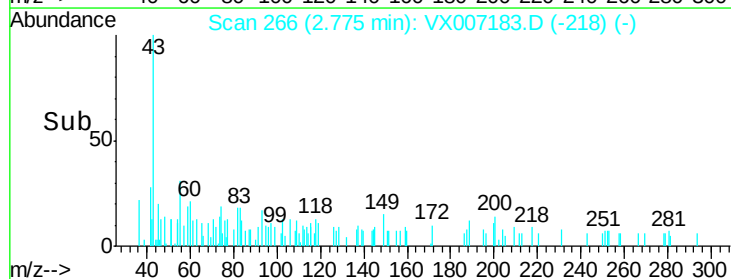
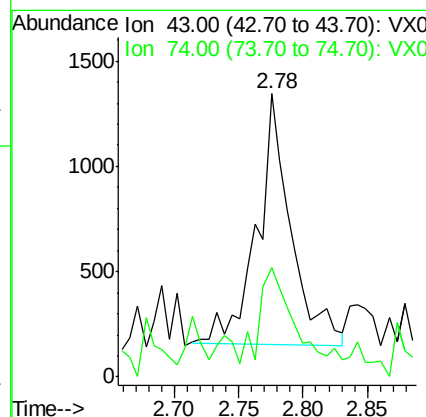
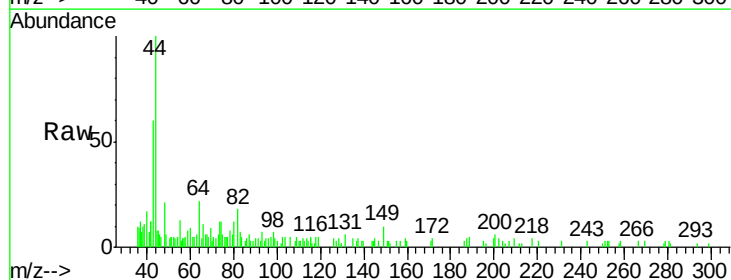
Instrument :
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ClientSampleId :
SA-TW526-4246

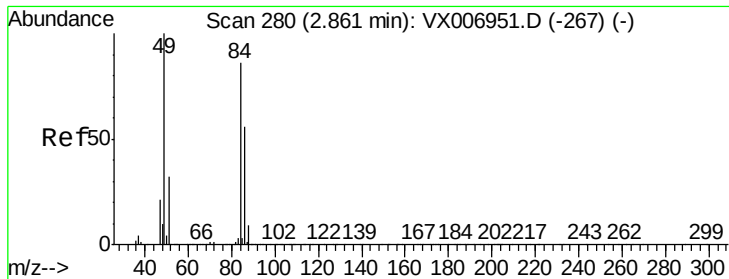
Tot Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
58 43.9 25.0 37.6#



#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007183.D
Acq: 22 Jan 2019 15:55

Tgt Ion: 43 Resp: 2161
Ion Ratio Lower Upper
43 100
74 36.8 18.6 28.0#

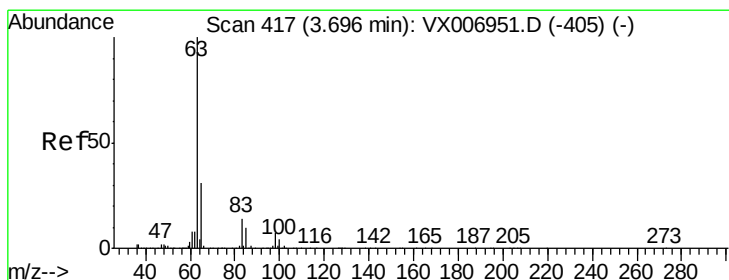
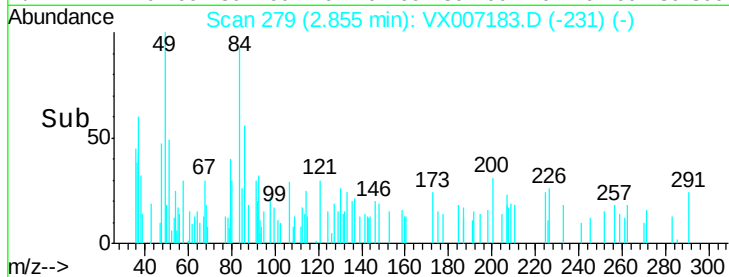
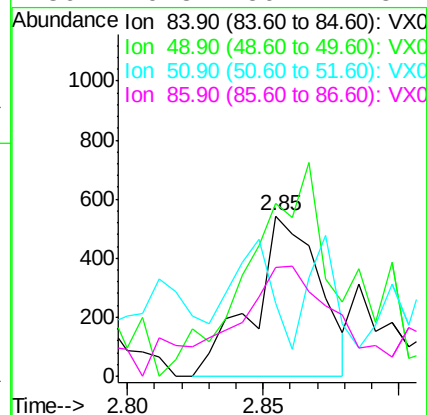
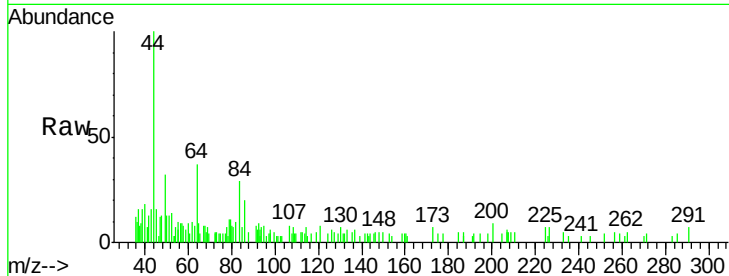




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007183.D
Acq: 22 Jan 2019 15:55

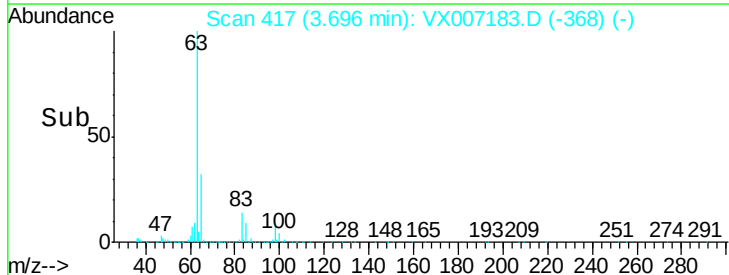
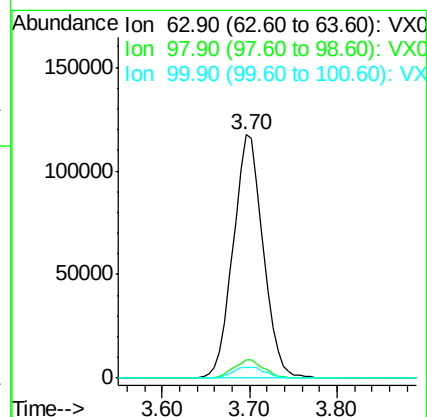
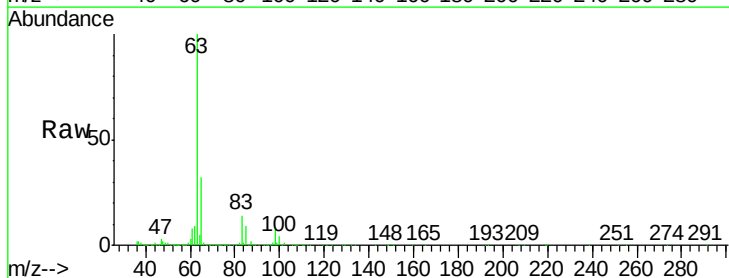
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MSVOA_X
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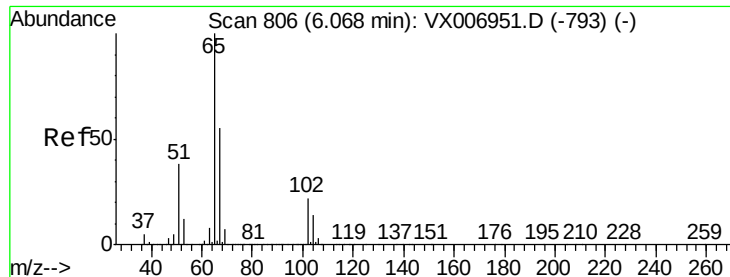
Tot Ion:	84	Resp:	925
Ion	Ratio	Lower	Upper
84	100		
49	77.9	91.8	137.6#
51	12.9	28.5	42.7#
86	49.8	50.2	75.2#



#24
1,1-Dichloroethane
Concen: 34.006 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX007183.D
Acq: 22 Jan 2019 15:55

Tgt Ion:	63	Resp:	280305
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.9	11.5
100	4.4	2.4	7.2

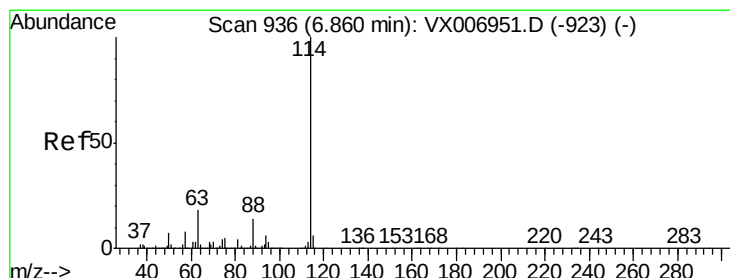
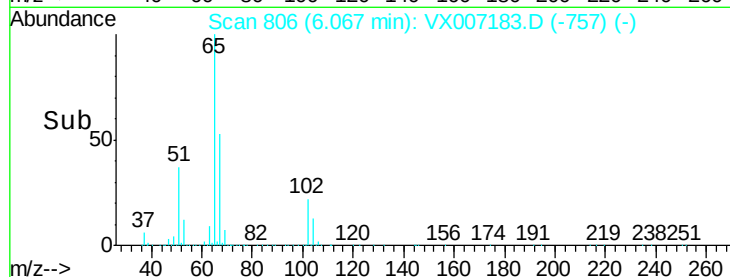
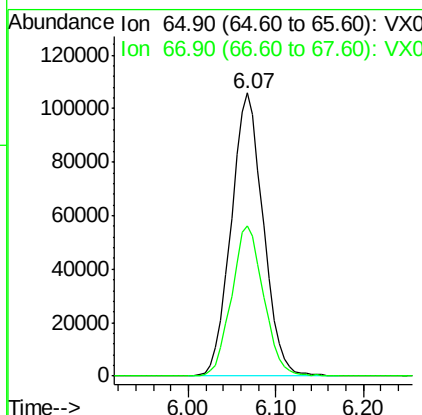
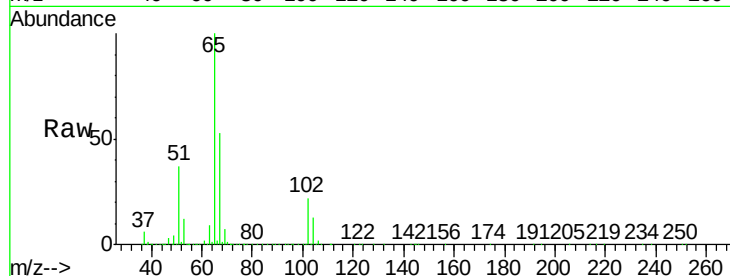




#33
 1,2-Dichloroethane-d4
 Concen: 51.752 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007183.D
 Acq: 22 Jan 2019 15:55

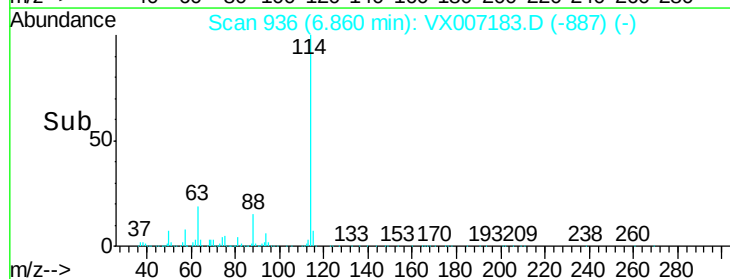
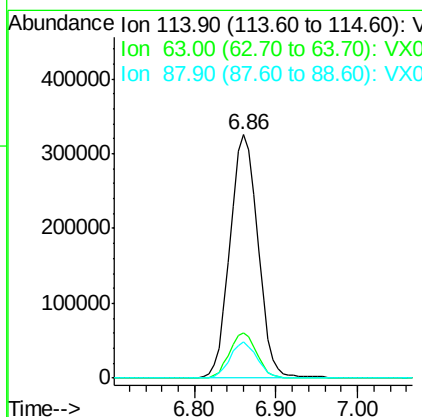
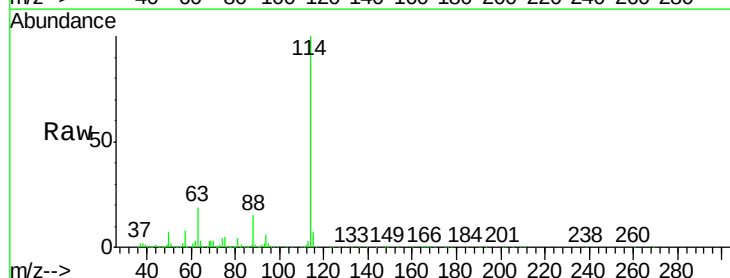
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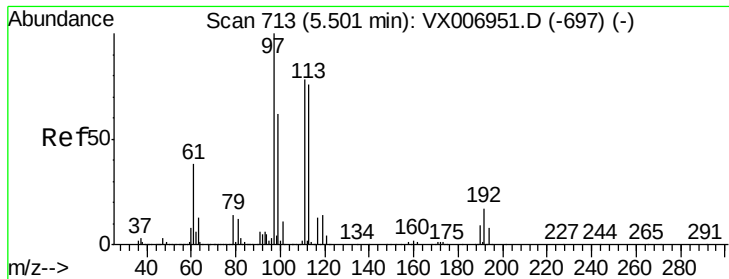
Tot Ion: 65 Resp: 269243
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007183.D
 Acq: 22 Jan 2019 15:55

Tgt Ion: 114 Resp: 771733
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.8
 88 14.7 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.923 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-4246

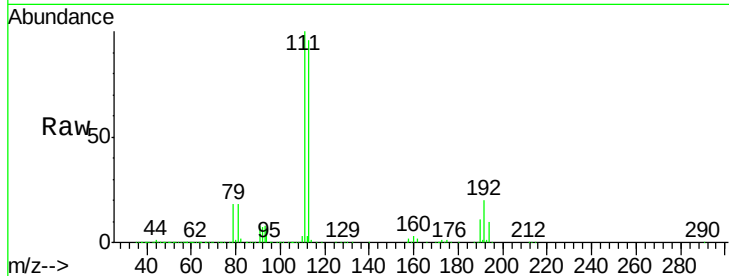
Tot Ion:113 Resp: 241786

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

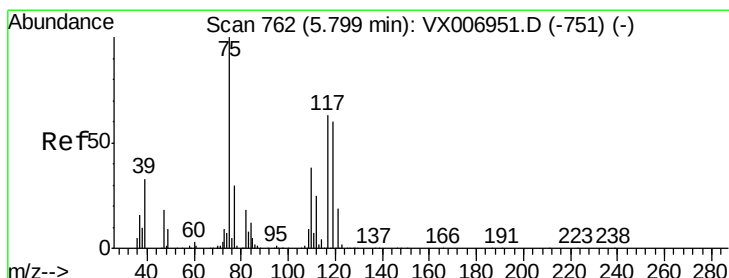
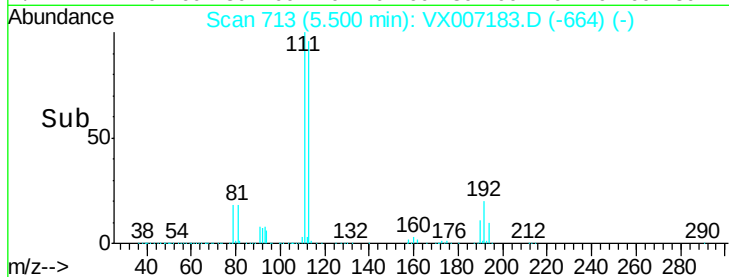
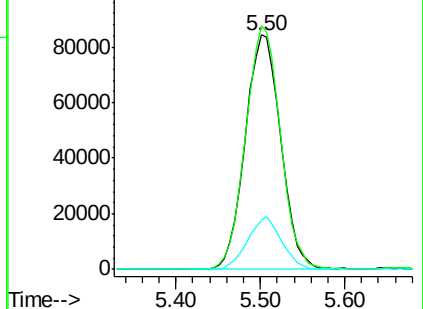
192 21.4 16.7 25.1



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: 4.886 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

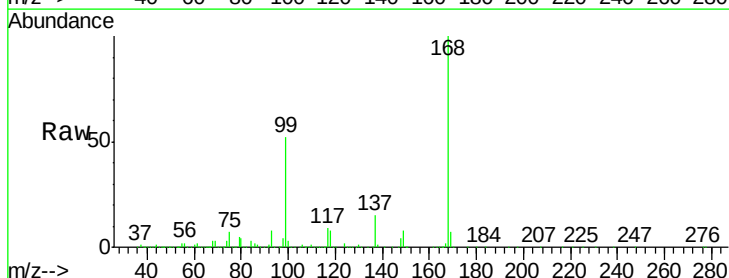
Tgt Ion: 75 Resp: 32786

Ion Ratio Lower Upper

75 100

110 0.0 20.2 60.5#

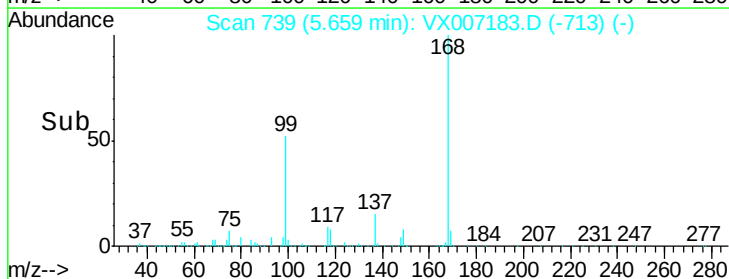
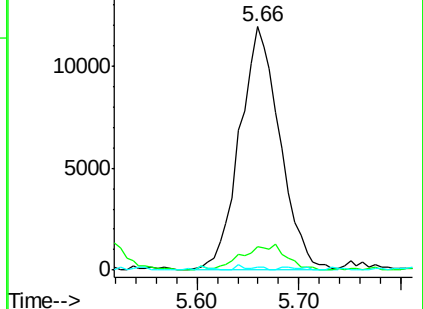
77 0.5 24.8 37.2#

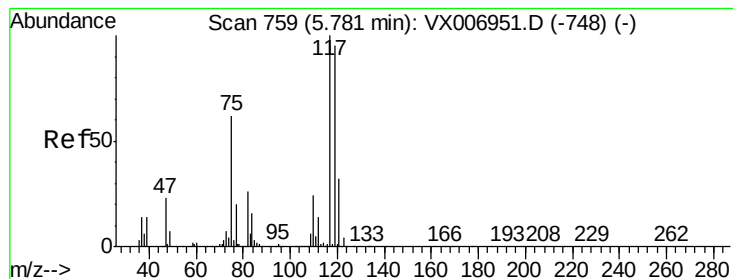


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.565 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-4246

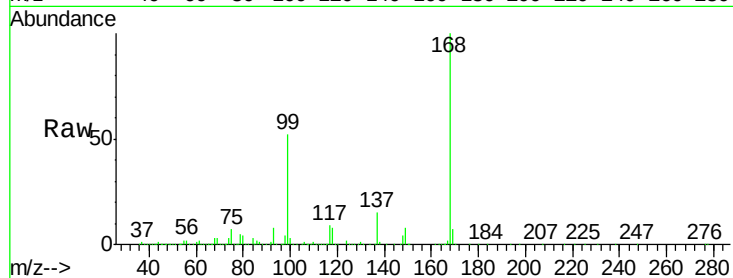
Tot Ion:117 Resp: 44319

Ion Ratio Lower Upper

117 100

119 4.3 79.4 119.2#

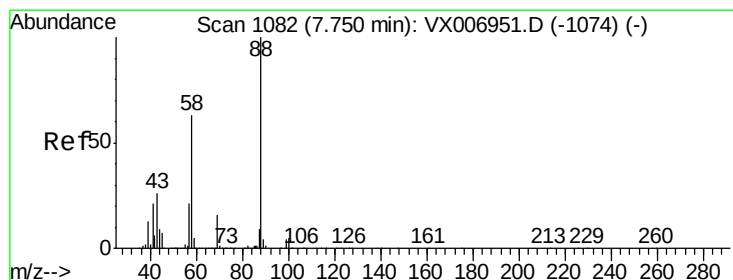
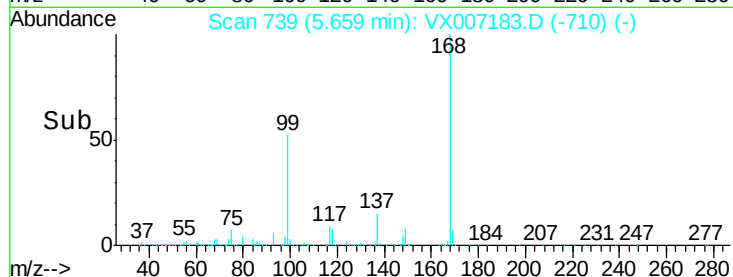
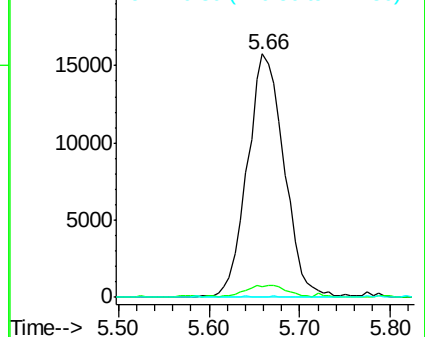
121 0.0 24.0 36.0#



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: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

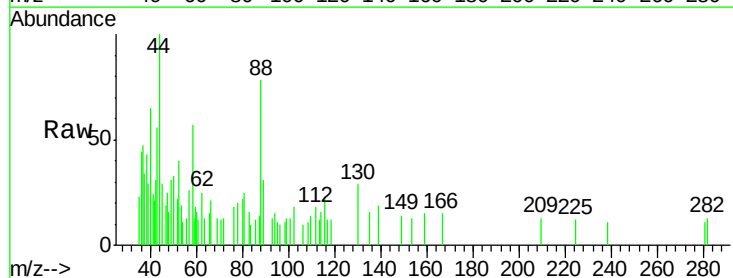
Tgt Ion: 88 Resp: 862

Ion Ratio Lower Upper

88 100

43 13.9 22.2 33.4#

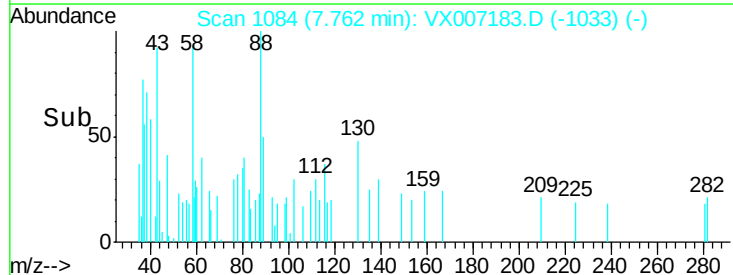
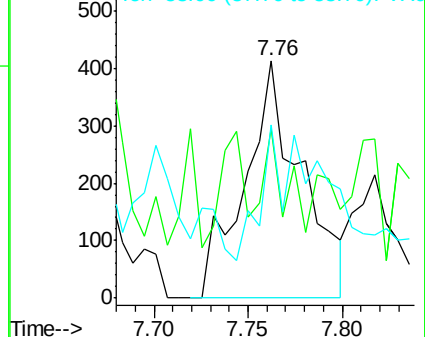
58 19.8 51.0 76.4#

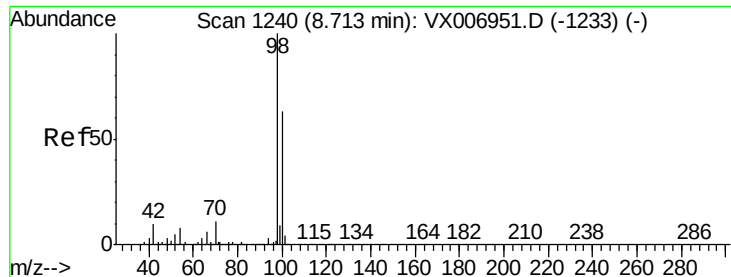


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.694 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

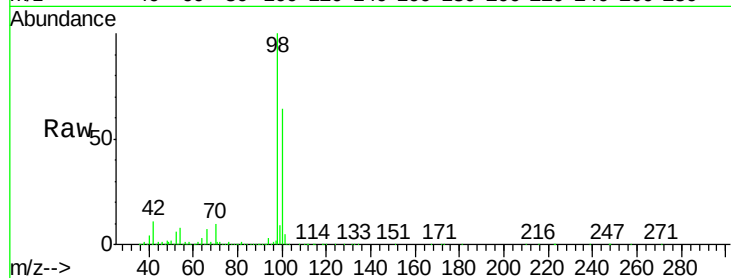
SA-TW526-4246

Tot Ion: 98 Resp: 917048

Ion Ratio Lower Upper

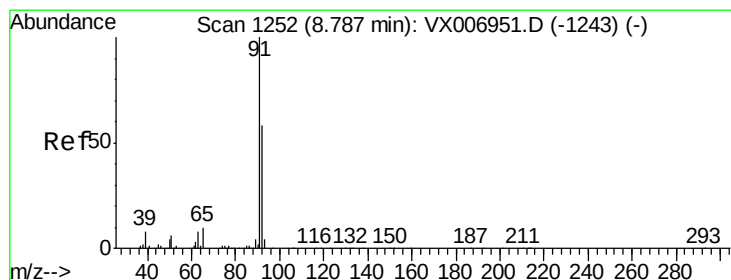
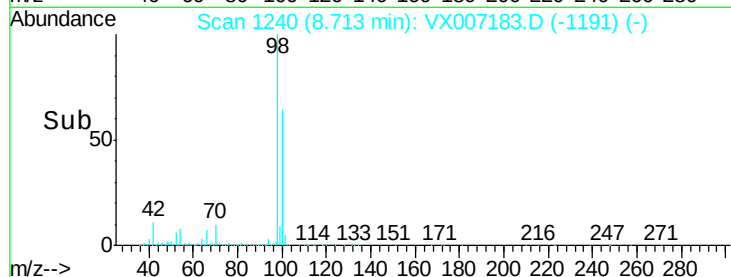
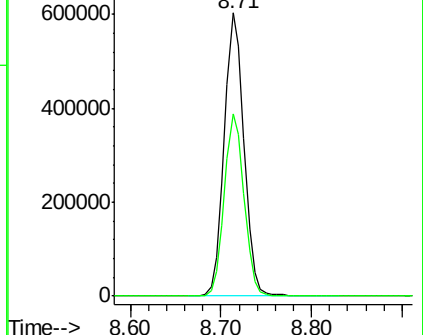
98 100

100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.203 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007183.D

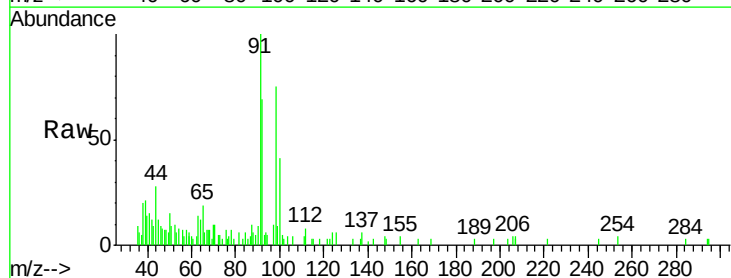
Acq: 22 Jan 2019 15:55

Tgt Ion: 92 Resp: 2671

Ion Ratio Lower Upper

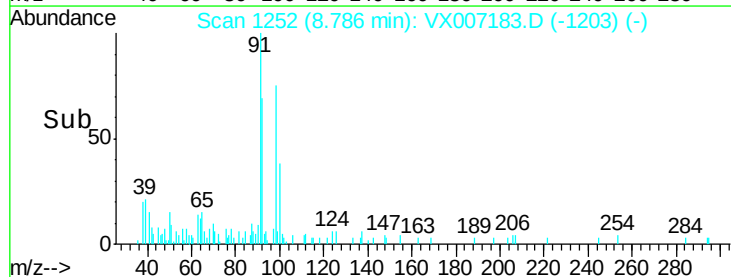
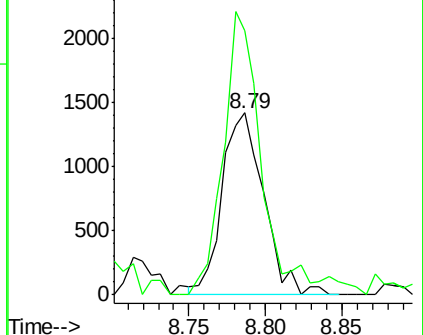
92 100

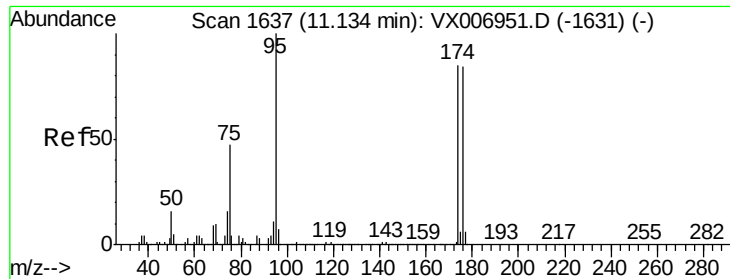
91 140.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampled :

SA-TW526-4246

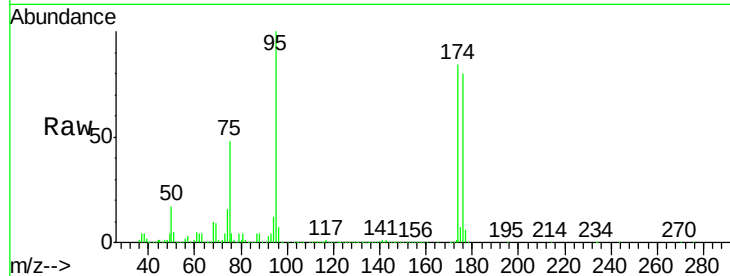
Tot Ion: 95 Resp: 333850

Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.2

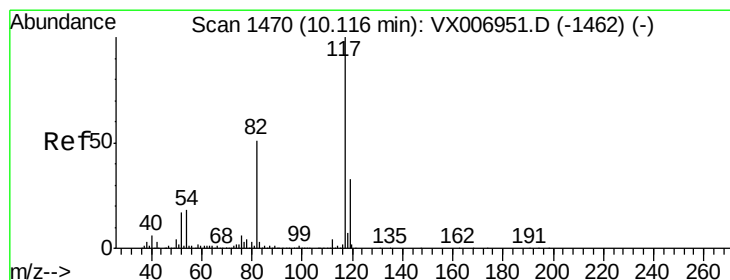
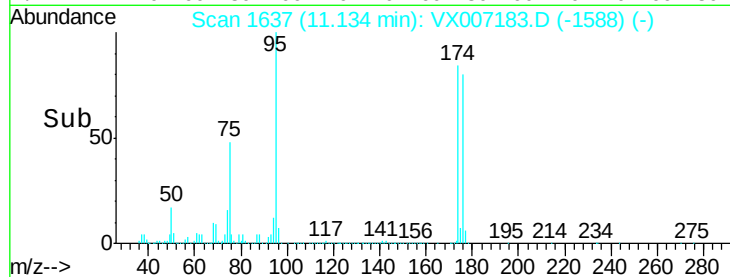
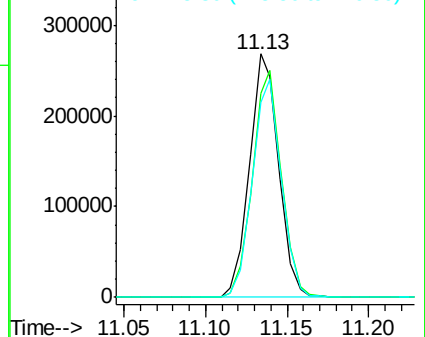
176 89.5 0.0 178.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

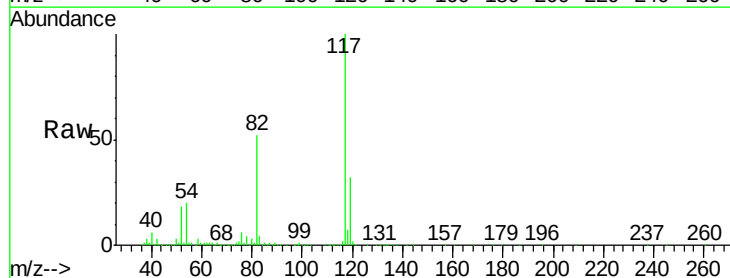
Tgt Ion: 117 Resp: 725534

Ion Ratio Lower Upper

117 100

82 51.6 41.0 61.6

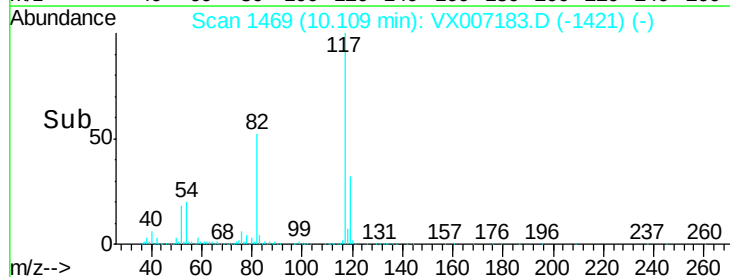
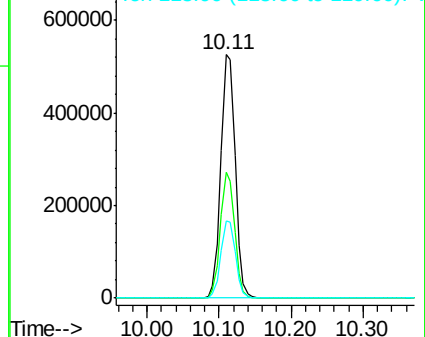
119 31.8 25.4 38.0

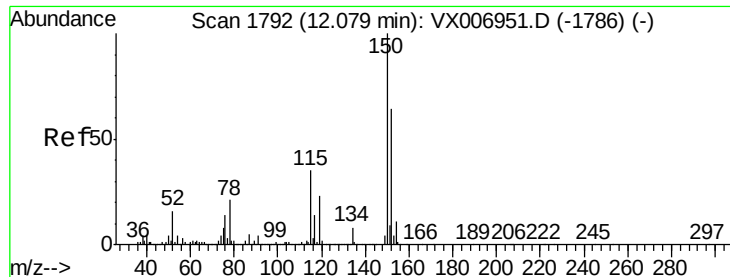


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



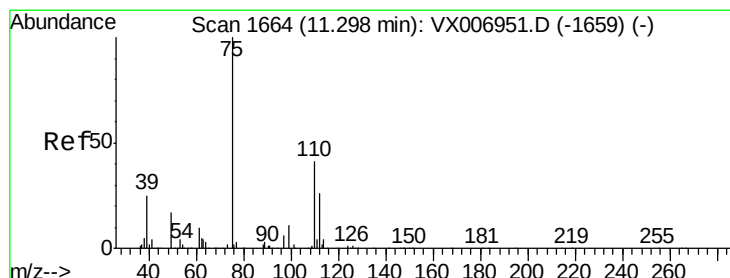
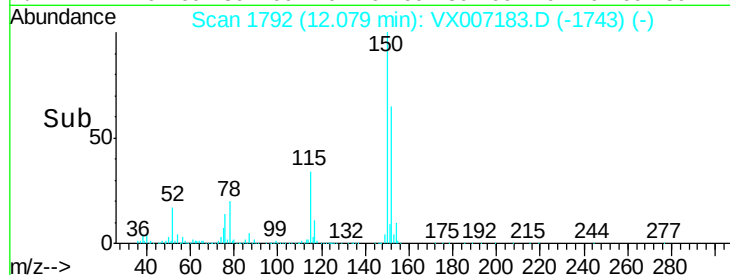
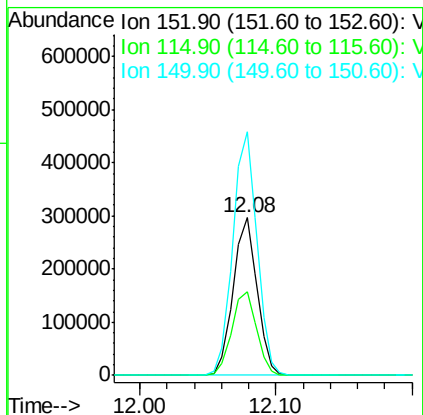
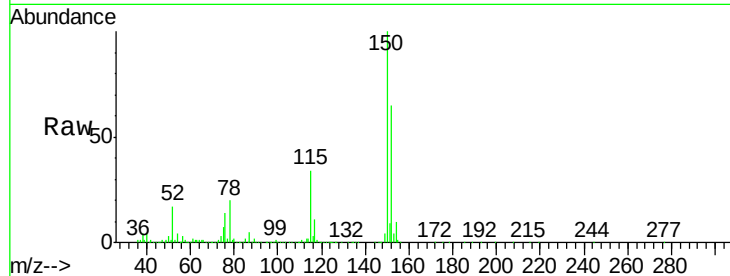


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007183.D
Acq: 22 Jan 2019 15:55

Instrument :
MSVOA_X
ClientSampleId :
SA-TW526-4246

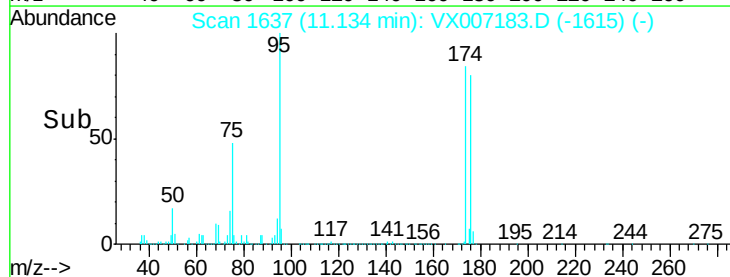
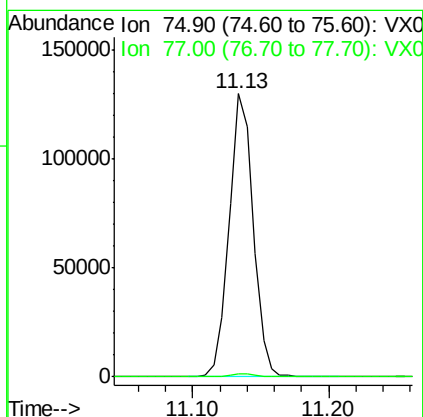
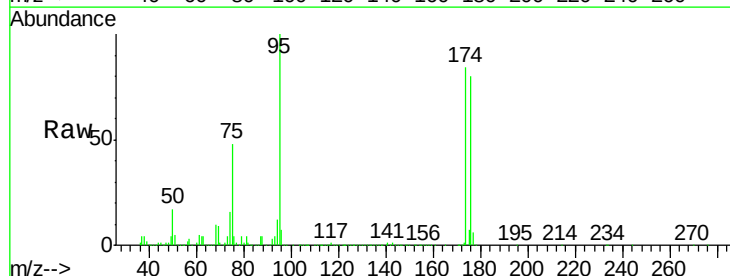
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.1	117.2
150	156.0	0.0	344.8

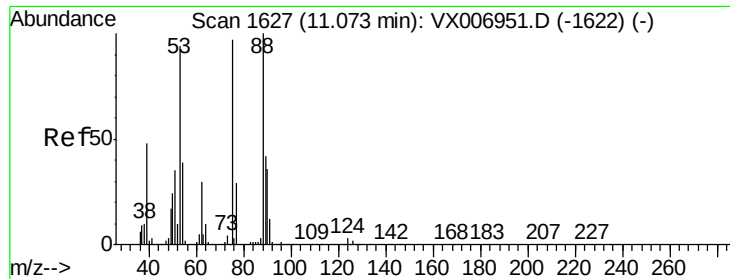


#76

1,2,3-Trichloropropane
Concen: 21.776 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007183.D
Acq: 22 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.5	55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007183.D

Acq: 22 Jan 2019 15:55

Instrument :

MSVOA_X

ClientSampleId :

SA-TW526-4246

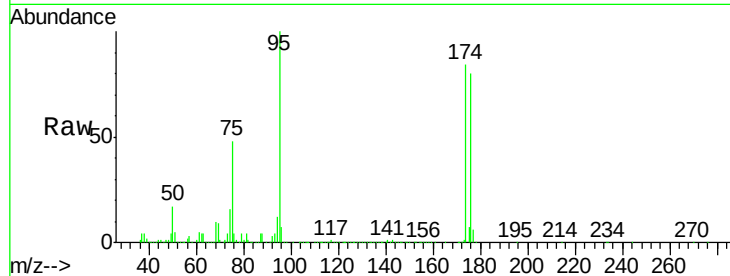
Tot Ion: 75 Resp: 160524

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

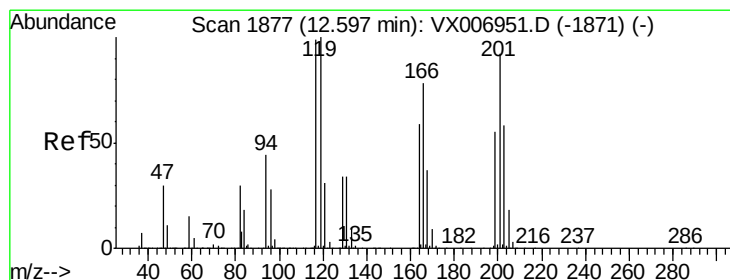
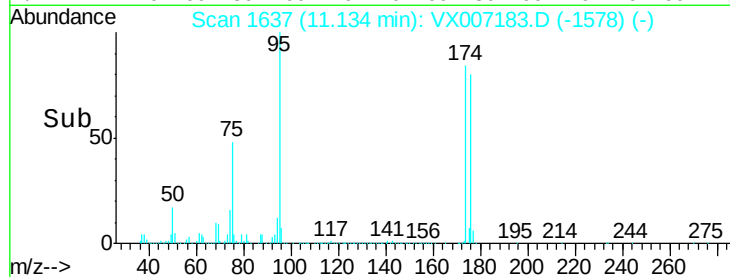
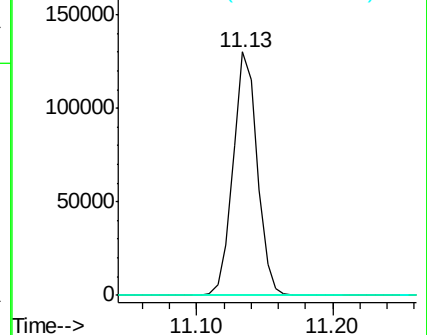
89 0.1 38.0 57.0#



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



#90

Hexachloroethane

Concen: 2.920 ug/l

RT: 12.57 min Scan# 1872

Delta R.T. -0.03 min

Lab File: VX007183.D

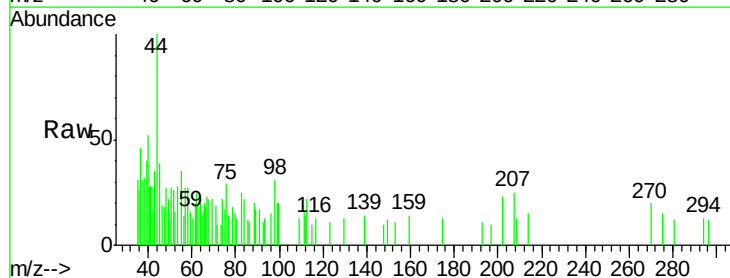
Acq: 22 Jan 2019 15:55

Tgt Ion: 117 Resp: 44

Ion Ratio Lower Upper

117 100

201 59.1 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

