

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007085.D
 Acq On : 17 Jan 2019 13:36
 Operator : JC/SP
 Sample : K1172-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E3TB02-190114

Quant Time: Jan 18 04:58:27 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	598311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	918178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	856167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	423800	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	313529	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.51	113	278362	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	8.71	98	1090103	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	392994	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	

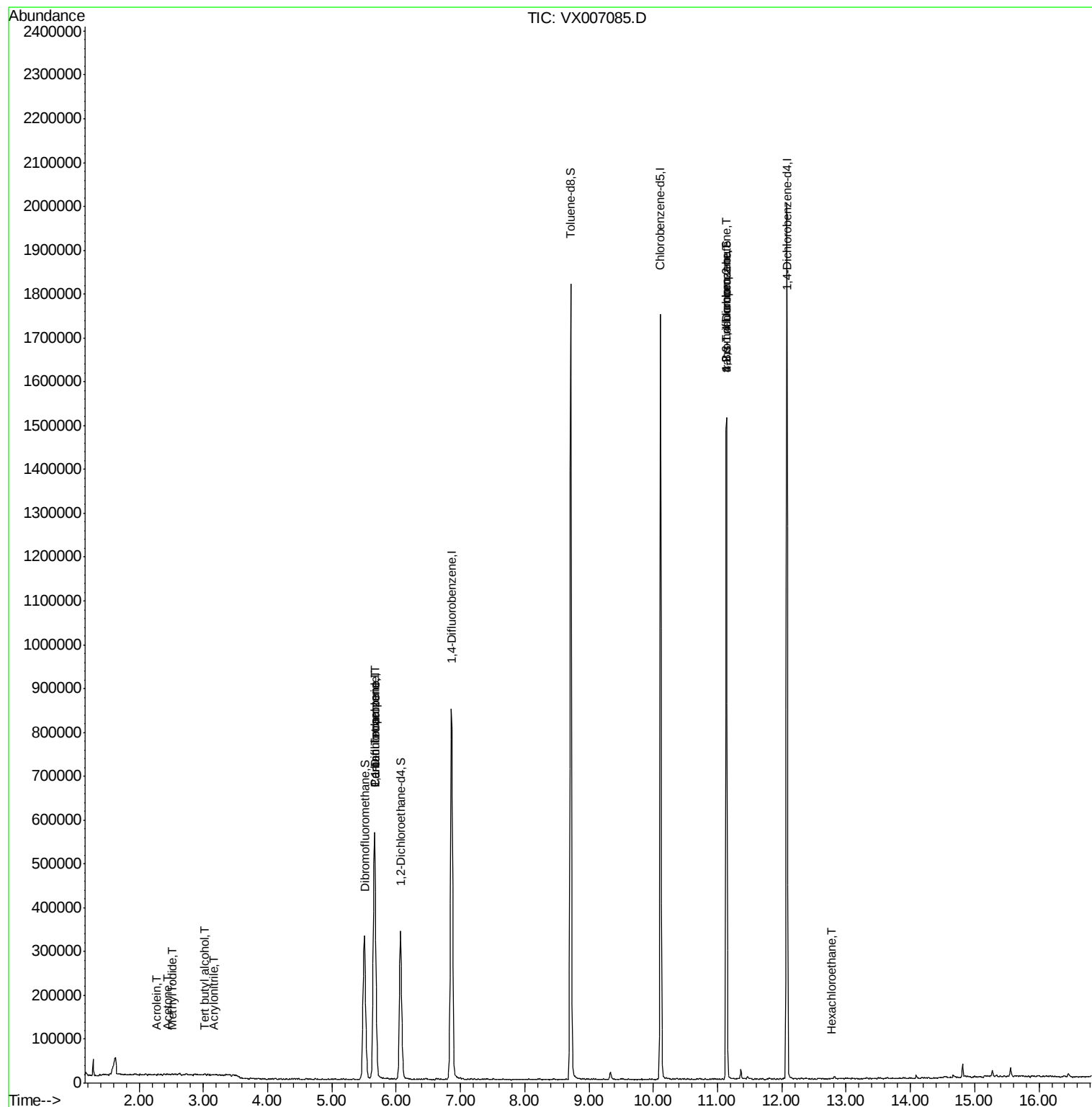
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	1607	0.200	ug/l #	48
11) Tert butyl alcohol	3.02	59	959	0.650	ug/l #	1
13) Acrolein	2.28	56	255	3.480	ug/l #	32
15) Acrylonitrile	3.16	53	959	0.283	ug/l #	63
16) Acetone	2.45	43	1504	0.487	ug/l #	82
20) Methylene Chloride	2.87	84	2019	Below Cal	#	43
36) 1,1-Dichloropropene	5.66	75	38250	4.792	ug/l #	48
38) Carbon Tetrachloride	5.66	117	54003	6.724	ug/l #	14
49) 1,4-Dioxane	7.77	88	54	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	188939	22.000	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	188939	65.153	ug/l #	10
90) Hexachloroethane	12.76	117	183	2.949	ug/l	68

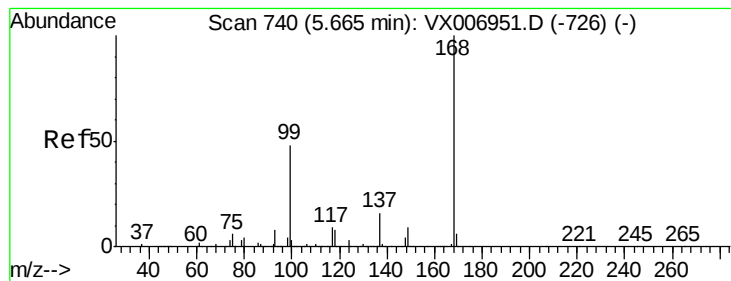
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007085.D

Acq: 17 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

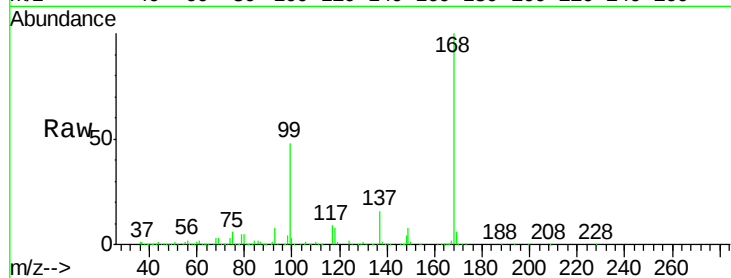
E3TB02-190114

Tot Ion:168 Resp: 598311

Ion Ratio Lower Upper

168 100

99 48.4 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

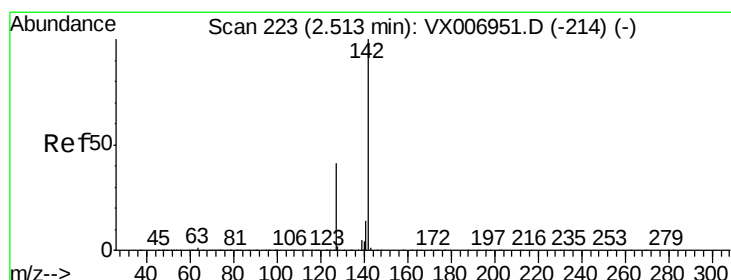
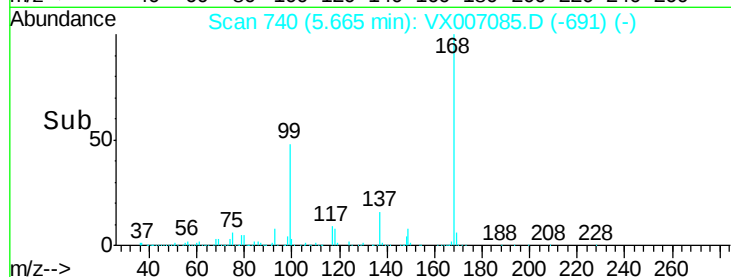
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 0.200 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

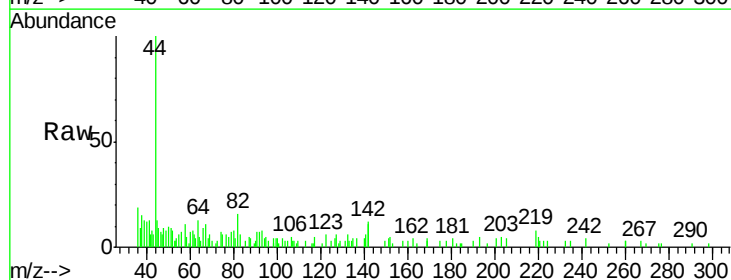
Tgt Ion:142 Resp: 1607

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

141 18.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

800

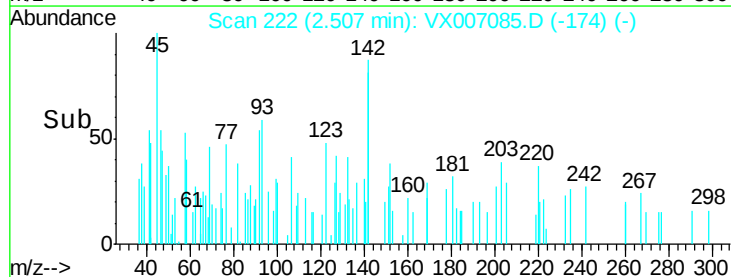
600

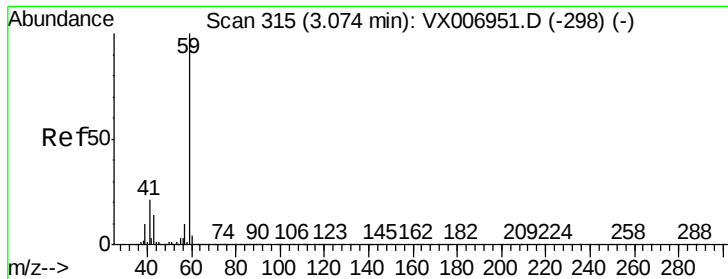
400

200

0

Time--> 2.45 2.50 2.55 2.60



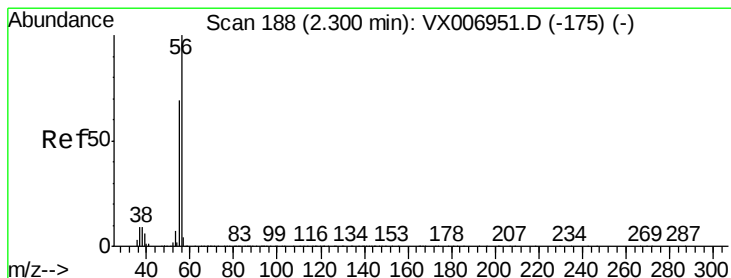
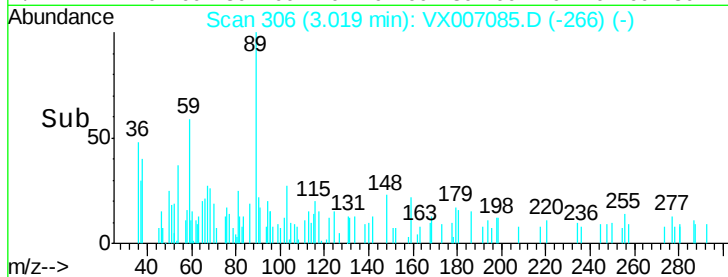
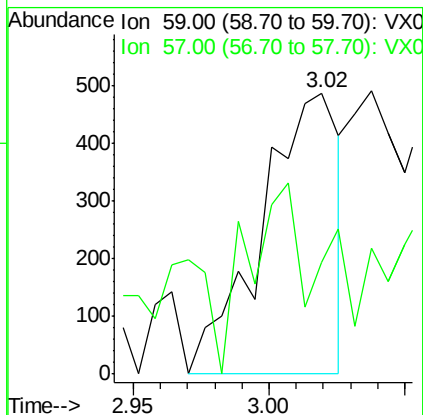
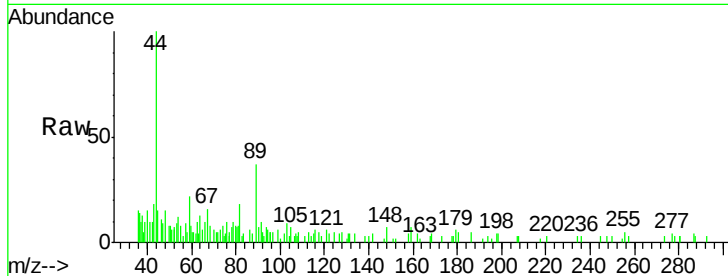


#11

Tert butyl alcohol
 Concen: 0.650 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX007085.D
 Acq: 17 Jan 2019 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 E3TB02-190114

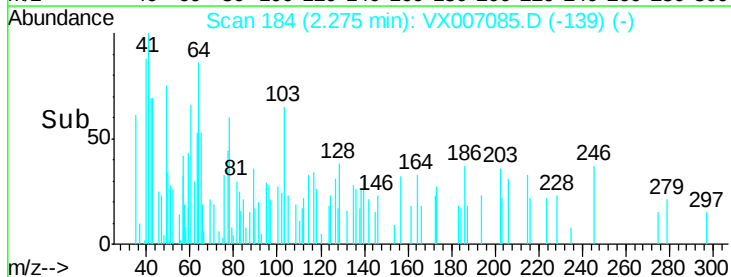
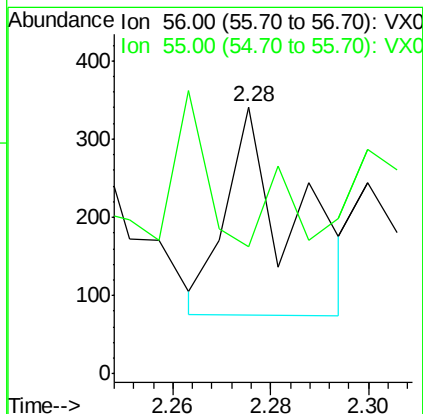
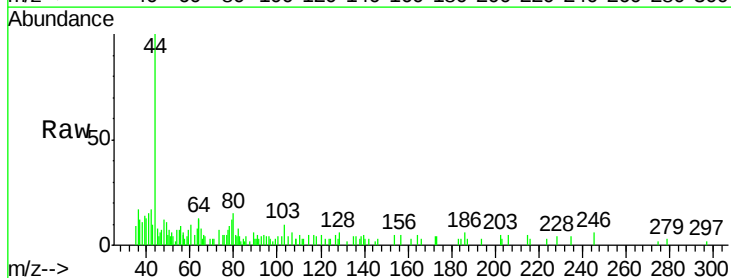
Tot Ion: 59 Resp: 959
 Ion Ratio Lower Upper
 59 100
 57 51.7 8.5 12.7#

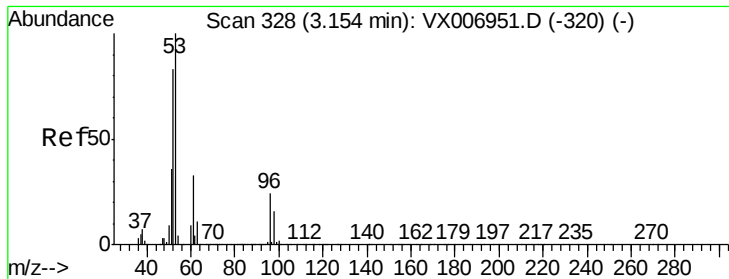


#13

Acrolein
 Concen: 3.480 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX007085.D
 Acq: 17 Jan 2019 13:36

Tgt Ion: 56 Resp: 255
 Ion Ratio Lower Upper
 56 100
 55 16.1 58.2 87.4#





#15

Acrylonitrile

Concen: 0.283 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampled :

E3TB02-190114

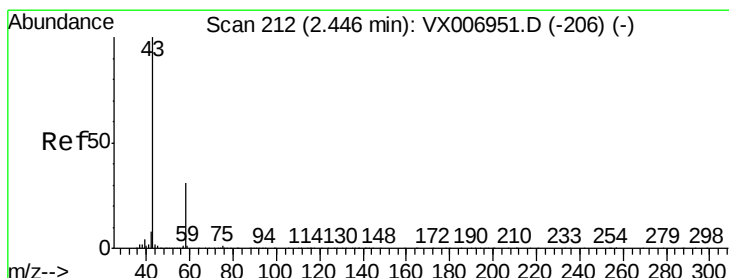
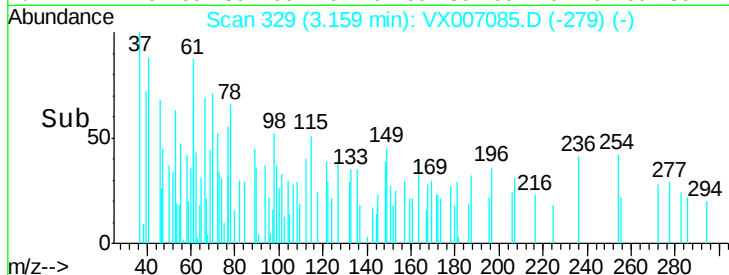
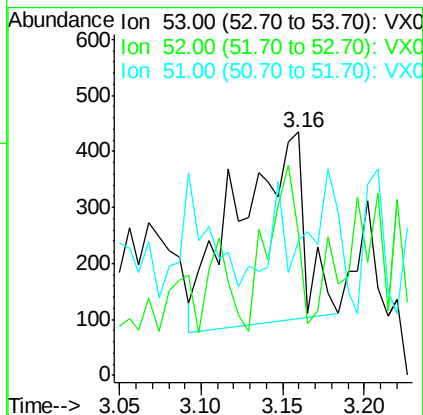
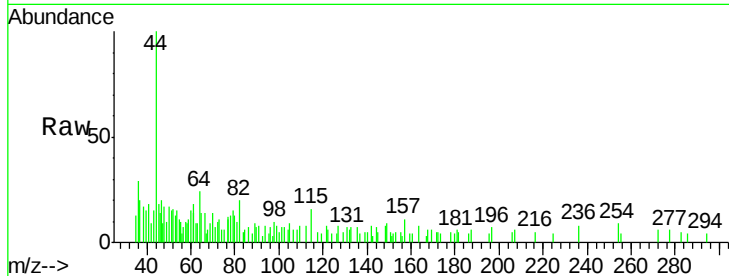
Tot Ion: 53 Resp: 959

Ion Ratio Lower Upper

53 100

52 39.0 66.0 99.0#

51 30.2 28.6 42.8



#16

Acetone

Concen: 0.487 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007085.D

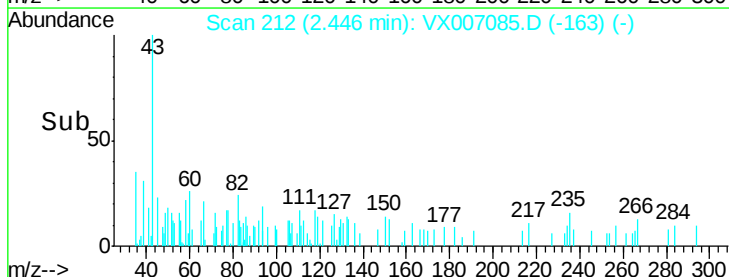
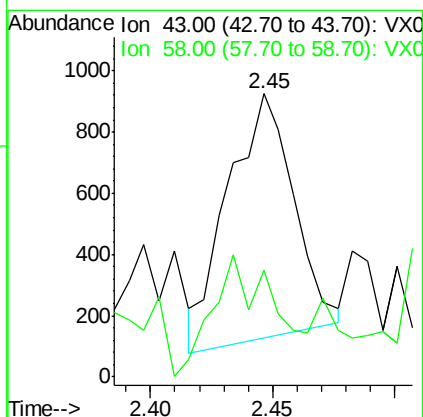
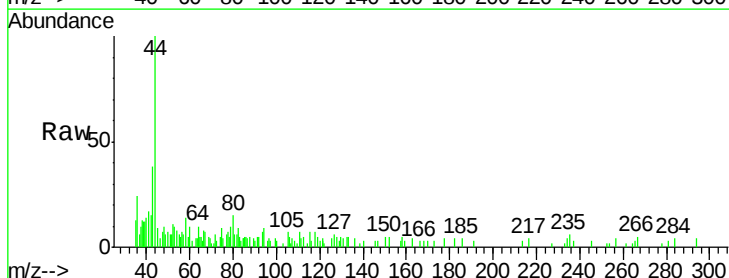
Acq: 17 Jan 2019 13:36

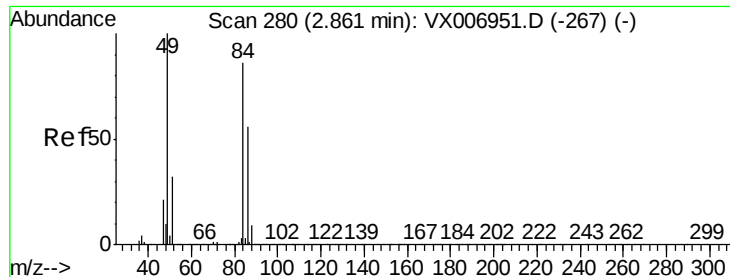
Tgt Ion: 43 Resp: 1504

Ion Ratio Lower Upper

43 100

58 41.4 25.0 37.6#

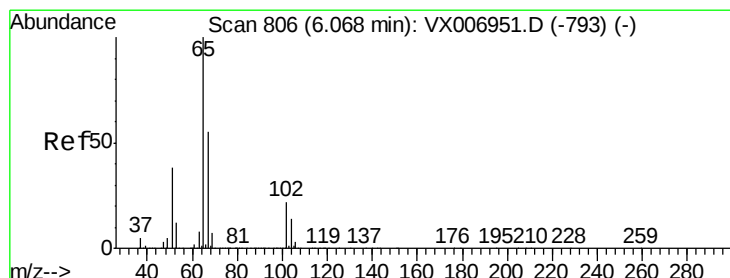
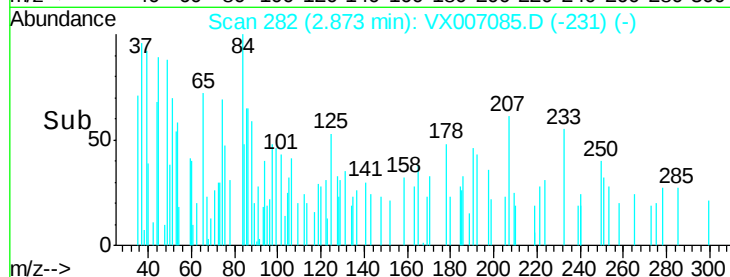
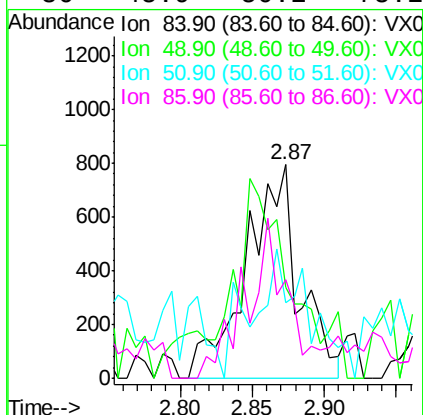
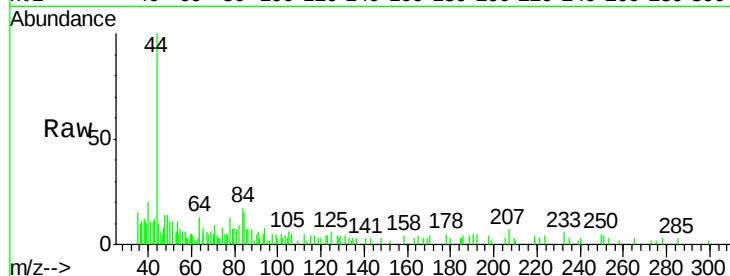




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX007085.D
Acq: 17 Jan 2019 13:36

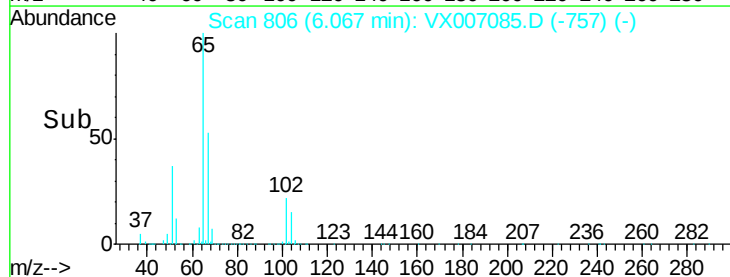
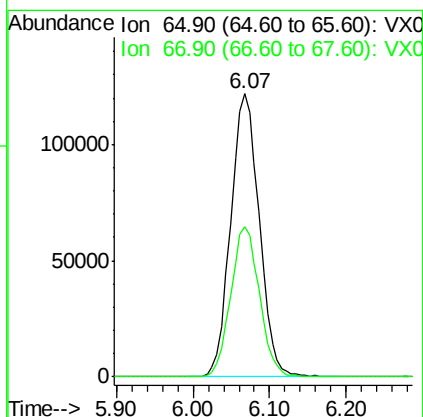
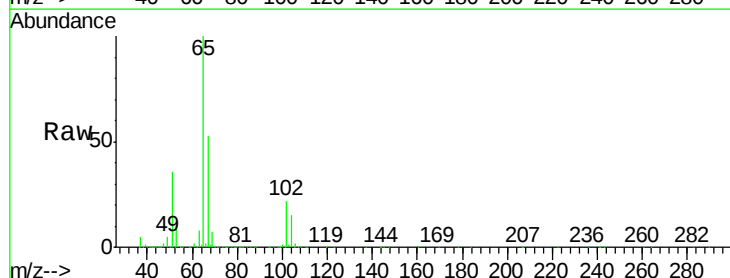
Instrument :
MSVOA_X
ClientSampleId :
E3TB02-190114

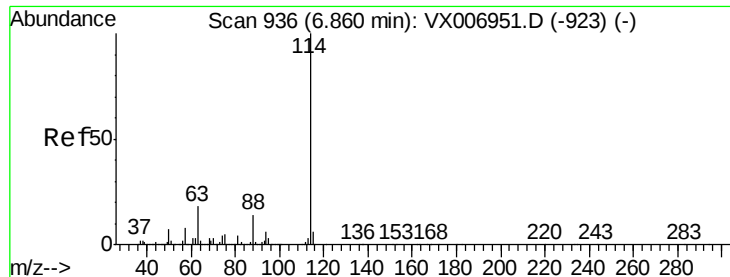
Tot Ion: 84 Resp: 2019
Ion Ratio Lower Upper
84 100
49 21.8 91.8 137.6#
51 21.4 28.5 42.7#
86 45.9 50.2 75.2#



#33
1,2-Dichloroethane-d4
Concen: 50.142 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007085.D
Acq: 17 Jan 2019 13:36

Tgt Ion: 65 Resp: 313529
Ion Ratio Lower Upper
65 100
67 53.4 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: VX007085.D

Acq: 17 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

E3TB02-190114

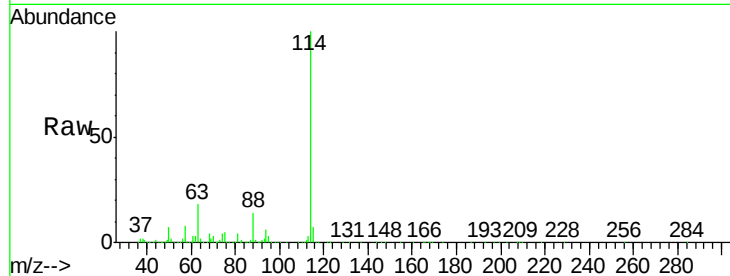
Tot Ion:114 Resp: 918178

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

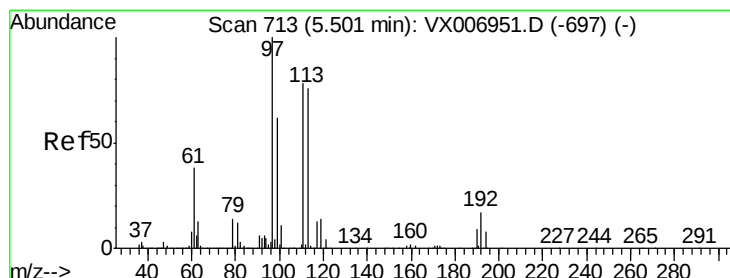
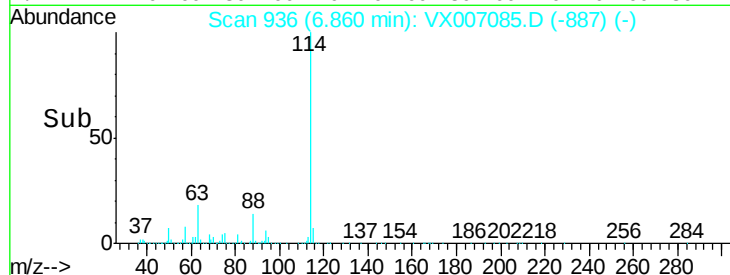
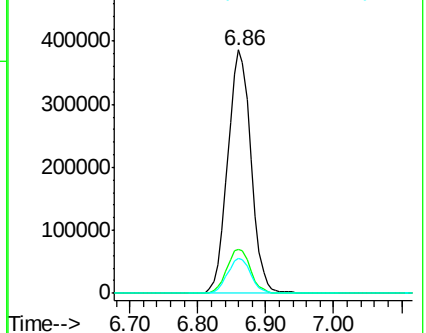
88 14.5 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 47.341 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

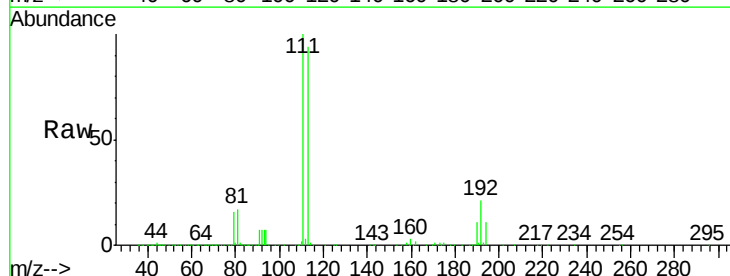
Tgt Ion:113 Resp: 278362

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

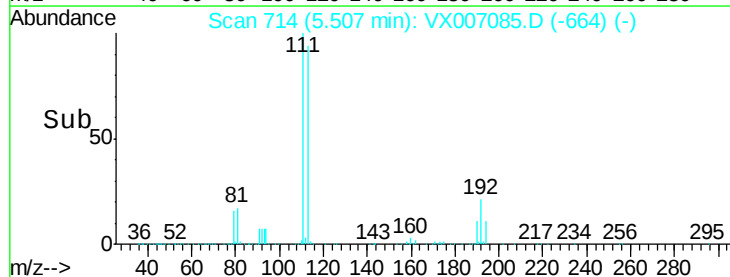
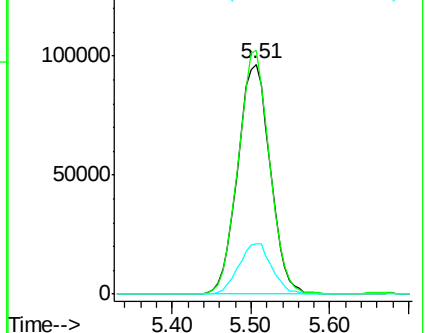
192 22.4 16.7 25.1

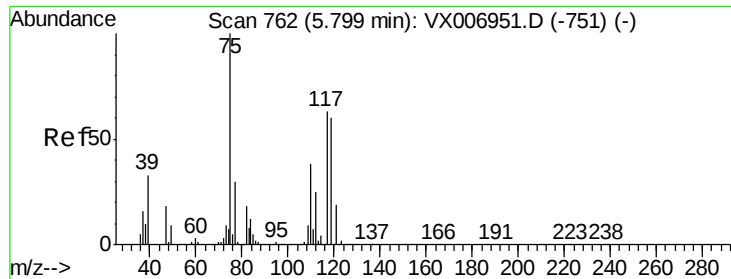


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.792 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

E3TB02-190114

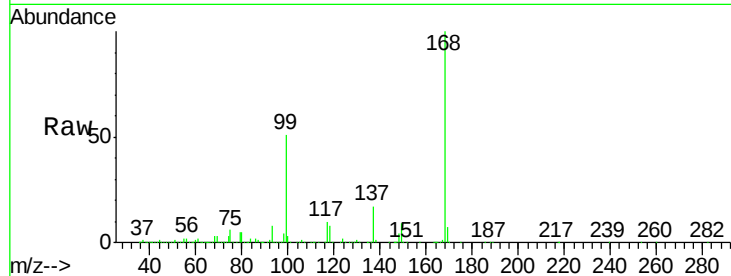
Tot Ion: 75 Resp: 38250

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

77 0.0 24.8 37.2#

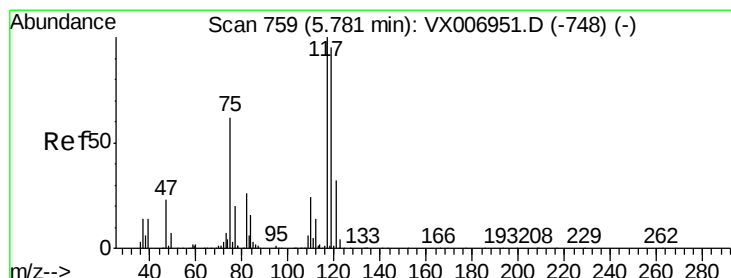
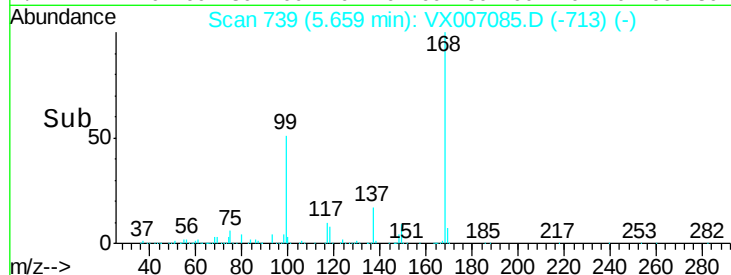


Abundance Ion 74.90 (74.60 to 75.60): VX006951.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX006951.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX006951.D (-751) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.724 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

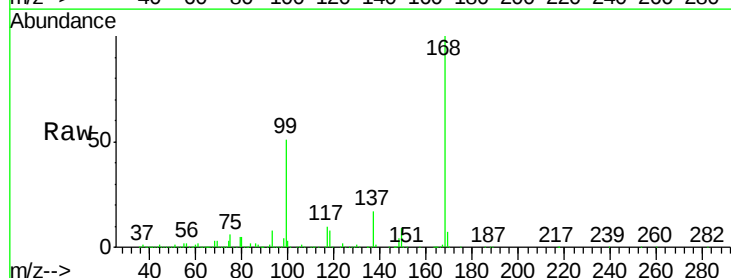
Tgt Ion: 117 Resp: 54003

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

121 0.0 24.0 36.0#

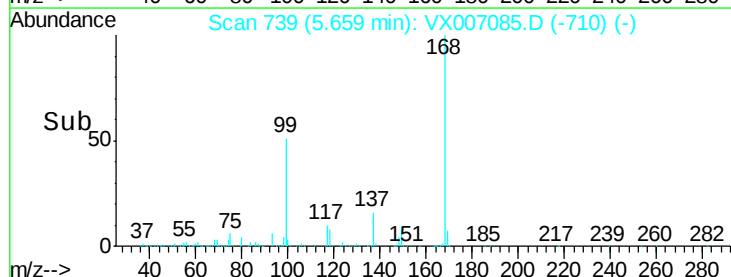


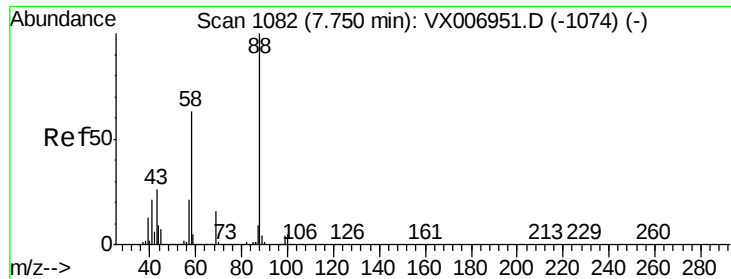
Abundance Ion 116.80 (116.50 to 117.50): VX006951.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX006951.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX006951.D (-748) (-)

Time-->

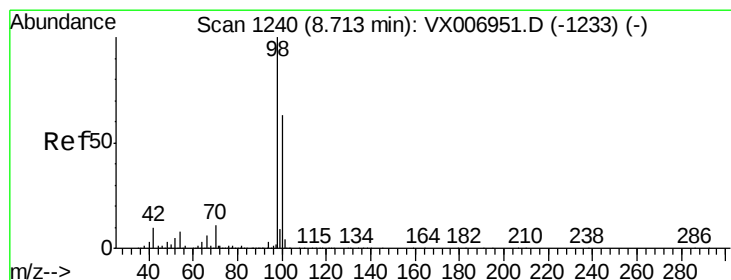
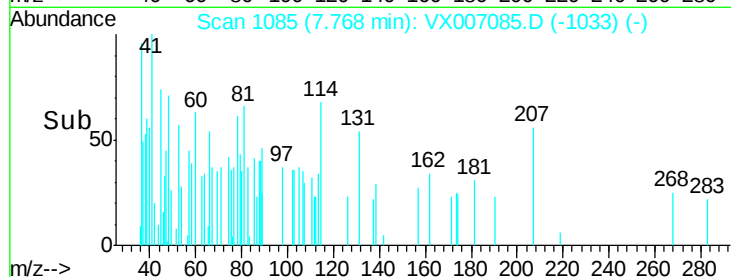
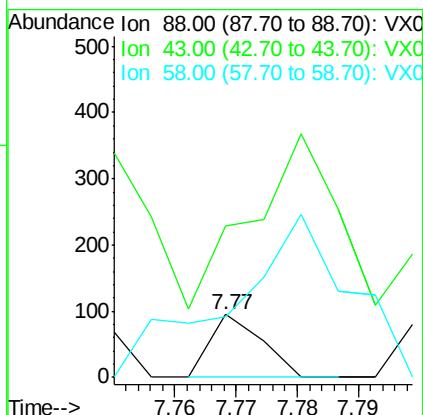
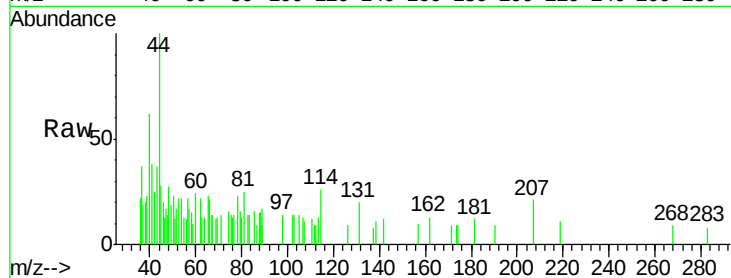




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.77 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VX007085.D
Acq: 17 Jan 2019 13:36

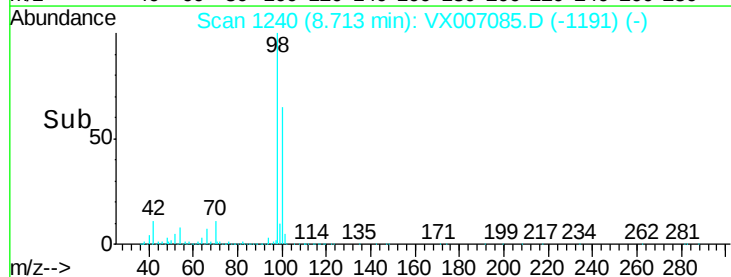
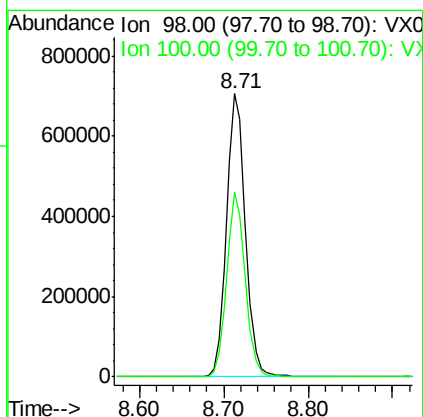
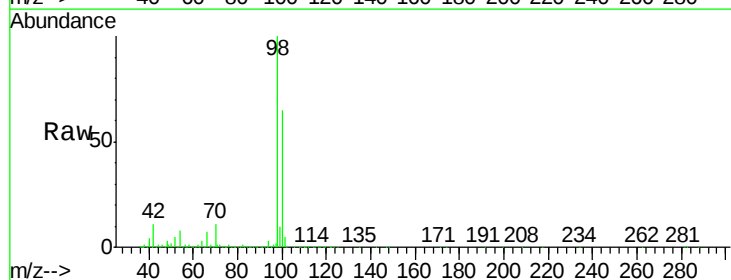
Instrument :
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E3TB02-190114

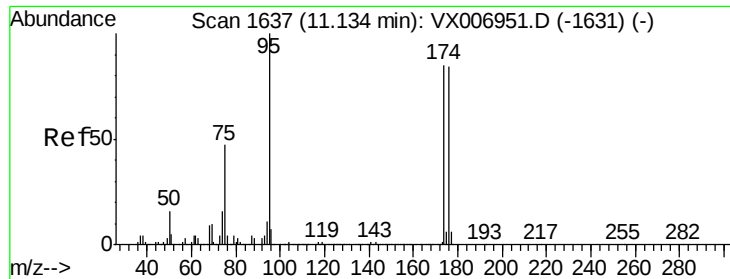
Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 842.6 22.2 33.4#
58 675.9 51.0 76.4#



#50
Toluene-d8
Concen: 50.650 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007085.D
Acq: 17 Jan 2019 13:36

Tgt Ion: 98 Resp: 1090103
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

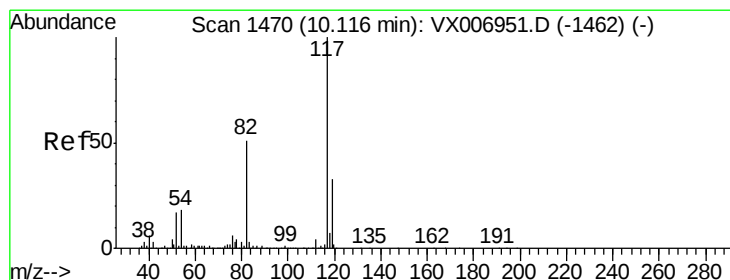
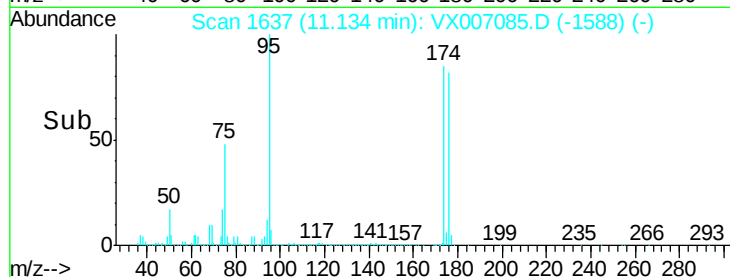
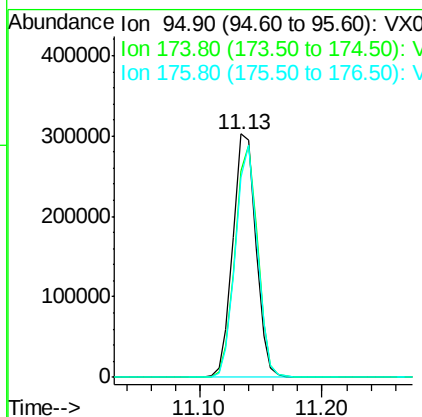
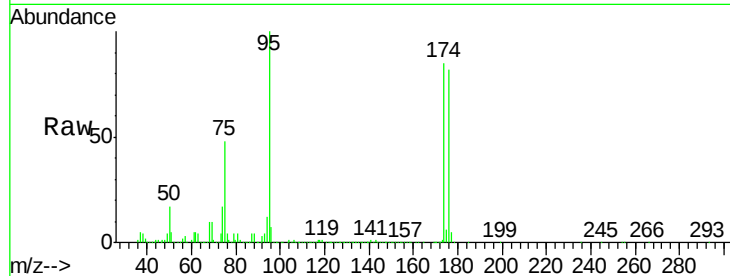




#62
4-Bromofluorobenzene
Concen: 52.376 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007085.D
Acq: 17 Jan 2019 13:36

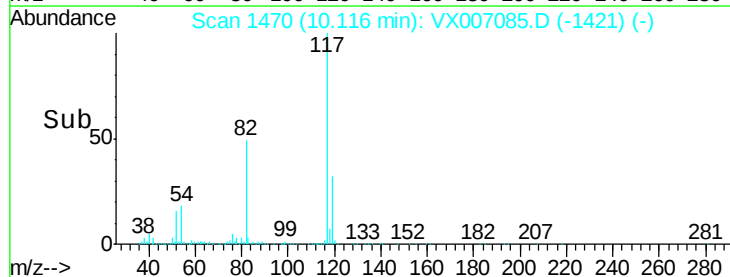
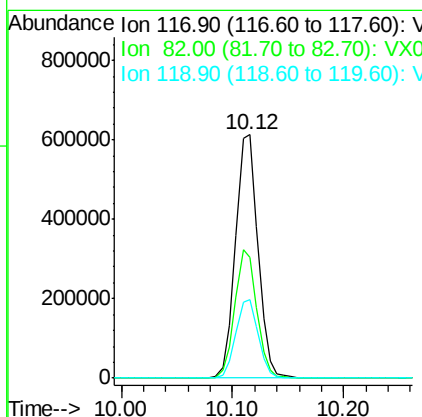
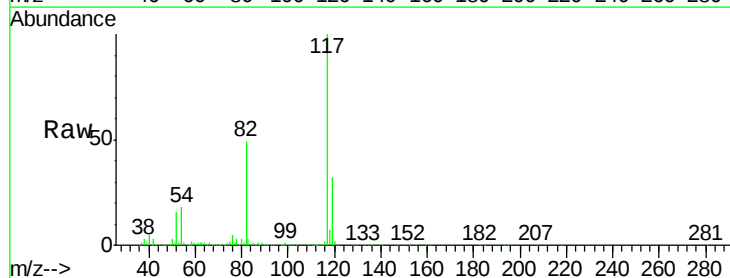
Instrument :
MSVOA_X
ClientSampleId :
E3TB02-190114

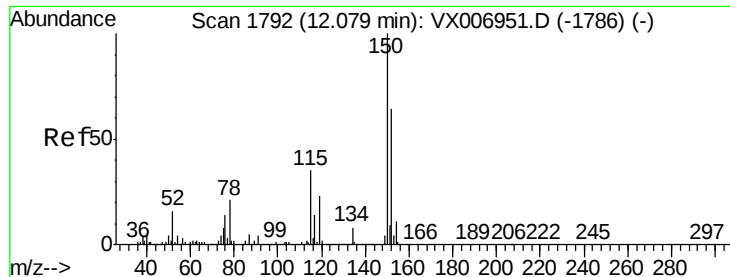
Tot Ion: 95 Resp: 392994
Ion Ratio Lower Upper
95 100
174 93.1 0.0 182.2
176 90.7 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007085.D
Acq: 17 Jan 2019 13:36

Tgt Ion: 117 Resp: 856167
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.6
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

E3TB02-190114

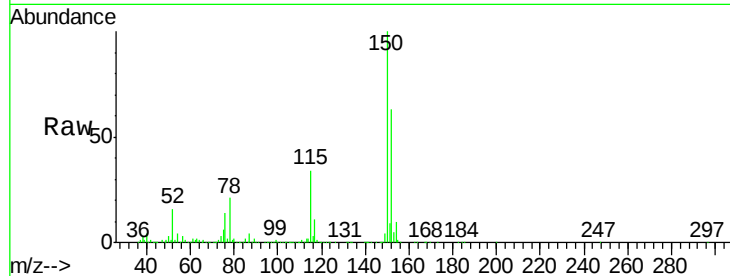
Tot Ion:152 Resp: 423800

Ion Ratio Lower Upper

152 100

115 54.0 39.1 117.2

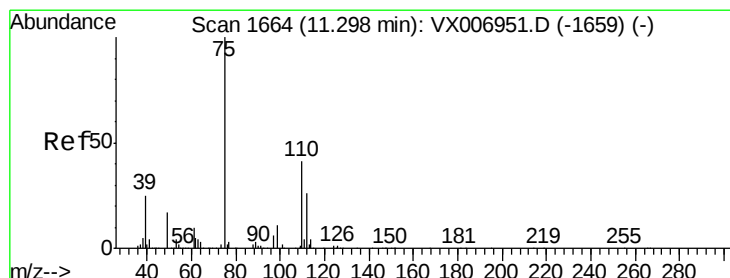
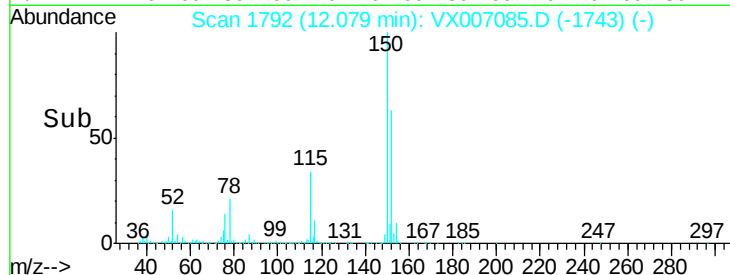
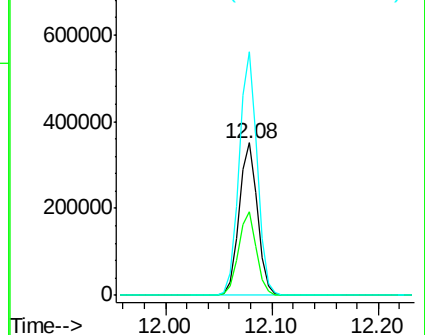
150 157.3 0.0 344.8



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: 22.000 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007085.D

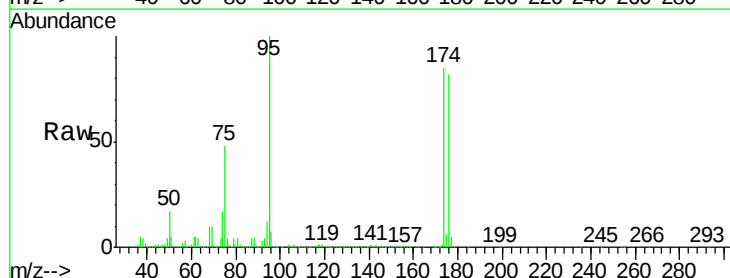
Acq: 17 Jan 2019 13:36

Tgt Ion: 75 Resp: 188939

Ion Ratio Lower Upper

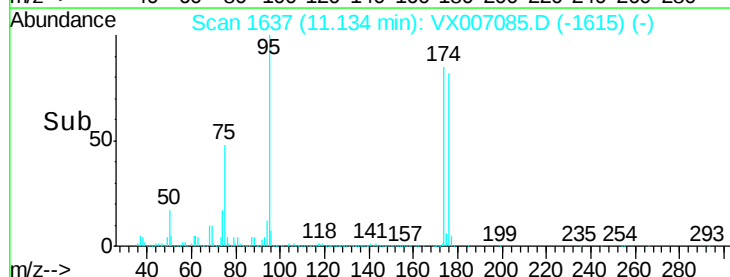
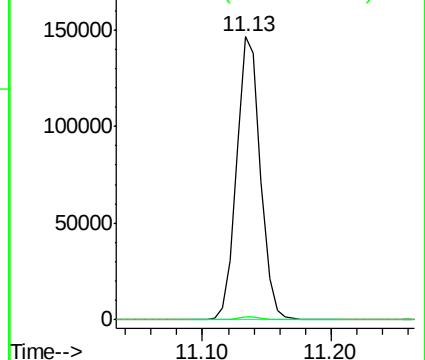
75 100

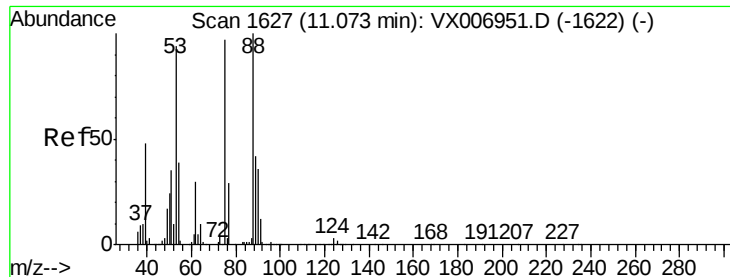
77 1.2 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.153 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007085.D

Acq: 17 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

E3TB02-190114

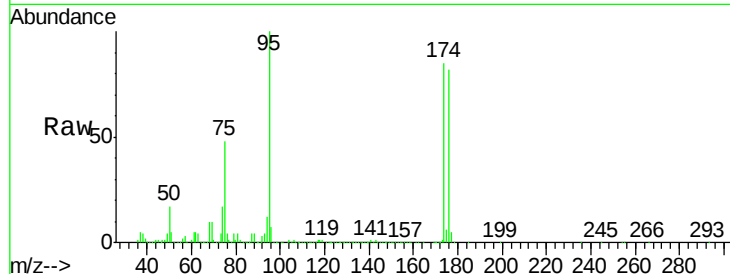
Tot Ion: 75 Resp: 188939

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

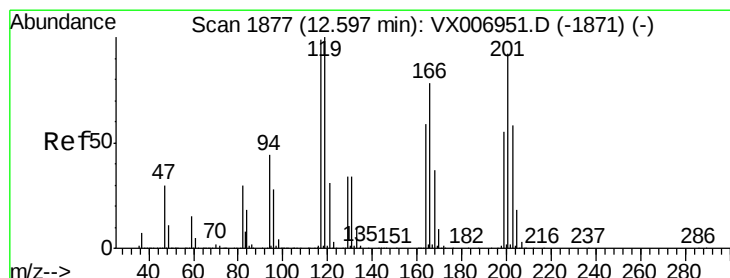
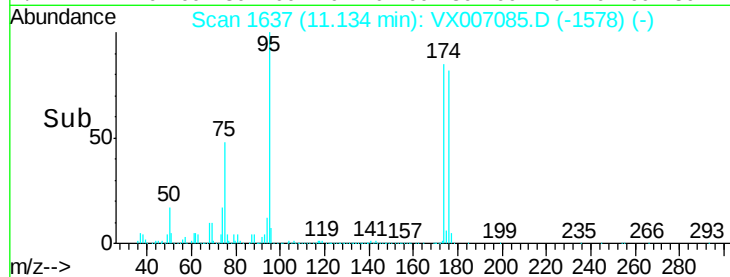
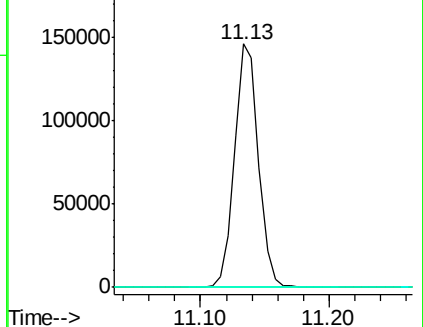
89 0.1 38.0 57.0#



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: 2.949 ug/l

RT: 12.76 min Scan# 1904

Delta R.T. 0.17 min

Lab File: VX007085.D

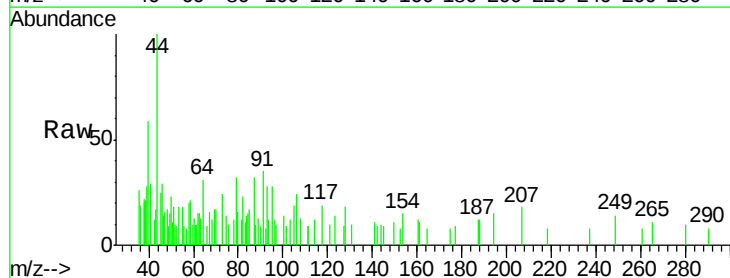
Acq: 17 Jan 2019 13:36

Tgt Ion: 117 Resp: 183

Ion Ratio Lower Upper

117 100

201 56.8 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

