

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007133.D
 Acq On : 18 Jan 2019 14:29
 Operator : JC/SP
 Sample : K1199-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20190115

Quant Time: Jan 18 21:50:44 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	536658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	836114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	790917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	388757	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	291721	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	5.51	113	256142	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	1008331	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.13	95	364353	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	

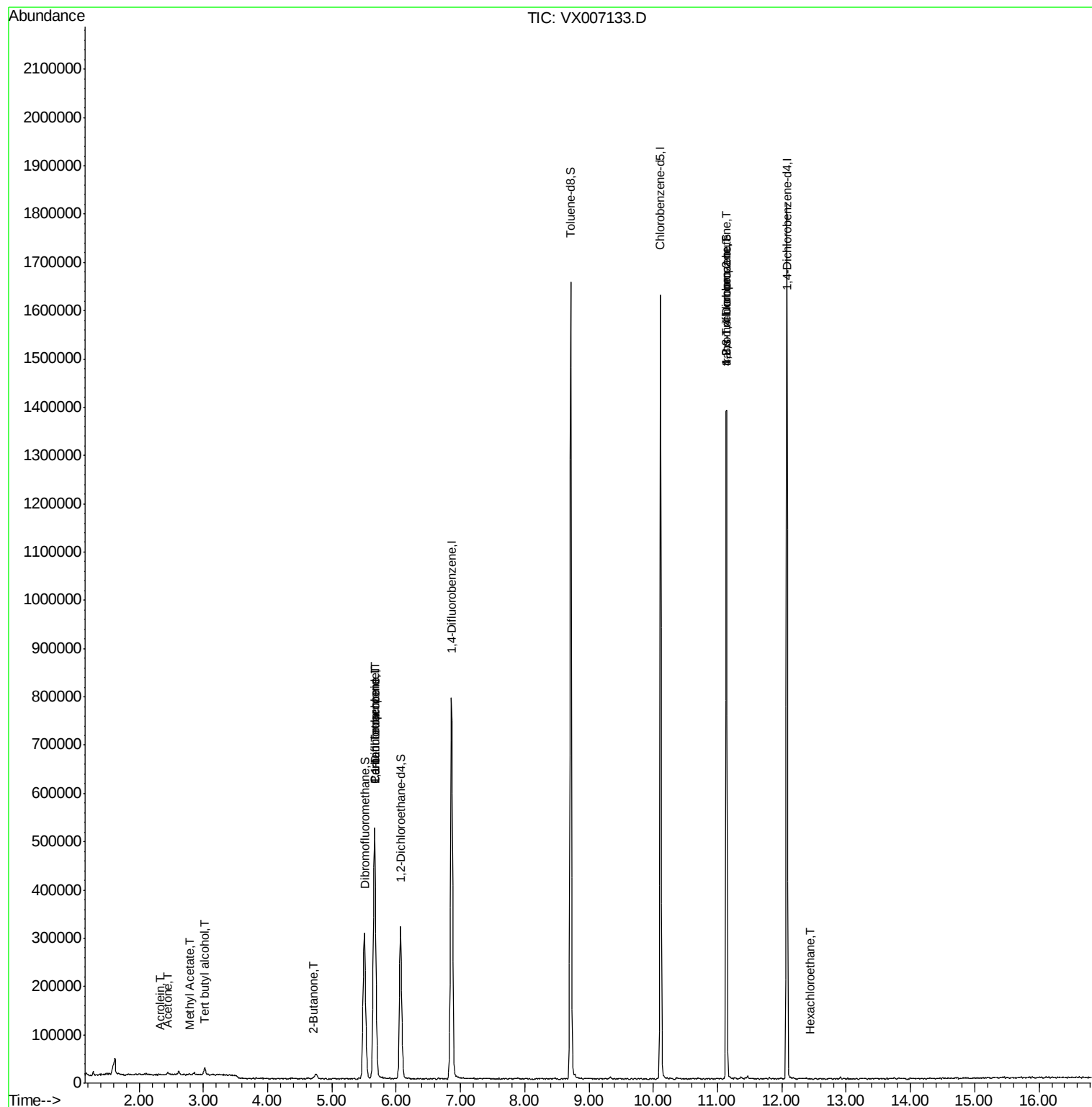
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	9936	7.510	ug/l #	76
13) Acrolein	2.33	56	394	3.766	ug/l #	13
16) Acetone	2.45	43	5597	2.019	ug/l #	83
18) Methyl Acetate	2.78	43	2221	0.277	ug/l #	56
20) Methylene Chloride	2.85	84	2509	Below Cal	#	78
25) 2-Butanone	4.70	43	1253	0.316	ug/l #	87
36) 1,1-Dichloropropene	5.66	75	33693	4.635	ug/l #	49
38) Carbon Tetrachloride	5.66	117	49743	6.801	ug/l #	15
49) 1,4-Dioxane	7.74	88	145	Below Cal	#	16
76) 1,2,3-Trichloropropane	11.13	75	173150	21.979	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	173150	65.094	ug/l #	10
90) Hexachloroethane	12.44	117	52	2.921	ug/l	65

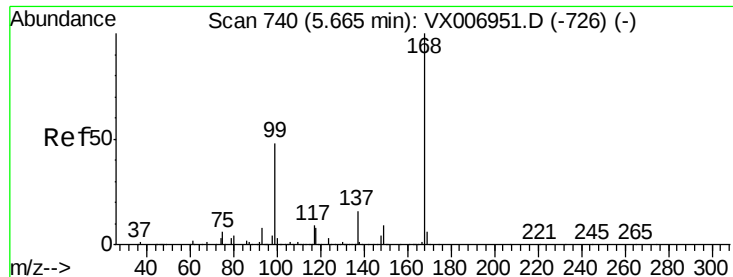
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

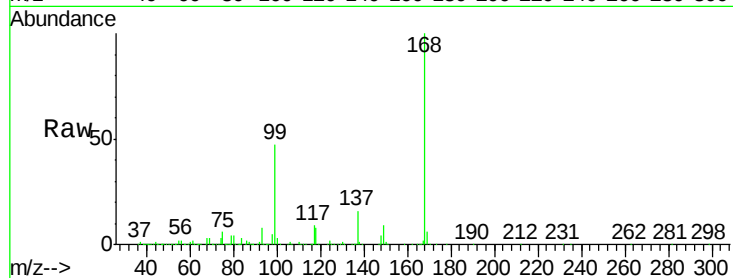
EB02-20190115

Tot Ion:168 Resp: 536658

Ion Ratio Lower Upper

168 100

99 47.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

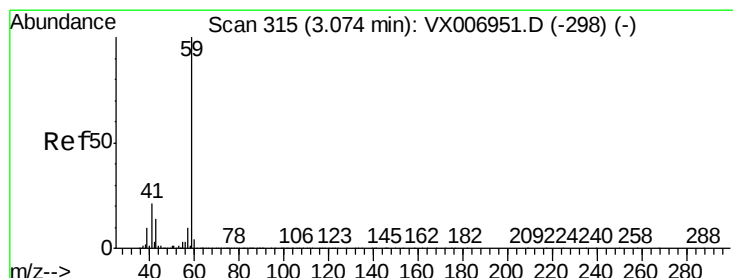
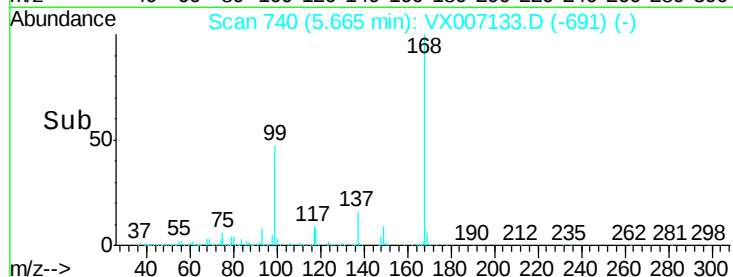
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#11

Tert butyl alcohol

Concen: 7.510 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007133.D

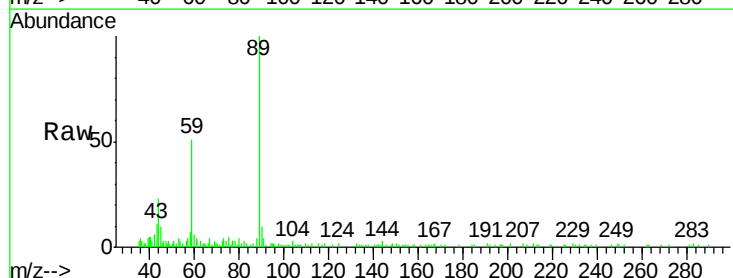
Acq: 18 Jan 2019 14:29

Tgt Ion: 59 Resp: 9936

Ion Ratio Lower Upper

59 100

57 1.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

4000

3000

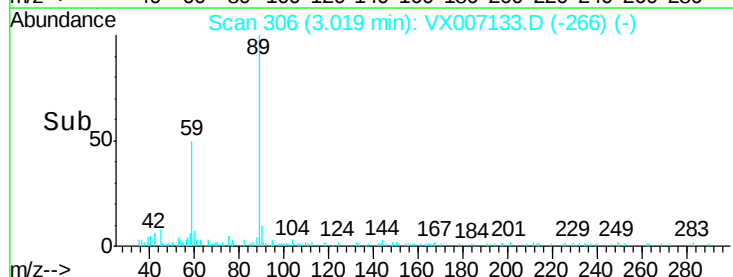
2000

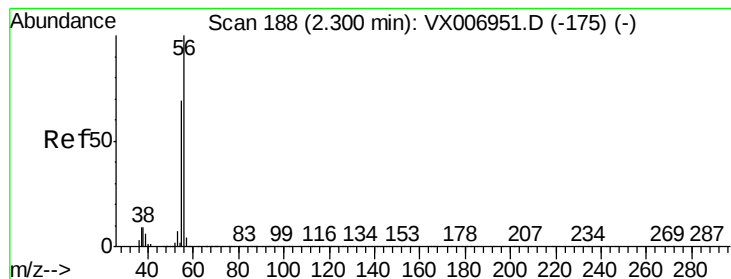
1000

0

2.90 3.00 3.10

Time-->





#13

Acrolein

Concen: 3.766 ug/l

RT: 2.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

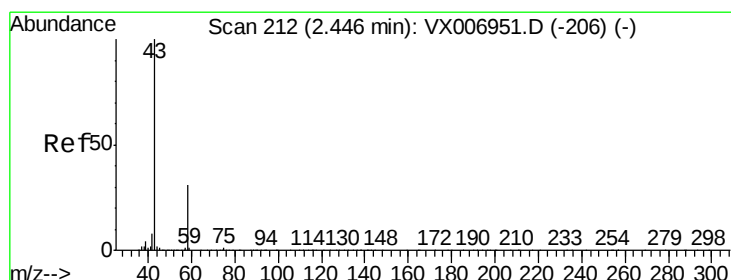
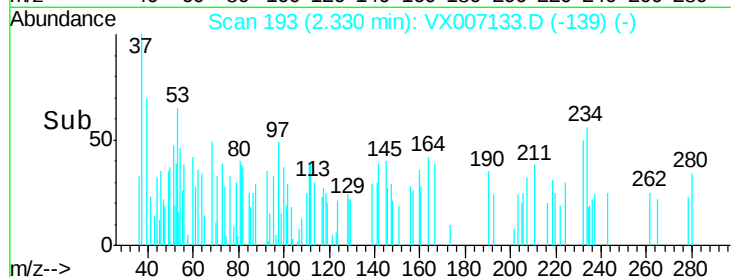
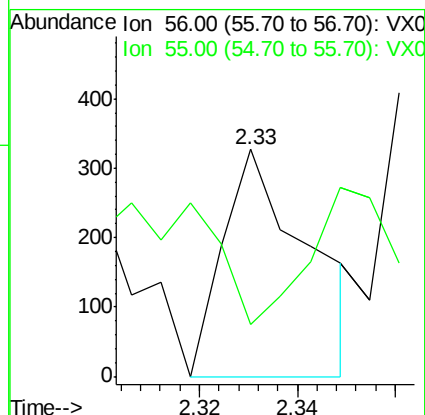
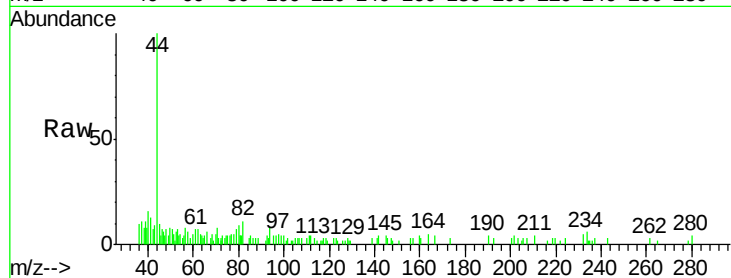
EB02-20190115

Tot Ion: 56 Resp: 394

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 2.019 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007133.D

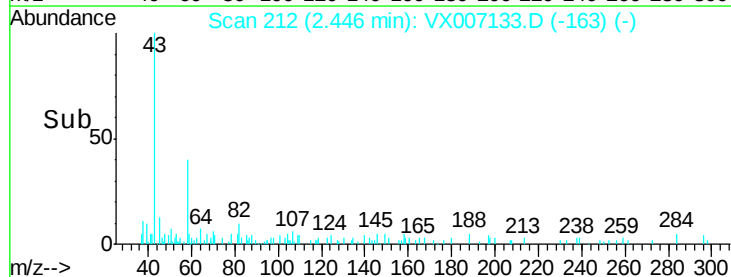
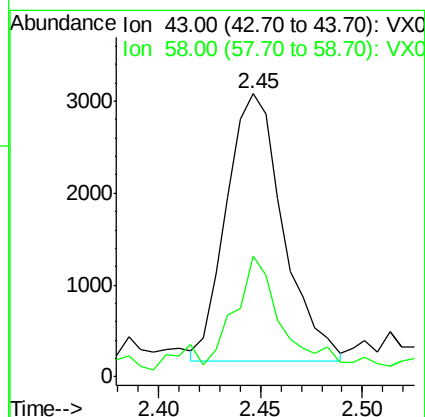
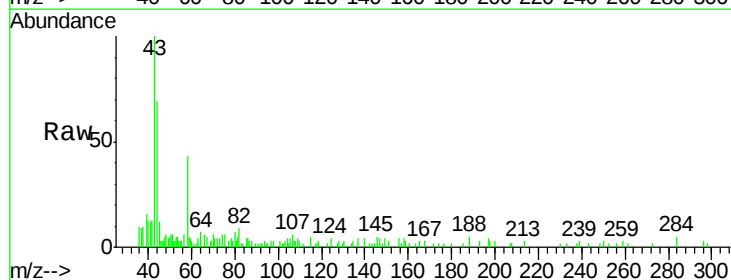
Acq: 18 Jan 2019 14:29

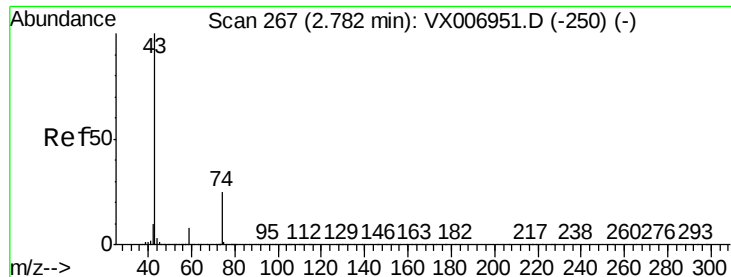
Tgt Ion: 43 Resp: 5597

Ion Ratio Lower Upper

43 100

58 40.8 25.0 37.6#

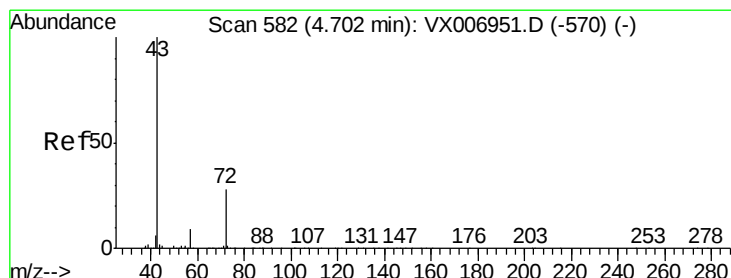
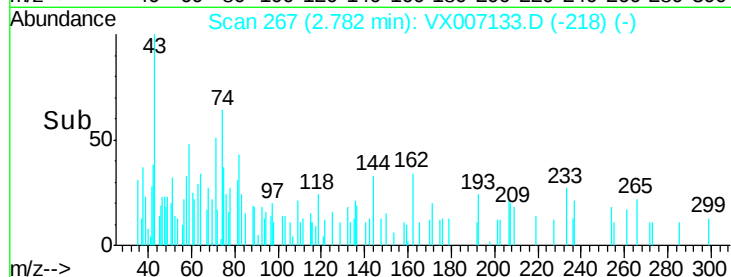
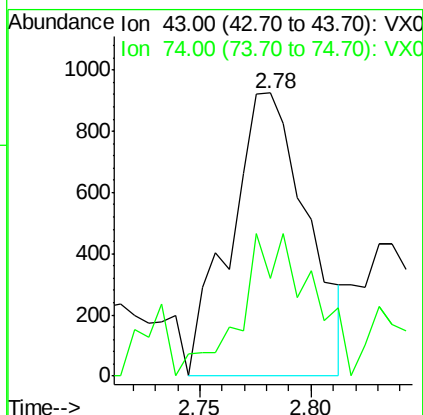
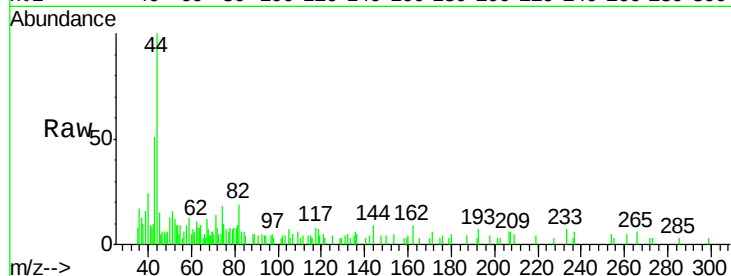




#18
Methvl Acetate
Concen: 0.277 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007133.D
Acq: 18 Jan 2019 14:29

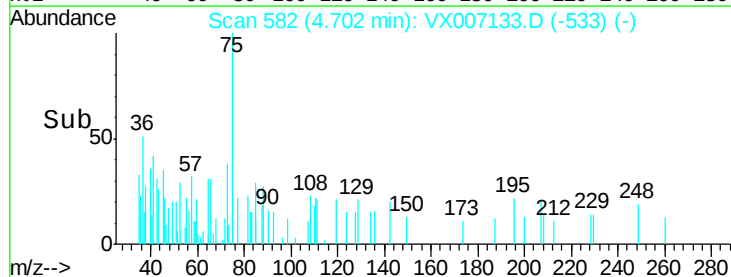
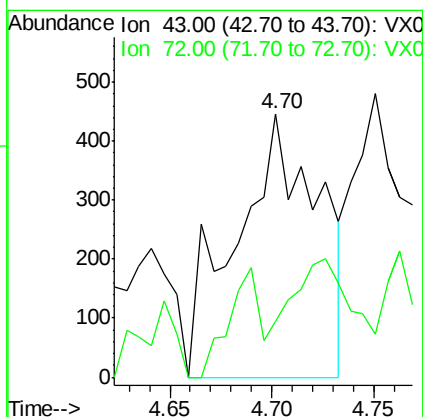
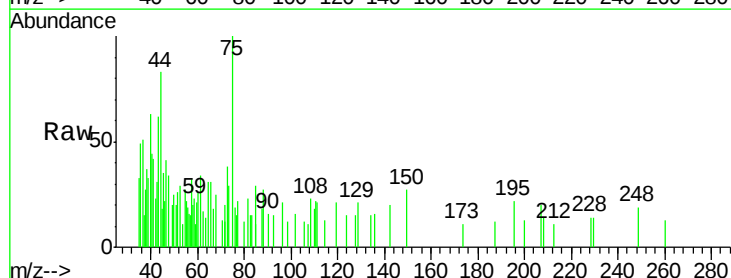
Instrument :
MSVOA_X
ClientSampleId :
EB02-20190115

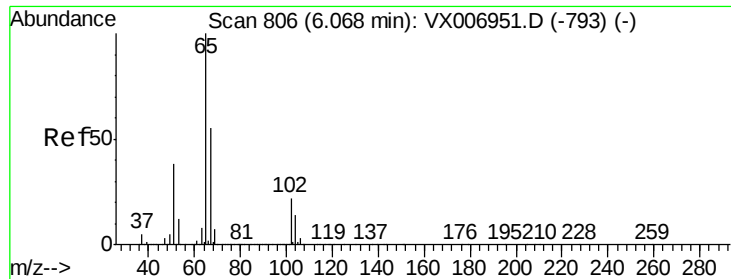
Tot Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 44.8 18.6 28.0#



#25
2-Butanone
Concen: 0.316 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX007133.D
Acq: 18 Jan 2019 14:29

Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
72 21.1 22.4 33.6#





#33

1,2-Dichloroethane-d4

Concen: 52.014 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

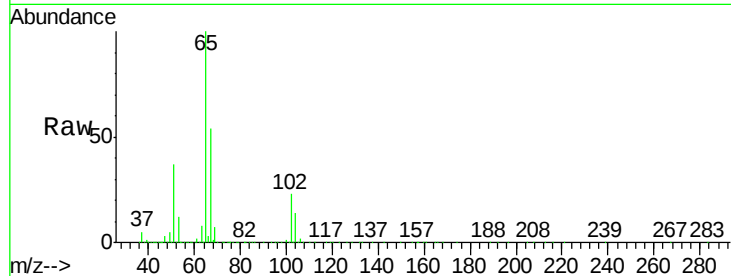
EB02-20190115

Tot Ion: 65 Resp: 291721

Ion Ratio Lower Upper

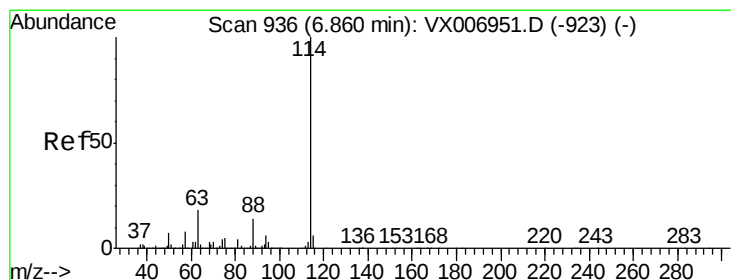
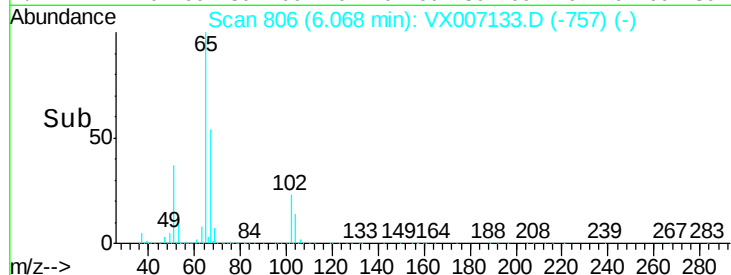
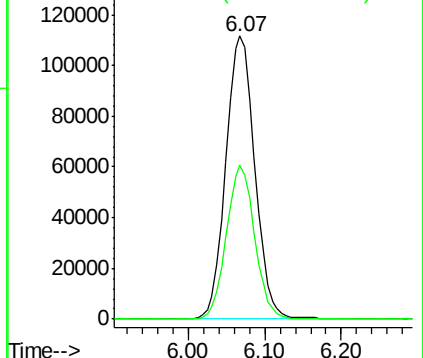
65 100

67 53.3 0.0 105.0



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: VX007133.D

Acq: 18 Jan 2019 14:29

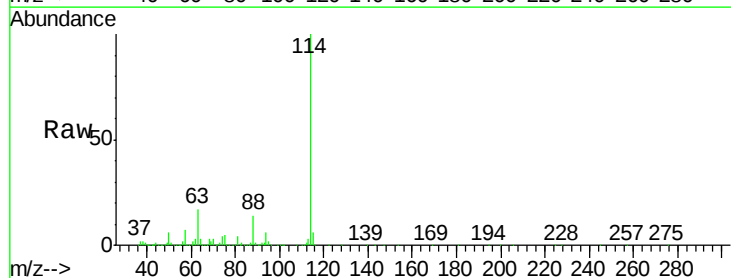
Tgt Ion: 114 Resp: 836114

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.8

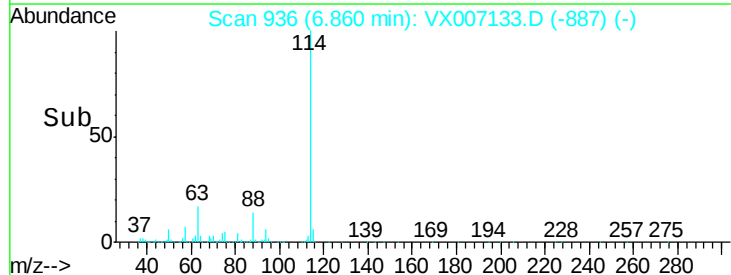
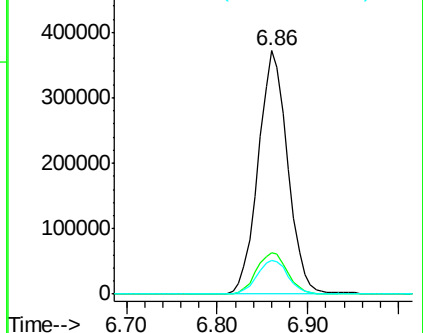
88 14.0 0.0 28.8

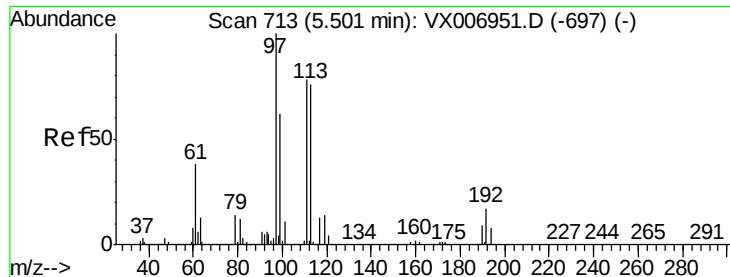


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.837 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

EB02-20190115

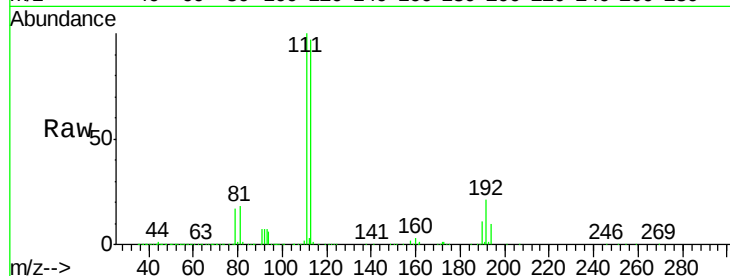
Tot Ion:113 Resp: 256142

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

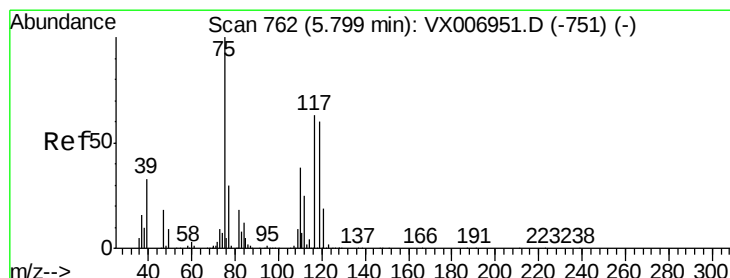
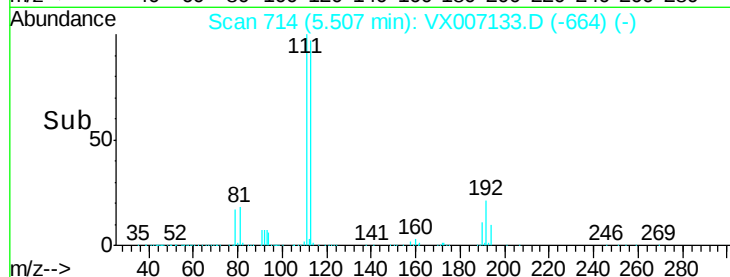
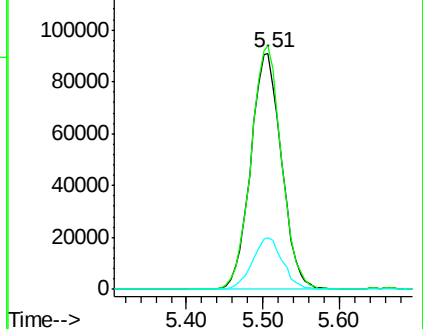
192 21.5 16.7 25.1



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: 4.635 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

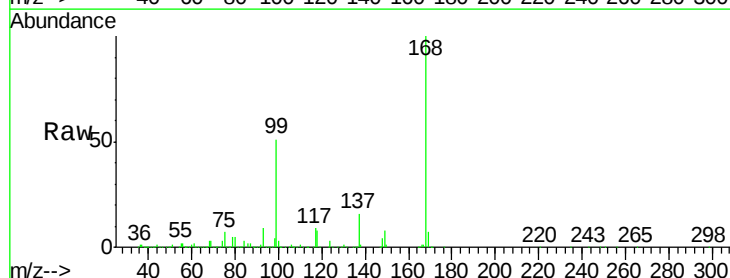
Tgt Ion: 75 Resp: 33693

Ion Ratio Lower Upper

75 100

110 11.0 20.2 60.5#

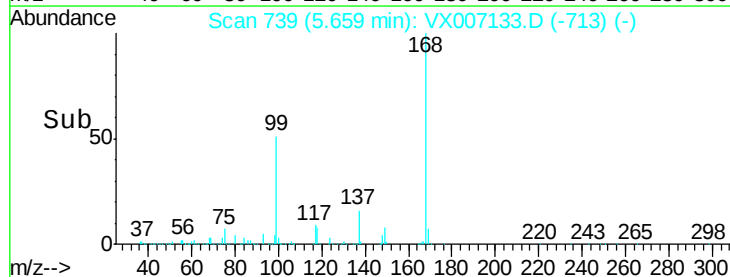
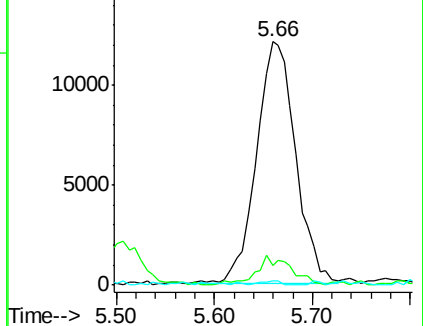
77 0.8 24.8 37.2#

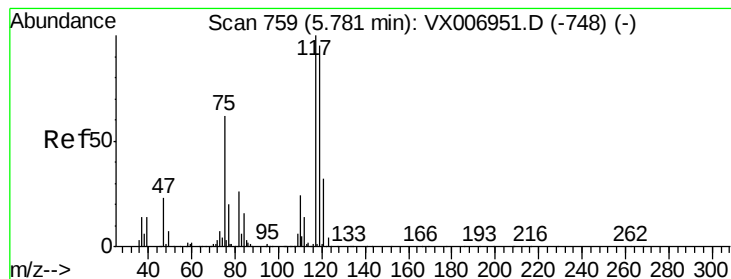


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.801 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

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EB02-20190115

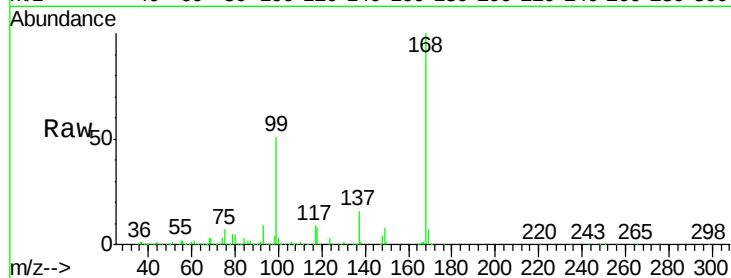
Tot Ion:117 Resp: 49743

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

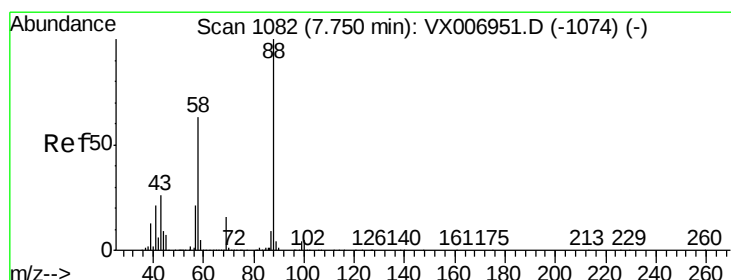
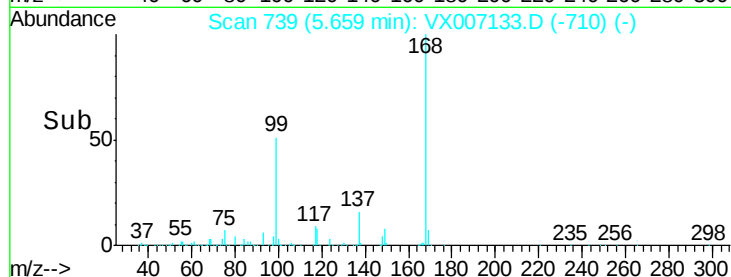
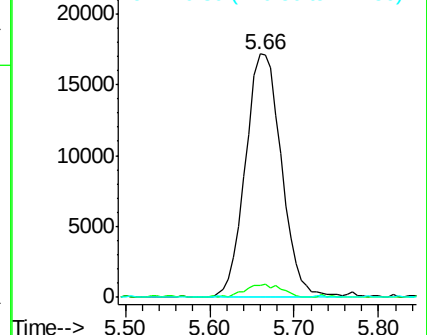
121 0.0 24.0 36.0#



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: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

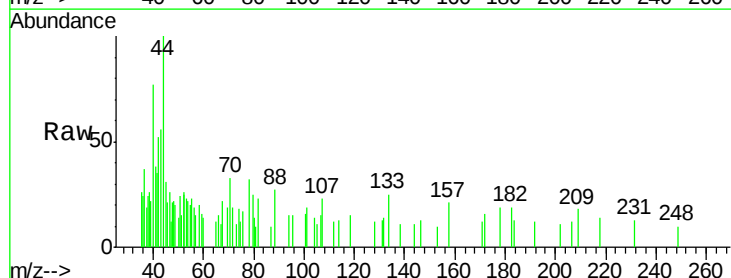
Tgt Ion: 88 Resp: 145

Ion Ratio Lower Upper

88 100

43 150.3 22.2 33.4#

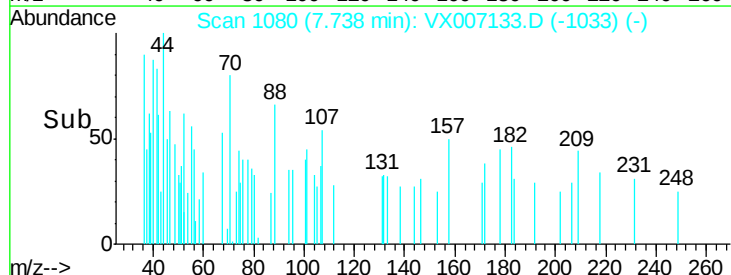
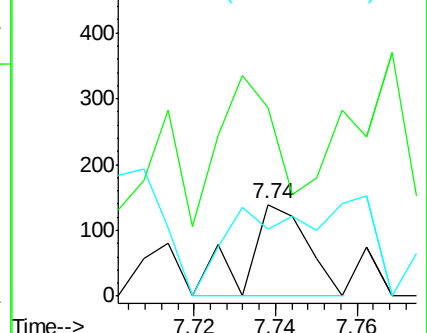
58 77.9 51.0 76.4#

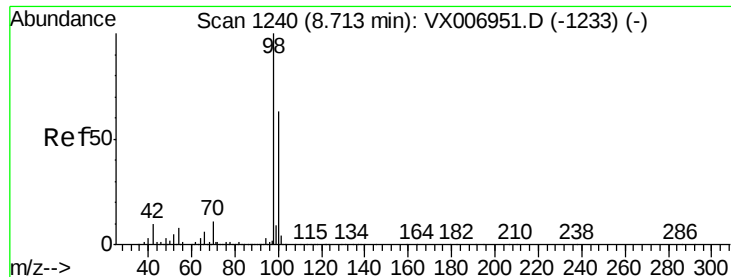


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.448 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

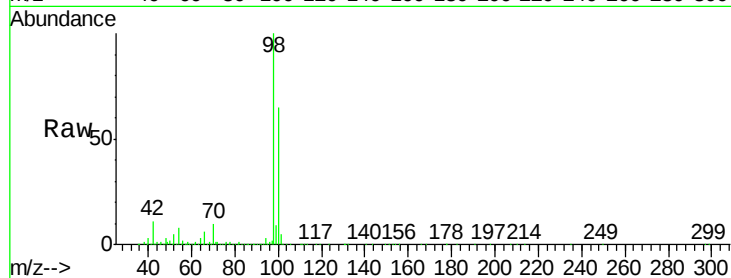
EB02-20190115

Tot Ion: 98 Resp: 1008331

Ion Ratio Lower Upper

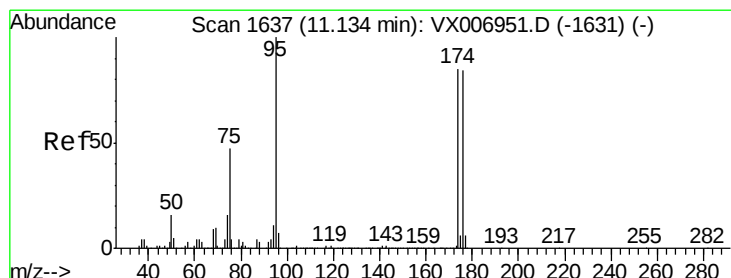
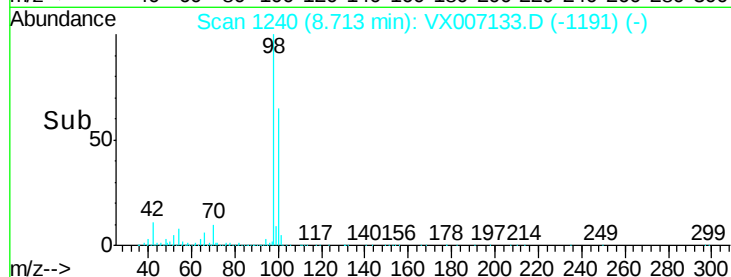
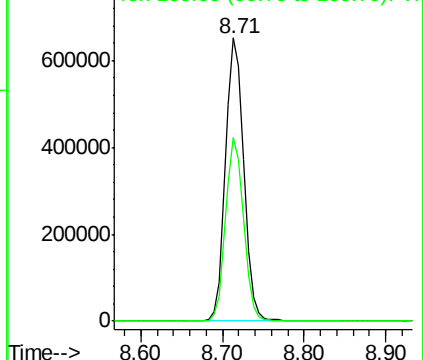
98 100

100 63.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.325 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

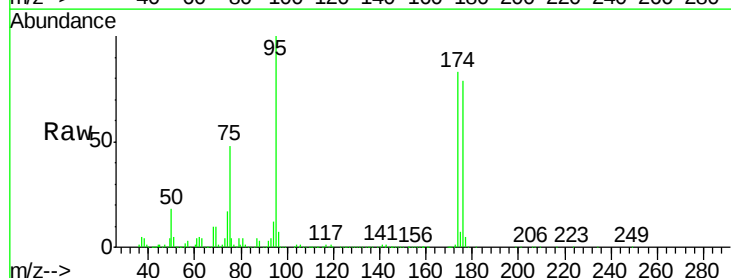
Tgt Ion: 95 Resp: 364353

Ion Ratio Lower Upper

95 100

174 90.7 0.0 182.2

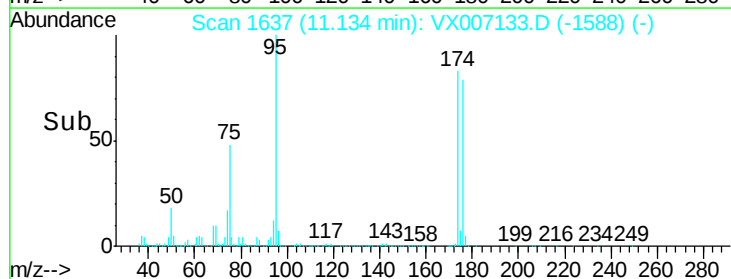
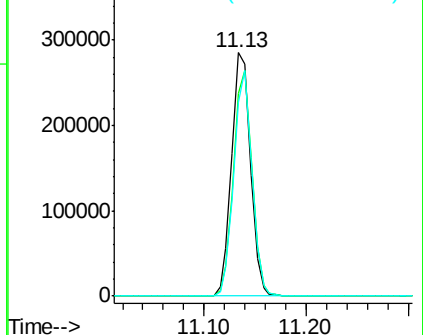
176 88.4 0.0 178.8

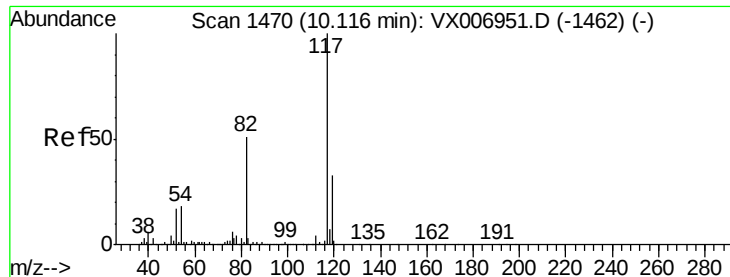


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

EB02-20190115

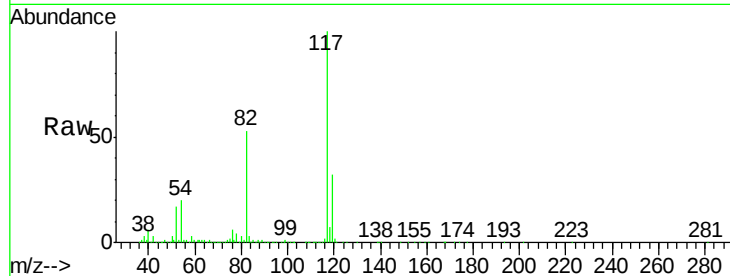
Tot Ion:117 Resp: 790917

Ion Ratio Lower Upper

117 100

82 52.6 41.0 61.6

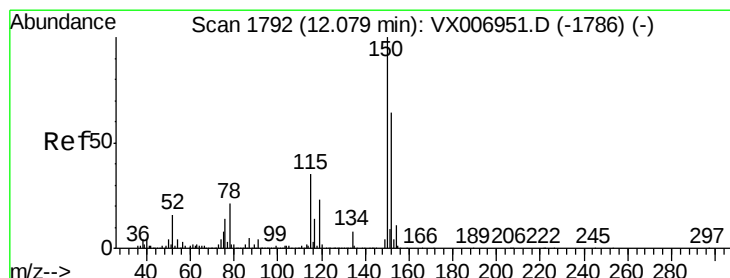
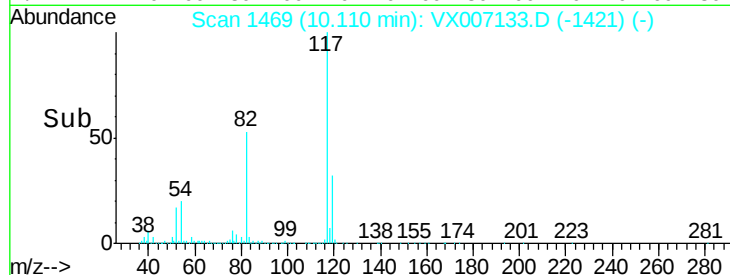
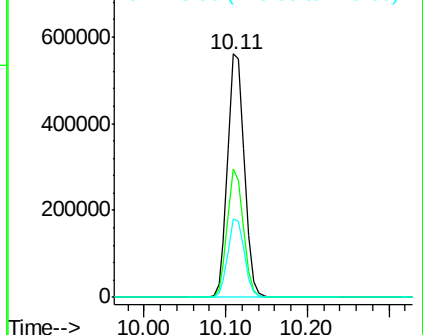
119 32.0 25.4 38.0



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: VX007133.D

Acq: 18 Jan 2019 14:29

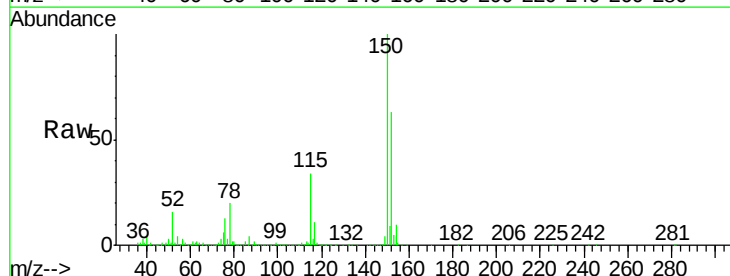
Tgt Ion:152 Resp: 388757

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.2

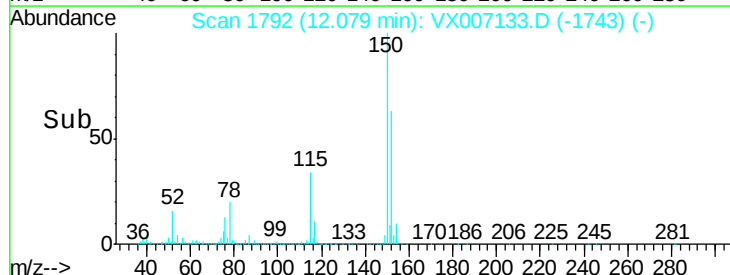
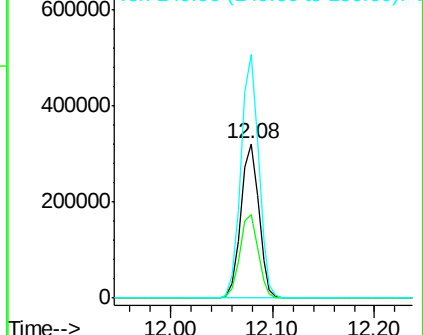
150 155.7 0.0 344.8

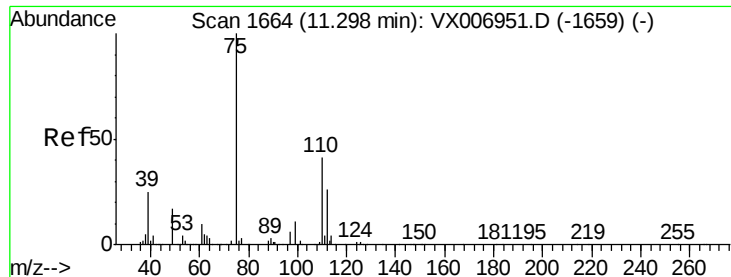


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.979 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

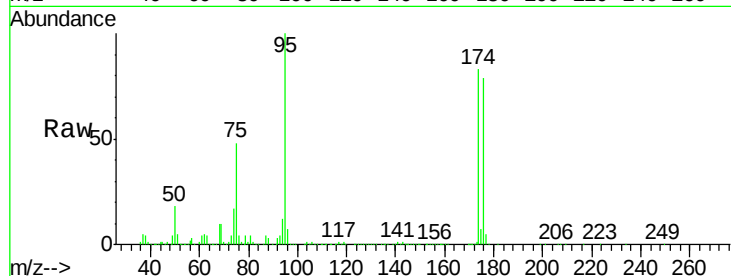
EB02-20190115

Tot Ion: 75 Resp: 173150

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

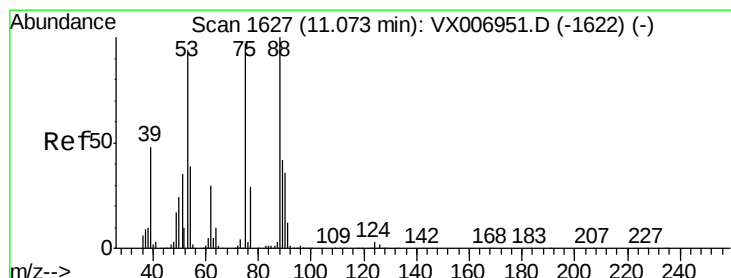
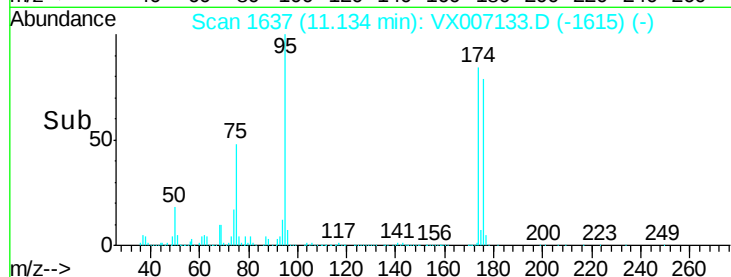
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 65.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

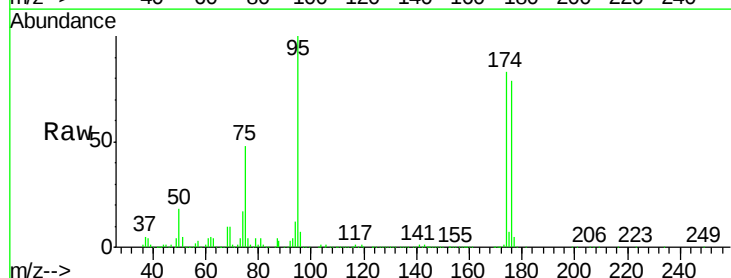
Tgt Ion: 75 Resp: 173150

Ion Ratio Lower Upper

75 100

53 0.2 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

11.13

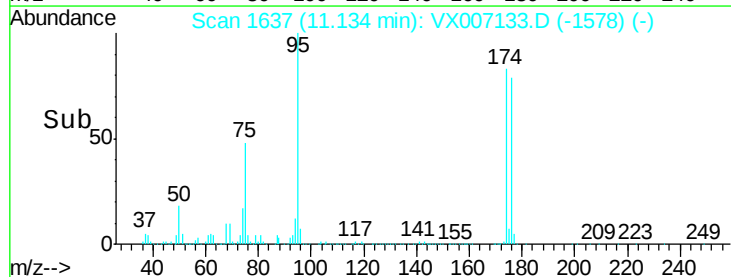
150000

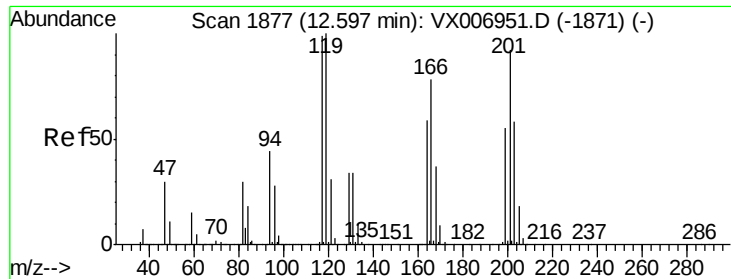
100000

50000

0

Time--> 11.05 11.10 11.15 11.20





#90

Hexachloroethane

Concen: 2.921 ug/l

RT: 12.44 min Scan# 1851

Delta R.T. -0.16 min

Lab File: VX007133.D

Acq: 18 Jan 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

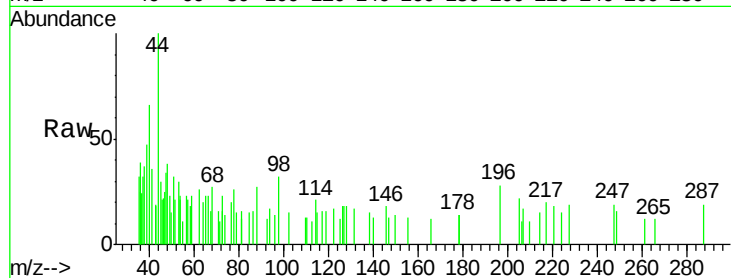
EB02-20190115

Tot Ion:117 Resp: 52

Ion Ratio Lower Upper

117 100

201 53.8 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

