

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020119\
 Data File : VX007343.D
 Acq On : 01 Feb 2019 18:13
 Operator : JC/SP
 Sample : K1314-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

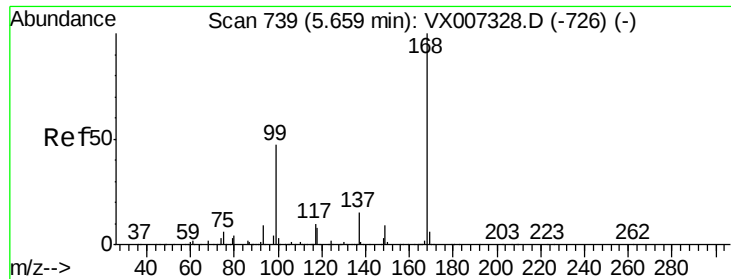
Quant Time: Feb 02 03:20:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	478880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	752036	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	718966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	354923	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	266812	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	5.51	113	241063	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	909934	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.13	95	327086	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	146	0.202	ug/l #	50
5) Bromomethane	1.65	94	712	Below Cal		95
13) Acrolein	2.28	56	288	0.584	ug/l	86
15) Acrylonitrile	3.14	53	548	0.211	ug/l #	66
16) Acetone	2.45	43	2717	1.167	ug/l #	87
17) Carbon Disulfide	2.57	76	913	2.194	ug/l #	1
18) Methyl Acetate	2.78	43	2215	0.954	ug/l #	87
36) 1,1-Dichloropropene	5.67	75	32517	4.819	ug/l #	48
38) Carbon Tetrachloride	5.67	117	44766	6.838	ug/l #	16
49) 1,4-Dioxane	7.77	88	96	7.675	ug/l #	1
71) Bromoform	10.81	173	102	4.050	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	158273	22.926	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	158273	69.097	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007343.D

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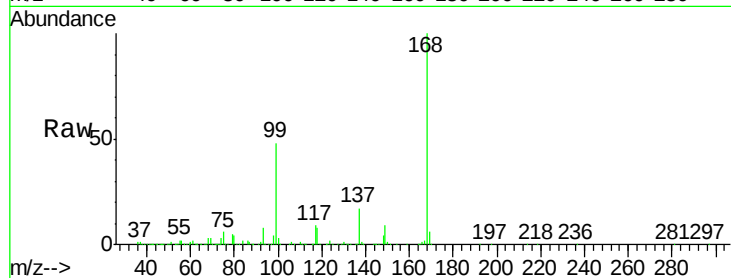
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 478880

Ion Ratio Lower Upper

168 100

99 48.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

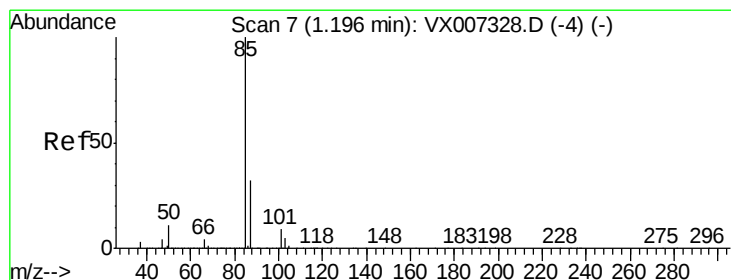
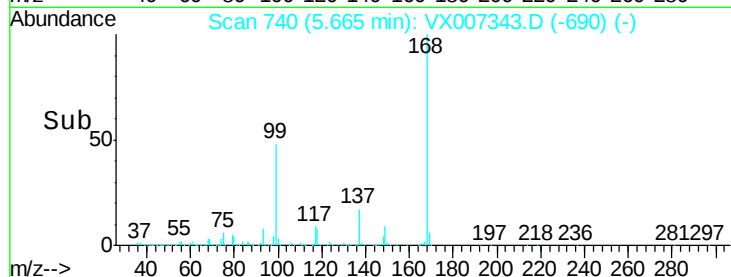
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.202 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007343.D

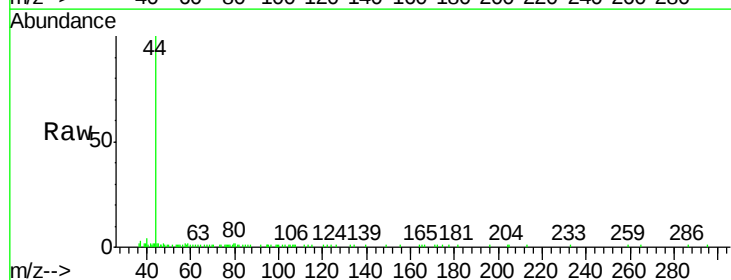
Acq: 01 Feb 2019 18:13

Tgt Ion: 85 Resp: 146

Ion Ratio Lower Upper

85 100

87 59.3 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

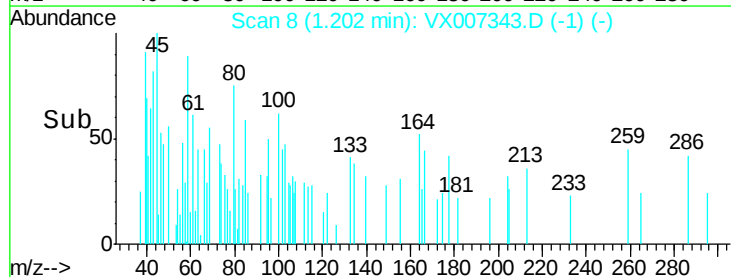
150

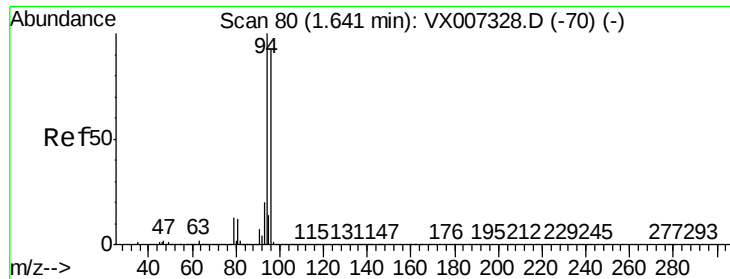
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

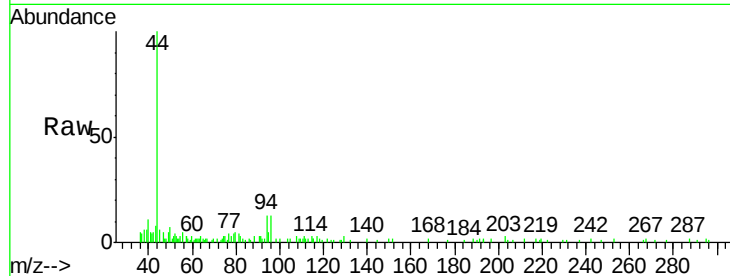
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 712

Ion Ratio Lower Upper

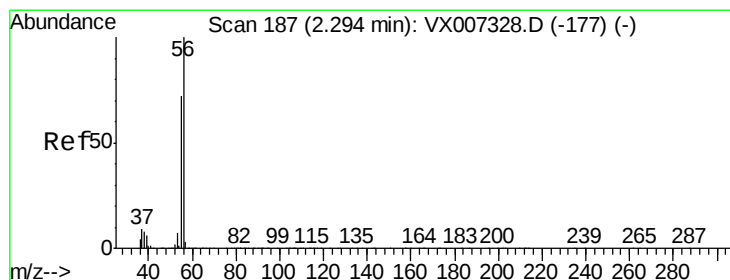
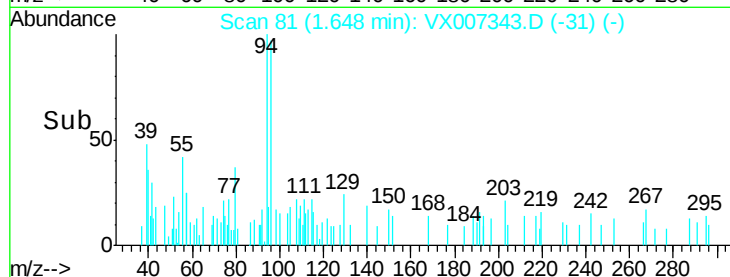
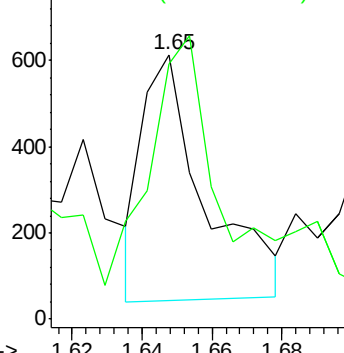
94 100

96 87.6 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.584 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX007343.D

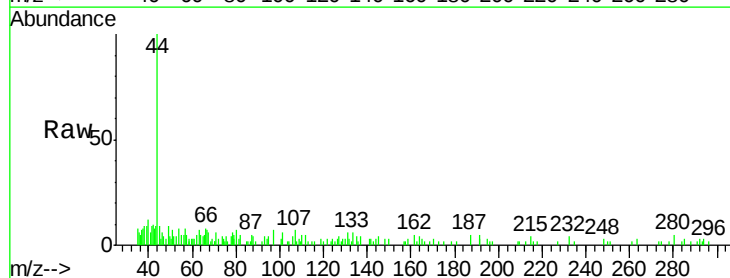
Acq: 01 Feb 2019 18:13

Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

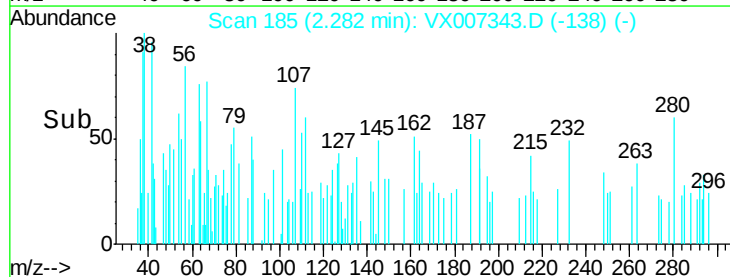
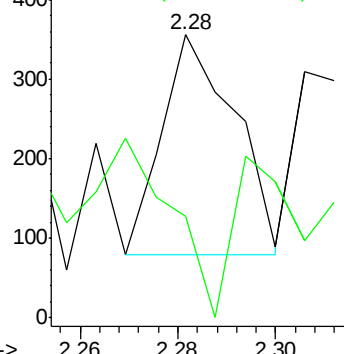
56 100

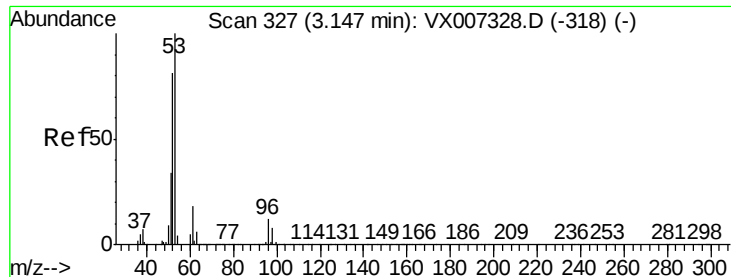
55 59.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.211 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

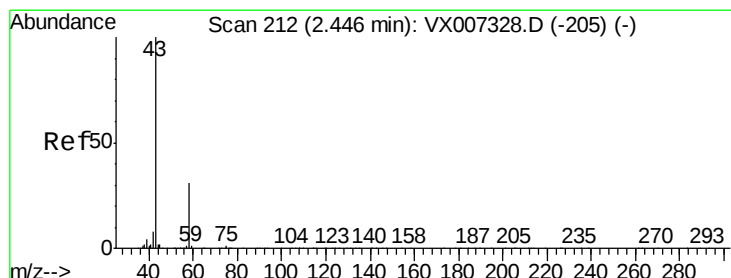
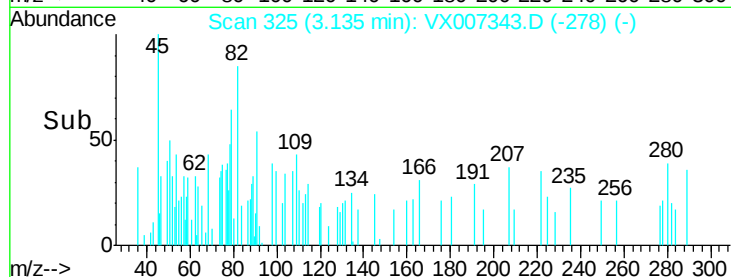
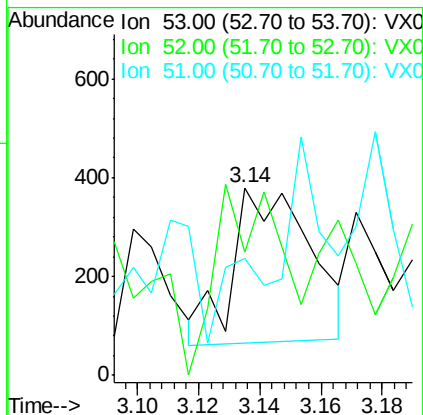
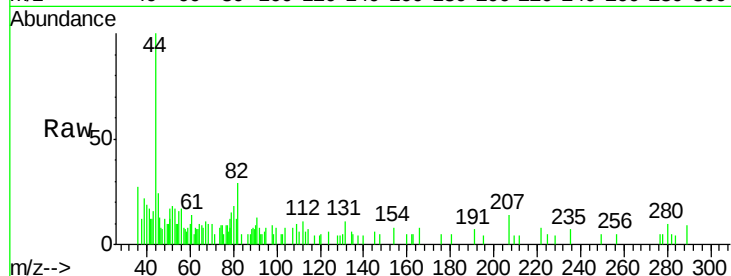
Tot Ion: 53 Resp: 548

Ion Ratio Lower Upper

53 100

52 103.3 66.4 99.6#

51 0.0 28.4 42.6#



#16

Acetone

Concen: 1.167 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007343.D

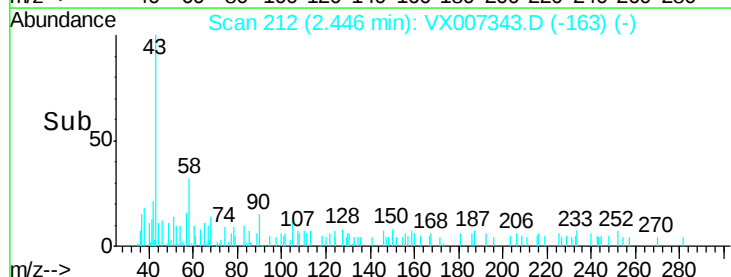
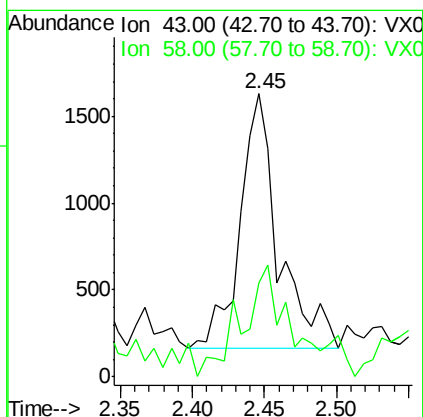
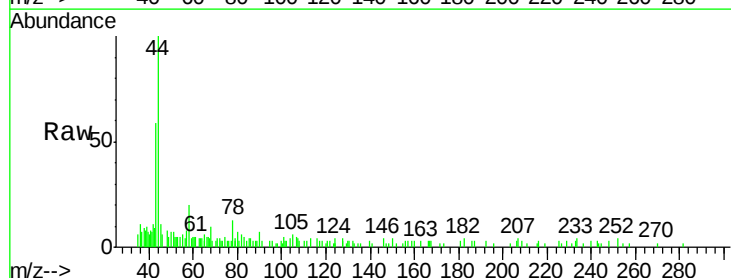
Acq: 01 Feb 2019 18:13

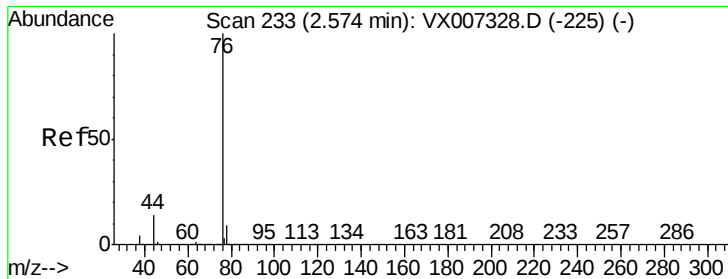
Tgt Ion: 43 Resp: 2717

Ion Ratio Lower Upper

43 100

58 23.9 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.194 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

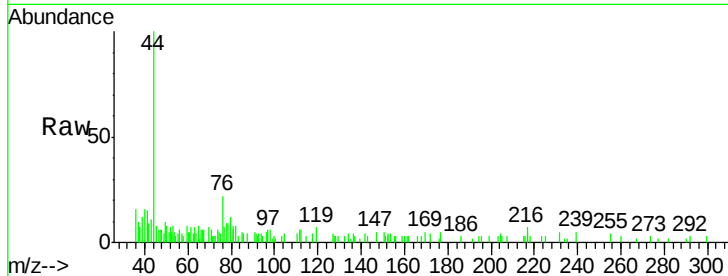
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 76 Resp: 913

Ion Ratio Lower Upper

76 100

78 64.7 7.1 10.7#

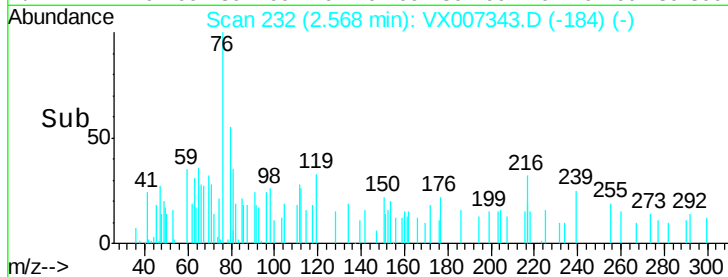


Abundance Ion 75.90 (75.60 to 76.60): VX0

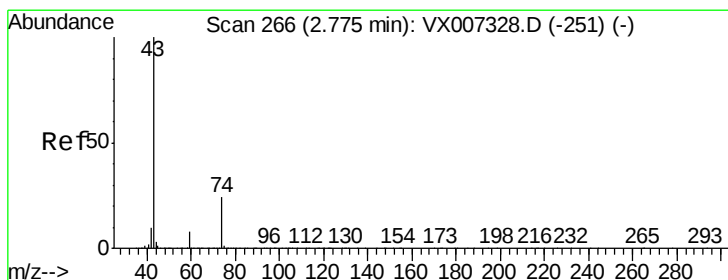
Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->



Time-->



#18

Methyl Acetate

Concen: 0.954 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007343.D

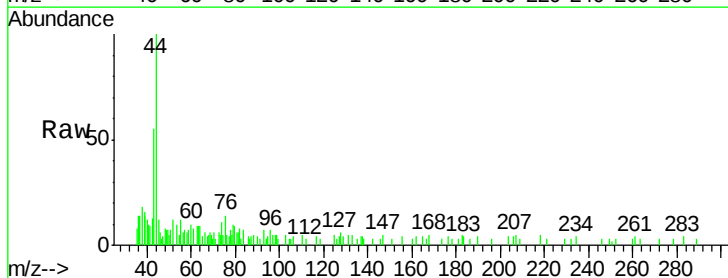
Acq: 01 Feb 2019 18:13

Tgt Ion: 43 Resp: 2215

Ion Ratio Lower Upper

43 100

74 30.8 19.4 29.2#

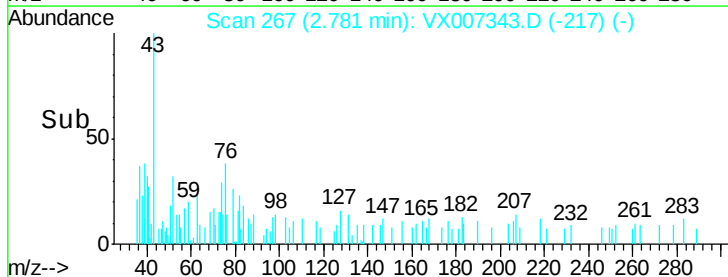


Abundance Ion 43.00 (42.70 to 43.70): VX0

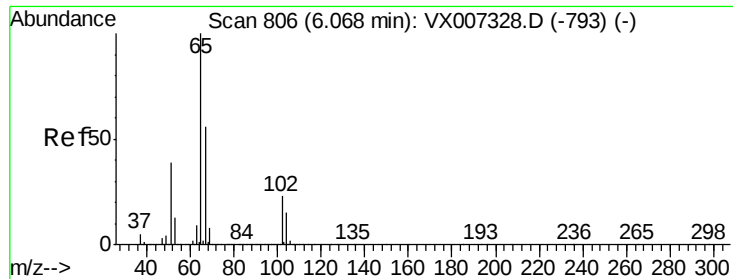
Ion 74.00 (73.70 to 74.70): VX0

2.78

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.492 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

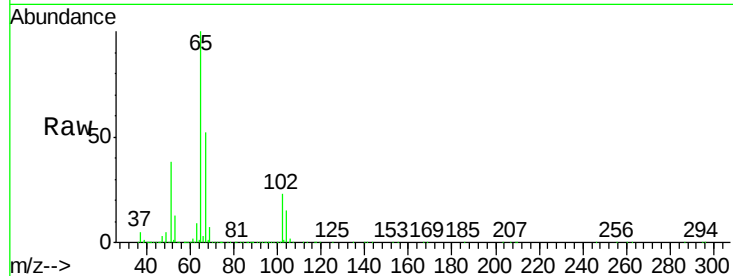
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 266812

Ion Ratio Lower Upper

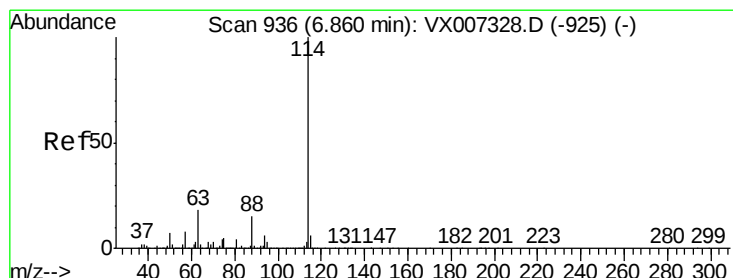
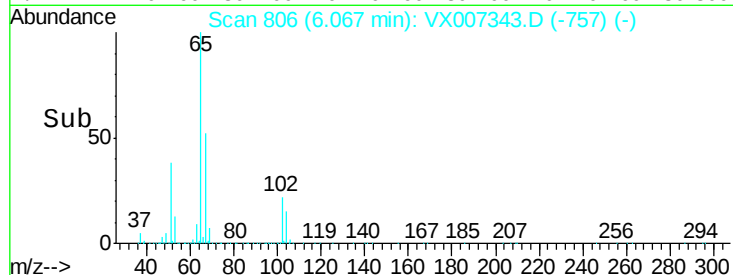
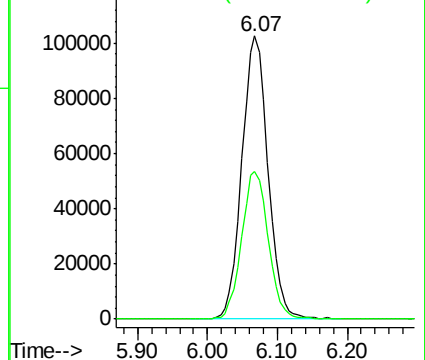
65 100

67 53.1 0.0 108.8



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: VX007343.D

Acq: 01 Feb 2019 18:13

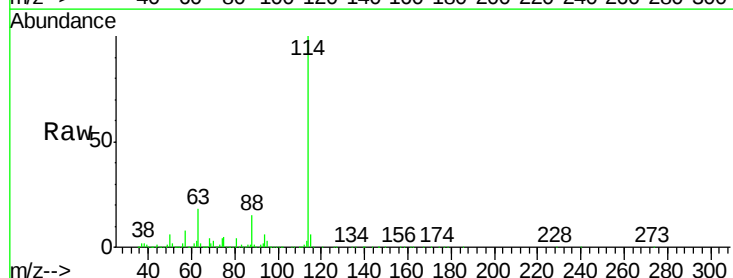
Tgt Ion: 114 Resp: 752036

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

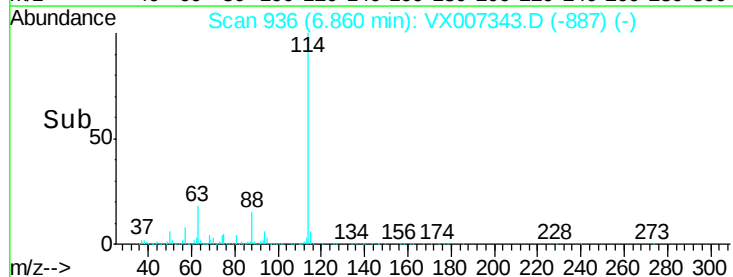
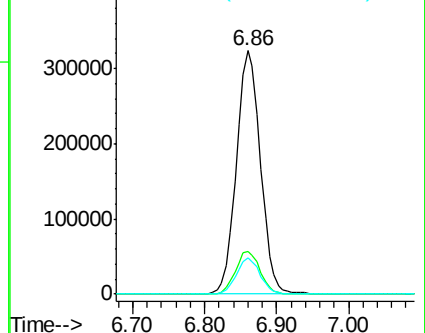
88 14.7 0.0 29.6

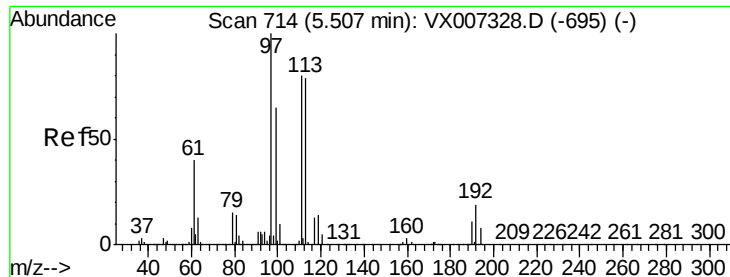


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.265 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

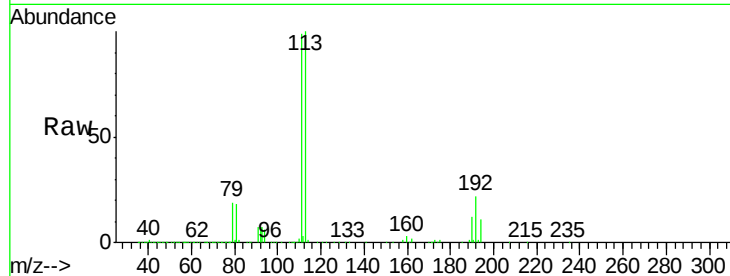
Tot Ion:113 Resp: 241063

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

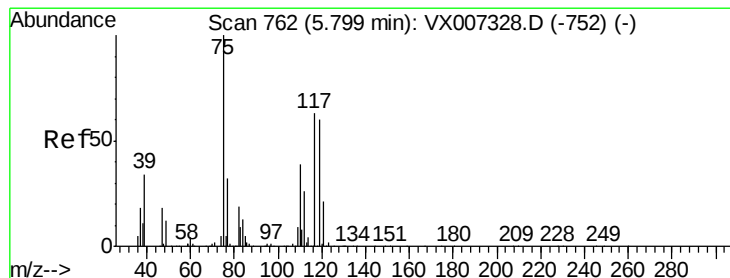
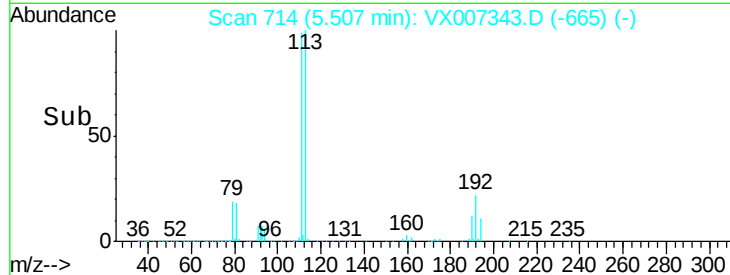
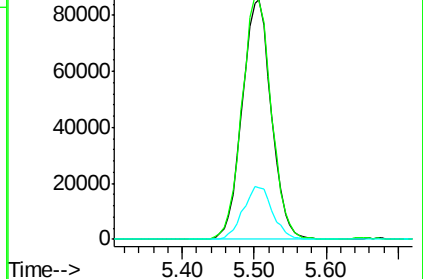
192 22.2 18.5 27.7



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: 4.819 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

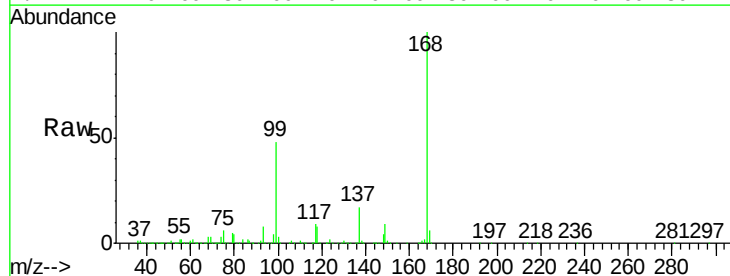
Tgt Ion: 75 Resp: 32517

Ion Ratio Lower Upper

75 100

110 9.6 20.0 59.9#

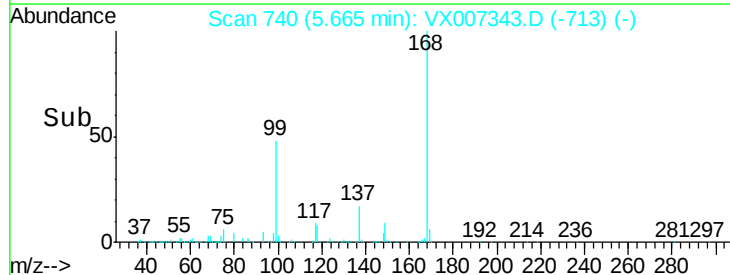
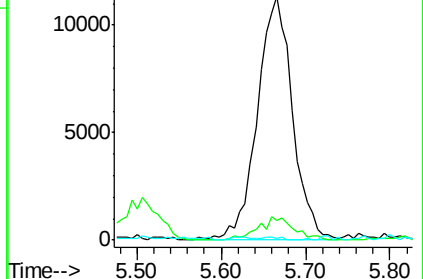
77 0.5 24.7 37.1#

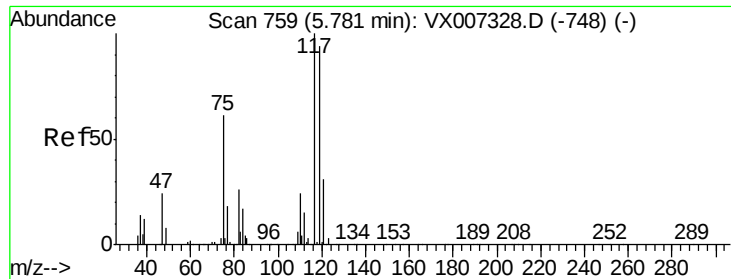


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.838 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

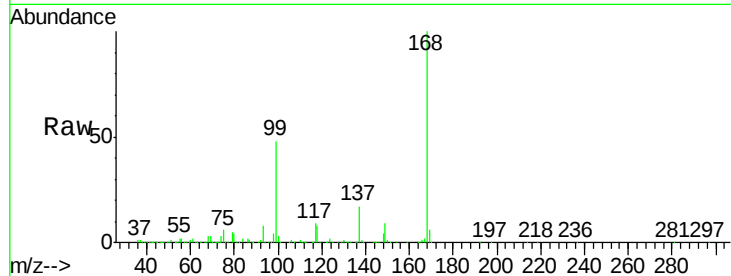
Tot Ion:117 Resp: 44766

Ion Ratio Lower Upper

117 100

119 4.6 75.3 112.9#

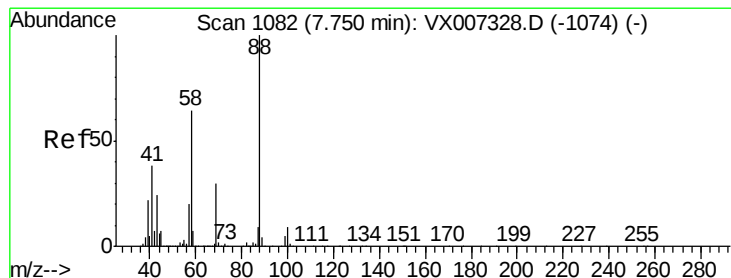
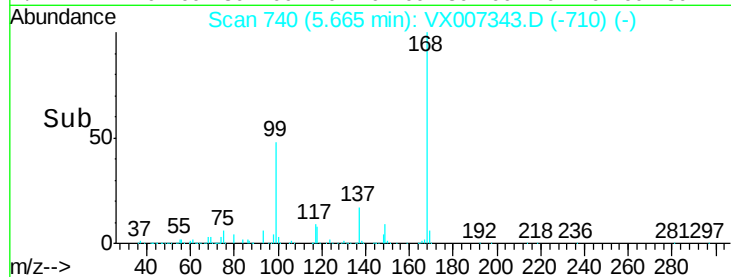
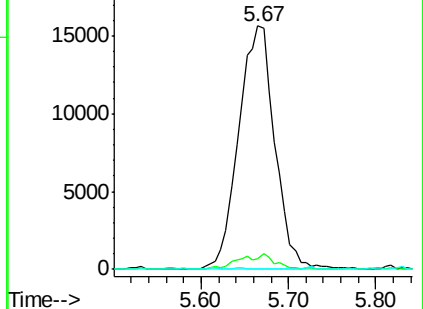
121 0.0 25.0 37.4#



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: 7.675 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

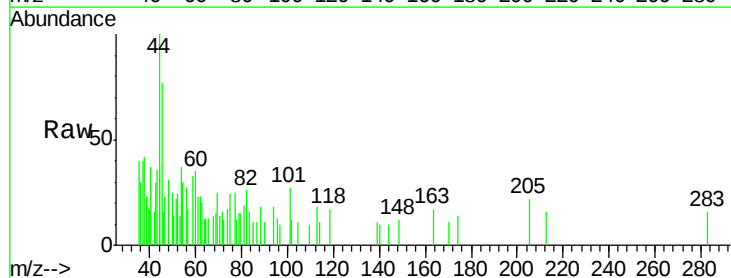
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 341.7 24.2 36.4#

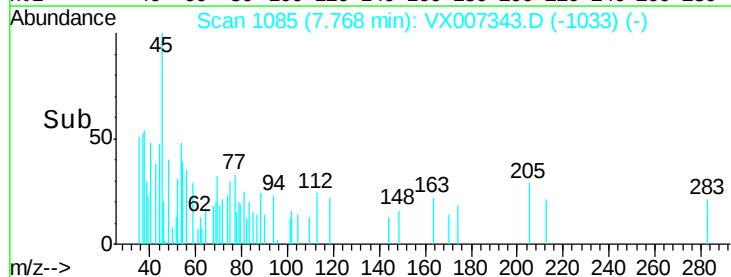
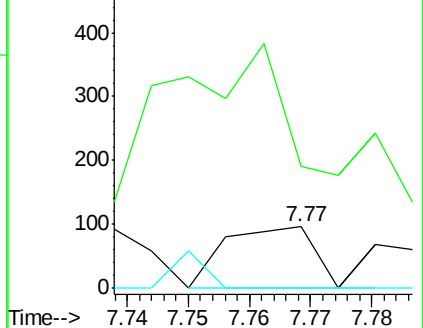
58 21.9 53.0 79.4#

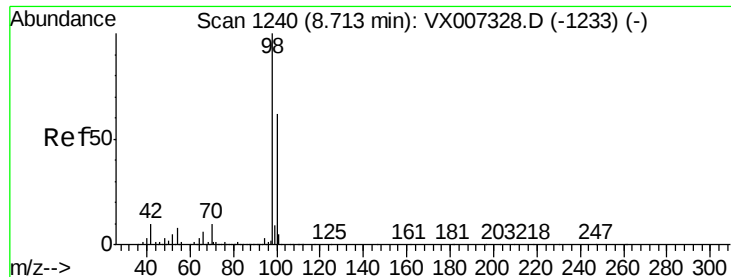


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.121 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

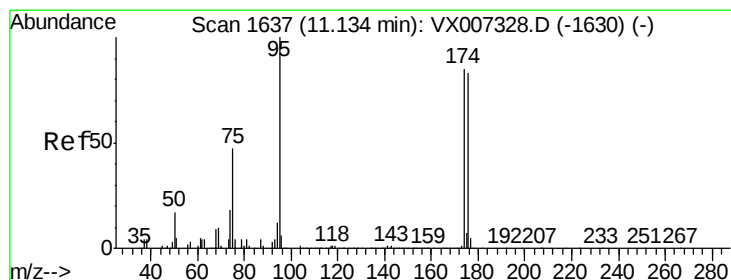
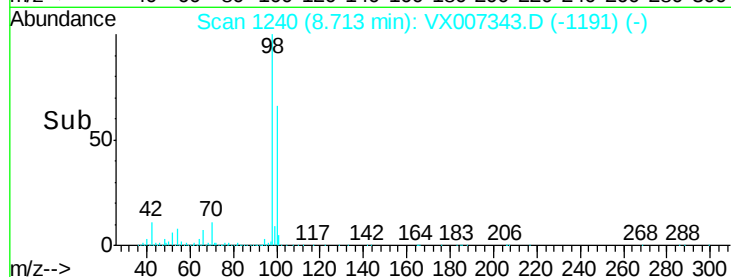
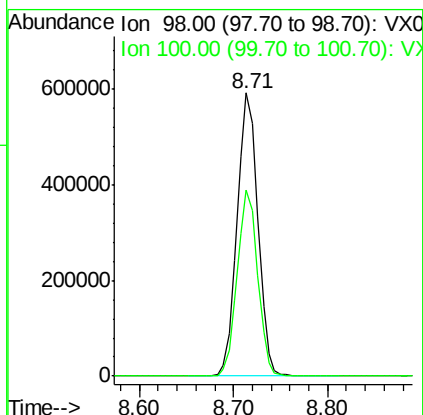
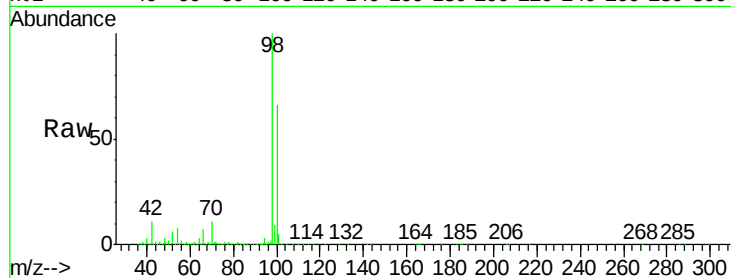
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 909934

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 49.347 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

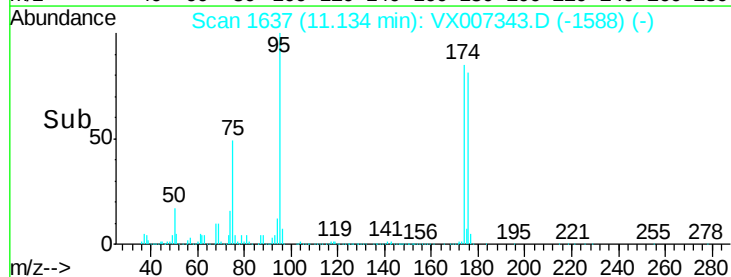
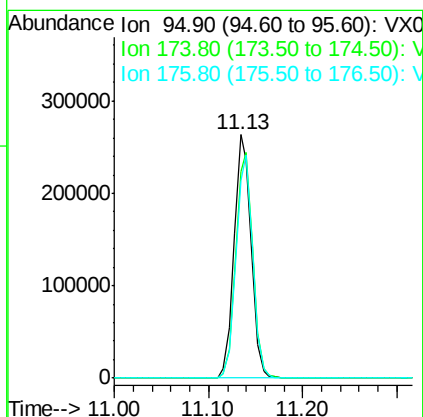
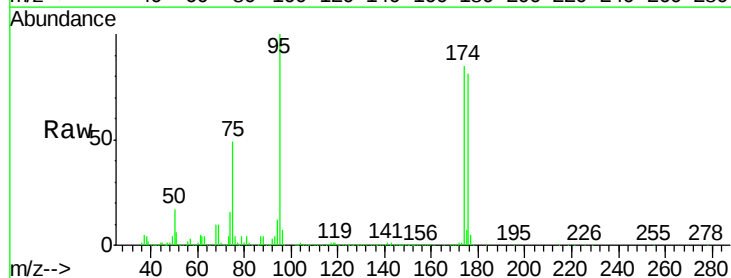
Tgt Ion: 95 Resp: 327086

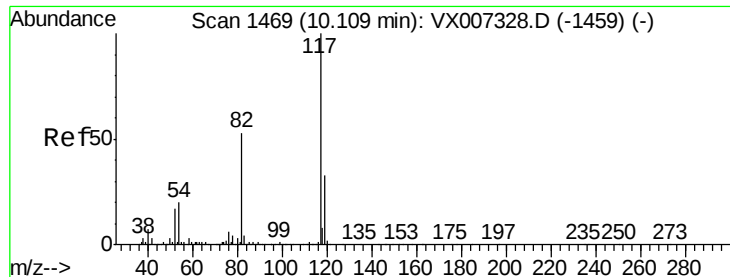
Ion Ratio Lower Upper

95 100

174 93.1 0.0 189.2

176 89.9 0.0 186.2

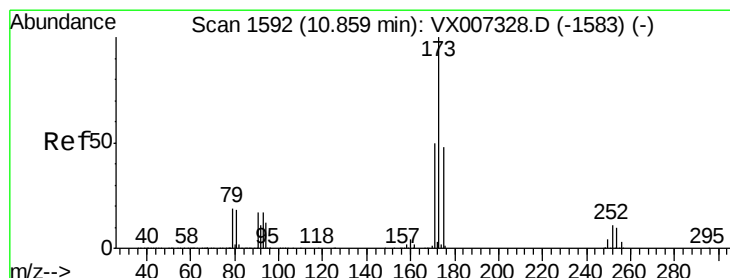
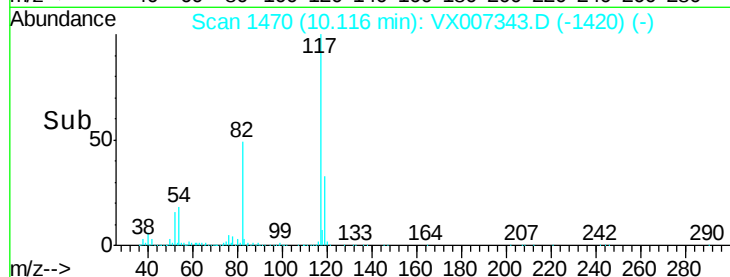
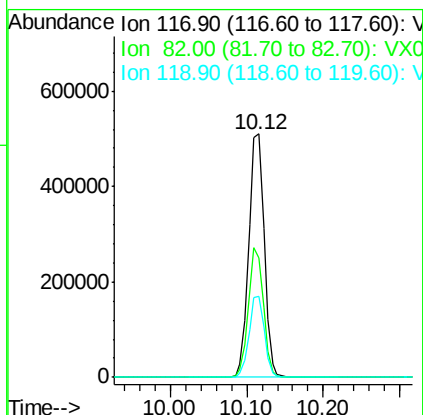
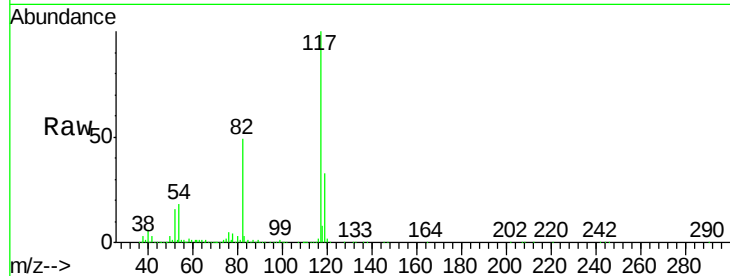




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007343.D
Acq: 01 Feb 2019 18:13

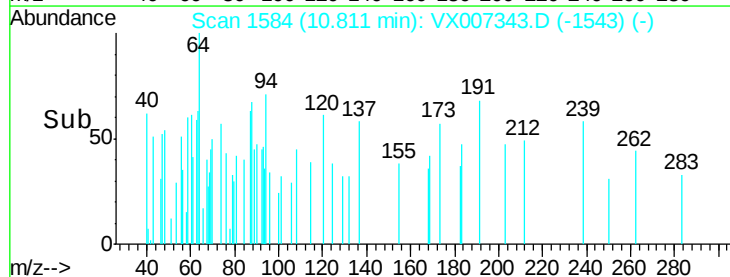
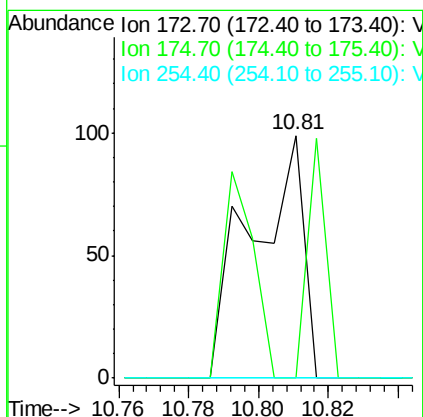
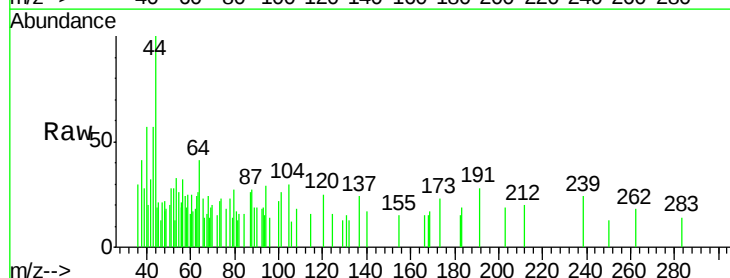
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

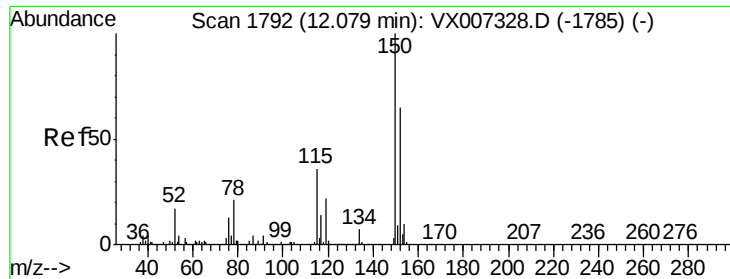
Tot Ion:117 Resp: 718966
Ion Ratio Lower Upper
117 100
82 48.8 42.1 63.1
119 33.3 26.5 39.7



#71
Bromoform
Concen: 4.050 ug/l
RT: 10.81 min Scan# 1584
Delta R.T. -0.05 min
Lab File: VX007343.D
Acq: 01 Feb 2019 18:13

Tgt Ion:173 Resp: 102
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#



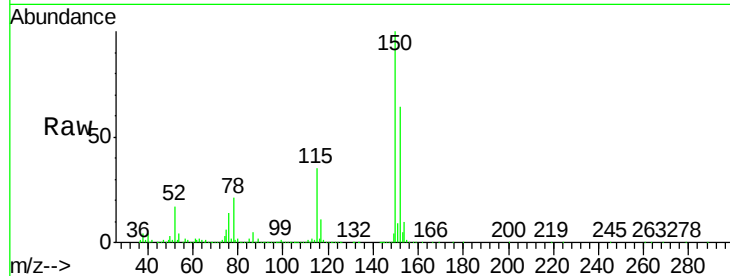


#72

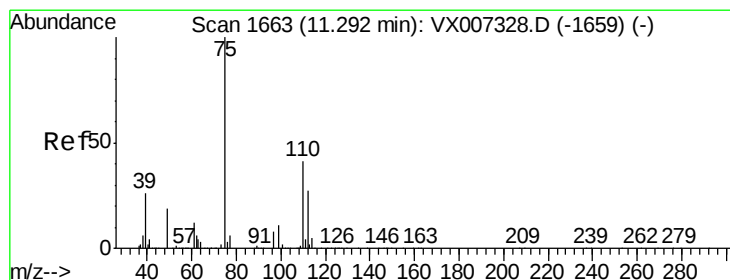
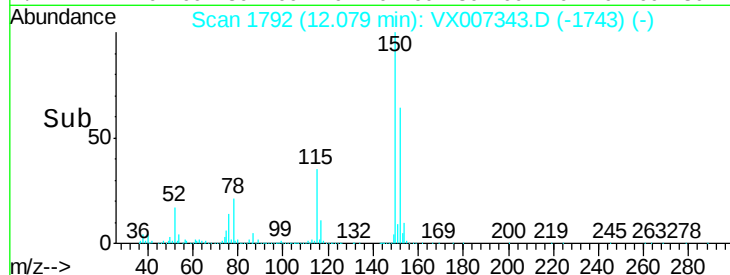
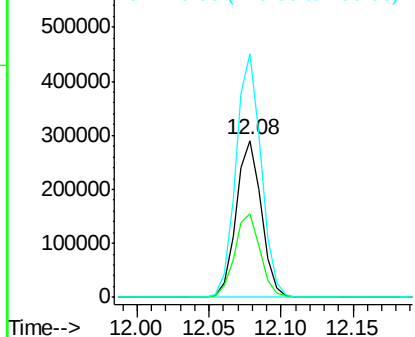
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007343.D
Acq: 01 Feb 2019 18:13

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	38.0	114.0
150	155.5	0.0	346.4



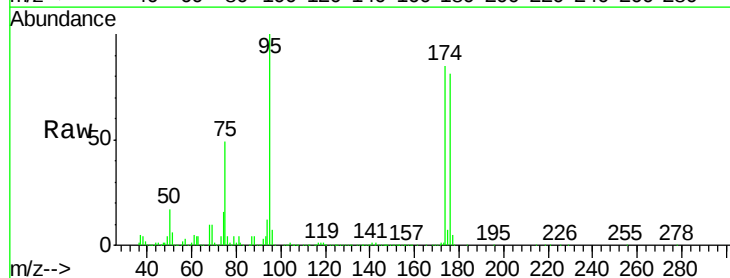
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



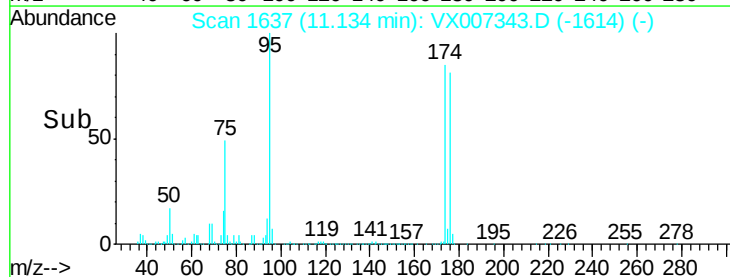
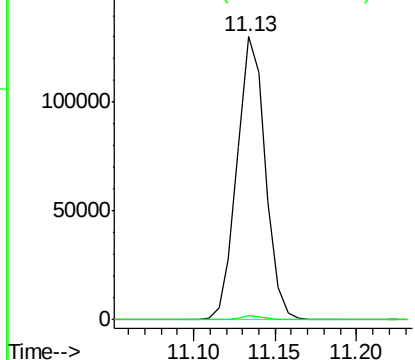
#76

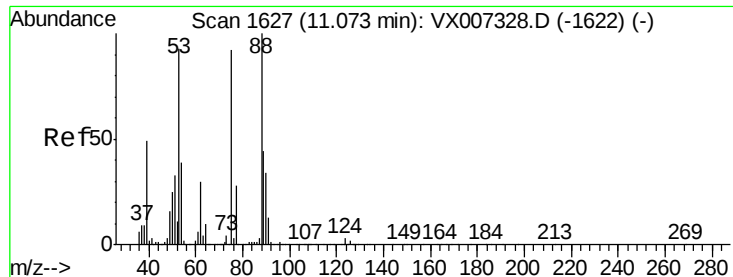
1,2,3-Trichloropropane
Concen: 22.926 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007343.D
Acq: 01 Feb 2019 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	23.0	69.0#



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: 69.097 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007343.D

Acq: 01 Feb 2019 18:13

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

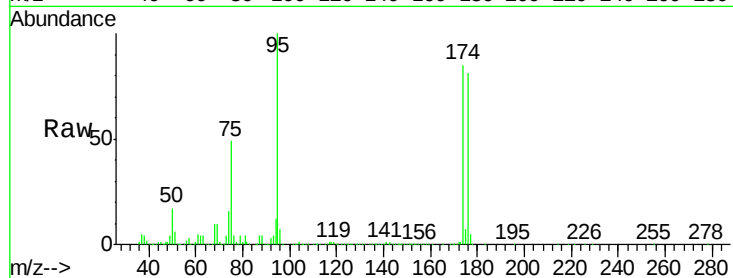
Tot Ion: 75 Resp: 158273

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#



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

