

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022619\
 Data File : VX007717.D
 Acq On : 26 Feb 2019 16:53
 Operator : JC/SP
 Sample : K1580-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Feb 27 00:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	567246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	529031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237177	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	204478	50.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.62%	
35) Dibromofluoromethane	5.50	113	187067	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
50) Toluene-d8	8.71	98	685683	47.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.13	95	236072	44.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.62%	

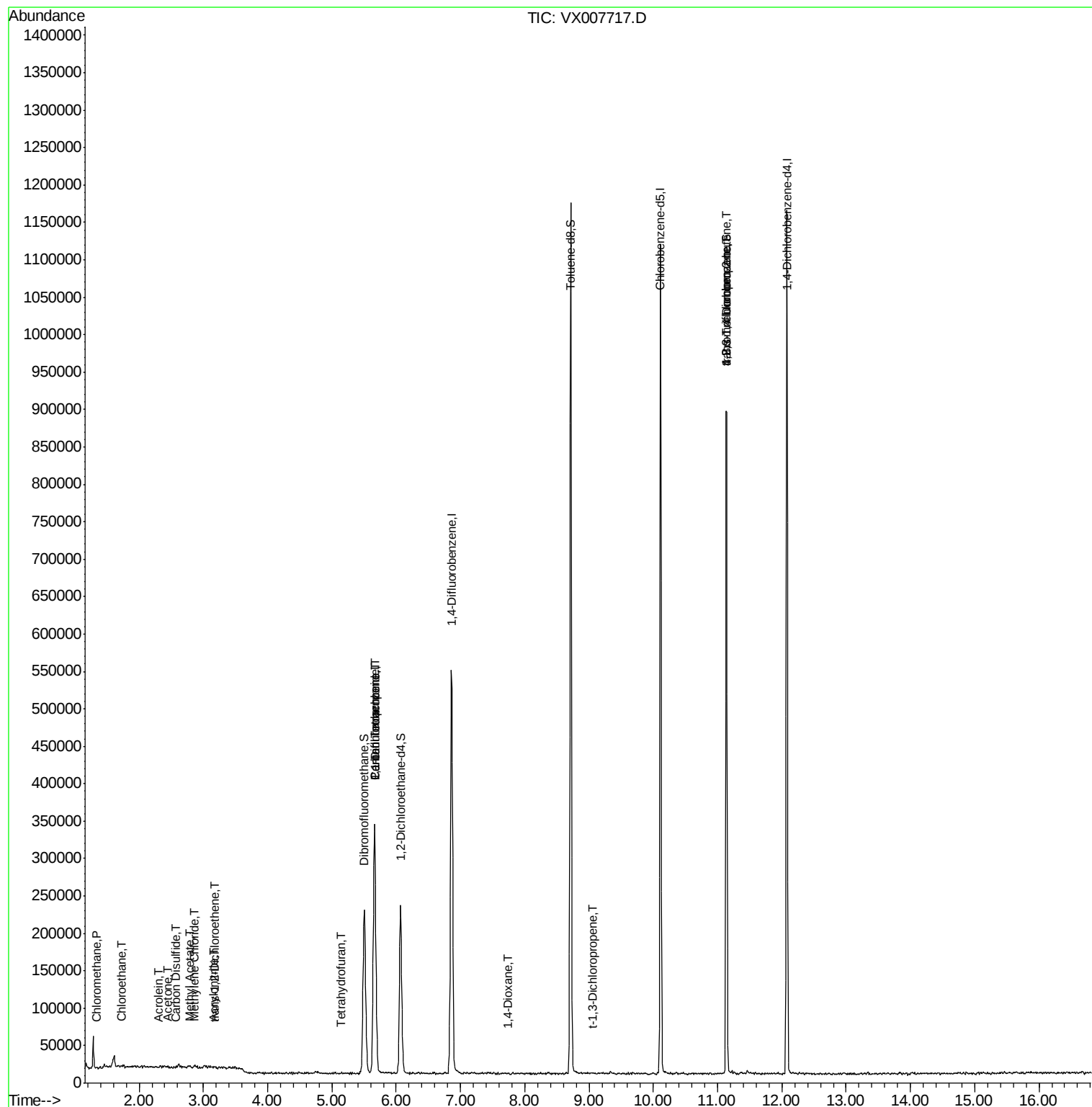
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	826	0.247	ug/l	90
5) Bromomethane	1.65	94	577	Below Cal	#	45
6) Chloroethane	1.73	64	527	0.240	ug/l #	78
13) Acrolein	2.29	56	284	0.414	ug/l	86
15) Acrylonitrile	3.15	53	506	0.279	ug/l #	31
16) Acetone	2.45	43	2320	1.284	ug/l #	52
17) Carbon Disulfide	2.57	76	1805	0.226	ug/l #	92
18) Methyl Acetate	2.79	43	1218	0.309	ug/l	94
20) Methylene Chloride	2.86	84	1202	0.360	ug/l #	56
21) trans-1,2-Dichloroethene	3.17	96	807	0.259	ug/l #	29
29) Tetrahydrofuran	5.14	42	403	0.222	ug/l #	16
36) 1,1-Dichloropropene	5.66	75	22808	4.472	ug/l #	48
38) Carbon Tetrachloride	5.67	117	32126	6.271	ug/l #	17
49) 1,4-Dioxane	7.74	88	284	2.877	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	312	2.851	ug/l #	34
76) 1,2,3-Trichloropropane	11.13	75	116403	23.025	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	116403	60.996	ug/l #	9

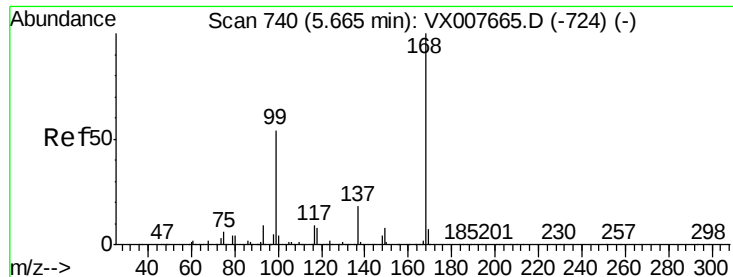
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

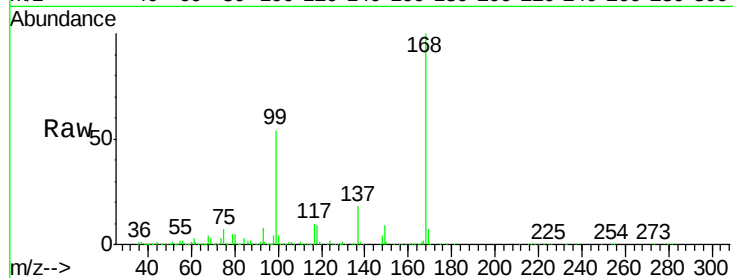
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 328130

Ion Ratio Lower Upper

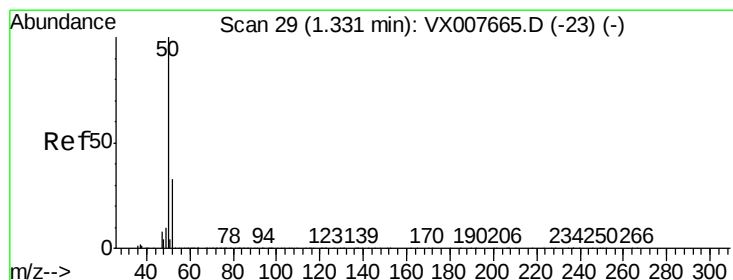
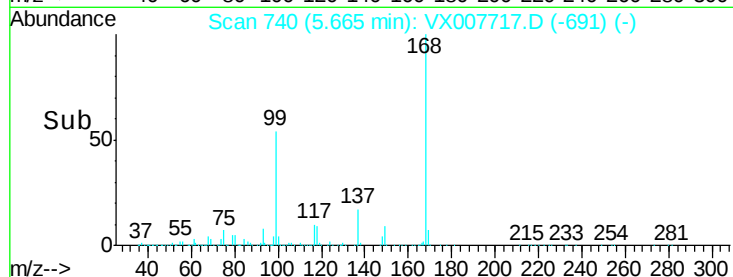
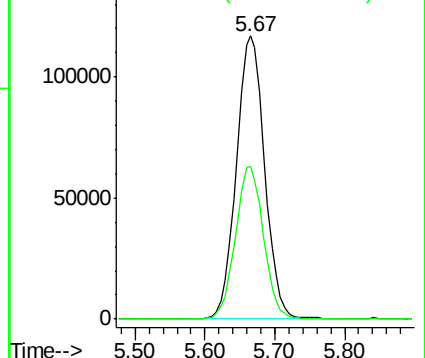
168 100

99 54.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007717.D

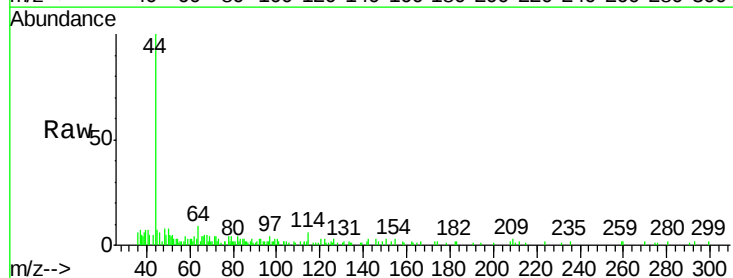
Acq: 26 Feb 2019 16:53

Tgt Ion: 50 Resp: 826

Ion Ratio Lower Upper

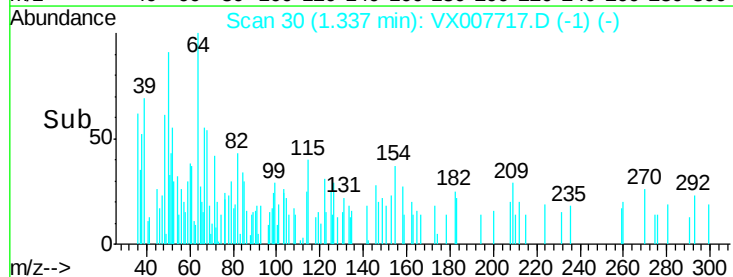
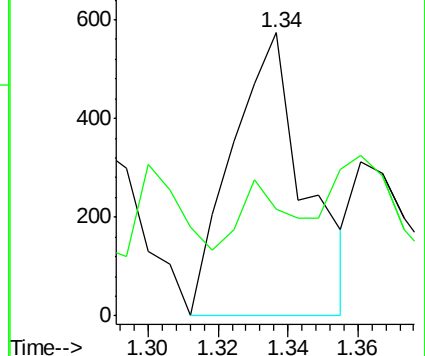
50 100

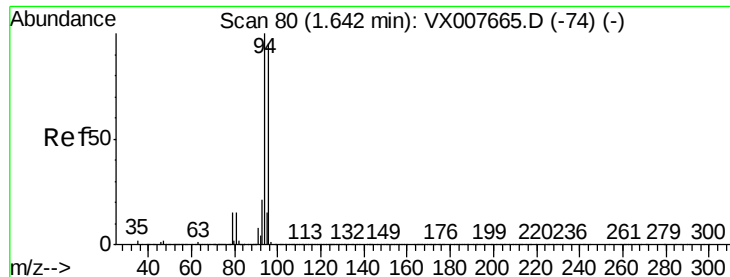
52 27.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

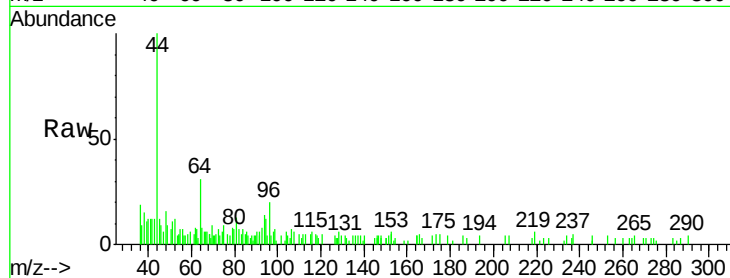
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 577

Ion Ratio Lower Upper

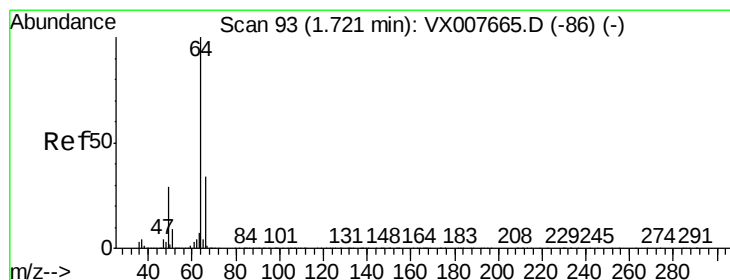
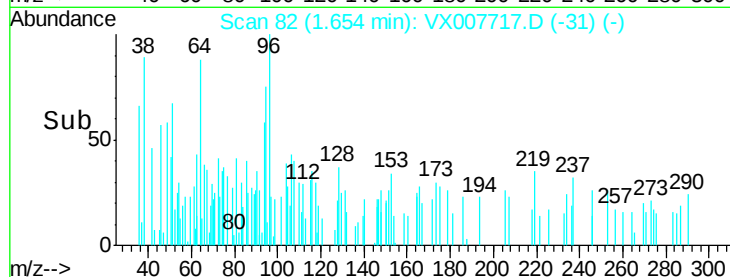
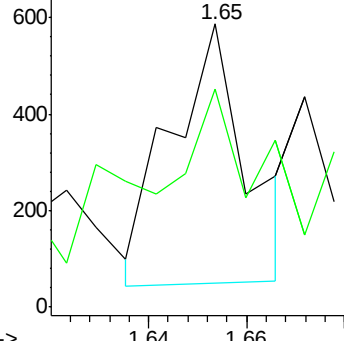
94 100

96 39.4 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.240 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007717.D

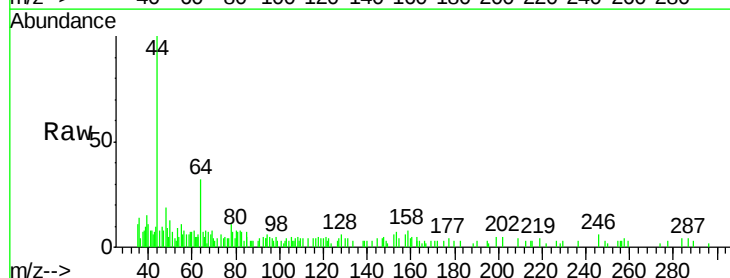
Acq: 26 Feb 2019 16:53

Tgt Ion: 64 Resp: 527

Ion Ratio Lower Upper

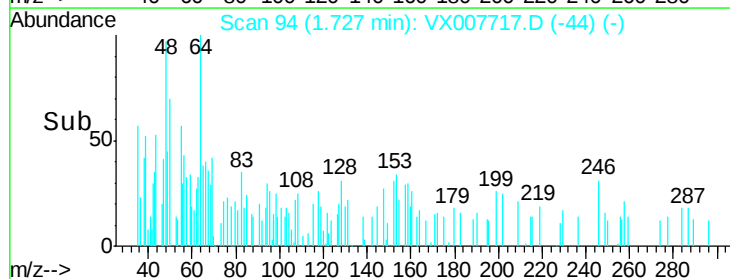
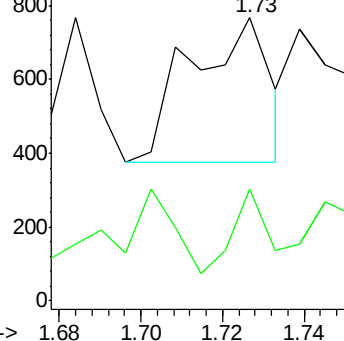
64 100

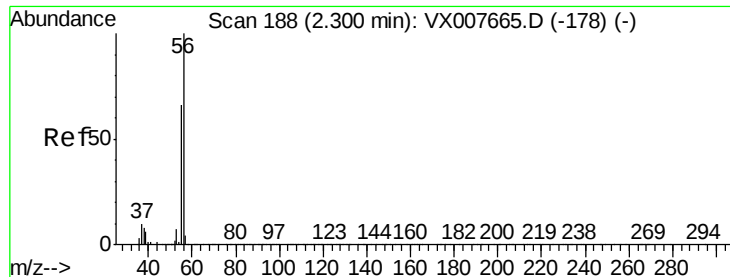
66 44.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 0.414 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

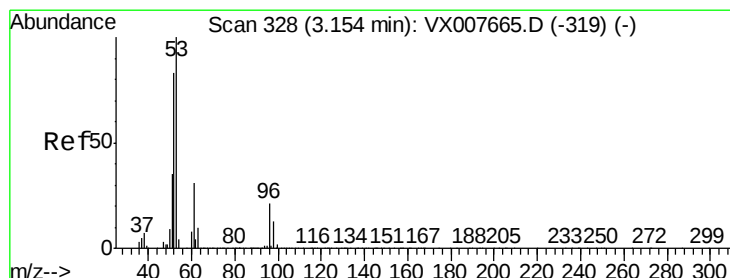
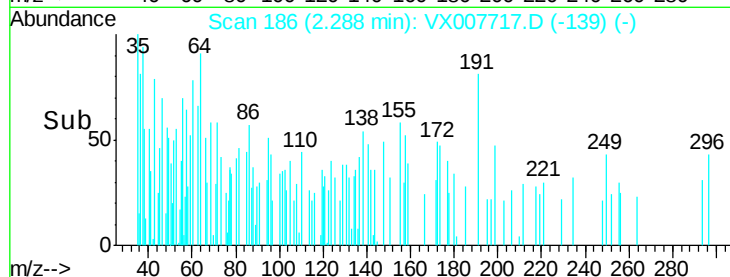
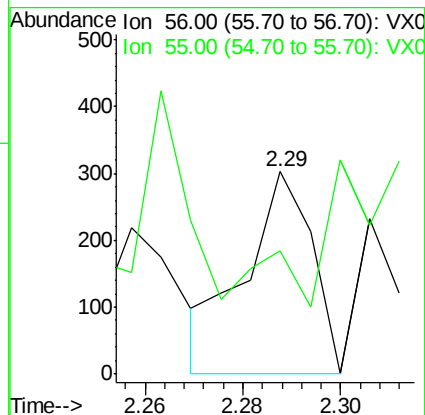
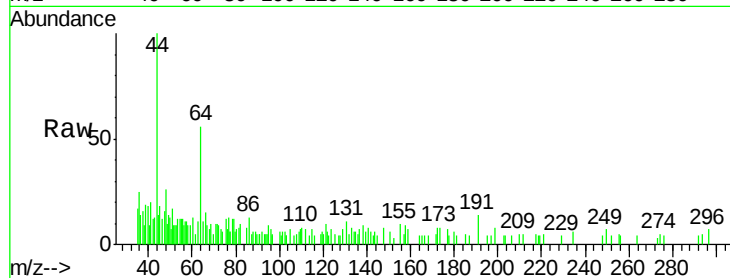
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 284

Ion Ratio Lower Upper

56 100

55 82.7 56.9 85.3



#15

Acrylonitrile

Concen: 0.279 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

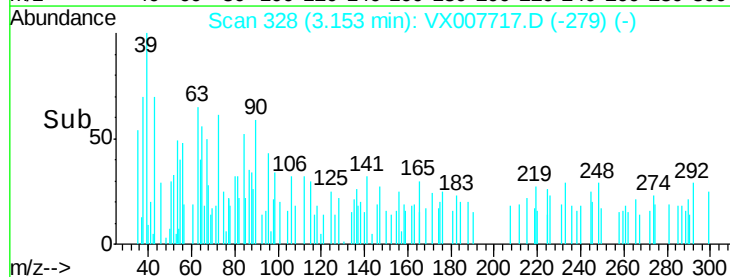
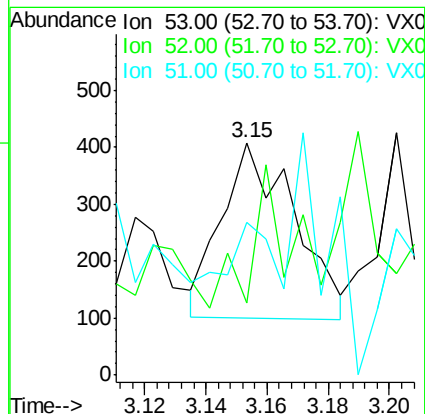
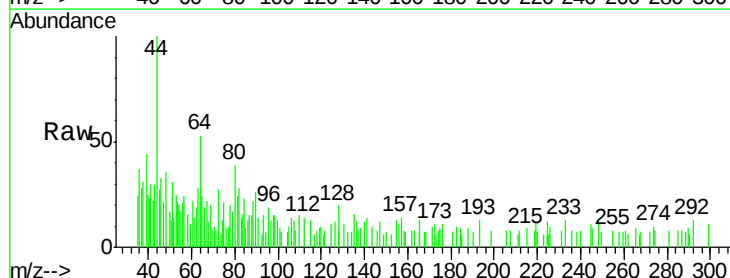
Tgt Ion: 53 Resp: 506

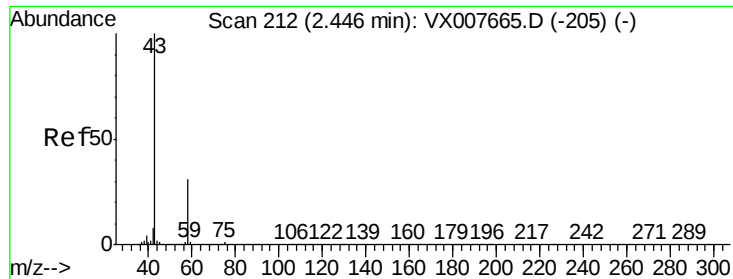
Ion Ratio Lower Upper

53 100

52 44.9 66.4 99.6#

51 111.5 28.4 42.6#





#16

Acetone

Concen: 1.284 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

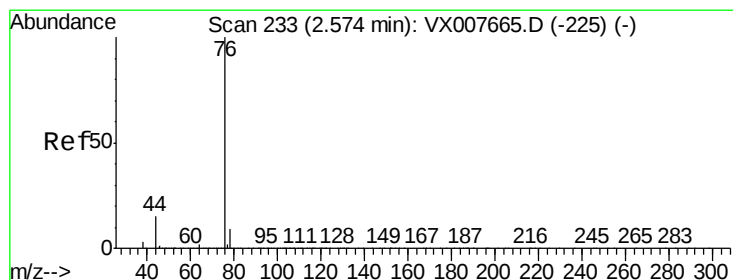
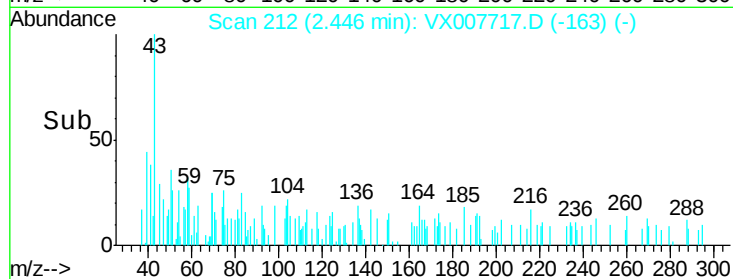
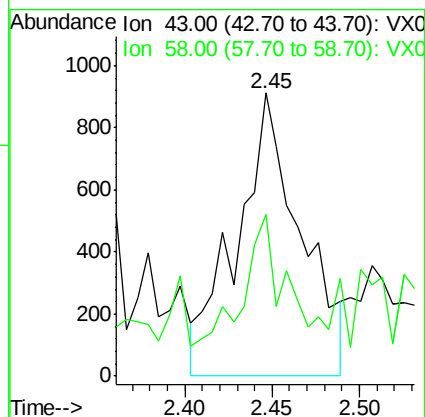
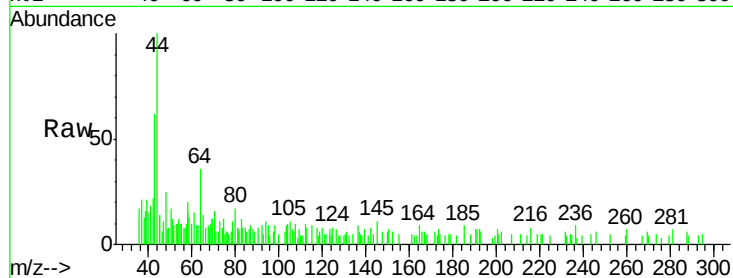
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 2320

Ion Ratio Lower Upper

43 100

58 57.6 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007717.D

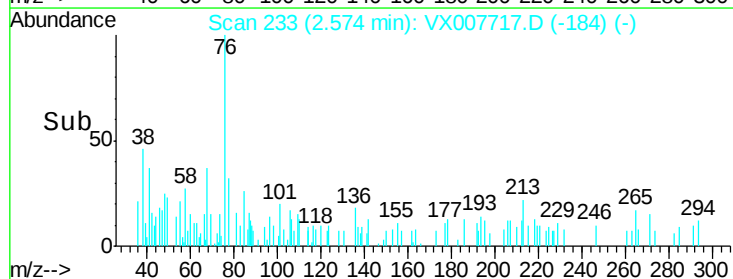
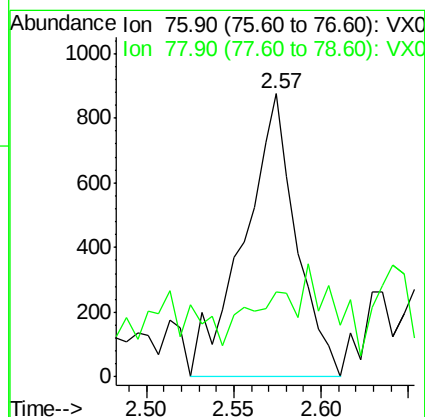
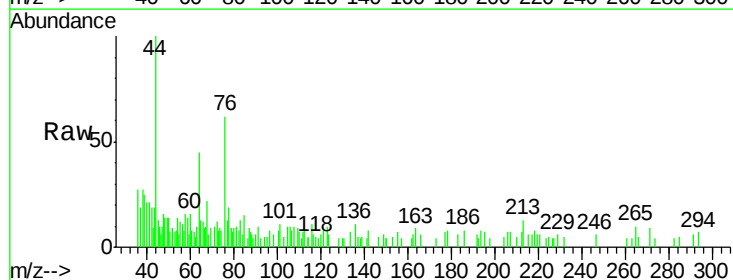
Acq: 26 Feb 2019 16:53

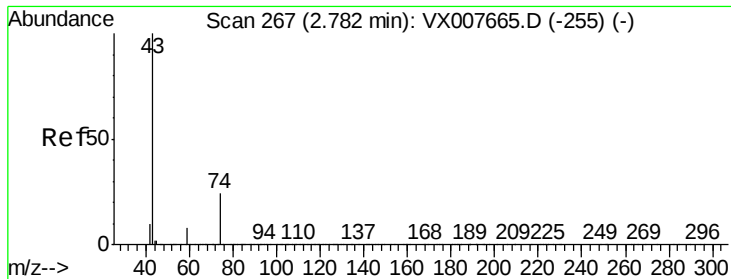
Tgt Ion: 76 Resp: 1805

Ion Ratio Lower Upper

76 100

78 11.9 7.1 10.7#

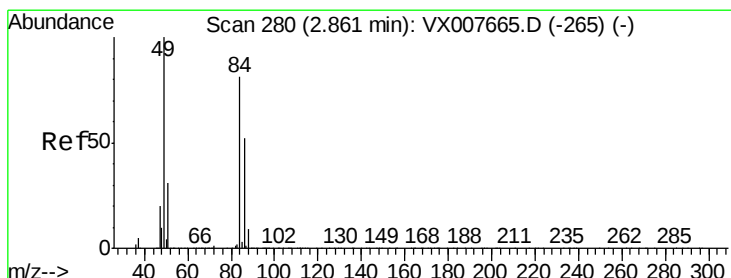
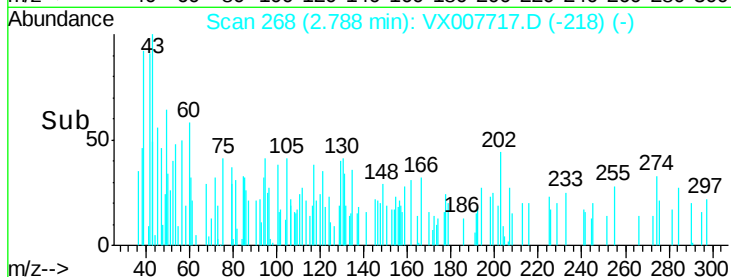
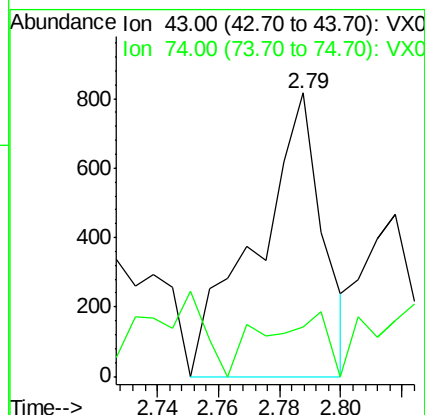
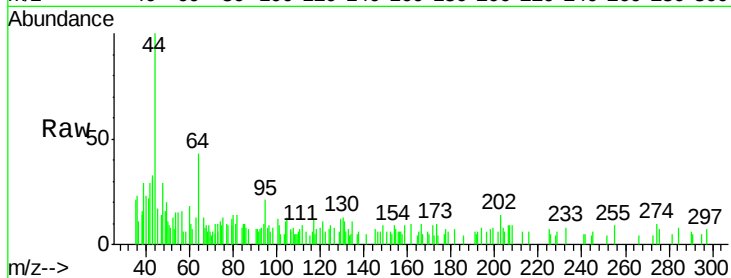




#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

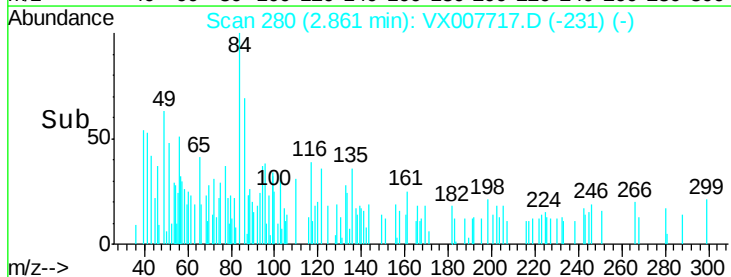
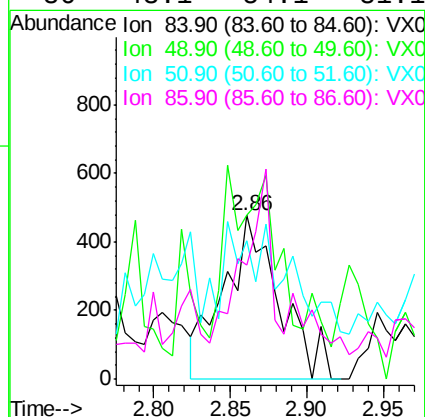
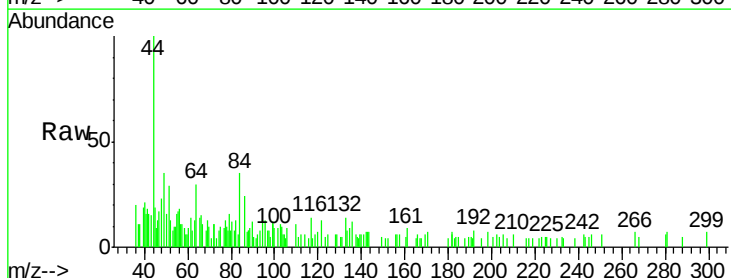
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

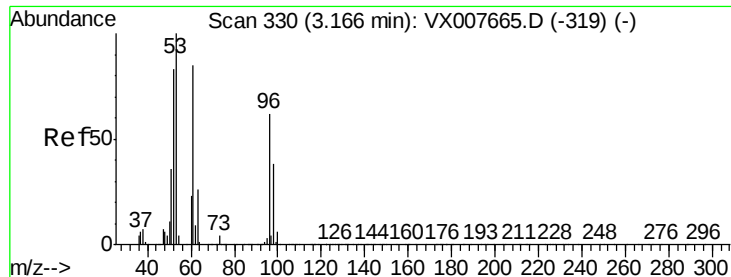
Tot Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
74 21.5 19.4 29.2



#20
Methylene Chloride
Concen: 0.360 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

Tgt Ion: 84 Resp: 1202
Ion Ratio Lower Upper
84 100
49 53.8 94.8 142.2#
51 25.9 29.8 44.8#
86 43.1 54.1 81.1#





#21

trans-1,2-Dichloroethene

Concen: 0.259 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampled :

STORAGE-BLANK-WATER-REF-5

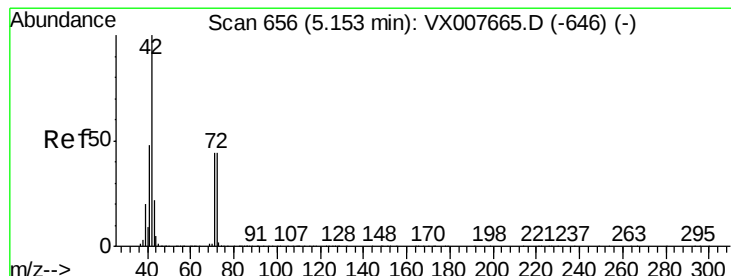
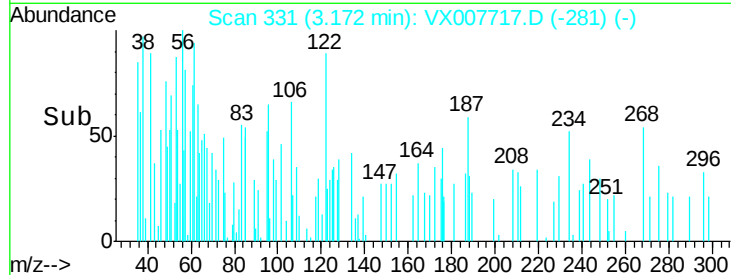
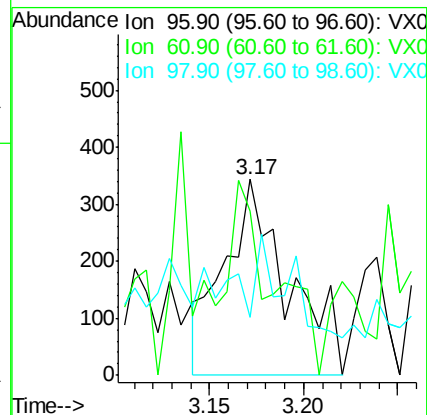
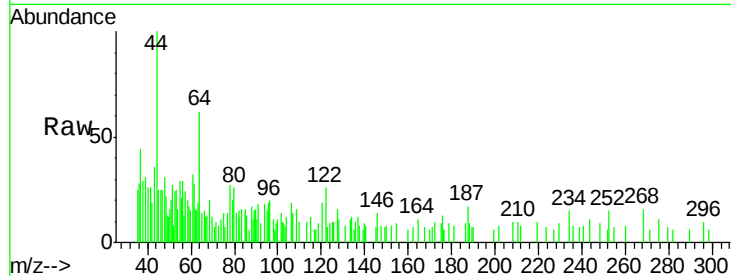
Tot Ion: 96 Resp: 807

Ion Ratio Lower Upper

96 100

61 53.5 104.6 156.8#

98 0.0 51.0 76.4#



#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

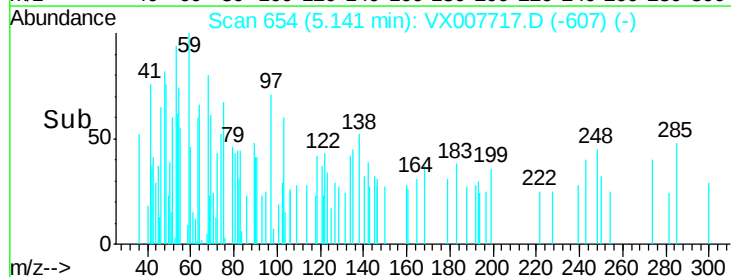
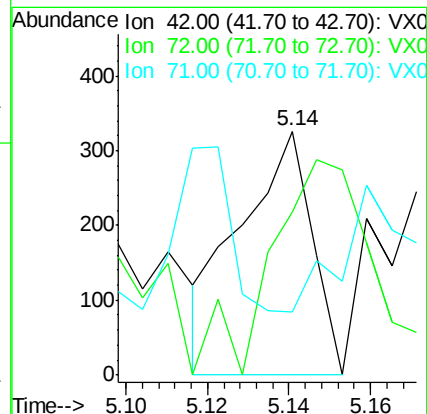
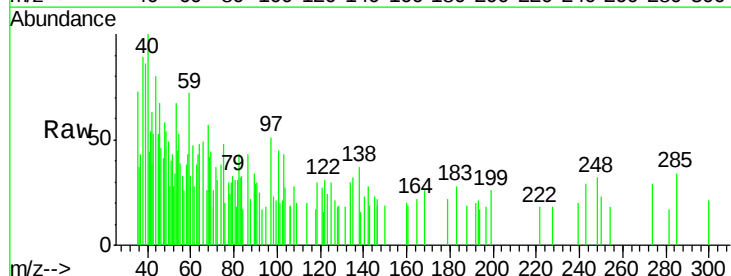
Tgt Ion: 42 Resp: 403

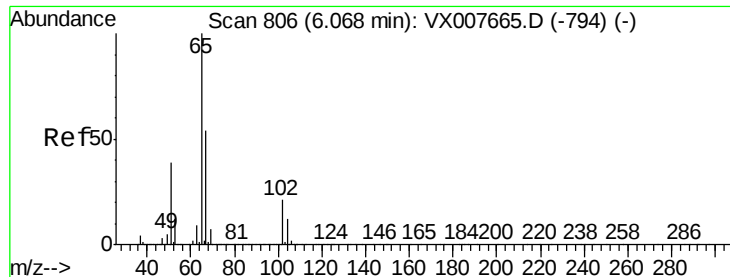
Ion Ratio Lower Upper

42 100

72 113.4 37.6 56.4#

71 0.0 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 50.308 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

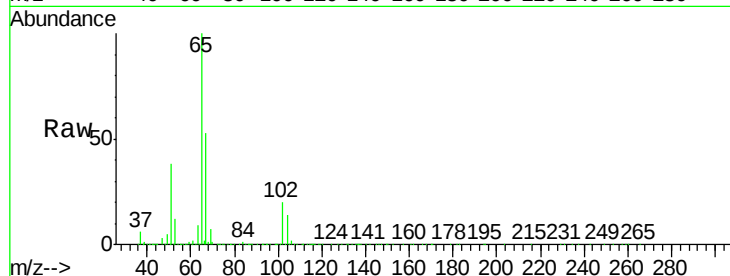
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 204478

Ion Ratio Lower Upper

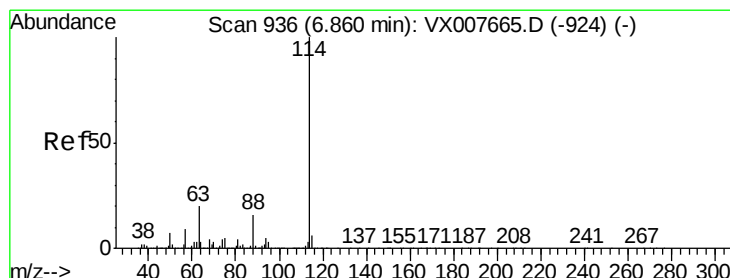
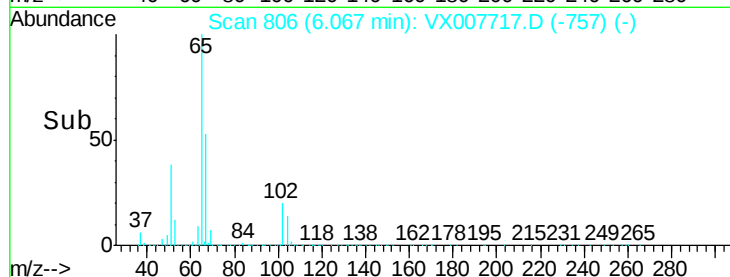
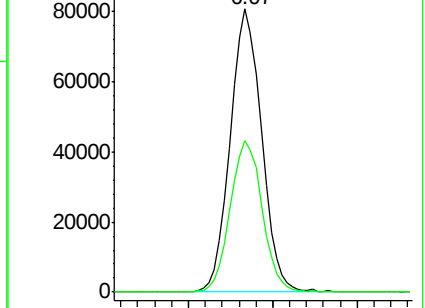
65 100

67 54.0 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: VX007717.D

Acq: 26 Feb 2019 16:53

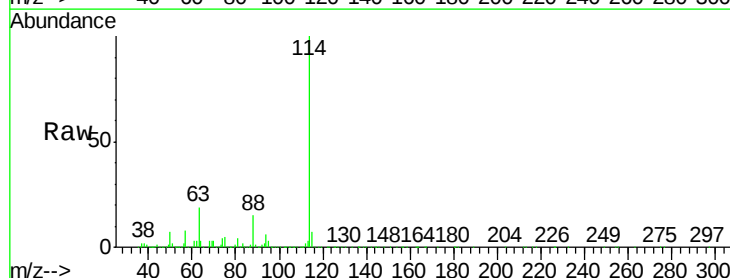
Tgt Ion: 114 Resp: 567246

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

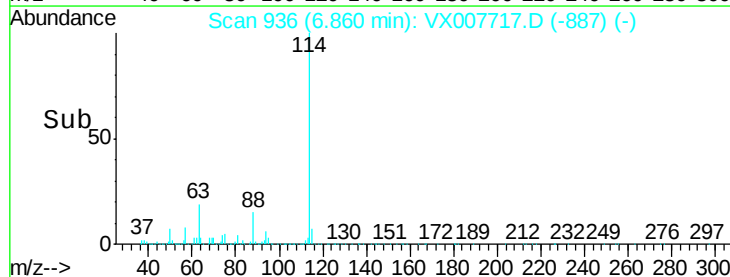
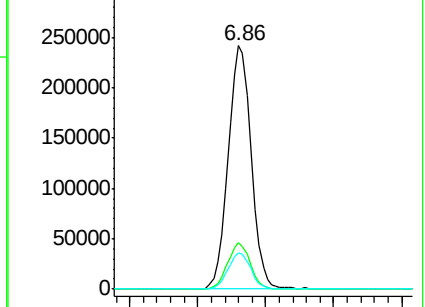
88 14.8 0.0 29.6

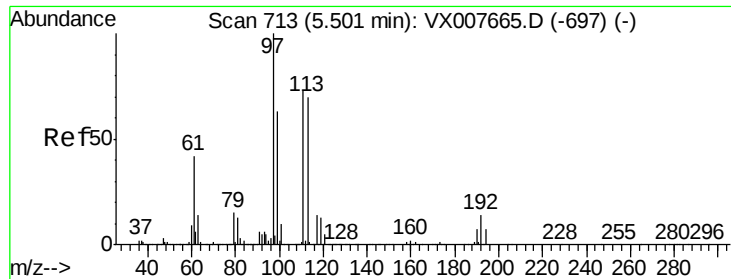


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

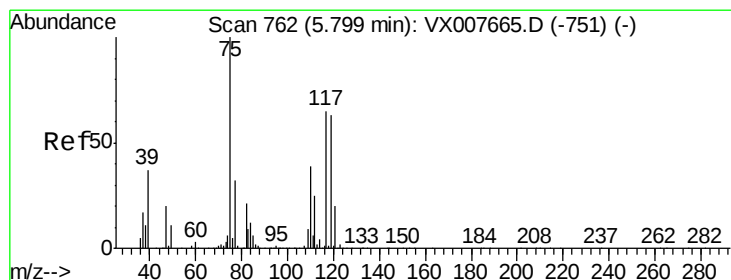
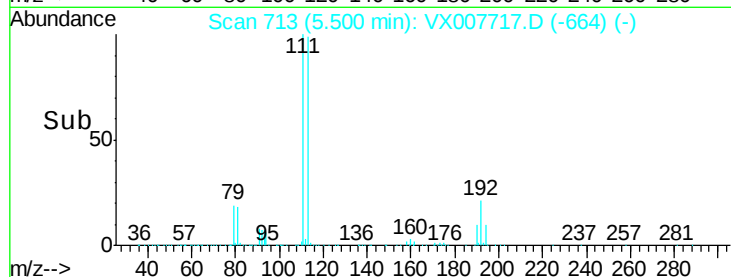
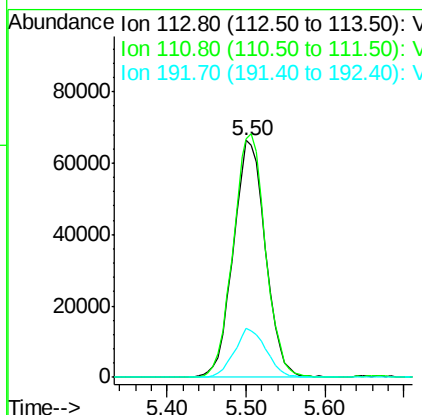
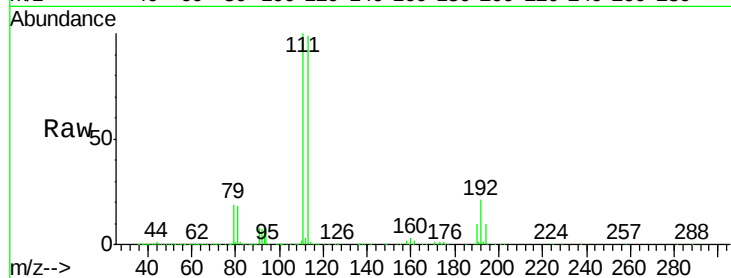




#35
Dibromofluoromethane
Concen: 49.334 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

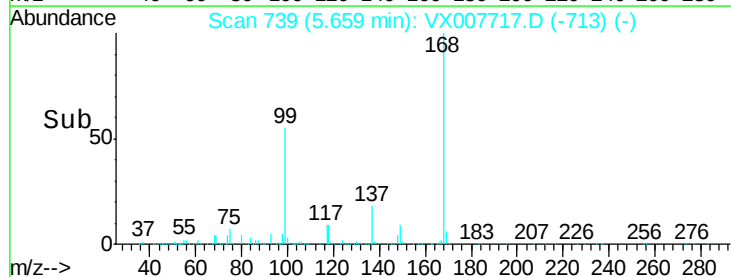
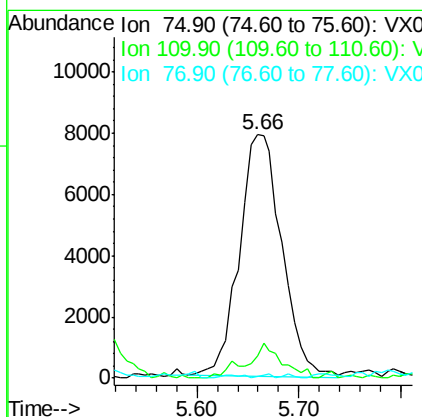
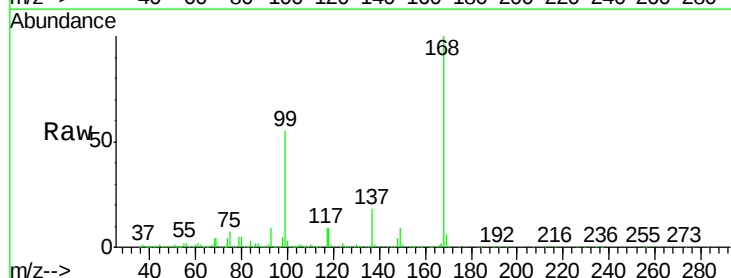
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

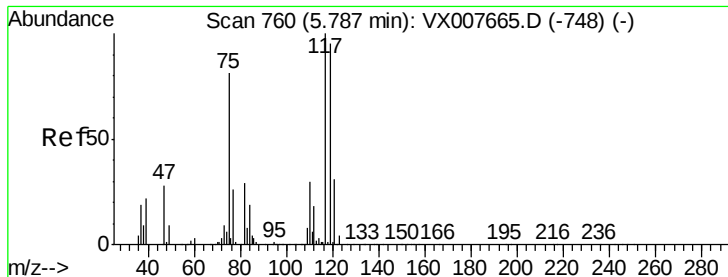
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	20.5	18.5	27.7



#36
1,1-Dichloropropene
Concen: 4.472 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	20.0	59.9#
77	0.5	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

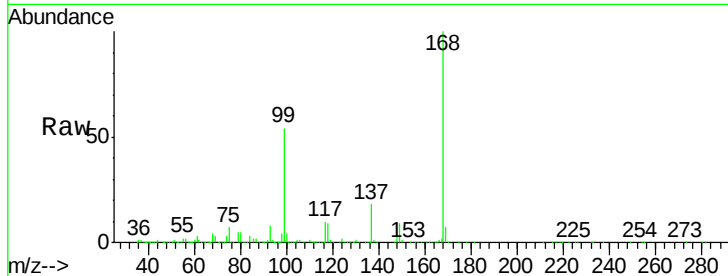
Tot Ion:117 Resp: 32126

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

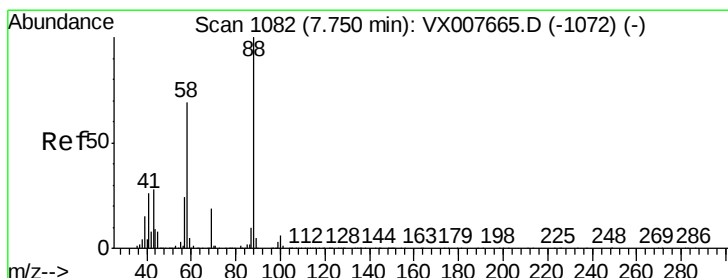
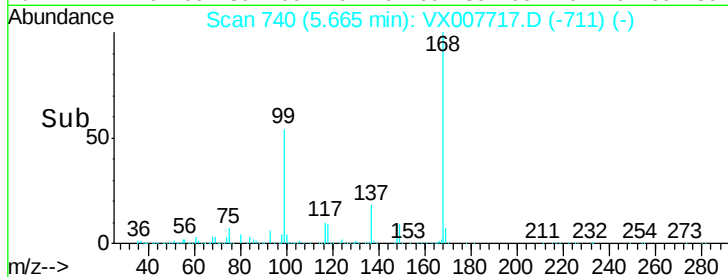
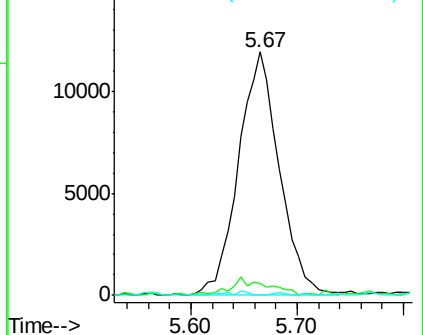
121 0.0 25.0 37.4#



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: 2.877 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

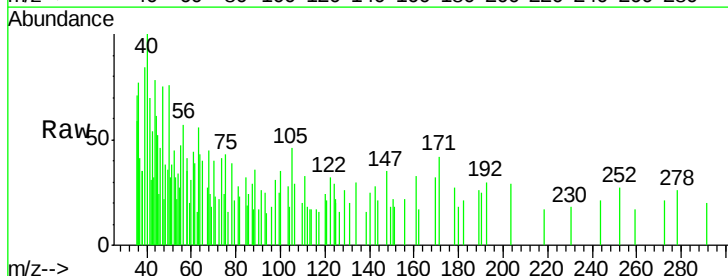
Tgt Ion: 88 Resp: 284

Ion Ratio Lower Upper

88 100

43 151.4 24.2 36.4#

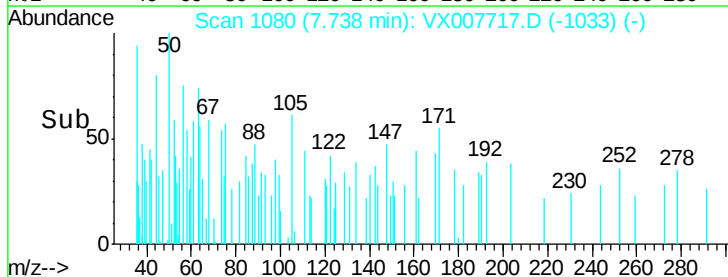
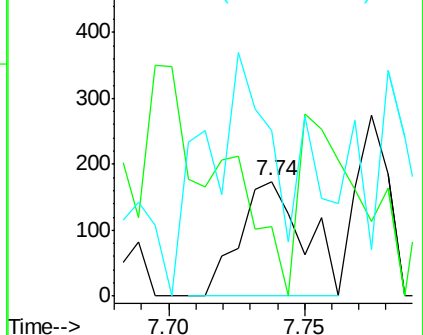
58 0.0 53.0 79.4#

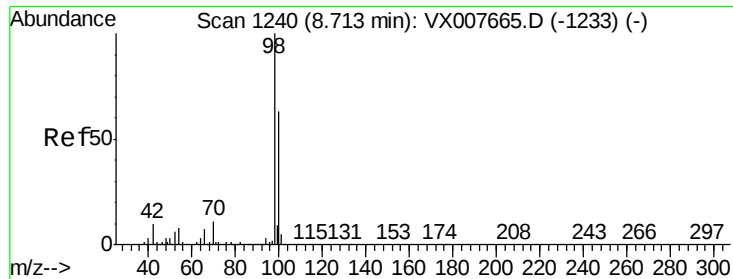


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.234 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

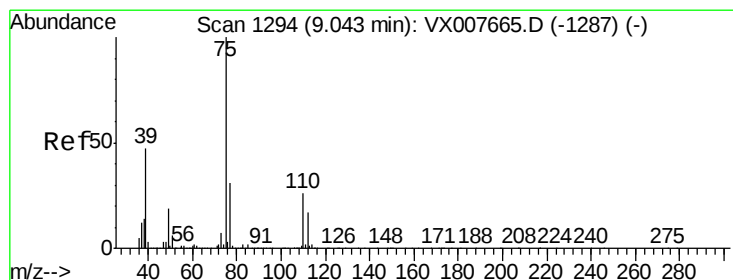
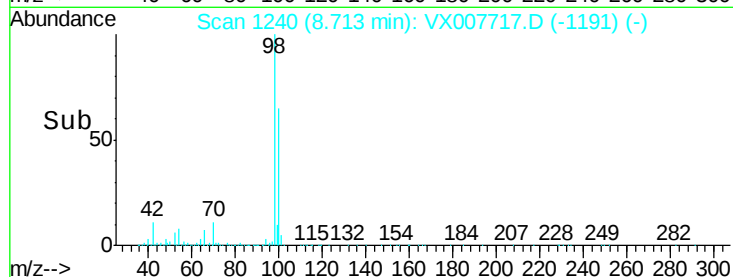
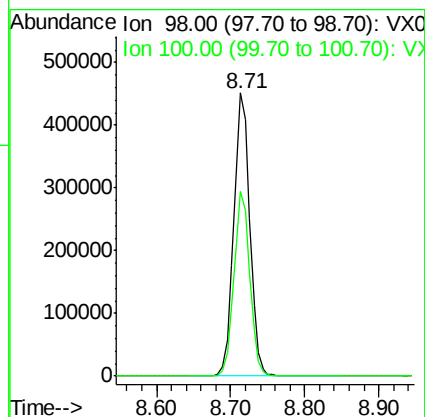
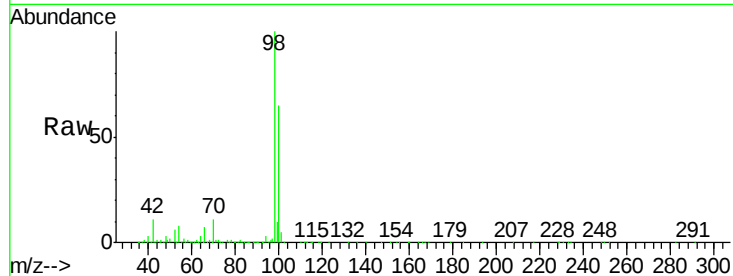
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 685683

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.851 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX007717.D

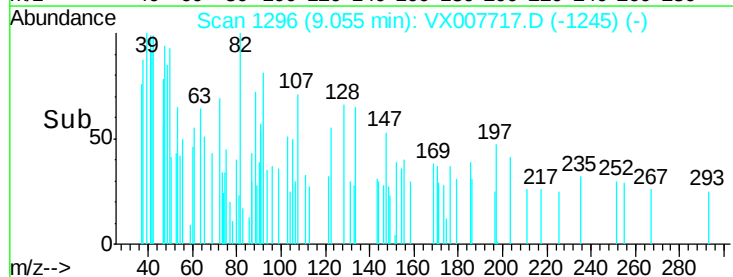
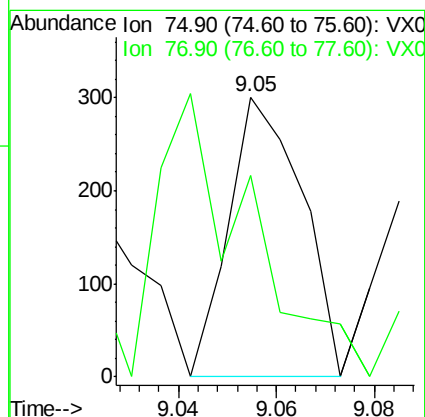
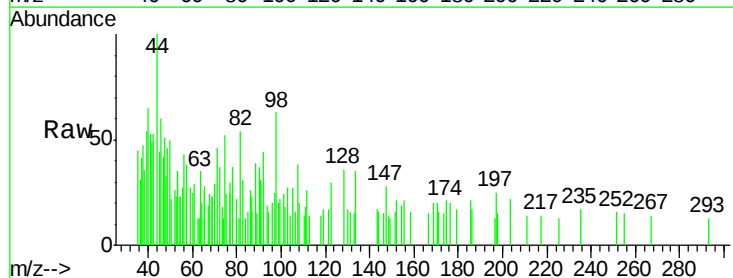
Acq: 26 Feb 2019 16:53

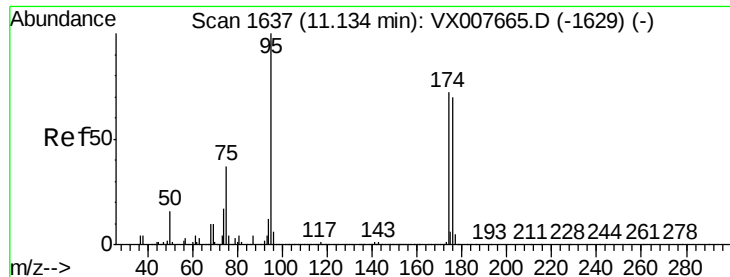
Tgt Ion: 75 Resp: 312

Ion Ratio Lower Upper

75 100

77 67.8 25.2 37.8#

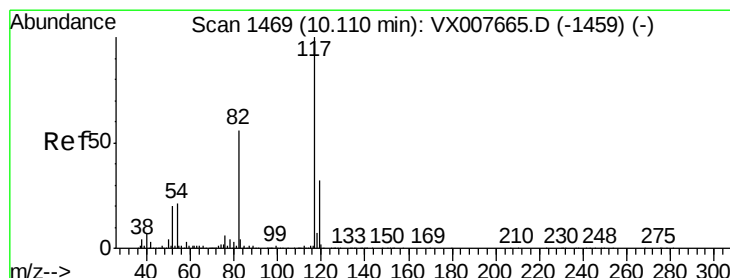
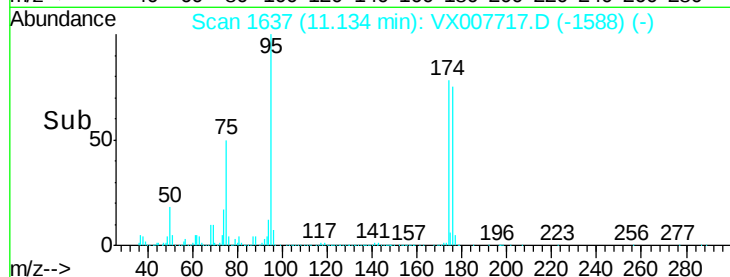
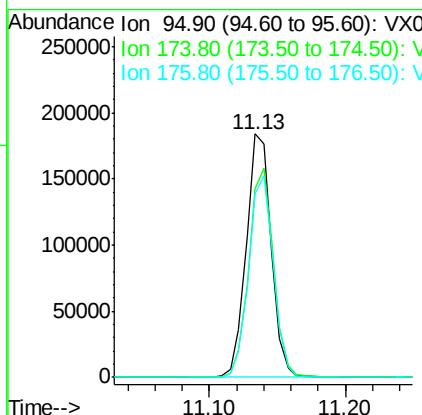
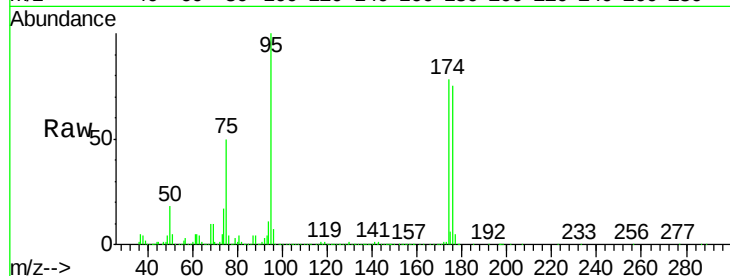




#62
4-Bromofluorobenzene
Concen: 44.307 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

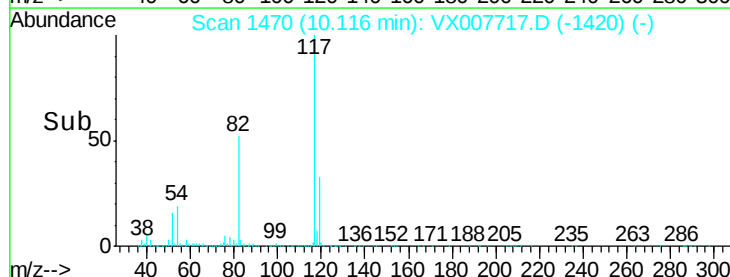
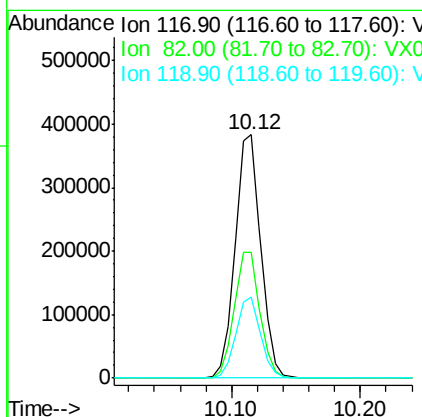
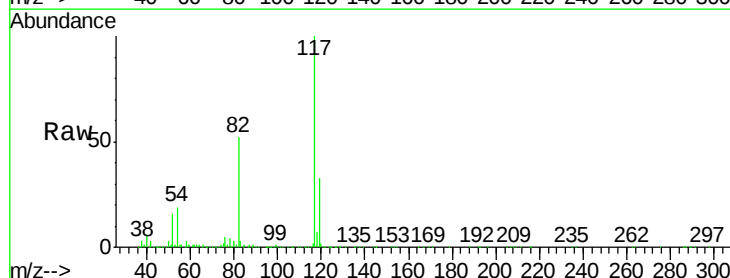
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

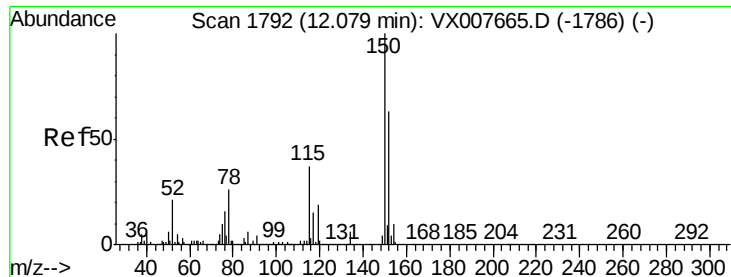
Tot Ion: 95 Resp: 236072
Ion Ratio Lower Upper
95 100
174 85.5 0.0 189.2
176 82.0 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

Tgt Ion: 117 Resp: 529031
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 33.2 26.5 39.7



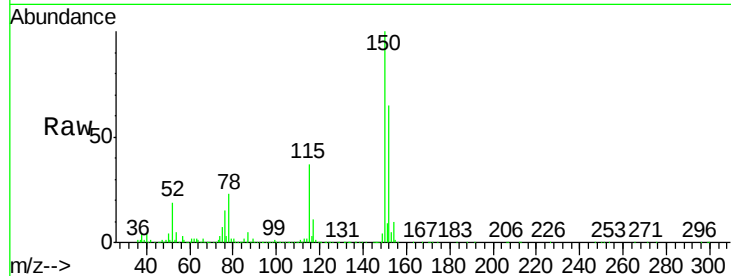


#72

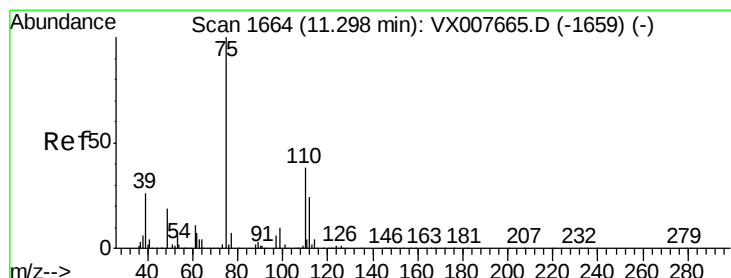
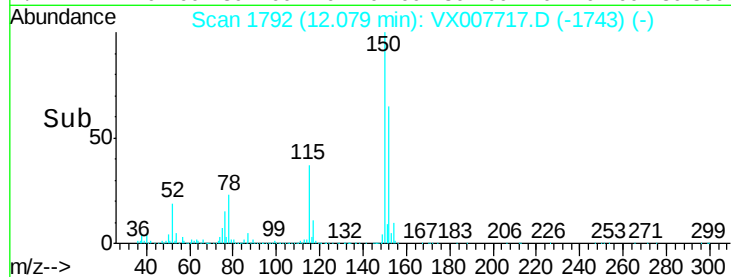
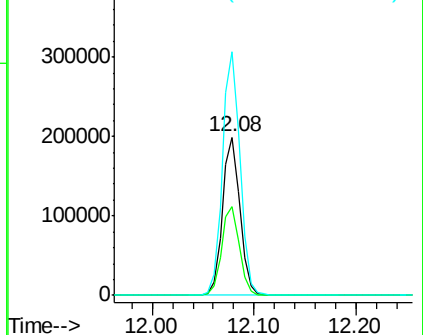
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.5	38.0	114.0
150	155.8	0.0	346.4



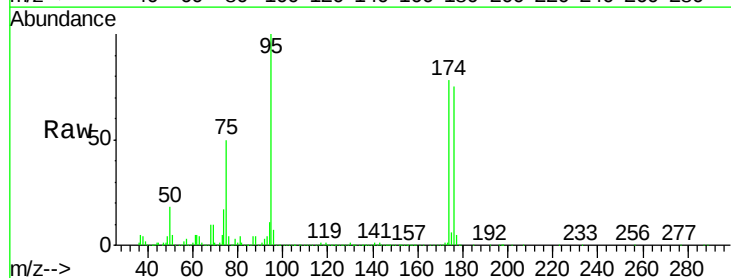
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



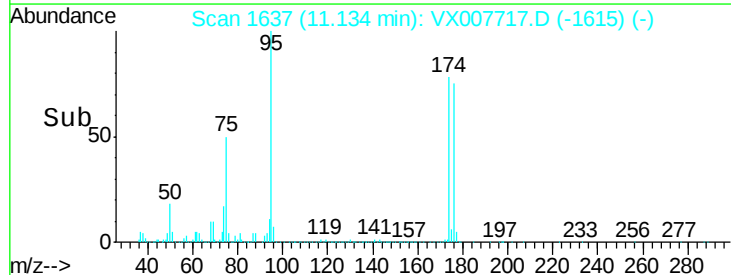
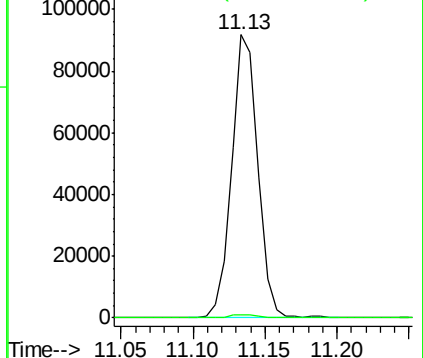
#76

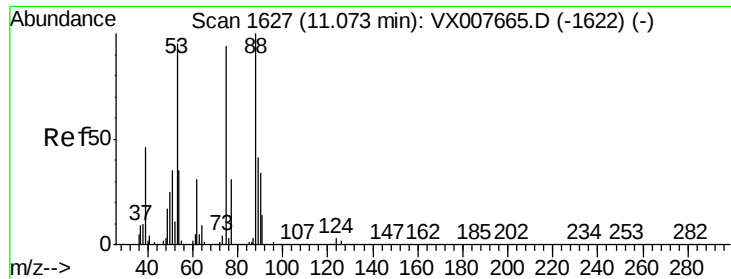
1,2,3-Trichloropropane
Concen: 23.025 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007717.D
Acq: 26 Feb 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 60.996 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007717.D

Acq: 26 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 116403

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

