

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
 Data File : VX007264.D
 Acq On : 28 Jan 2019 16:52
 Operator : JC/SP
 Sample : K1244-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 29 00:18:50 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	542029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	834380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	790411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	383911	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	289153	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	5.50	113	261952	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	1000768	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	358992	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	

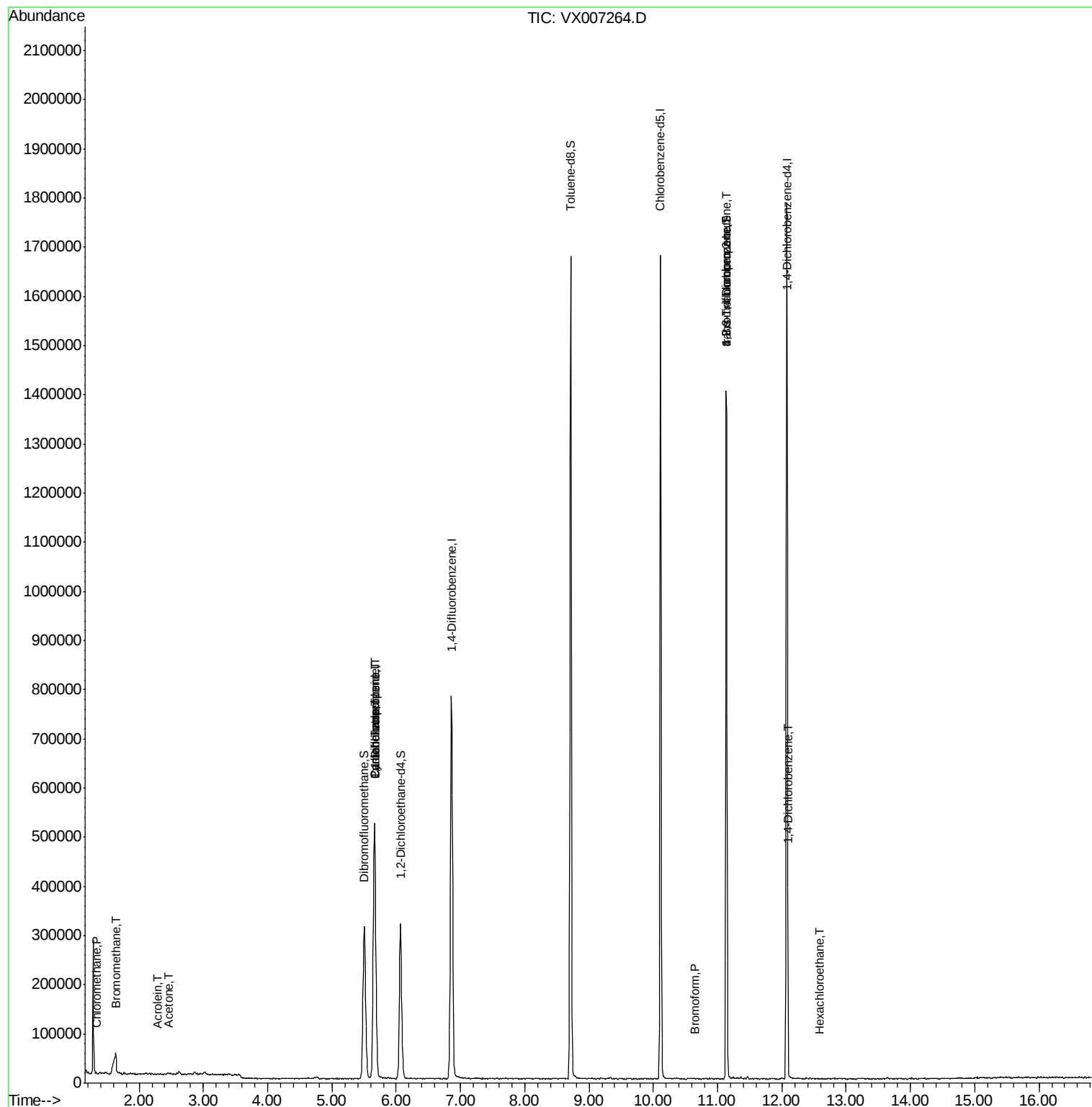
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1354	0.261	ug/l	89
5) Bromomethane	1.64	94	2733	0.459	ug/l	81
13) Acrolein	2.28	56	230	3.478	ug/l #	76
16) Acetone	2.45	43	3401	1.214	ug/l	94
20) Methylene Chloride	2.86	84	2164	Below Cal	#	79
31) Cyclohexane	5.67	56	9202	1.152	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	34131	4.705	ug/l #	48
38) Carbon Tetrachloride	5.67	117	48969	6.709	ug/l #	15
49) 1,4-Dioxane	7.76	88	266	Below Cal	#	42
71) Bromoform	10.65	173	134	4.751	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	171156	22.000	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	171156	65.153	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	794	0.207	ug/l #	1
90) Hexachloroethane	12.58	117	27	2.915	ug/l #	6

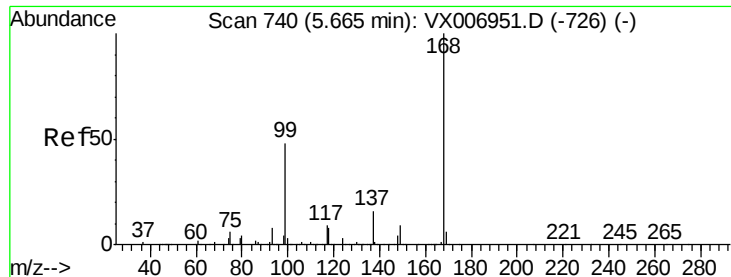
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

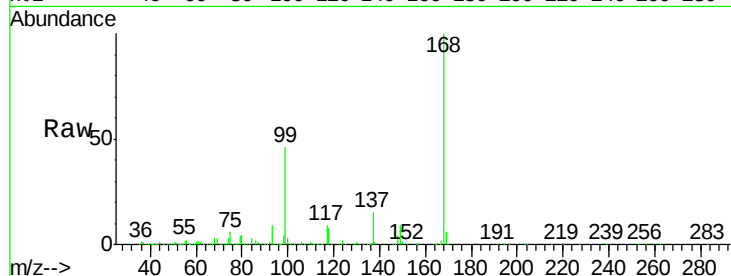
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 542029

Ion Ratio Lower Upper

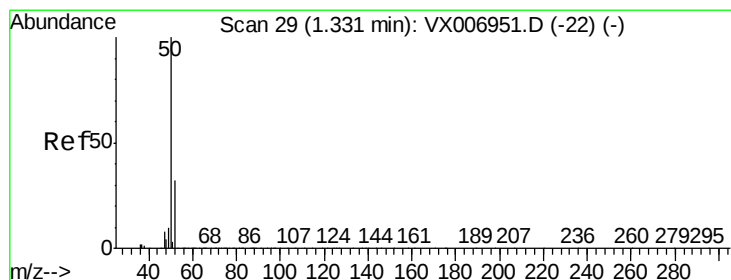
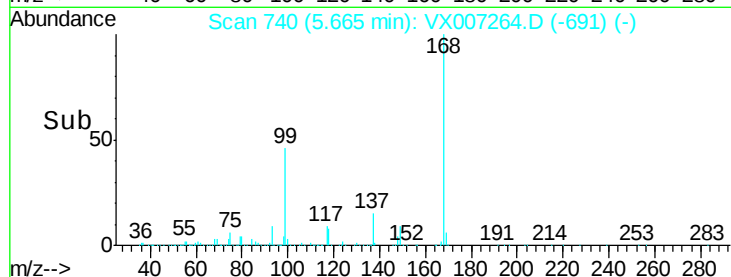
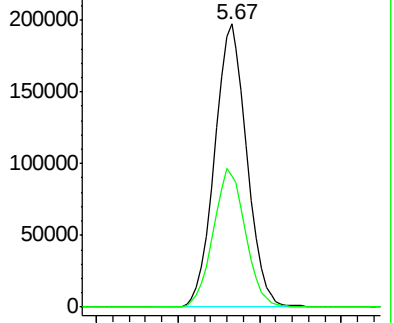
168 100

99 46.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007264.D

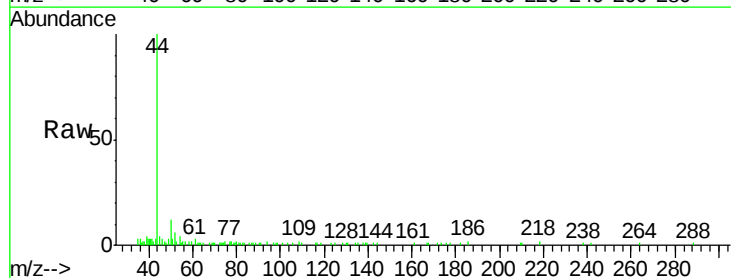
Acq: 28 Jan 2019 16:52

Tgt Ion: 50 Resp: 1354

Ion Ratio Lower Upper

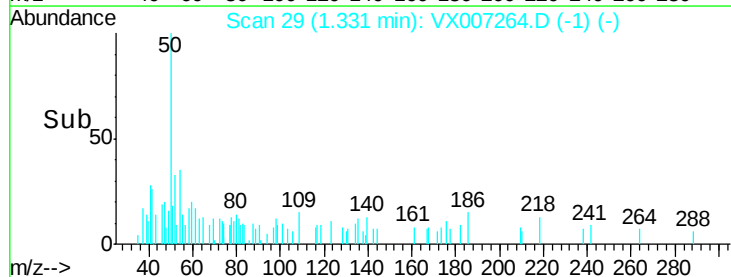
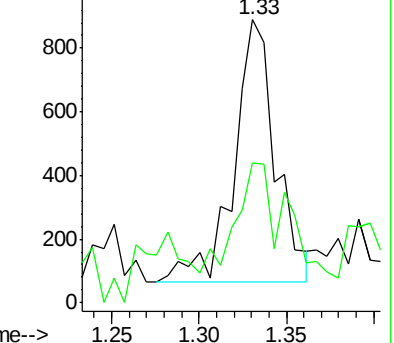
50 100

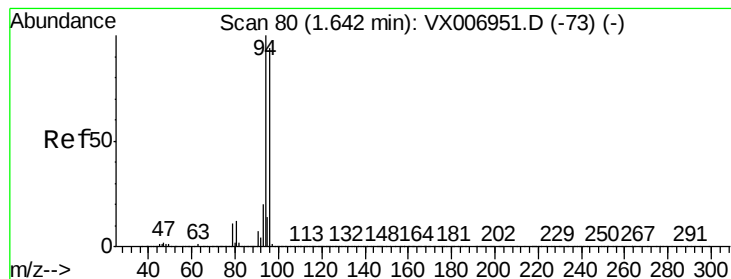
52 38.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.459 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

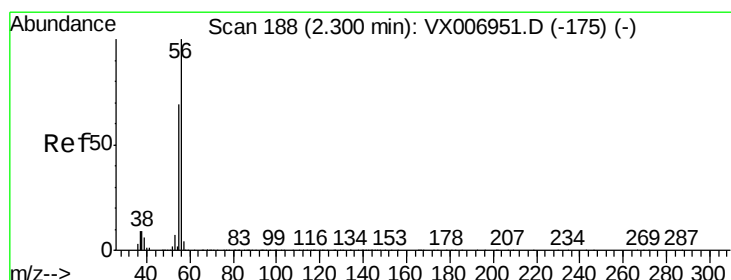
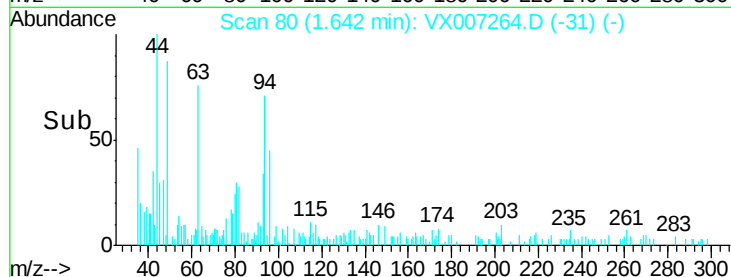
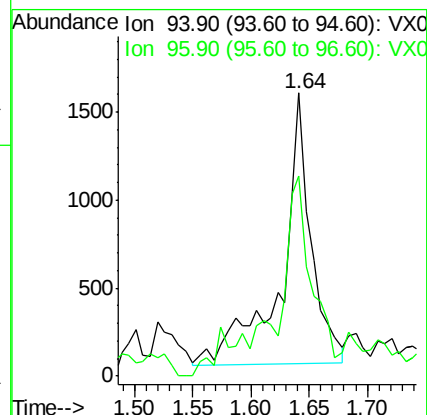
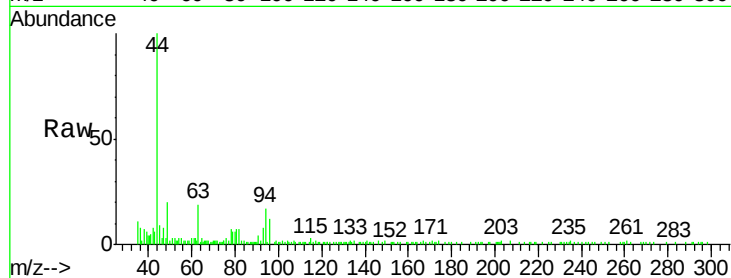
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 2733

Ion Ratio Lower Upper

94 100

96 74.1 73.4 110.2



#13

Acrolein

Concen: 3.478 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX007264.D

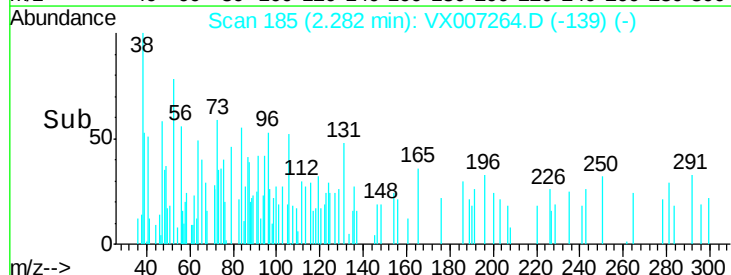
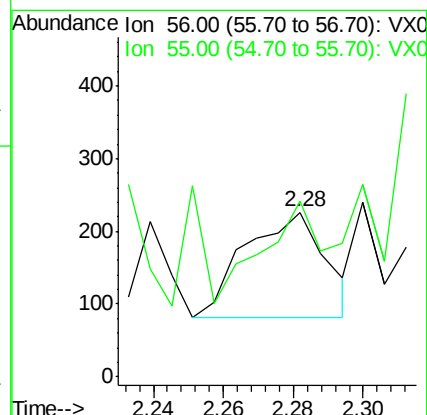
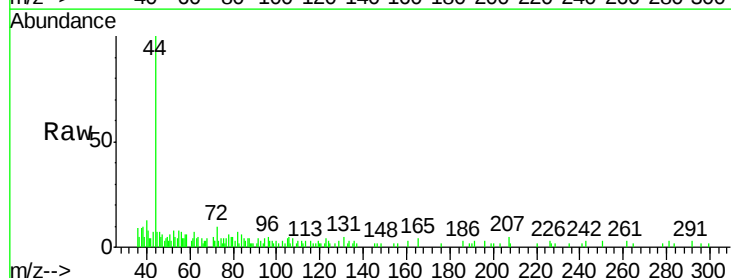
Acq: 28 Jan 2019 16:52

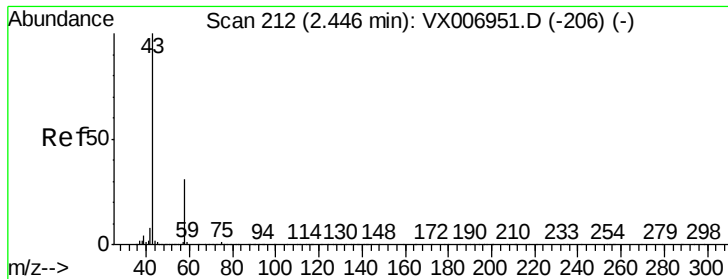
Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 53.0 58.2 87.4#

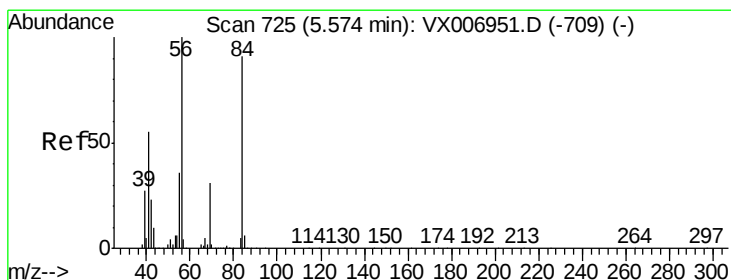
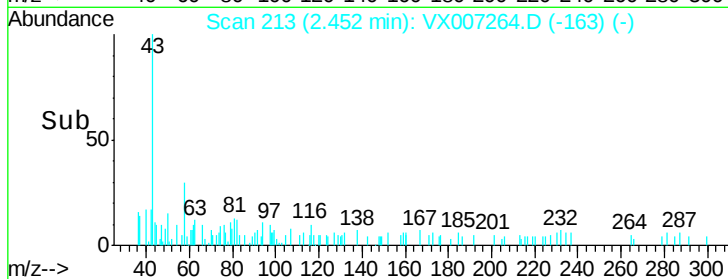
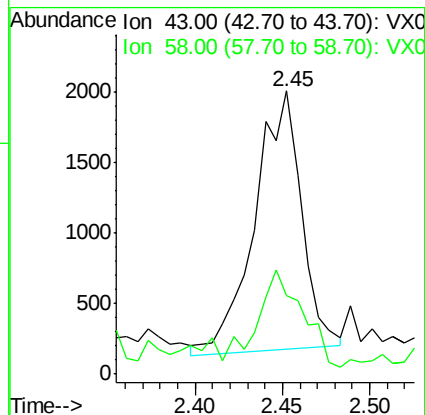
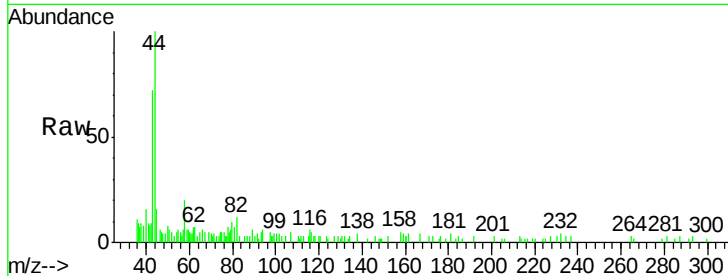




#16
Acetone
Concen: 1.214 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007264.D
Acq: 28 Jan 2019 16:52

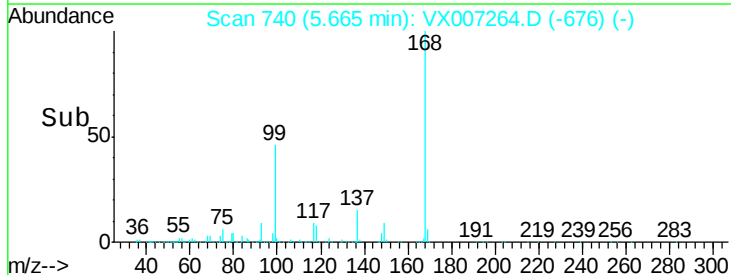
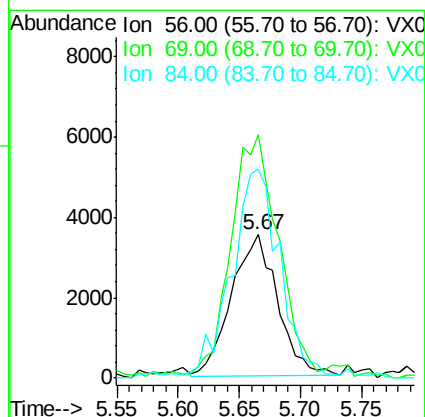
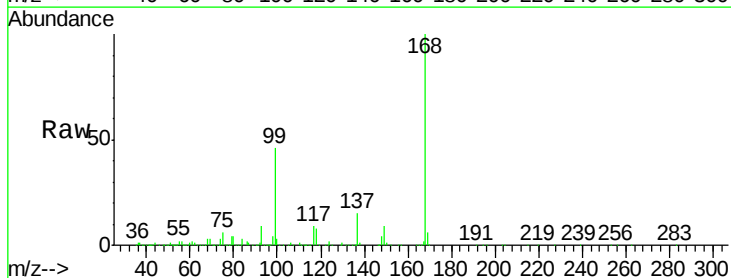
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

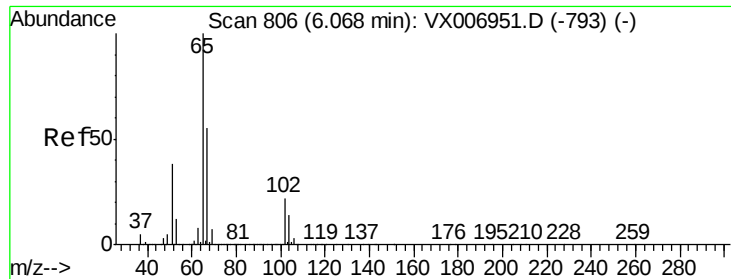
Tot Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
58 27.7 25.0 37.6



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007264.D
Acq: 28 Jan 2019 16:52

Tgt Ion: 56 Resp: 9202
Ion Ratio Lower Upper
56 100
69 171.0 24.4 36.6#
84 147.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.045 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

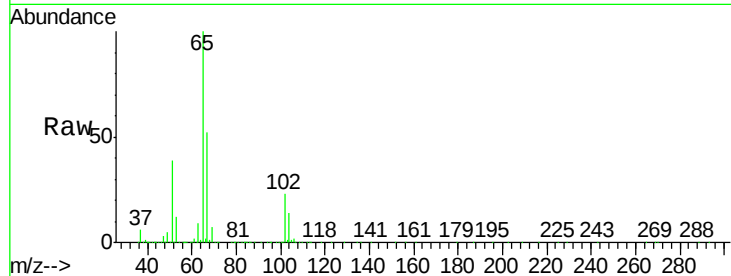
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 289153

Ion Ratio Lower Upper

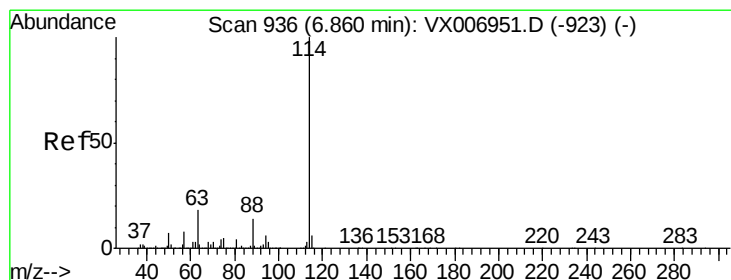
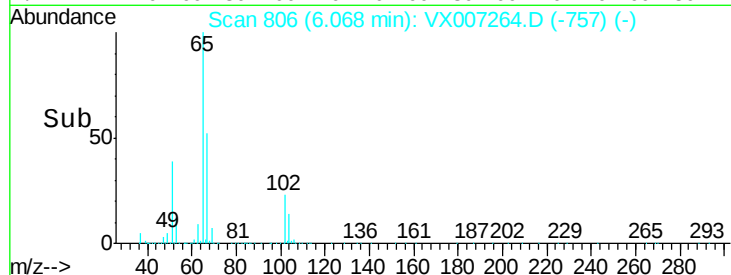
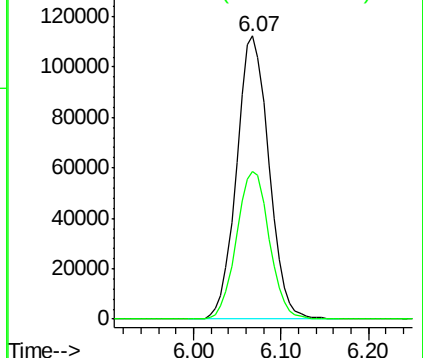
65 100

67 53.1 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: VX007264.D

Acq: 28 Jan 2019 16:52

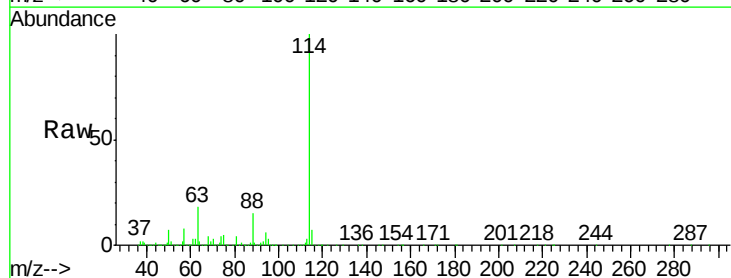
Tgt Ion: 114 Resp: 834380

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

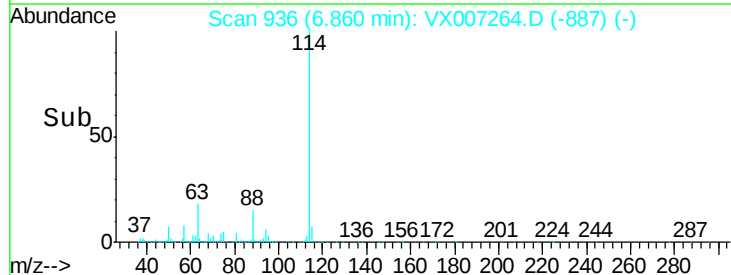
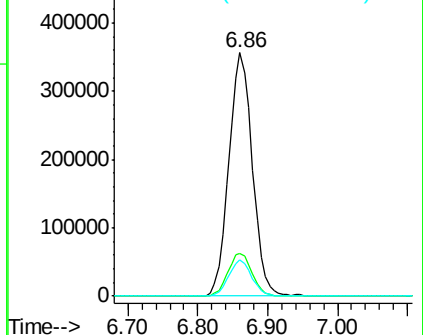
88 14.8 0.0 28.8

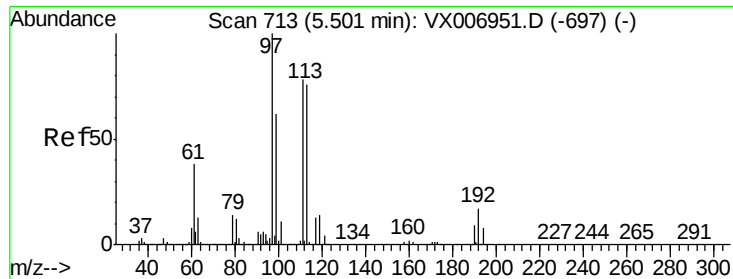


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.024 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

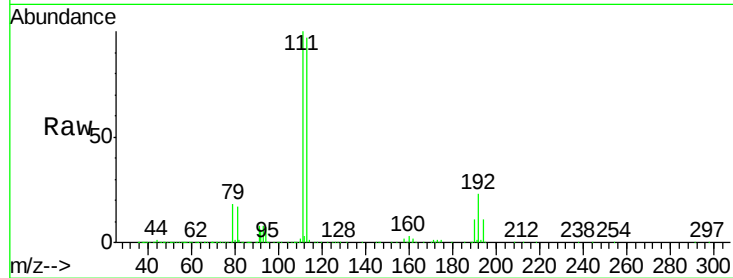
Tot Ion:113 Resp: 261952

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

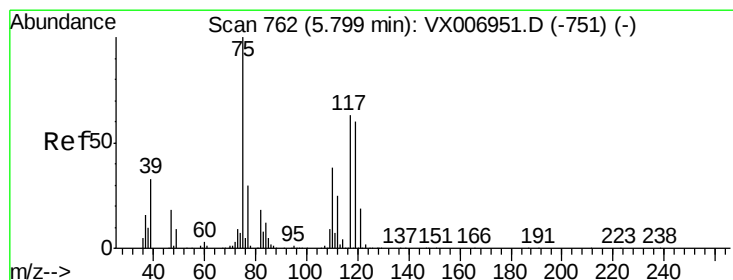
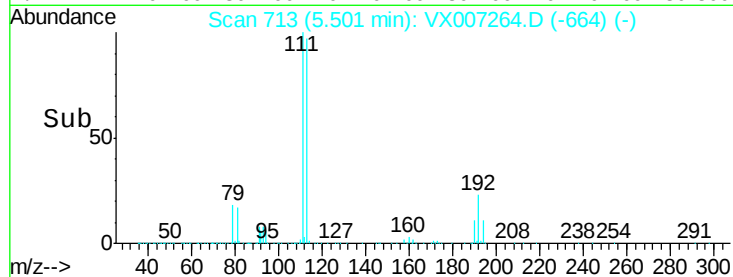
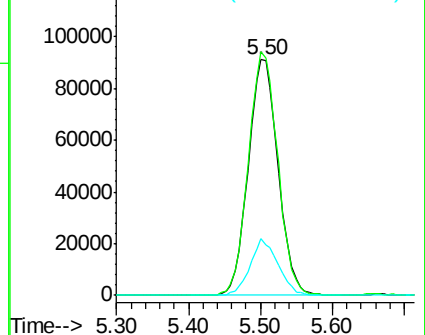
192 22.3 16.7 25.1



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: 4.705 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

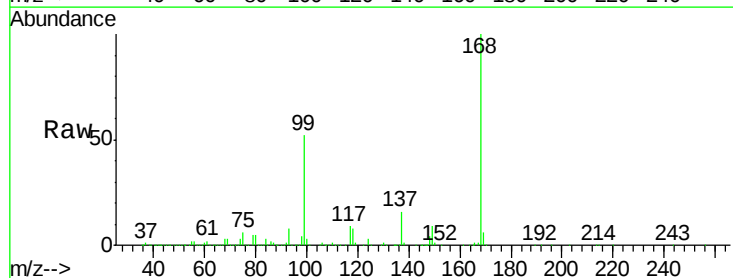
Tgt Ion: 75 Resp: 34131

Ion Ratio Lower Upper

75 100

110 9.8 20.2 60.5#

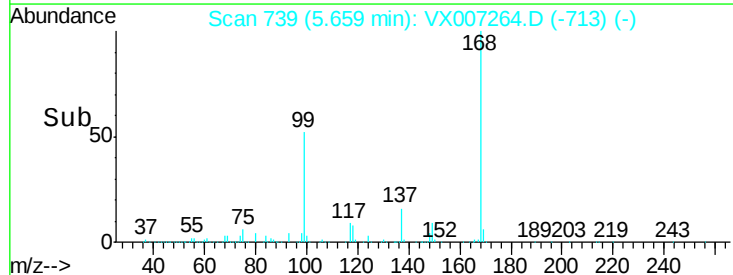
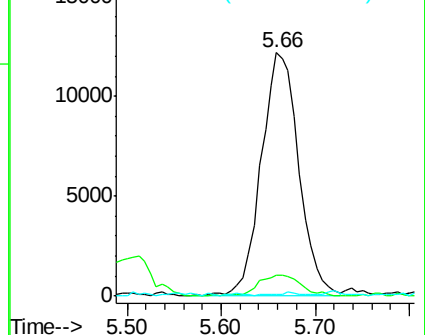
77 0.4 24.8 37.2#

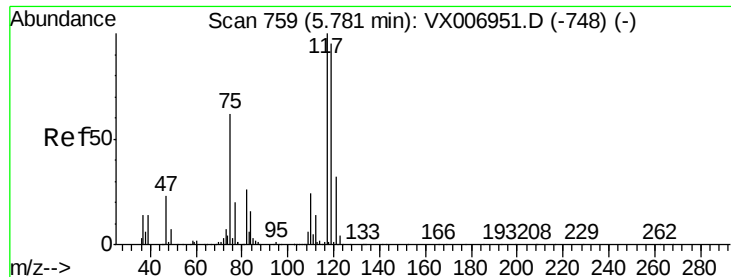


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.709 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

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STORAGE-BLANK-SAMPLE-MANA

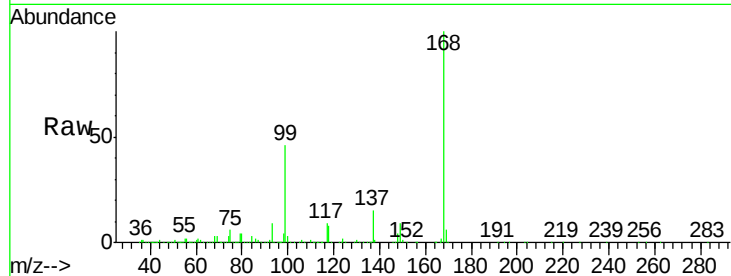
Tot Ion:117 Resp: 48969

Ion Ratio Lower Upper

117 100

119 5.4 79.4 119.2#

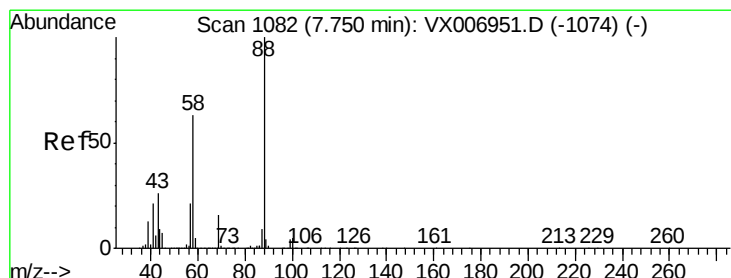
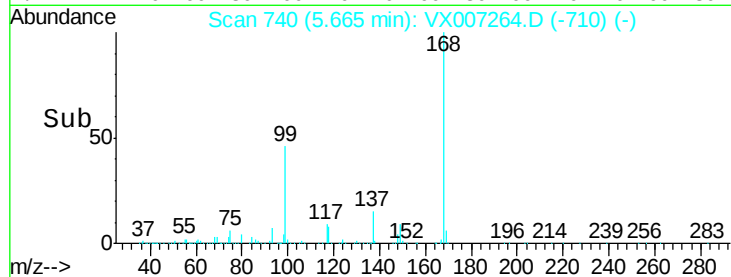
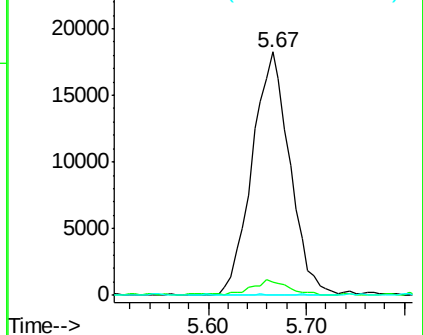
121 0.0 24.0 36.0#



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: VX007264.D

Acq: 28 Jan 2019 16:52

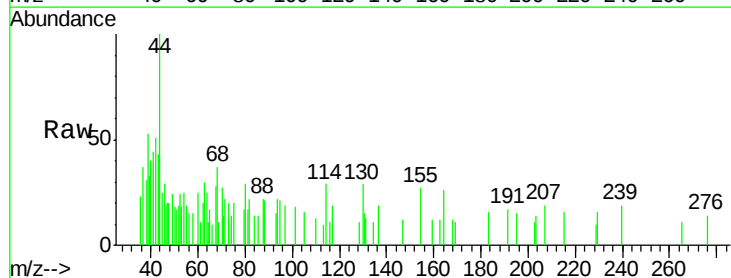
Tgt Ion: 88 Resp: 266

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

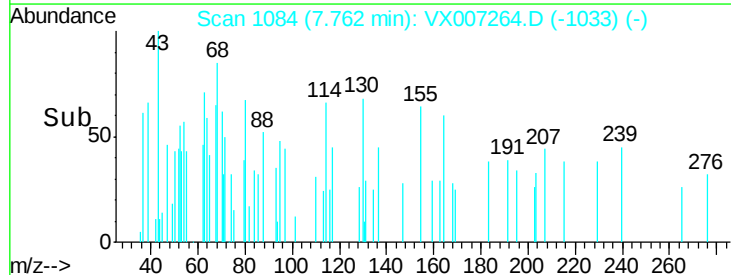
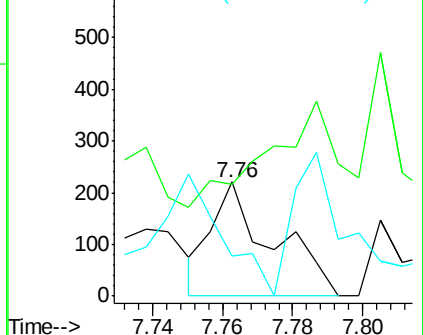
58 110.2 51.0 76.4#

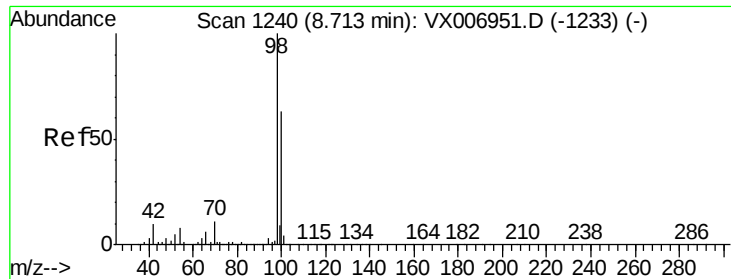


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.169 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

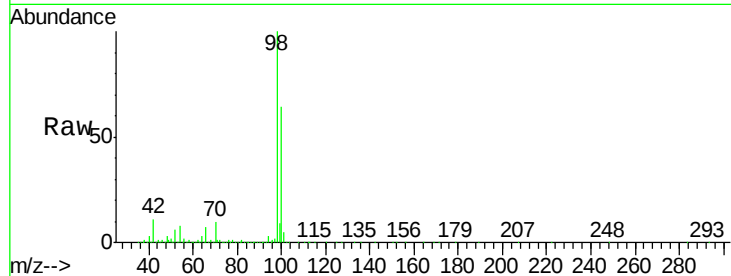
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 1000768

Ion Ratio Lower Upper

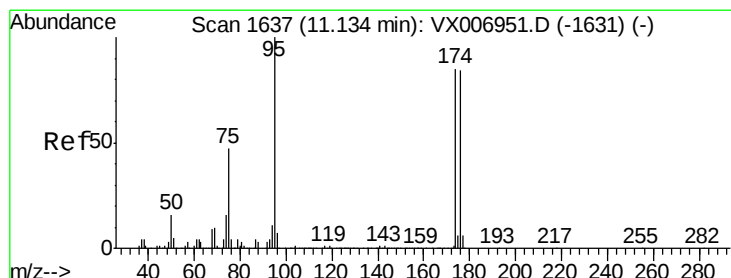
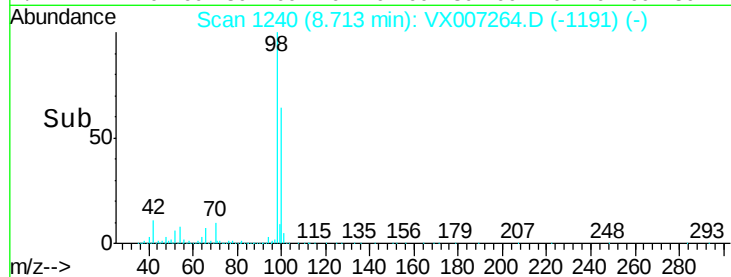
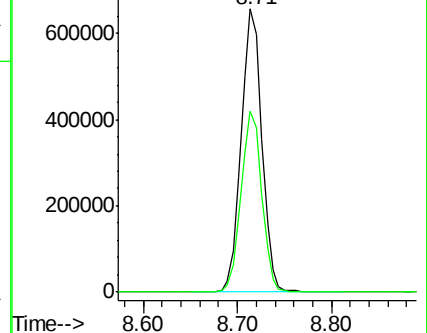
98 100

100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 52.650 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

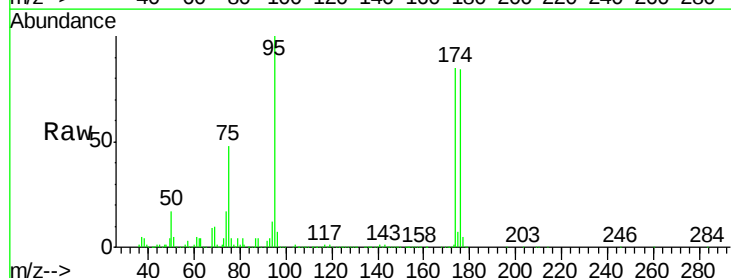
Tgt Ion: 95 Resp: 358992

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.2

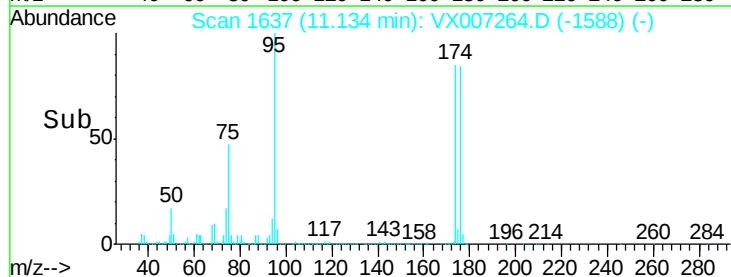
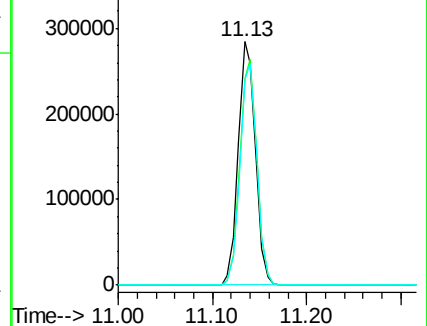
176 90.1 0.0 178.8

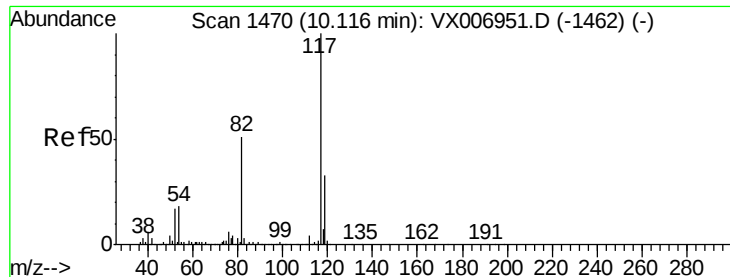


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

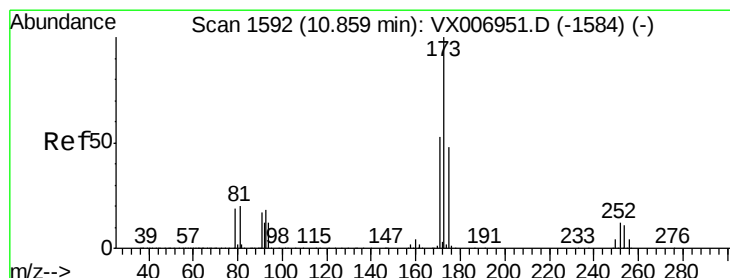
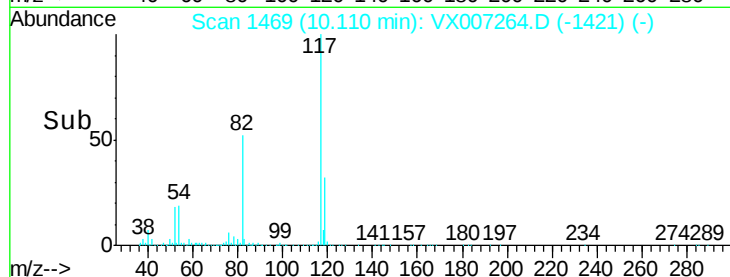
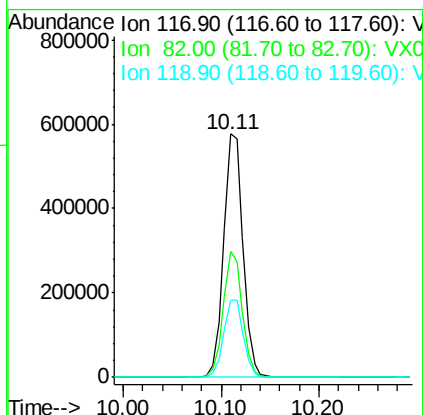
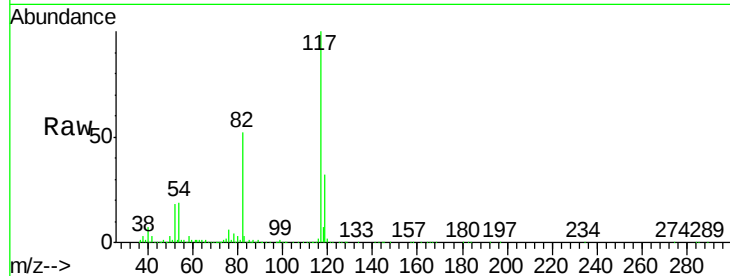




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007264.D
Acq: 28 Jan 2019 16:52

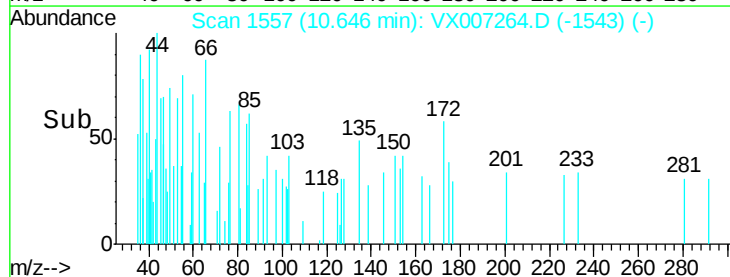
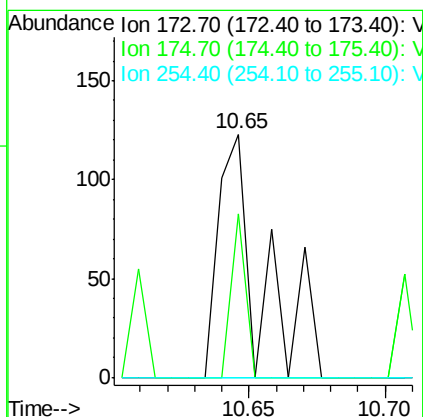
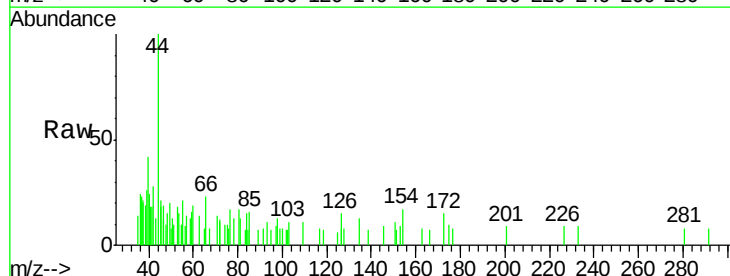
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

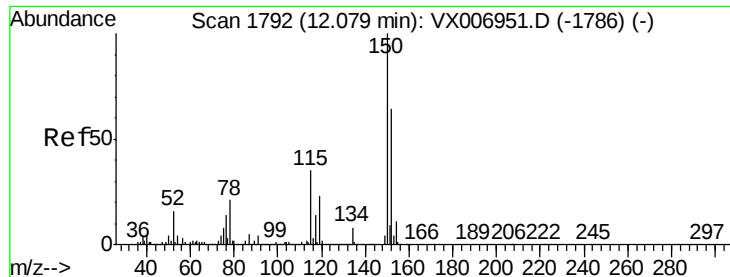
Tot Ion:117 Resp: 790411
Ion Ratio Lower Upper
117 100
82 51.7 41.0 61.6
119 31.6 25.4 38.0



#71
Bromoform
Concen: 4.751 ug/l
RT: 10.65 min Scan# 1557
Delta R.T. -0.21 min
Lab File: VX007264.D
Acq: 28 Jan 2019 16:52

Tgt Ion:173 Resp: 134
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
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: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

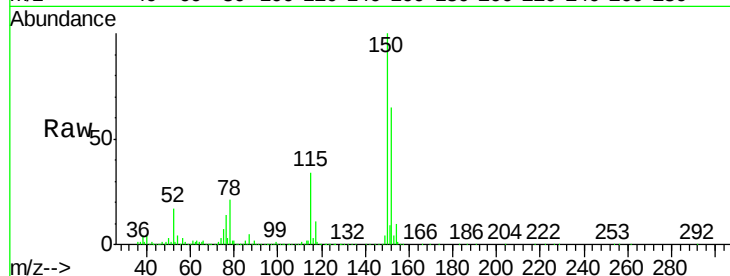
Tot Ion:152 Resp: 383911

Ion Ratio Lower Upper

152 100

115 54.1 39.1 117.2

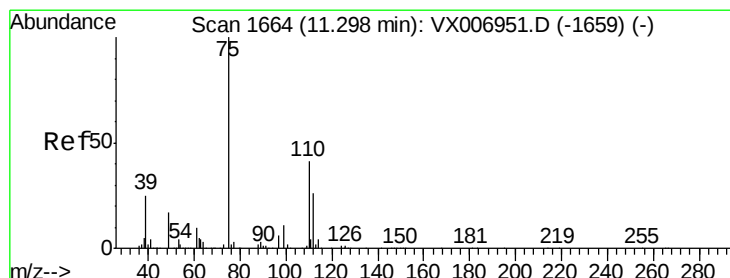
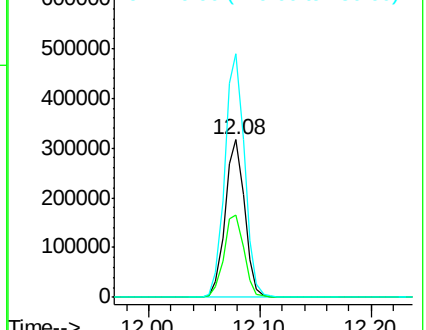
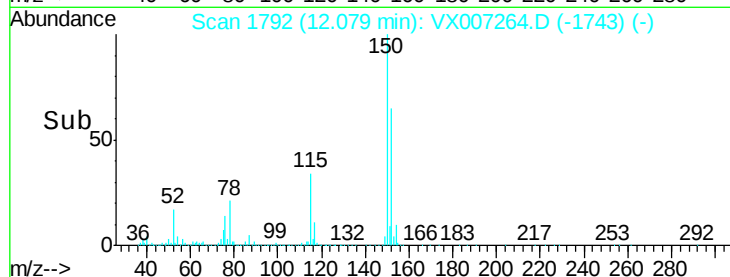
150 156.0 0.0 344.8



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: VX007264.D

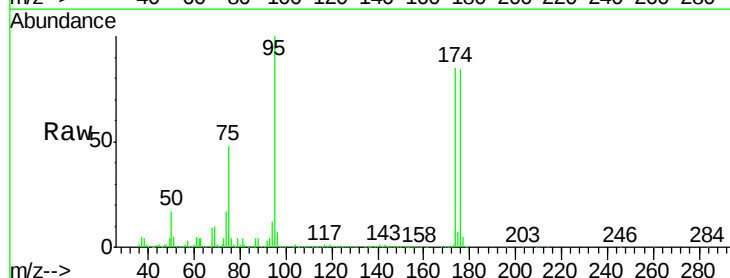
Acq: 28 Jan 2019 16:52

Tgt Ion: 75 Resp: 171156

Ion Ratio Lower Upper

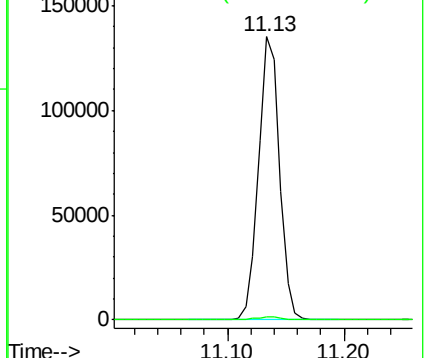
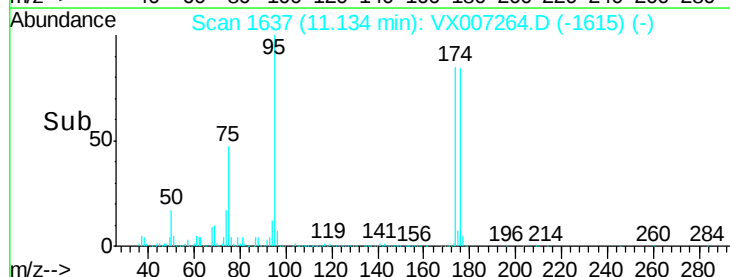
75 100

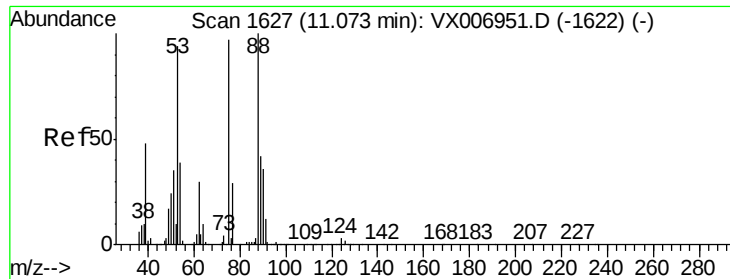
77 1.3 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

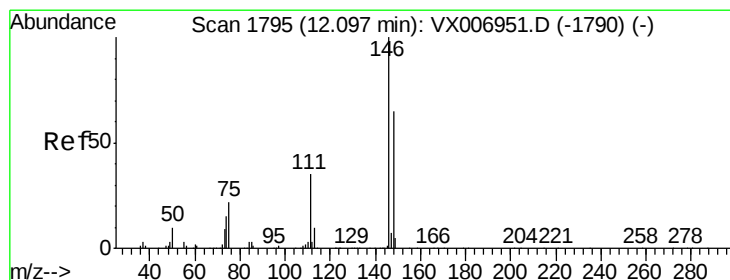
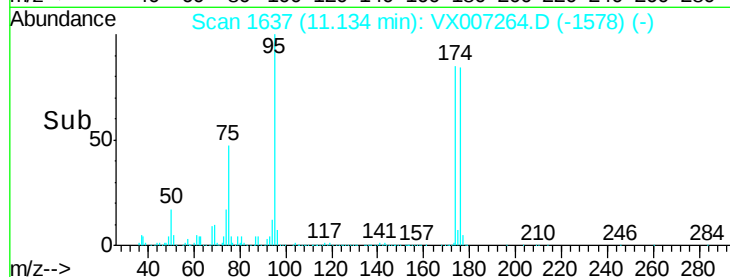
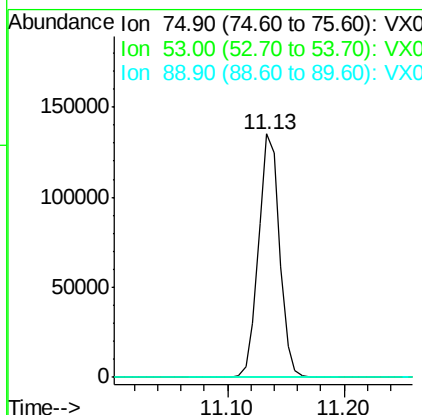
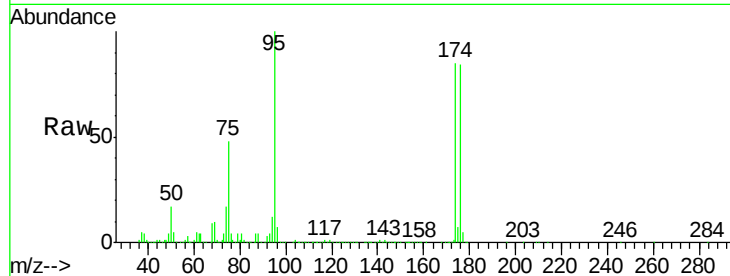




#81
trans-1,4-Dichloro-2-butene
Concen: 65.153 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007264.D
Acq: 28 Jan 2019 16:52

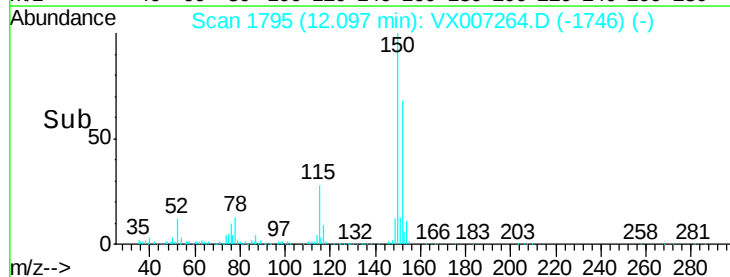
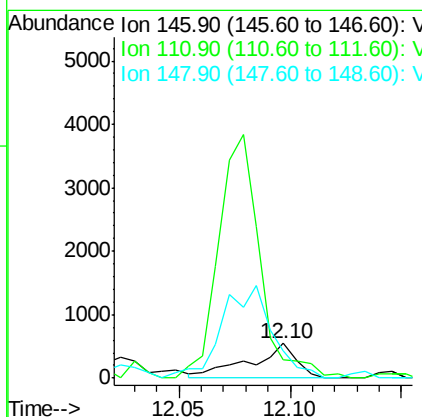
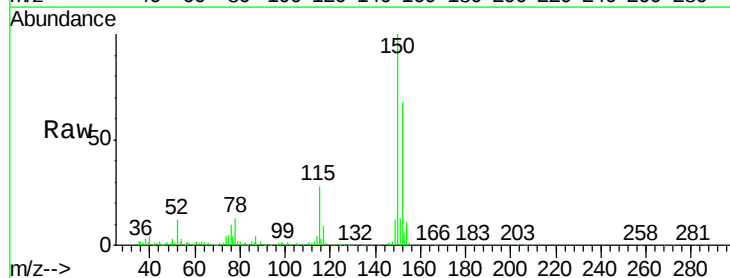
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

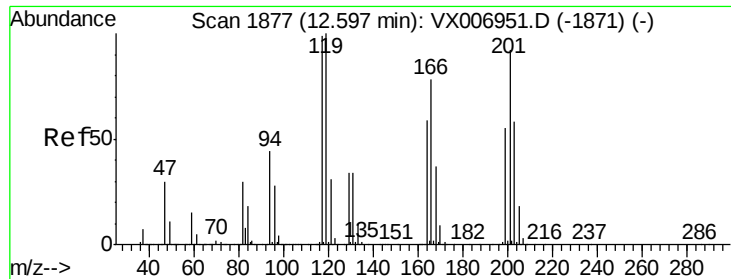
Tot Ion: 75 Resp: 171156
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.1 38.0 57.0#



#88
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX007264.D
Acq: 28 Jan 2019 16:52

Tgt Ion: 146 Resp: 794
Ion Ratio Lower Upper
146 100
111 621.4 18.1 54.1#
148 289.5 31.9 95.9#





#90

Hexachloroethane

Concen: 2.915 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX007264.D

Acq: 28 Jan 2019 16:52

Instrument :

MSVOA_X

ClientSampleId :

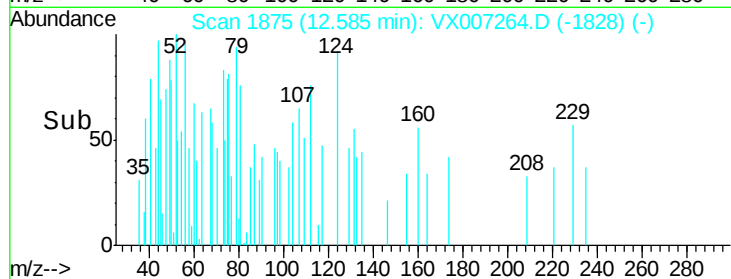
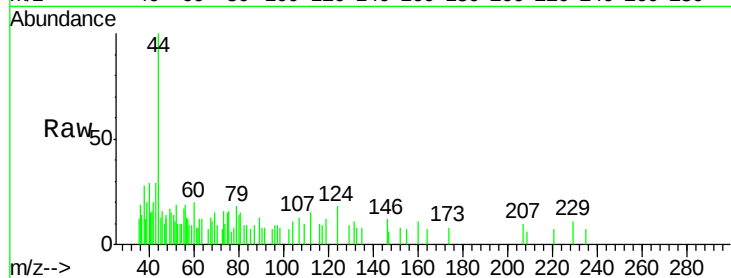
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 27

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

