

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002909.D
 Acq On : 26 Jun 2018 22:24
 Operator : JC/MD
 Sample : J3707-03 50X
 Misc : 5.64g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB488-25-27-180622

Quant Time: Jun 27 04:13:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188655	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	170305	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
35) Dibromofluoromethane	5.51	113	135791	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	8.72	98	497856	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	11.14	95	175459	44.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.64%	

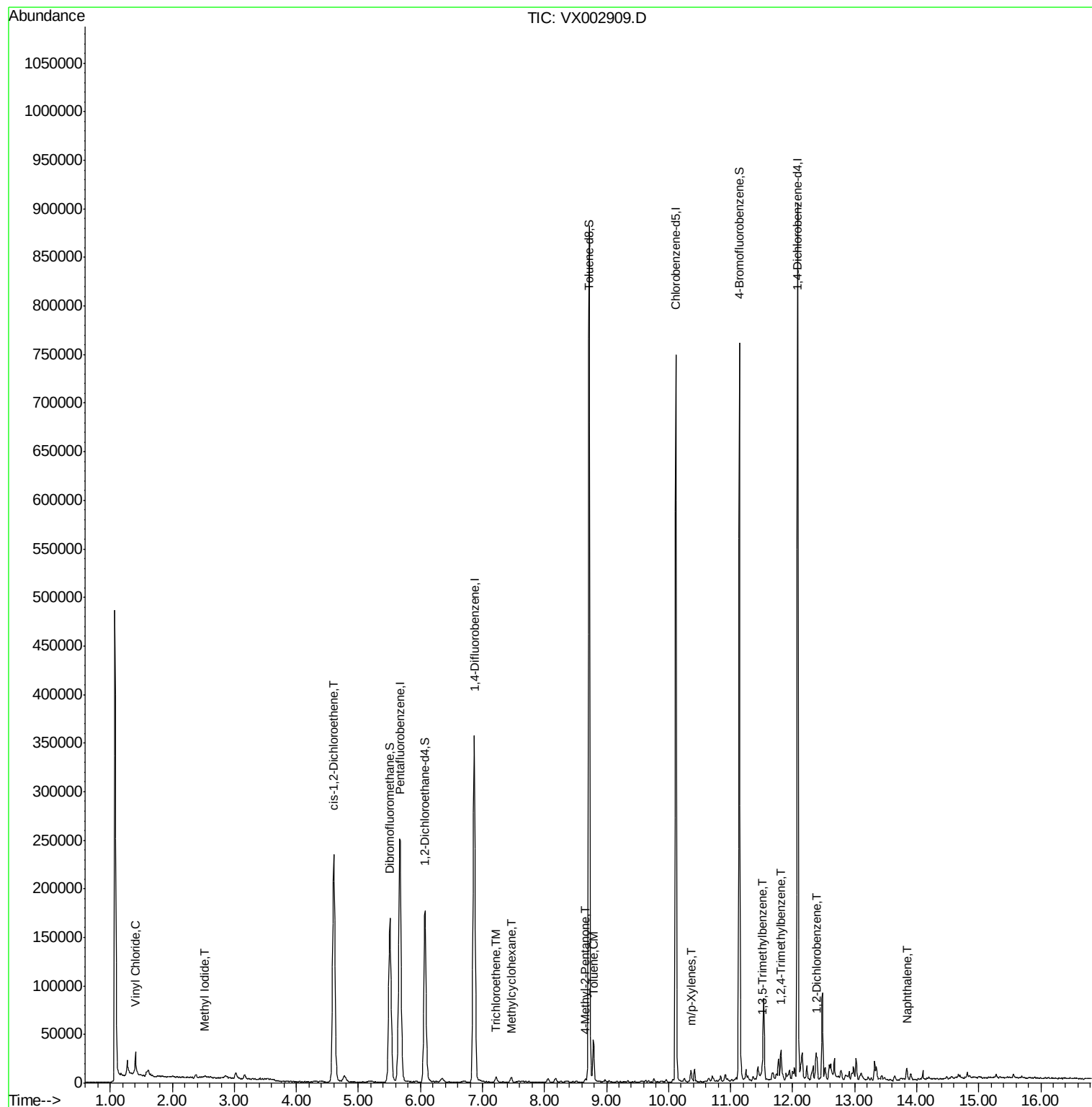
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	12856	4.48	ug/l #	53
10) Methyl Iodide	2.52	142	2342	6.95	ug/l #	98
27) cis-1,2-Dichloroethene	4.60	96	145625	47.66	ug/l	84
39) Methylcyclohexane	7.47	83	1952	0.43	ug/l #	74
44) Trichloroethene	7.21	130	1877	0.56	ug/l	90
51) 4-Methyl-2-Pentanone	8.65	43	1550	0.35	ug/l	92
52) Toluene	8.79	92	15484	2.14	ug/l	97
68) m/p-Xylenes	10.36	106	2551	0.48	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	4949	0.46	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	11359	1.03	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	3503	0.53	ug/l	93
95) Naphthalene	13.84	128	7127	0.55	ug/l	97

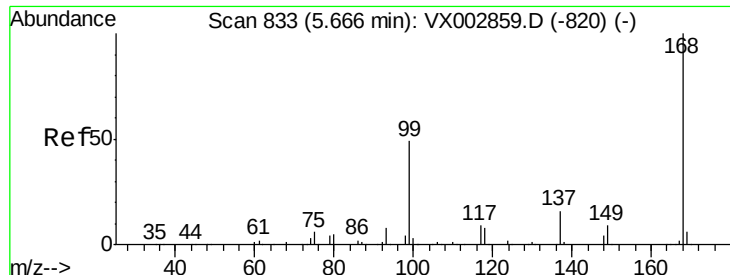
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA_X

ClientSampleId :

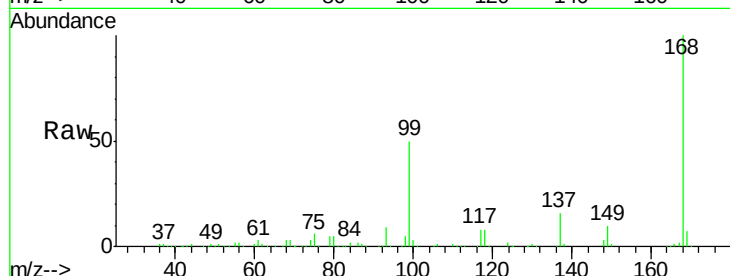
WP021SB488-25-27-180622

Tot Ion:168 Resp: 253715

Ion Ratio Lower Upper

168 100

99 49.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

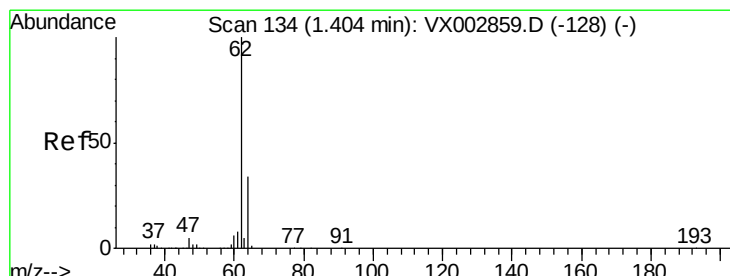
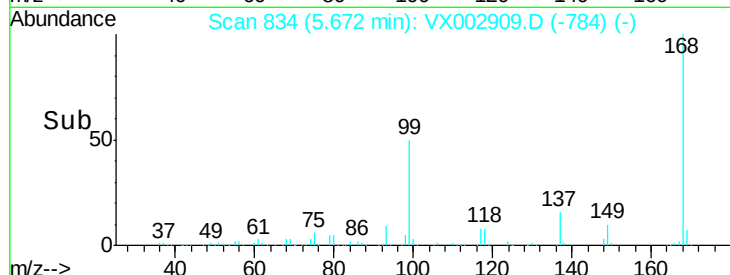
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 4.48 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002909.D

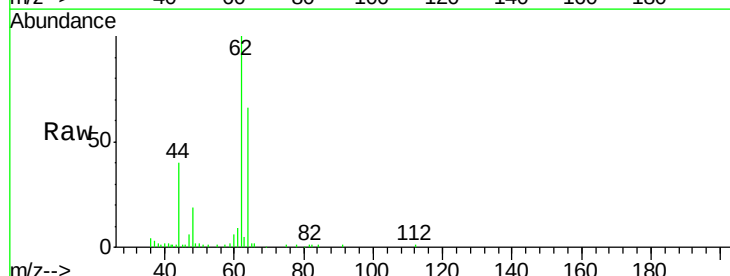
Acq: 26 Jun 2018 22:24

Tgt Ion: 62 Resp: 12856

Ion Ratio Lower Upper

62 100

64 58.2 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

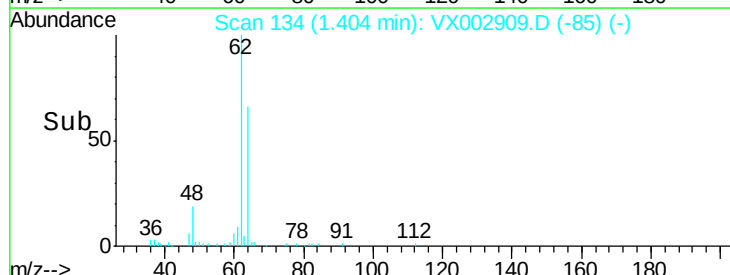
1.40

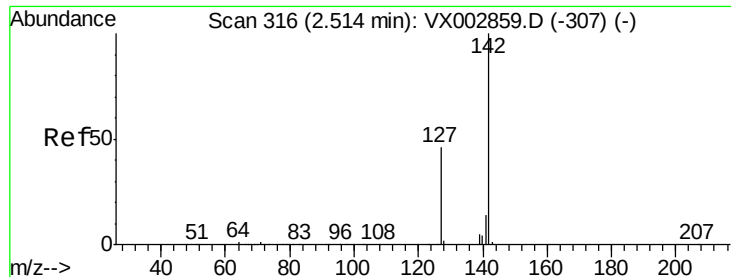
10000

5000

0

Time--> 1.35 1.40 1.45 1.50

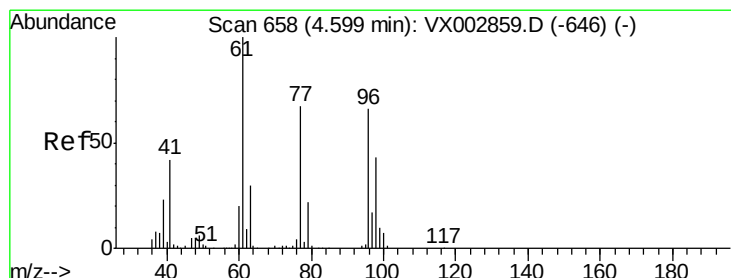
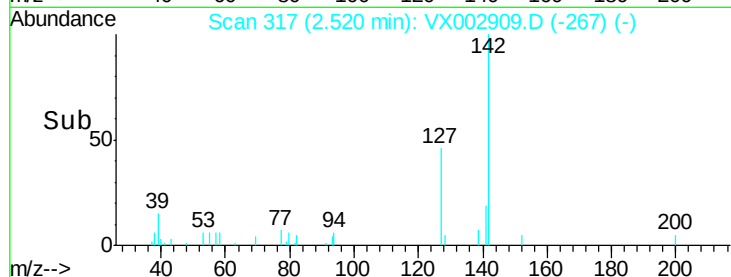
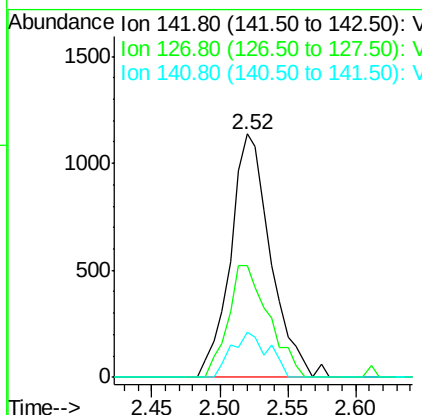
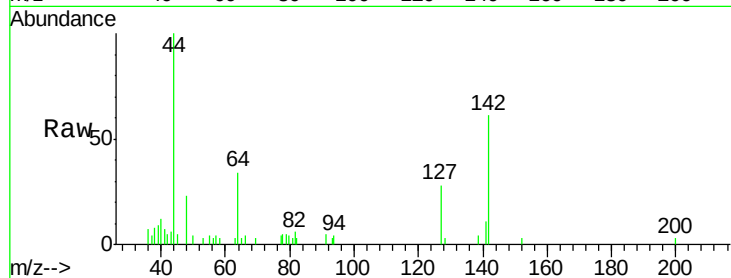




#10
Methvl Iodide
Concen: 6.95 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

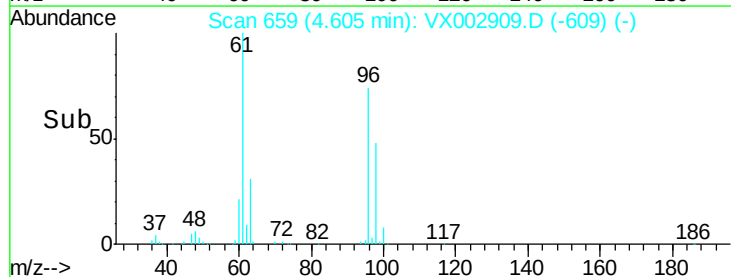
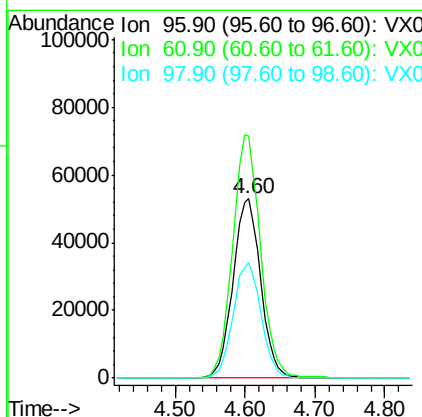
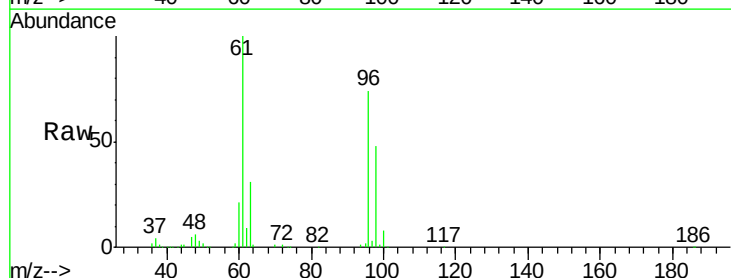
Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-25-27-180622

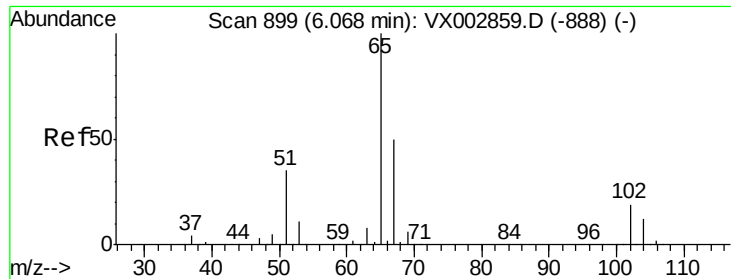
Tot Ion:142 Resp: 2342
Ion Ratio Lower Upper
142 100
127 46.3 36.6 55.0
141 17.0 11.3 16.9#



#27
cis-1,2-Dichloroethene
Concen: 47.66 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

Tgt Ion: 96 Resp: 145625
Ion Ratio Lower Upper
96 100
61 136.1 0.0 330.2
98 64.9 0.0 130.2

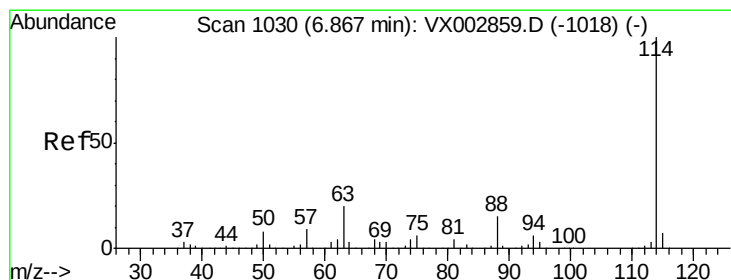
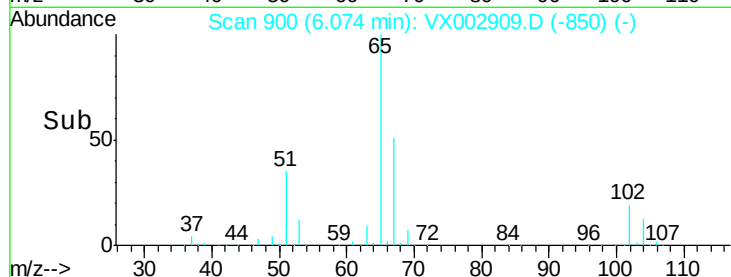
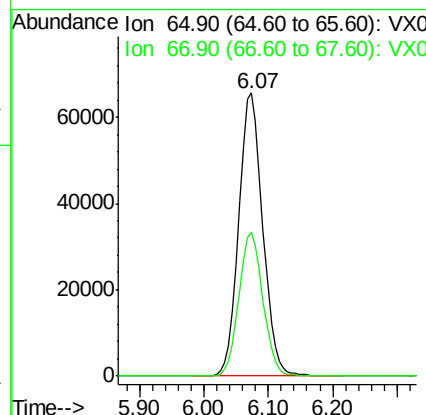
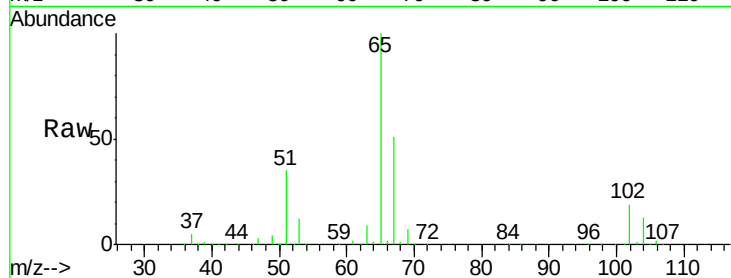




#33
 1,2-Dichloroethane-d4
 Concen: 48.56 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002909.D
 Acq: 26 Jun 2018 22:24

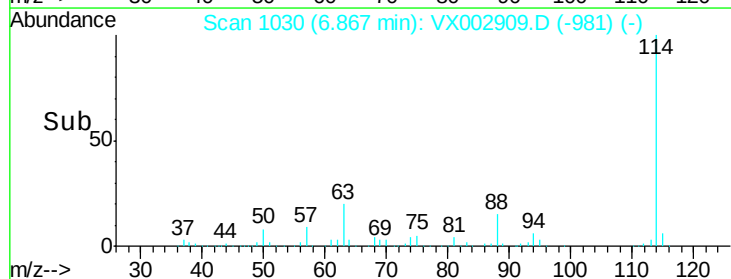
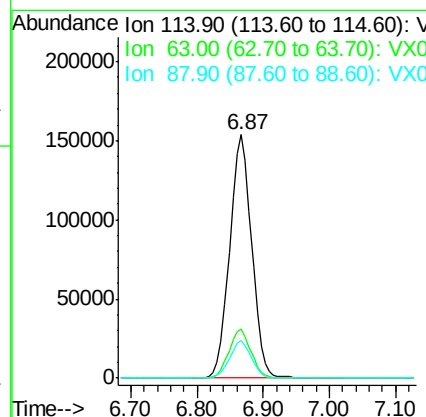
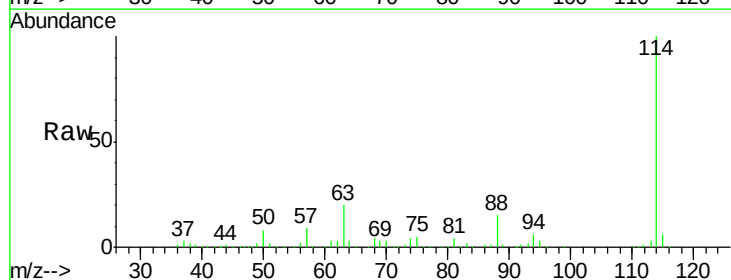
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB488-25-27-180622

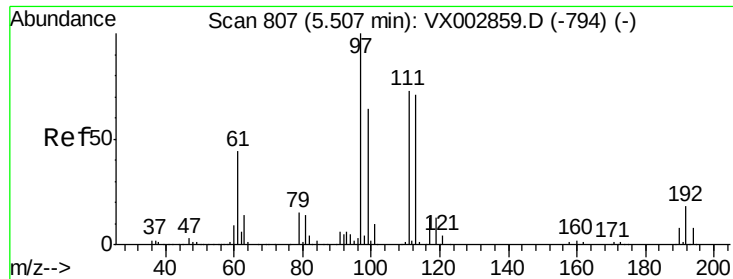
Tot Ion: 65 Resp: 170305
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002909.D
 Acq: 26 Jun 2018 22:24

Tgt Ion: 114 Resp: 354950
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.2 0.0 30.0

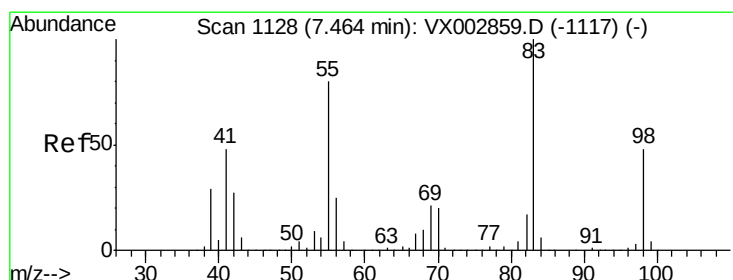
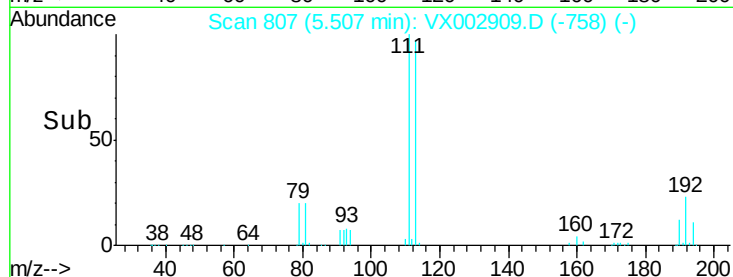
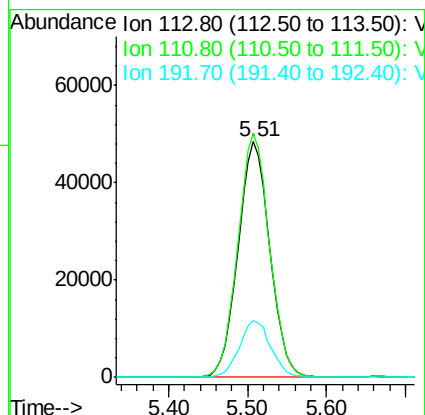
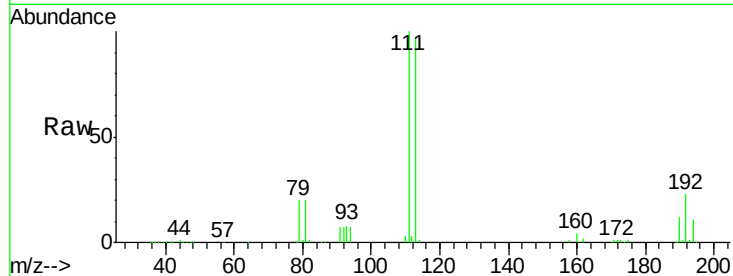




#35
Dibromofluoromethane
Concen: 48.31 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

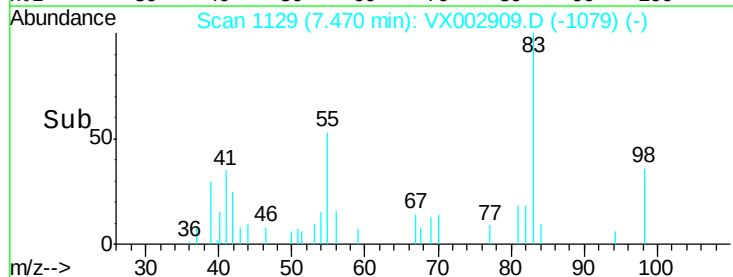
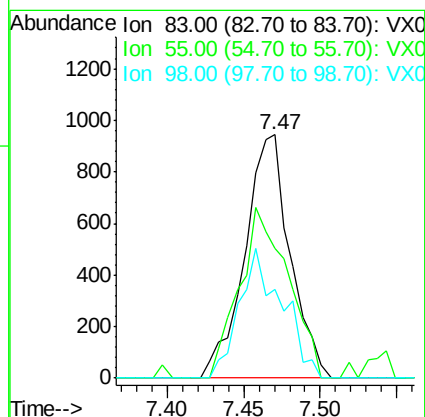
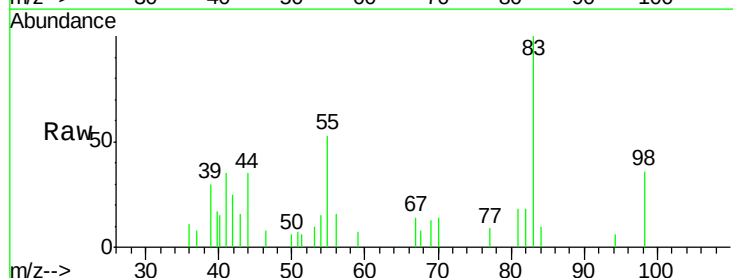
Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-25-27-180622

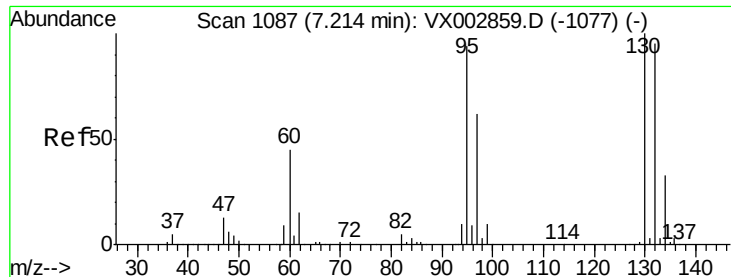
Tot Ion:113 Resp: 135791
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 23.9 19.1 28.7



#39
Methylcyclohexane
Concen: 0.43 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

Tgt Ion: 83 Resp: 1952
Ion Ratio Lower Upper
83 100
55 53.4 65.4 98.0#
98 36.4 37.4 56.0#





#44

Trichloroethene

Concen: 0.56 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA_X

ClientSampleId :

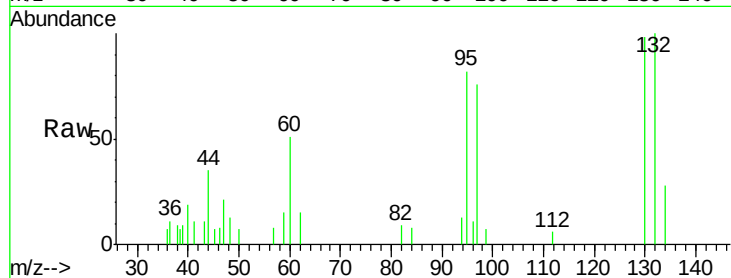
WP021SB488-25-27-180622

Tot Ion:130 Resp: 1877

Ion Ratio Lower Upper

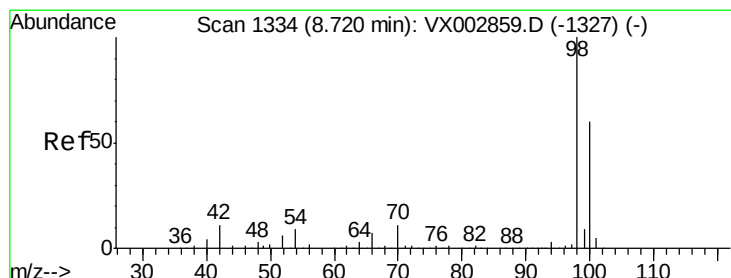
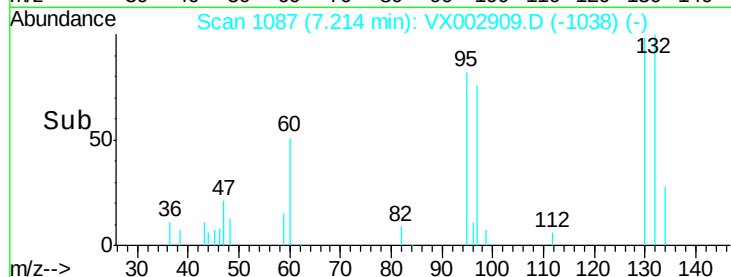
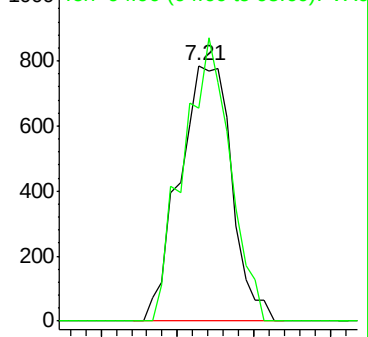
130 100

95 83.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.50 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002909.D

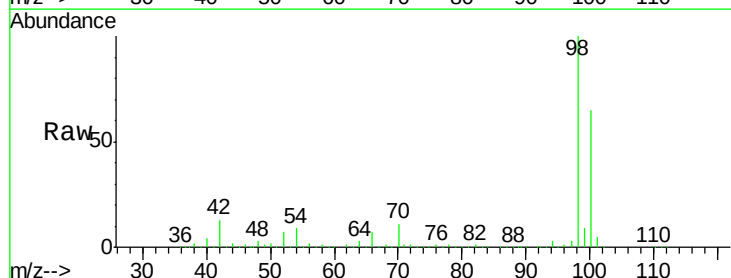
Acq: 26 Jun 2018 22:24

Tgt Ion: 98 Resp: 497856

Ion Ratio Lower Upper

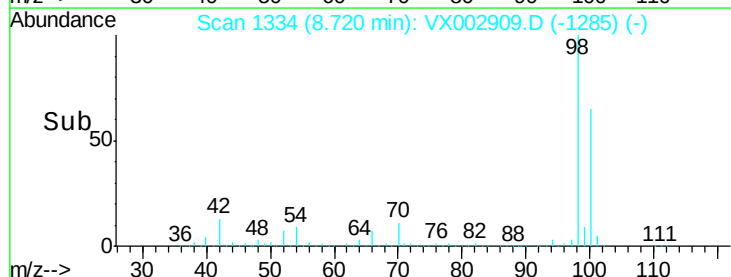
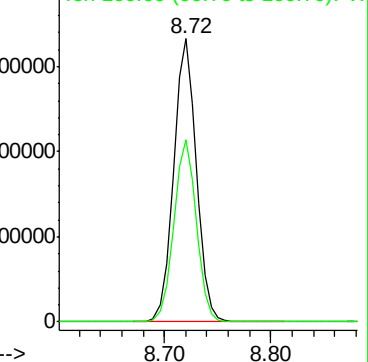
98 100

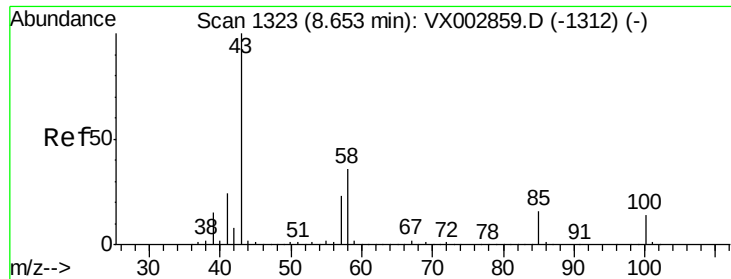
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA_X

ClientSampleId :

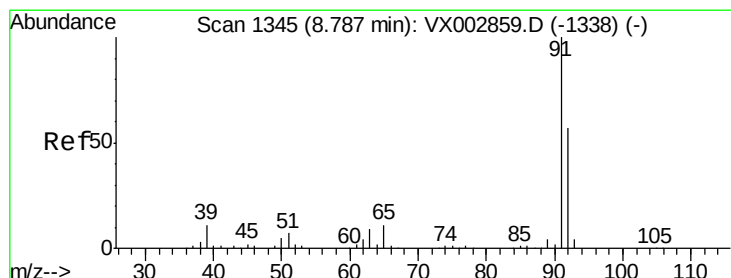
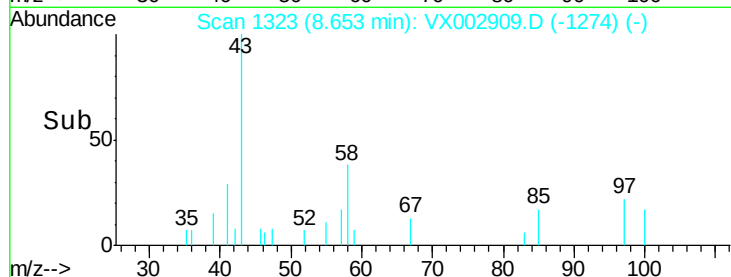
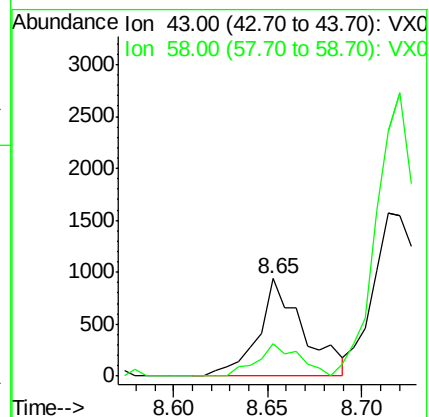
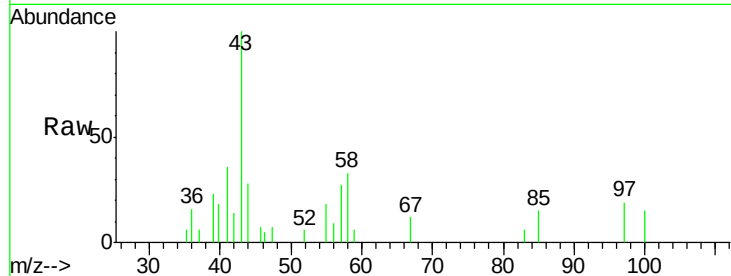
WP021SB488-25-27-180622

Tot Ion: 43 Resp: 1550

Ion Ratio Lower Upper

43 100

58 31.2 28.6 42.8



#52

Toluene

Concen: 2.14 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002909.D

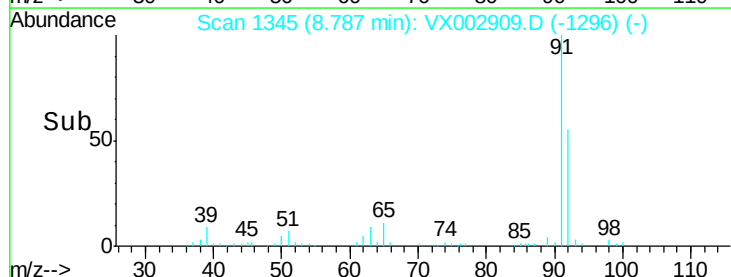
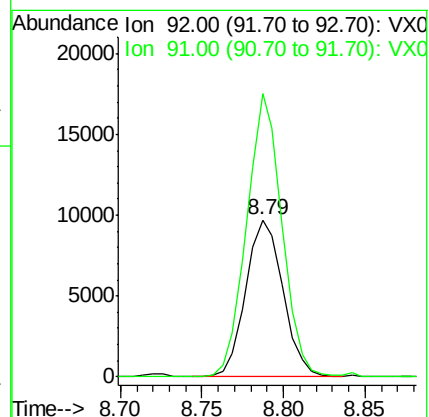
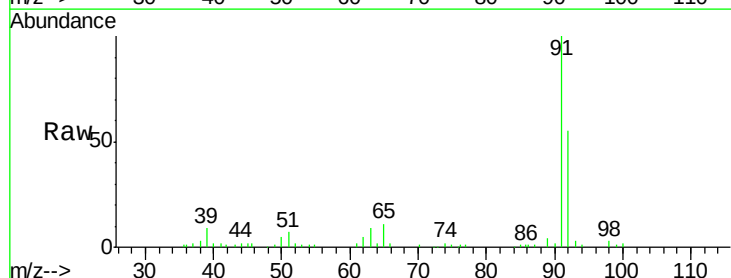
Acq: 26 Jun 2018 22:24

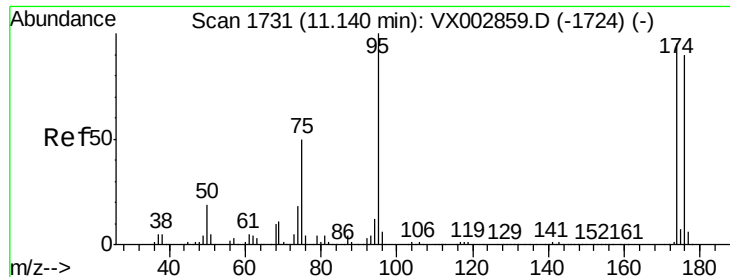
Tgt Ion: 92 Resp: 15484

Ion Ratio Lower Upper

92 100

91 171.3 140.4 210.6

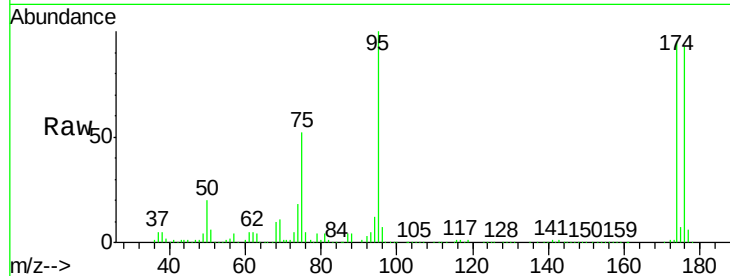




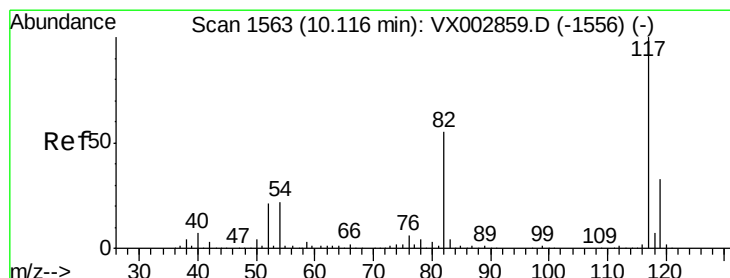
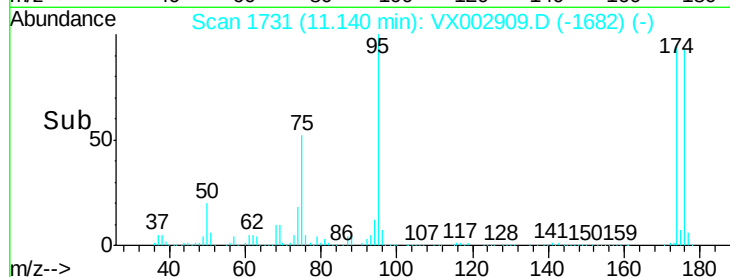
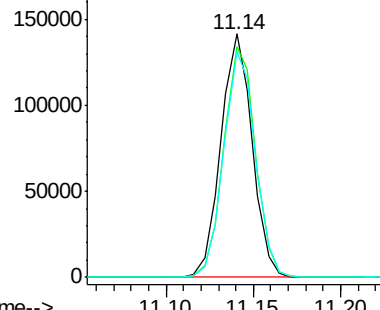
#62
4-Bromofluorobenzene
Concen: 44.32 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-25-27-180622

Tot Ion: 95 Resp: 175459
Ion Ratio Lower Upper
95 100
174 96.5 0.0 187.4
176 93.9 0.0 181.0

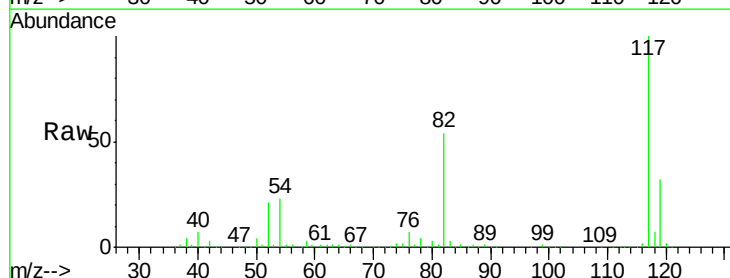


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

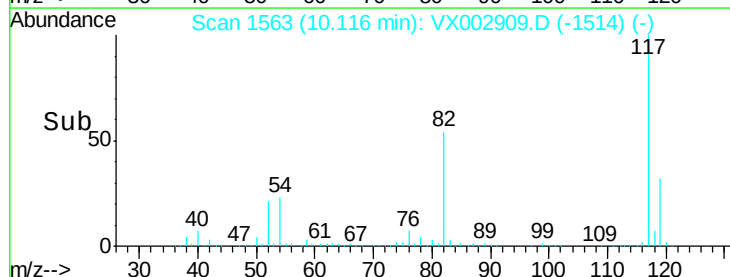
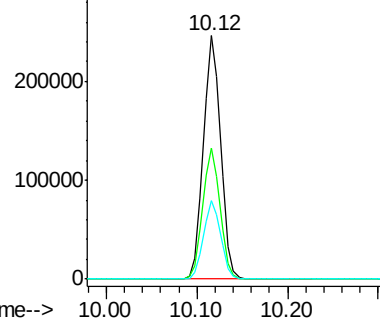


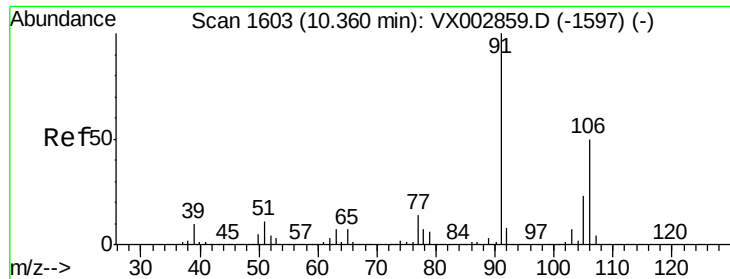
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

Tgt Ion: 117 Resp: 327103
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.3 25.8 38.6



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

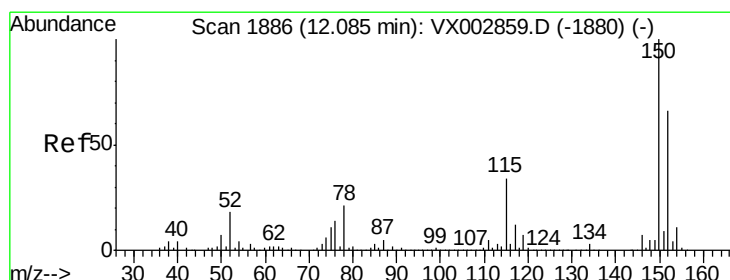
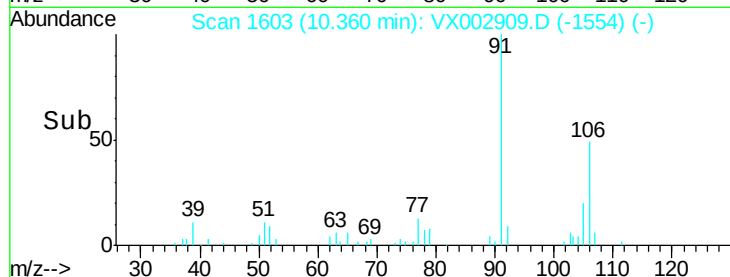
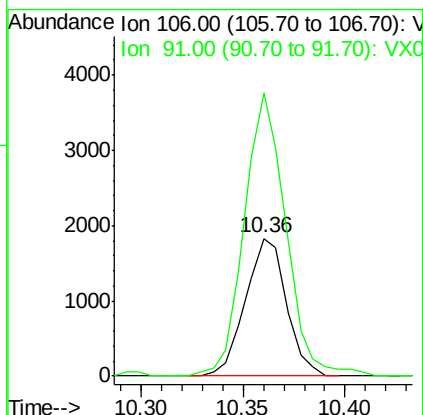
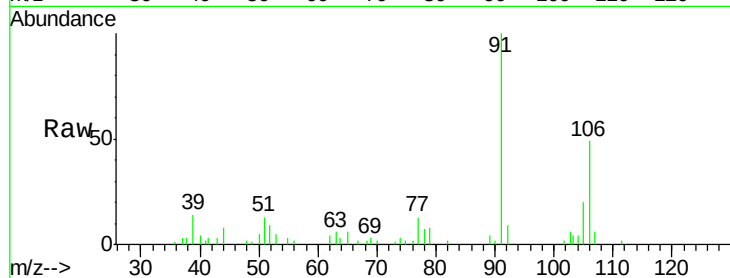




#68
m/p-Xvlenes
Concen: 0.48 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

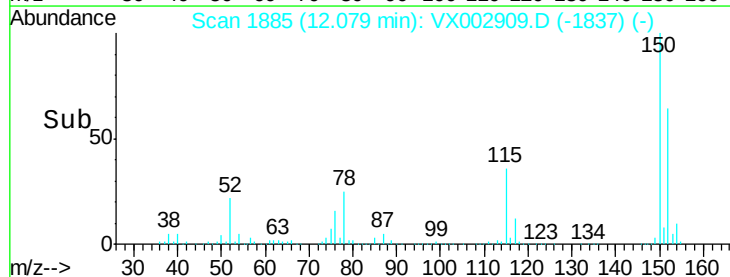
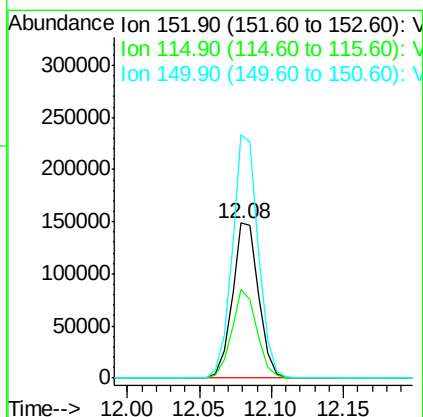
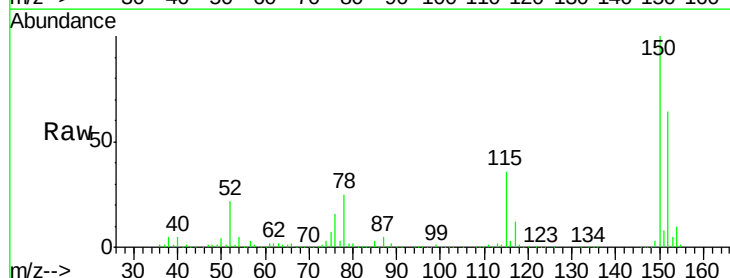
Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-25-27-180622

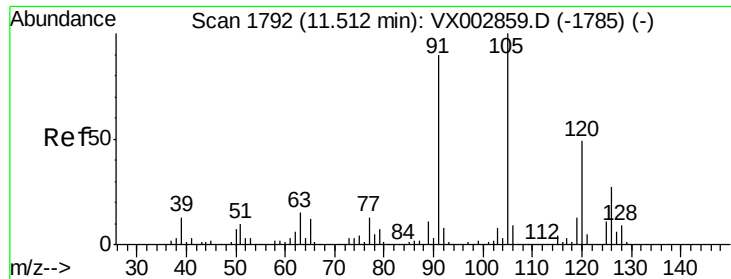
Tot Ion:106 Resp: 2551
Ion Ratio Lower Upper
106 100
91 209.2 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002909.D
Acq: 26 Jun 2018 22:24

Tgt Ion:152 Resp: 188655
Ion Ratio Lower Upper
152 100
115 54.6 40.1 120.2
150 155.9 0.0 347.2





#80

1,3,5-Trimethylbenzene

Concen: 0.46 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA_X

ClientSampleId :

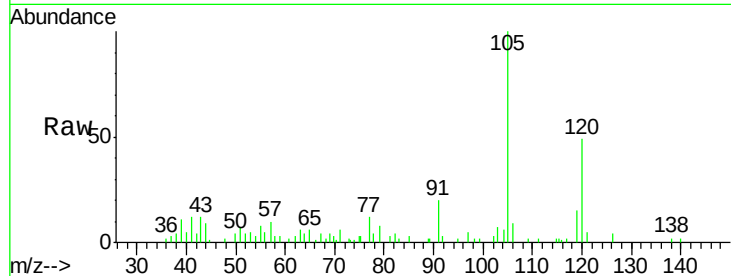
WP021SB488-25-27-180622

Tot Ion:105 Resp: 4949

Ion Ratio Lower Upper

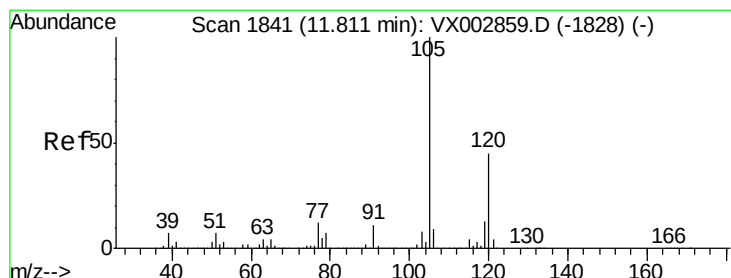
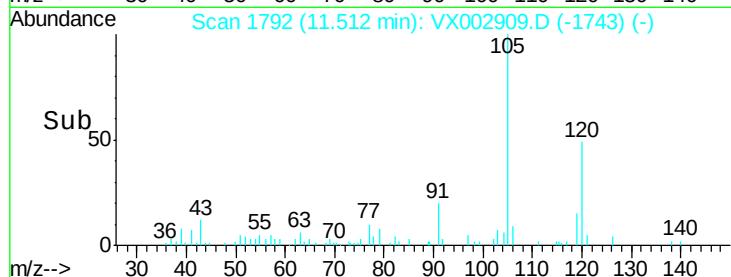
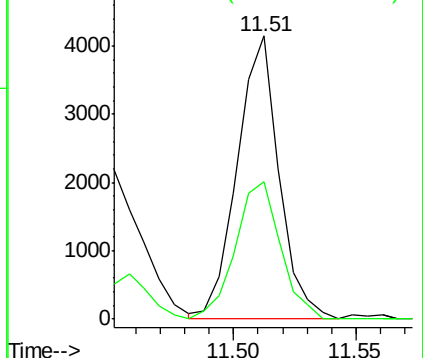
105 100

120 52.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.03 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002909.D

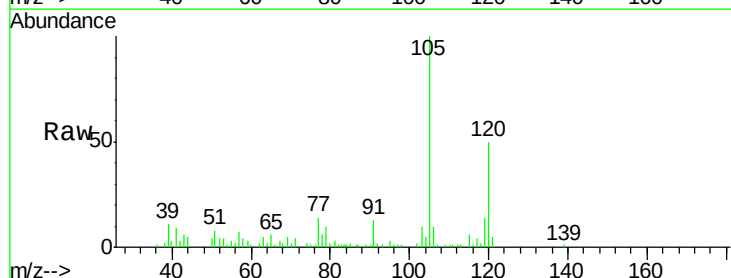
Acq: 26 Jun 2018 22:24

Tgt Ion:105 Resp: 11359

Ion Ratio Lower Upper

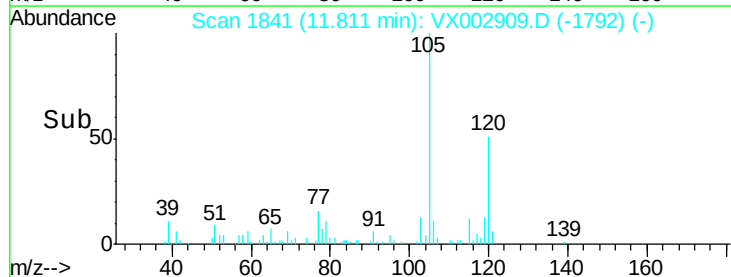
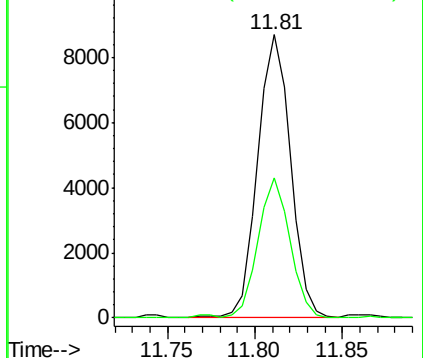
105 100

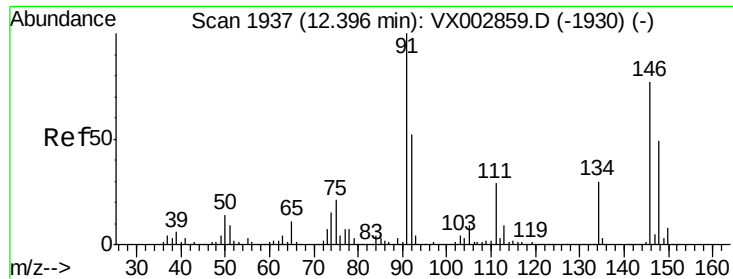
120 49.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#91

1,2-Dichlorobenzene

Concen: 0.53 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

Instrument :

MSVOA_X

ClientSampleId :

WP021SB488-25-27-180622

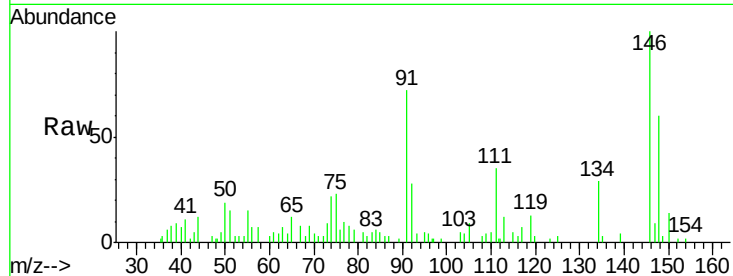
Tot Ion:146 Resp: 3503

Ion Ratio Lower Upper

146 100

111 49.1 19.4 58.1

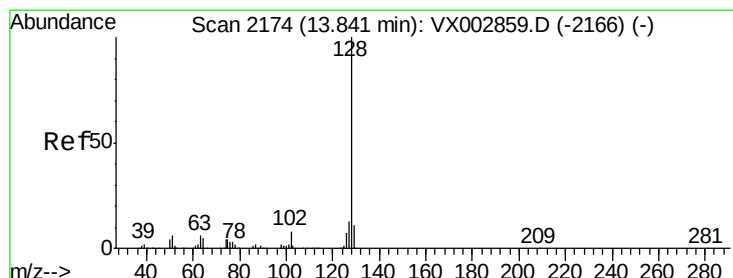
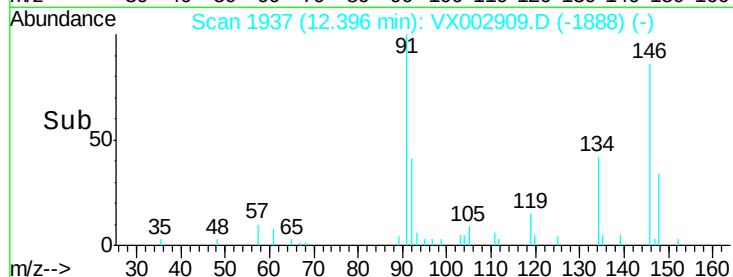
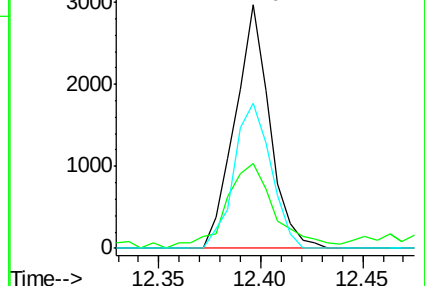
148 63.3 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 0.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002909.D

Acq: 26 Jun 2018 22:24

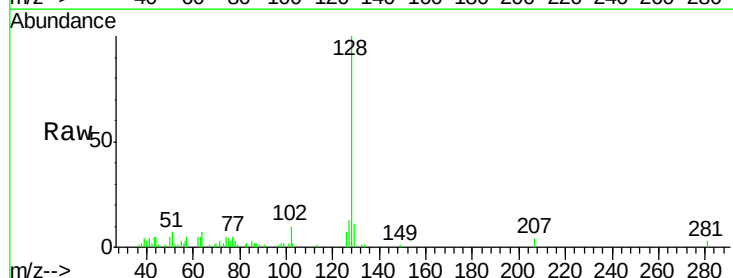
Tgt Ion:128 Resp: 7127

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 12.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

