

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003056.D
 Acq On : 30 Jun 2018 03:49
 Operator : JC/MD
 Sample : J3671-09MEDL 10X
 Misc : 7.10g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB478-25-27-180621MEDL

Quant Time: Jun 30 04:59:30 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	301371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193627	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	5.51	113	156971	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.72	98	593646	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.14	95	220552	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

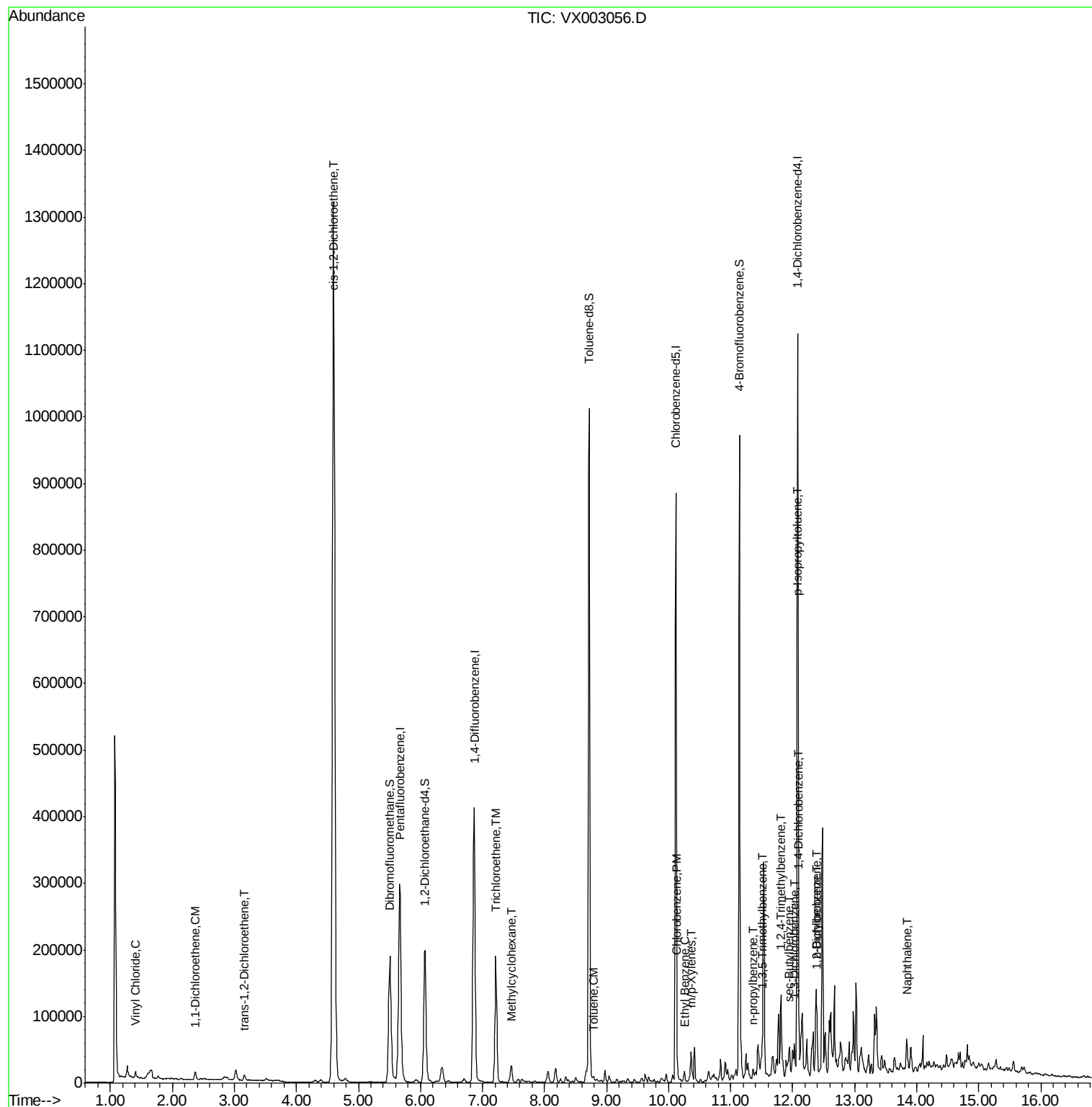
						Qvalue
4) Vinyl Chloride	1.40	62	4635	1.36	ug/l	# 27
12) 1,1-Dichloroethene	2.37	96	3832	1.29	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	2292	0.71	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	846547	233.23	ug/l	81
39) Methylcyclohexane	7.46	83	10262	1.90	ug/l	87
44) Trichloroethene	7.21	130	74545	18.57	ug/l	99
52) Toluene	8.79	92	2289	0.27	ug/l	100
65) Chlorobenzene	10.14	112	3882	0.39	ug/l	99
67) Ethyl Benzene	10.26	91	6830	0.41	ug/l	97
68) m/p-Xylenes	10.36	106	9734	1.52	ug/l	98
78) n-propylbenzene	11.37	91	8157	0.45	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	16870	1.24	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	44519	3.17	ug/l	96
85) sec-Butylbenzene	11.95	105	8070	0.50	ug/l	94
86) p-Isopropyltoluene	12.07	119	6774	0.46	ug/l	90
87) 1,3-Dichlorobenzene	12.03	146	3317	0.40	ug/l	# 87
88) 1,4-Dichlorobenzene	12.10	146	7011	0.81	ug/l	# 62
89) n-Butylbenzene	12.39	91	21217	1.67	ug/l	# 45
91) 1,2-Dichlorobenzene	12.40	146	10069	1.19	ug/l	90
95) Naphthalene	13.84	128	29195	1.78	ug/l	# 94

(#) = 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# 833

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA_X

ClientSampleId :

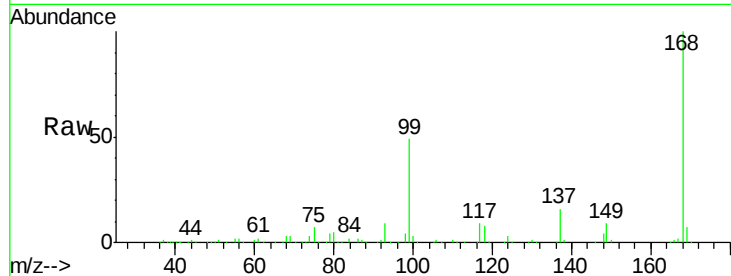
WP021SB478-25-27-180621MEDL

Tot Ion:168 Resp: 301371

Ion Ratio Lower Upper

168 100

99 48.8 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

120000

100000

80000

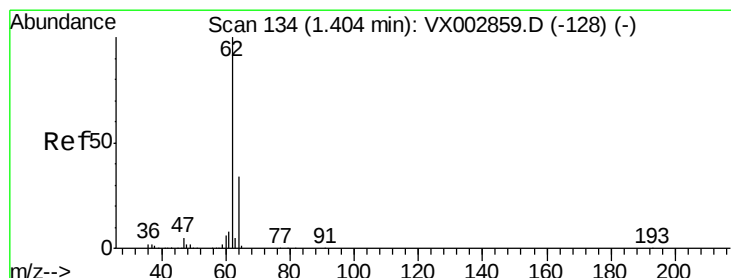
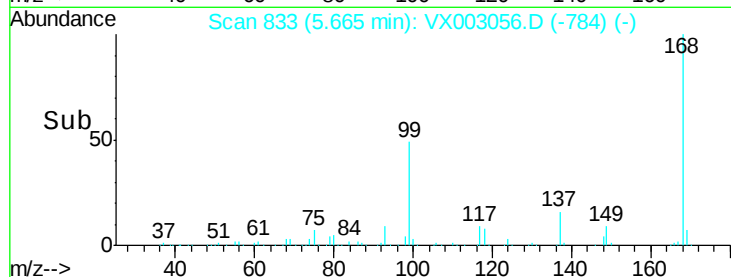
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003056.D

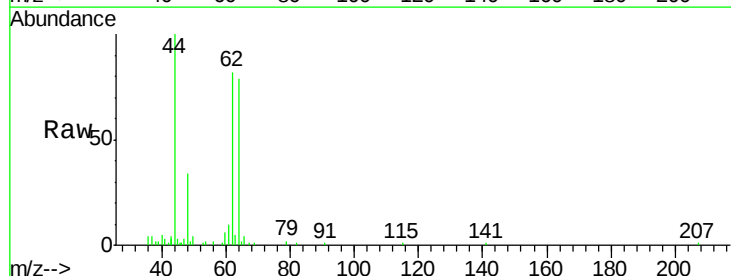
Acq: 30 Jun 2018 03:49

Tgt Ion: 62 Resp: 4635

Ion Ratio Lower Upper

62 100

64 72.2 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

4000

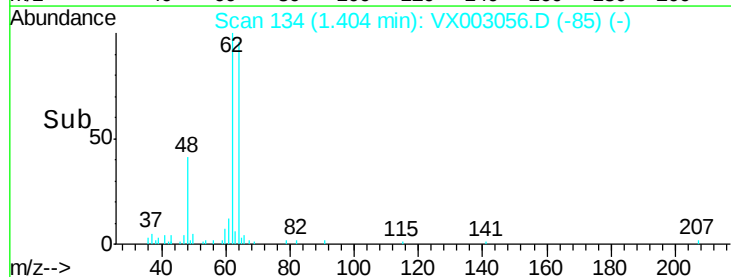
3000

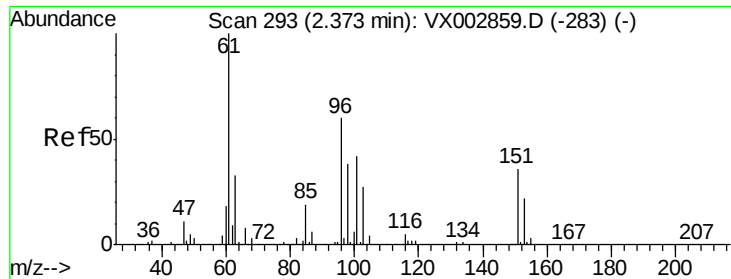
2000

1000

0

Time--> 1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 1.29 ug/l

RT: 2.37 min Scan# 292

Delta R.T. -0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA_X

ClientSampleId :

WP021SB478-25-27-180621MEDL

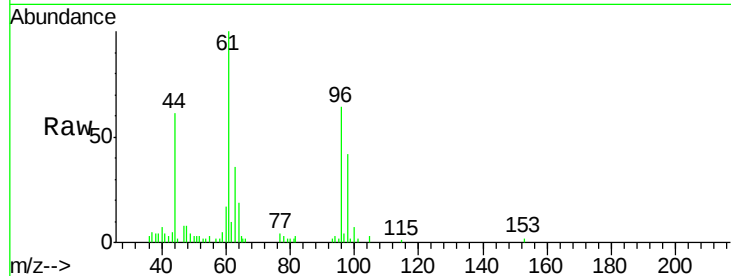
Tot Ion: 96 Resp: 3832

Ion Ratio Lower Upper

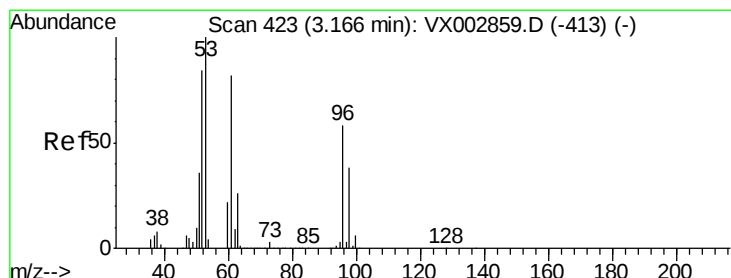
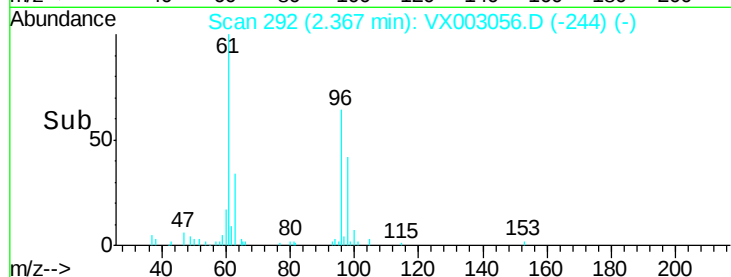
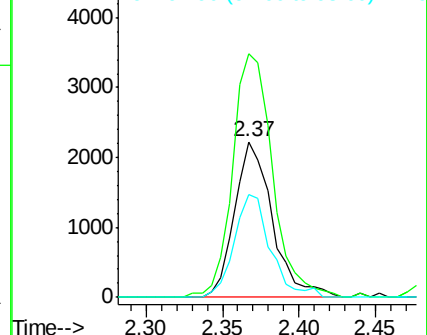
96 100

61 156.3 137.9 206.9

98 65.7 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.71 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

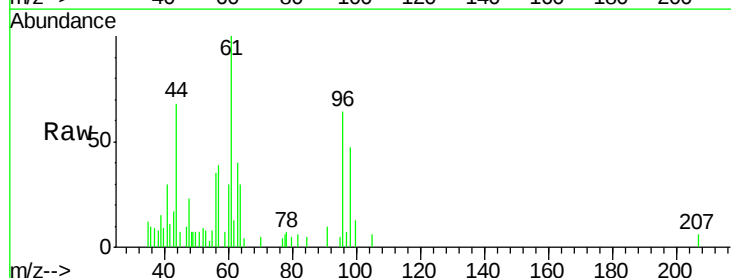
Tgt Ion: 96 Resp: 2292

Ion Ratio Lower Upper

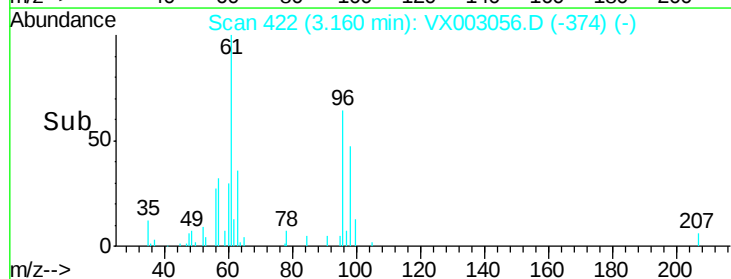
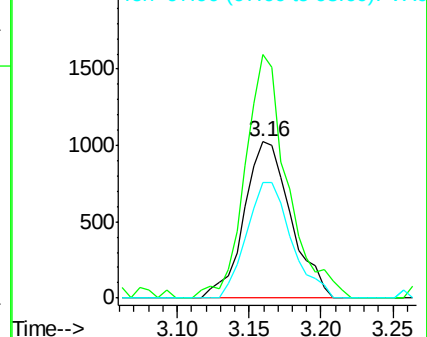
96 100

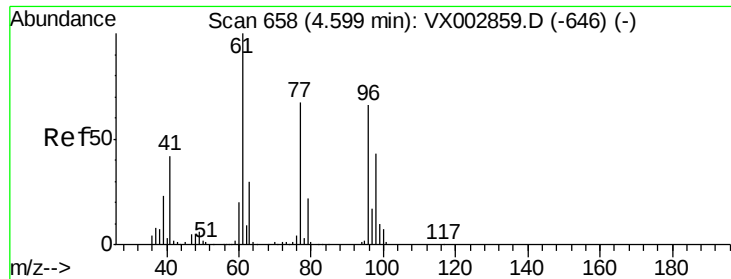
61 155.6 117.0 175.4

98 73.8 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 233.23 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA_X

ClientSampleId :

WP021SB478-25-27-180621MEDL

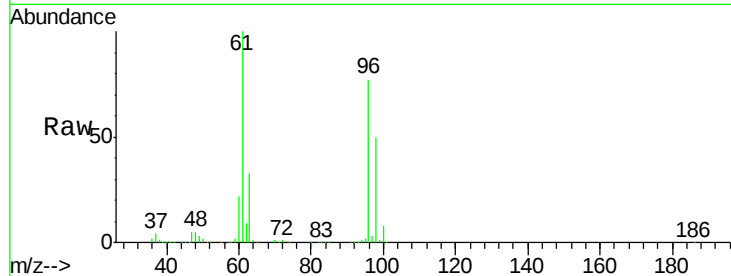
Tot Ion: 96 Resp: 846547

Ion Ratio Lower Upper

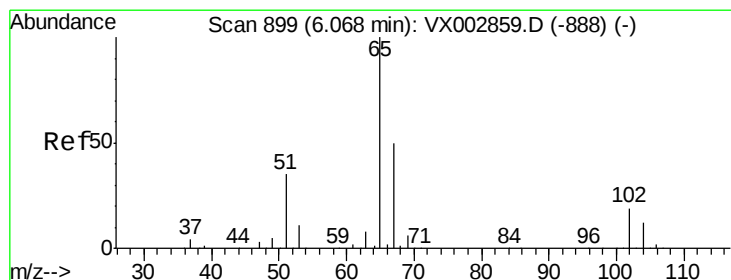
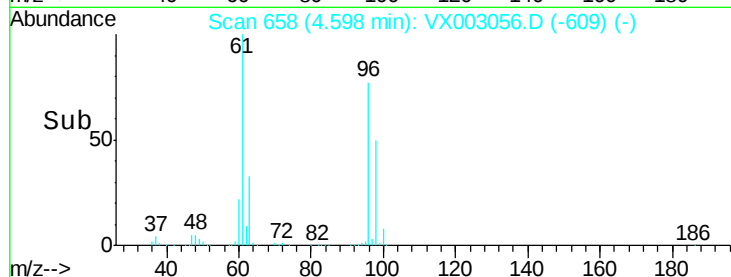
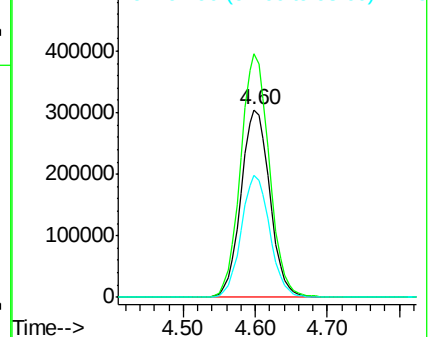
96 100

61 129.5 0.0 330.2

98 64.5 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.48 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003056.D

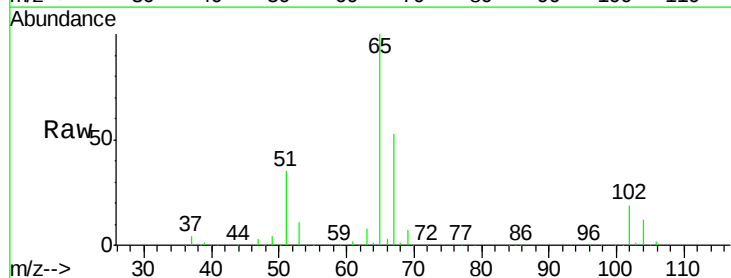
Acq: 30 Jun 2018 03:49

Tgt Ion: 65 Resp: 193627

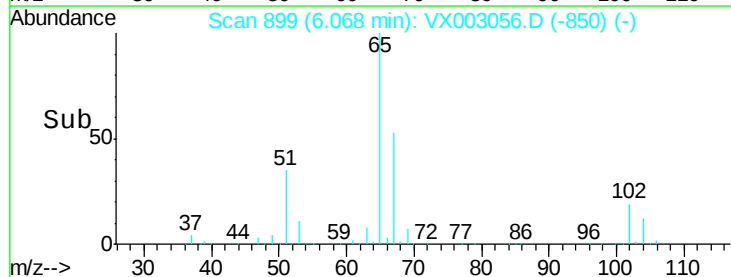
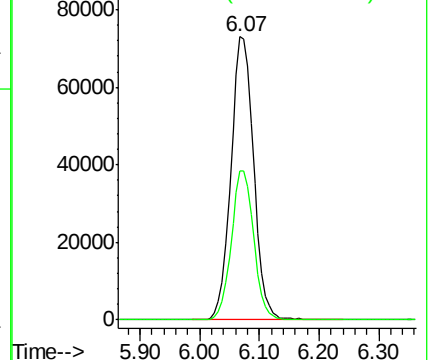
Ion Ratio Lower Upper

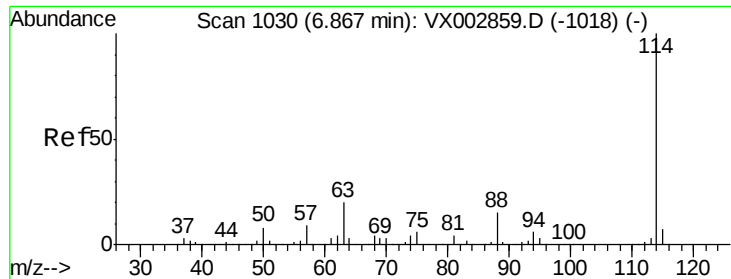
65 100

67 51.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

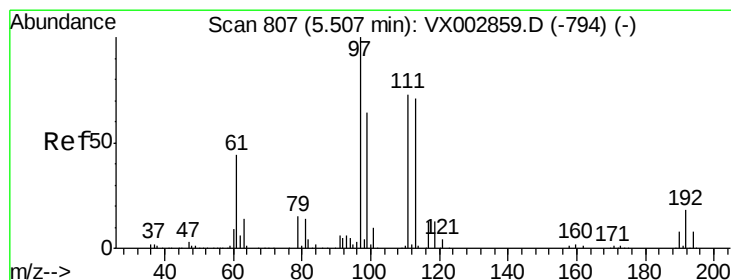
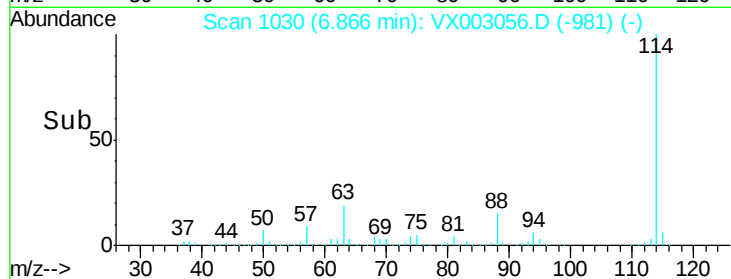
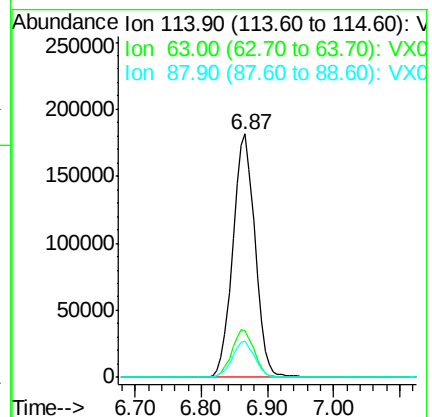
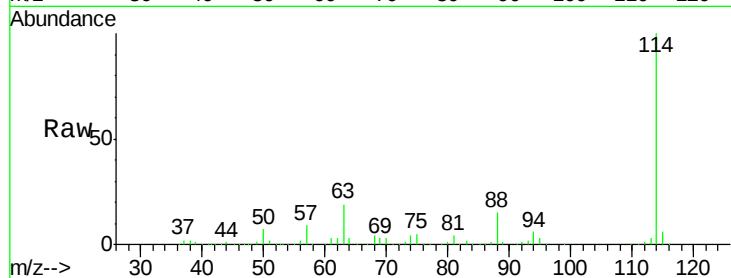




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

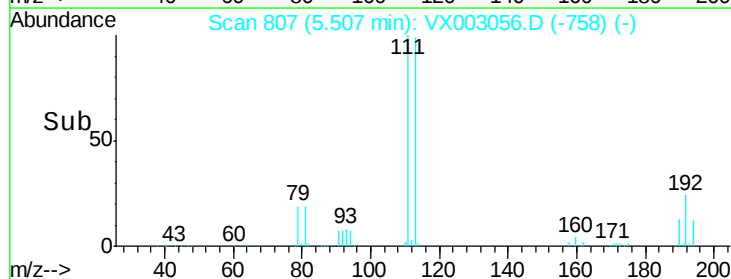
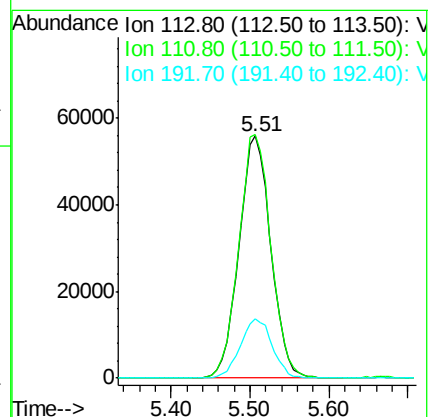
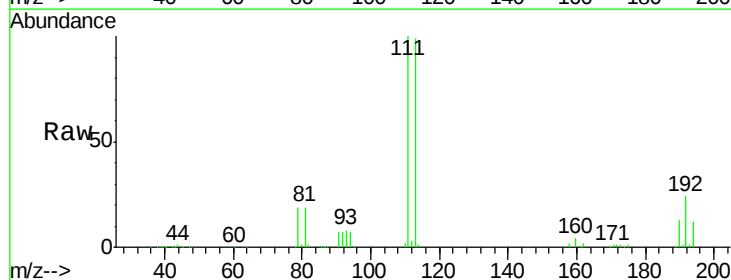
Instrument :
MSVOA_X
ClientSampleId :
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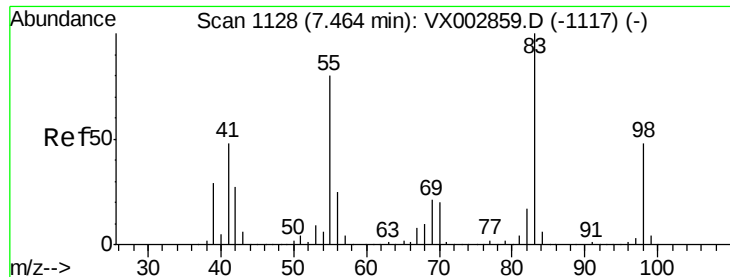
Tot Ion:114 Resp: 422593
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 46.91 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Tgt Ion:113 Resp: 156971
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 24.7 19.1 28.7

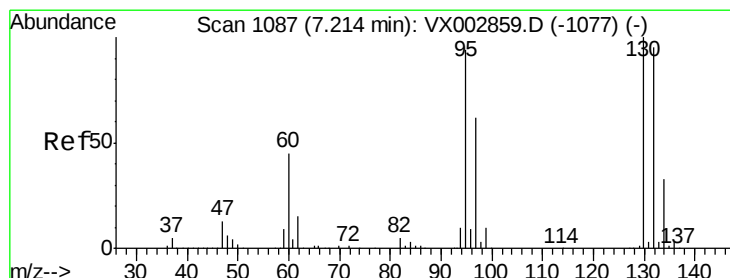
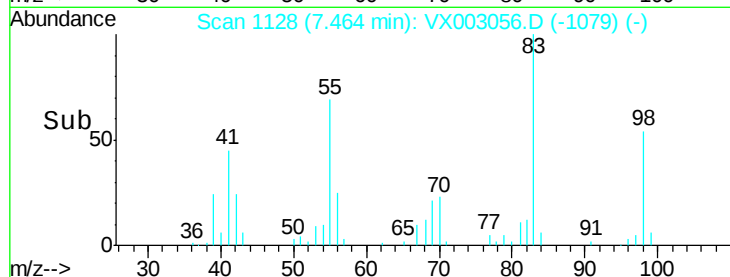
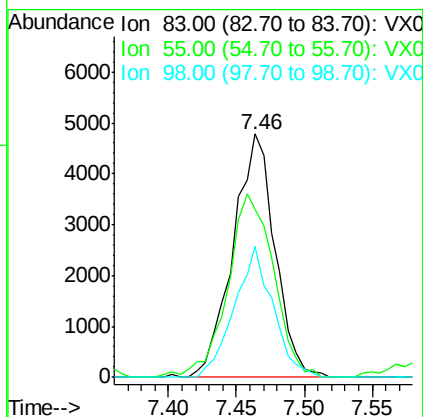
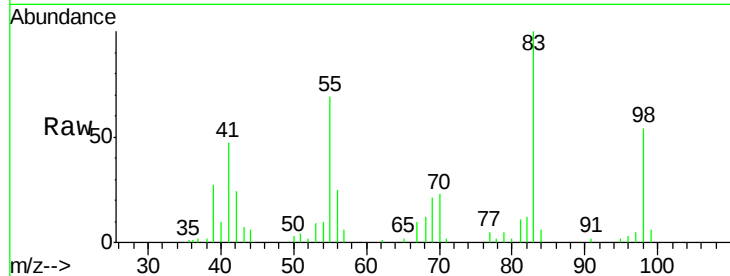




#39
Methvlcvclohexane
Concen: 1.90 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

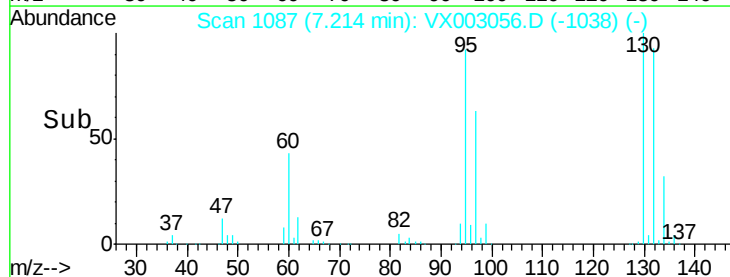
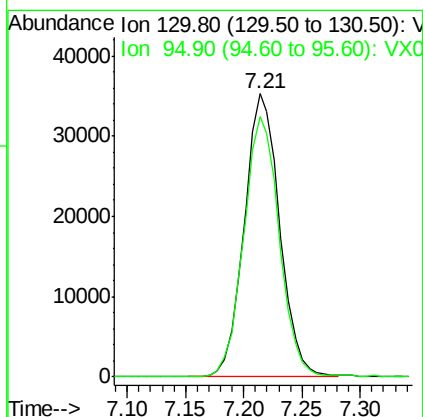
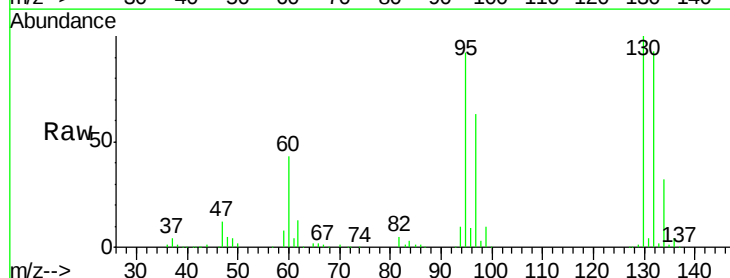
Instrument :
MSVOA_X
ClientSampleId :
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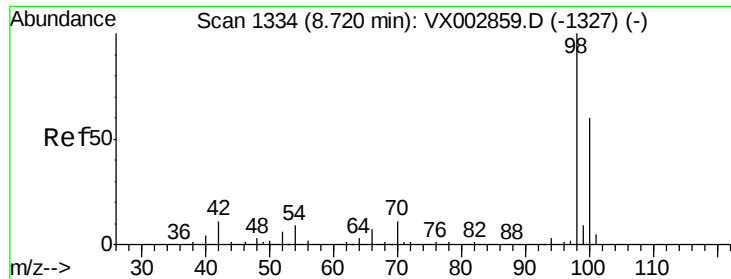
Tot Ion: 83 Resp: 10262
Ion Ratio Lower Upper
83 100
55 68.9 65.4 98.0
98 53.8 37.4 56.0



#44
Trichloroethene
Concen: 18.57 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Tgt Ion:130 Resp: 74545
Ion Ratio Lower Upper
130 100
95 92.1 0.0 185.4

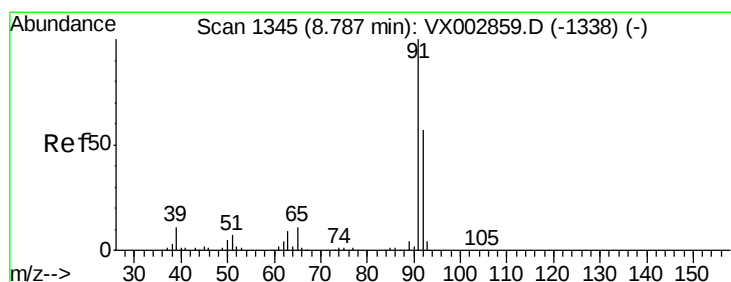
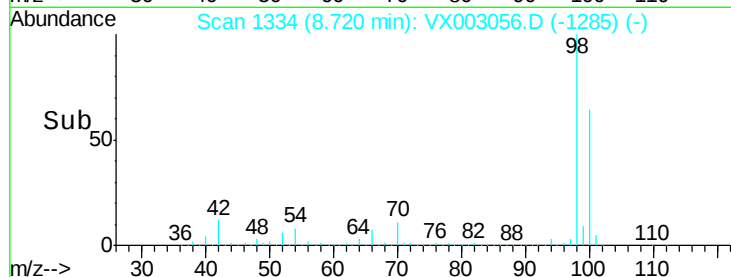
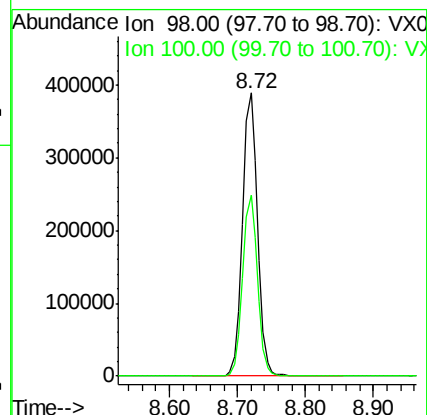
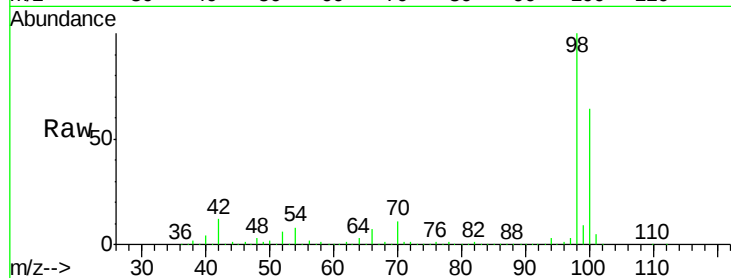




#50
Toluene-d8
Concen: 48.58 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

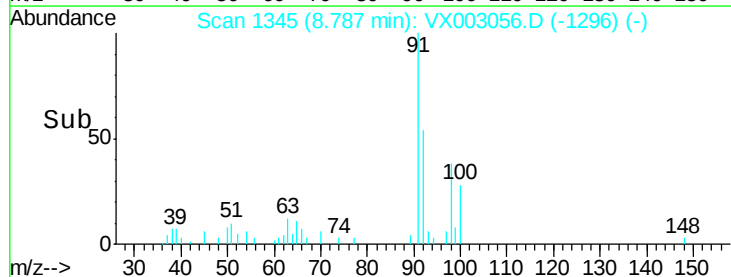
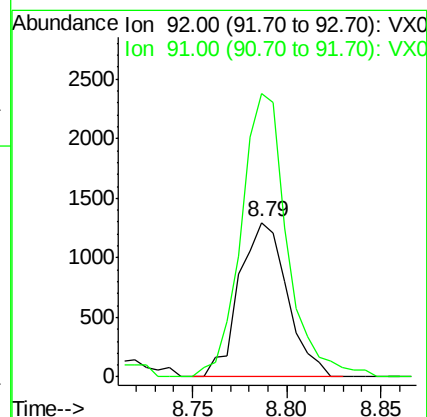
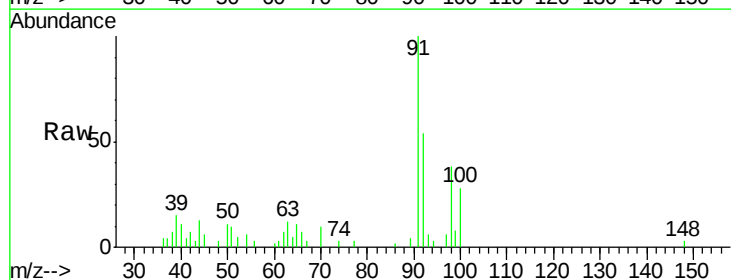
Instrument :
MSVOA_X
ClientSampleId :
WP021SB478-25-27-180621MEDL

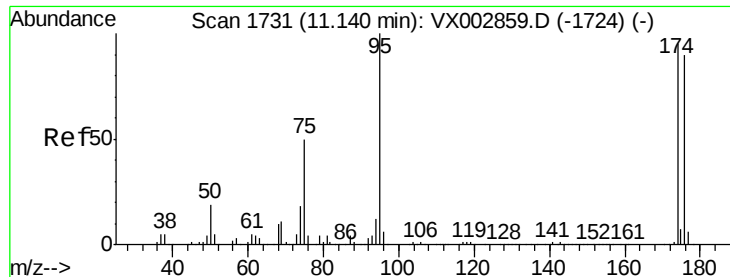
Tot Ion: 98 Resp: 593646
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#52
Toluene
Concen: 0.27 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Tgt Ion: 92 Resp: 2289
Ion Ratio Lower Upper
92 100
91 176.2 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 46.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA_X

ClientSampleId :

WP021SB478-25-27-180621MEDL

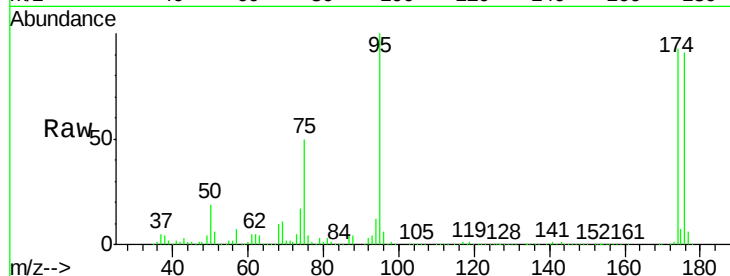
Tot Ion: 95 Resp: 220552

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

176 94.7 0.0 181.0

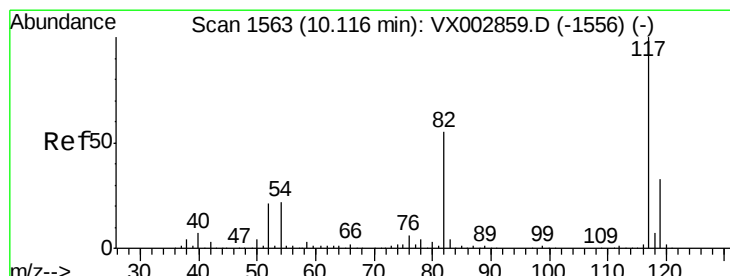
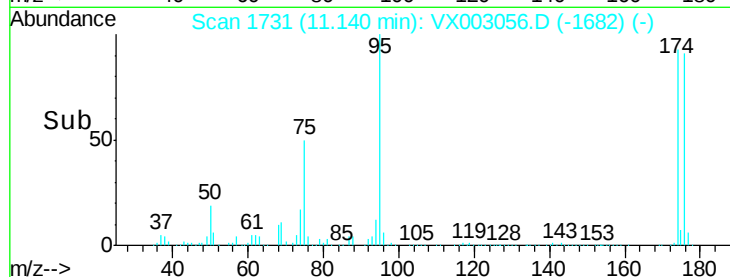


Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

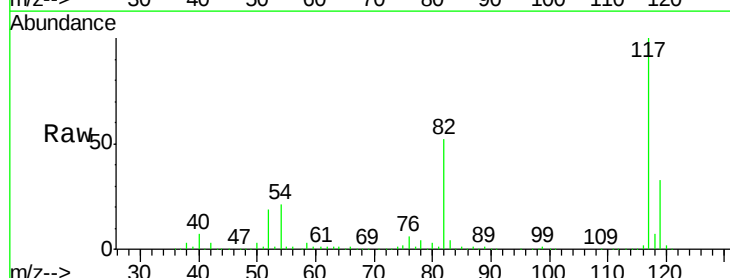
Tgt Ion: 117 Resp: 396291

Ion Ratio Lower Upper

117 100

82 52.2 45.0 67.4

119 32.6 25.8 38.6

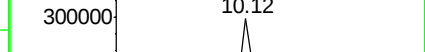
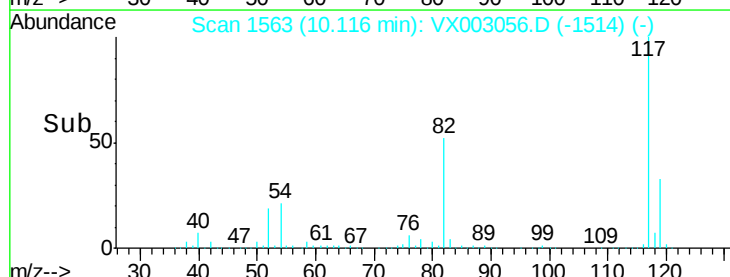


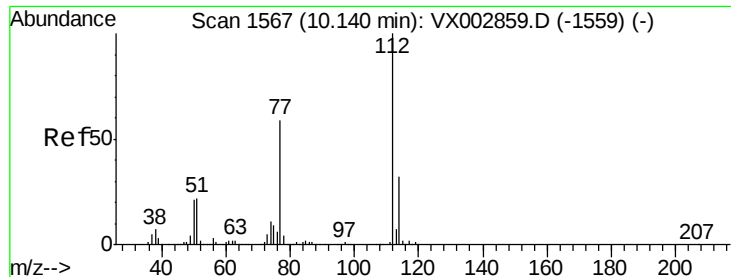
Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

Time-->

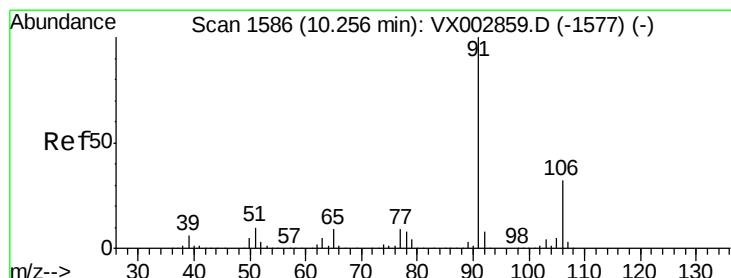
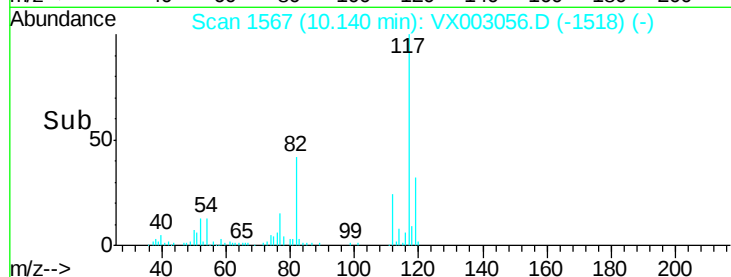
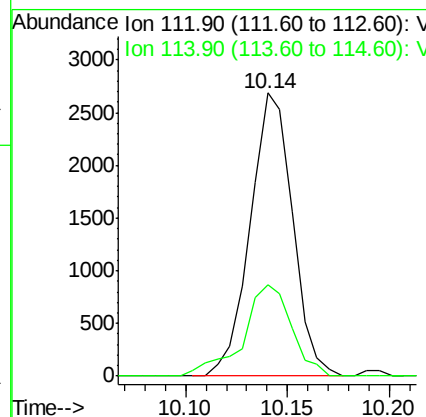
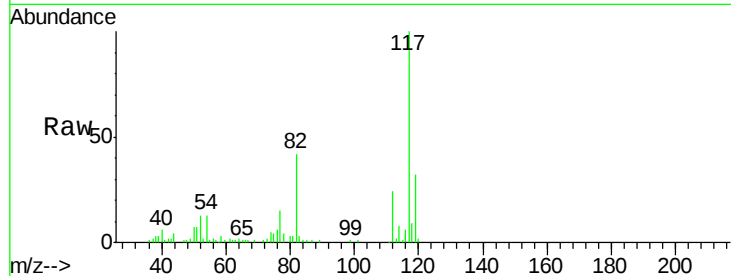




#65
Chlorobenzene
Concen: 0.39 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

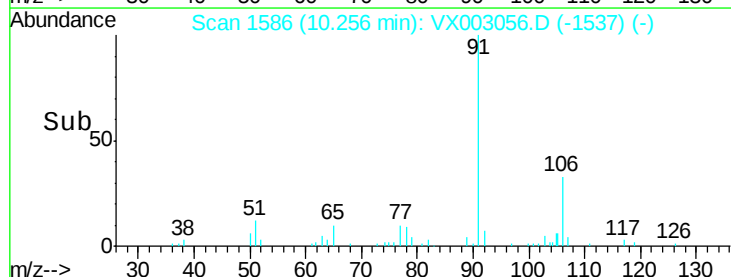
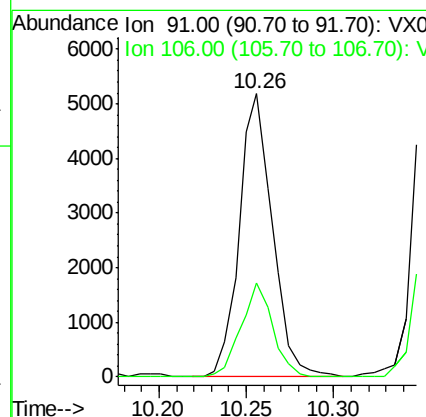
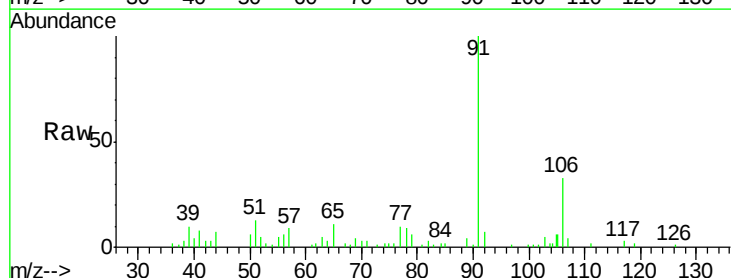
Instrument :
MSVOA_X
ClientSampleId :
WP021SB478-25-27-180621MEDL

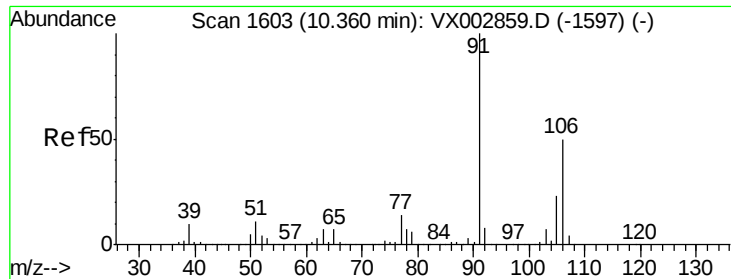
Tot Ion:112 Resp: 3882
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#67
Ethyl Benzene
Concen: 0.41 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Tgt Ion: 91 Resp: 6830
Ion Ratio Lower Upper
91 100
106 33.4 25.5 38.3

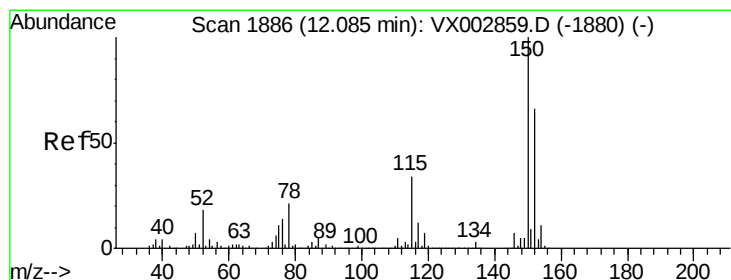
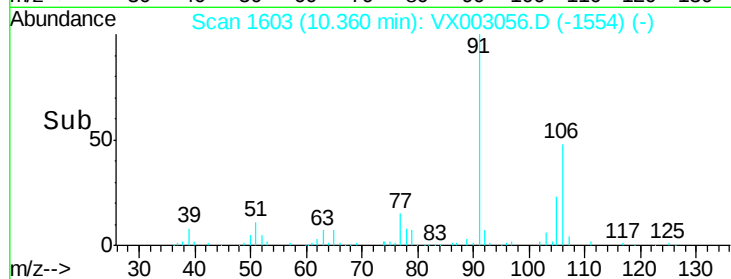
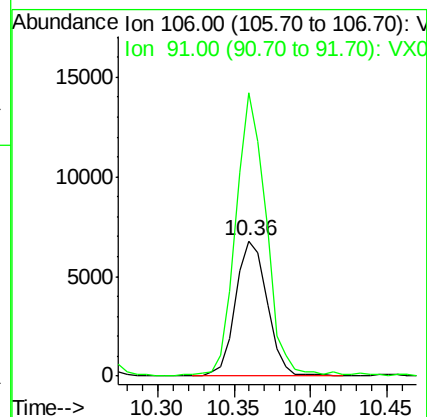
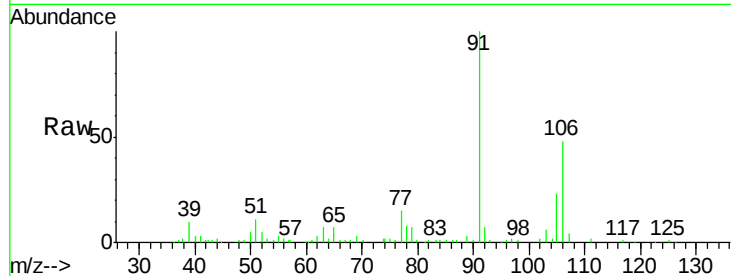




#68
m/p-Xvlenes
Concen: 1.52 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

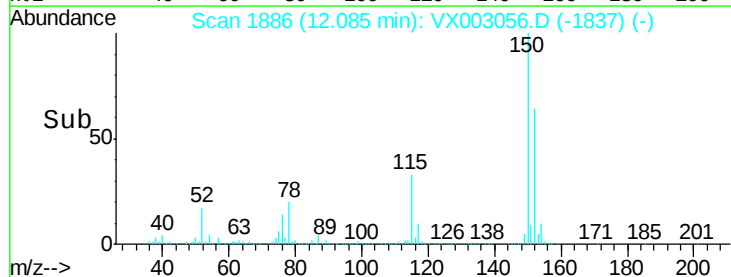
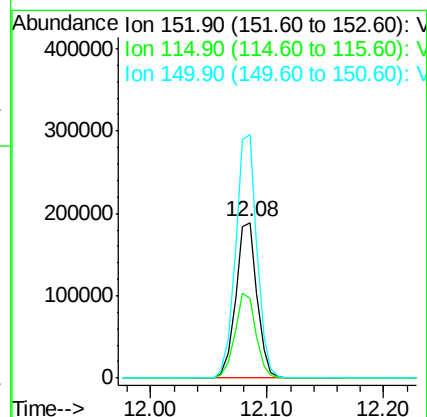
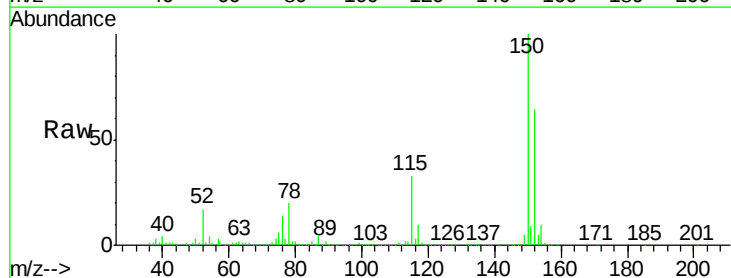
Instrument :
MSVOA_X
ClientSampleId :
WP021SB478-25-27-180621MEDL

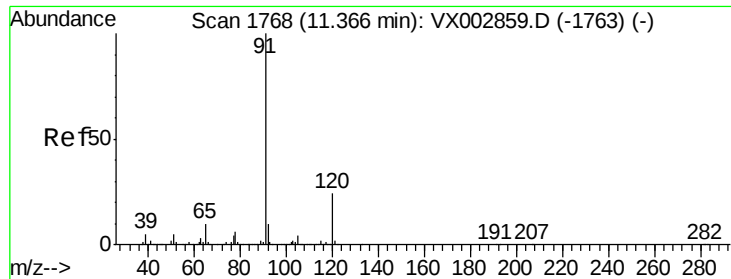
Tot Ion:106 Resp: 9734
Ion Ratio Lower Upper
106 100
91 201.5 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Tgt Ion:152 Resp: 239245
Ion Ratio Lower Upper
152 100
115 53.6 40.1 120.2
150 157.2 0.0 347.2





#78

n-propylbenzene

Concen: 0.45 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA_X

ClientSampleId :

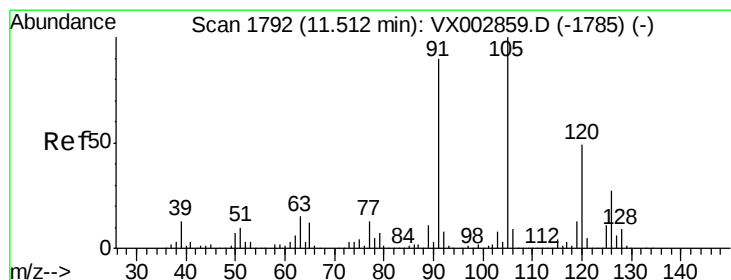
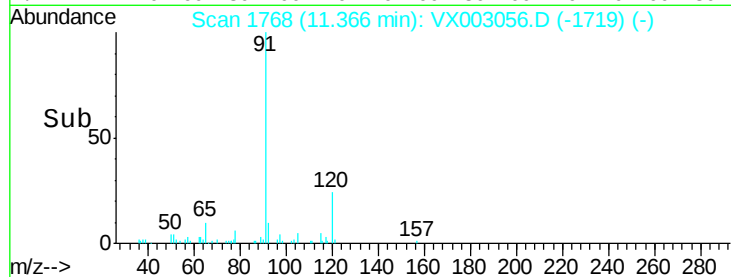
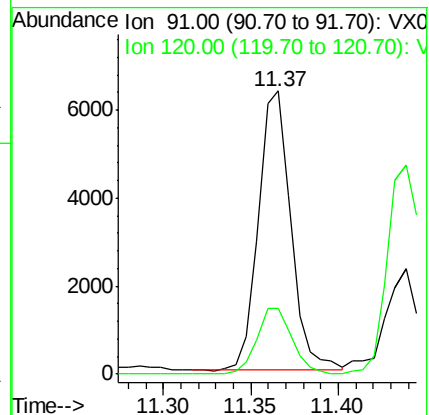
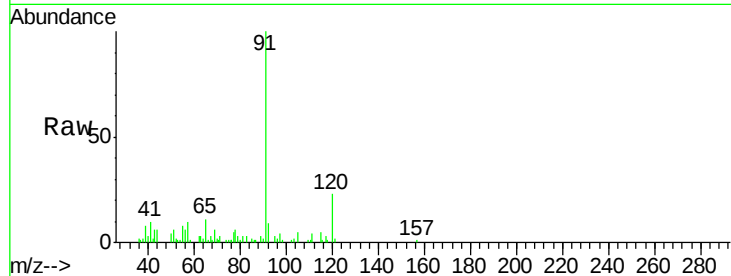
WP021SB478-25-27-180621MEDL

Tot Ion: 91 Resp: 8157

Ion Ratio Lower Upper

91 100

120 25.7 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 1.24 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003056.D

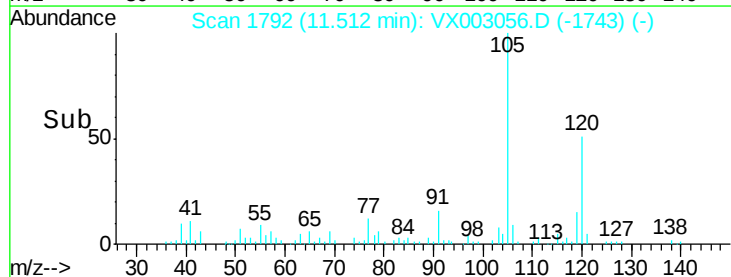
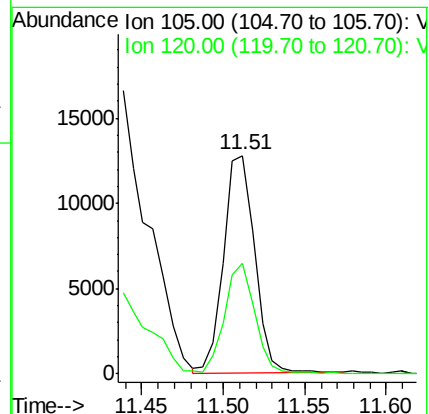
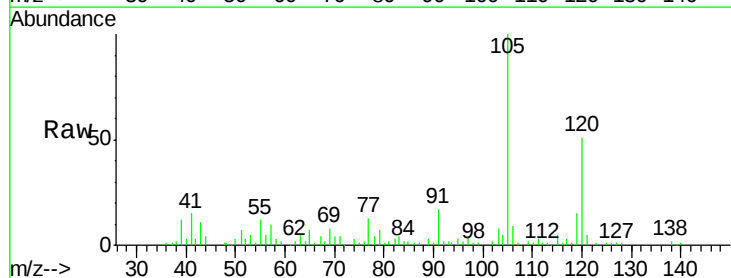
Acq: 30 Jun 2018 03:49

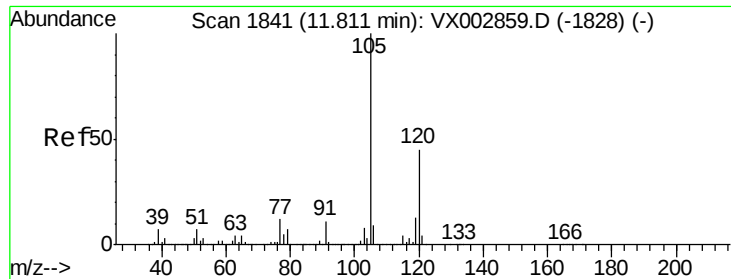
Tgt Ion: 105 Resp: 16870

Ion Ratio Lower Upper

105 100

120 50.2 24.4 73.4

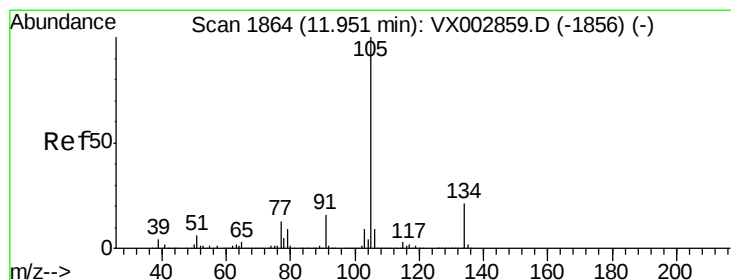
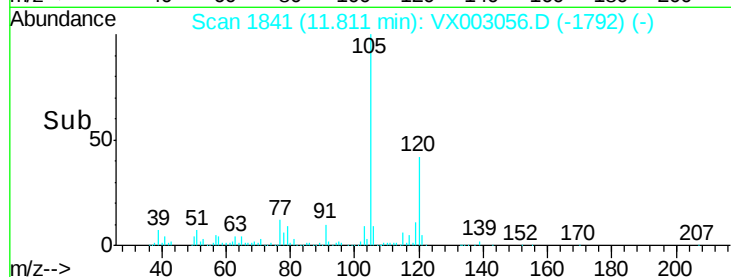
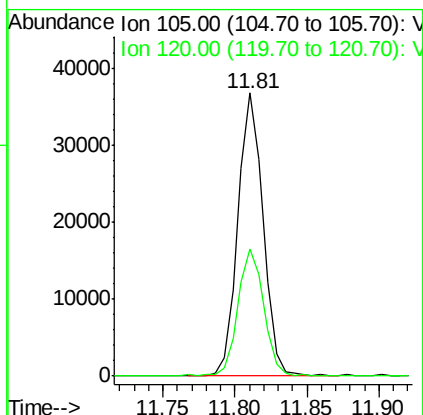
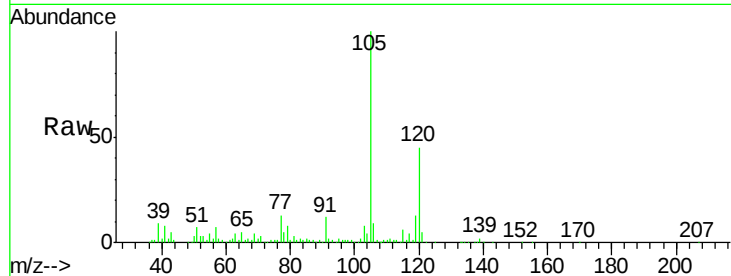




#84
 1,2,4-Trimethylbenzene
 Concen: 3.17 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003056.D
 Acq: 30 Jun 2018 03:49

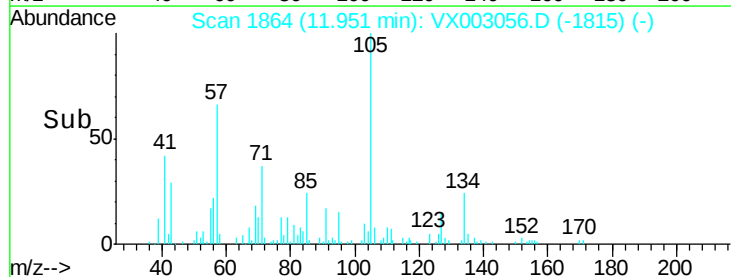
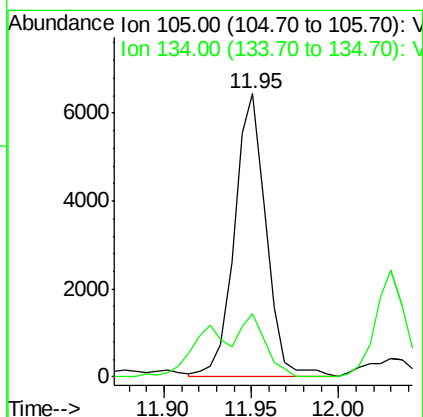
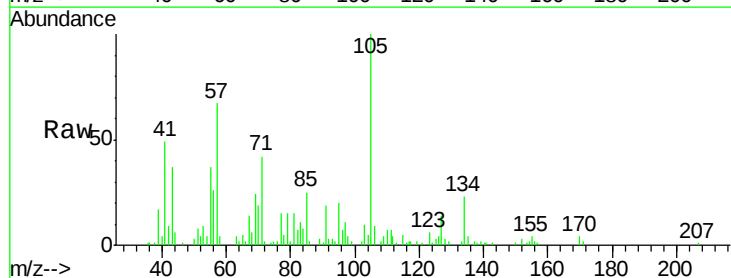
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB478-25-27-180621MEDL

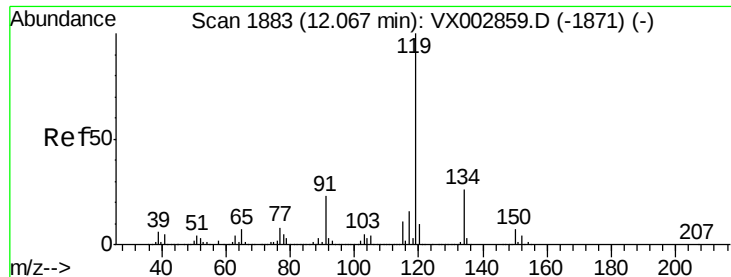
Tot Ion:105 Resp: 44519
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 0.50 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003056.D
 Acq: 30 Jun 2018 03:49

Tgt Ion:105 Resp: 8070
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.4 31.1

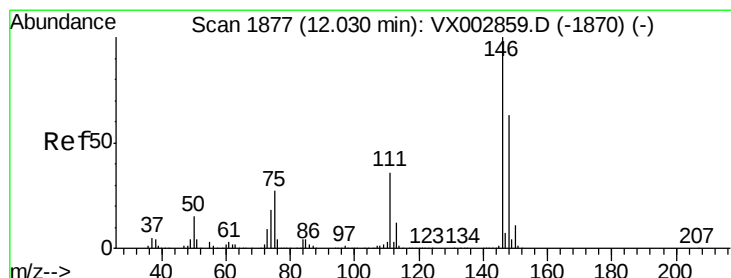
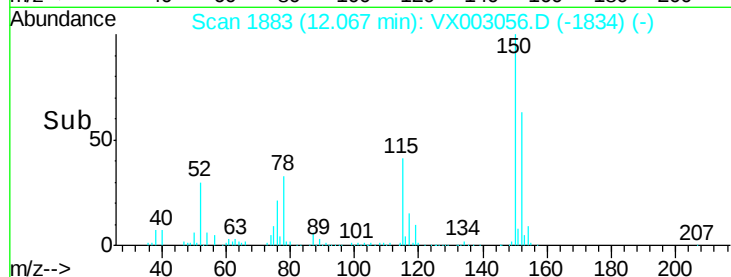
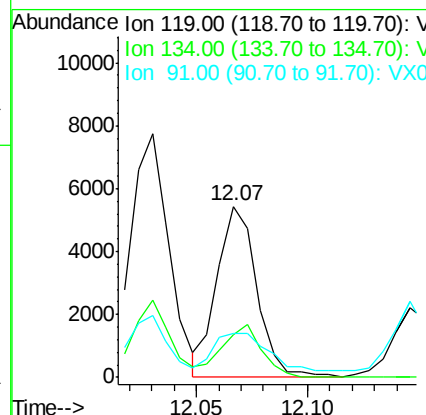
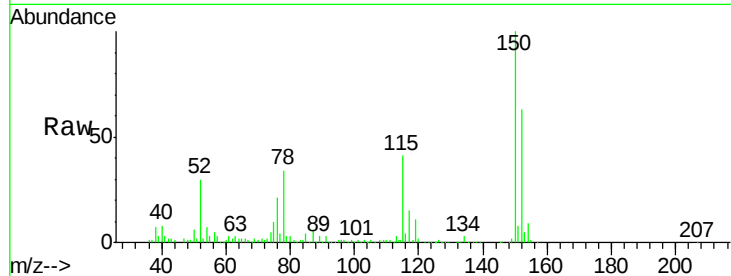




#86
 p-Isopropyltoluene
 Concen: 0.46 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003056.D
 Acq: 30 Jun 2018 03:49

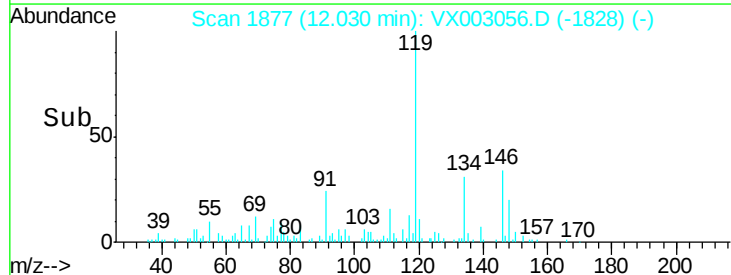
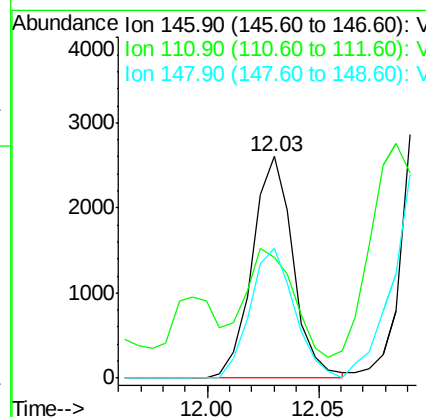
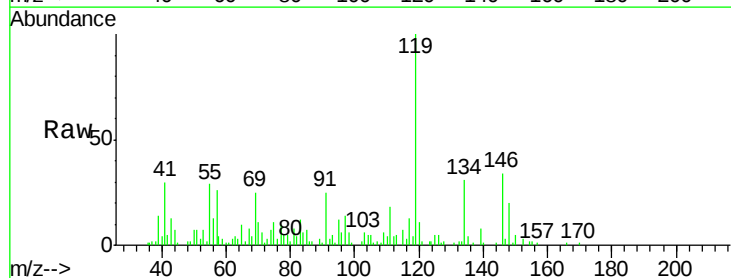
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB478-25-27-180621MEDL

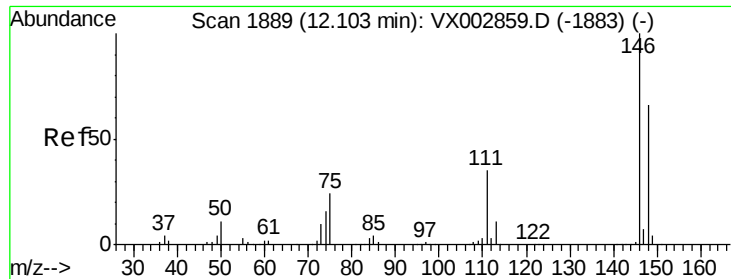
Tot Ion:119 Resp: 6774
 Ion Ratio Lower Upper
 119 100
 134 31.3 13.4 40.1
 91 29.5 11.9 35.7



#87
 1,3-Dichlorobenzene
 Concen: 0.40 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003056.D
 Acq: 30 Jun 2018 03:49

Tgt Ion:146 Resp: 3317
 Ion Ratio Lower Upper
 146 100
 111 57.9 18.9 56.7#
 148 63.2 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 0.81 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

Instrument :

MSVOA_X

ClientSampleId :

WP021SB478-25-27-180621MEDL

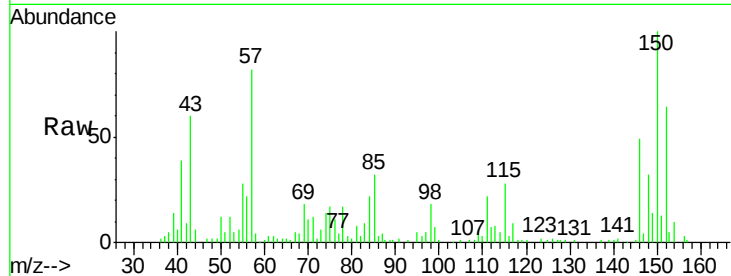
Tot Ion:146 Resp: 7011

Ion Ratio Lower Upper

146 100

111 85.0 18.7 56.1#

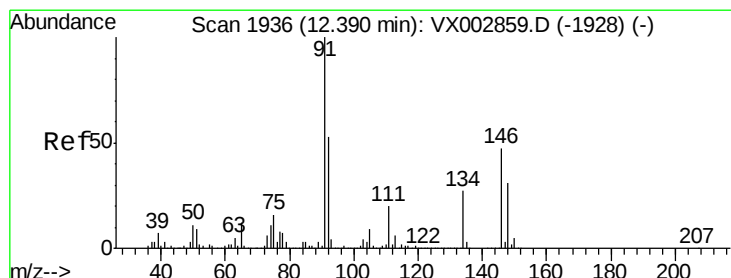
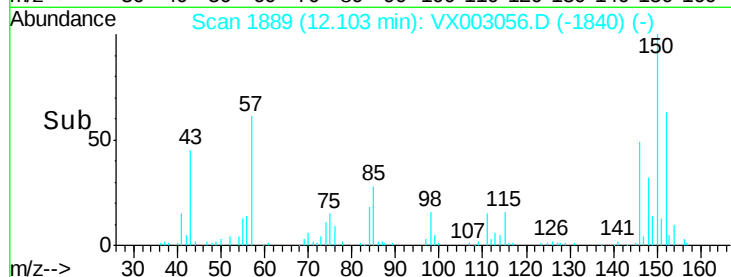
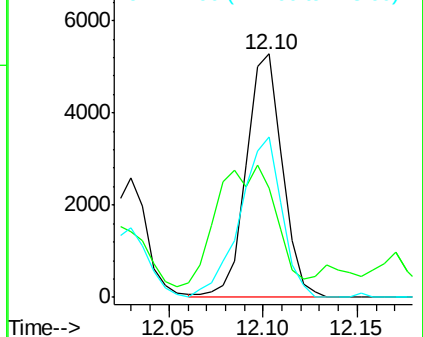
148 76.1 32.4 97.0



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



#89

n-Butylbenzene

Concen: 1.67 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003056.D

Acq: 30 Jun 2018 03:49

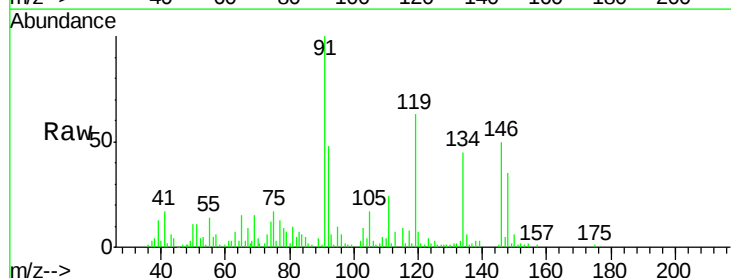
Tgt Ion: 91 Resp: 21217

Ion Ratio Lower Upper

91 100

92 37.5 26.0 78.0

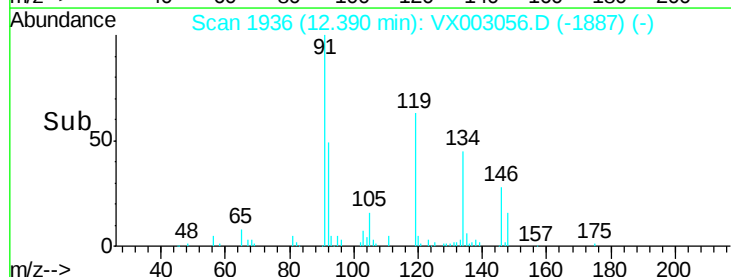
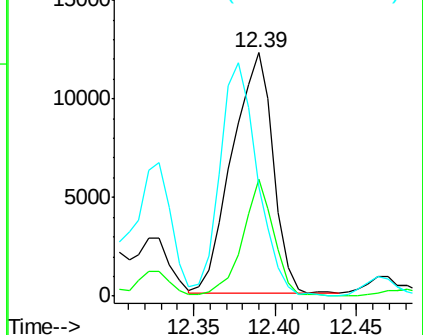
134 89.8 13.5 40.5#

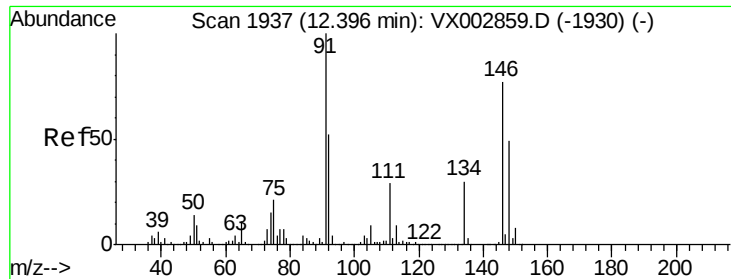


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

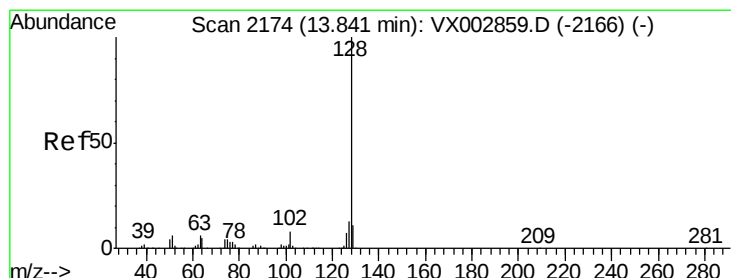
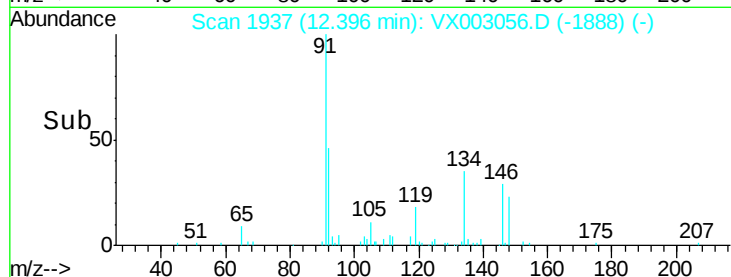
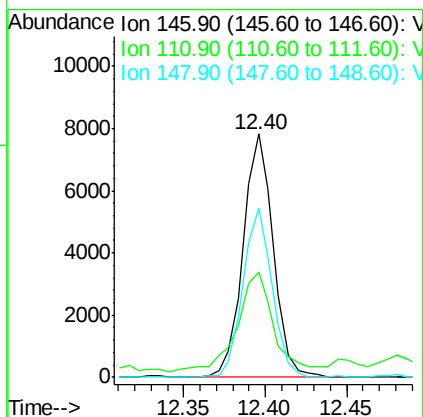
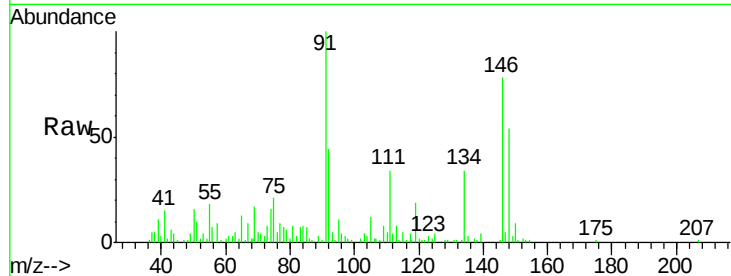




#91
1,2-Dichlorobenzene
Concen: 1.19 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Instrument :
MSVOA_X
ClientSampleId :
WP021SB478-25-27-180621MEDL

Tot Ion:146 Resp: 10069
Ion Ratio Lower Upper
146 100
111 50.4 19.4 58.1
148 67.5 31.7 95.1



#95
Naphthalene
Concen: 1.78 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003056.D
Acq: 30 Jun 2018 03:49

Tgt Ion:128 Resp: 29195
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 13.4 8.6 13.0#

