

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002911.D
 Acq On : 26 Jun 2018 23:17
 Operator : JC/MD
 Sample : J3707-05 50X
 Misc : 5.49g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB488-29-31-180622

Quant Time: Jul 06 17:54:31 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	254347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200761	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	173127	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
35) Dibromofluoromethane	5.51	113	137426	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.72	98	511508	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	189144	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

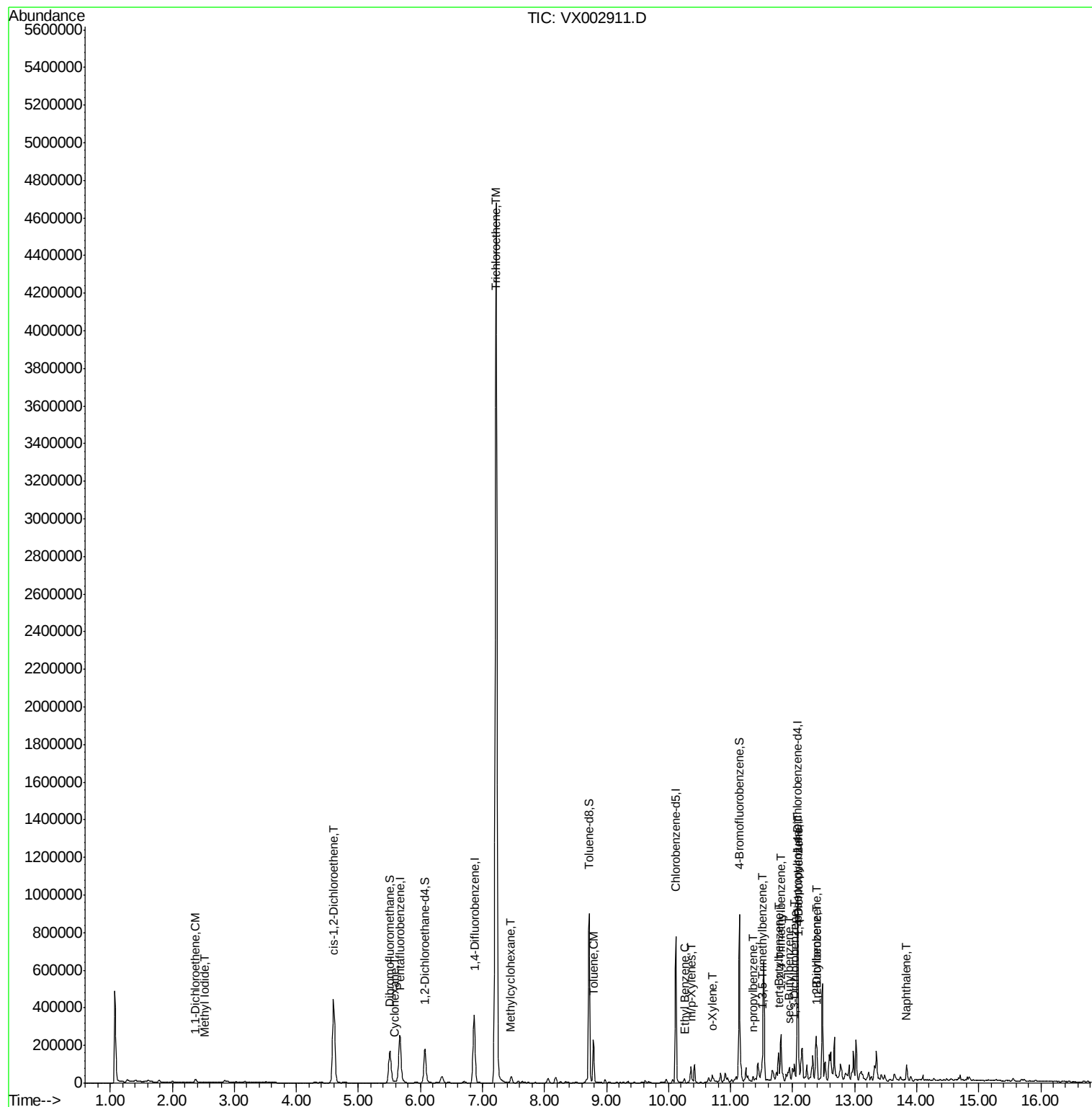
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	2058	6.86	ug/l	98
12) 1,1-Dichloroethene	2.37	96	5619	2.24	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	278831	91.02	ug/l	83
31) Cyclohexane	5.57	56	5325	1.21	ug/l #	83
39) Methylcyclohexane	7.46	83	12871	2.82	ug/l	100
44) Trichloroethene	7.22	130	1816072	535.36	ug/l	99
52) Toluene	8.79	92	79014	10.84	ug/l	99
67) Ethyl Benzene	10.26	91	9886	0.70	ug/l	90
68) m/p-Xylenes	10.36	106	18113	3.34	ug/l	99
69) o-Xylene	10.70	106	6973	1.32	ug/l	93
78) n-propylbenzene	11.37	91	15246	0.99	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	38104	3.35	ug/l	98
83) tert-Butylbenzene	11.77	119	3050	0.27	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	94512	8.02	ug/l	98
85) sec-Butylbenzene	11.95	105	14567	1.07	ug/l	95
86) p-Isopropyltoluene	12.07	119	12717	1.04	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	5762	0.82	ug/l	86
88) 1,4-Dichlorobenzene	12.10	146	10444	1.44	ug/l #	74
89) n-Butylbenzene	12.39	91	38641	3.63	ug/l #	41
91) 1,2-Dichlorobenzene	12.40	146	20591	2.90	ug/l	96
95) Naphthalene	13.83	128	52851	3.85	ug/l	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

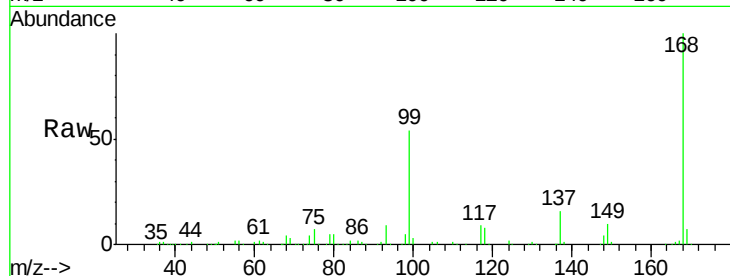
WP021SB488-29-31-180622

Tot Ion:168 Resp: 254347

Ion Ratio Lower Upper

168 100

99 53.7 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

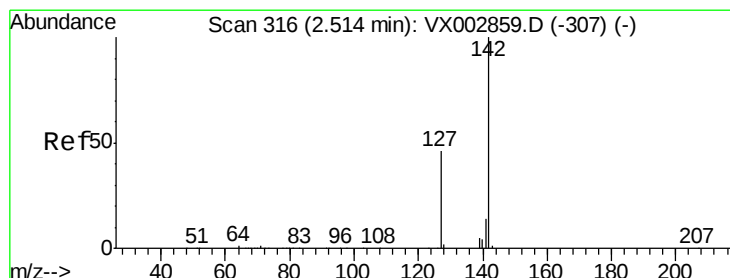
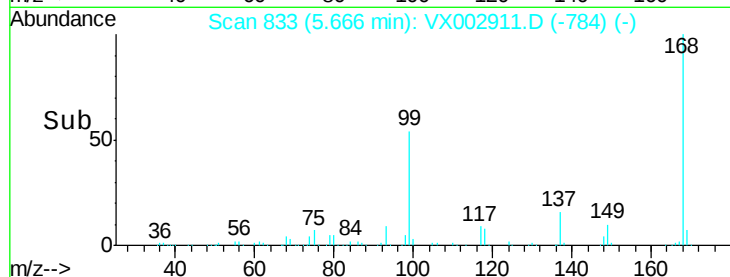
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.86 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

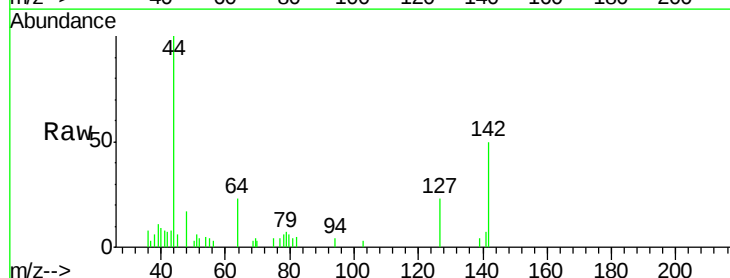
Tgt Ion:142 Resp: 2058

Ion Ratio Lower Upper

142 100

127 45.0 36.6 55.0

141 12.3 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1200

1000

800

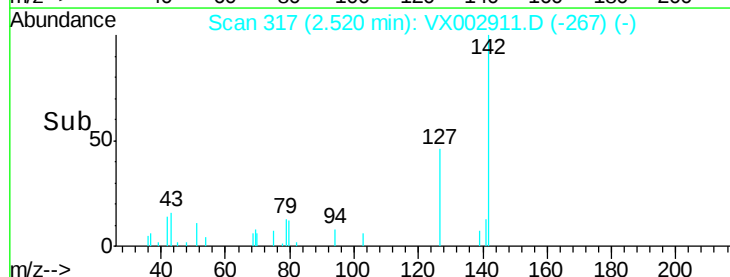
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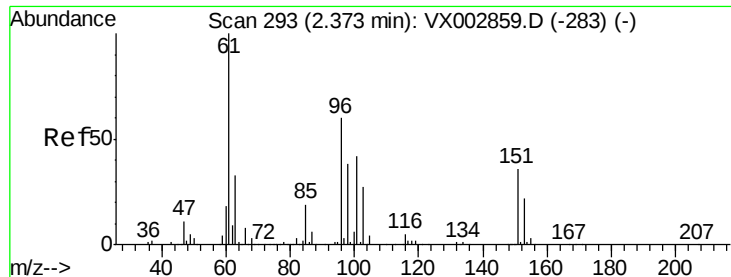
400

200

0

Time--> 2.45 2.50 2.55





#12

1,1-Dichloroethene

Concen: 2.24 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

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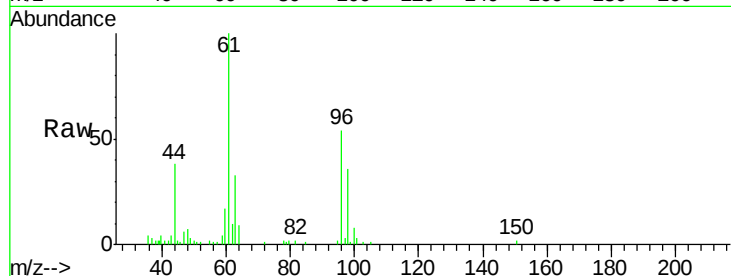
Tot Ion: 96 Resp: 5619

Ion Ratio Lower Upper

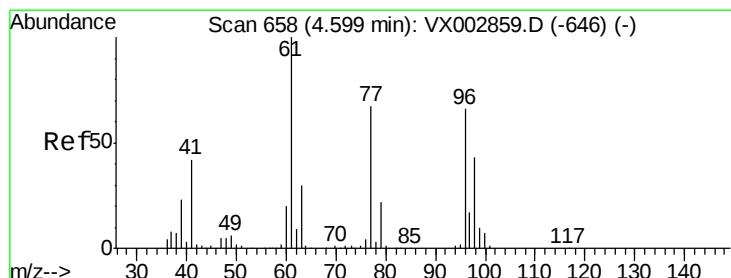
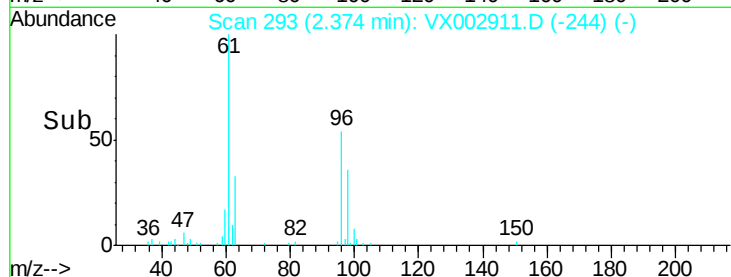
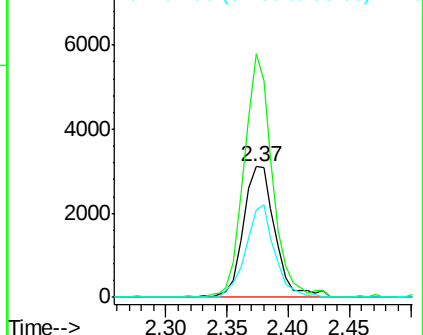
96 100

61 186.0 137.9 206.9

98 66.4 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



#27

cis-1,2-Dichloroethene

Concen: 91.02 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

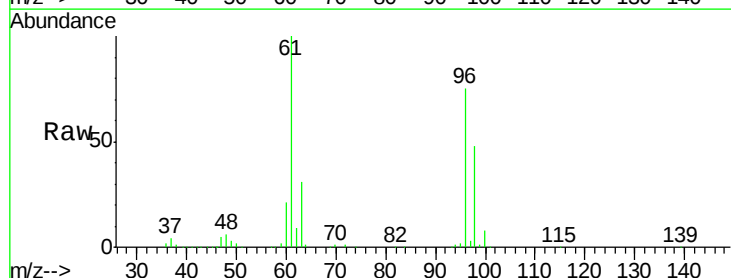
Tgt Ion: 96 Resp: 278831

Ion Ratio Lower Upper

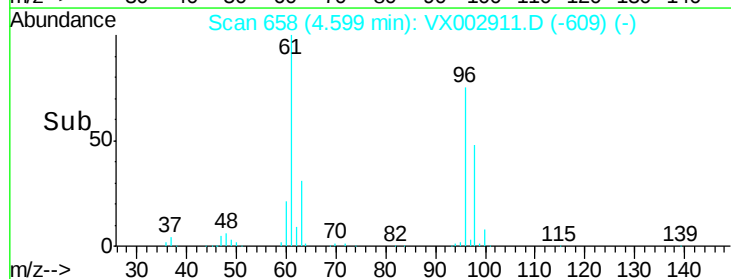
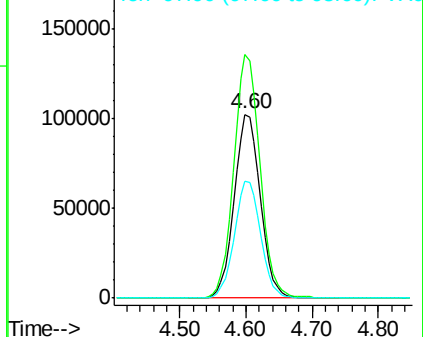
96 100

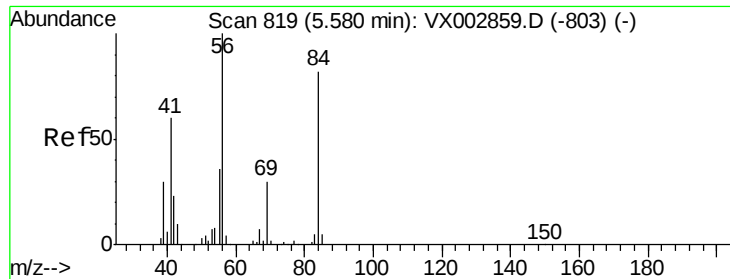
61 133.7 0.0 330.2

98 64.3 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

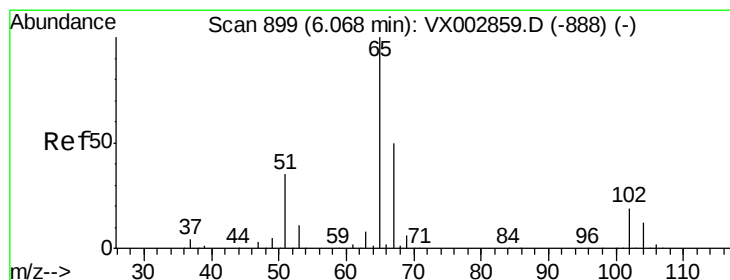
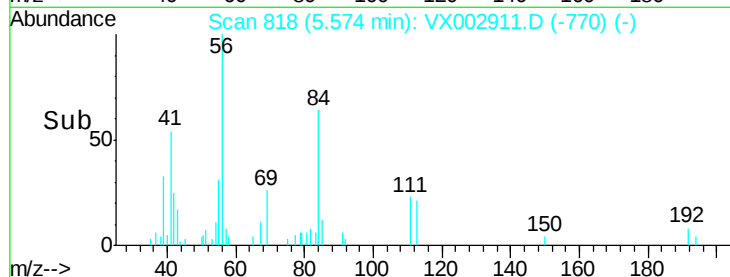
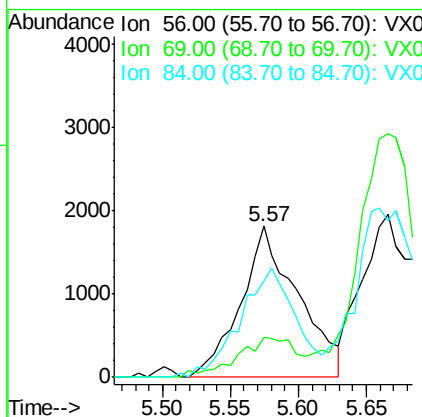
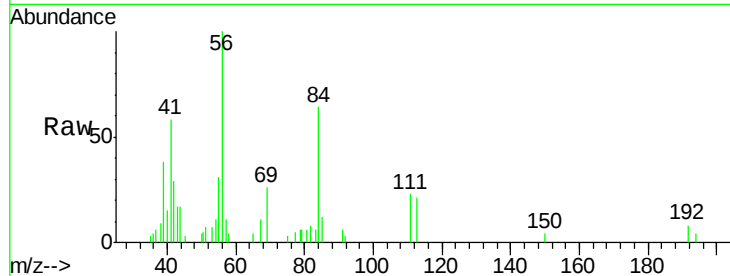




#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

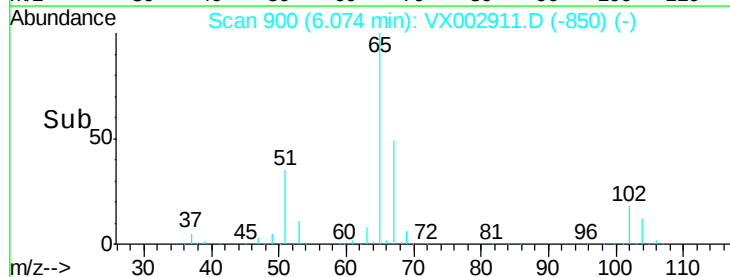
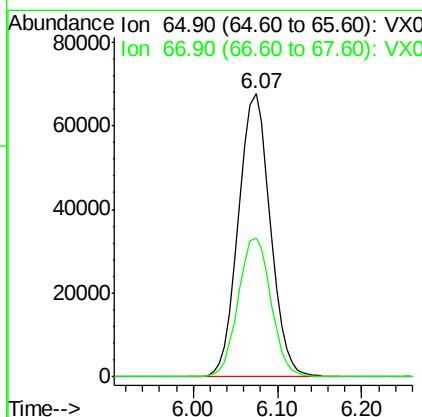
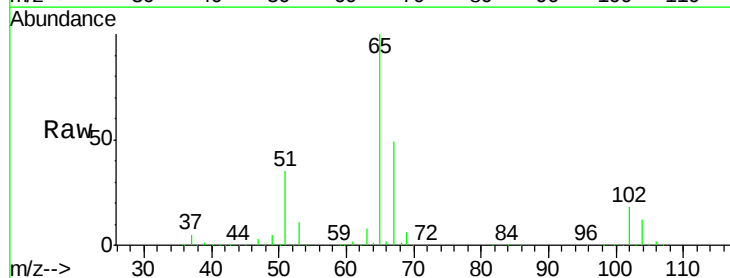
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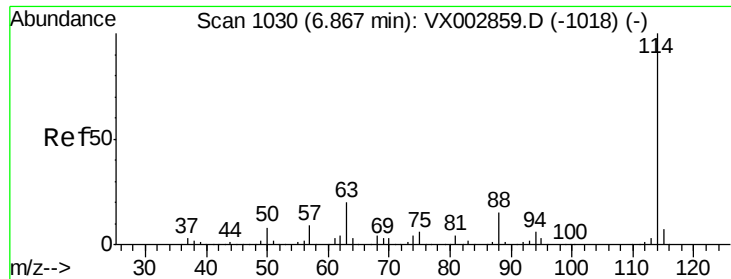
Tot Ion: 56 Resp: 5325
Ion Ratio Lower Upper
56 100
69 22.2 23.7 35.5#
84 63.9 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 49.25 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

Tgt Ion: 65 Resp: 173127
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6

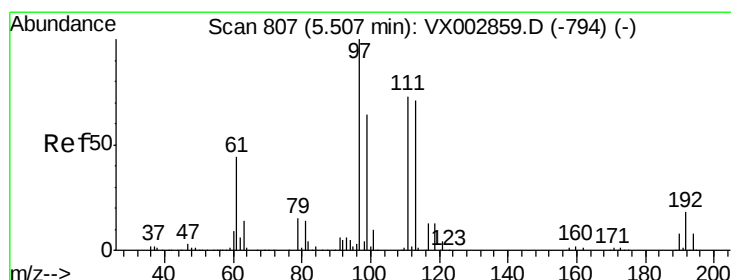
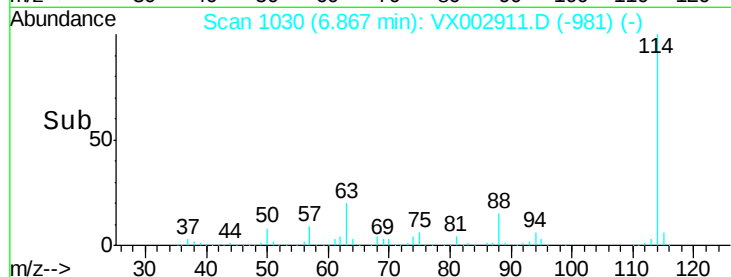
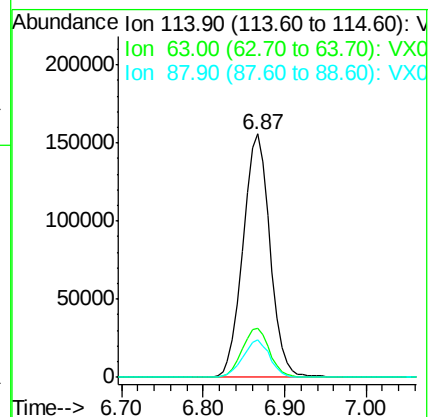
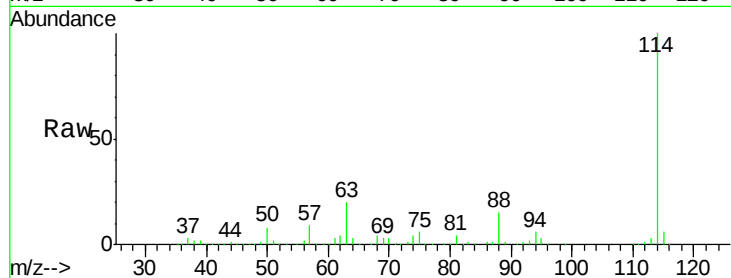




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002911.D
 Acq: 26 Jun 2018 23:17

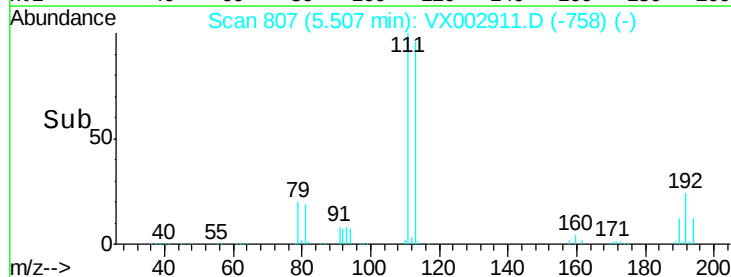
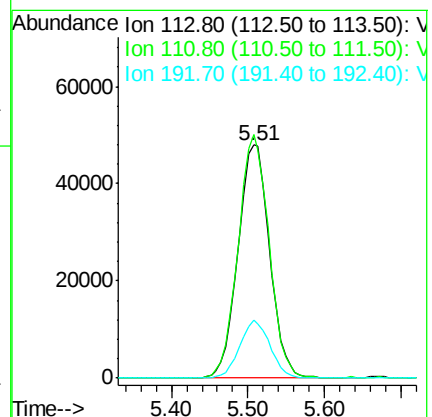
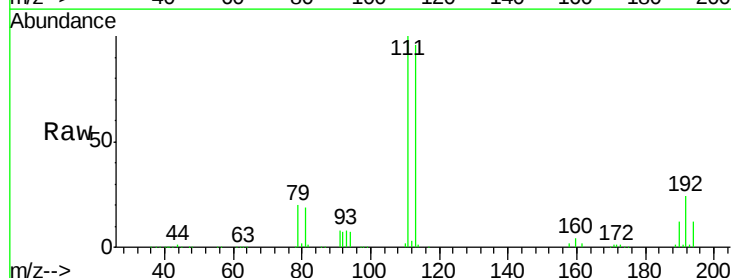
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB488-29-31-180622

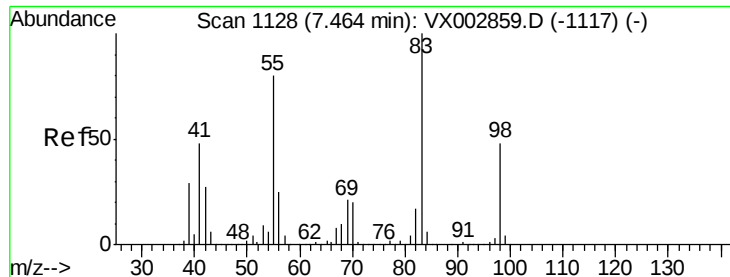
Tot Ion:114 Resp: 357086
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.2 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 48.60 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002911.D
 Acq: 26 Jun 2018 23:17

Tgt Ion:113 Resp: 137426
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 23.8 19.1 28.7

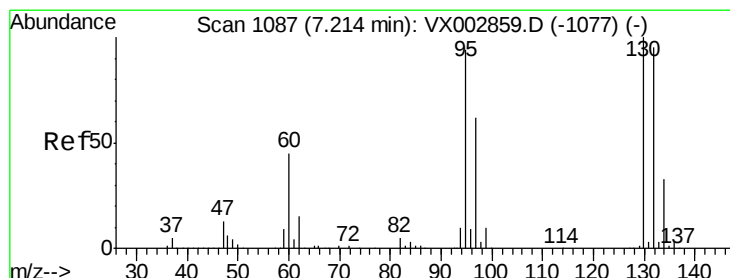
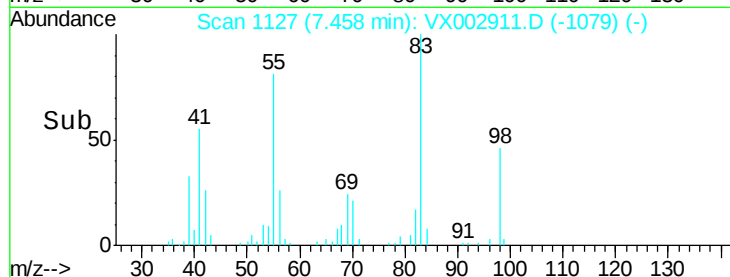
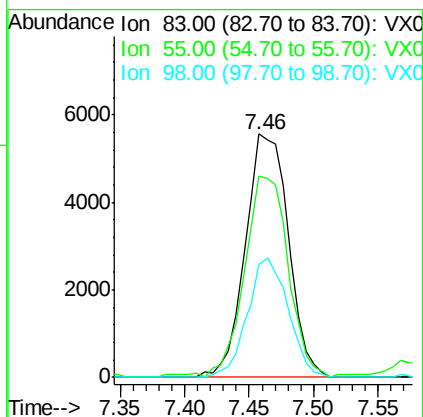
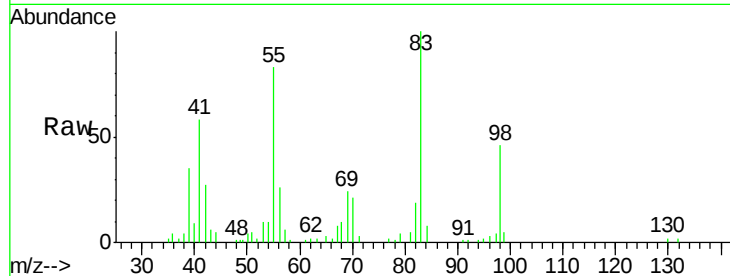




#39
Methvlcvclohexane
Concen: 2.82 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

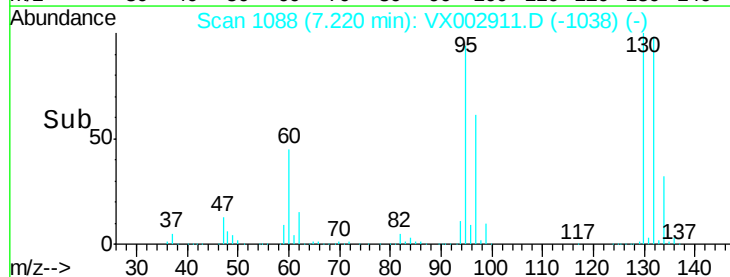
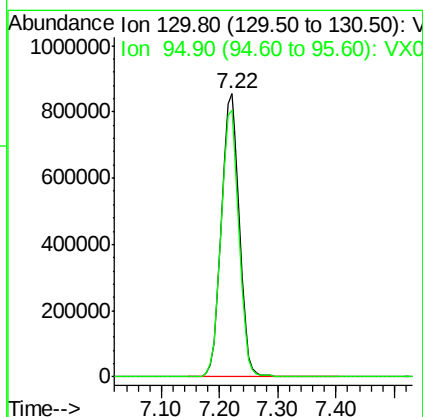
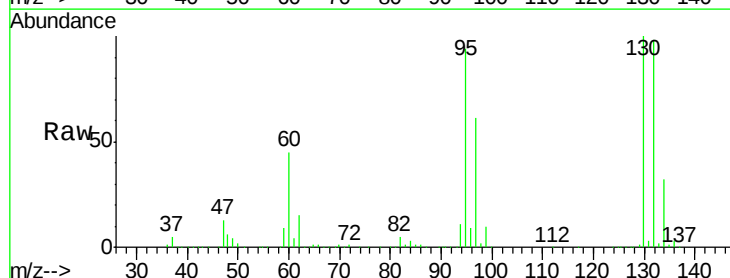
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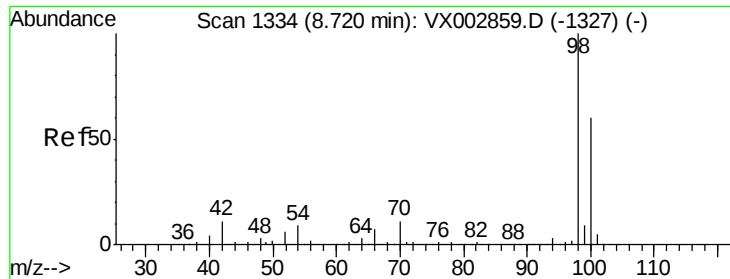
Tot Ion: 83 Resp: 12871
Ion Ratio Lower Upper
83 100
55 81.5 65.4 98.0
98 46.2 37.4 56.0



#44
Trichloroethene
Concen: 535.36 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

Tgt Ion:130 Resp: 1816072
Ion Ratio Lower Upper
130 100
95 94.1 0.0 185.4

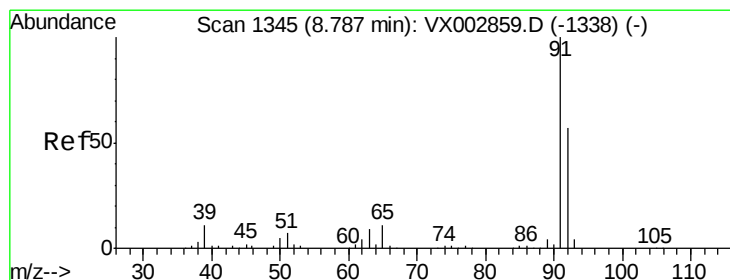
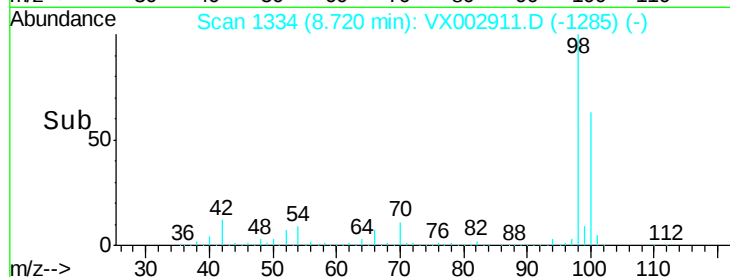
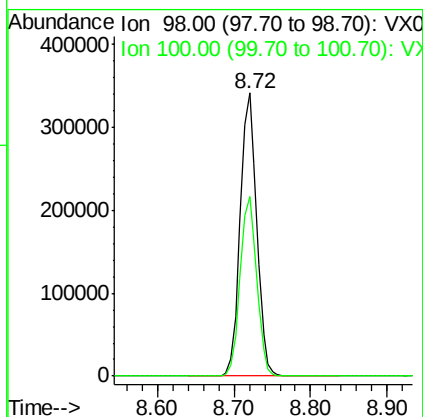
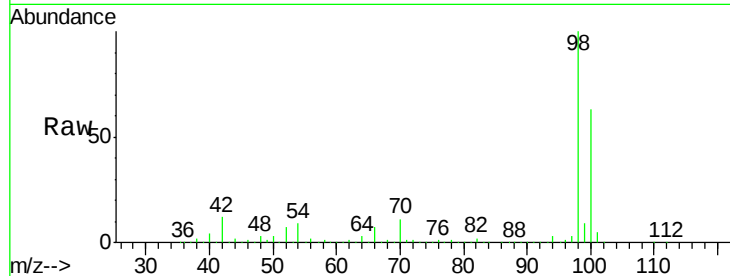




#50
Toluene-d8
Concen: 49.53 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

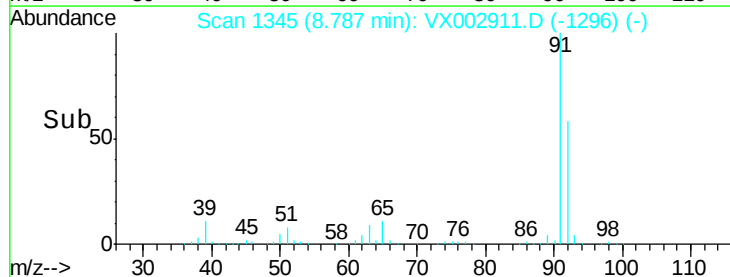
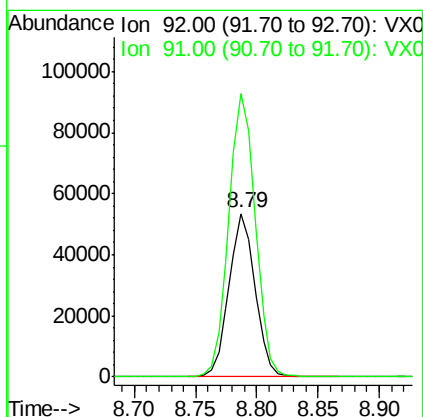
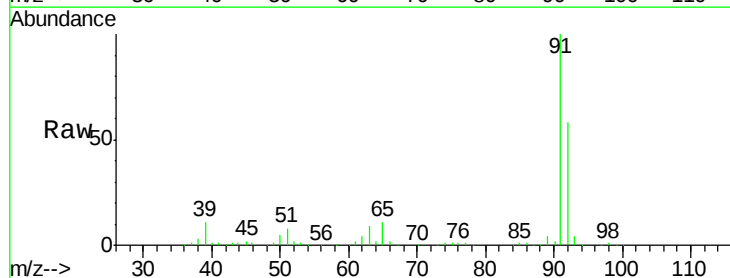
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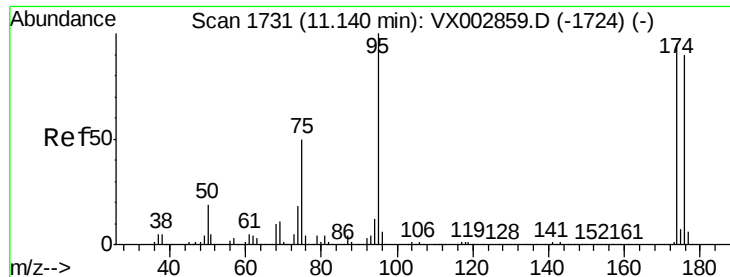
Tot Ion: 98 Resp: 511508
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#52
Toluene
Concen: 10.84 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

Tgt Ion: 92 Resp: 79014
Ion Ratio Lower Upper
92 100
91 176.8 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 47.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

WP021SB488-29-31-180622

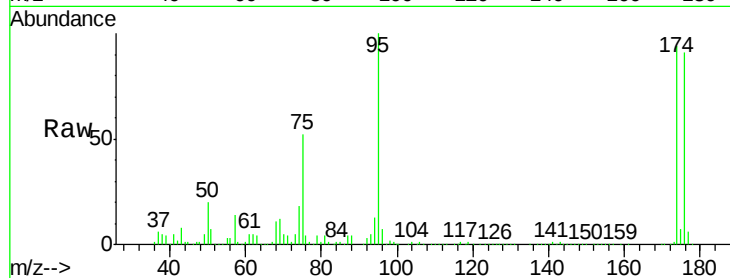
Tot Ion: 95 Resp: 189144

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

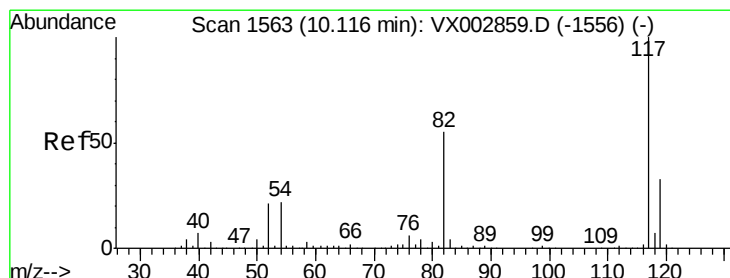
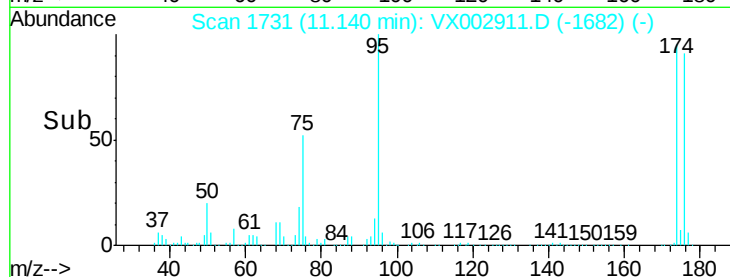
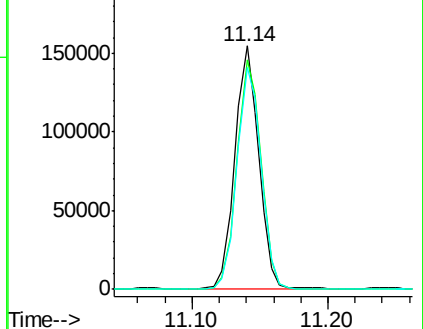
176 92.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002911.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002911.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002911.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

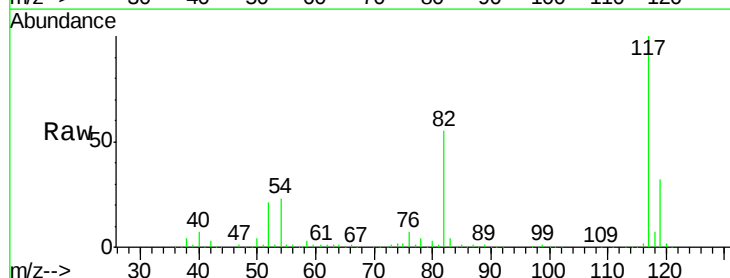
Tgt Ion: 117 Resp: 335816

Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.4

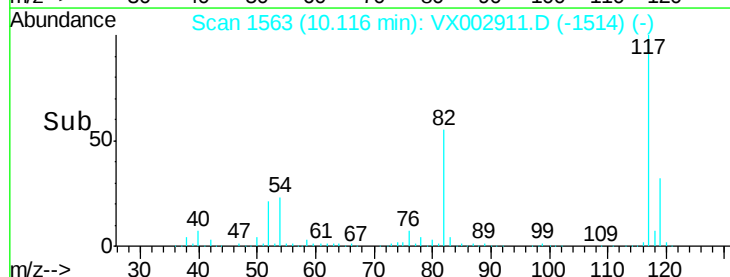
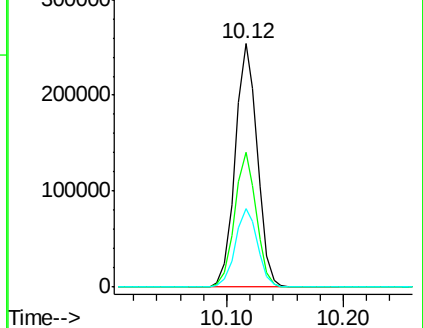
119 32.4 25.8 38.6

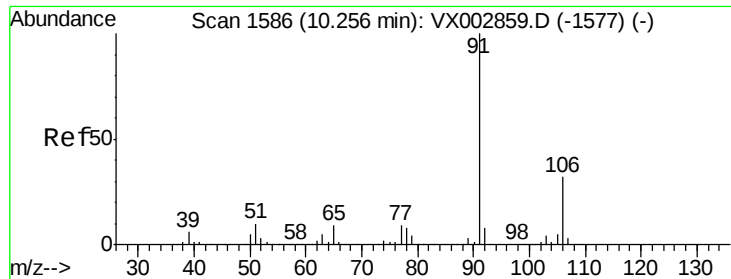


Abundance Ion 116.90 (116.60 to 117.60): VX002911.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002911.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002911.D (-1514) (-)

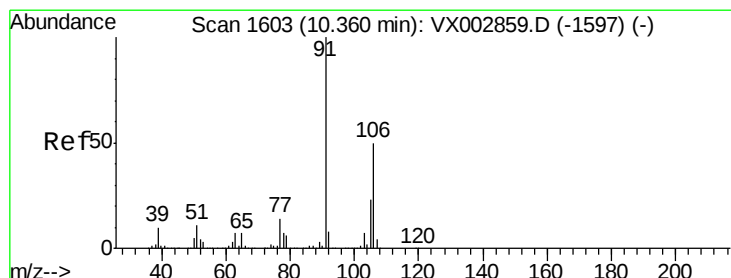
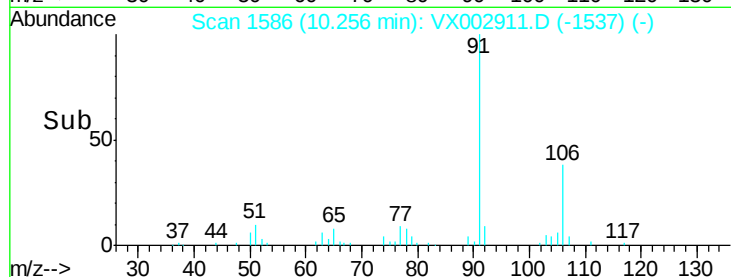
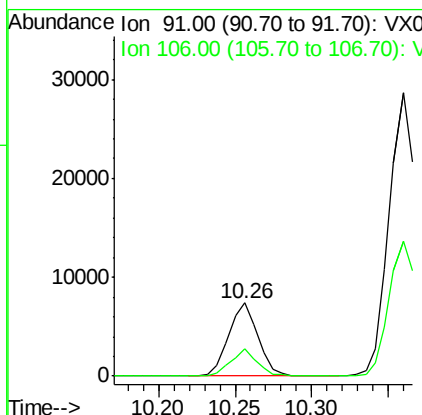
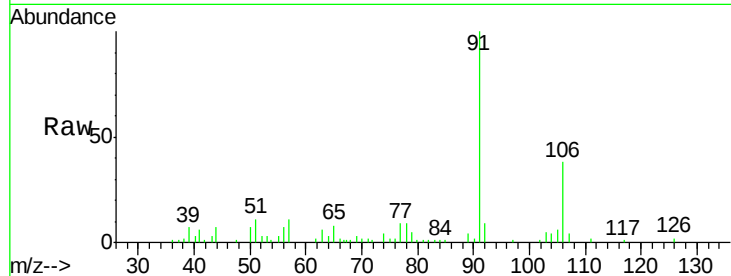




#67
Ethyl Benzene
Concen: 0.70 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

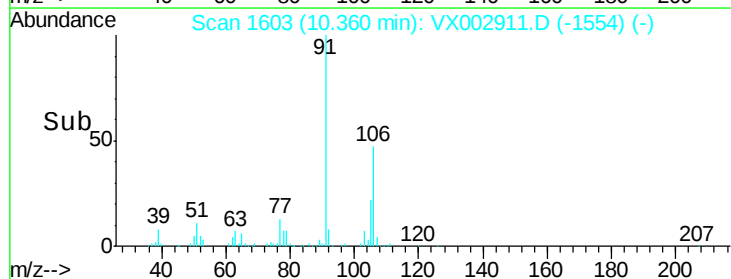
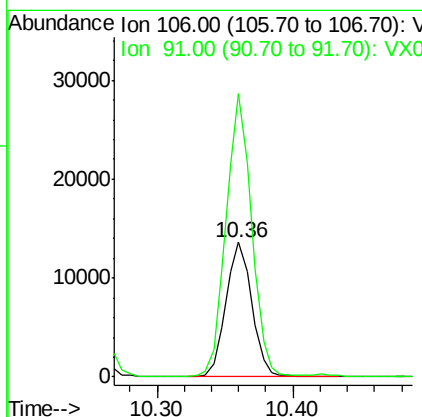
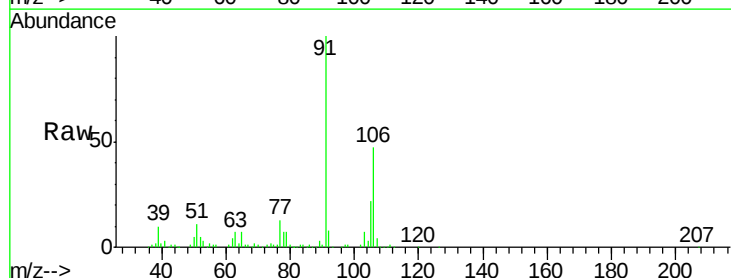
Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-29-31-180622

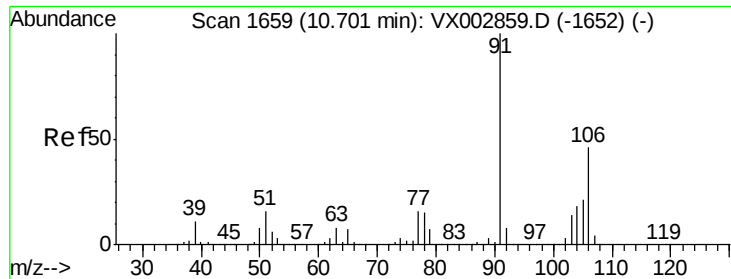
Tot Ion: 91 Resp: 9886
Ion Ratio Lower Upper
91 100
106 37.6 25.5 38.3



#68
m/p-Xylenes
Concen: 3.34 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

Tgt Ion: 106 Resp: 18113
Ion Ratio Lower Upper
106 100
91 206.5 163.4 245.2

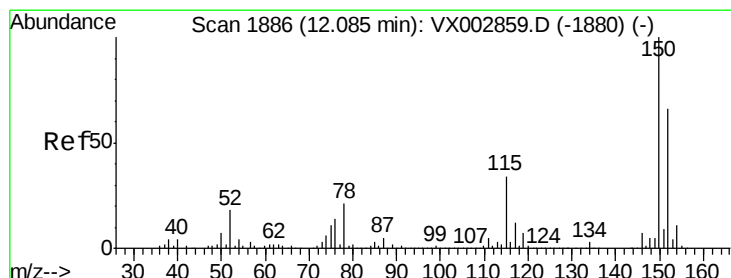
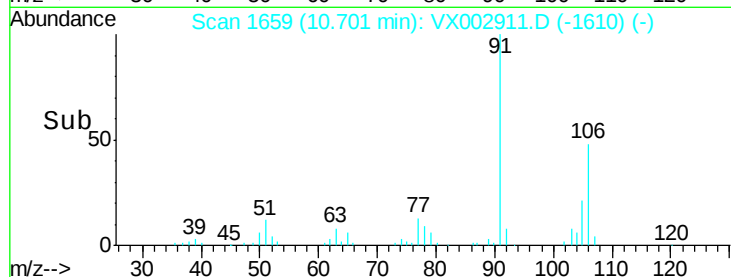
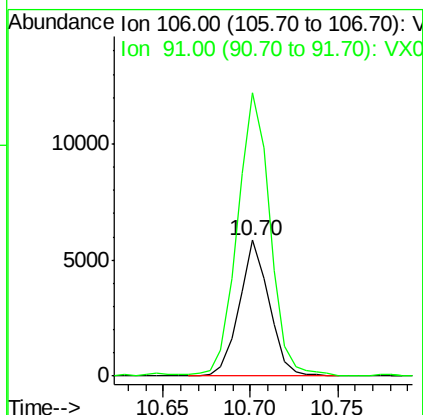
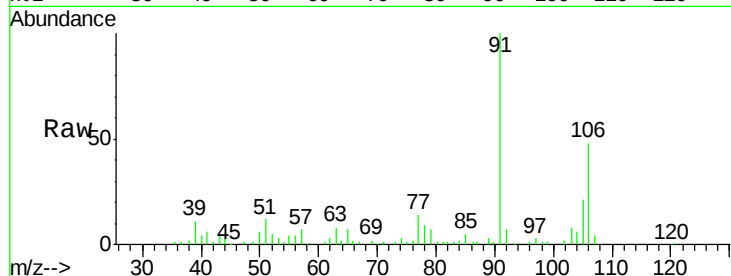




#69
o-Xylene
Concen: 1.32 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

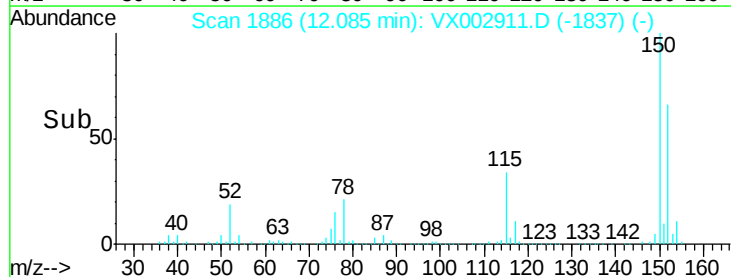
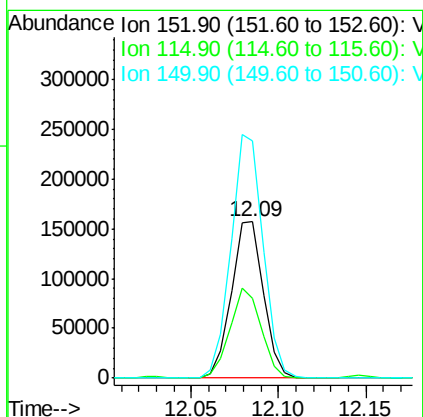
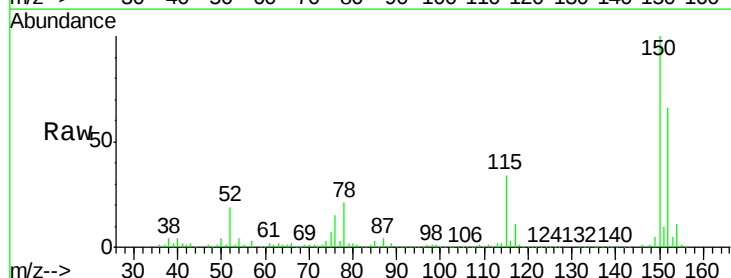
Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-29-31-180622

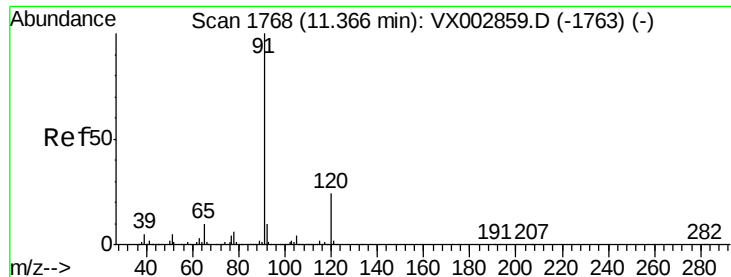
Tot Ion:106 Resp: 6973
Ion Ratio Lower Upper
106 100
91 227.1 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

Tgt Ion:152 Resp: 200761
Ion Ratio Lower Upper
152 100
115 55.5 40.1 120.2
150 155.6 0.0 347.2





#78

n-propylbenzene

Concen: 0.99 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

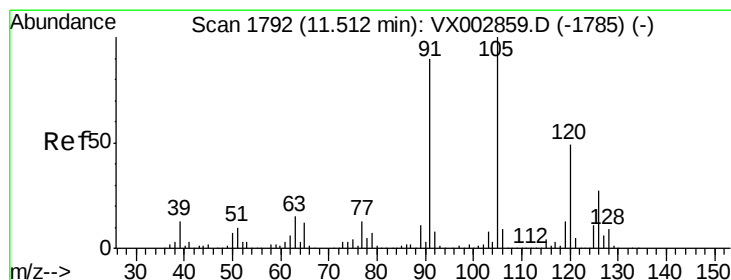
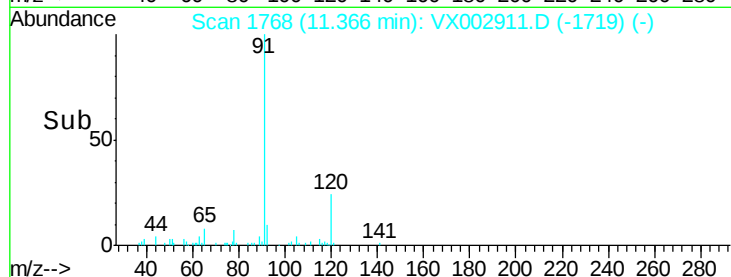
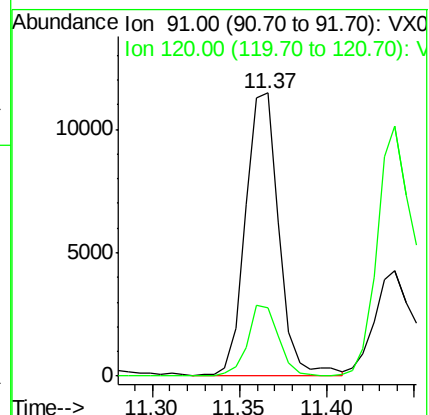
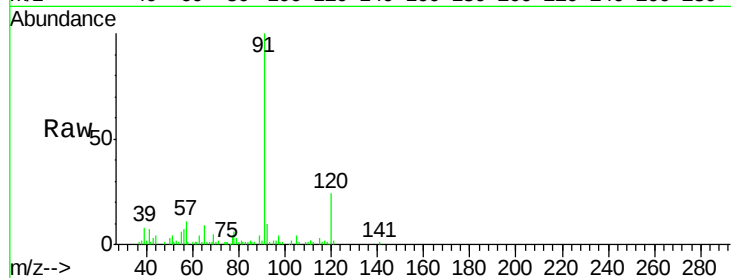
WP021SB488-29-31-180622

Tot Ion: 91 Resp: 15246

Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 3.35 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002911.D

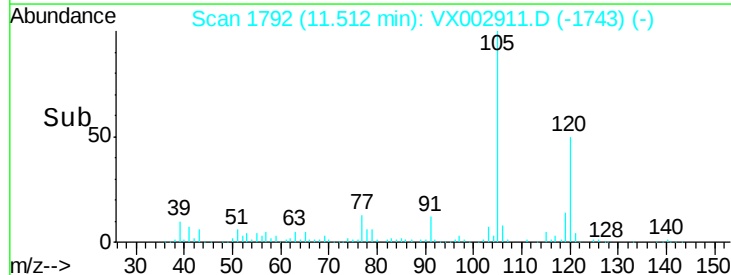
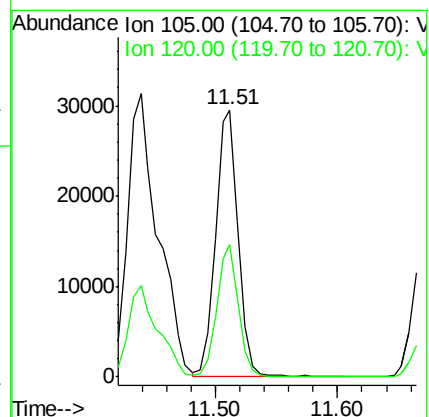
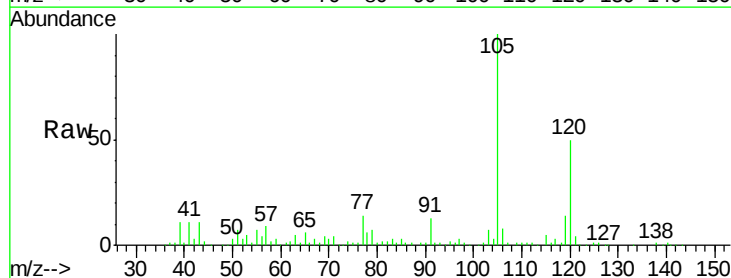
Acq: 26 Jun 2018 23:17

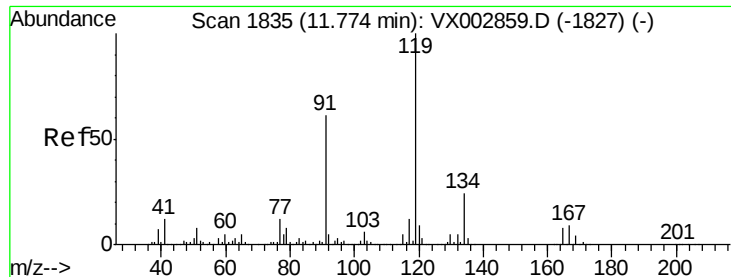
Tgt Ion: 105 Resp: 38104

Ion Ratio Lower Upper

105 100

120 47.3 24.4 73.4

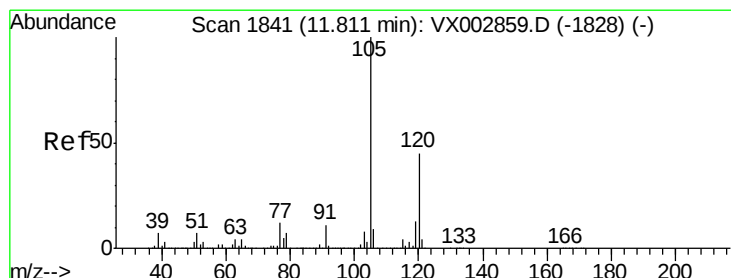
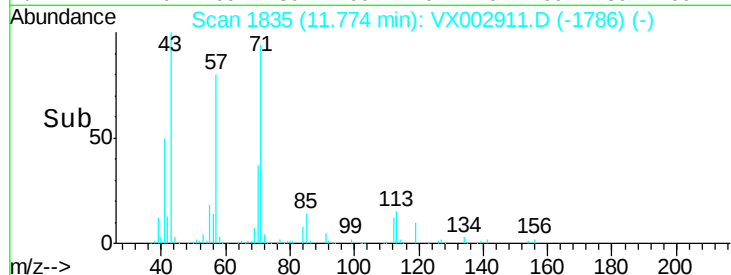
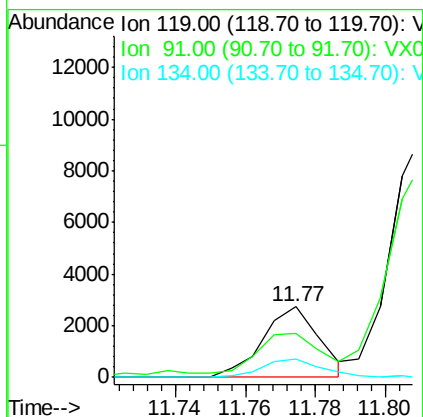
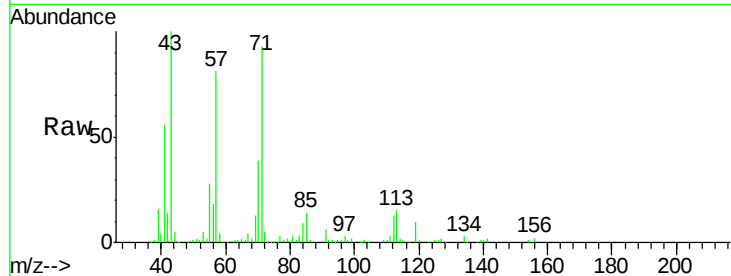




#83
tert-Butylbenzene
Concen: 0.27 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

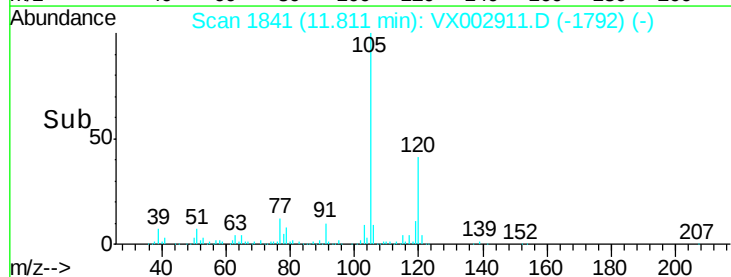
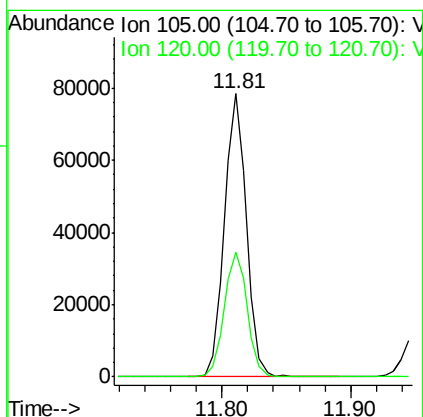
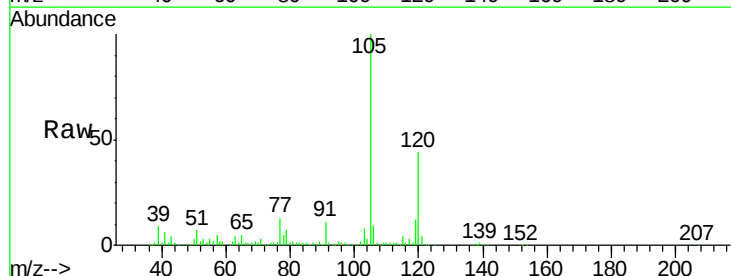
Instrument :
MSVOA_X
ClientSampleId :
WP021SB488-29-31-180622

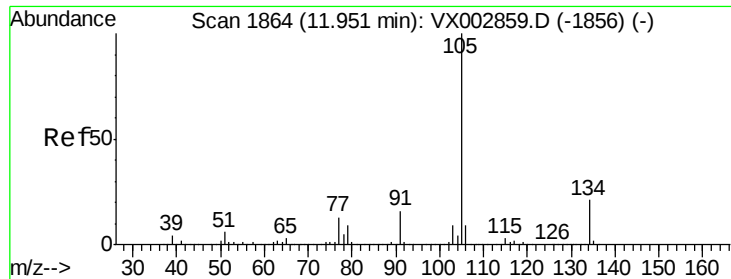
Tot Ion:119 Resp: 3050
Ion Ratio Lower Upper
119 100
91 63.5 30.3 90.9
134 27.1 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 8.02 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002911.D
Acq: 26 Jun 2018 23:17

Tgt Ion:105 Resp: 94512
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.8

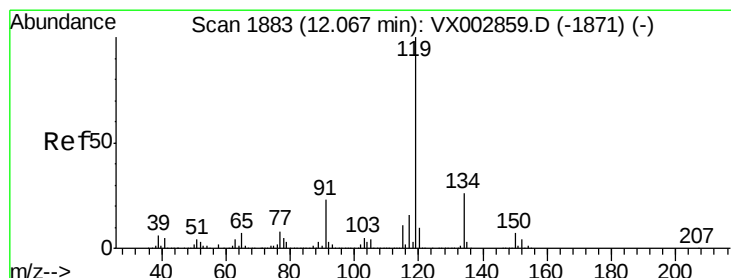
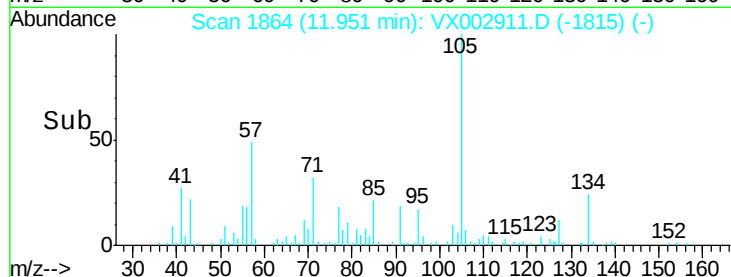
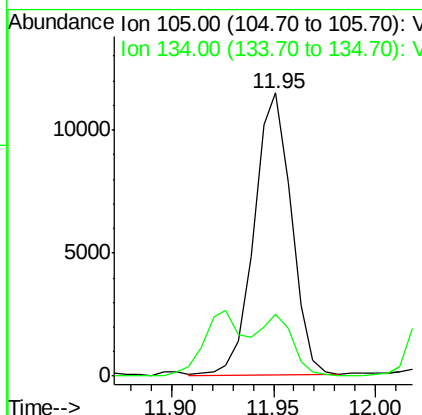
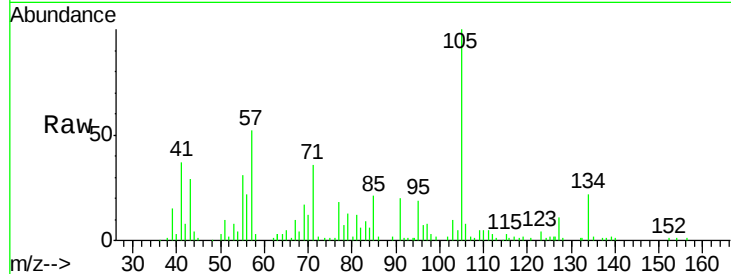




#85
 sec-Butylbenzene
 Concen: 1.07 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002911.D
 Acq: 26 Jun 2018 23:17

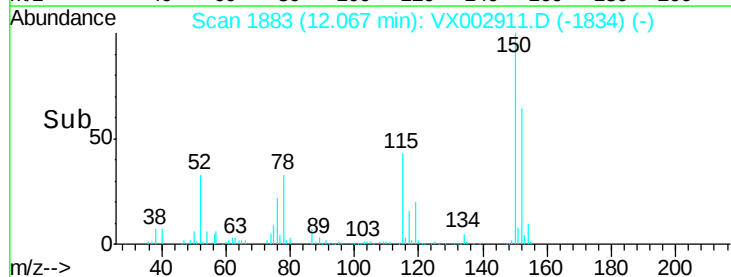
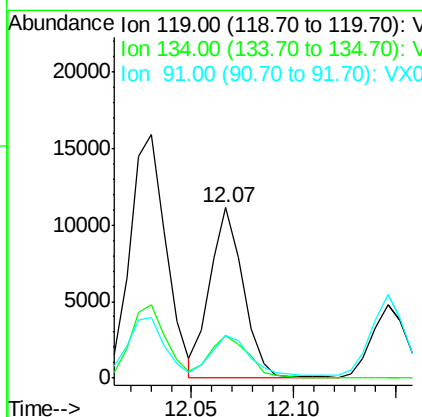
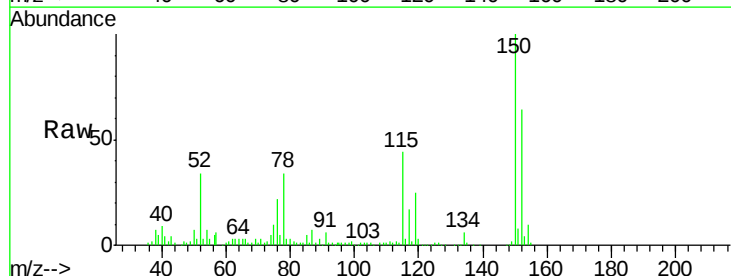
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB488-29-31-180622

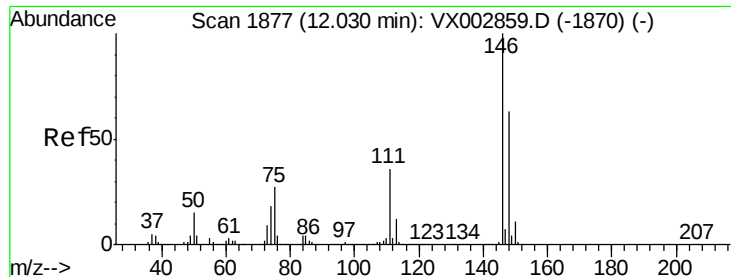
Tot Ion:105 Resp: 14567
 Ion Ratio Lower Upper
 105 100
 134 18.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 1.04 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002911.D
 Acq: 26 Jun 2018 23:17

Tgt Ion:119 Resp: 12717
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.4 40.1
 91 26.8 11.9 35.7

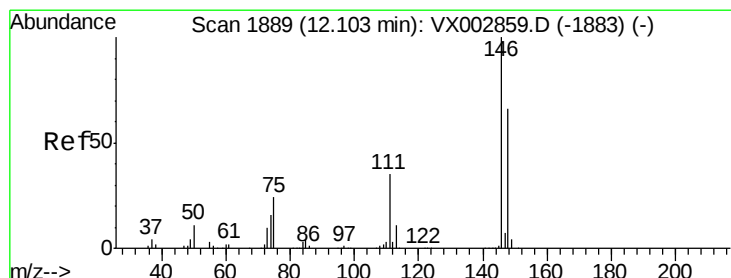
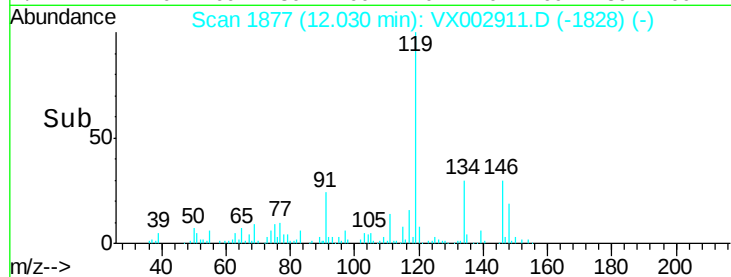
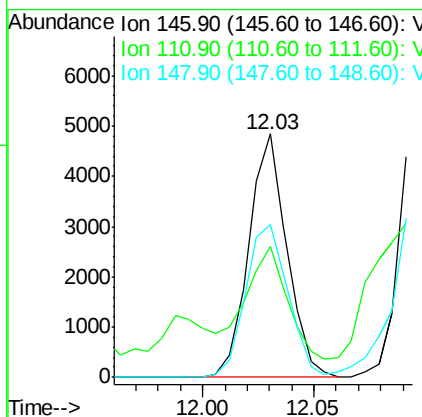
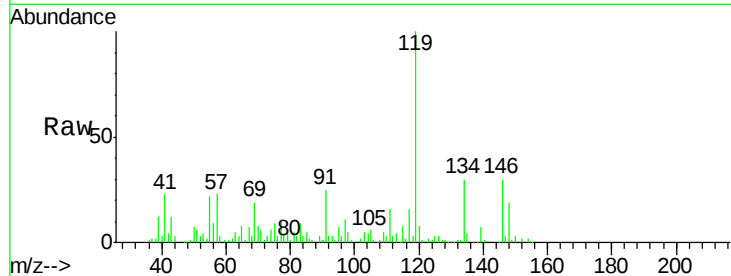




#87
 1,3-Dichlorobenzene
 Concen: 0.82 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002911.D
 Acq: 26 Jun 2018 23:17

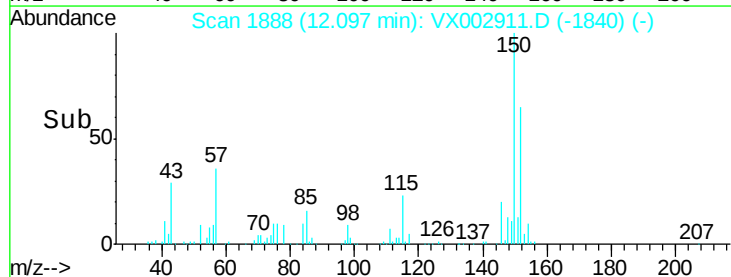
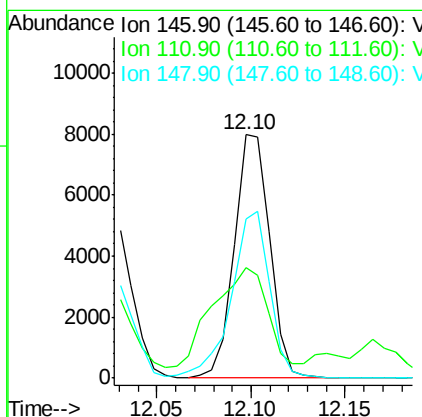
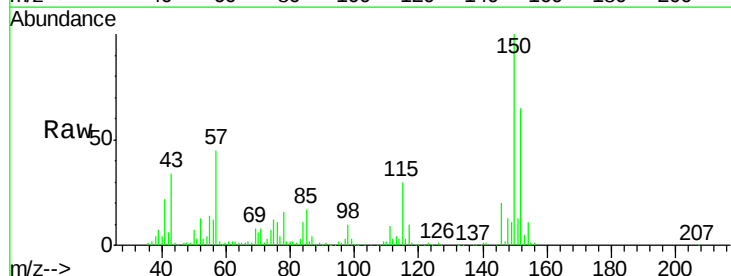
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB488-29-31-180622

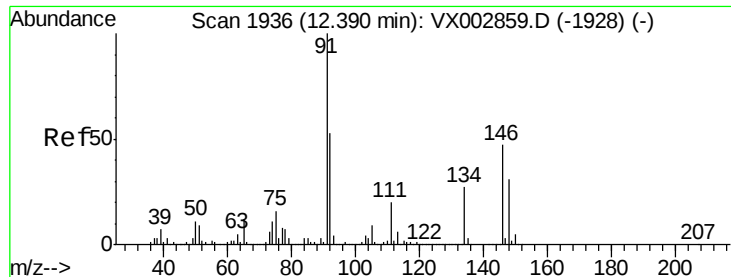
Tot Ion:146 Resp: 5762
 Ion Ratio Lower Upper
 146 100
 111 52.3 18.9 56.7
 148 70.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 1.44 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX002911.D
 Acq: 26 Jun 2018 23:17

Tgt Ion:146 Resp: 10444
 Ion Ratio Lower Upper
 146 100
 111 67.0 18.7 56.1#
 148 74.2 32.4 97.0





#89

n-Butylbenzene

Concen: 3.63 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

WP021SB488-29-31-180622

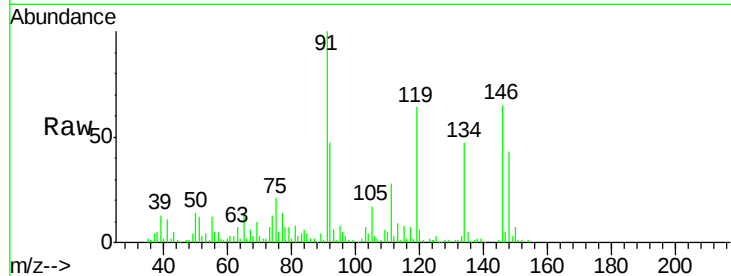
Tot Ion: 91 Resp: 38641

Ion Ratio Lower Upper

91 100

92 35.8 26.0 78.0

134 93.9 13.5 40.5#

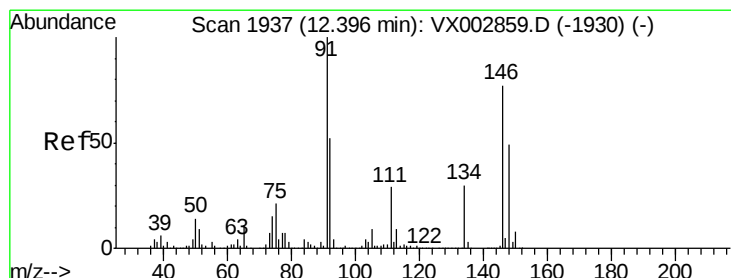
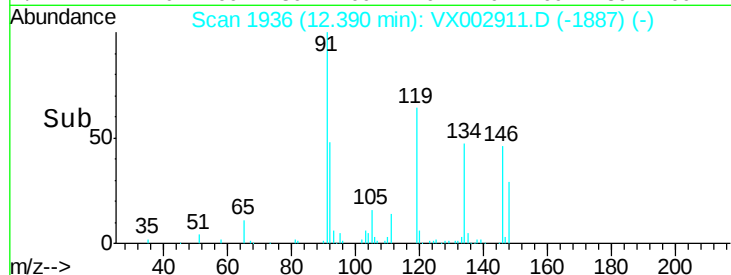
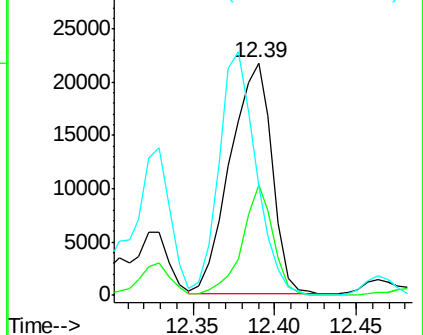


Abundance

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: 2.90 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

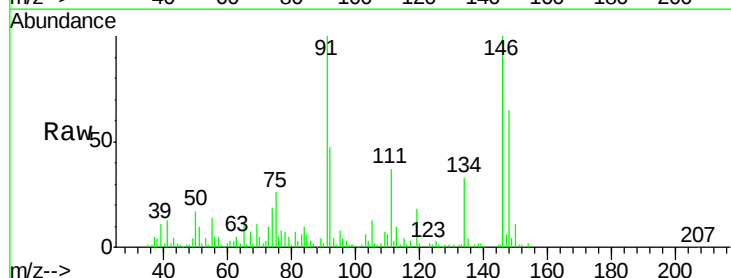
Tgt Ion: 146 Resp: 20591

Ion Ratio Lower Upper

146 100

111 41.5 19.4 58.1

148 65.9 31.7 95.1

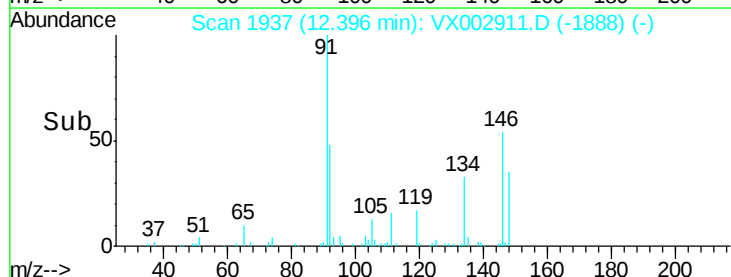
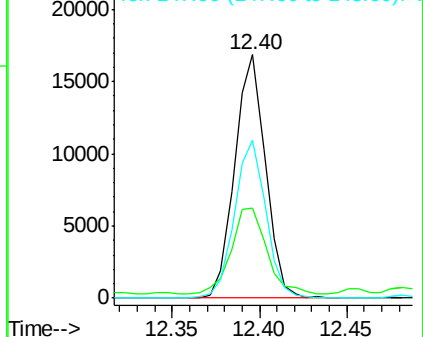


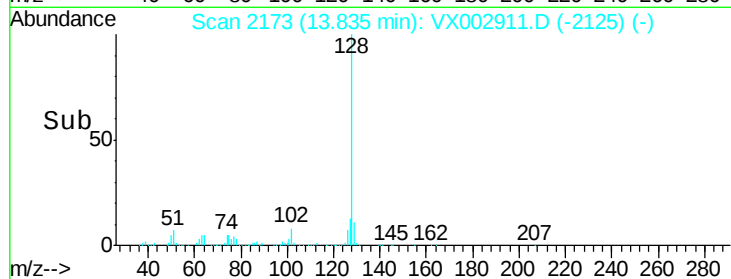
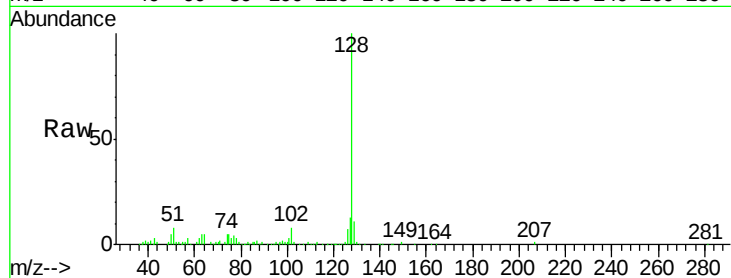
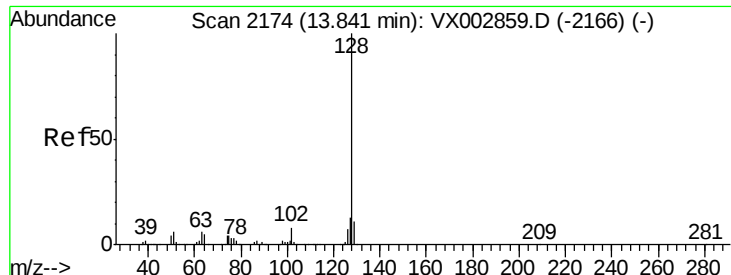
Abundance

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: 3.85 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX002911.D

Acq: 26 Jun 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

WP021SB488-29-31-180622

Tot Ion:128 Resp: 52851

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 11.5 8.6 13.0

