

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004371.D
 Acq On : 05 Sep 2018 15:31
 Operator : JC/MD
 Sample : J4794-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180904

Quant Time: Sep 06 01:35:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	321447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	488298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290425	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	211115	50.39	ug/l	0.00
Spiked Amount						
			Recovery	=	100.78%	
35) Dibromofluoromethane	5.50	113	181335	48.31	ug/l	0.00
Spiked Amount						
			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	708156	49.98	ug/l	0.00
Spiked Amount						
			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	269207	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	

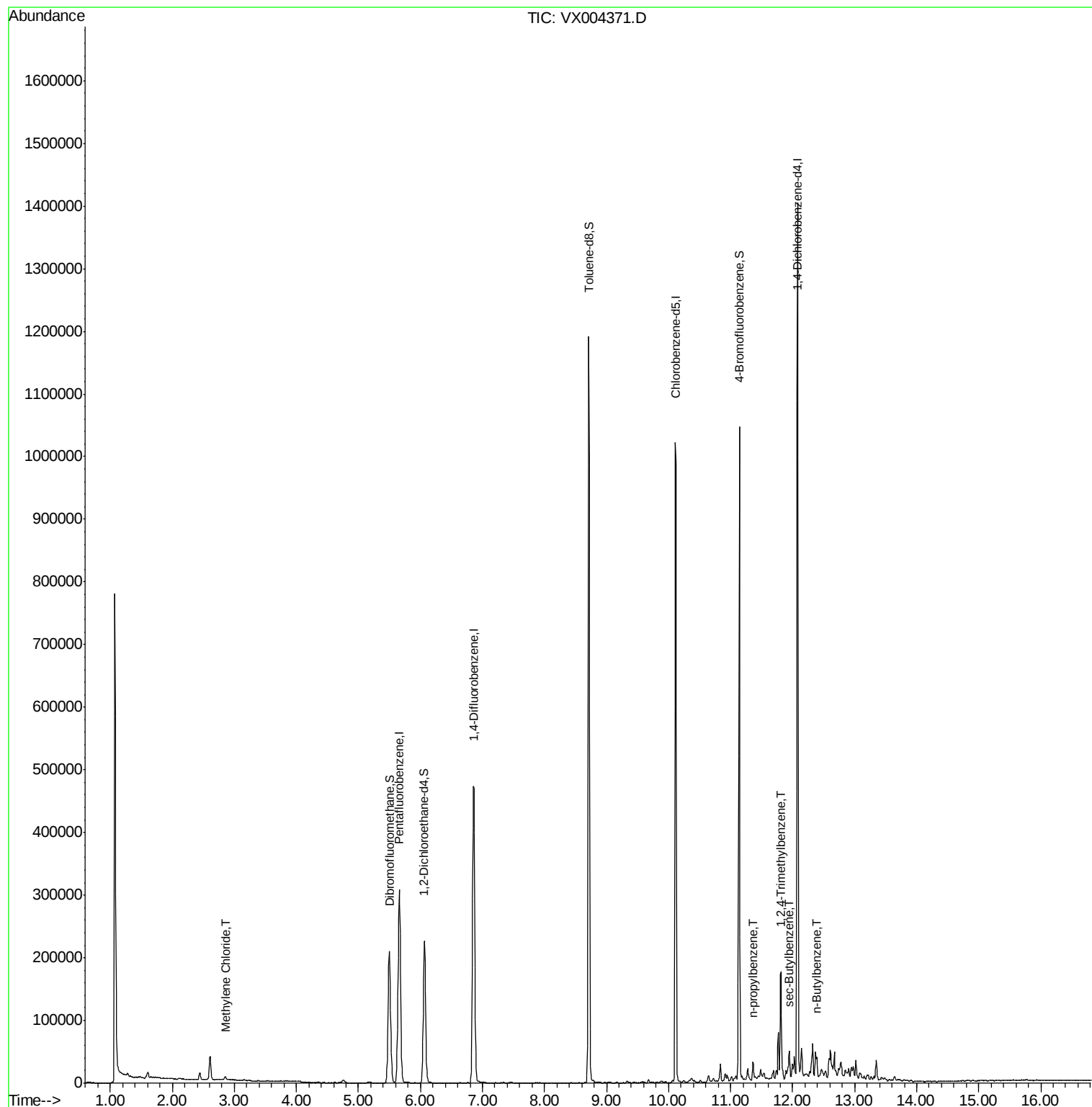
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.86	84	2208	0.55	ug/l	95
78) n-propylbenzene	11.36	91	16008	0.73	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	74697	4.61	ug/l	99
85) sec-Butylbenzene	11.95	105	11023	0.58	ug/l	98
89) n-Butylbenzene	12.39	91	11870	0.86	ug/l #	82

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

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QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

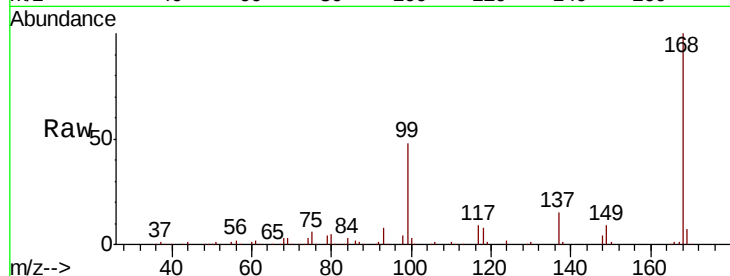
TB-01-180904

Tot Ion:168 Resp: 321447

Ion Ratio Lower Upper

168 100

99 47.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

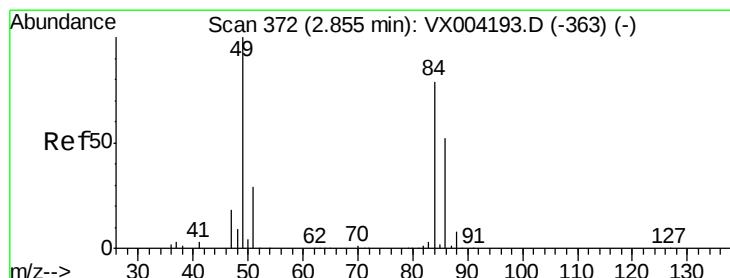
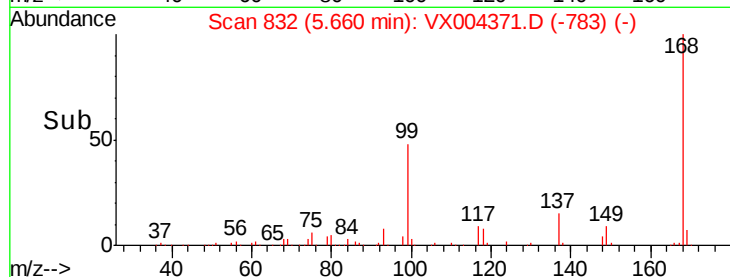
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#20

Methylene Chloride

Concen: 0.55 ug/l

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

Tgt Ion: 84 Resp: 2208

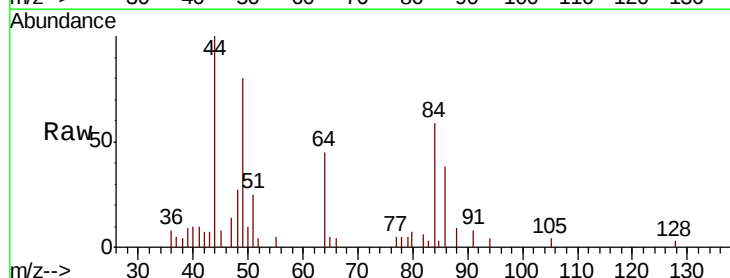
Ion Ratio Lower Upper

84 100

49 134.3 101.2 151.8

51 36.3 29.5 44.3

86 63.5 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2000

1500

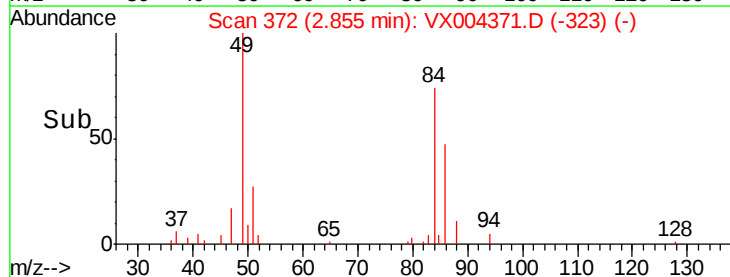
1000

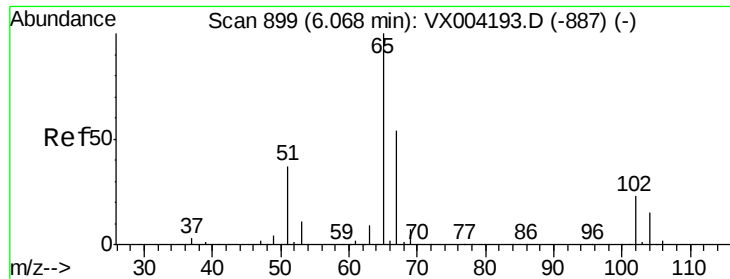
500

0

Time-->

2.80 2.85 2.90 2.95





#33

1,2-Dichloroethane-d4

Concen: 50.39 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

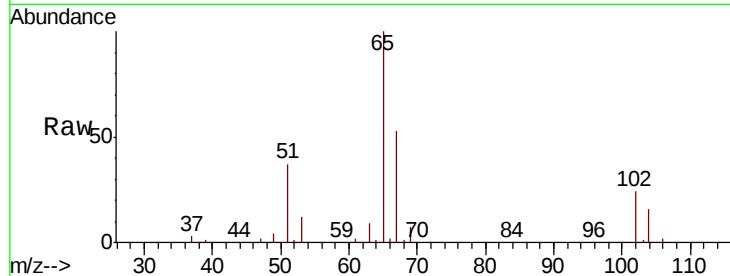
TB-01-180904

Tot Ion: 65 Resp: 211115

Ion Ratio Lower Upper

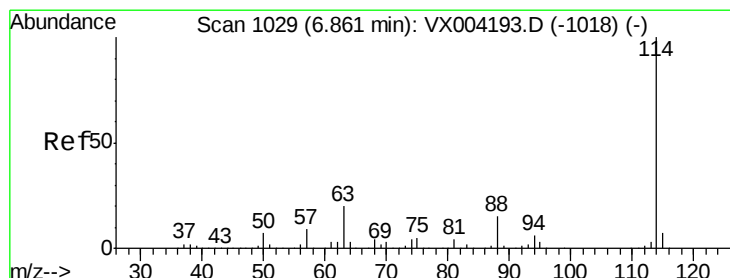
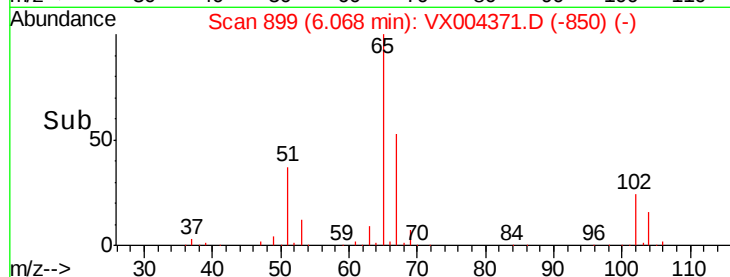
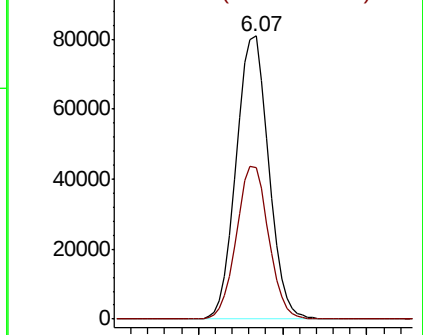
65 100

67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

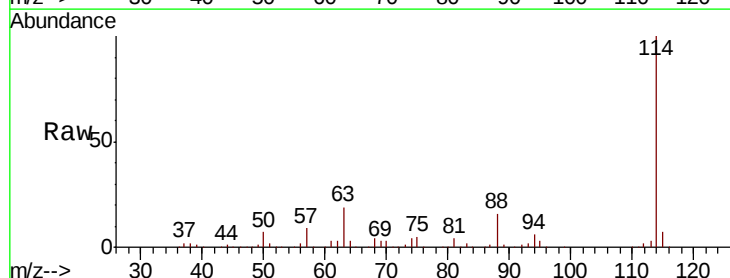
Tgt Ion: 114 Resp: 504575

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

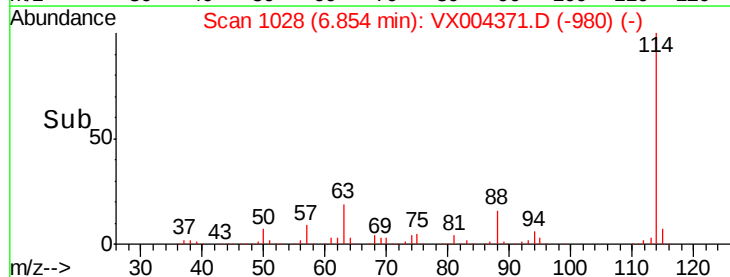
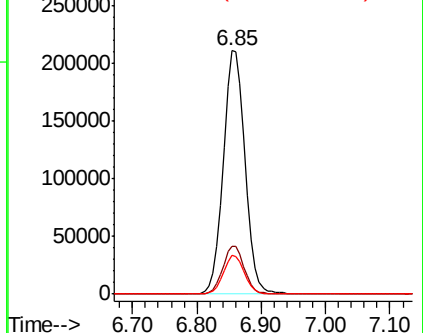
88 15.7 0.0 30.4

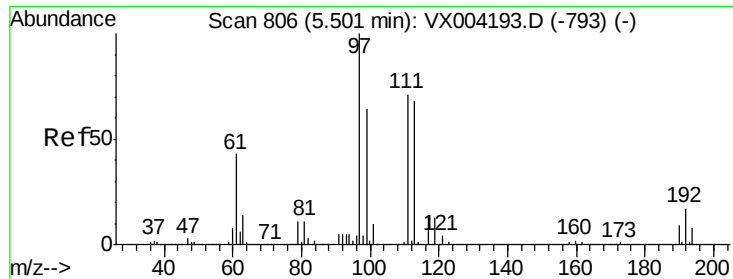


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

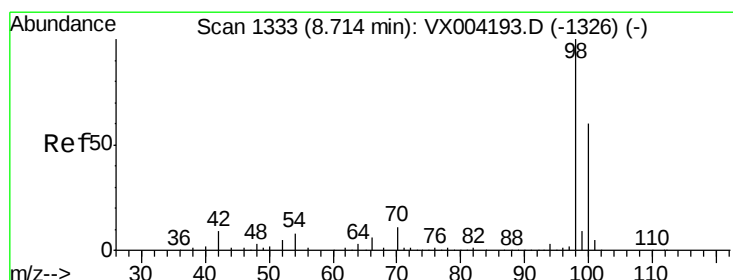
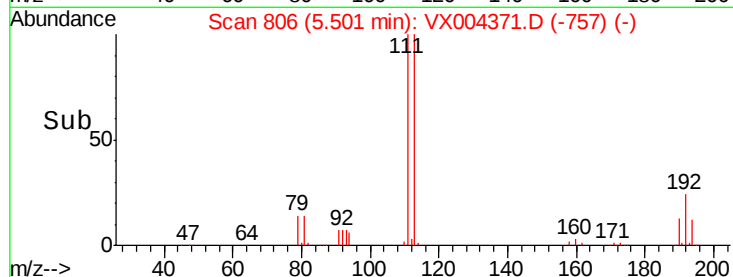
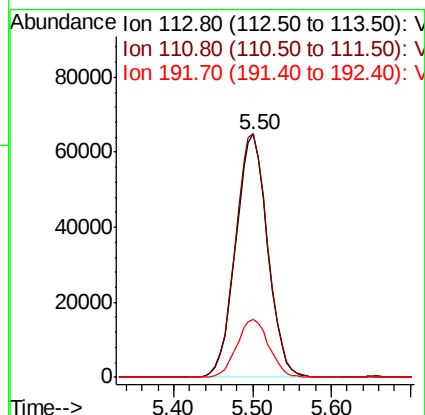
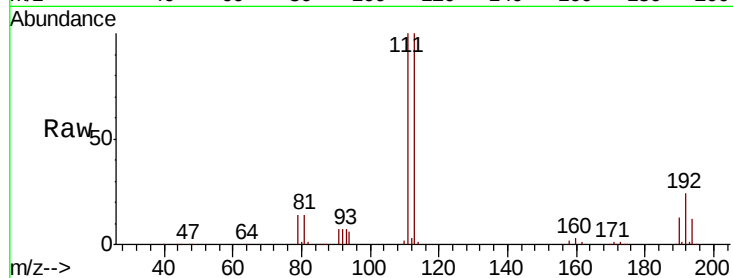




#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004371.D
 Acq: 05 Sep 2018 15:31

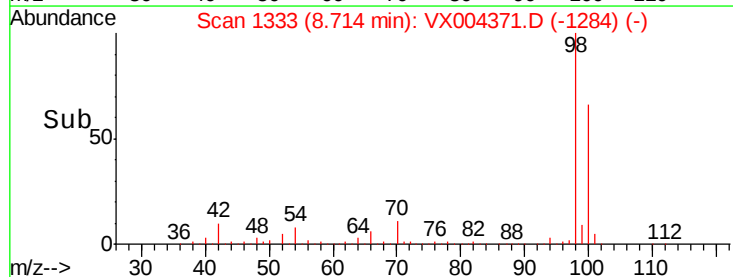
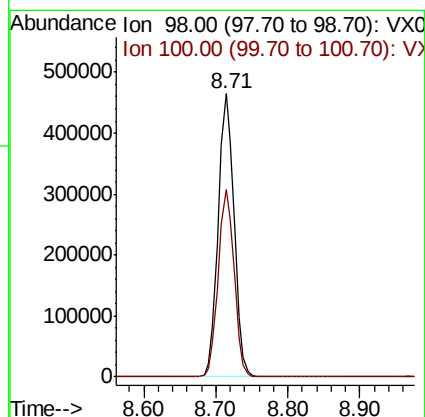
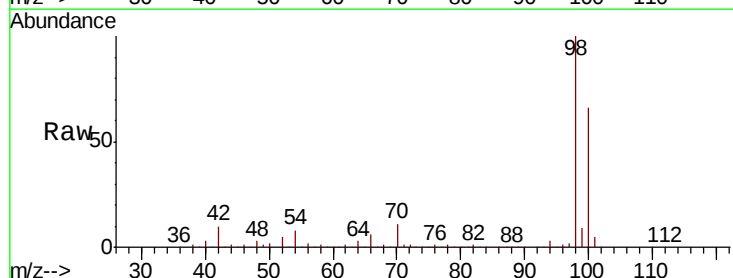
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180904

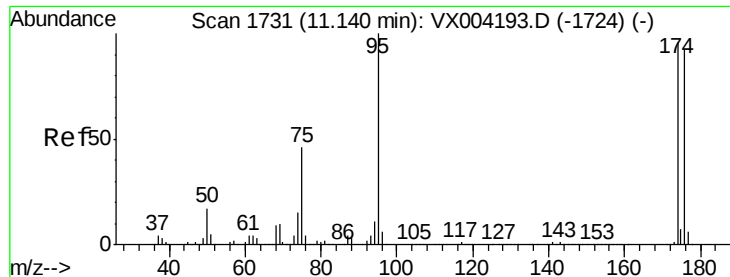
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	24.3	19.4	29.2



#50
 Toluene-d8
 Concen: 49.98 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VX004371.D
 Acq: 05 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3

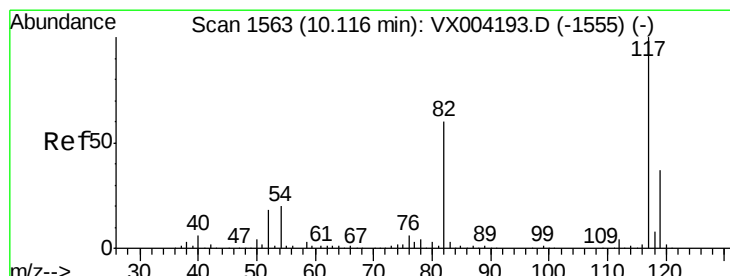
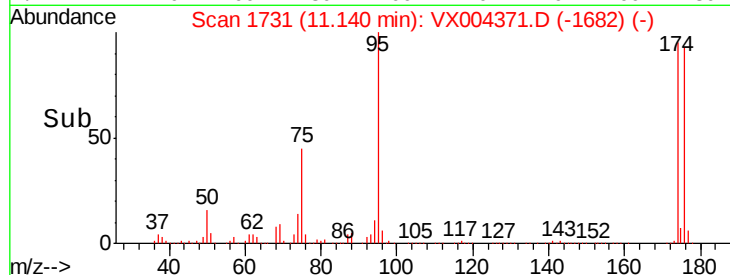
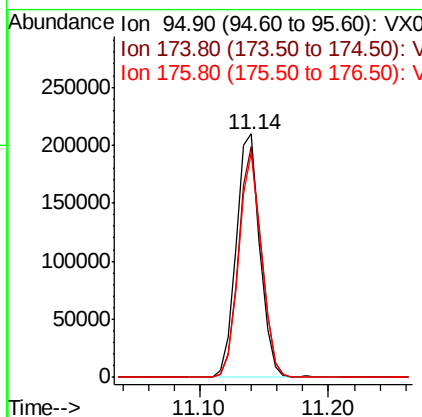
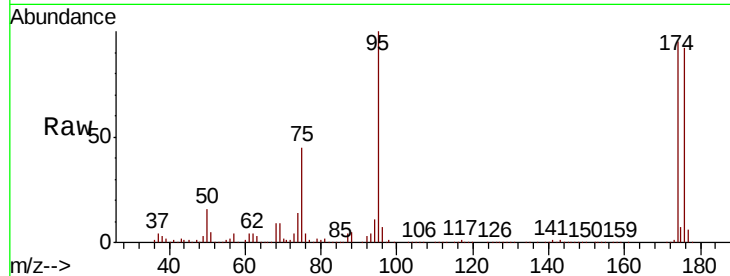




#62
4-Bromofluorobenzene
Concen: 50.92 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX004371.D
Acq: 05 Sep 2018 15:31

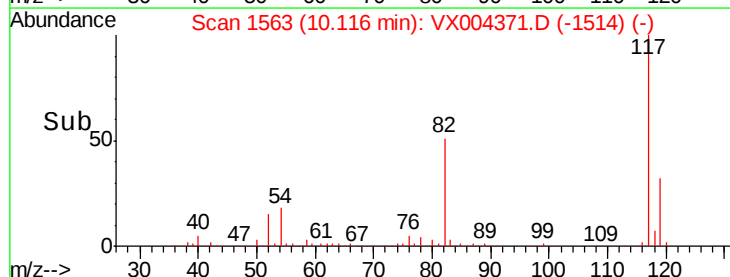
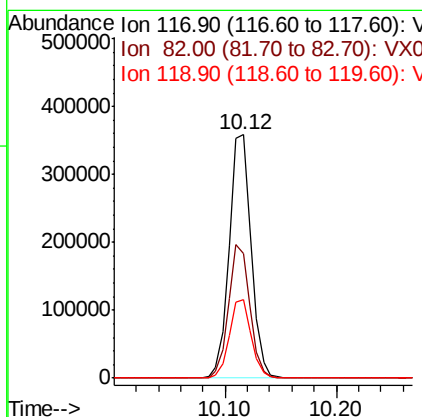
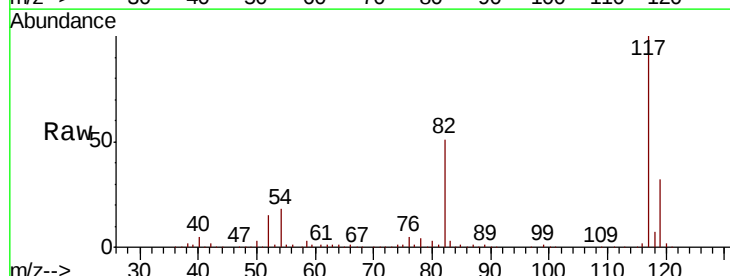
Instrument :
MSVOA_X
ClientSampleId :
TB-01-180904

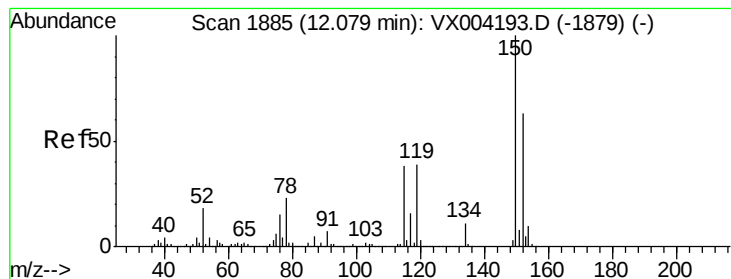
Tot Ion: 95 Resp: 269207
Ion Ratio Lower Upper
95 100
174 91.3 0.0 185.2
176 88.2 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004371.D
Acq: 05 Sep 2018 15:31

Tgt Ion: 117 Resp: 488298
Ion Ratio Lower Upper
117 100
82 51.1 47.8 71.6
119 32.2 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

TB-01-180904

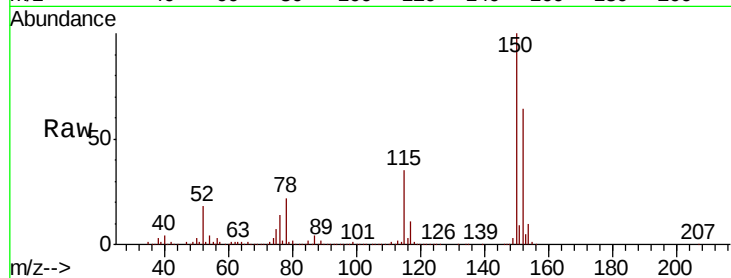
Tot Ion:152 Resp: 290425

Ion Ratio Lower Upper

152 100

115 54.2 39.0 117.0

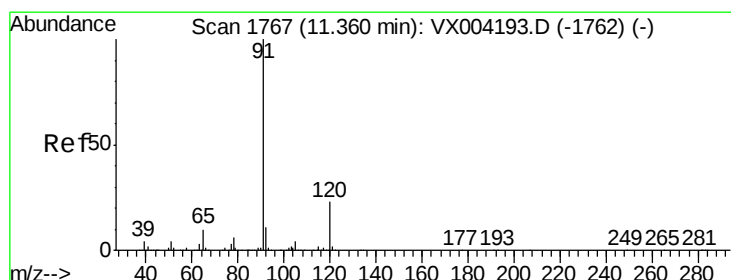
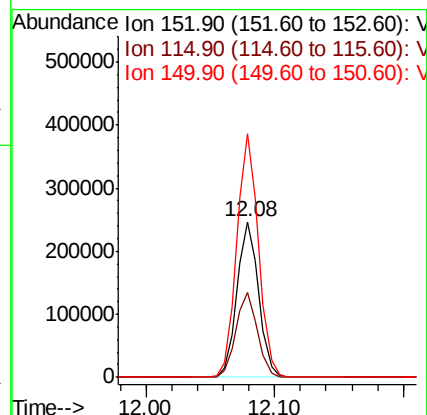
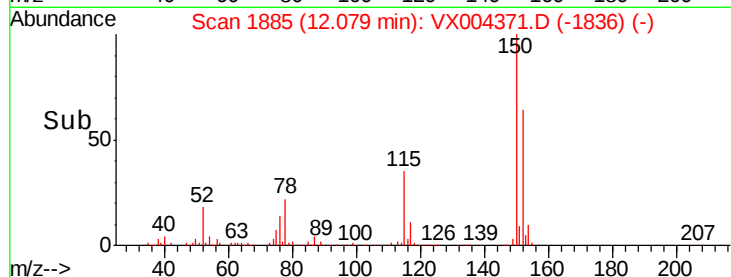
150 157.0 0.0 351.0



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



#78

n-propylbenzene

Concen: 0.73 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004371.D

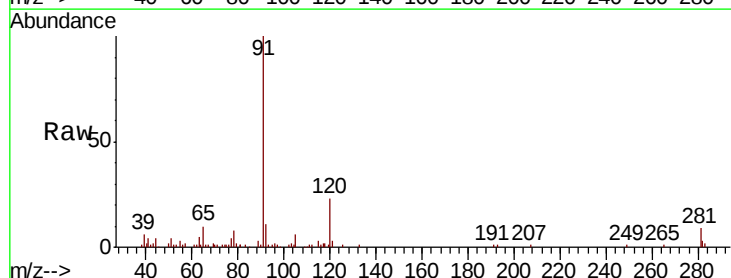
Acq: 05 Sep 2018 15:31

Tgt Ion: 91 Resp: 16008

Ion Ratio Lower Upper

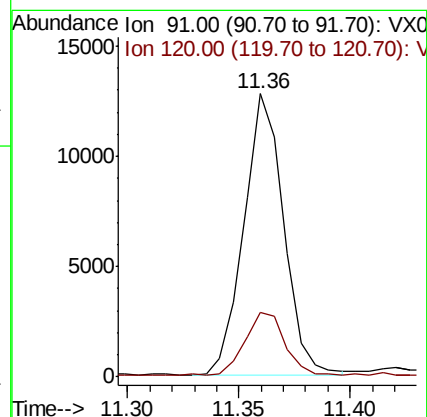
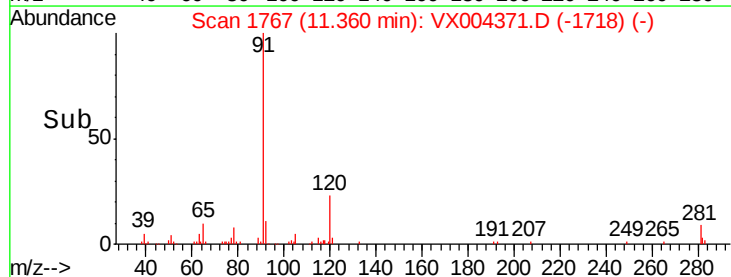
91 100

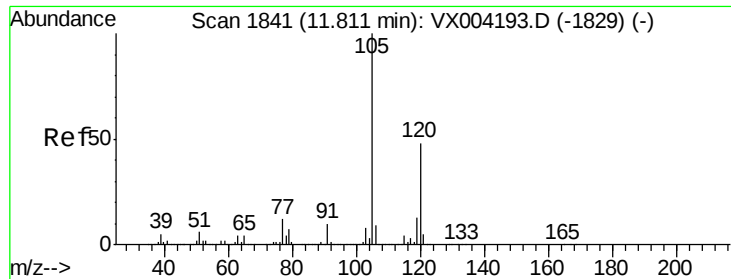
120 24.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 4.61 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

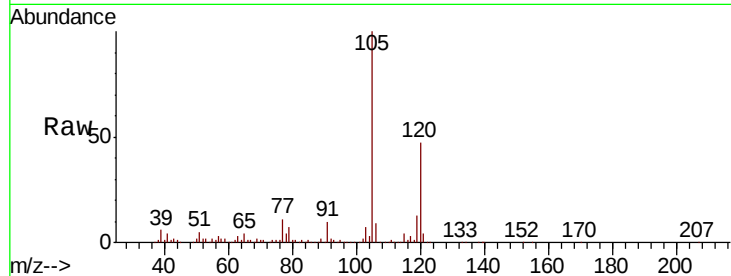
TB-01-180904

Tot Ion:105 Resp: 74697

Ion Ratio Lower Upper

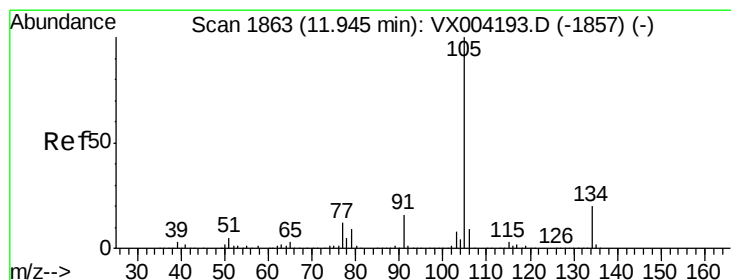
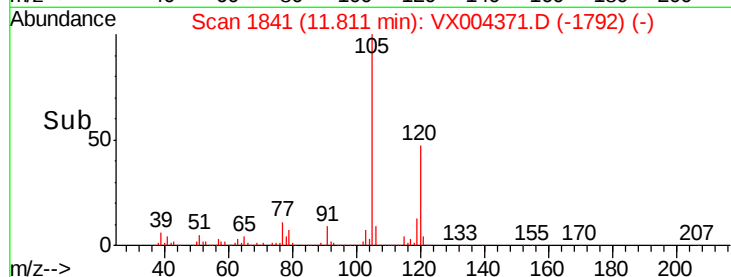
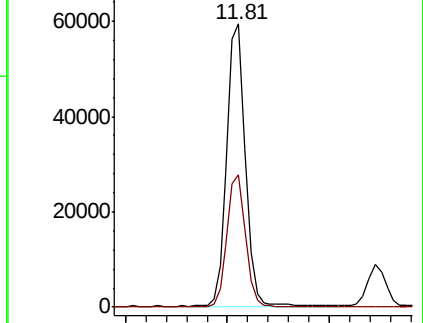
105 100

120 47.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.58 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004371.D

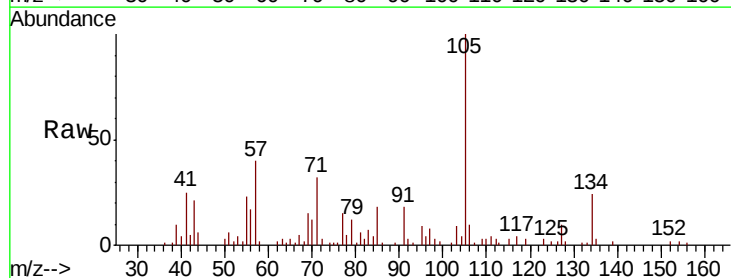
Acq: 05 Sep 2018 15:31

Tgt Ion:105 Resp: 11023

Ion Ratio Lower Upper

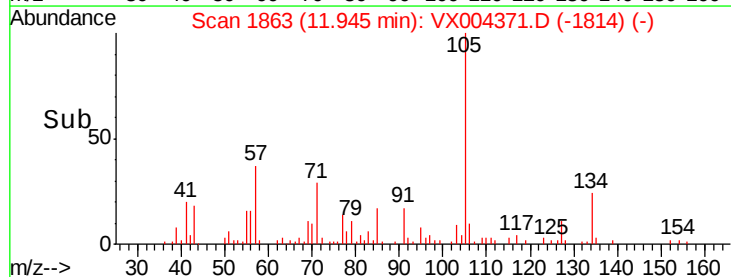
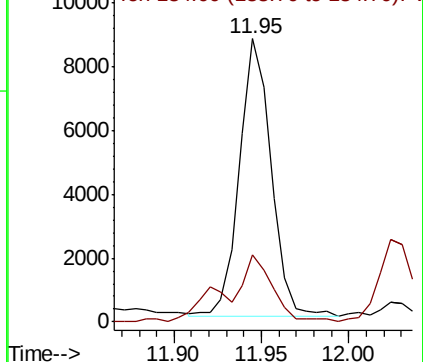
105 100

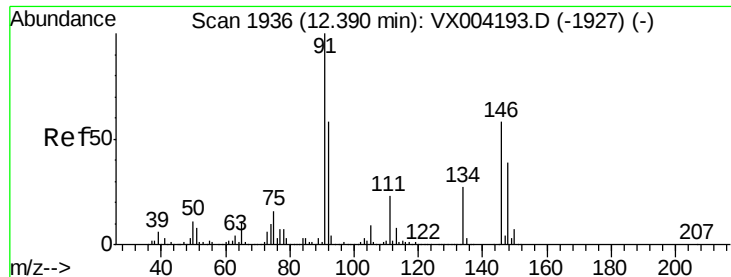
134 22.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.86 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX004371.D

Acq: 05 Sep 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180904

Tot Ion: 91 Resp: 11870

Ion Ratio Lower Upper

91 100

92 54.0 27.3 81.9

134 0.0 13.6 40.7#

