

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
 Data File : VX005693.D
 Acq On : 30 Oct 2018 15:54
 Operator : JC/MD
 Sample : PB114242ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Quant Time: Oct 31 01:47:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	142096	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.51	113	108743	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
50) Toluene-d8	8.71	98	396103	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.14	95	132895	41.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.46%	

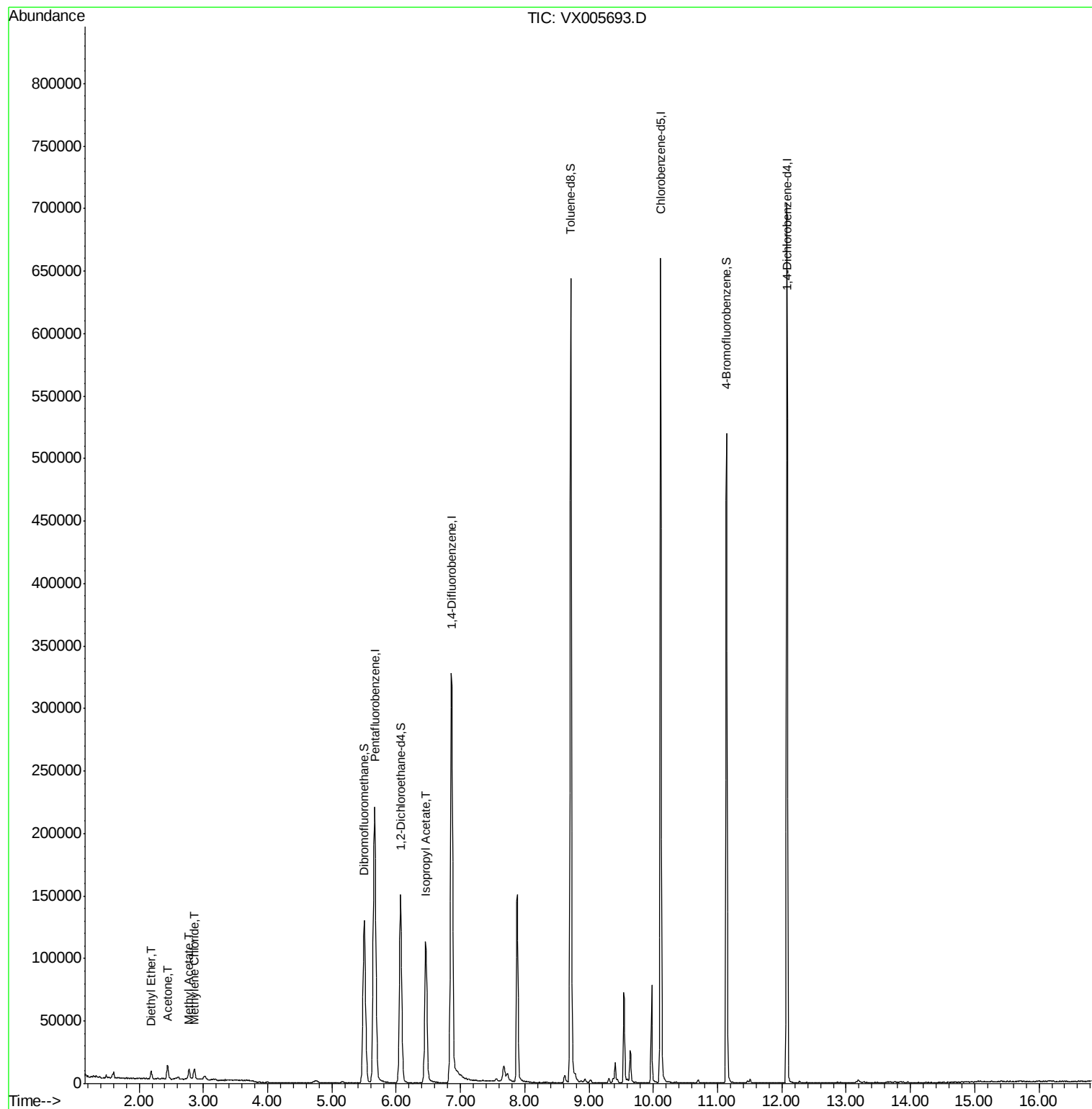
Target Compounds						Qvalue
8) Diethyl Ether	2.19	74	2166	1.36	ug/l	96
16) Acetone	2.44	43	11749	7.86	ug/l	100
18) Methyl Acetate	2.78	43	9557	1.16	ug/l	96
20) Methylene Chloride	2.85	84	3728	1.49	ug/l	92
43) Isopropyl Acetate	6.46	43	155176	24.12	ug/l	99

(#) = 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# 741

Delta R.T. 0.01 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

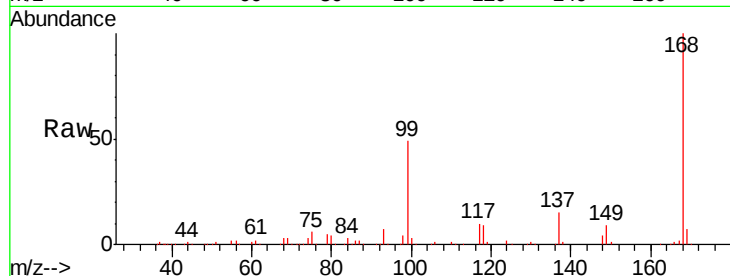
PB114242ZHE#04

Tgt Ion:168 Resp: 231677

Ion Ratio Lower Upper

168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

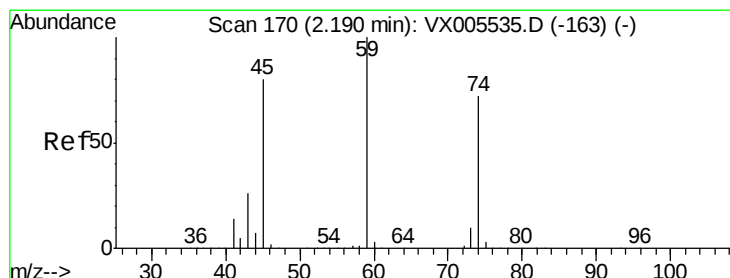
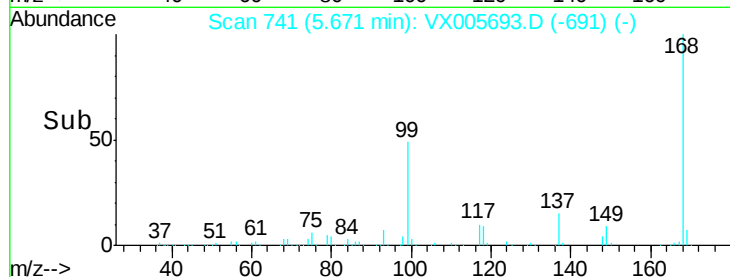
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.36 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005693.D

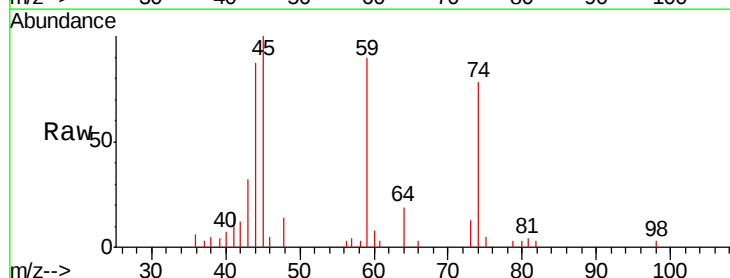
Acq: 30 Oct 2018 15:54

Tgt Ion: 74 Resp: 2166

Ion Ratio Lower Upper

74 100

45 112.0 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

2000

1500

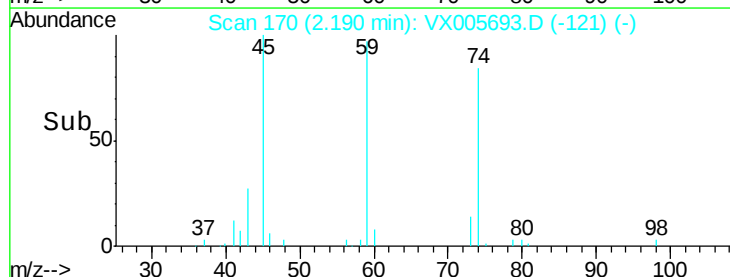
1000

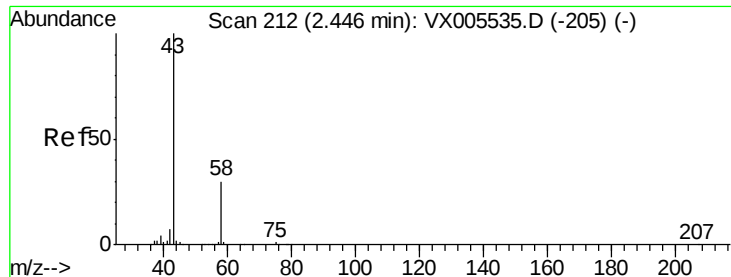
500

0

Time-->

2.15 2.20 2.25





#16

Acetone

Concen: 7.86 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

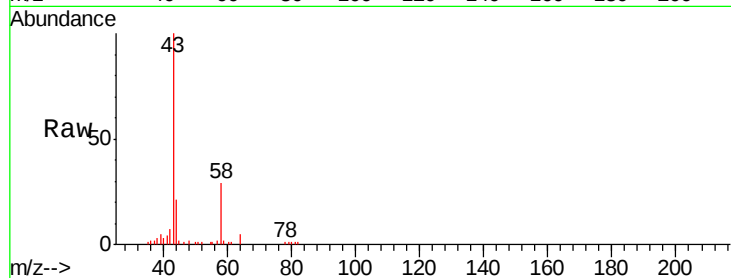
PB114242ZHE#04

Tgt Ion: 43 Resp: 11749

Ion Ratio Lower Upper

43 100

58 29.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

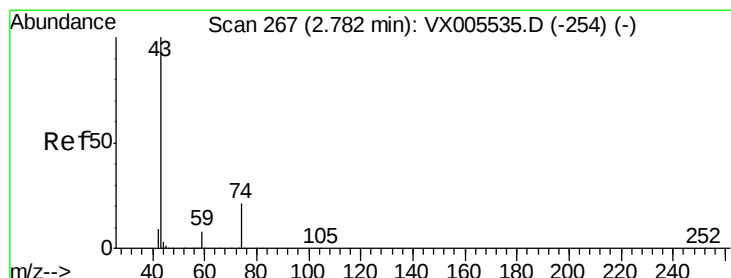
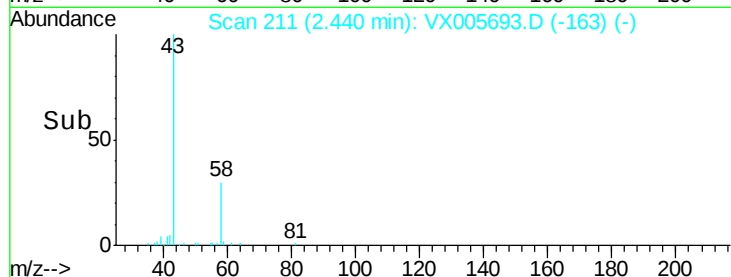
6000

4000

2000

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 1.16 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005693.D

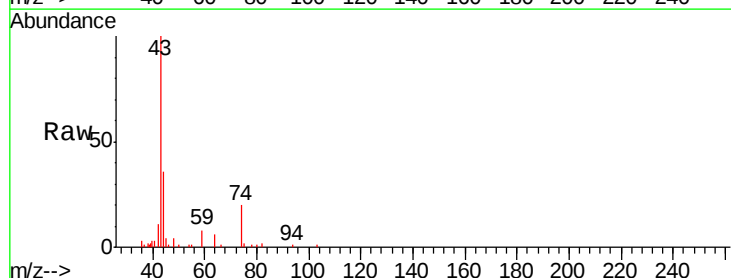
Acq: 30 Oct 2018 15:54

Tgt Ion: 43 Resp: 9557

Ion Ratio Lower Upper

43 100

74 23.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

6000

5000

4000

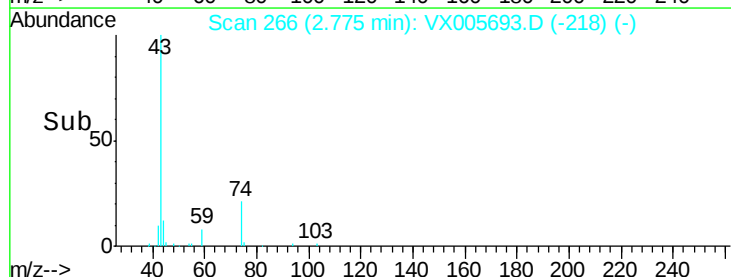
3000

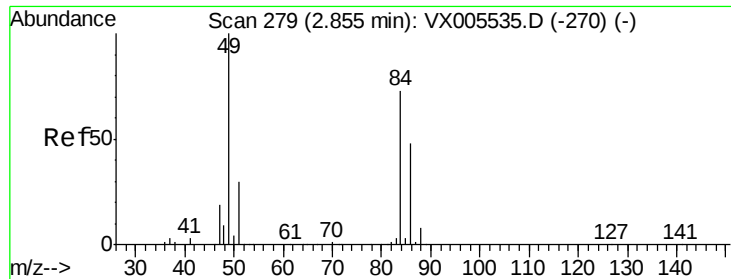
2000

1000

0

Time--> 2.70 2.75 2.80 2.85

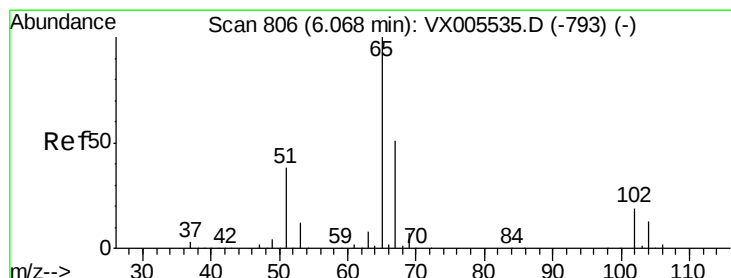
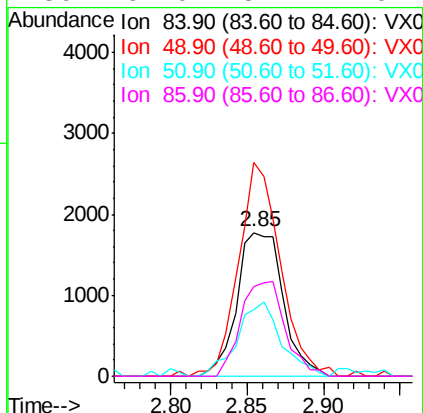
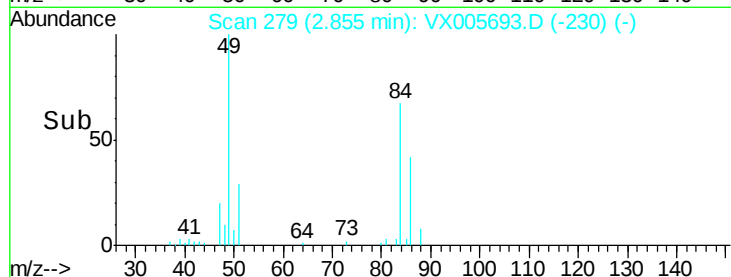
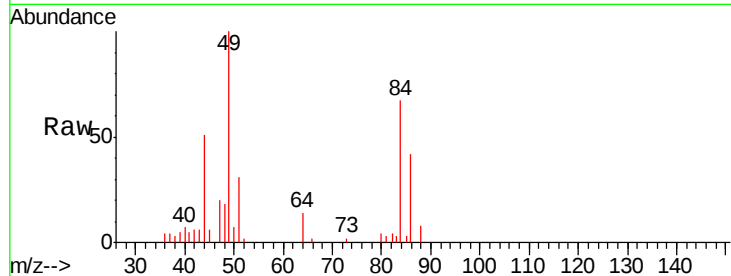




#20
Methylene Chloride
Concen: 1.49 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

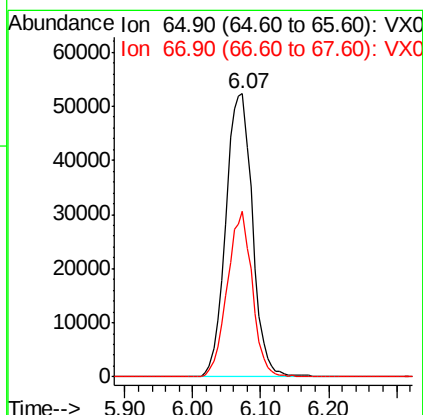
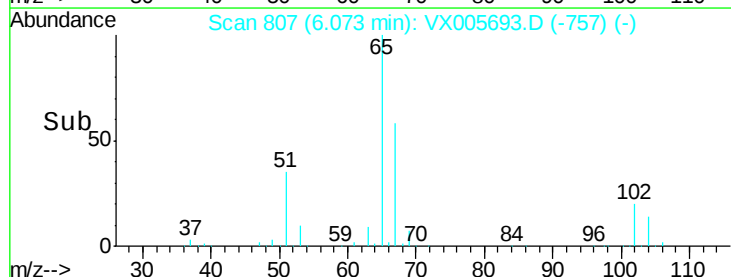
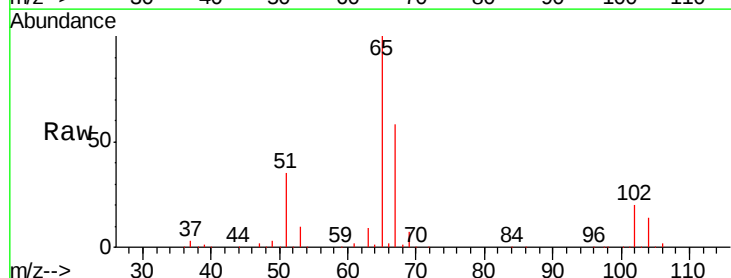
Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#04

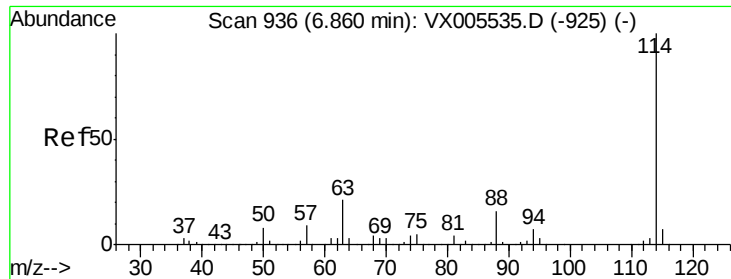
Tgt Ion: 84 Resp: 3728
Ion Ratio Lower Upper
84 100
49 148.4 109.5 164.3
51 46.5 33.3 49.9
86 62.0 52.7 79.1



#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

Tgt Ion: 65 Resp: 142096
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.0

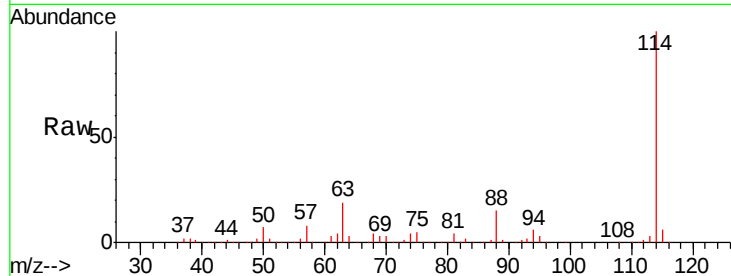




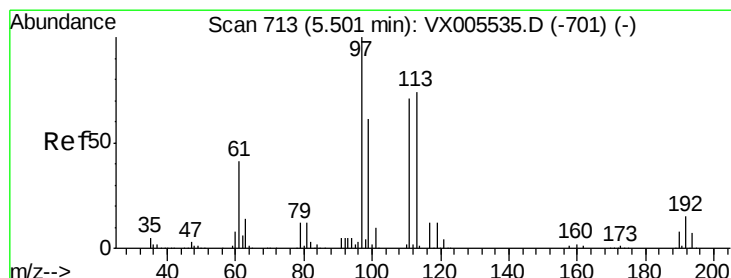
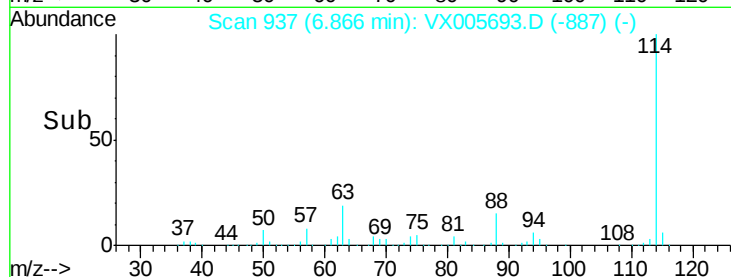
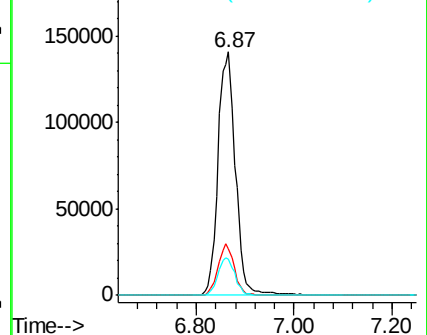
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Tgt Ion:114 Resp: 346627
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.8
 88 14.7 0.0 31.2

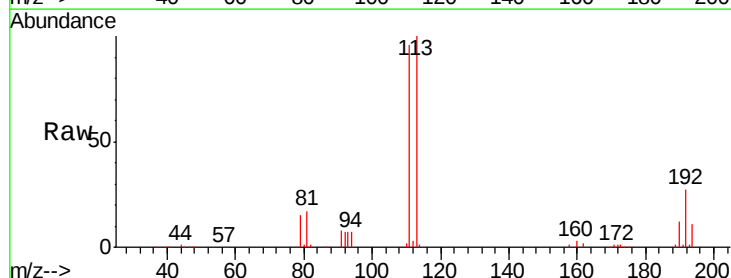


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

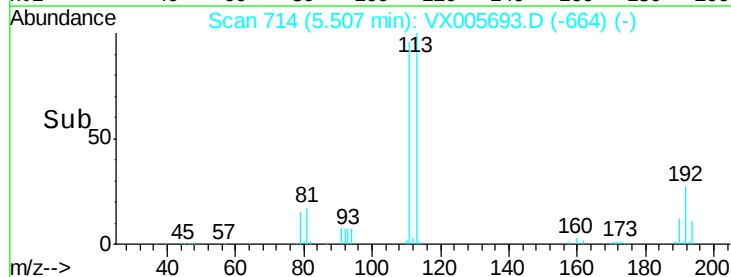
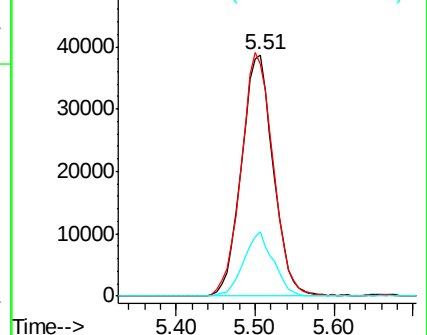


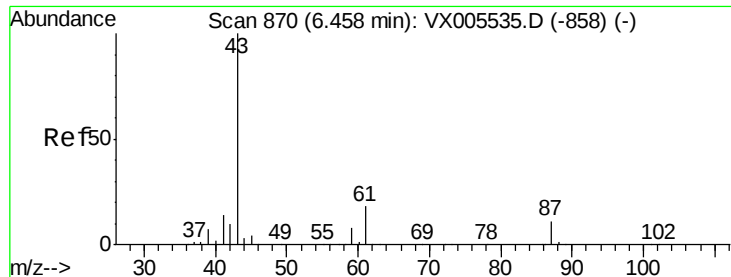
#35
 Dibromofluoromethane
 Concen: 46.33 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Tgt Ion:113 Resp: 108743
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.3 123.5
 192 24.6 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 24.12 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

PB114242ZHE#04

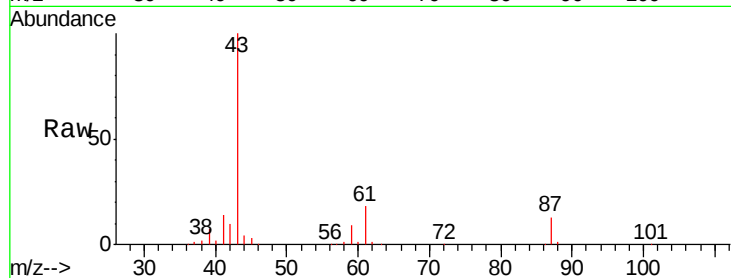
Tgt Ion: 43 Resp: 155176

Ion Ratio Lower Upper

43 100

61 18.6 14.6 22.0

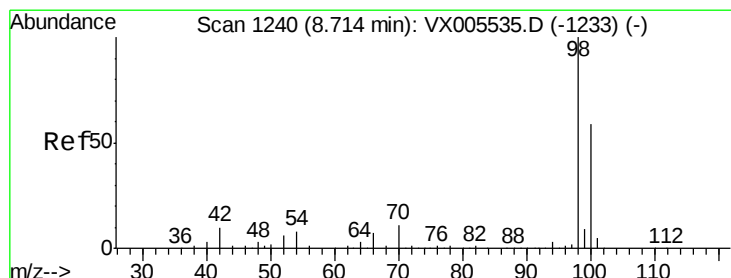
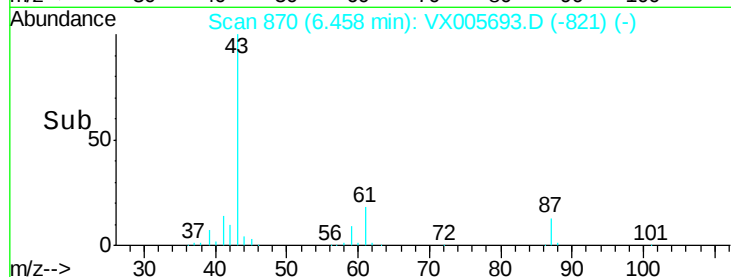
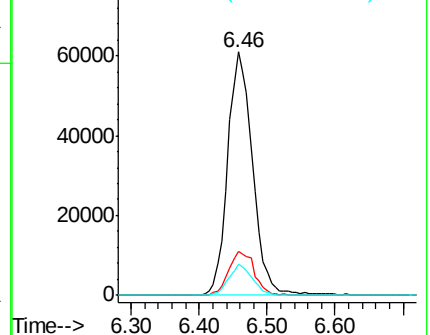
87 12.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 46.97 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005693.D

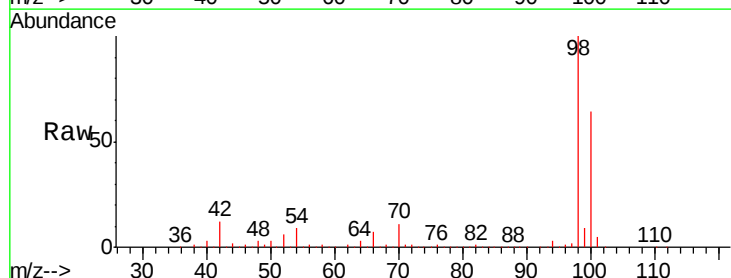
Acq: 30 Oct 2018 15:54

Tgt Ion: 98 Resp: 396103

Ion Ratio Lower Upper

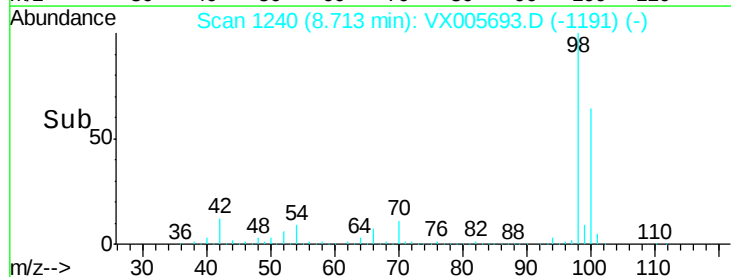
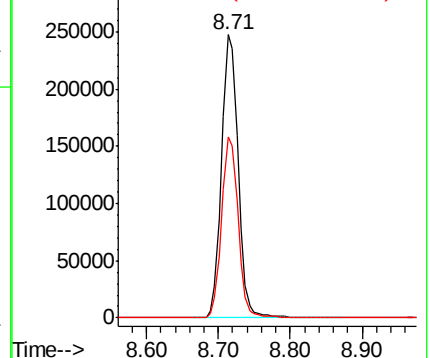
98 100

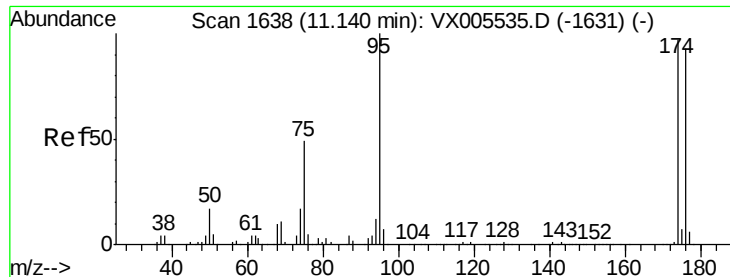
100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

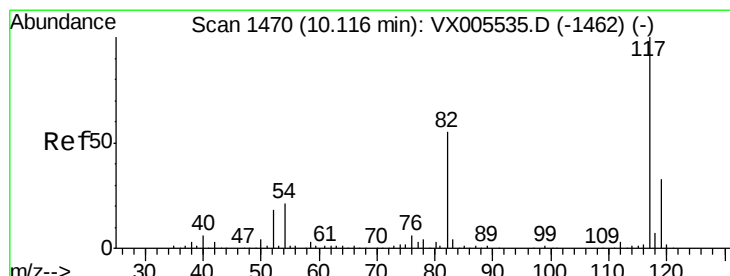
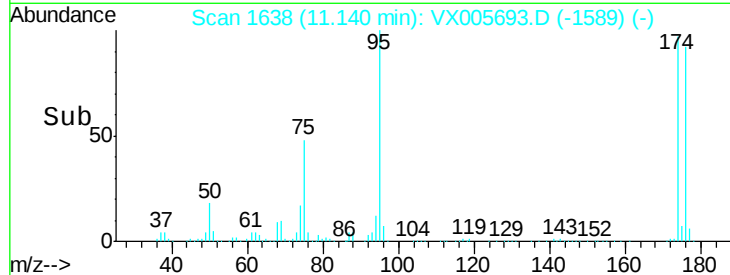
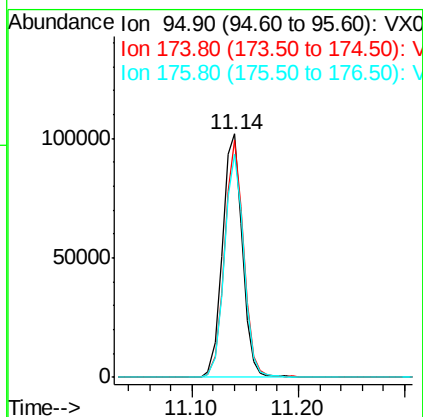
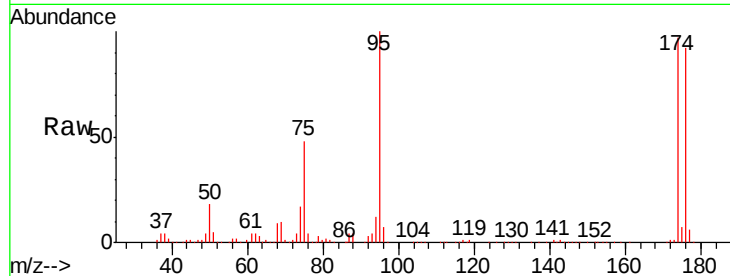




#62
4-Bromofluorobenzene
Concen: 41.73 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

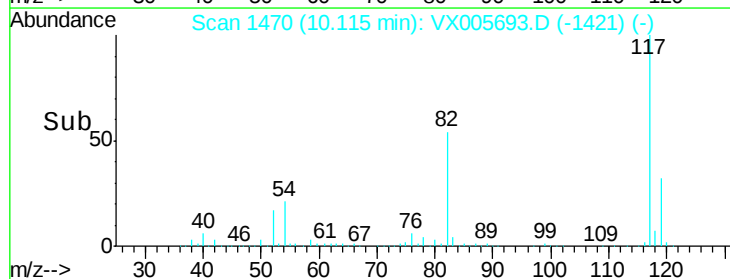
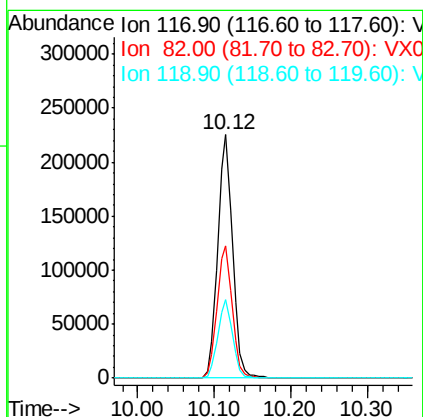
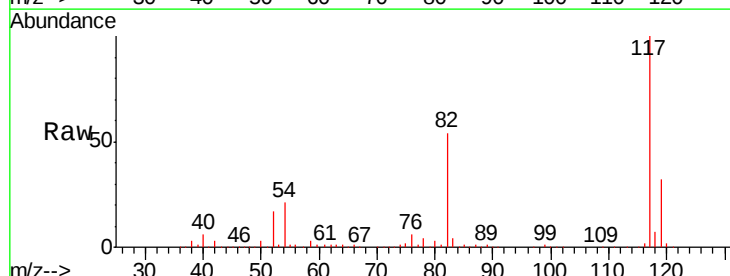
Instrument :
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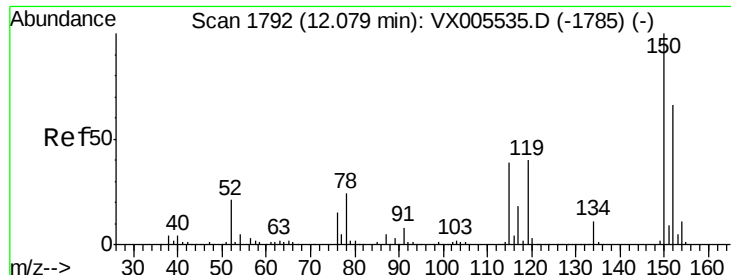
Tgt Ion: 95 Resp: 132895
Ion Ratio Lower Upper
95 100
174 94.1 0.0 184.4
176 89.8 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

Tgt Ion: 117 Resp: 303423
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.4 26.2 39.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.4	118.1
150	157.9	0.0	346.4

