

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX052219\
 Data File : VX009832.D
 Acq On : 23 May 2019 03:14
 Operator : JC/SP
 Sample : K2976-13 50X
 Misc : 6.02g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-HR(14-17)

Quant Time: May 31 22:57:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

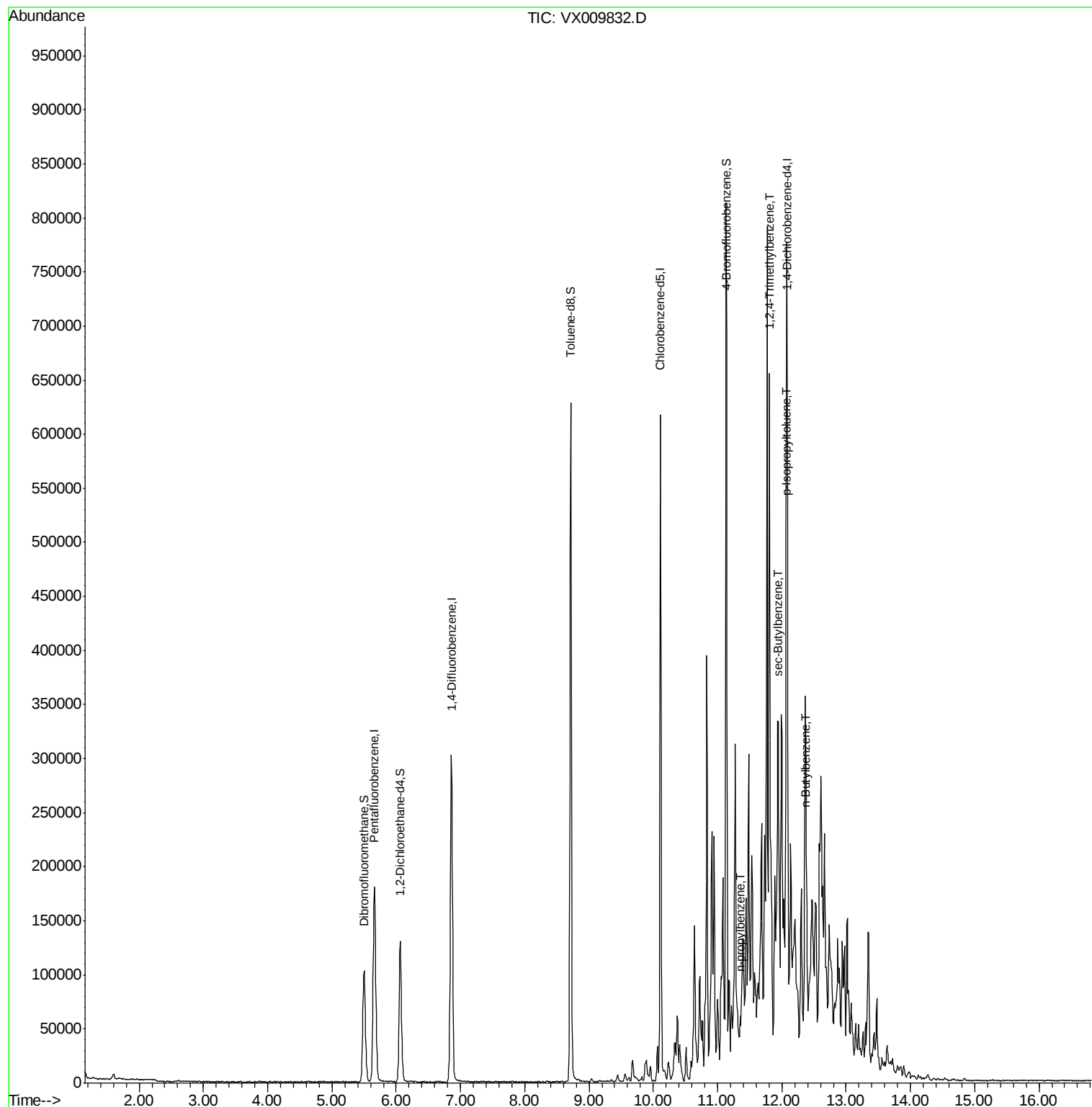
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	292259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	123523	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
35) Dibromofluoromethane	5.50	113	88615	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.46%	
50) Toluene-d8	8.71	98	367929	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	138436	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
Target Compounds						
78) n-propylbenzene	11.36	91	12605	1.138	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	193912	23.663	ug/l	99
85) sec-Butylbenzene	11.94	105	26152	2.777	ug/l	96
86) p-Isopropyltoluene	12.06	119	36884	4.357	ug/l	98
89) n-Butylbenzene	12.38	91	30438	3.978	ug/l #	68

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

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EP1-SB-MW-HR(14-17)

Quant Time: May 31 22:57:24 2019
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

Instrument :

MSVOA_X

ClientSampleId :

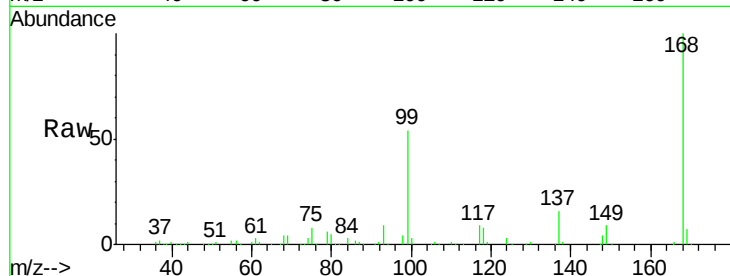
EP1-SB-MW-HR(14-17)

Tot Ion:168 Resp: 177476

Ion Ratio Lower Upper

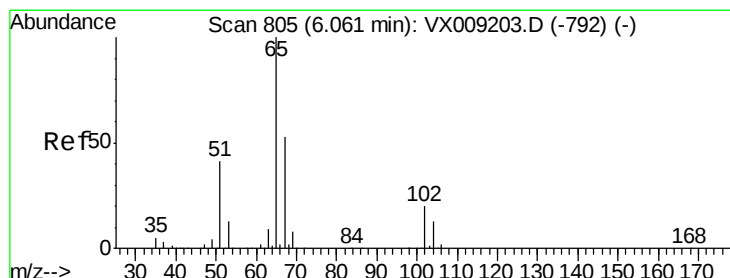
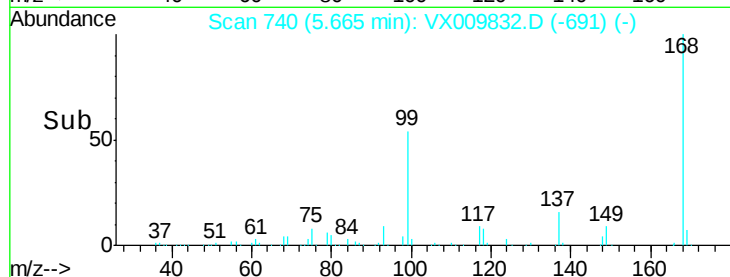
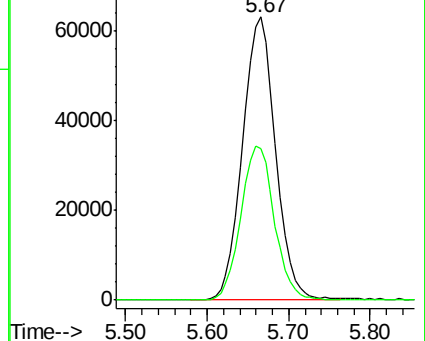
168 100

99 53.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.984 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009832.D

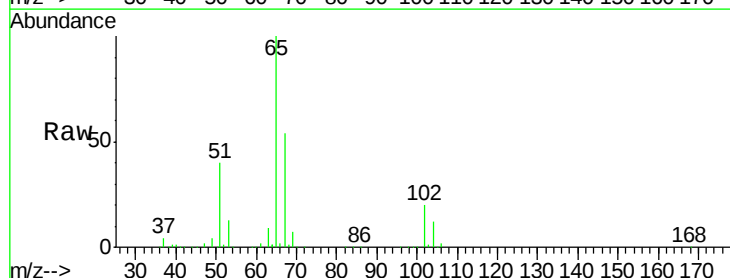
Acq: 23 May 2019 03:14

Tgt Ion: 65 Resp: 123523

Ion Ratio Lower Upper

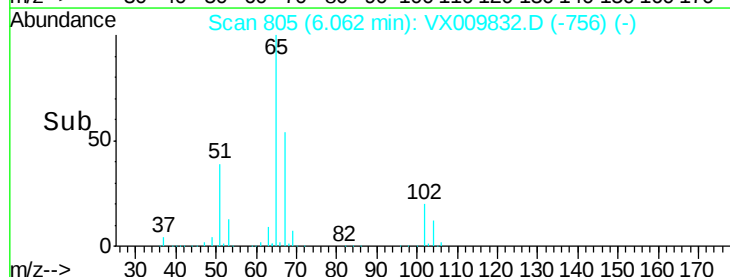
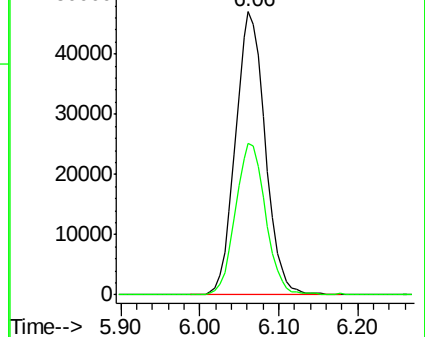
65 100

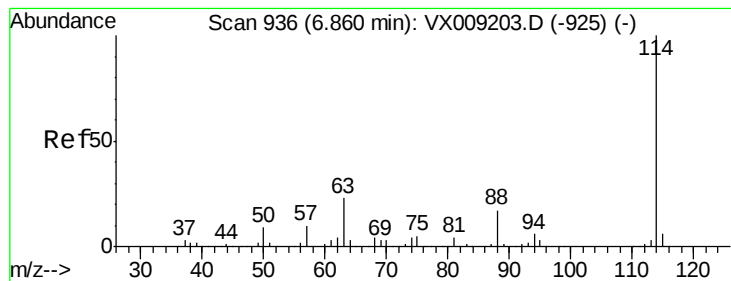
67 54.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-HR(14-17)

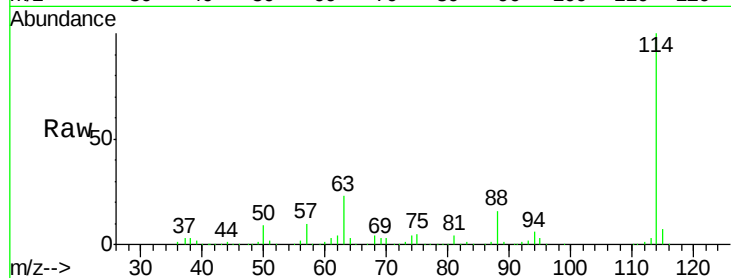
Tot Ion:114 Resp: 292259

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

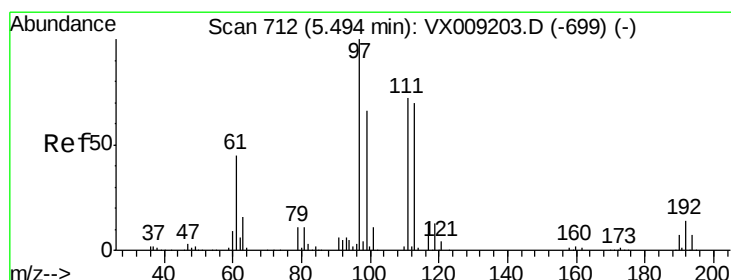
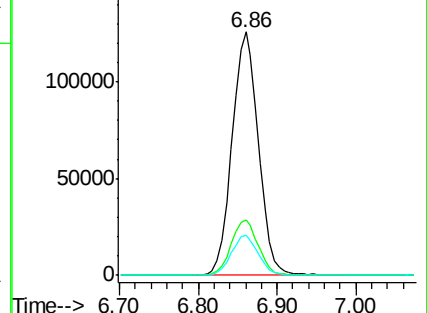
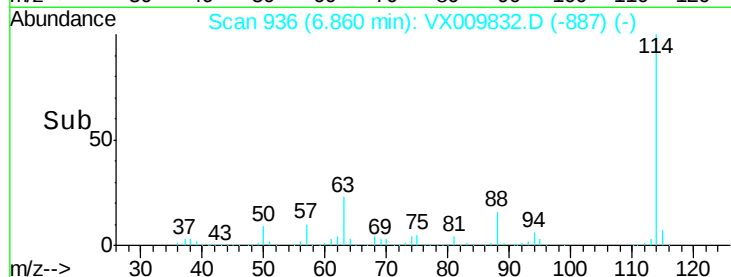
88 16.4 0.0 33.2



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: 48.232 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

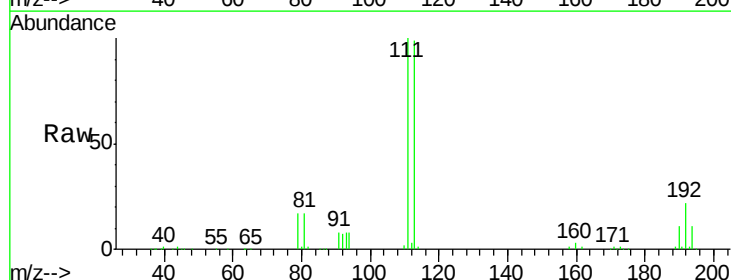
Tgt Ion:113 Resp: 88615

Ion Ratio Lower Upper

113 100

111 101.2 82.8 124.2

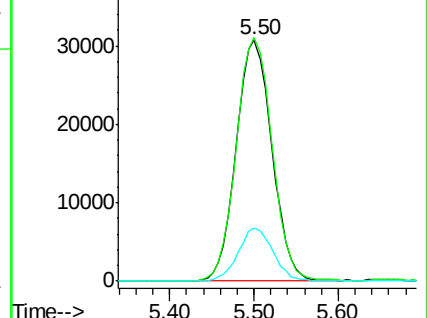
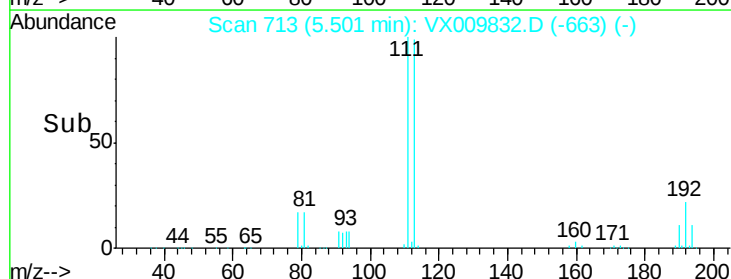
192 21.3 17.0 25.6

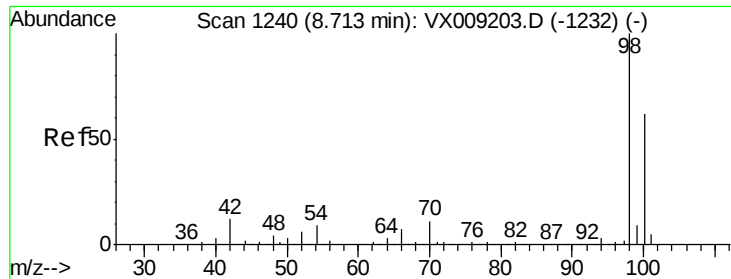


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.603 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

Instrument :

MSVOA_X

ClientSampleId :

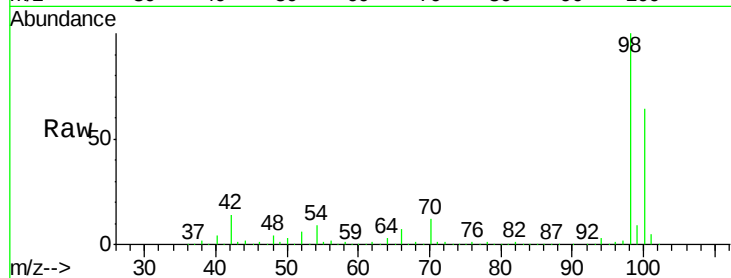
EP1-SB-MW-HR(14-17)

Tot Ion: 98 Resp: 367929

Ion Ratio Lower Upper

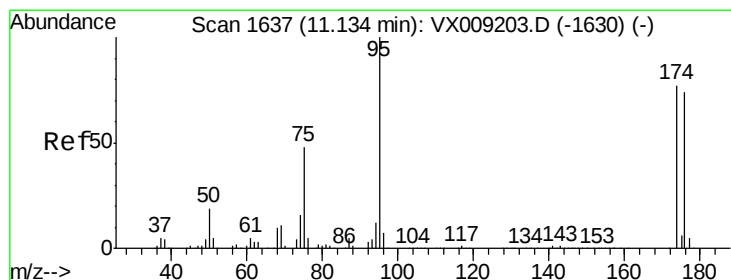
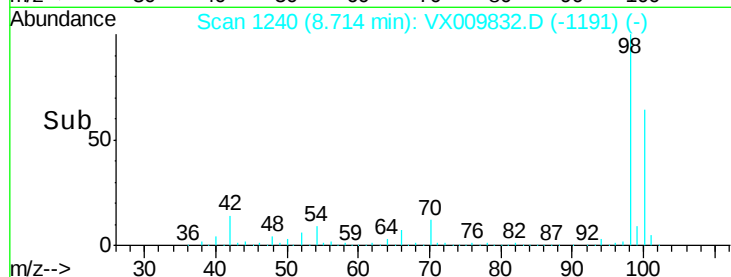
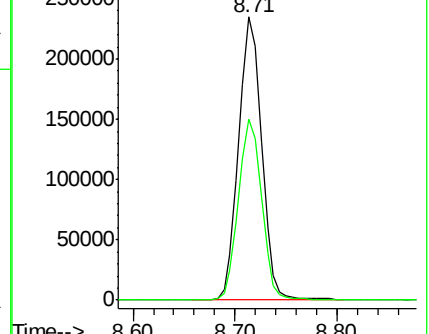
98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 51.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

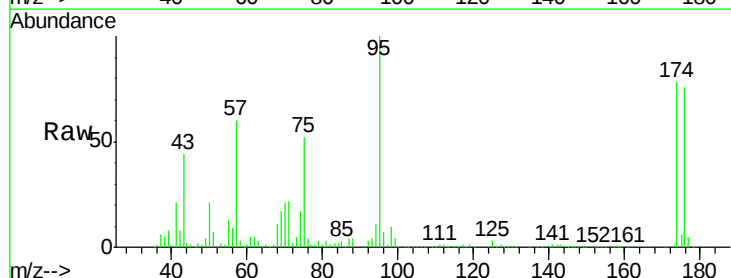
Tgt Ion: 95 Resp: 138436

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.6

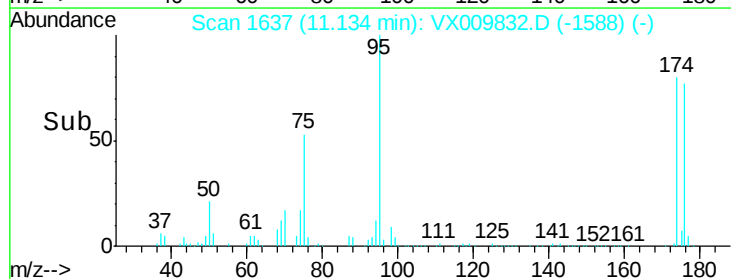
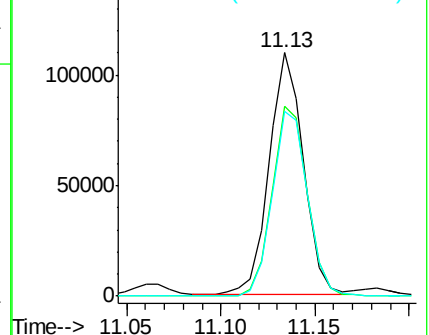
176 78.2 0.0 159.2

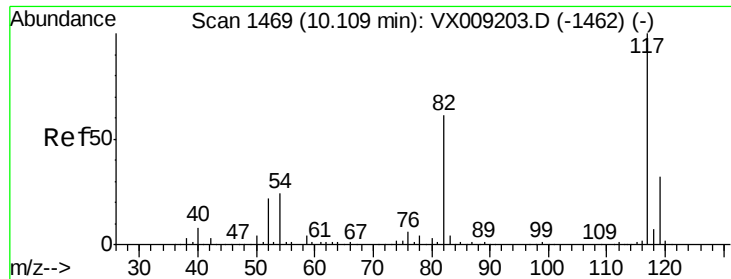


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

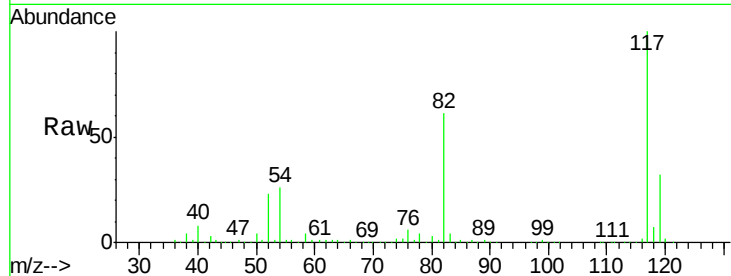




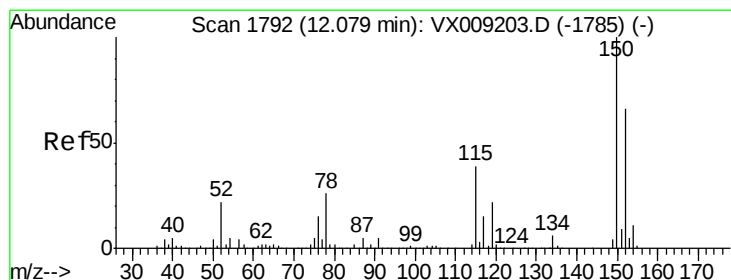
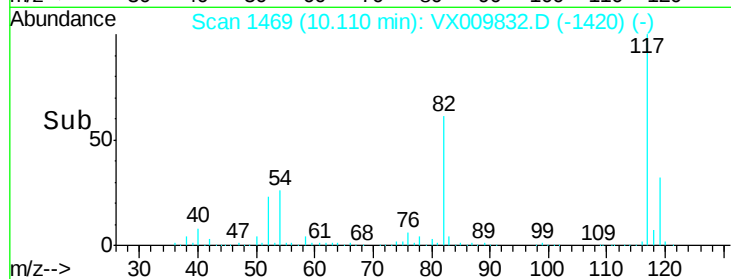
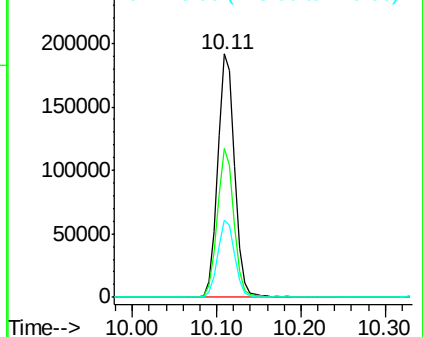
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009832.D
Acq: 23 May 2019 03:14

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-HR(14-17)

Tot Ion:117 Resp: 267062
Ion Ratio Lower Upper
117 100
82 61.3 48.8 73.2
119 31.7 25.8 38.6

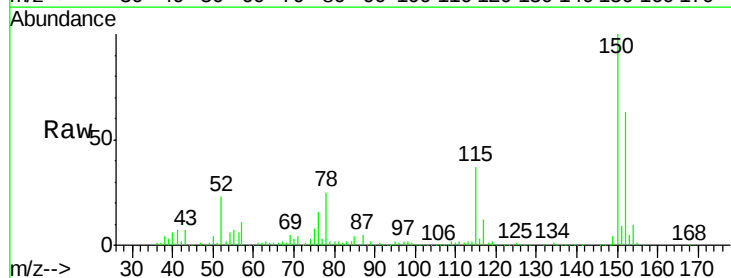


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

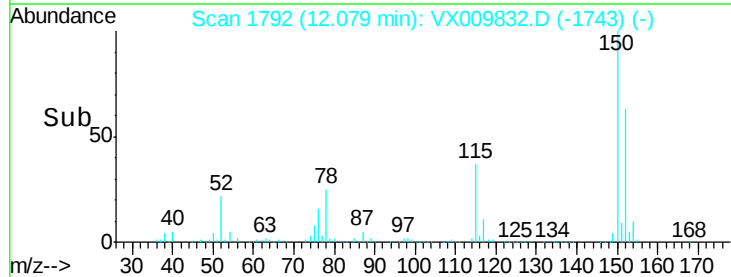
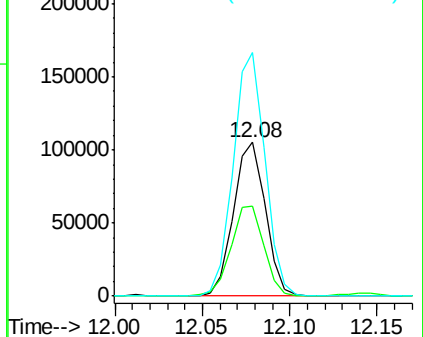


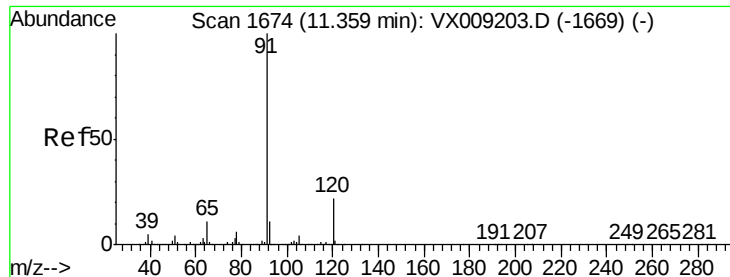
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009832.D
Acq: 23 May 2019 03:14

Tgt Ion:152 Resp: 133336
Ion Ratio Lower Upper
152 100
115 61.1 41.2 123.6
150 157.4 0.0 346.4



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: 1.138 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

Instrument :

MSVOA_X

ClientSampleId :

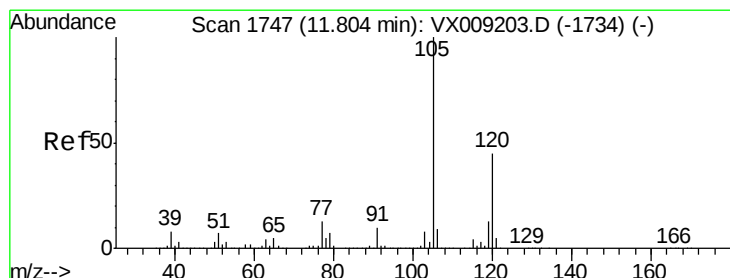
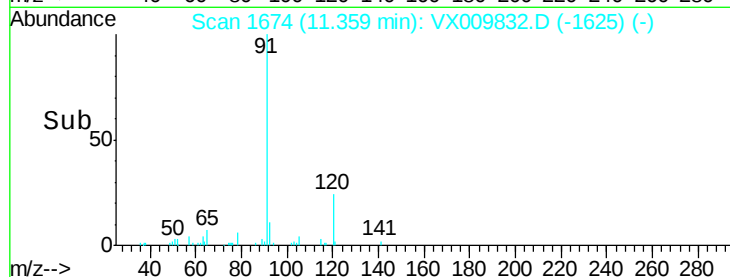
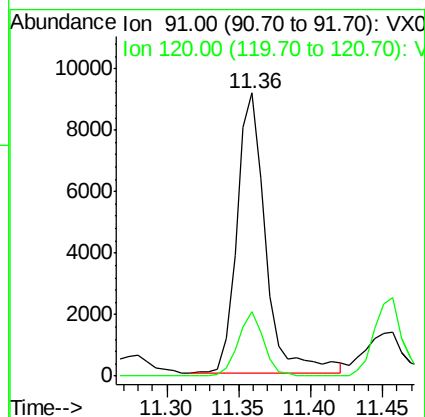
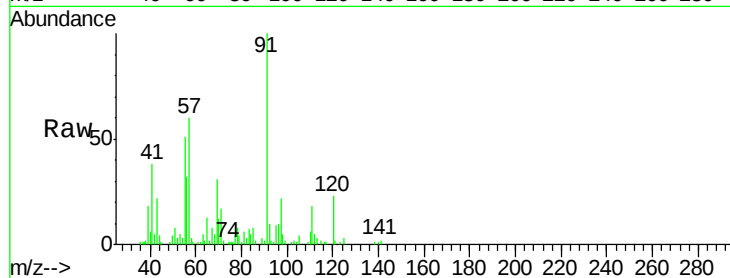
EP1-SB-MW-HR(14-17)

Tot Ion: 91 Resp: 12605

Ion Ratio Lower Upper

91 100

120 20.7 11.0 33.0



#84

1,2,4-Trimethylbenzene

Concen: 23.663 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009832.D

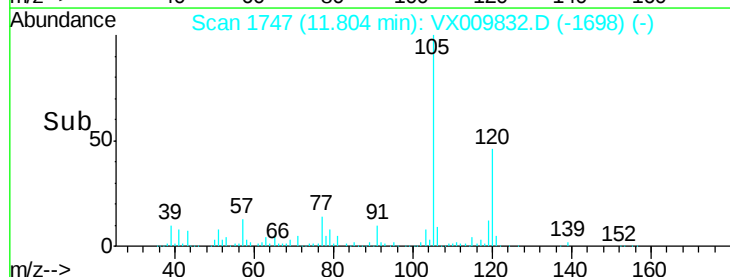
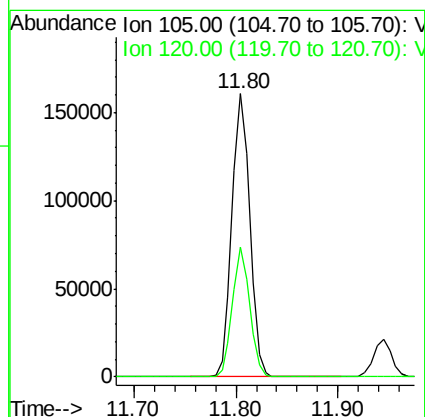
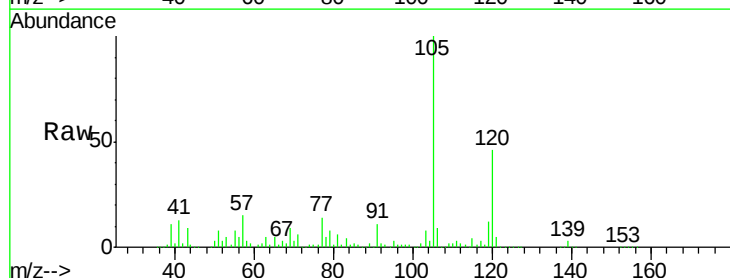
Acq: 23 May 2019 03:14

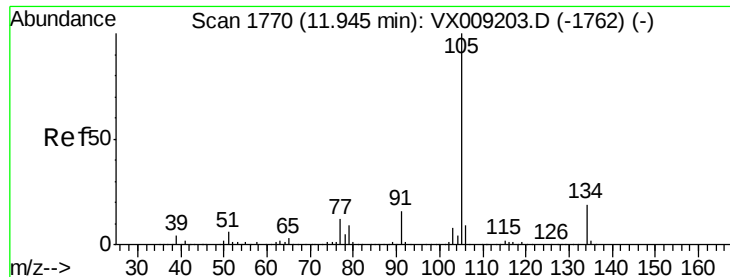
Tgt Ion: 105 Resp: 193912

Ion Ratio Lower Upper

105 100

120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 2.777 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

Instrument :

MSVOA_X

ClientSampleId :

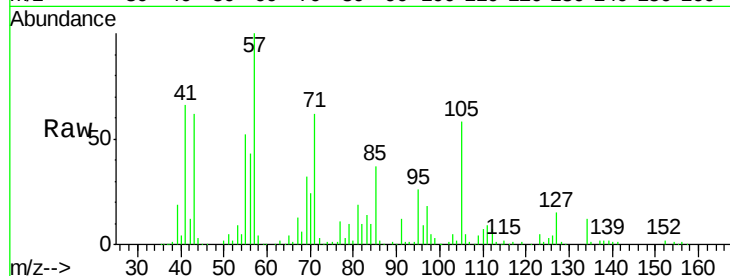
EP1-SB-MW-HR(14-17)

Tot Ion:105 Resp: 26152

Ion Ratio Lower Upper

105 100

134 17.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

25000

20000

15000

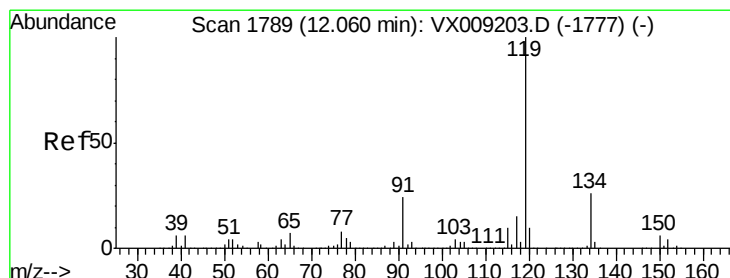
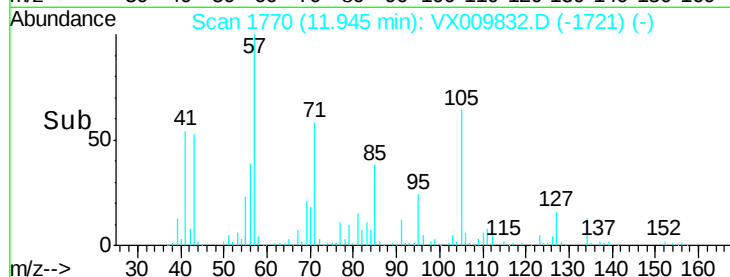
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 4.357 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

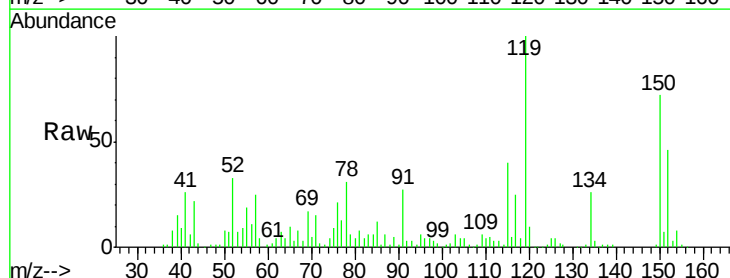
Tgt Ion:119 Resp: 36884

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 24.7 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

40000

30000

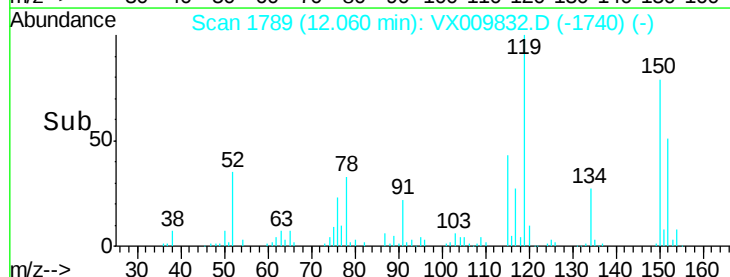
20000

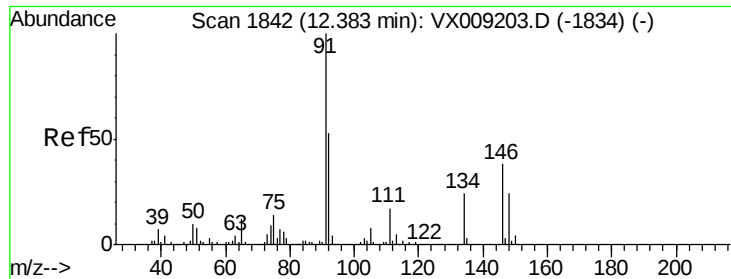
10000

0

Time-->

11.95 12.00 12.05 12.10





#89

n-Butylbenzene

Concen: 3.978 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009832.D

Acq: 23 May 2019 03:14

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-HR(14-17)

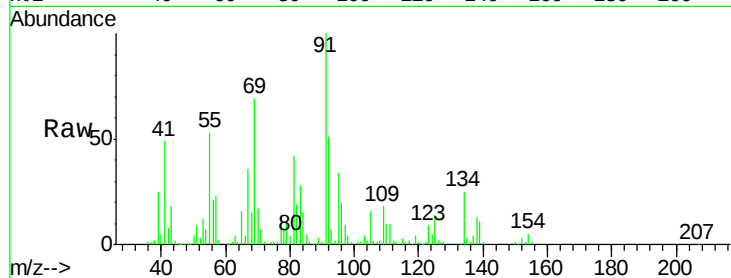
Tot Ion: 91 Resp: 30438

Ion Ratio Lower Upper

91 100

92 44.0 26.5 79.5

134 61.7 12.4 37.2#



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

