

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002128.D
 Acq On : 30 May 2018 07:45
 Operator : JC/MD
 Sample : J3165-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33

Quant Time: May 30 11:42:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	416643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245352	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	201119	39.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.18%	
35) Dibromofluoromethane	5.51	113	150711	36.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.34%	
50) Toluene-d8	8.72	98	607921	40.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.60%	
62) 4-Bromofluorobenzene	11.14	95	233202	39.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.02%	

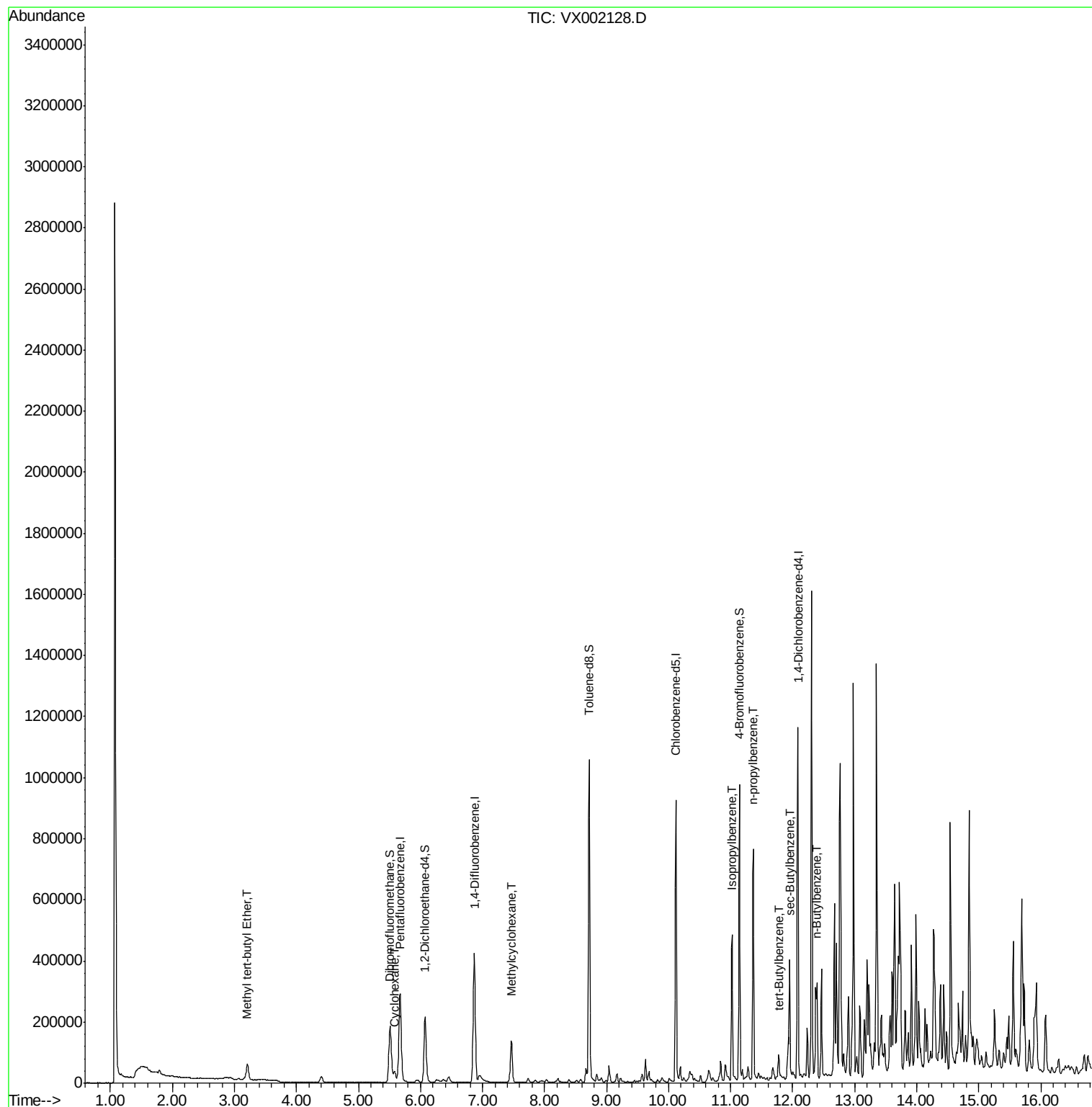
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.21	73	56736	4.50	ug/l	96
31) Cyclohexane	5.58	56	25070	3.54	ug/l	96
39) Methylcyclohexane	7.46	83	56302	7.91	ug/l	99
73) Isopropylbenzene	11.02	105	242641	11.68	ug/l	99
78) n-propylbenzene	11.37	91	447738	19.24	ug/l	98
83) tert-Butylbenzene	11.77	119	25965	1.49	ug/l	94
85) sec-Butylbenzene	11.95	105	192293	9.18	ug/l	84
89) n-Butylbenzene	12.39	91	133258	8.39	ug/l #	84

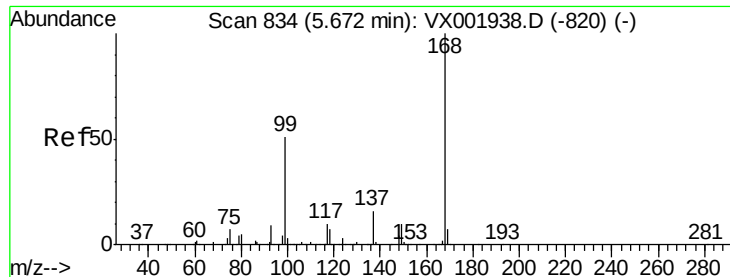
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

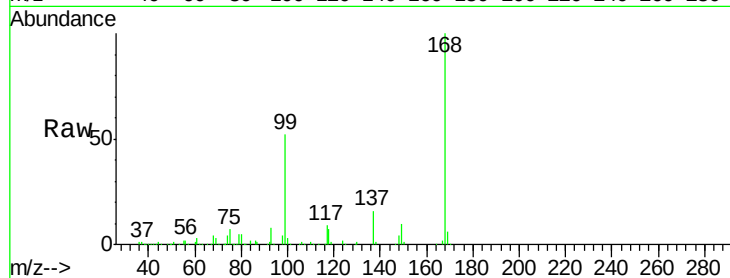
MW-33

Tot Ion:168 Resp: 287866

Ion Ratio Lower Upper

168 100

99 52.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

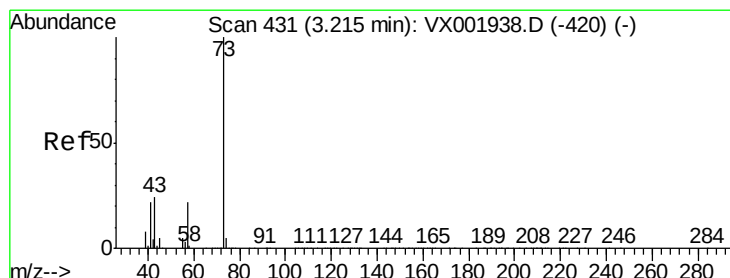
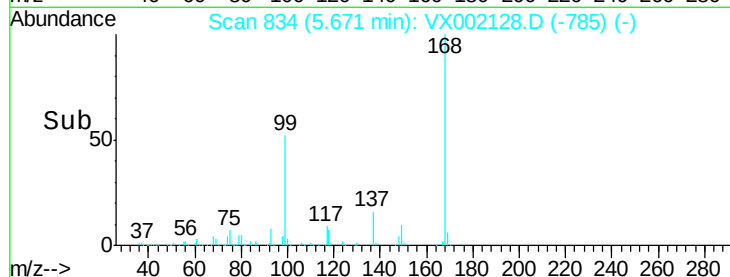
60000

40000

20000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 4.50 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX002128.D

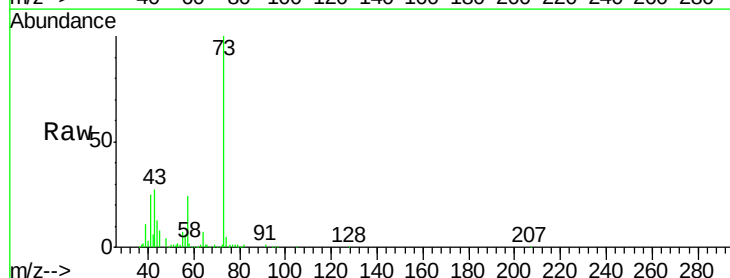
Acq: 30 May 2018 07:45

Tgt Ion: 73 Resp: 56736

Ion Ratio Lower Upper

73 100

57 23.4 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

25000

20000

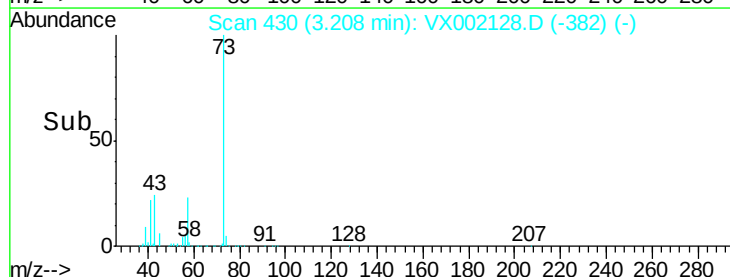
15000

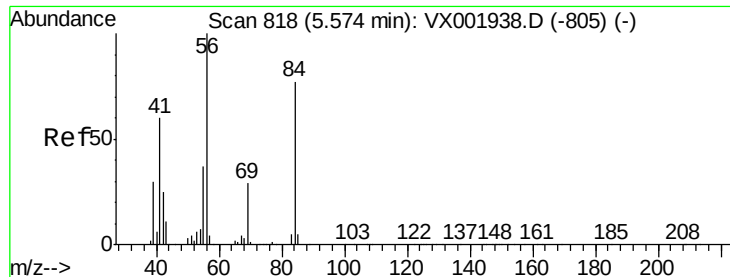
10000

5000

0

Time-->

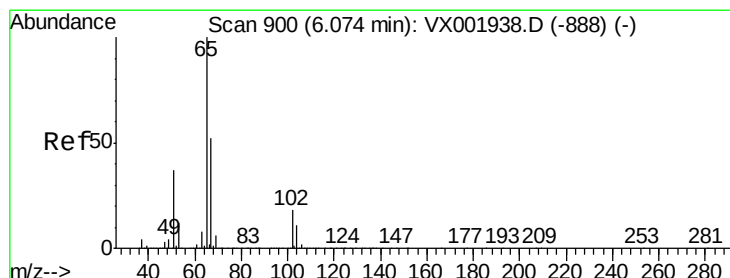
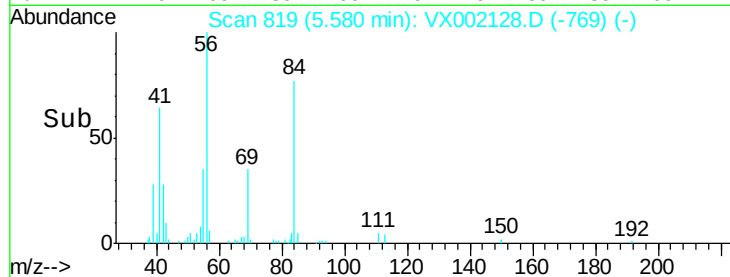
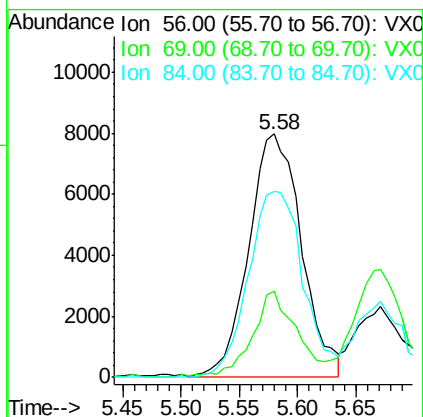
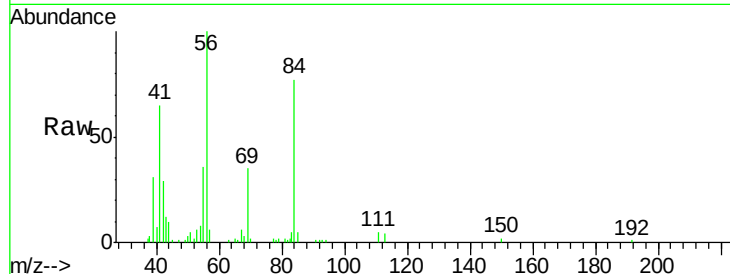




#31
Cyclohexane
Concen: 3.54 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002128.D
Acq: 30 May 2018 07:45

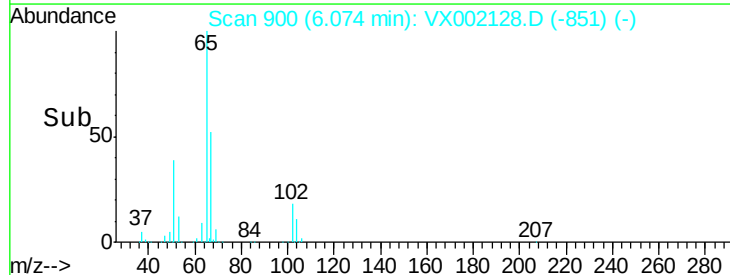
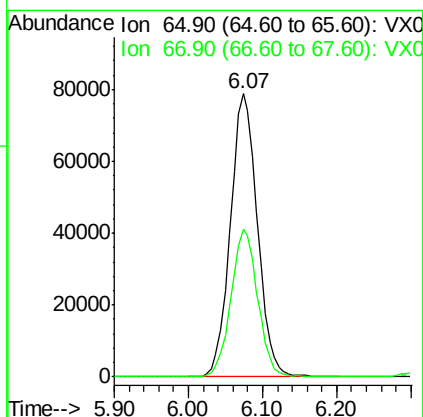
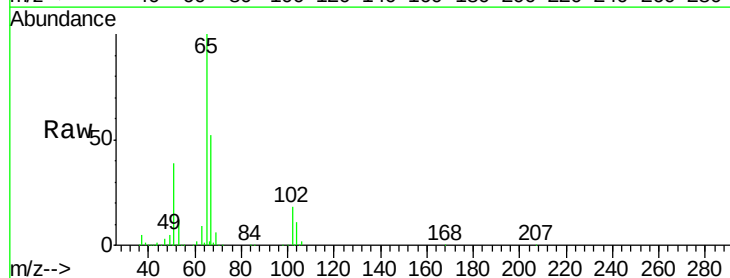
Instrument :
MSVOA_X
ClientSampled :
MW-33

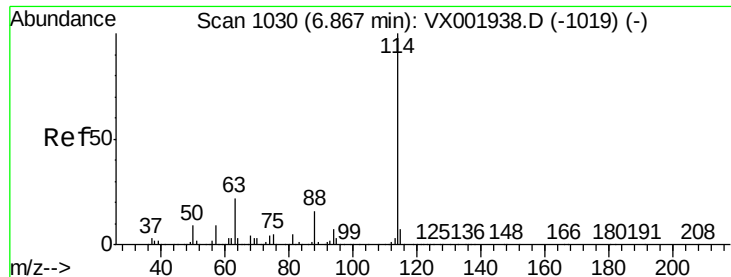
Tot Ion: 56 Resp: 25070
Ion Ratio Lower Upper
56 100
69 34.5 23.1 34.7
84 76.6 62.0 93.0



#33
1,2-Dichloroethane-d4
Concen: 39.09 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002128.D
Acq: 30 May 2018 07:45

Tgt Ion: 65 Resp: 201119
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

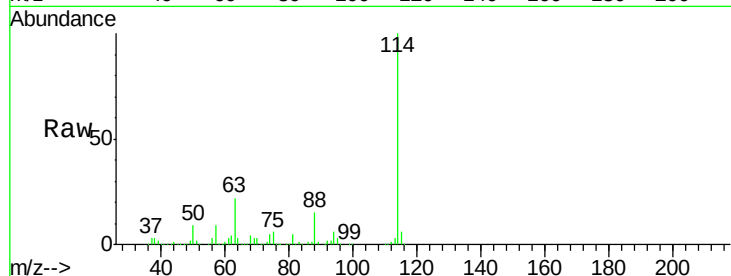




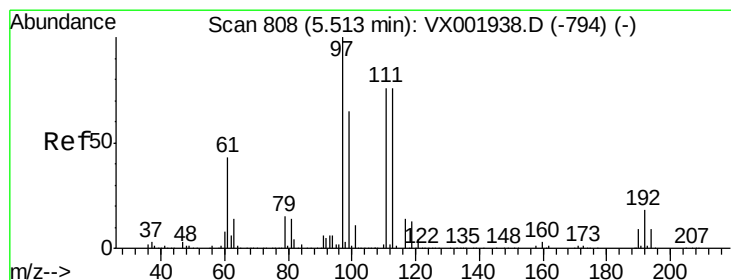
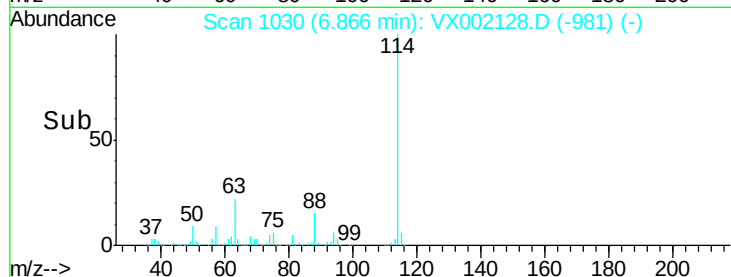
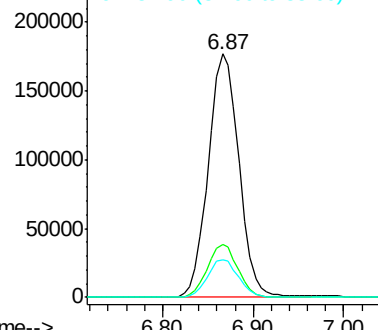
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002128.D
 Acq: 30 May 2018 07:45

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	15.5	0.0	31.6

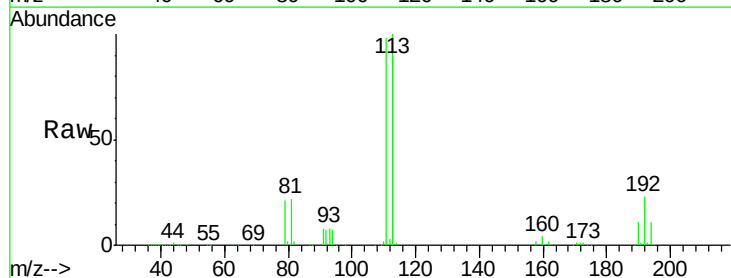


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

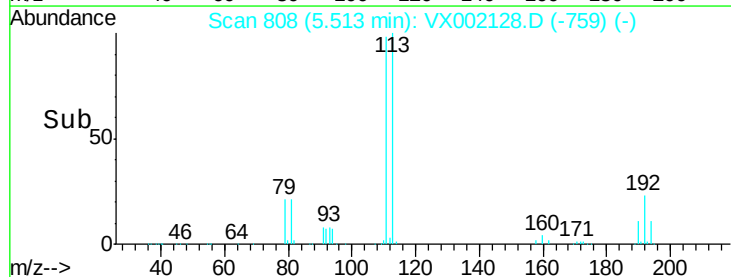
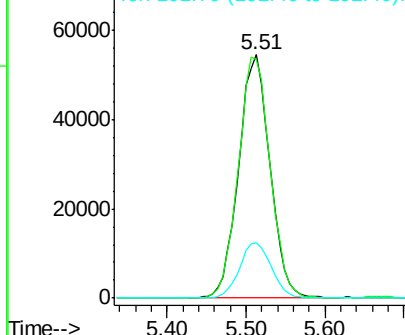


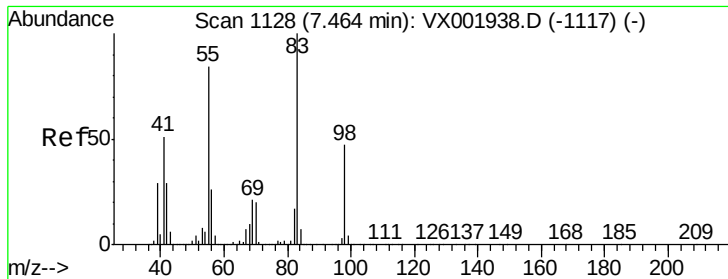
#35
 Dibromofluoromethane
 Concen: 36.17 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002128.D
 Acq: 30 May 2018 07:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.0	123.0
192	23.4	18.9	28.3



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

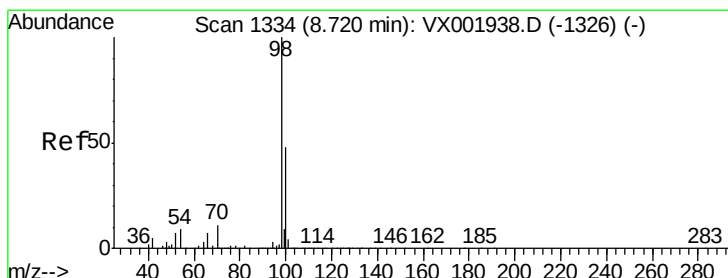
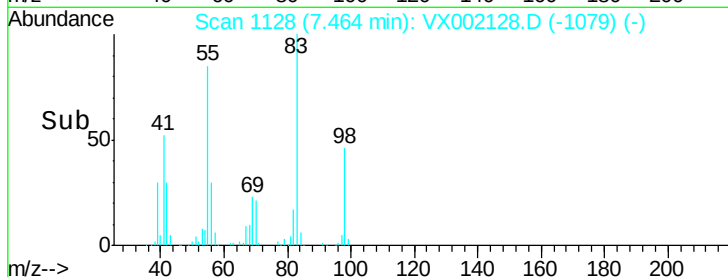
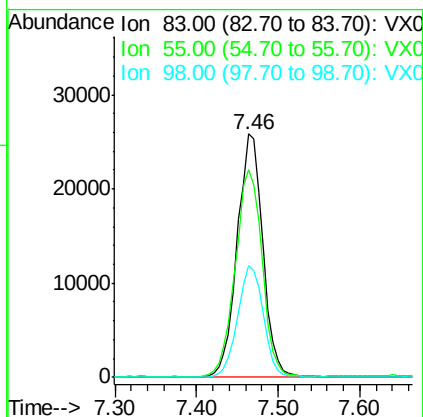
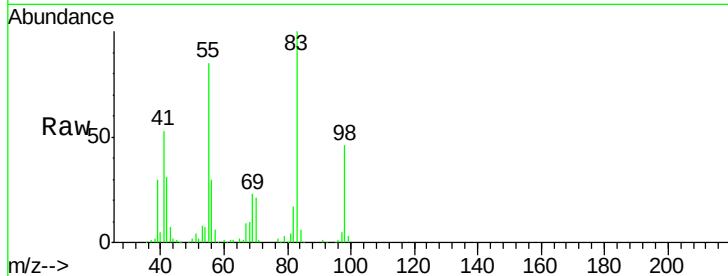




#39
Methylvlcyclohexane
Concen: 7.91 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002128.D
Acq: 30 May 2018 07:45

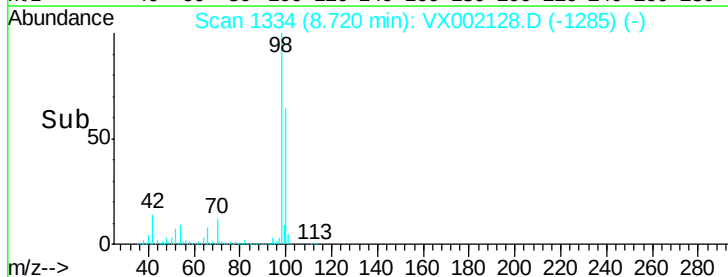
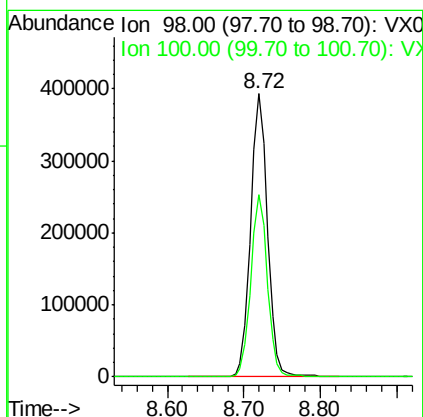
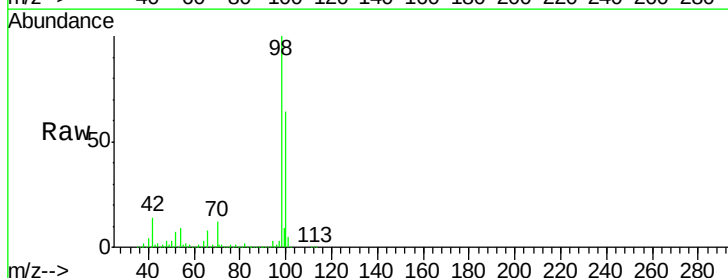
Instrument :
MSVOA_X
ClientSampled :
MW-33

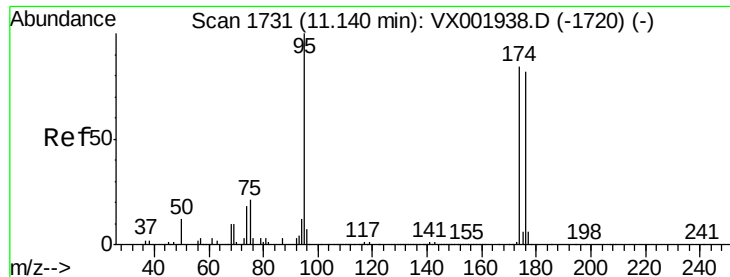
Tot Ion: 83 Resp: 56302
Ion Ratio Lower Upper
83 100
55 85.5 67.3 100.9
98 46.1 37.5 56.3



#50
Toluene-d8
Concen: 40.30 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002128.D
Acq: 30 May 2018 07:45

Tgt Ion: 98 Resp: 607921
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 39.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

Instrument :

MSVOA_X

ClientSampled :

MW-33

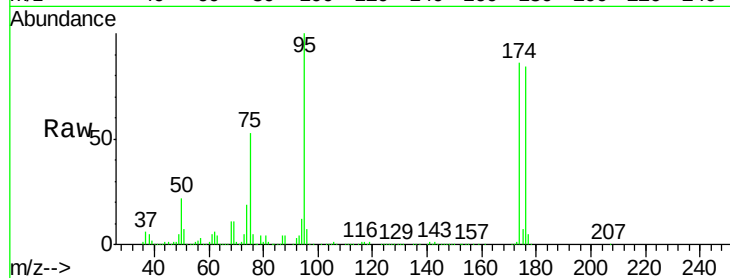
Tot Ion: 95 Resp: 233202

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.8

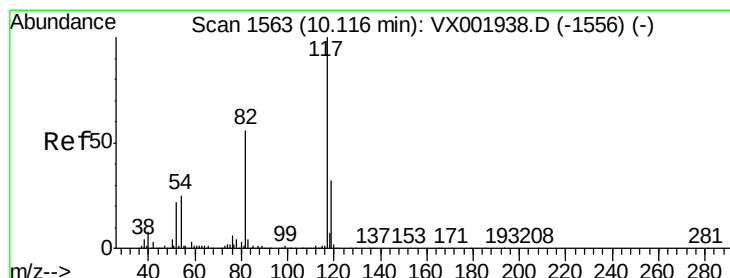
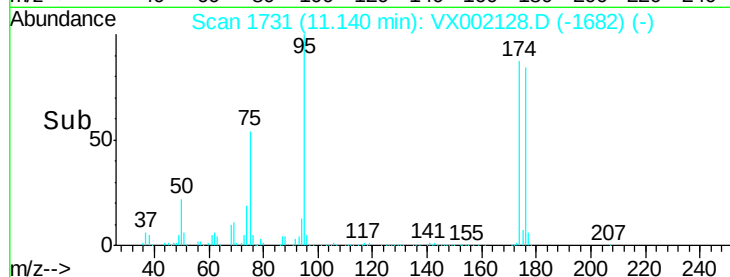
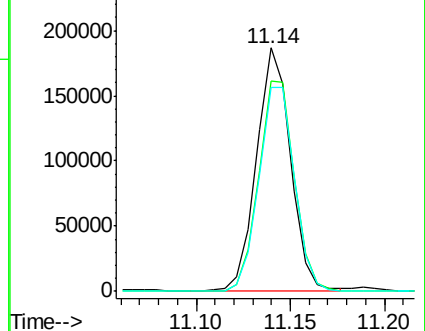
176 88.7 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

Ion 173.80 (173.50 to 174.50): VX001938.D (-1720) (-)

Ion 175.80 (175.50 to 176.50): VX001938.D (-1720) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

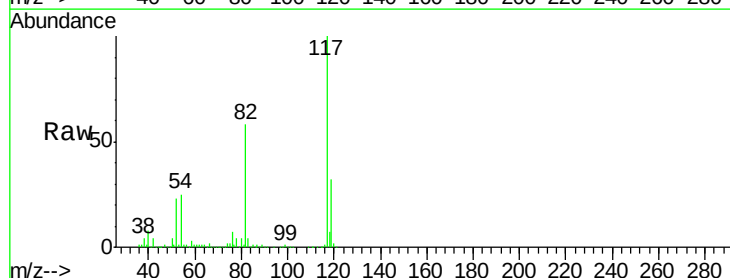
Tgt Ion: 117 Resp: 396240

Ion Ratio Lower Upper

117 100

82 57.9 44.8 67.2

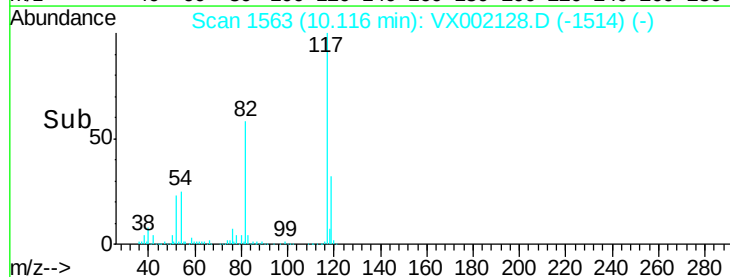
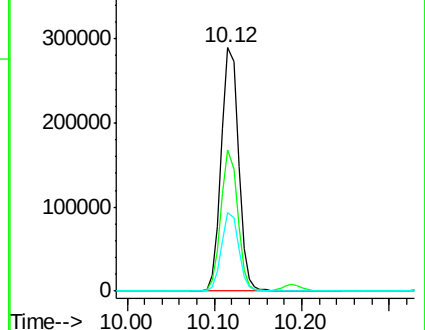
119 32.4 25.5 38.3

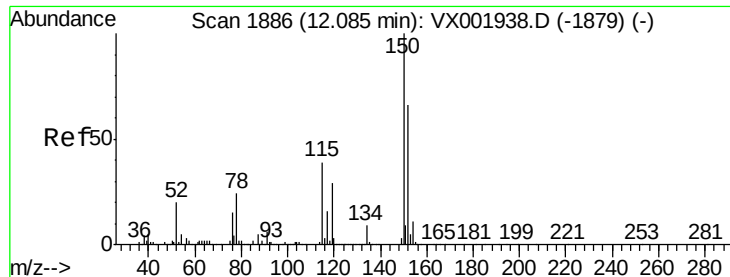


Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001938.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001938.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

Instrument :

MSVOA_X

ClientSampled :

MW-33

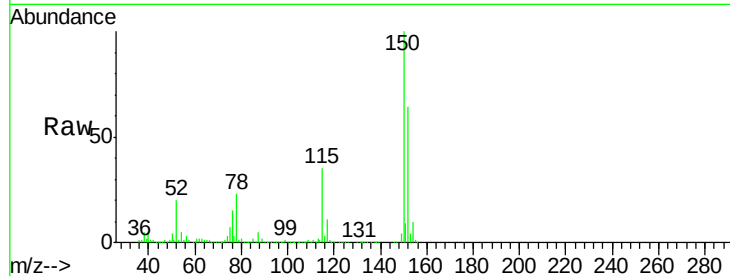
Tot Ion:152 Resp: 245352

Ion Ratio Lower Upper

152 100

115 56.2 42.3 126.8

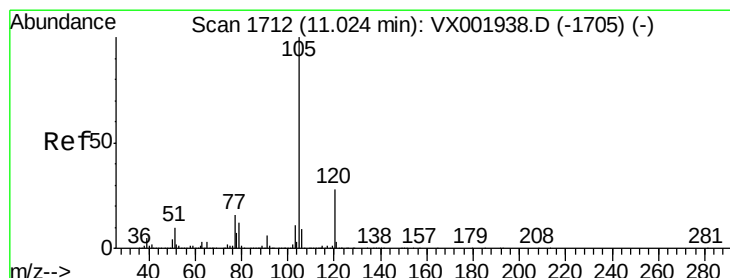
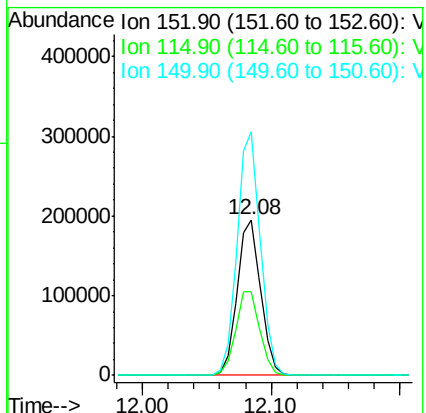
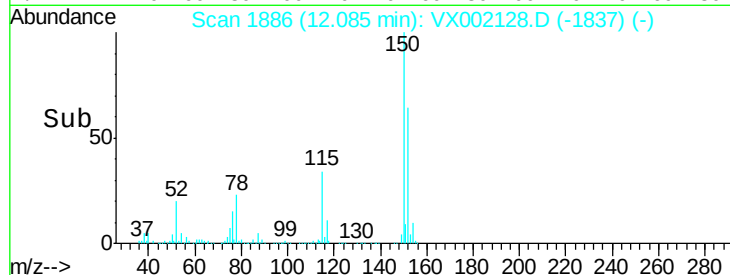
150 156.2 0.0 351.0



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



#73

Isopropylbenzene

Concen: 11.68 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002128.D

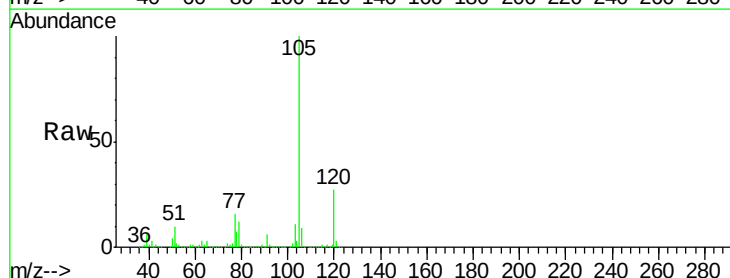
Acq: 30 May 2018 07:45

Tgt Ion:105 Resp: 242641

Ion Ratio Lower Upper

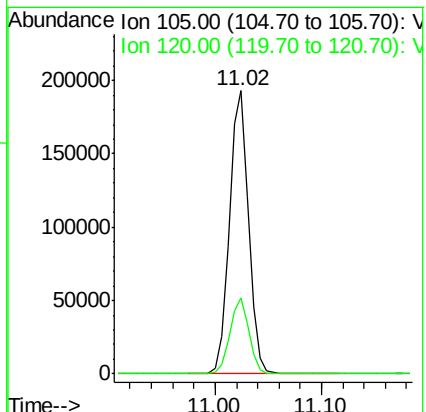
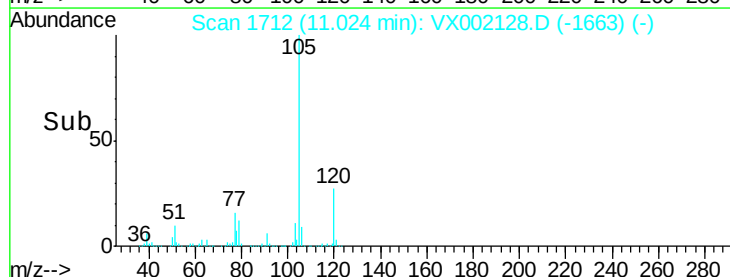
105 100

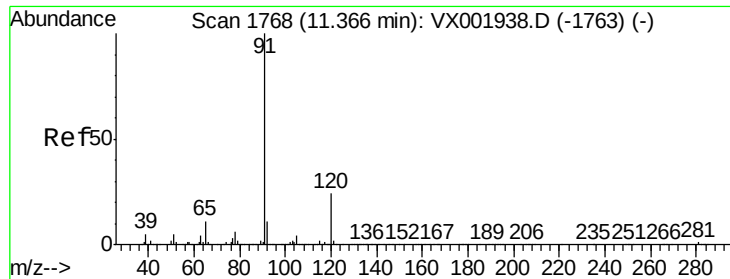
120 26.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 19.24 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

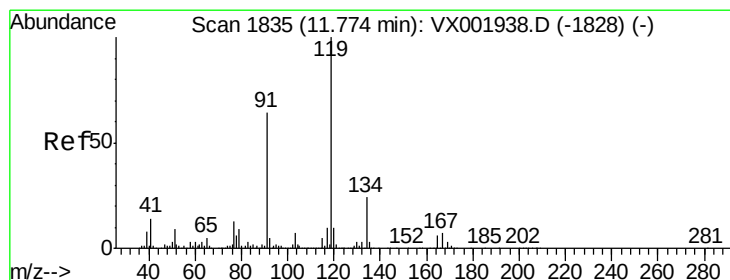
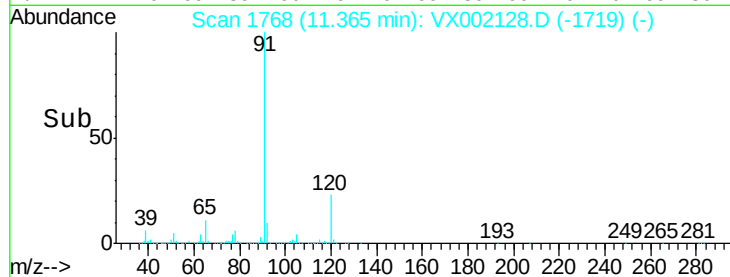
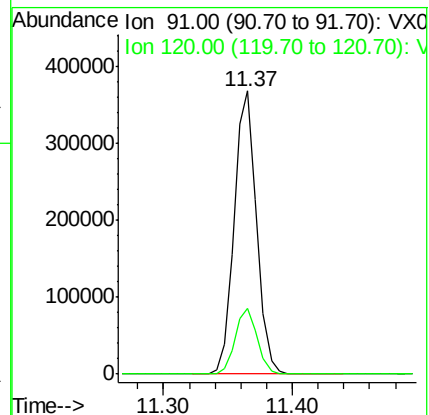
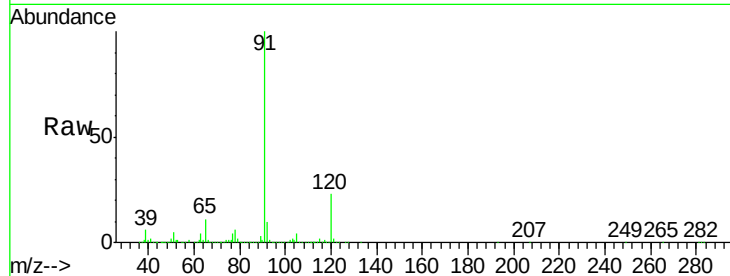
MW-33

Tot Ion: 91 Resp: 447738

Ion Ratio Lower Upper

91 100

120 22.9 11.9 35.7



#83

tert-Butylbenzene

Concen: 1.49 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

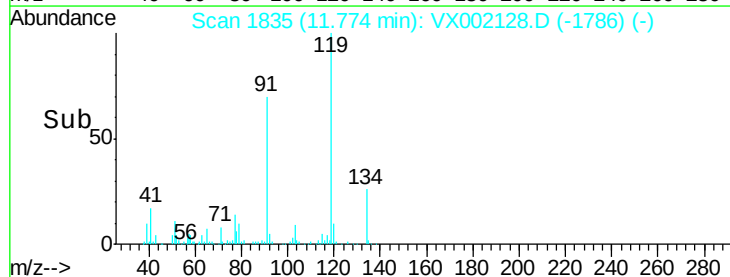
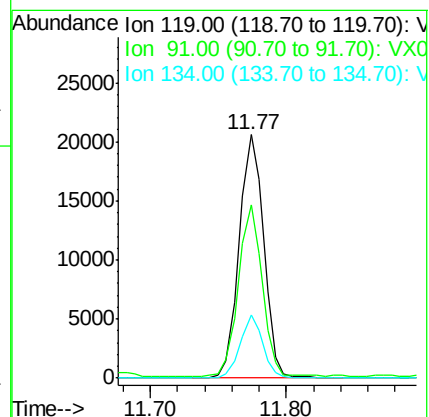
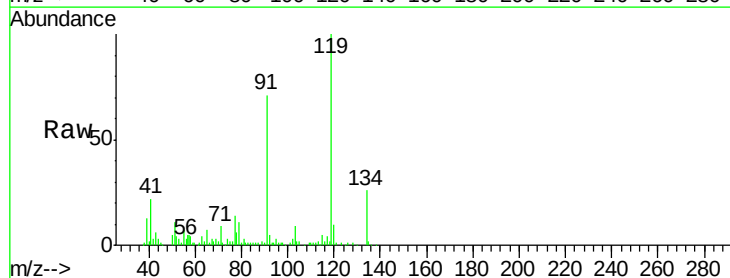
Tgt Ion: 119 Resp: 25965

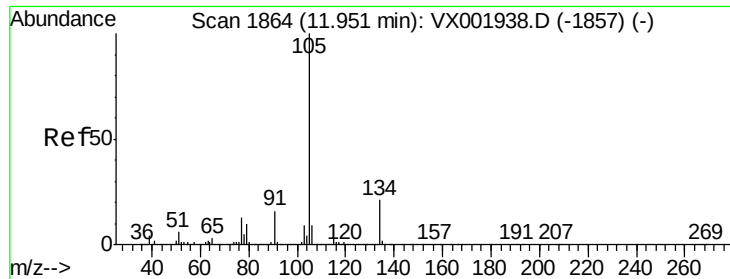
Ion Ratio Lower Upper

119 100

91 67.9 30.6 91.8

134 23.4 11.7 35.0





#85

sec-Butylbenzene

Concen: 9.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

Instrument :

MSVOA_X

ClientSampled :

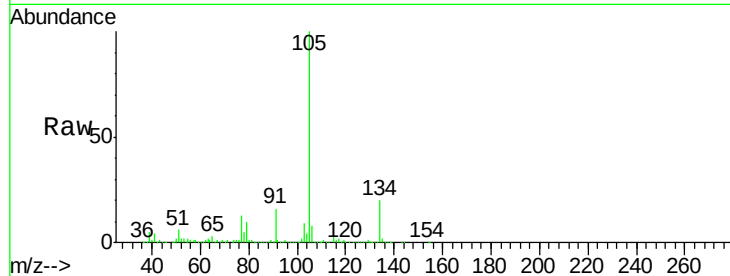
MW-33

Tot Ion:105 Resp: 192293

Ion Ratio Lower Upper

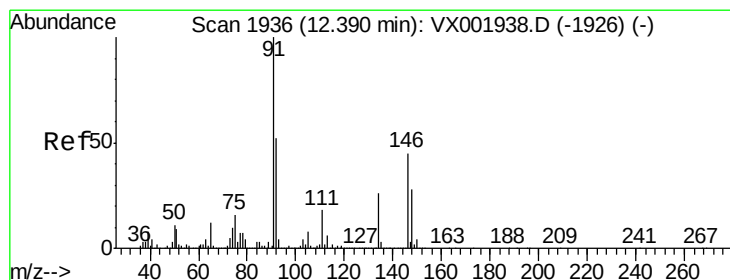
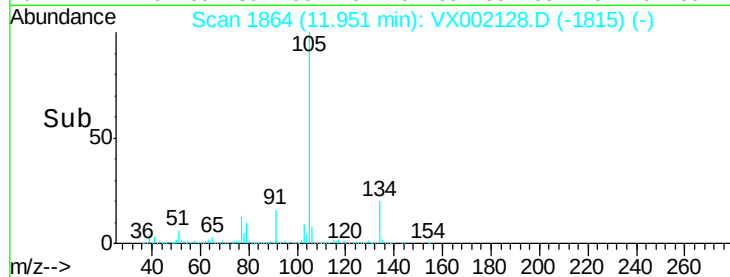
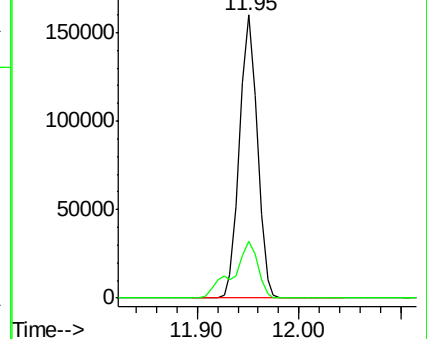
105 100

134 28.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 8.39 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002128.D

Acq: 30 May 2018 07:45

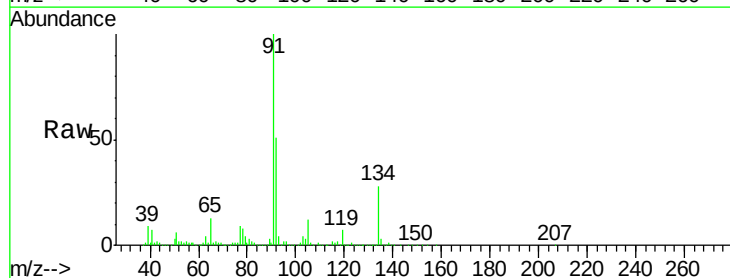
Tgt Ion: 91 Resp: 133258

Ion Ratio Lower Upper

91 100

92 46.2 26.3 78.9

134 42.9 13.6 40.7#



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

