

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002958.D
 Acq On : 28 Jun 2018 01:46
 Operator : JC/MD
 Sample : J3631-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019

Quant Time: Jun 28 15:29:19 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	277204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380732	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225555	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	181025	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	5.51	113	144340	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.72	98	545816	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.14	95	203877	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

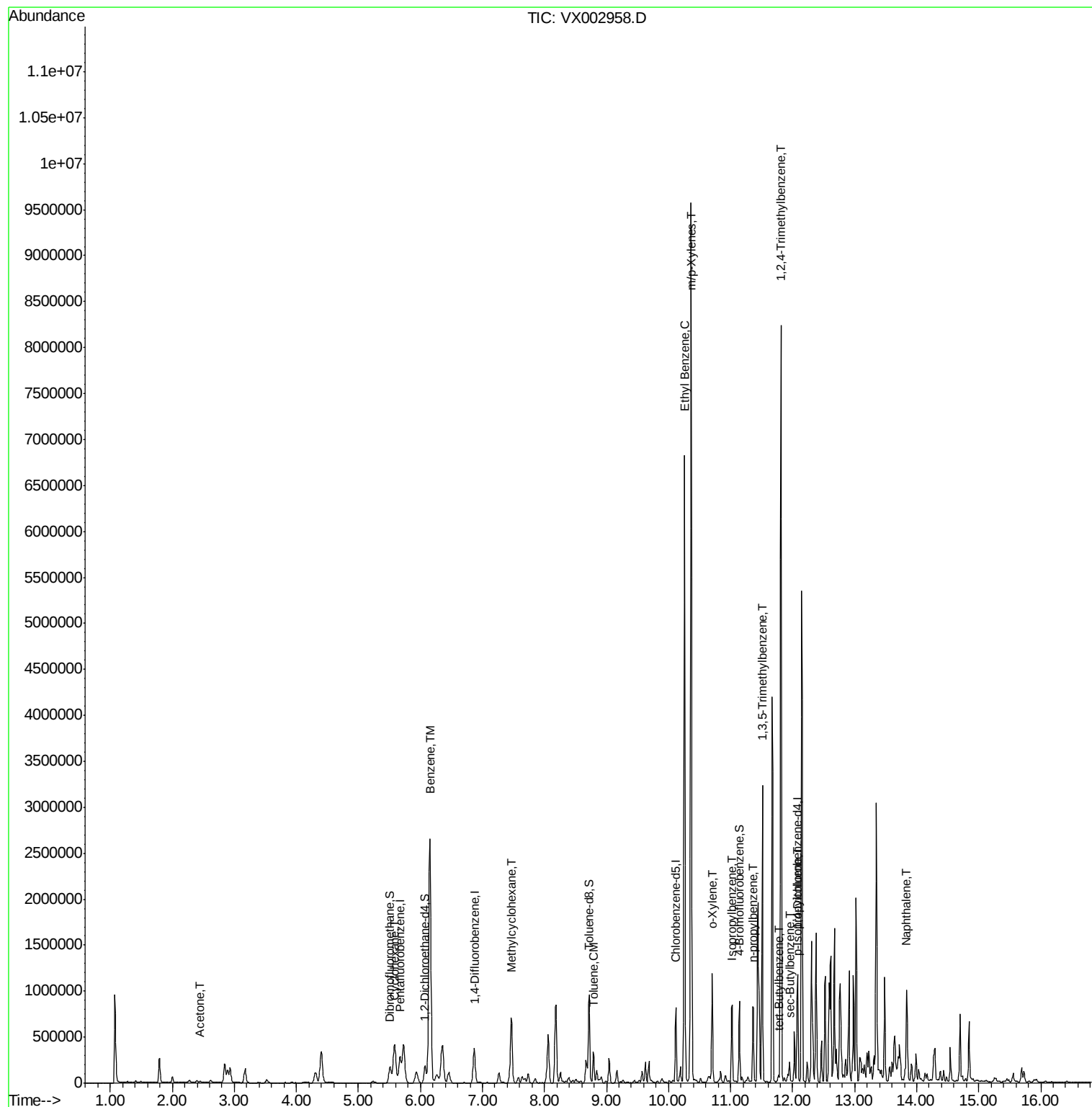
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	13799	8.70	ug/l	95
31) Cyclohexane	5.58	56	281504	58.59	ug/l	96
39) Methylcyclohexane	7.46	83	301724	62.04	ug/l	99
40) Benzene	6.15	78	3141741	258.98	ug/l	100
52) Toluene	8.79	92	121405	15.62	ug/l	98
67) Ethyl Benzene	10.26	91	3720741	247.99	ug/l	100
68) m/p-Xylenes	10.37	106	2234900	386.50	ug/l	98
69) o-Xylene	10.70	106	247531	43.96	ug/l	99
73) Isopropylbenzene	11.02	105	448168	29.54	ug/l	100
78) n-propylbenzene	11.36	91	495712	28.70	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1359282	106.36	ug/l	100
83) tert-Butylbenzene	11.77	119	25206	2.00	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	3318209	250.59	ug/l	98
85) sec-Butylbenzene	11.95	105	106674	6.98	ug/l	80
86) p-Isopropyltoluene	12.07	119	138133	10.06	ug/l	99
95) Naphthalene	13.84	128	624440	40.44	ug/l	98

(#) = 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# 834

Delta R.T. 0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

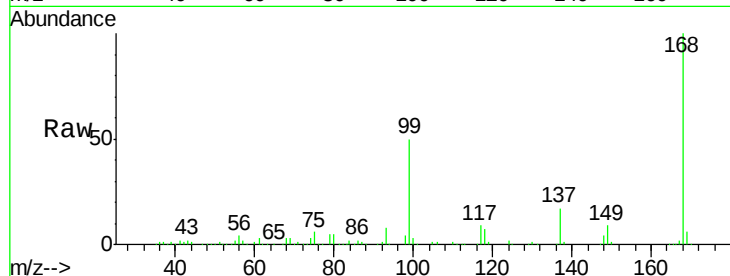
S83-0019

Tot Ion:168 Resp: 277204

Ion Ratio Lower Upper

168 100

99 49.8 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

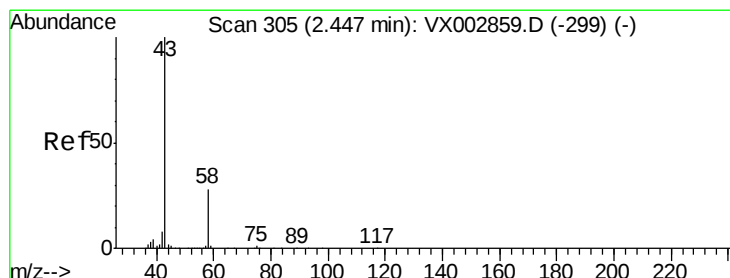
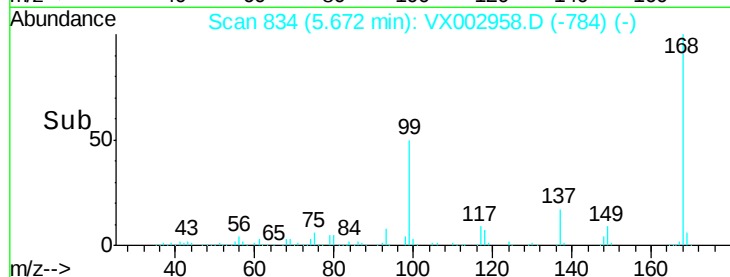
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 8.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002958.D

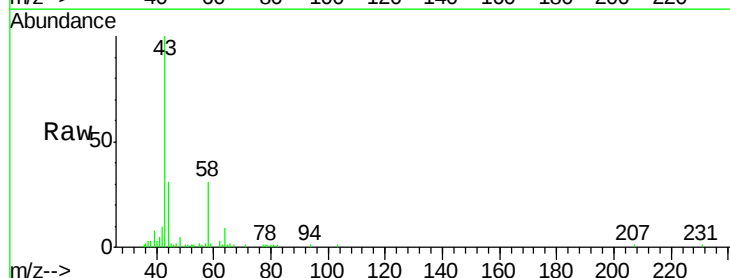
Acq: 28 Jun 2018 01:46

Tgt Ion: 43 Resp: 13799

Ion Ratio Lower Upper

43 100

58 30.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

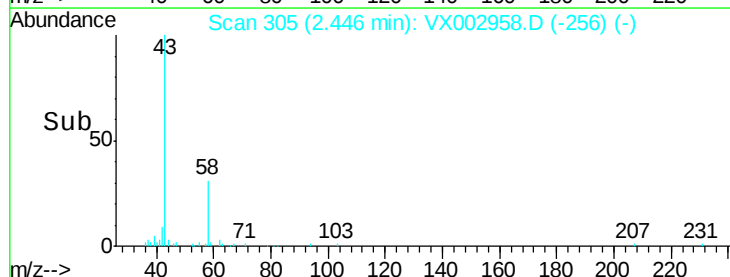
6000

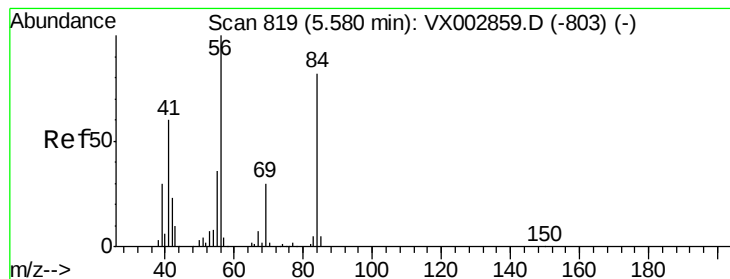
4000

2000

0

Time--> 2.40 2.45 2.50 2.55





#31

Cyclohexane

Concen: 58.59 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

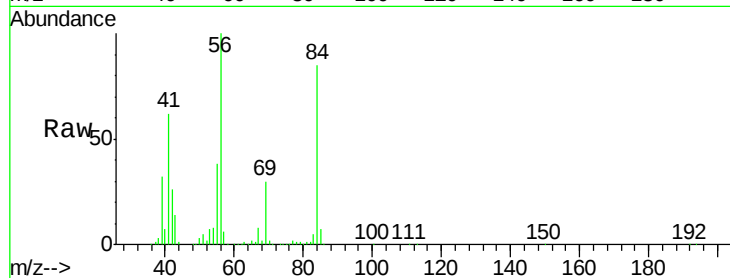
Tot Ion: 56 Resp: 281504

Ion Ratio Lower Upper

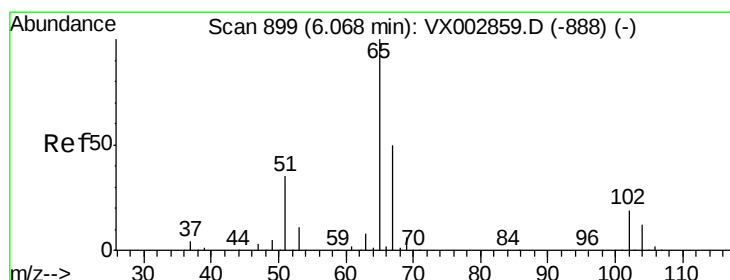
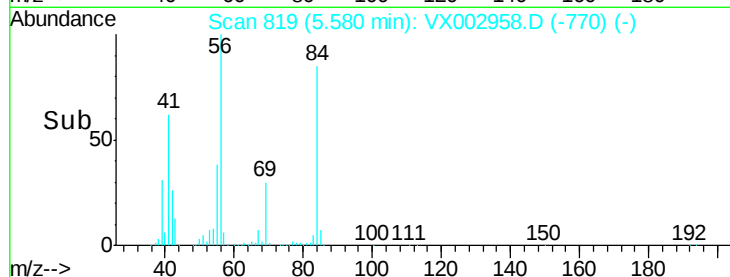
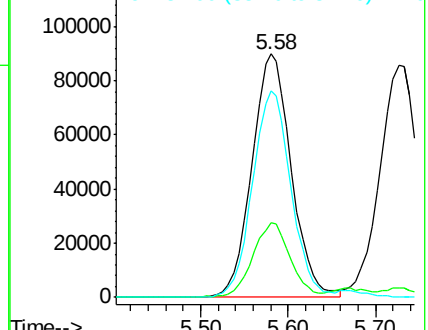
56 100

69 30.3 23.7 35.5

84 84.8 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.25 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002958.D

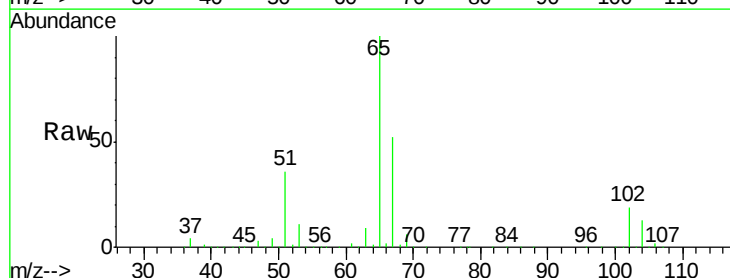
Acq: 28 Jun 2018 01:46

Tgt Ion: 65 Resp: 181025

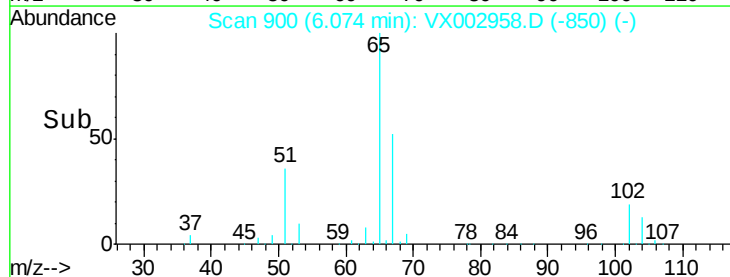
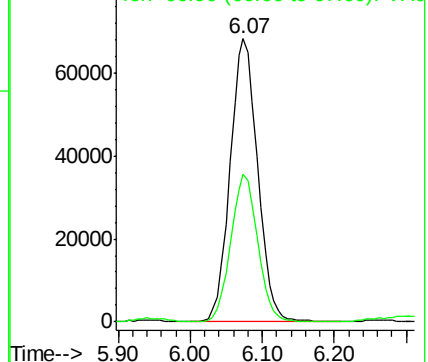
Ion Ratio Lower Upper

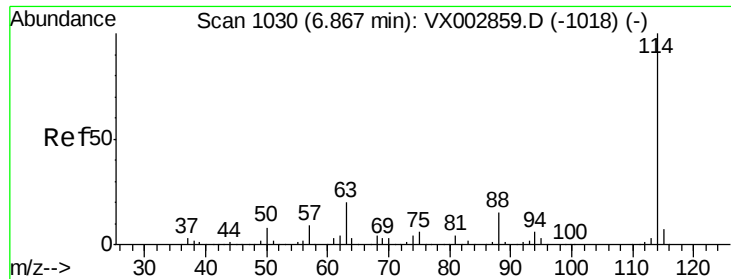
65 100

67 50.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

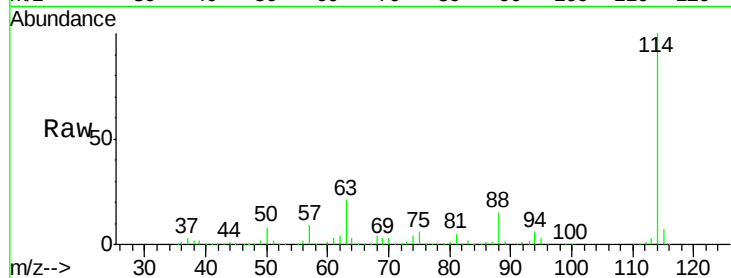




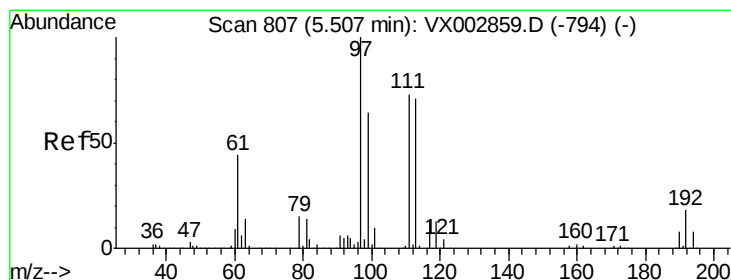
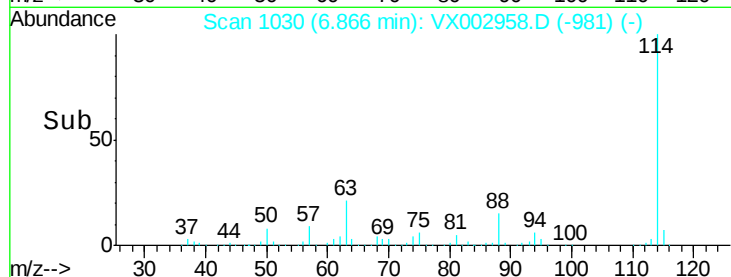
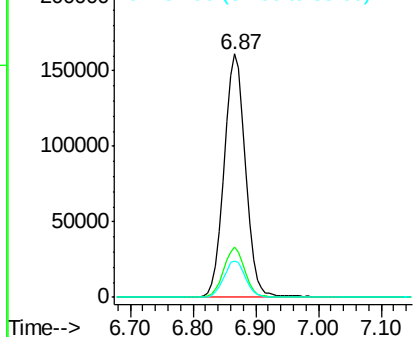
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019

Tot Ion:114 Resp: 380732
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.4
 88 15.1 0.0 30.0

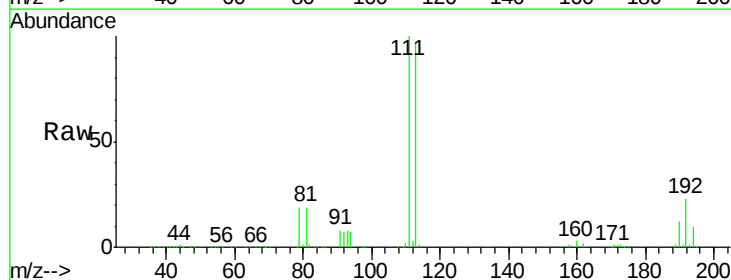


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

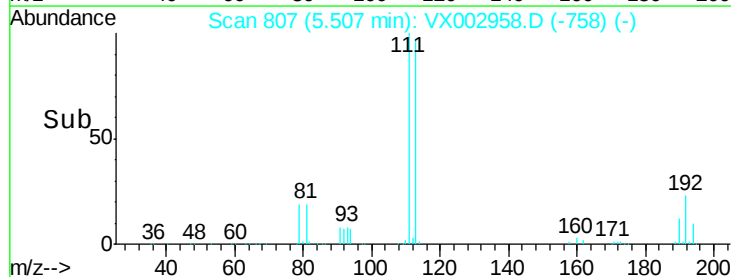
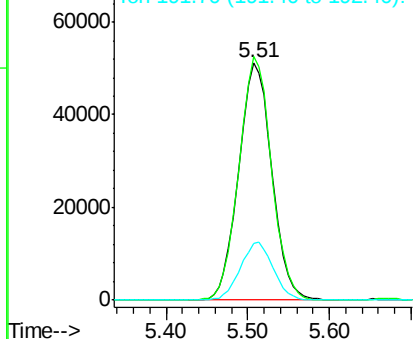


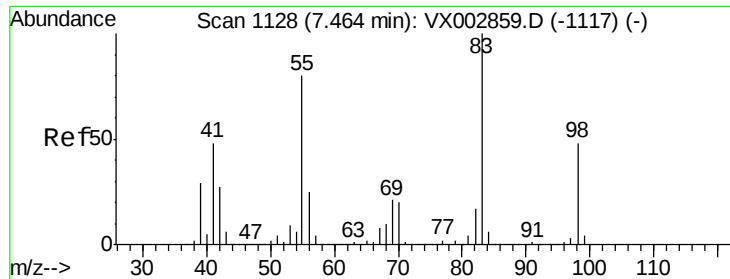
#35
 Dibromofluoromethane
 Concen: 47.87 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

Tgt Ion:113 Resp: 144340
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.0
 192 24.2 19.1 28.7



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

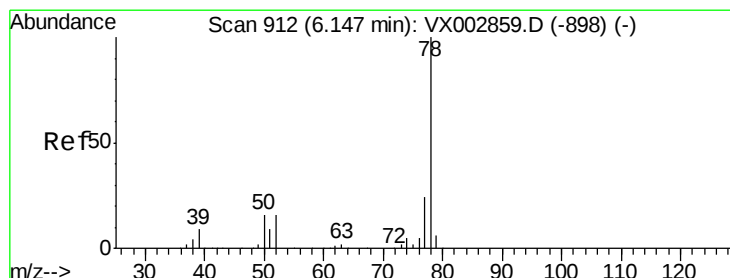
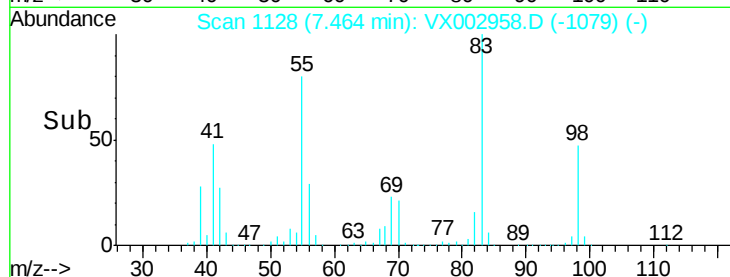
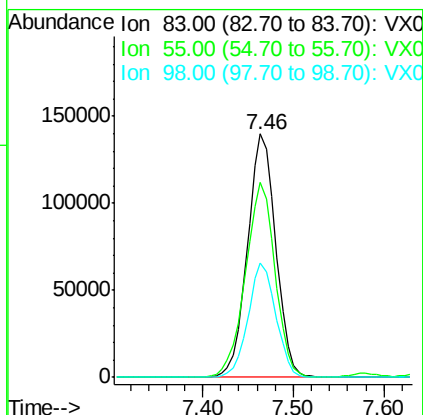
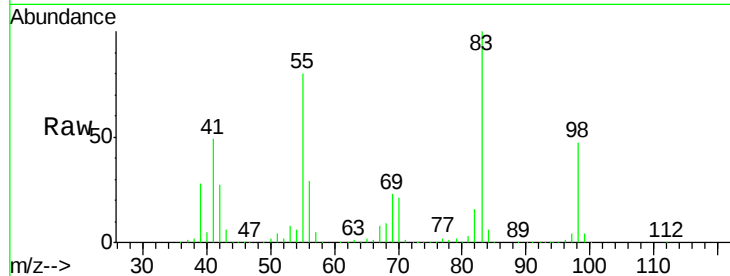




#39
Methvlcvclohexane
Concen: 62.04 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

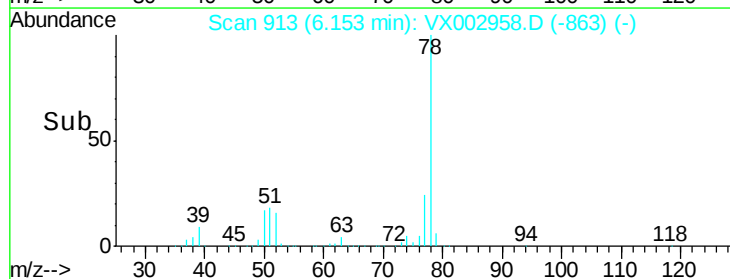
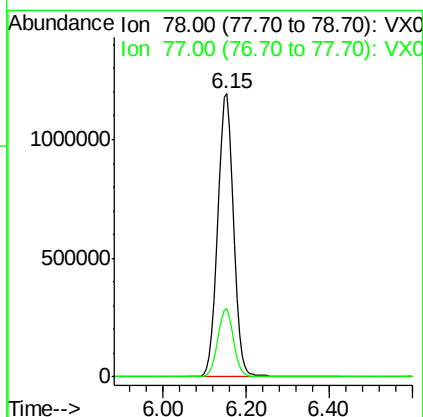
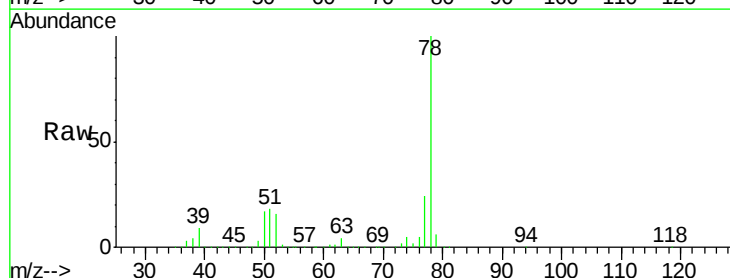
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

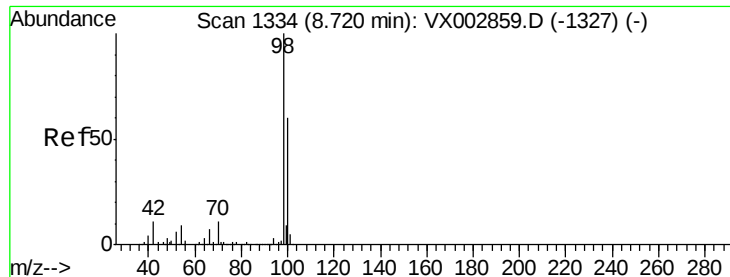
Tot Ion: 83 Resp: 301724
Ion Ratio Lower Upper
83 100
55 80.0 65.4 98.0
98 47.2 37.4 56.0



#40
Benzene
Concen: 258.98 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion: 78 Resp: 3141741
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

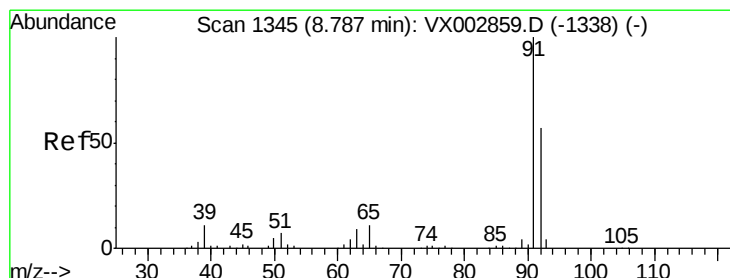
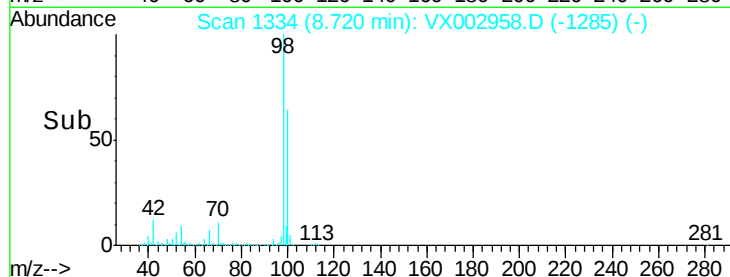
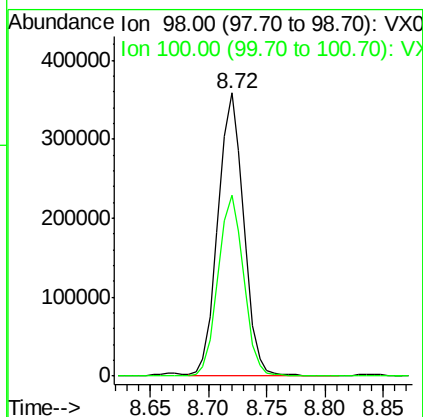
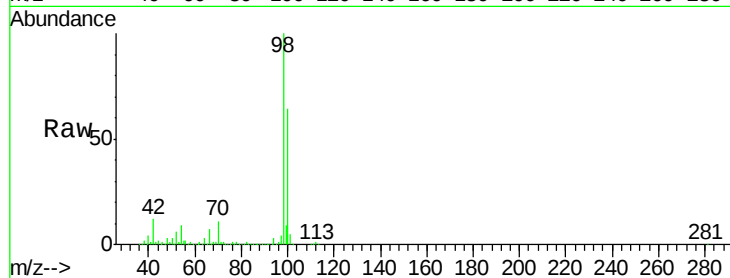




#50
Toluene-d8
Concen: 49.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

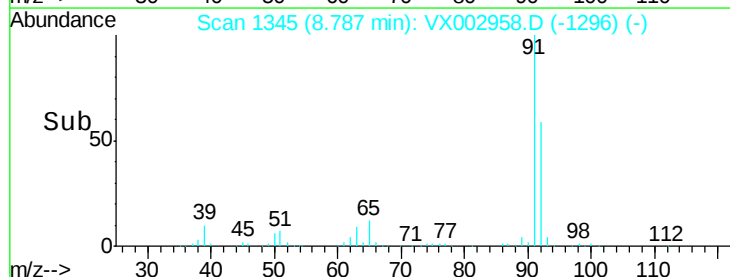
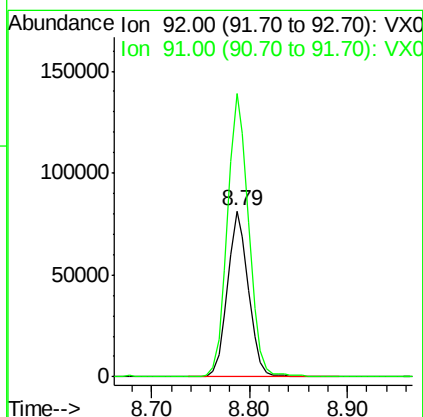
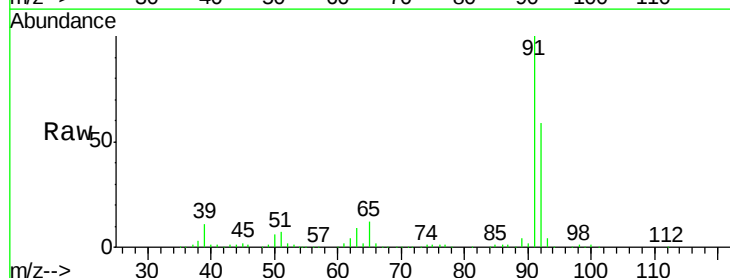
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

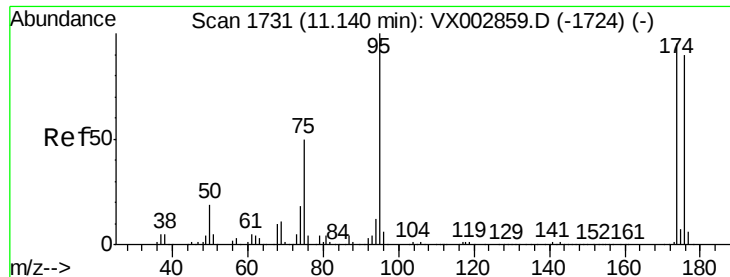
Tot Ion: 98 Resp: 545816
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#52
Toluene
Concen: 15.62 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion: 92 Resp: 121405
Ion Ratio Lower Upper
92 100
91 172.9 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 48.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

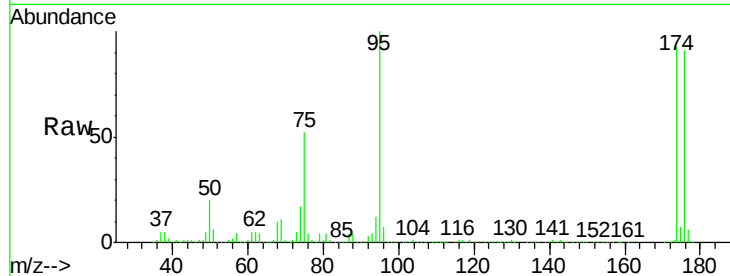
Tot Ion: 95 Resp: 203877

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

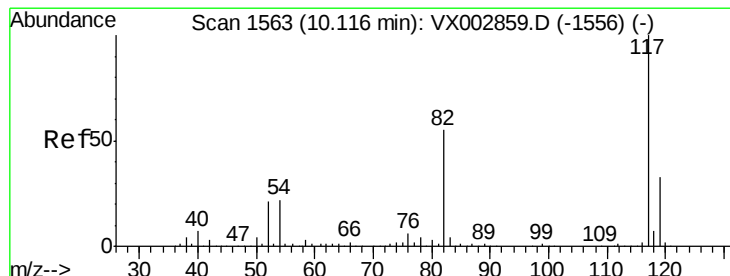
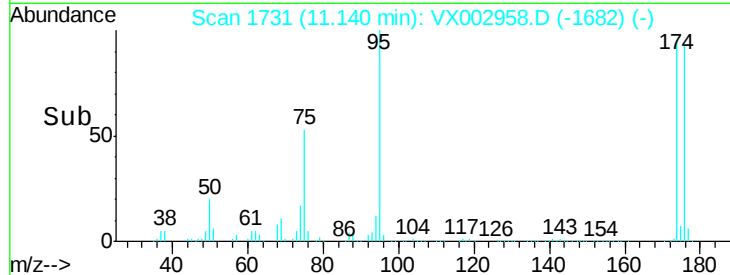
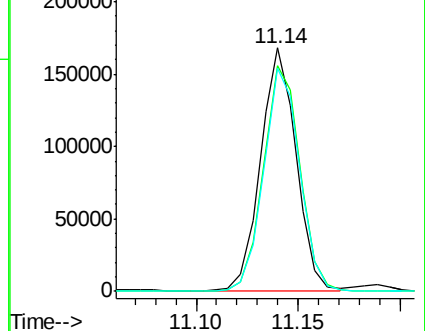
176 92.8 0.0 181.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

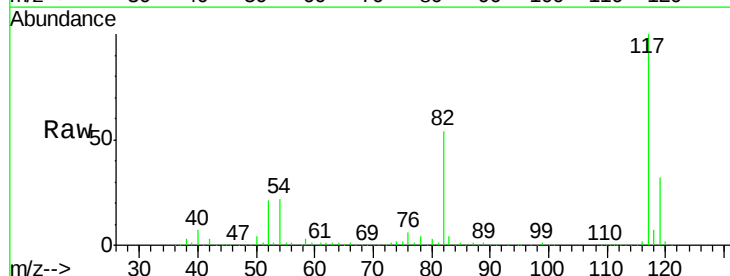
Tgt Ion: 117 Resp: 357581

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.4

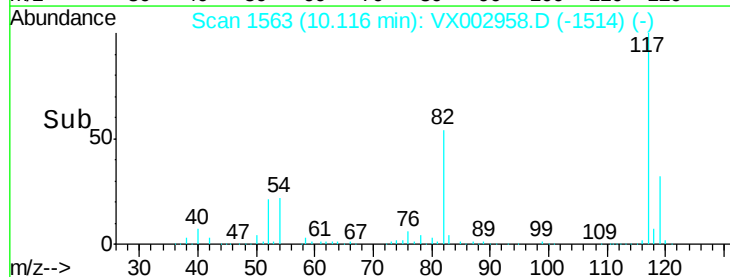
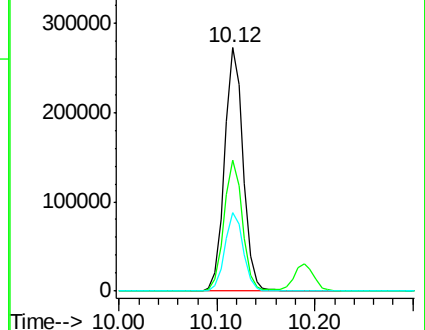
119 32.0 25.8 38.6

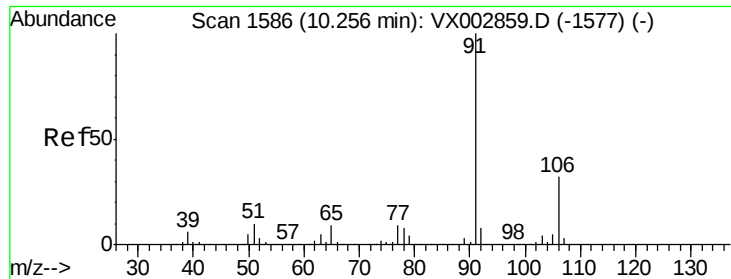


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 247.99 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

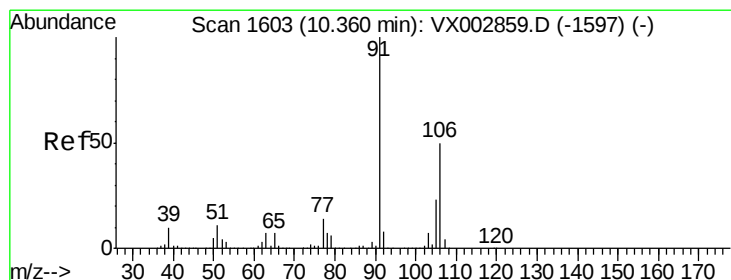
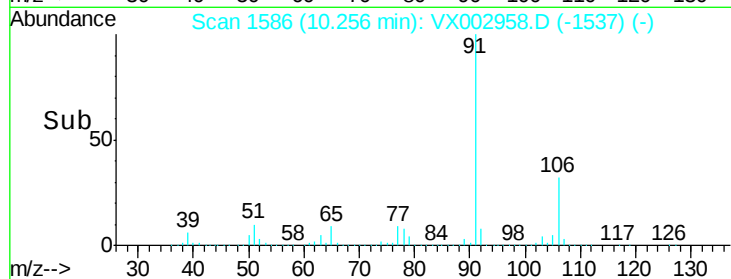
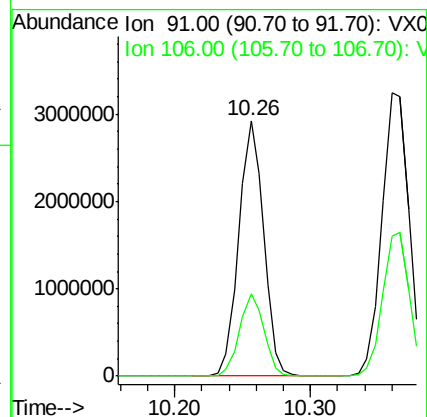
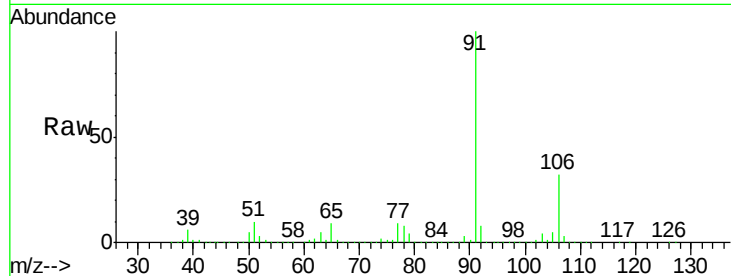
S83-0019

Tot Ion: 91 Resp: 3720741

Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3



#68

m/p-Xylenes

Concen: 386.50 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002958.D

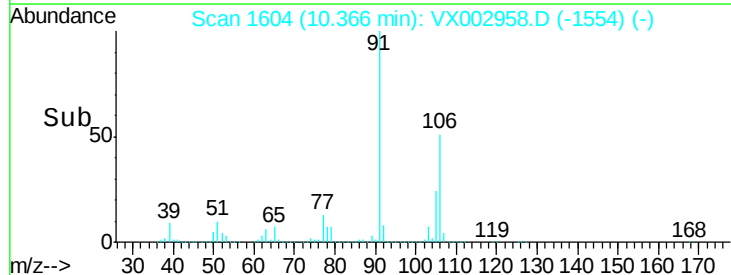
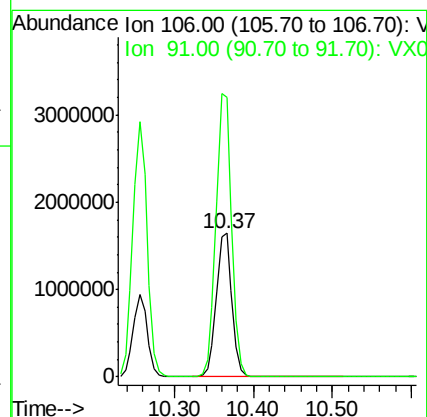
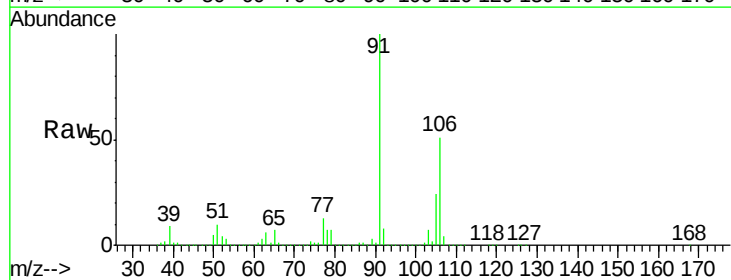
Acq: 28 Jun 2018 01:46

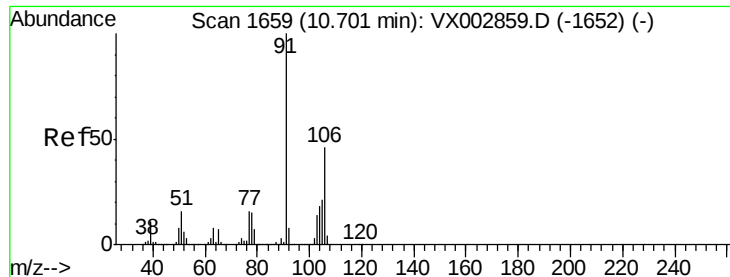
Tgt Ion:106 Resp: 2234900

Ion Ratio Lower Upper

106 100

91 200.6 163.4 245.2

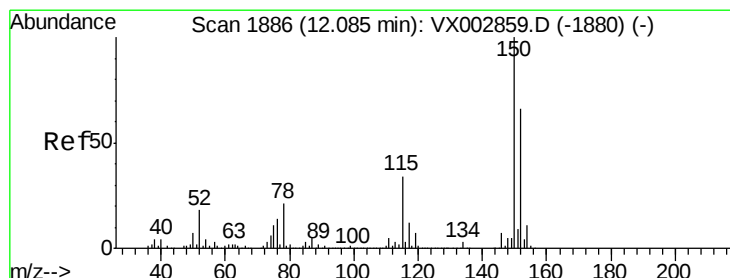
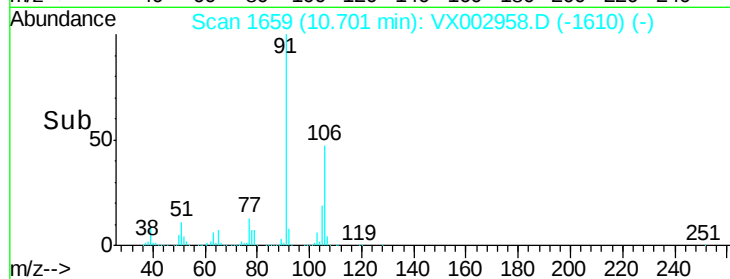
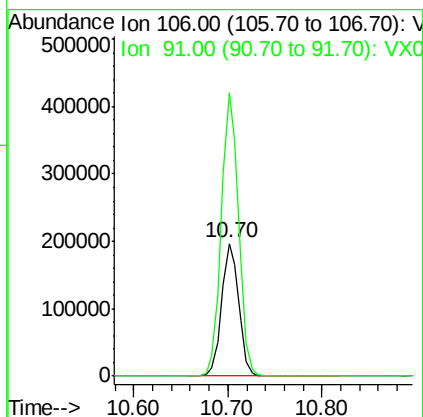
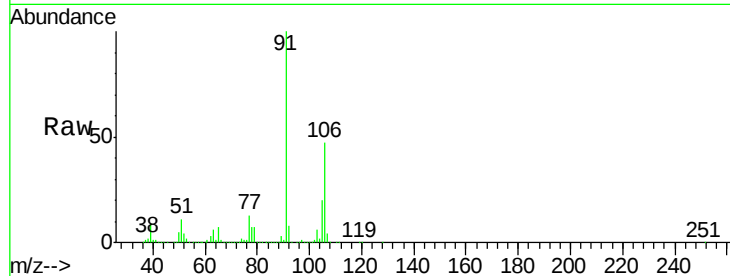




#69
o-Xylene
Concen: 43.96 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

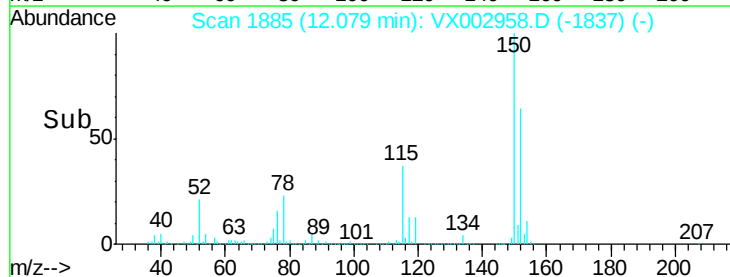
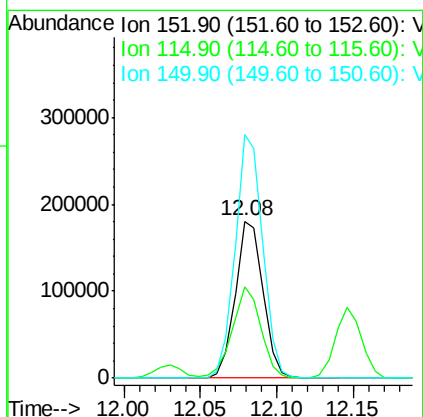
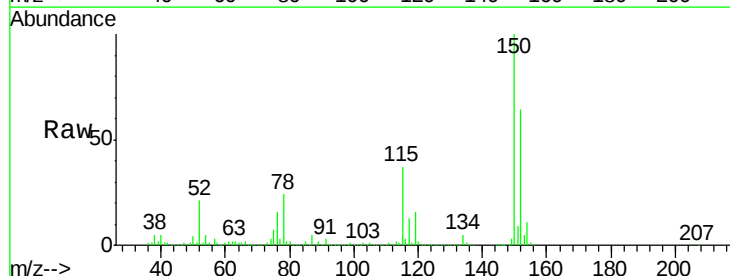
Instrument :
MSVOA_X
ClientSampled :
S83-0019

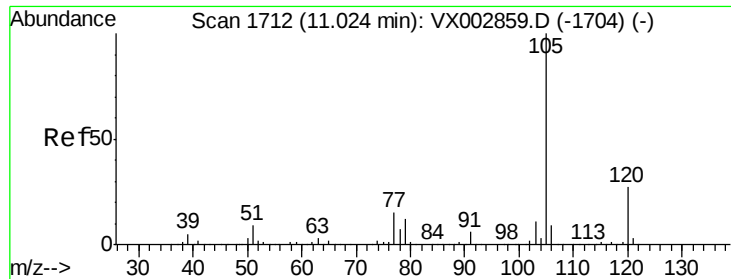
Tot Ion:106 Resp: 247531
Ion Ratio Lower Upper
106 100
91 215.4 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion:152 Resp: 225555
Ion Ratio Lower Upper
152 100
115 59.3 40.1 120.2
150 154.6 0.0 347.2





#73

Isopropylbenzene

Concen: 29.54 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

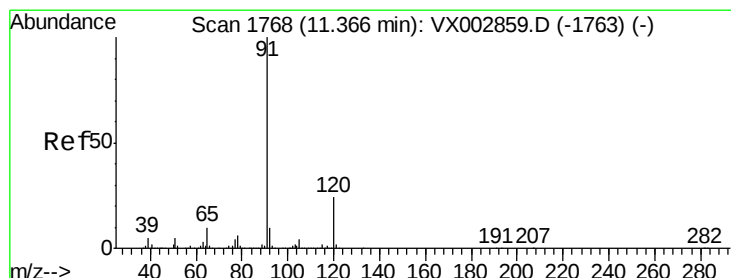
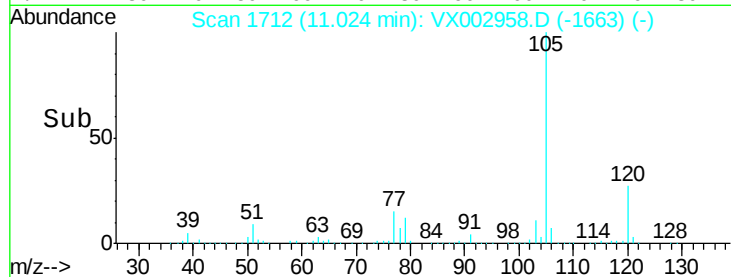
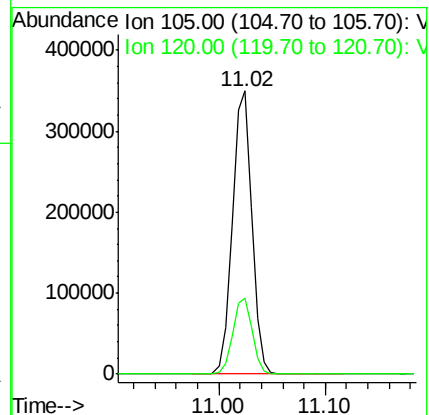
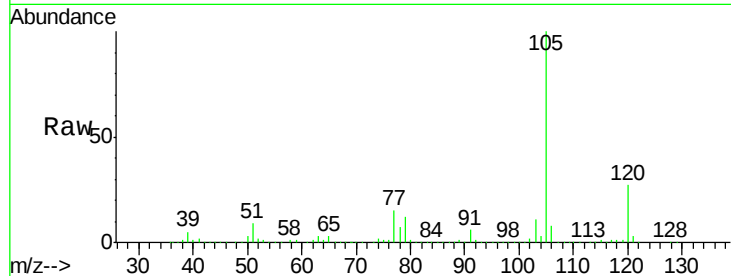
S83-0019

Tot Ion:105 Resp: 448168

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#78

n-propylbenzene

Concen: 28.70 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX002958.D

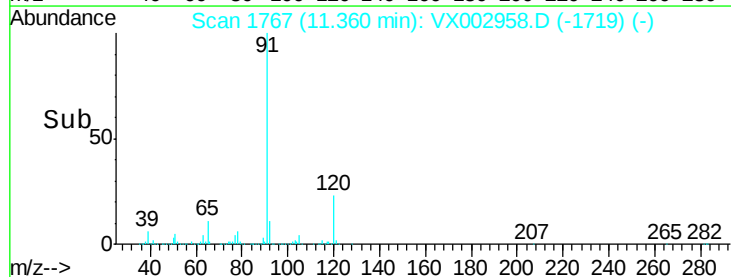
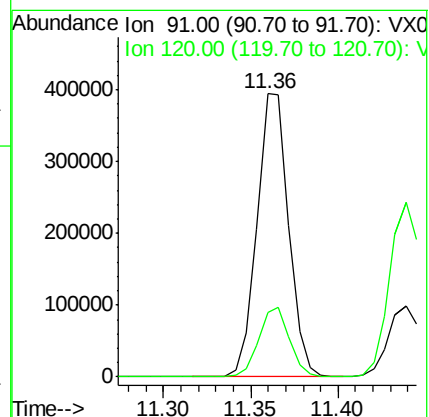
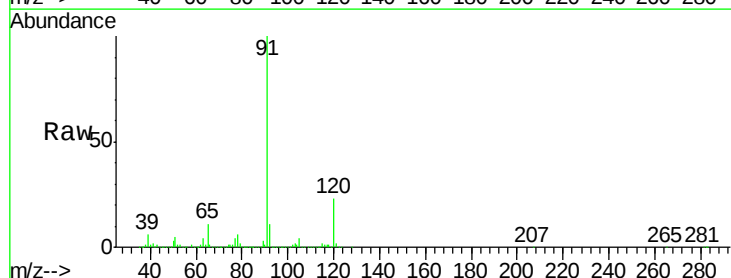
Acq: 28 Jun 2018 01:46

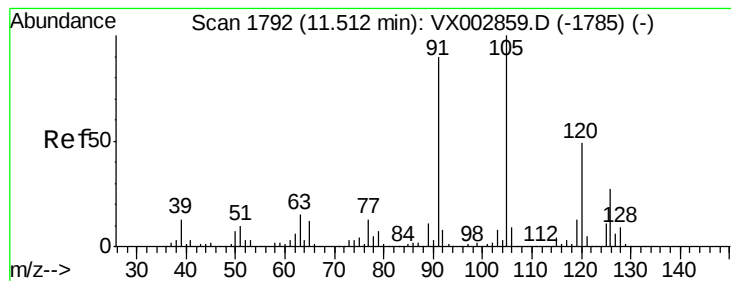
Tgt Ion: 91 Resp: 495712

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 106.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

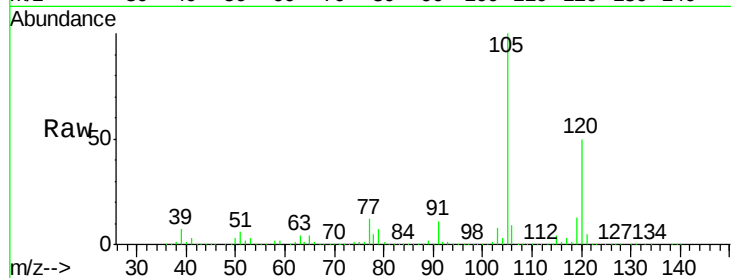
S83-0019

Tot Ion:105 Resp: 1359282

Ion Ratio Lower Upper

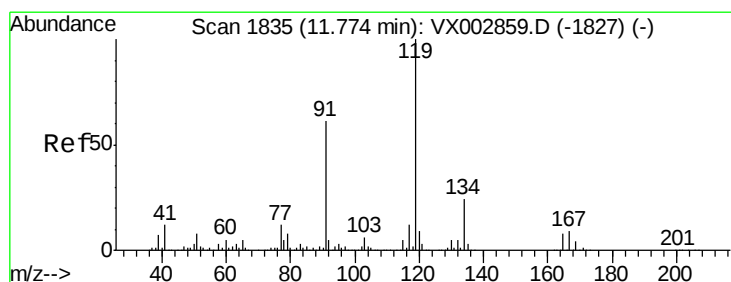
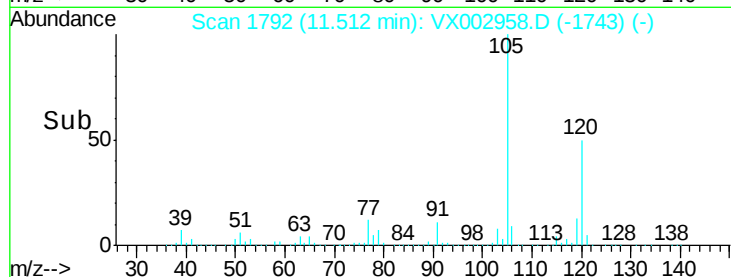
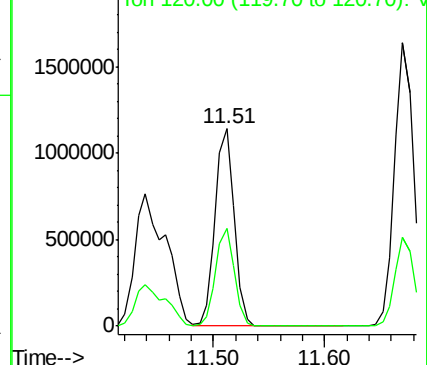
105 100

120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 2.00 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

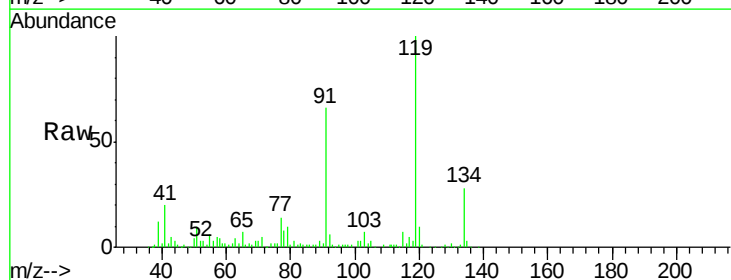
Tgt Ion:119 Resp: 25206

Ion Ratio Lower Upper

119 100

91 68.3 30.3 90.9

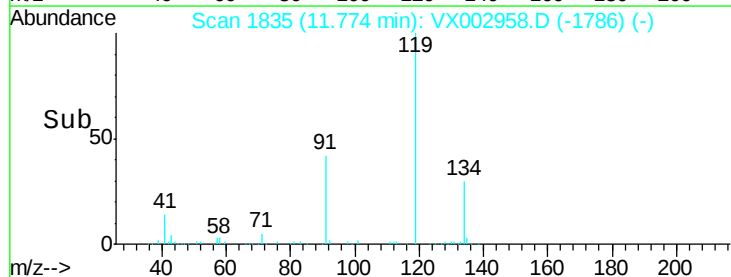
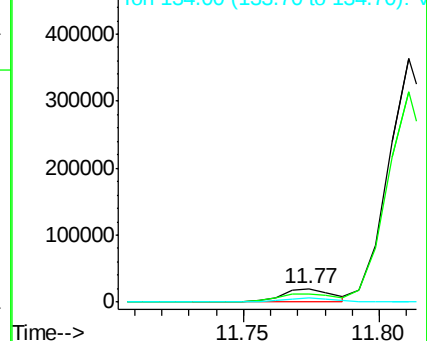
134 27.9 11.7 35.1

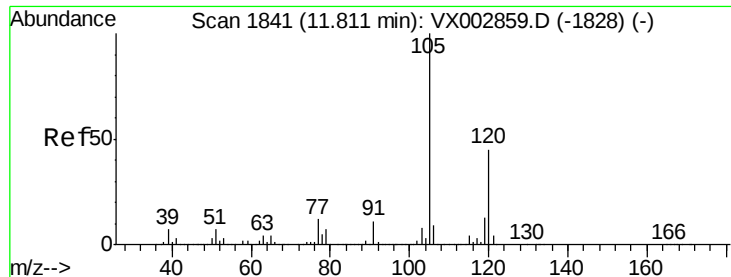


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

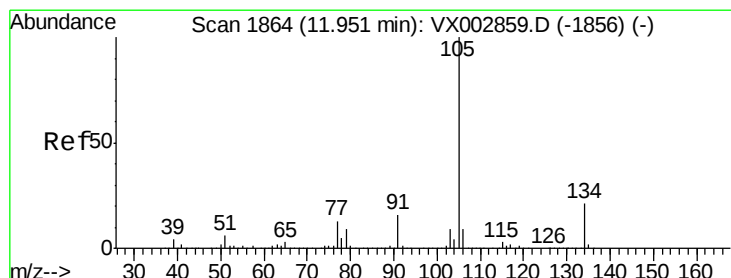
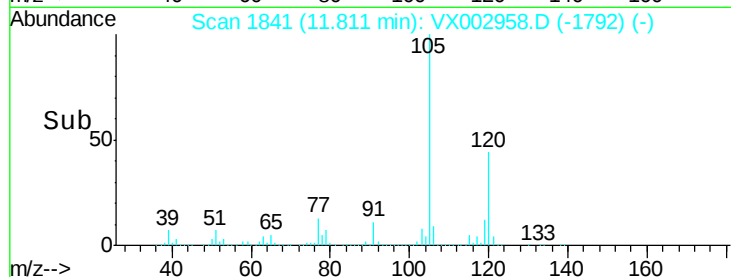
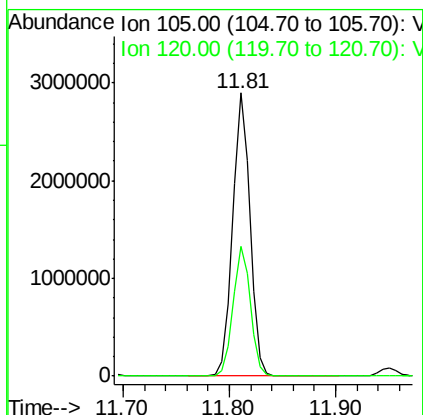
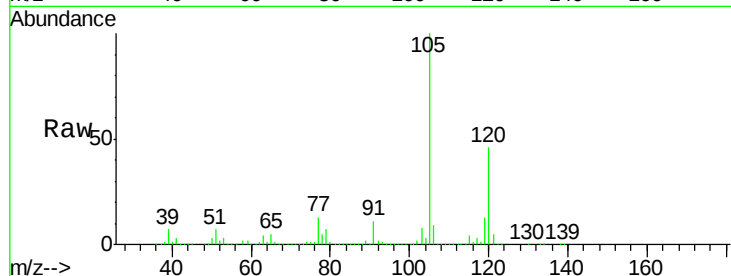




#84
1,2,4-Trimethylbenzene
Concen: 250.59 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

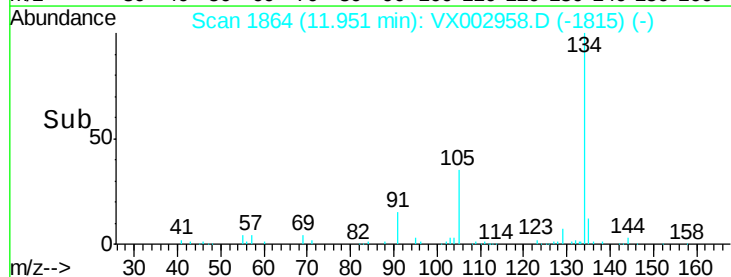
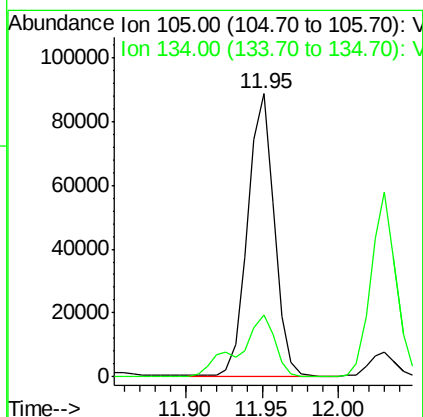
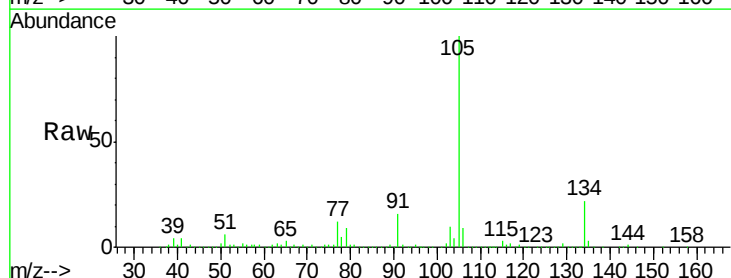
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

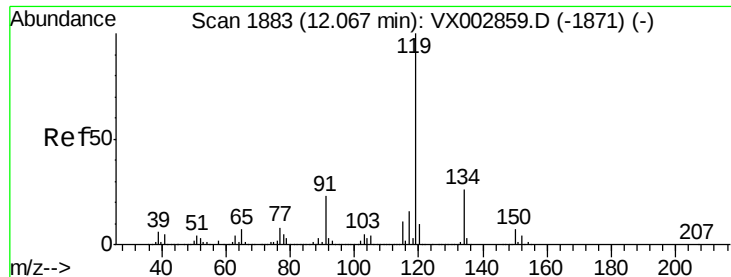
Tot Ion:105 Resp: 3318209
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.8



#85
sec-Butylbenzene
Concen: 6.98 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion:105 Resp: 106674
Ion Ratio Lower Upper
105 100
134 29.8 10.4 31.1

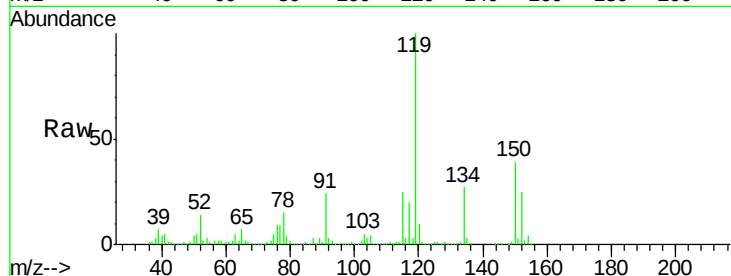




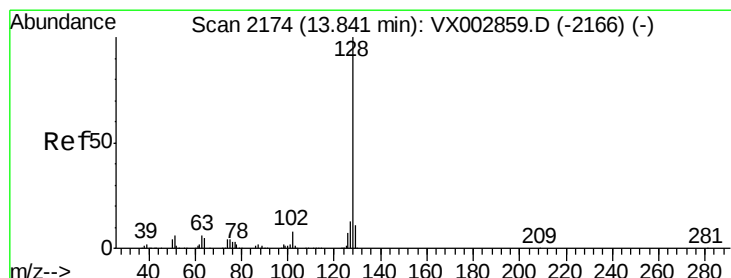
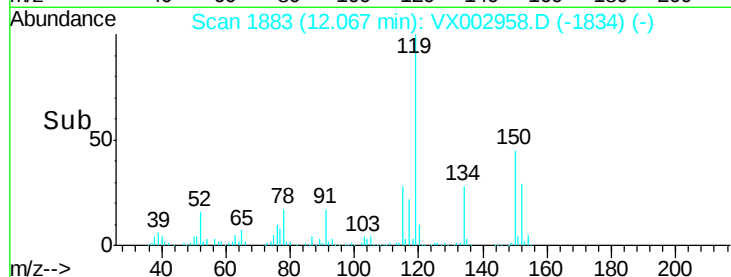
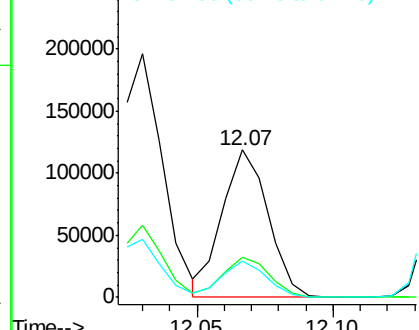
#86
p-Isopropyltoluene
Concen: 10.06 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Instrument :
MSVOA_X
ClientSampled :
S83-0019

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.1
91	24.1	11.9	35.7

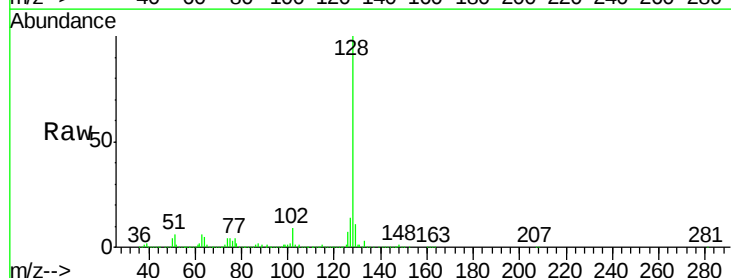


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 40.44 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	12.2	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

