

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002959.D
 Acq On : 28 Jun 2018 02:13
 Operator : JC/MD
 Sample : J3631-04DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019DL

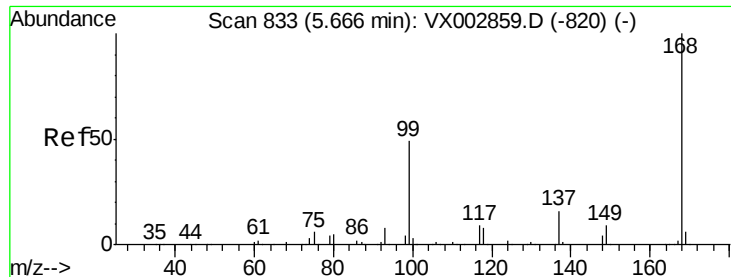
Quant Time: Jun 28 15:30:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217201	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	184019	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.06%		
35) Dibromofluoromethane	5.51	113	145168	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.96%		
50) Toluene-d8	8.72	98	545743	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.72%		
62) 4-Bromofluorobenzene	11.14	95	204893	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	25509	5.31	ug/l	98
39) Methylcyclohexane	7.46	83	25281	5.07	ug/l	97
40) Benzene	6.15	78	299637	24.10	ug/l	99
52) Toluene	8.79	92	11622	1.46	ug/l	99
67) Ethyl Benzene	10.26	91	328983	21.69	ug/l	99
68) m/p-Xylenes	10.36	106	191303	32.72	ug/l	100
69) o-Xylene	10.70	106	21624	3.80	ug/l	98
73) Isopropylbenzene	11.02	105	38771	2.65	ug/l	100
78) n-propylbenzene	11.37	91	43577	2.62	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	121033	9.83	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	296754	23.27	ug/l	98
95) Naphthalene	13.84	128	54908	3.69	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

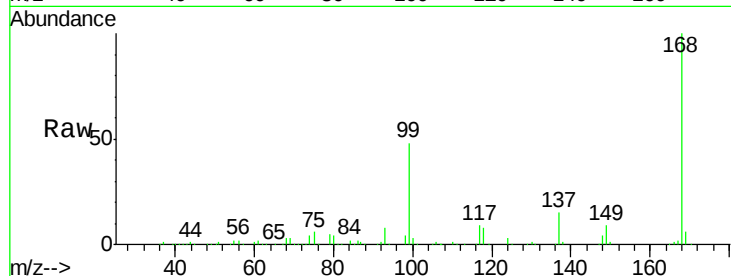
S83-0019DL

Tot Ion:168 Resp: 277183

Ion Ratio Lower Upper

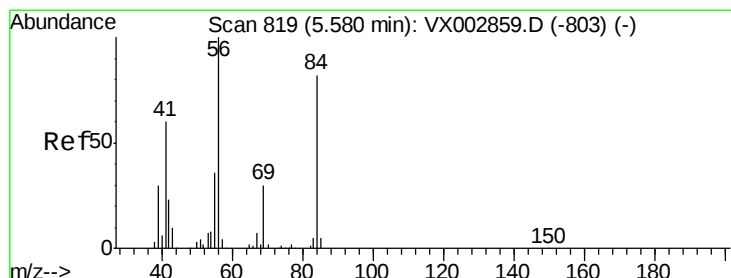
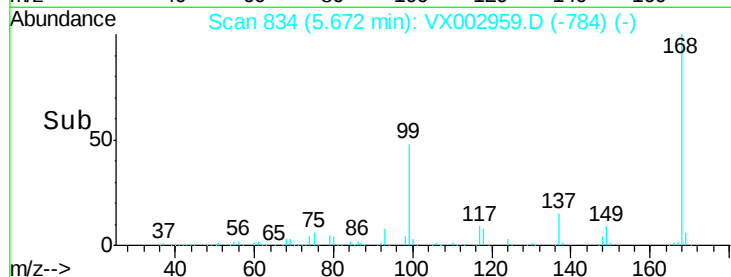
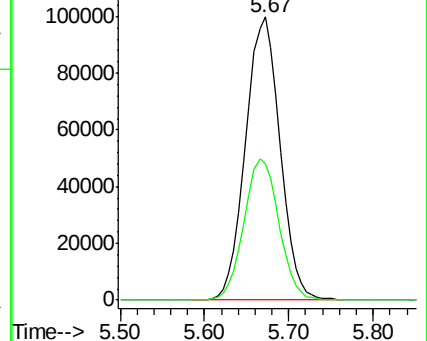
168 100

99 48.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 5.31 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

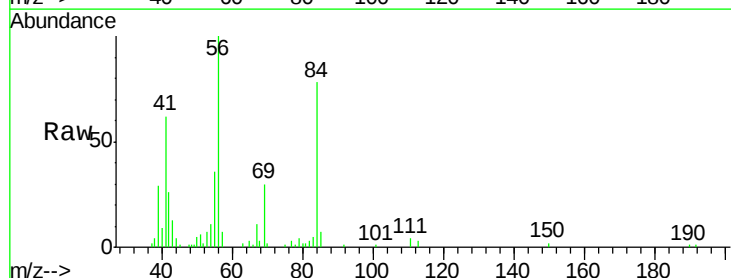
Tgt Ion: 56 Resp: 25509

Ion Ratio Lower Upper

56 100

69 29.3 23.7 35.5

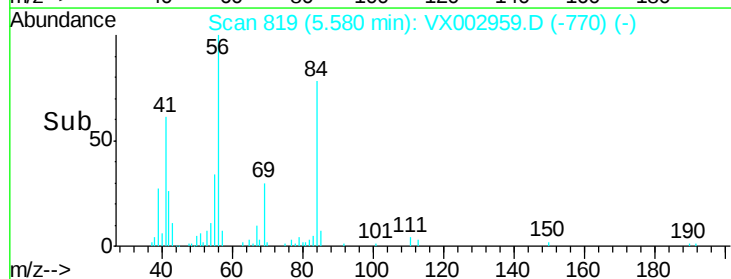
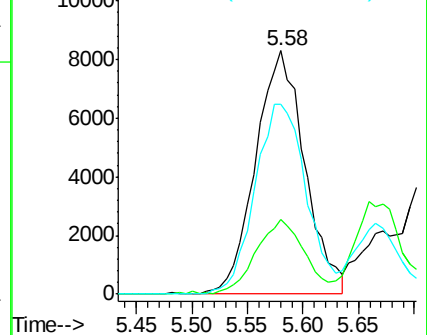
84 78.0 64.1 96.1

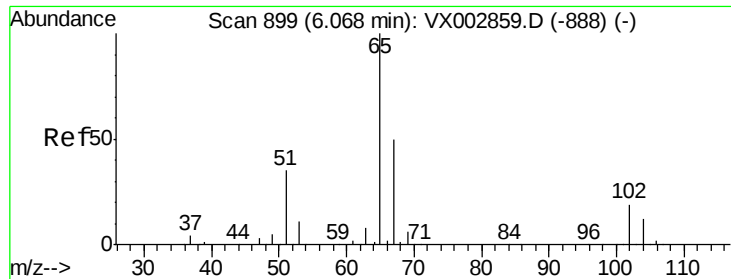


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.03 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

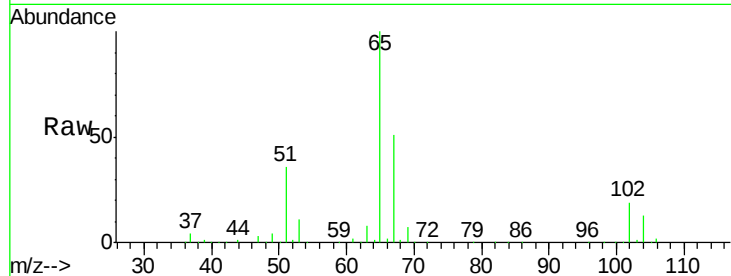
S83-0019DL

Tot Ion: 65 Resp: 184019

Ion Ratio Lower Upper

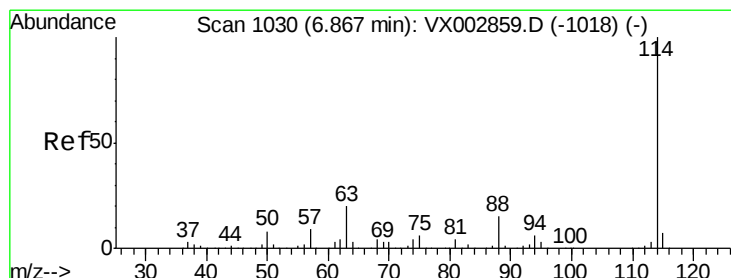
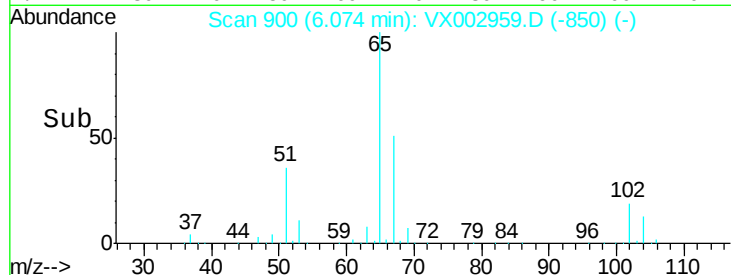
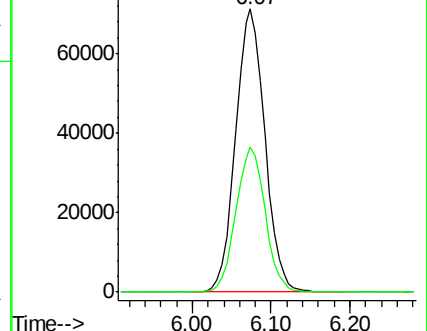
65 100

67 51.2 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: VX002959.D

Acq: 28 Jun 2018 02:13

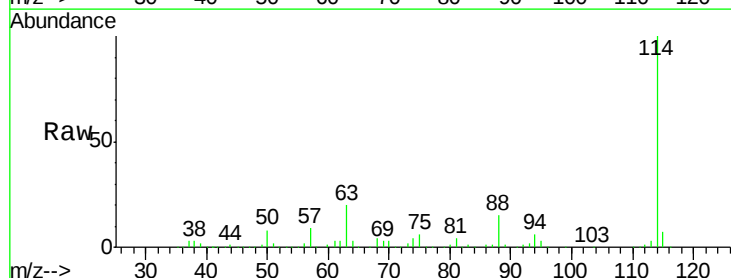
Tgt Ion: 114 Resp: 390204

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

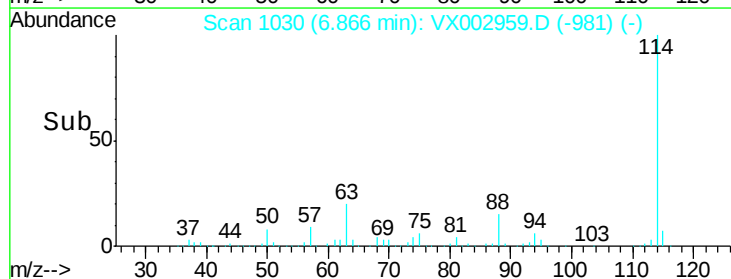
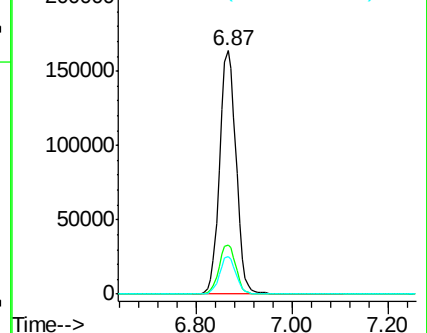
88 15.3 0.0 30.0

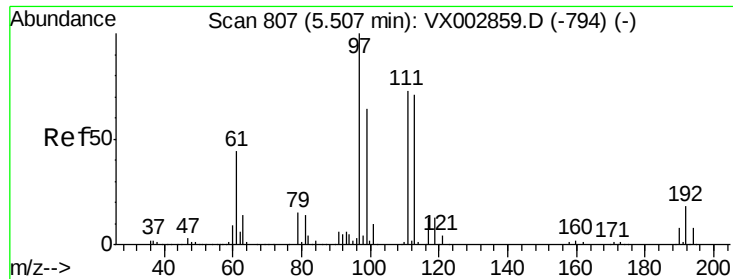


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

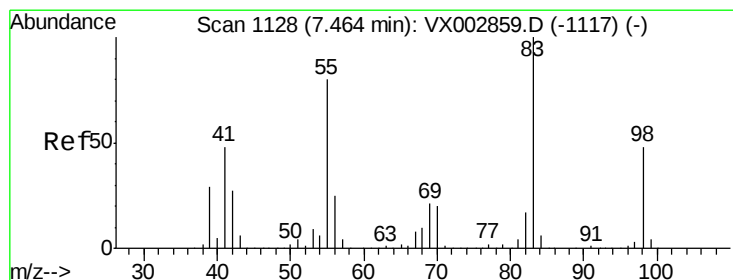
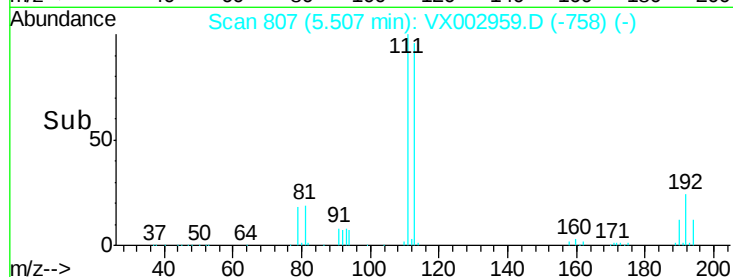
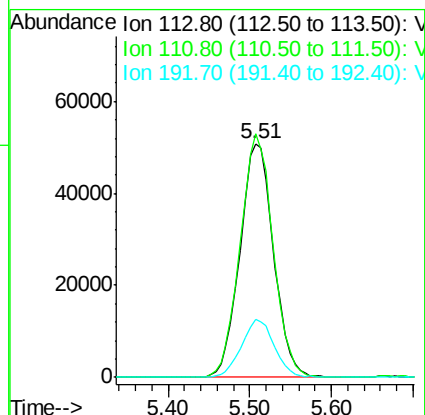
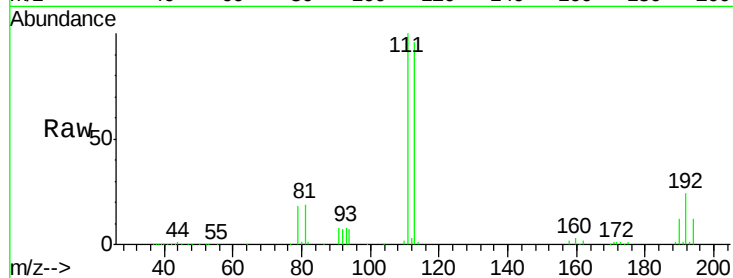




#35
Dibromofluoromethane
Concen: 46.98 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

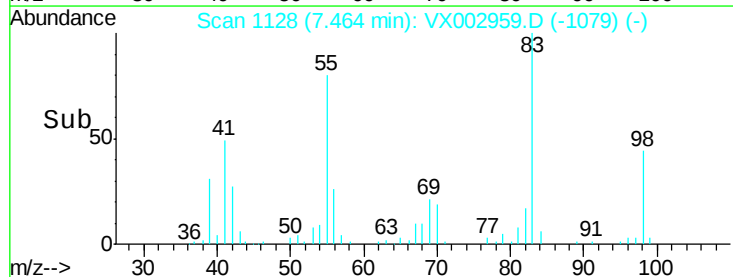
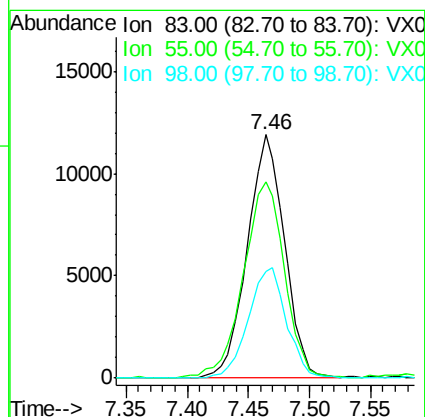
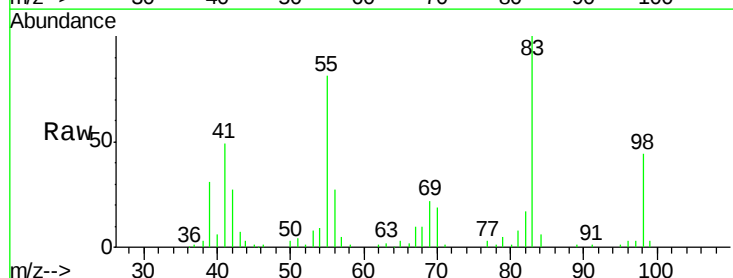
Instrument :
MSVOA_X
ClientSampleID :
S83-0019DL

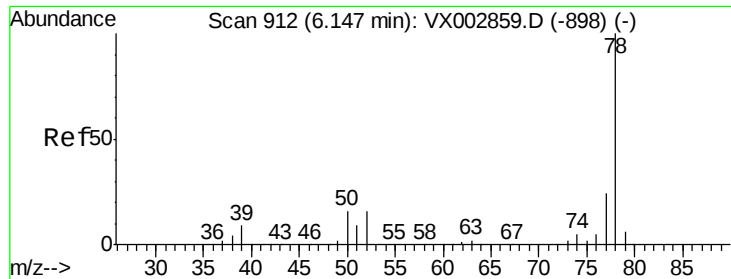
Tot Ion:113 Resp: 145168
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 24.3 19.1 28.7



#39
Methylcyclohexane
Concen: 5.07 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 83 Resp: 25281
Ion Ratio Lower Upper
83 100
55 80.1 65.4 98.0
98 43.9 37.4 56.0





#40

Benzene

Concen: 24.10 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

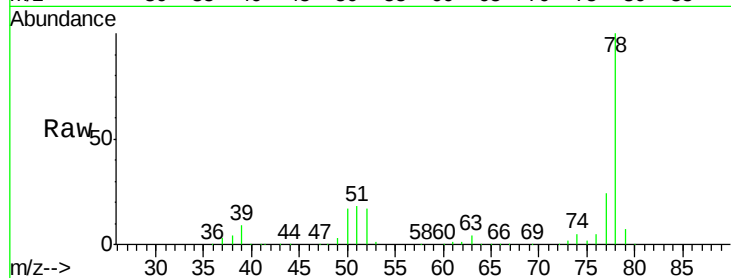
S83-0019DL

Tot Ion: 78 Resp: 299637

Ion Ratio Lower Upper

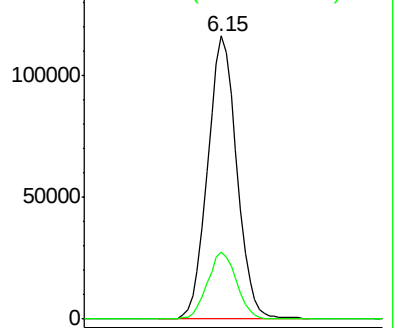
78 100

77 23.5 19.1 28.7

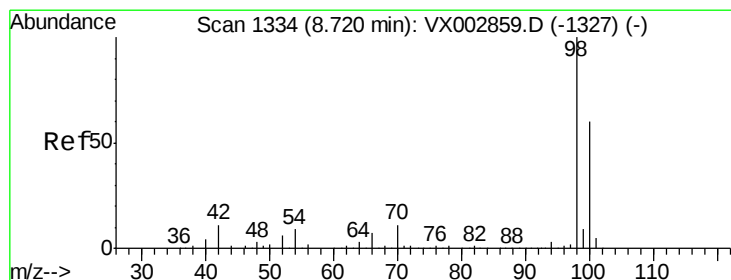
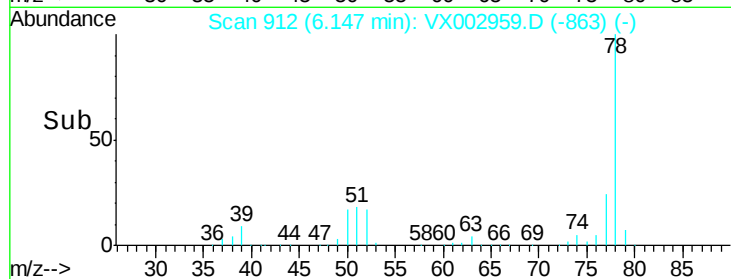


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002959.D

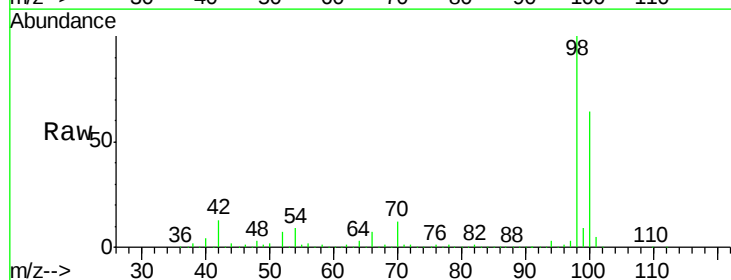
Acq: 28 Jun 2018 02:13

Tgt Ion: 98 Resp: 545743

Ion Ratio Lower Upper

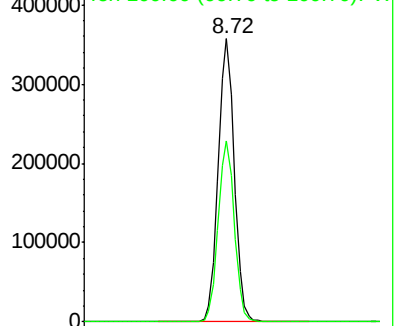
98 100

100 64.1 50.9 76.3

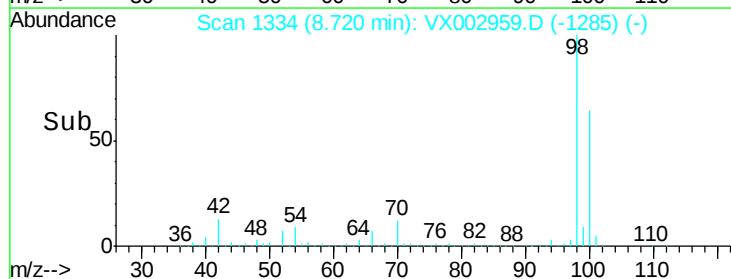


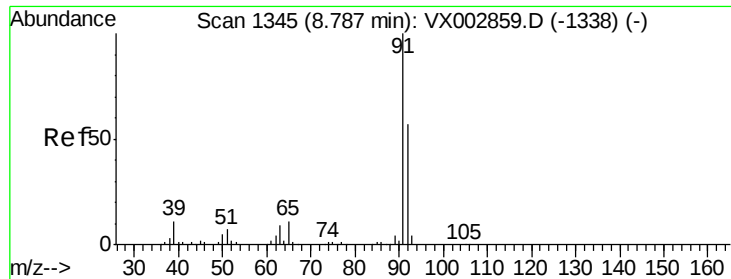
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#52

Toluene

Concen: 1.46 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

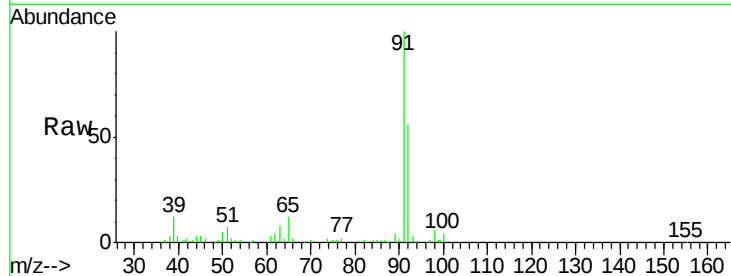
S83-0019DL

Tot Ion: 92 Resp: 11622

Ion Ratio Lower Upper

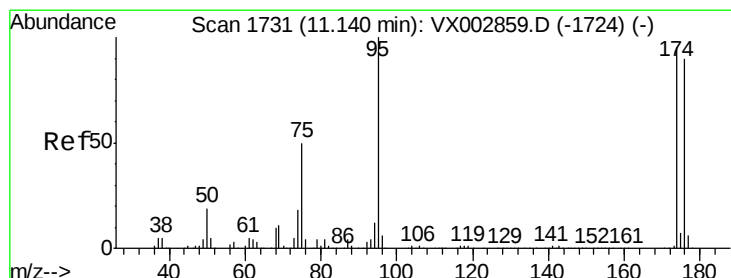
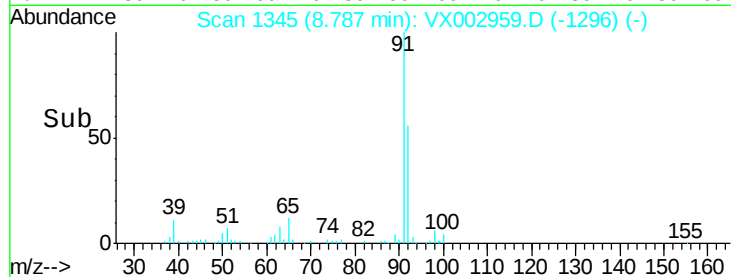
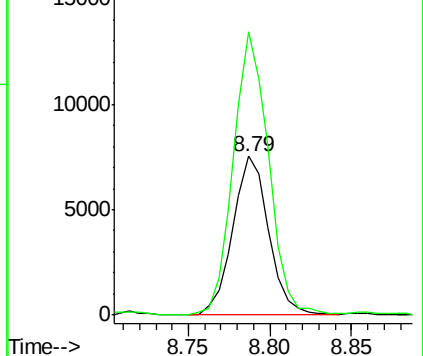
92 100

91 173.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

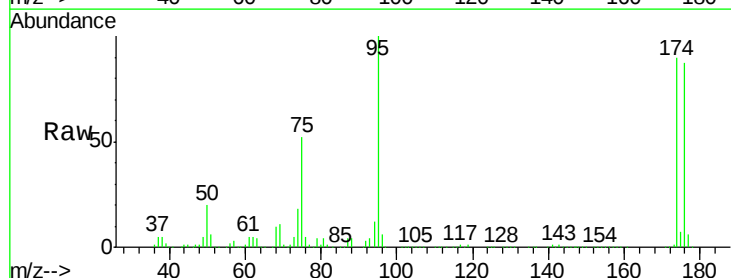
Tgt Ion: 95 Resp: 204893

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.4

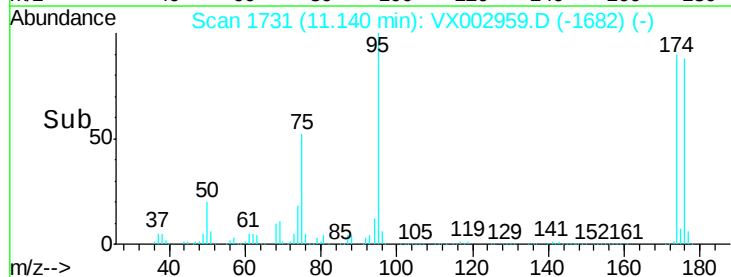
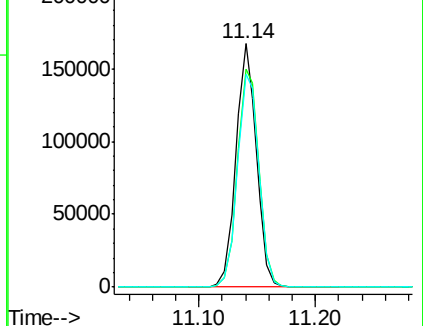
176 91.9 0.0 181.0

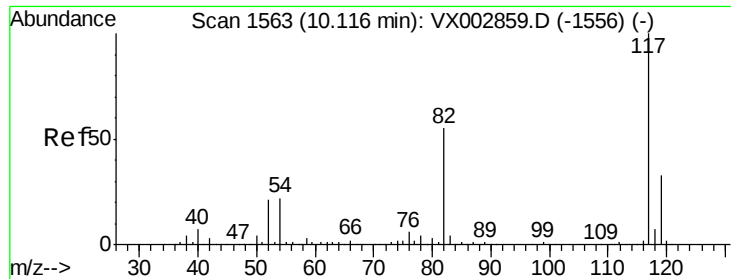


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

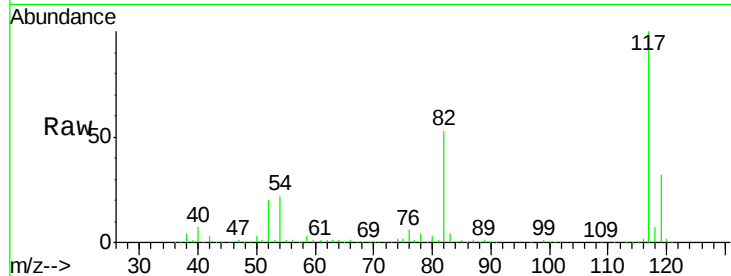




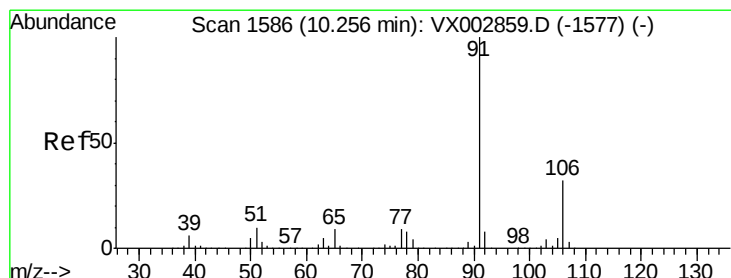
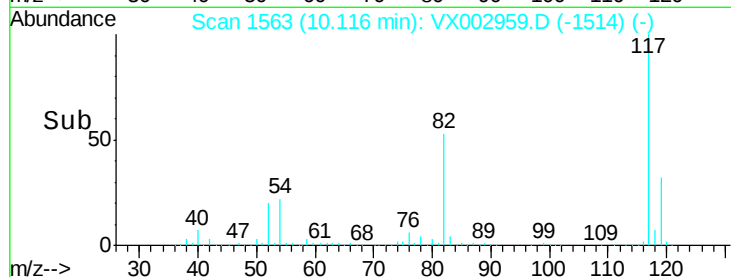
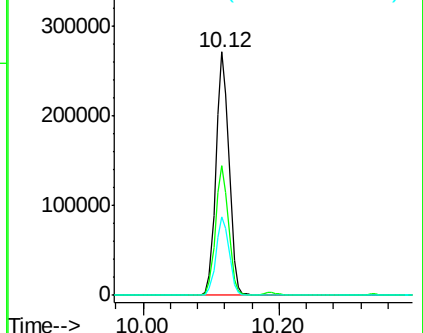
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

Tot Ion:117 Resp: 361509
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.1 25.8 38.6

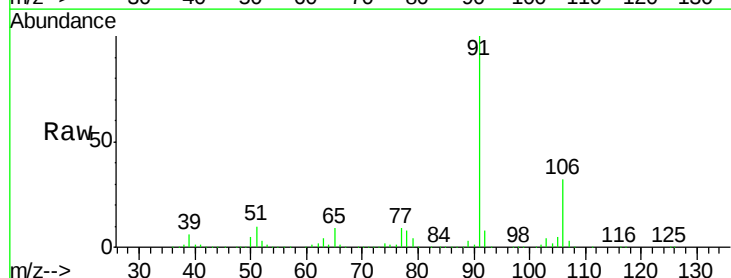


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

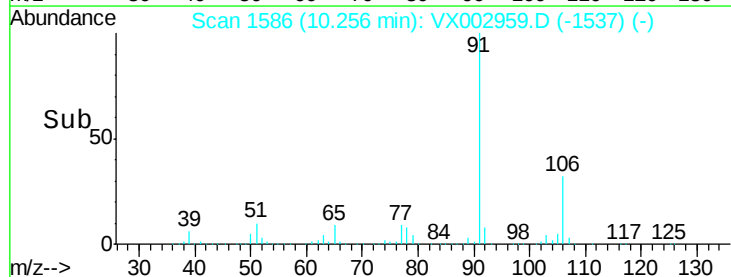
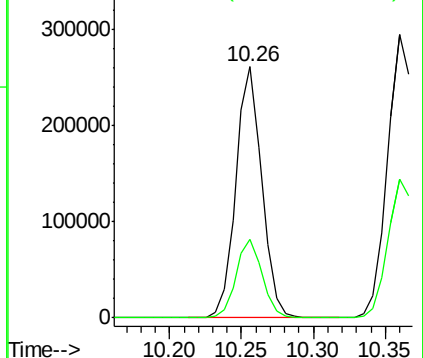


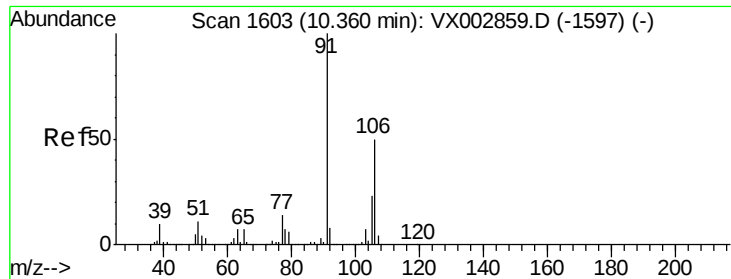
#67
Ethyl Benzene
Concen: 21.69 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 91 Resp: 328983
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

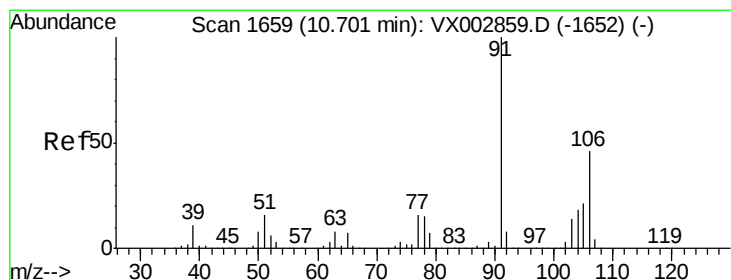
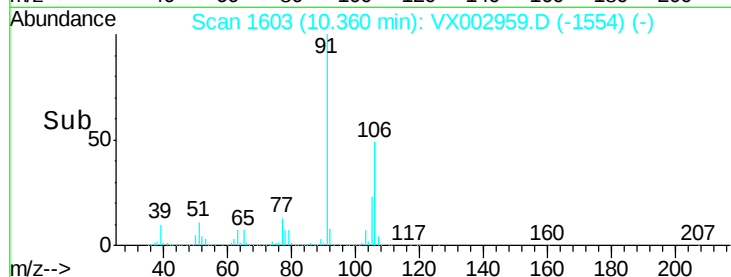
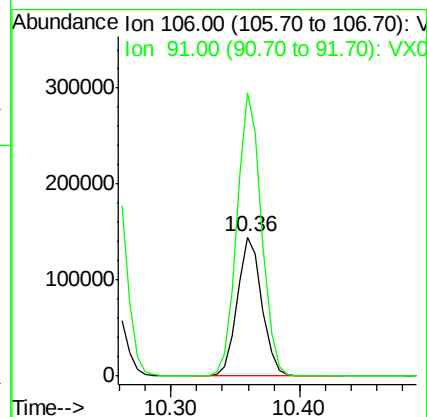
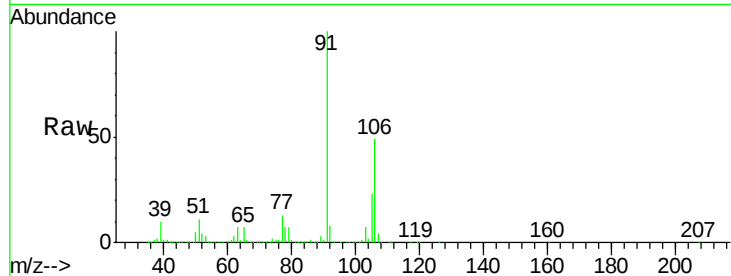




#68
m/p-Xvlenes
Concen: 32.72 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

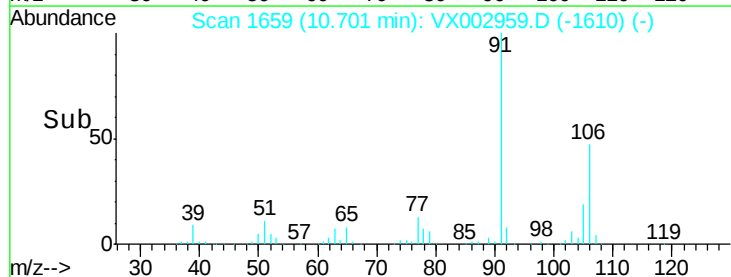
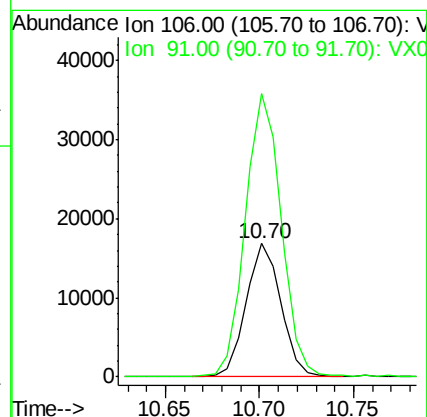
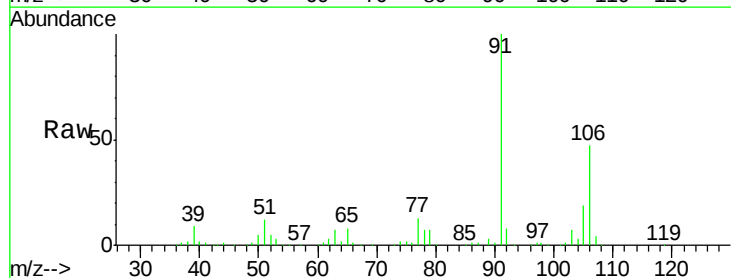
Instrument :
MSVOA_X
ClientSampleId :
S83-0019DL

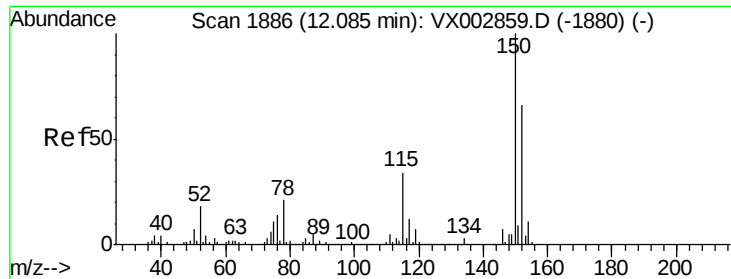
Tot Ion:106 Resp: 191303
Ion Ratio Lower Upper
106 100
91 204.1 163.4 245.2



#69
o-Xylene
Concen: 3.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion:106 Resp: 21624
Ion Ratio Lower Upper
106 100
91 219.4 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

S83-0019DL

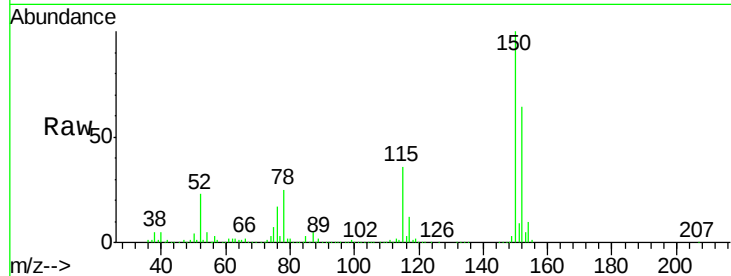
Tot Ion:152 Resp: 217201

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

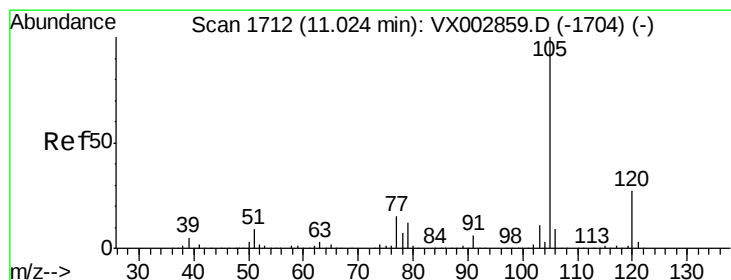
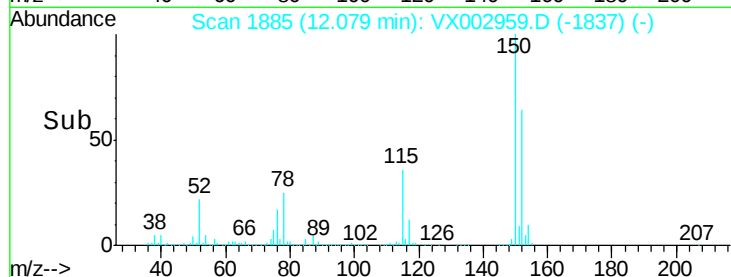
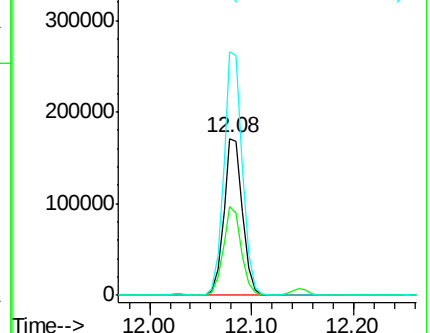
150 155.1 0.0 347.2



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: 2.65 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002959.D

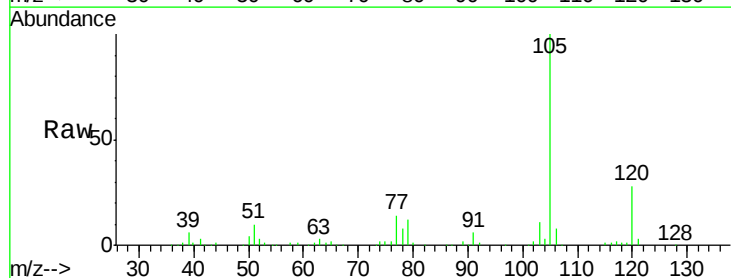
Acq: 28 Jun 2018 02:13

Tgt Ion:105 Resp: 38771

Ion Ratio Lower Upper

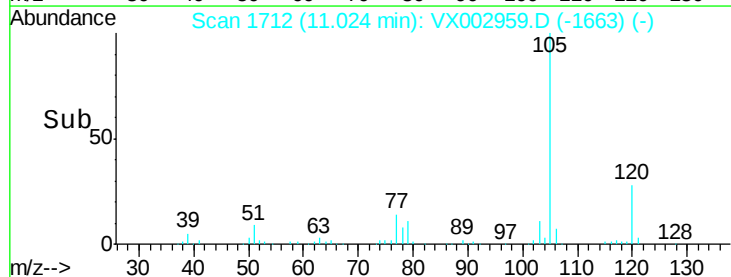
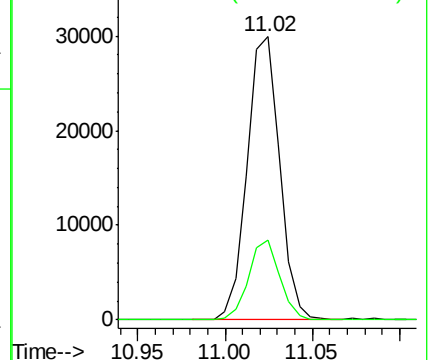
105 100

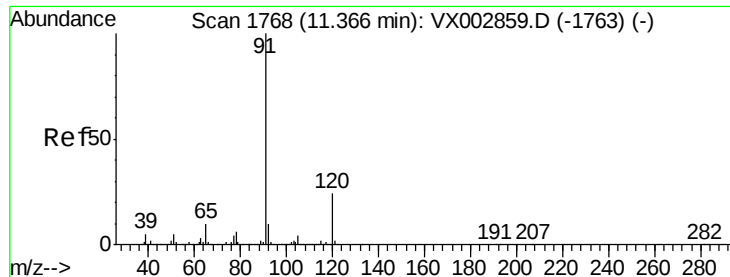
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.62 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

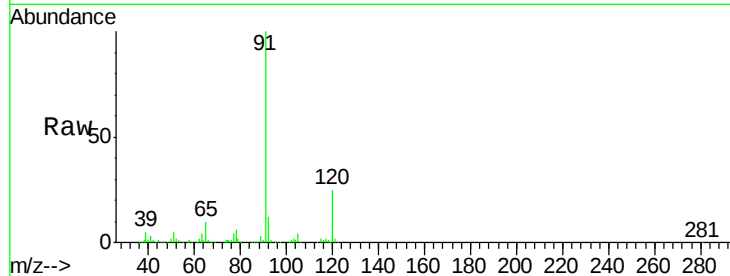
S83-0019DL

Tot Ion: 91 Resp: 43577

Ion Ratio Lower Upper

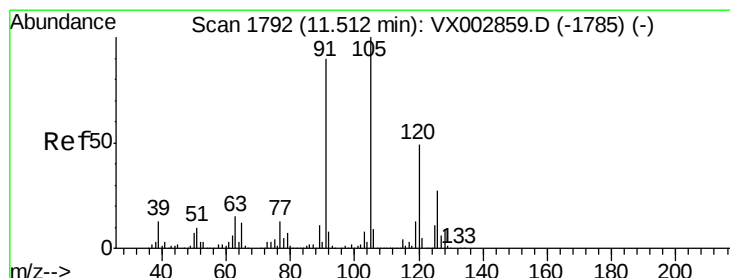
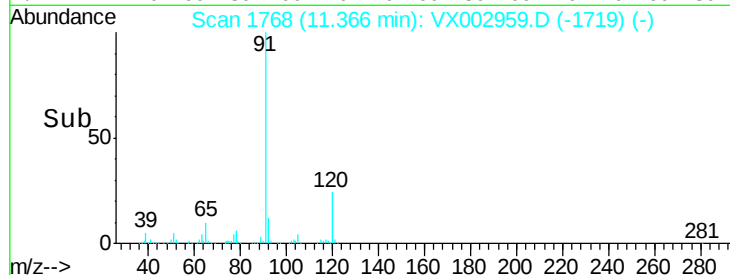
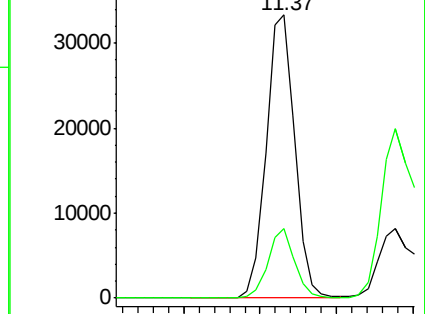
91 100

120 22.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX002959.D (-1763) (-)

Ion 120.00 (119.70 to 120.70): VX002959.D (-1763) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002959.D

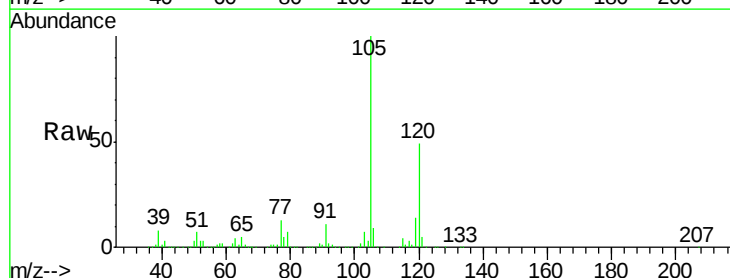
Acq: 28 Jun 2018 02:13

Tgt Ion: 105 Resp: 121033

Ion Ratio Lower Upper

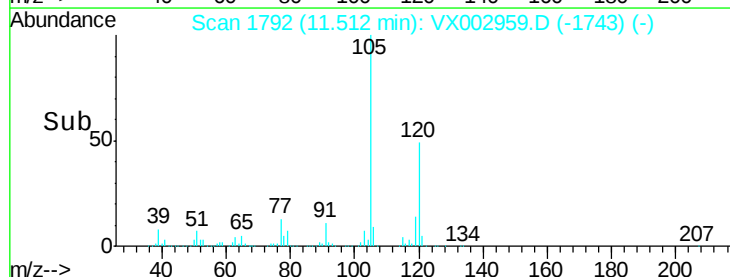
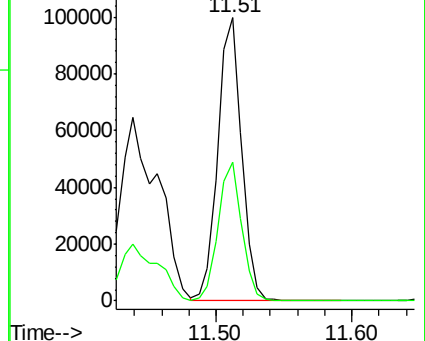
105 100

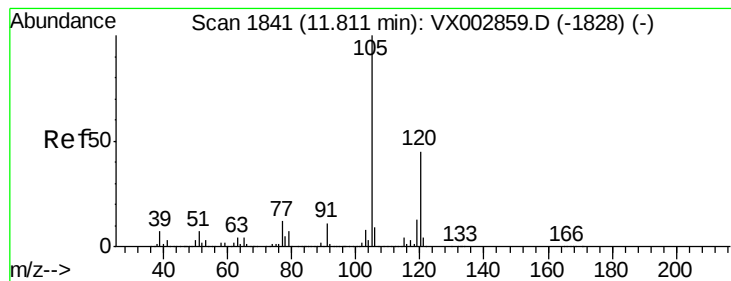
120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002959.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002959.D (-1785) (-)





#84

1,2,4-Trimethylbenzene

Concen: 23.27 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

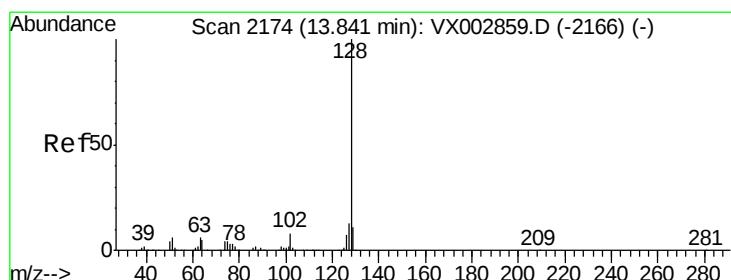
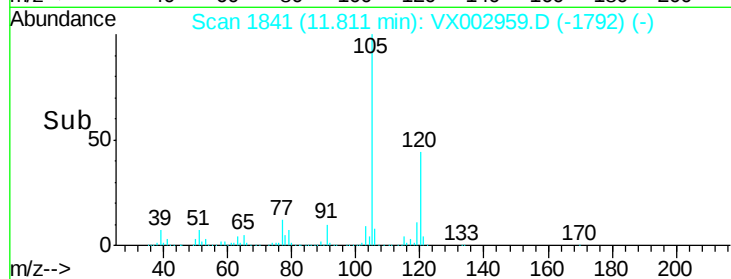
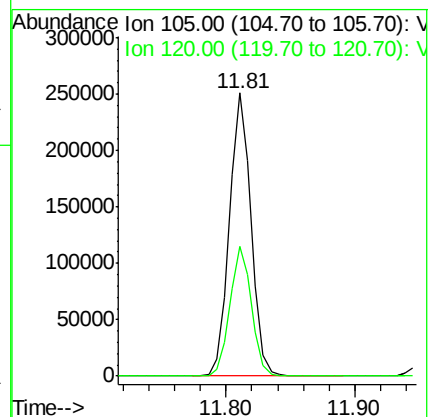
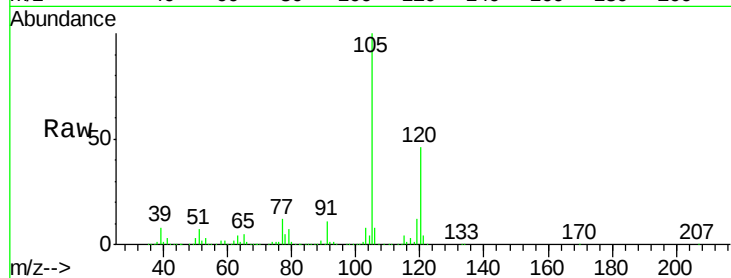
S83-0019DL

Tot Ion:105 Resp: 296754

Ion Ratio Lower Upper

105 100

120 46.0 22.3 66.8



#95

Naphthalene

Concen: 3.69 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Tgt Ion:128 Resp: 54908

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 12.0 8.6 13.0

