

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070318\
 Data File : VX003150.D
 Acq On : 03 Jul 2018 15:52
 Operator : JC/MD
 Sample : J3754-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0139

Quant Time: Jul 05 09:36:02 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	264370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	168779	46.19	ug/l	0.01
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	5.51	113	140730	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	8.72	98	516797	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.14	95	186384	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

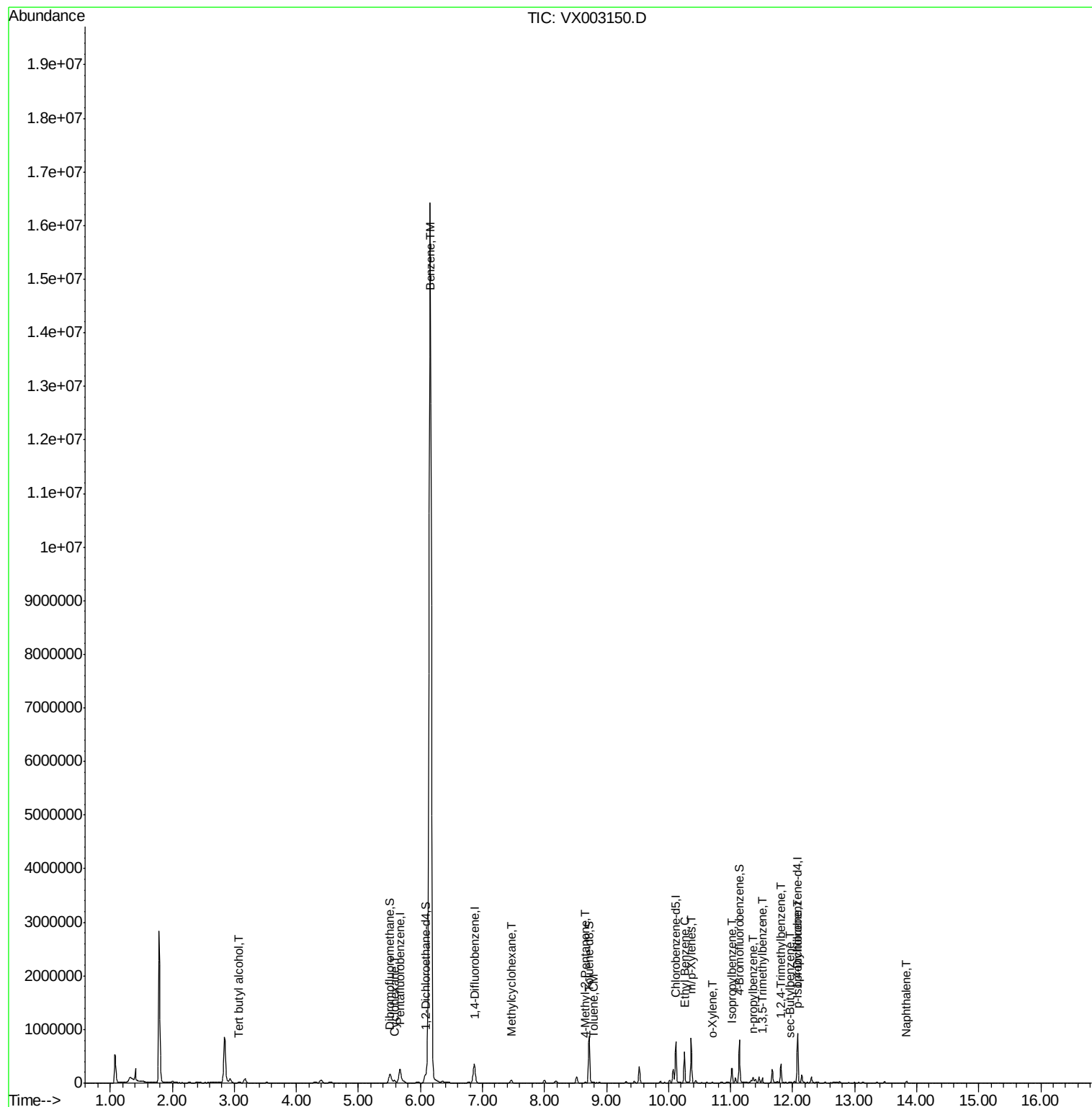
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	16520	22.694	ug/l	100
31) Cyclohexane	5.58	56	31008	6.767	ug/l	91
39) Methylcyclohexane	7.46	83	20442	4.365	ug/l	93
40) Benzene	6.16	78	19359281	1657.299	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	10205	2.247	ug/l	92
52) Toluene	8.79	92	4953	0.662	ug/l	94
67) Ethyl Benzene	10.26	91	327371	22.619	ug/l	99
68) m/p-Xylenes	10.37	106	188222	33.743	ug/l	98
69) o-Xylene	10.70	106	1645	0.303	ug/l	99
73) Isopropylbenzene	11.02	105	142179	10.587	ug/l	98
78) n-propylbenzene	11.37	91	61457	4.020	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	39246	3.470	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	150640	12.854	ug/l	96
85) sec-Butylbenzene	11.95	105	4738	0.350	ug/l	82
86) p-Isopropyltoluene	12.07	119	4636m	0.381	ug/l	
95) Naphthalene	13.84	128	16328	1.195	ug/l	99

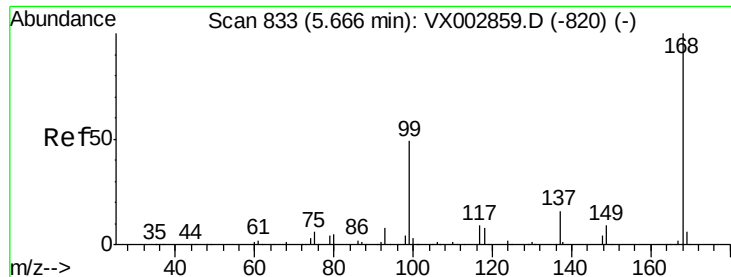
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

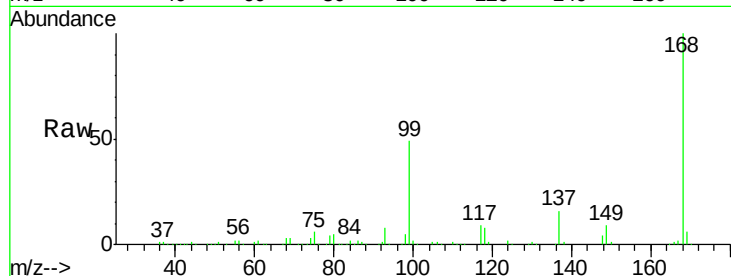
S10-0139

Tot Ion:168 Resp: 264370

Ion Ratio Lower Upper

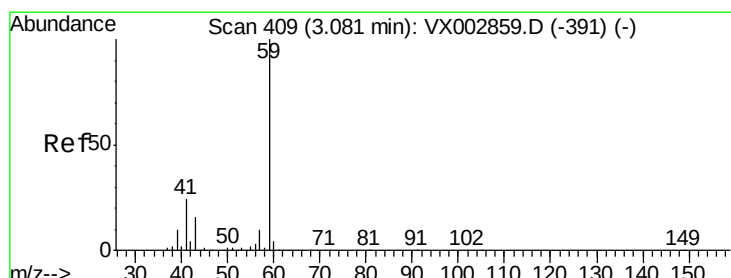
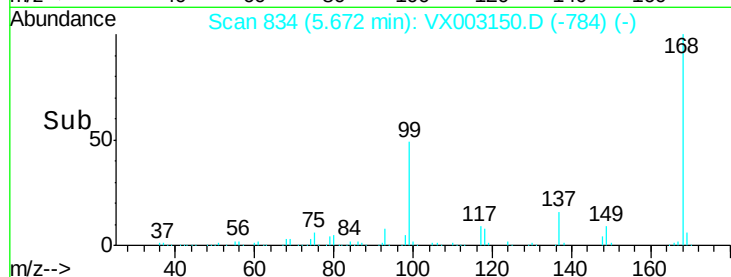
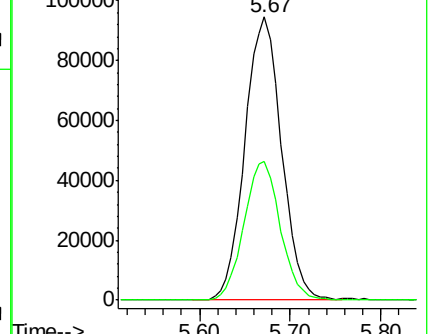
168 100

99 48.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 22.694 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003150.D

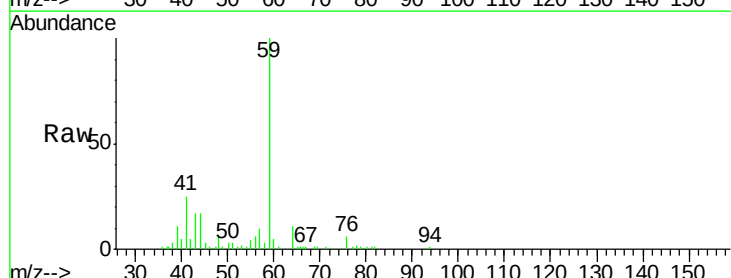
Acq: 03 Jul 2018 15:52

Tgt Ion: 59 Resp: 16520

Ion Ratio Lower Upper

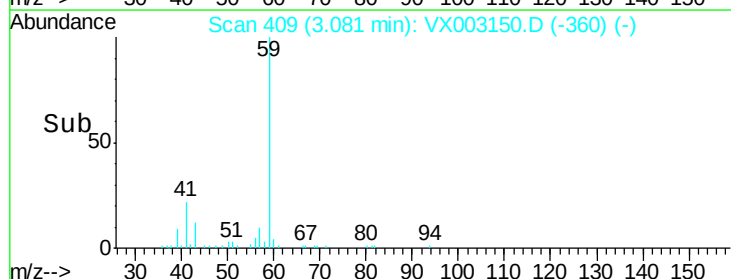
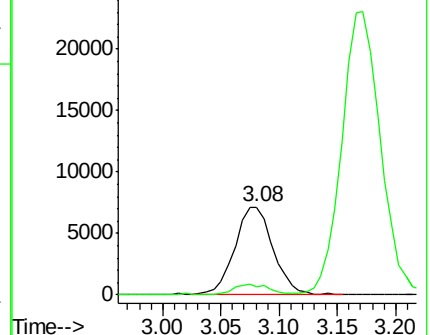
59 100

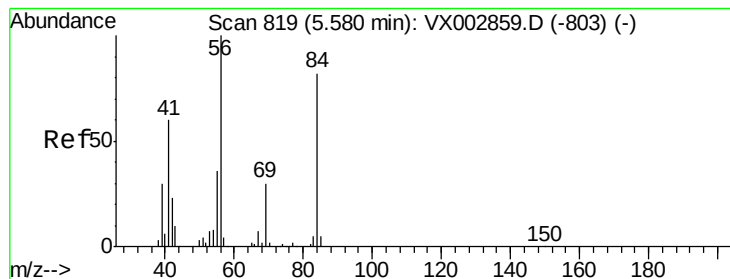
57 10.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#31

Cyclohexane

Concen: 6.767 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

S10-0139

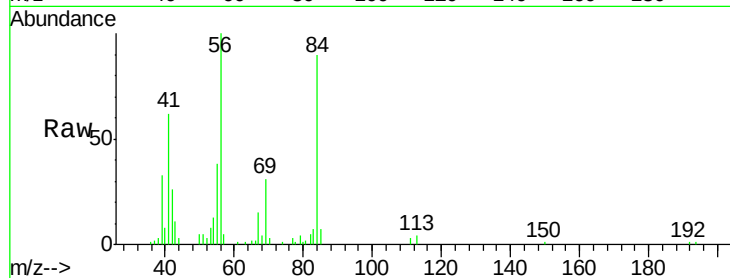
Tot Ion: 56 Resp: 31008

Ion Ratio Lower Upper

56 100

69 30.7 23.7 35.5

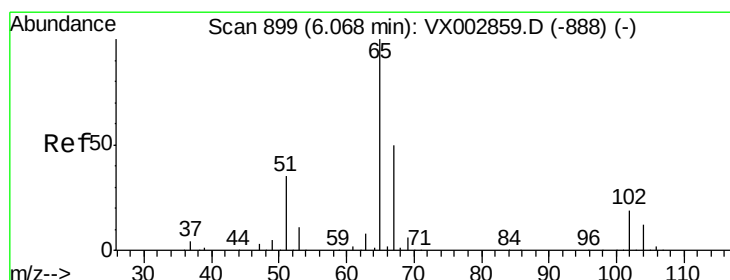
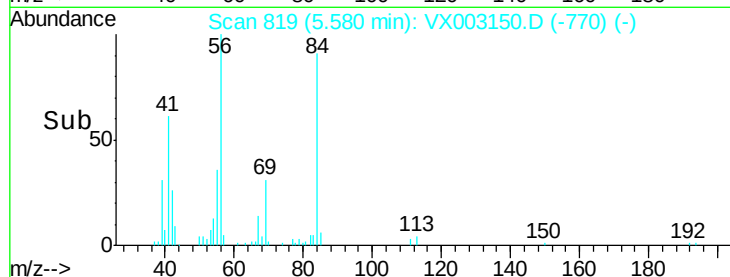
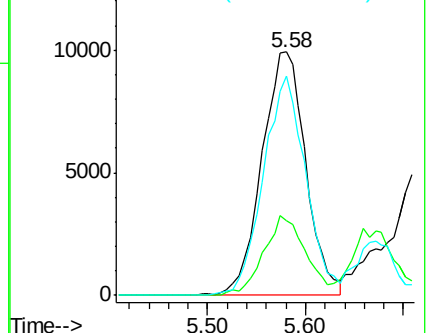
84 90.1 64.1 96.1



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: 46.189 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX003150.D

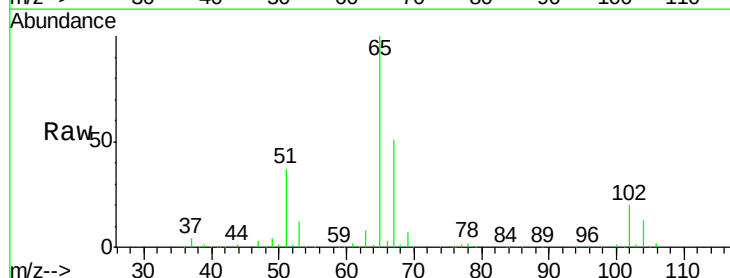
Acq: 03 Jul 2018 15:52

Tgt Ion: 65 Resp: 168779

Ion Ratio Lower Upper

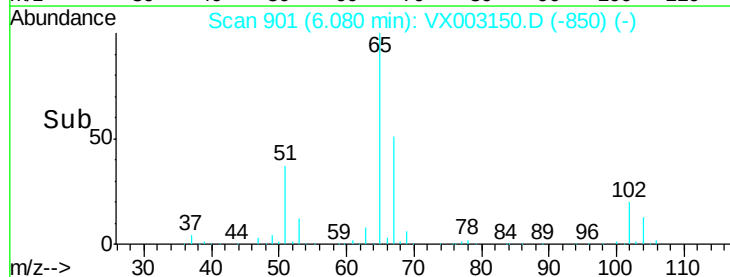
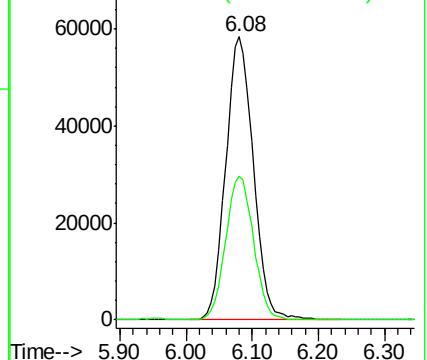
65 100

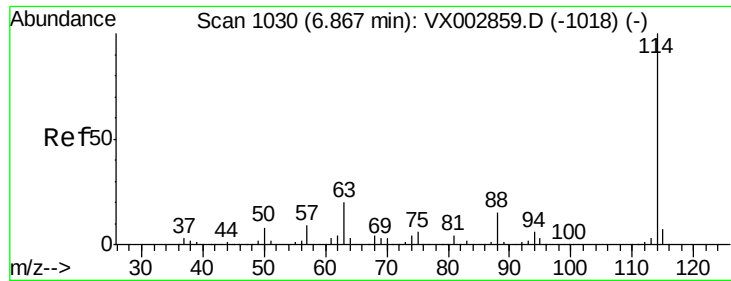
67 50.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

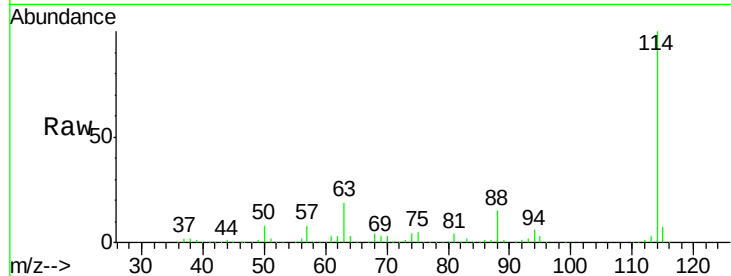




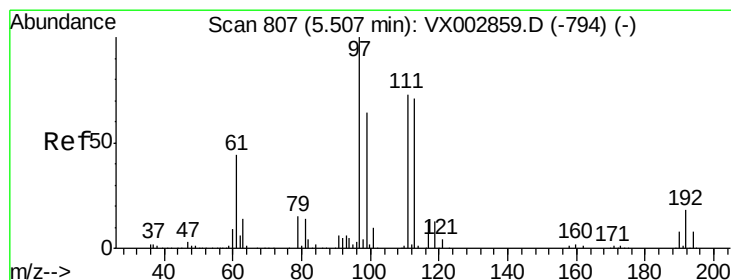
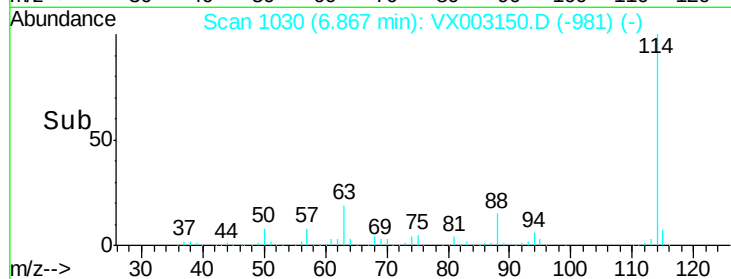
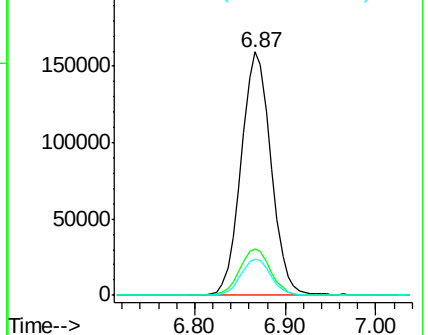
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
S10-0139

Tot Ion:114 Resp: 366607
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.4
88 15.1 0.0 30.0

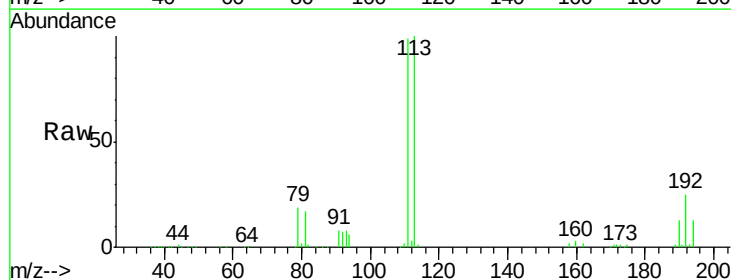


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

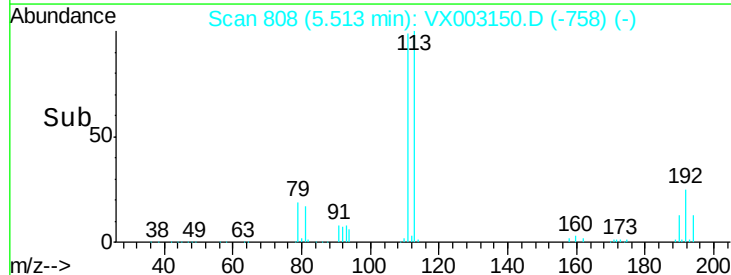
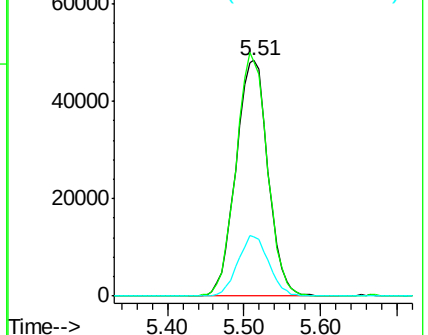


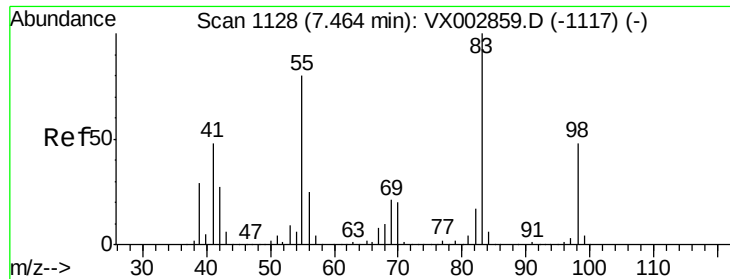
#35
Dibromofluoromethane
Concen: 48.474 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Tgt Ion:113 Resp: 140730
Ion Ratio Lower Upper
113 100
111 100.6 81.4 122.0
192 24.8 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

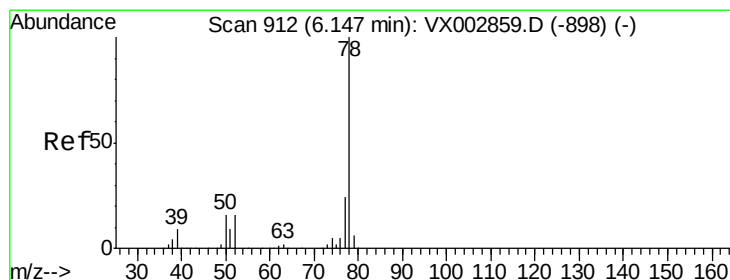
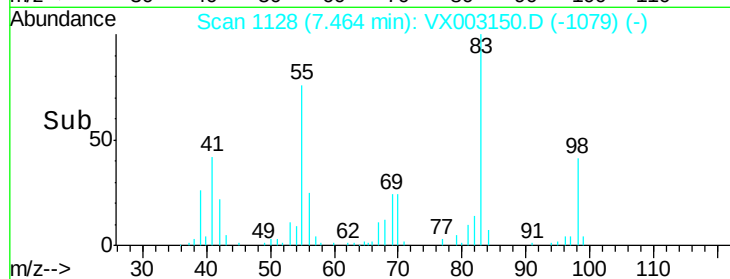
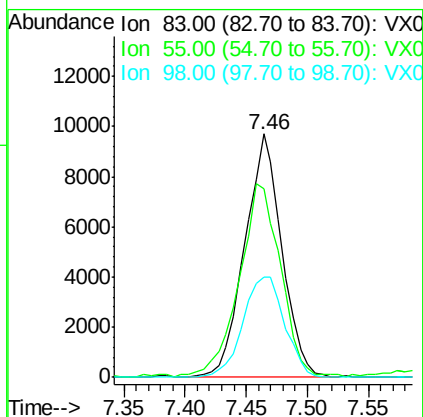
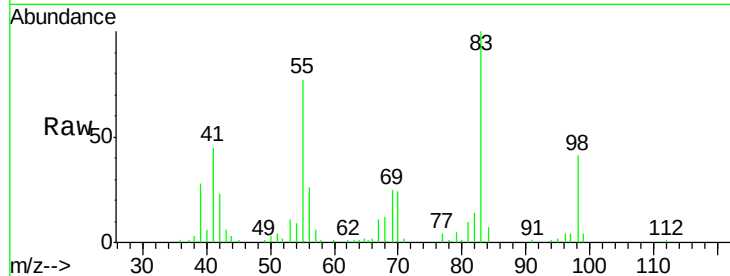




#39
Methylvlcyclohexane
Concen: 4.365 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

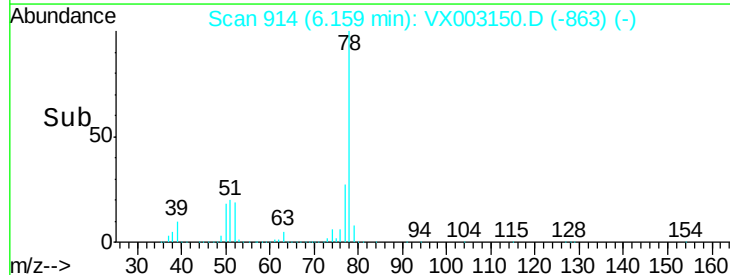
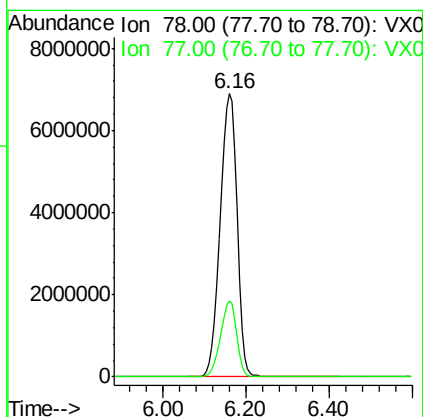
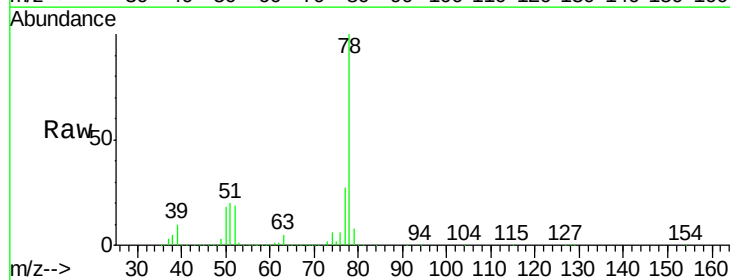
Instrument :
MSVOA_X
ClientSampleId :
S10-0139

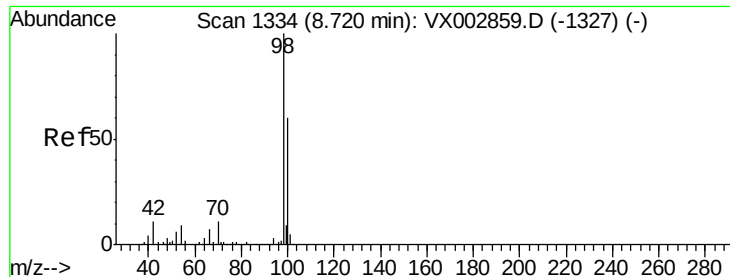
Tot Ion: 83 Resp: 20442
Ion Ratio Lower Upper
83 100
55 76.2 65.4 98.0
98 41.3 37.4 56.0



#40
Benzene
Concen: 1657.299 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Tgt Ion: 78 Resp:19359281
Ion Ratio Lower Upper
78 100
77 27.0 19.1 28.7

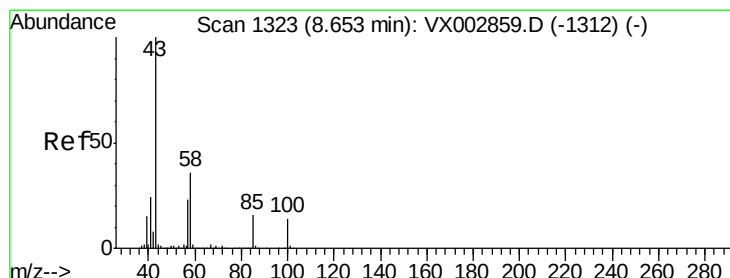
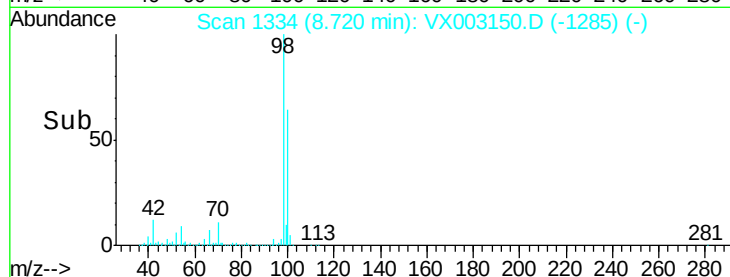
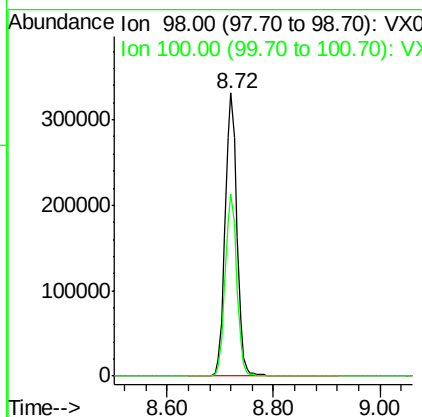
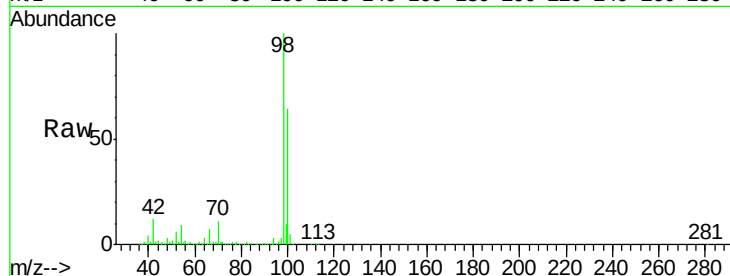




#50
Toluene-d8
Concen: 48.747 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

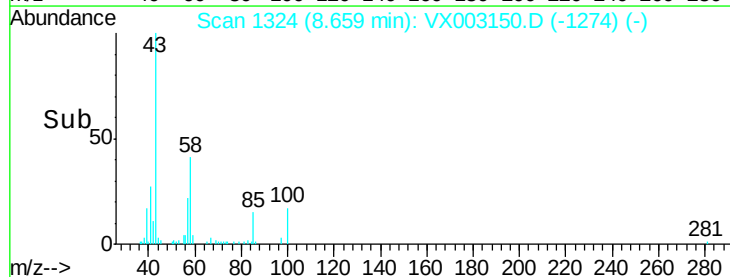
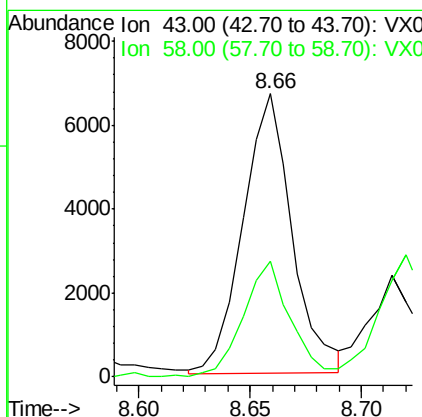
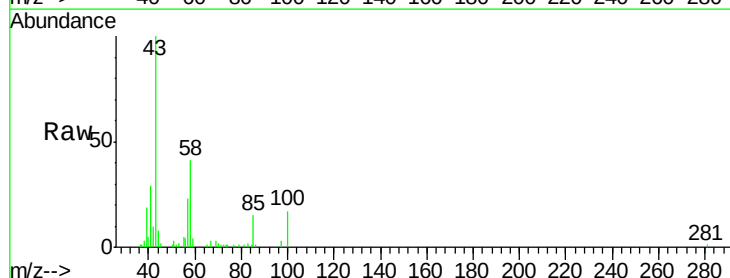
Instrument :
MSVOA_X
ClientSampleId :
S10-0139

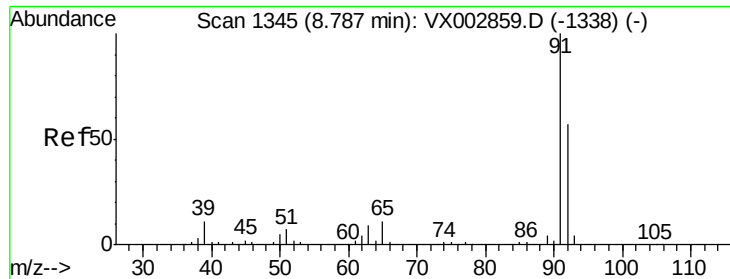
Tot Ion: 98 Resp: 516797
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.247 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Tgt Ion: 43 Resp: 10205
Ion Ratio Lower Upper
43 100
58 40.1 28.6 42.8





#52

Toluene

Concen: 0.662 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

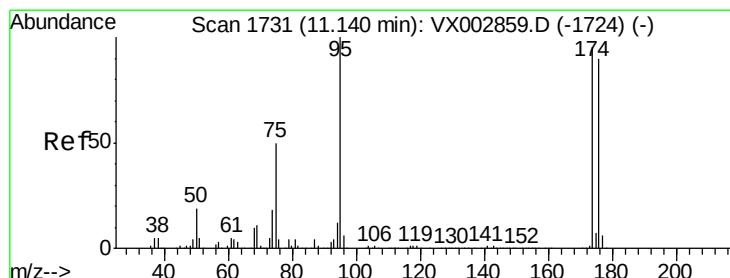
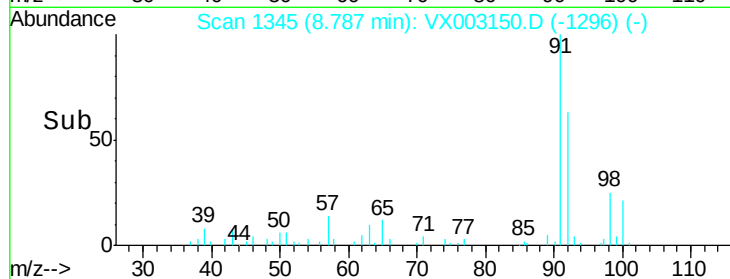
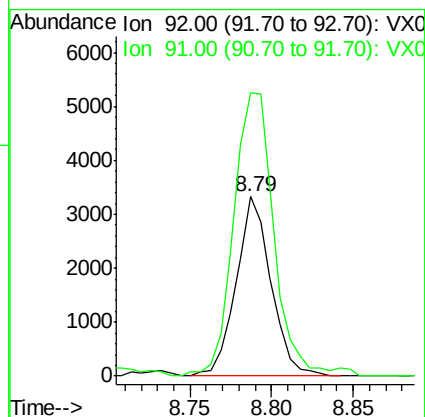
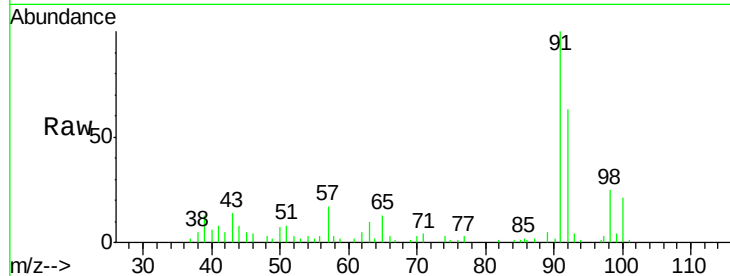
S10-0139

Tot Ion: 92 Resp: 4953

Ion Ratio Lower Upper

92 100

91 183.8 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 45.586 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

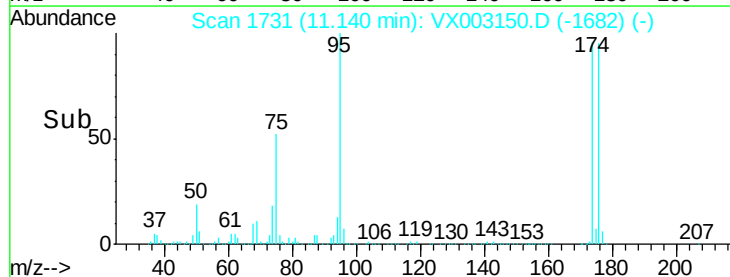
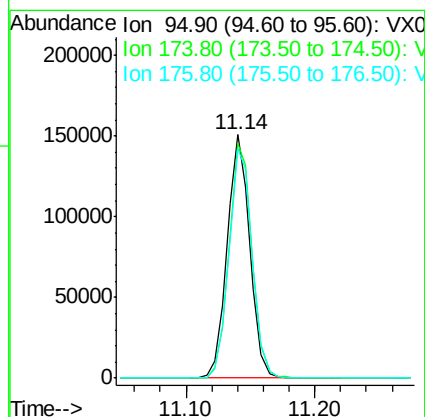
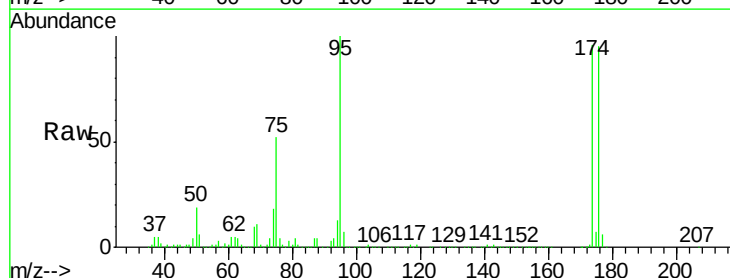
Tgt Ion: 95 Resp: 186384

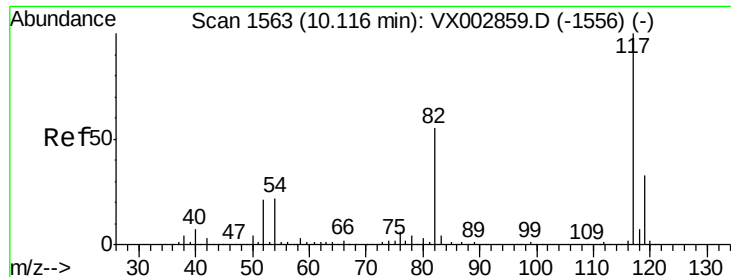
Ion Ratio Lower Upper

95 100

174 98.3 0.0 187.4

176 96.8 0.0 181.0

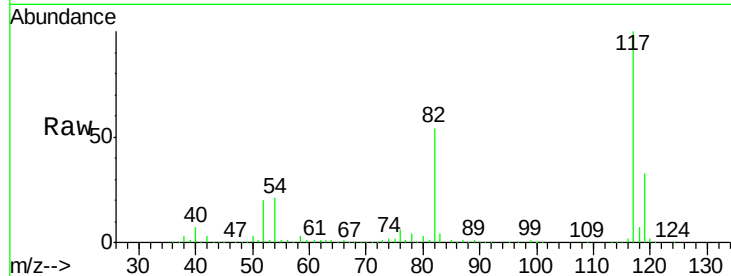




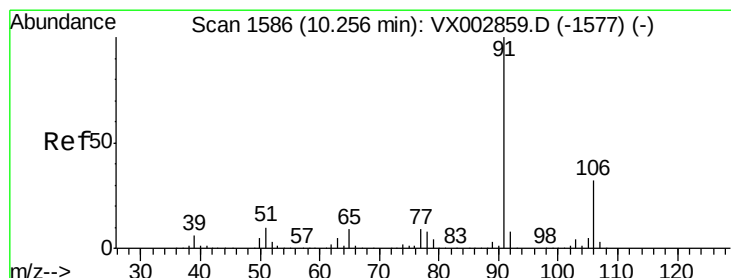
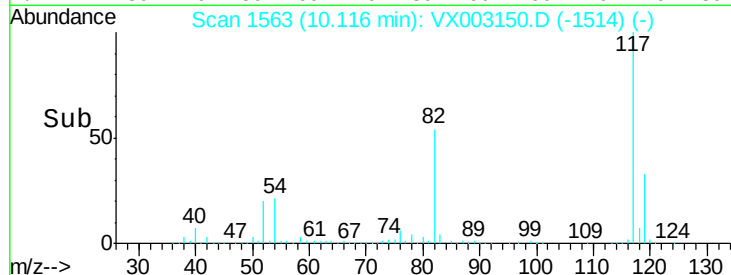
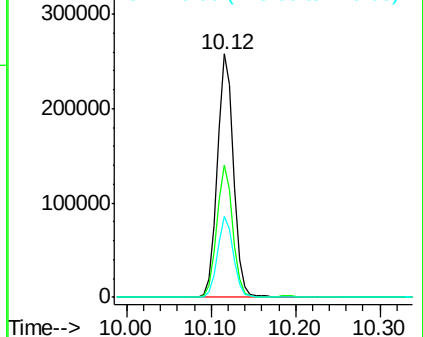
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
S10-0139

Tot Ion:117 Resp: 344944
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 33.3 25.8 38.6

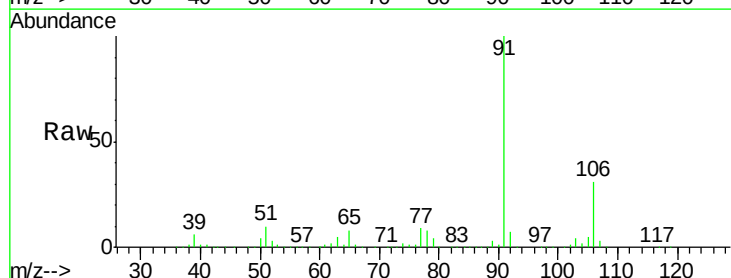


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

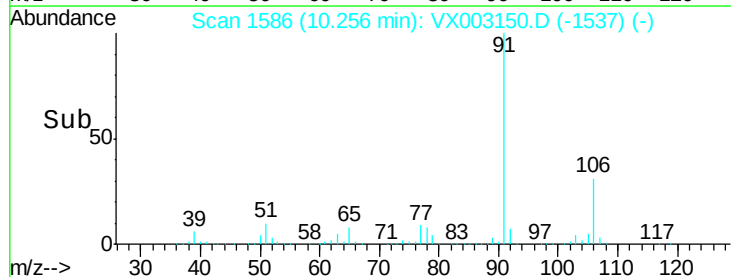
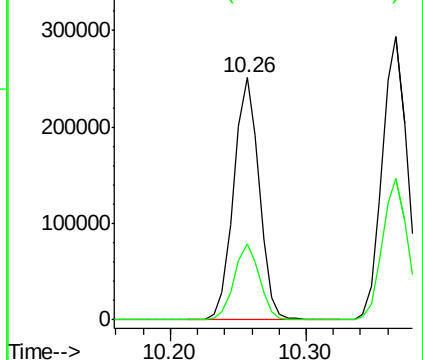


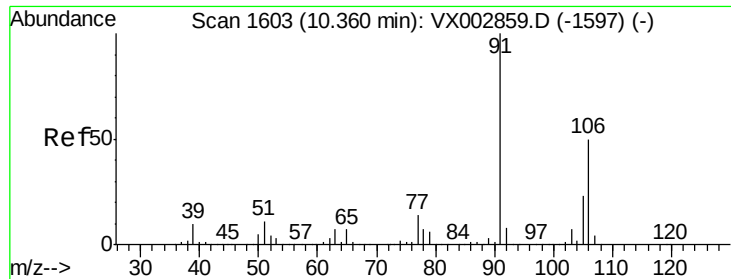
#67
Ethyl Benzene
Concen: 22.619 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Tgt Ion: 91 Resp: 327371
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-Xylenes

Concen: 33.743 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

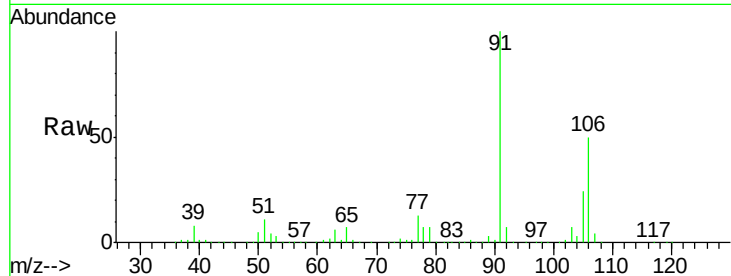
S10-0139

Tot Ion:106 Resp: 188222

Ion Ratio Lower Upper

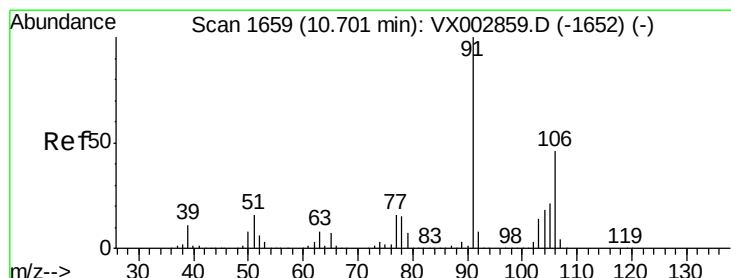
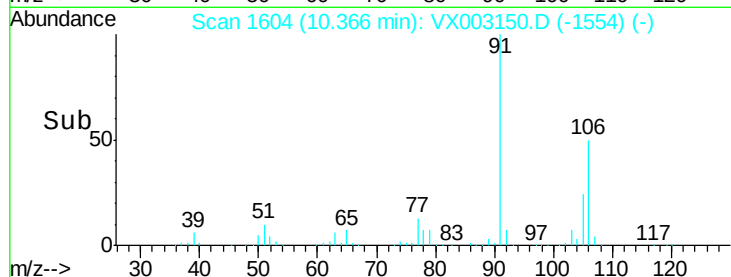
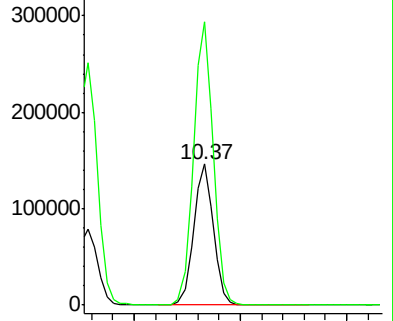
106 100

91 200.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.303 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX003150.D

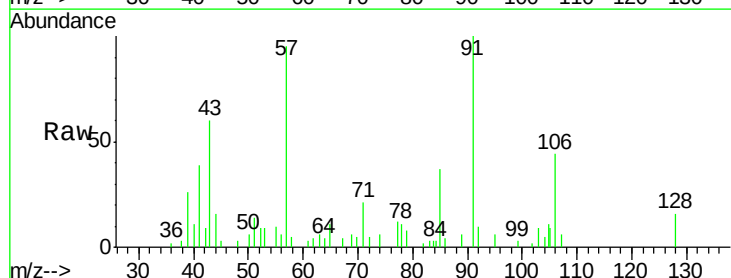
Acq: 03 Jul 2018 15:52

Tgt Ion:106 Resp: 1645

Ion Ratio Lower Upper

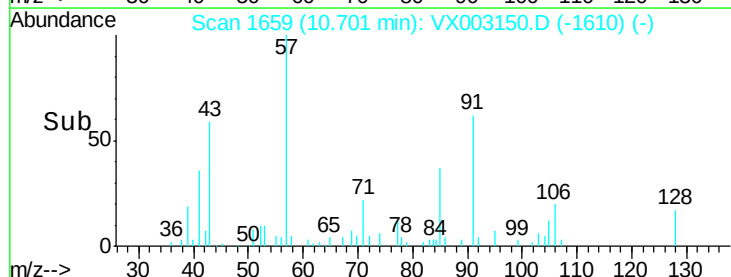
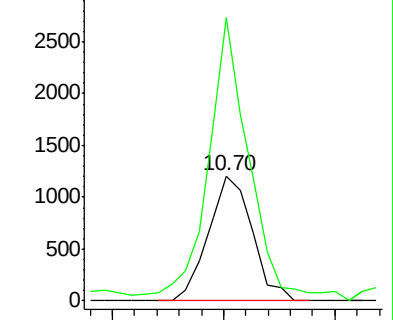
106 100

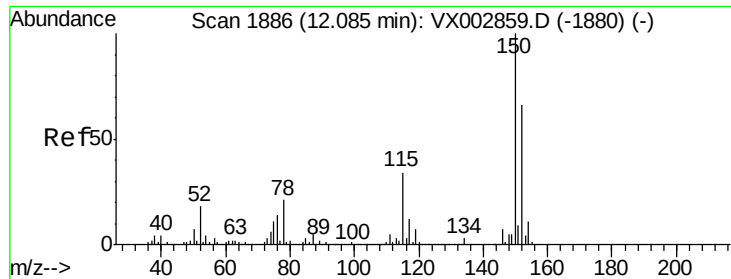
91 215.0 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



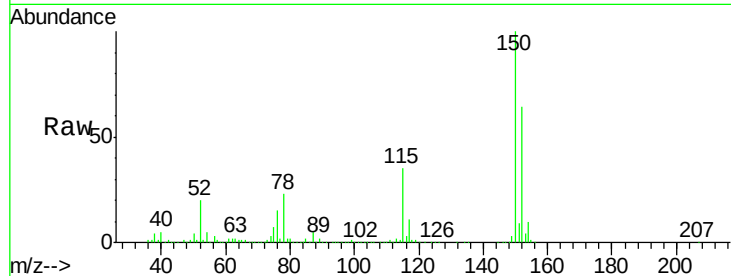


#72

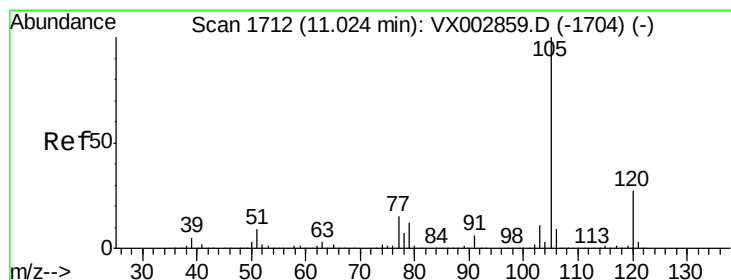
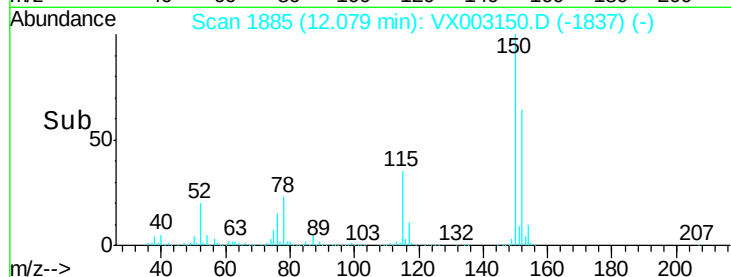
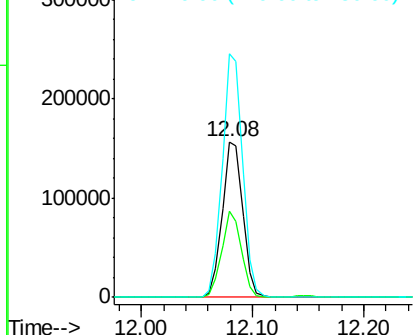
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
S10-0139

Tot Ion:152 Resp: 199630
Ion Ratio Lower Upper
152 100
115 53.1 40.1 120.2
150 155.6 0.0 347.2



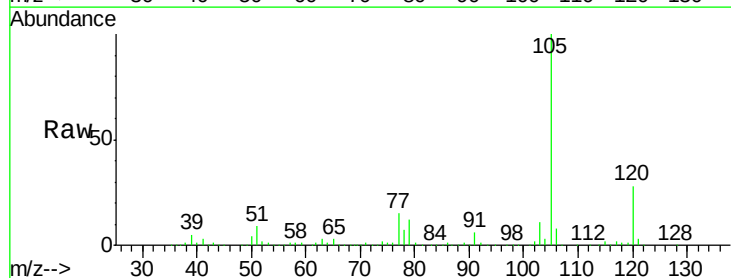
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



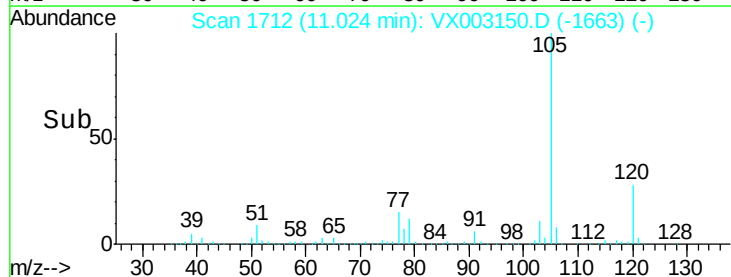
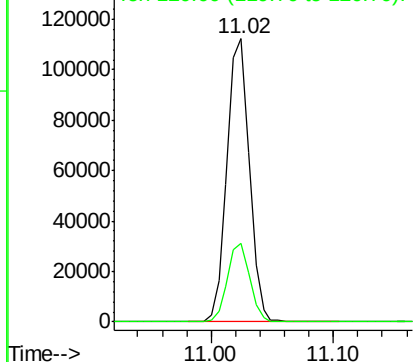
#73

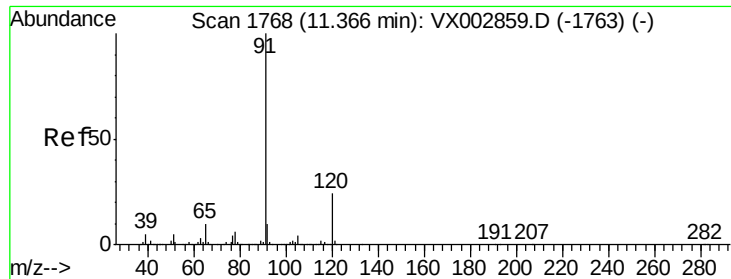
Isopropylbenzene
Concen: 10.587 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Tgt Ion:105 Resp: 142179
Ion Ratio Lower Upper
105 100
120 27.8 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: 4.020 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

Instrument :

MSVOA_X

ClientSampled :

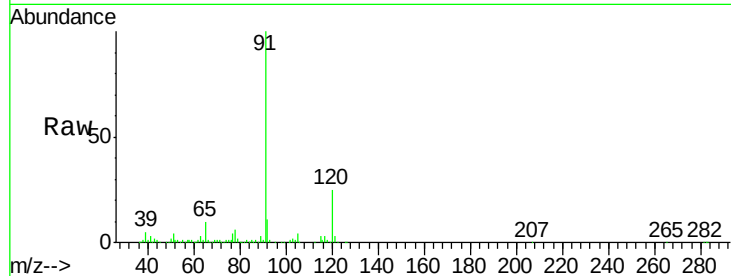
S10-0139

Tot Ion: 91 Resp: 61457

Ion Ratio Lower Upper

91 100

120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX003150.D (-1763) (-)

Ion 120.00 (119.70 to 120.70): VX003150.D (-1763) (-)

50000

40000

30000

20000

10000

0

11.30

11.40

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

13.10

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13.60

13.70

13.80

13.90

14.00

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31.90

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34.70

34.80

34.90

35.00

35.10

35.20

35.30

35.40

35.50

35.60

35.70

35.80

35.90

36.00

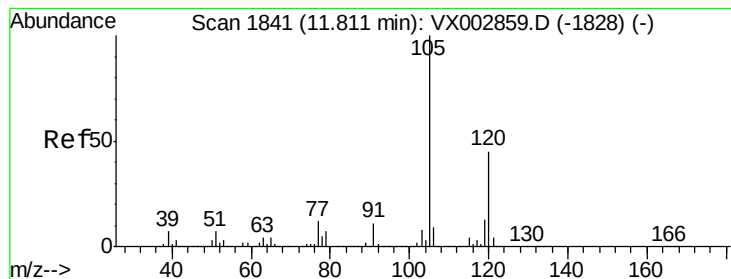
36.10

36.20

36.30

36.40

36.50



#84

1,2,4-Trimethylbenzene

Concen: 12.854 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003150.D

Acq: 03 Jul 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

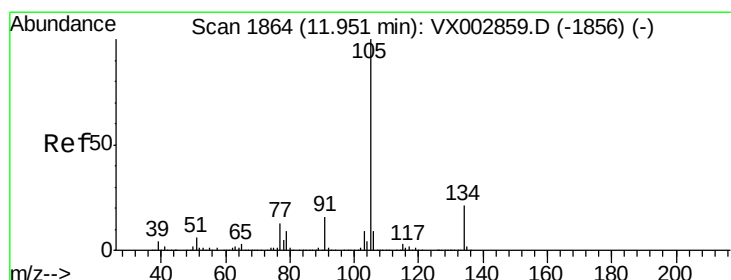
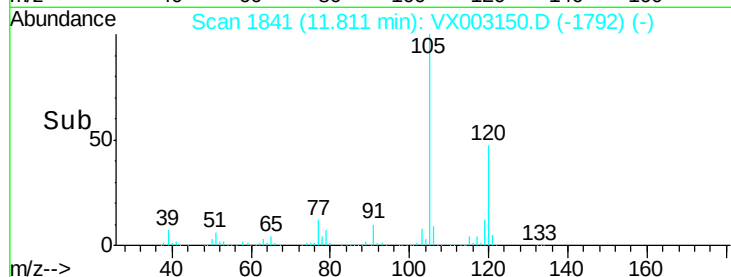
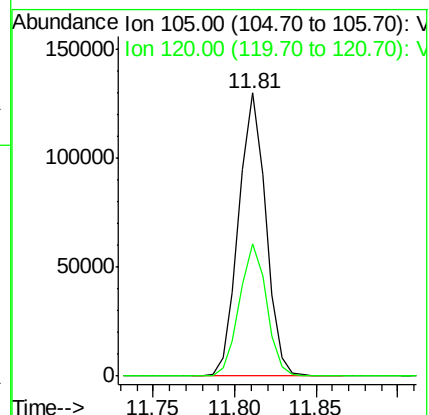
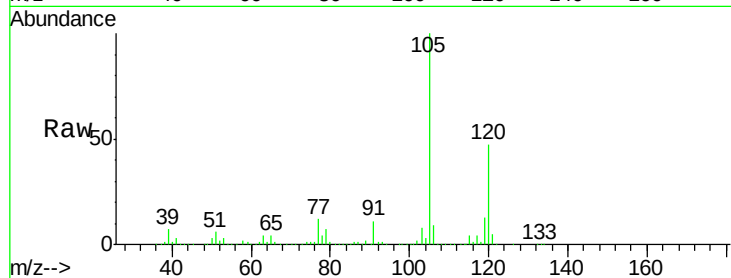
S10-0139

Tot Ion:105 Resp: 150640

Ion Ratio Lower Upper

105 100

120 47.1 22.3 66.8



#85

sec-Butylbenzene

Concen: 0.350 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003150.D

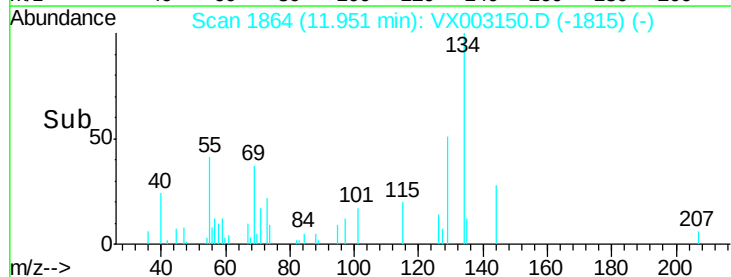
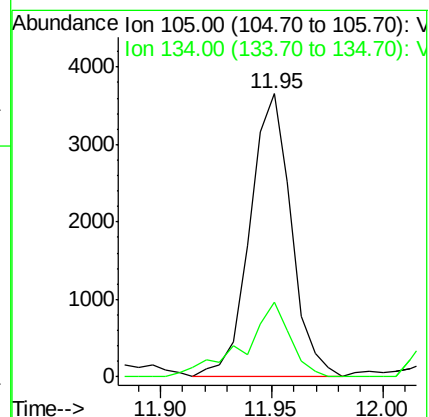
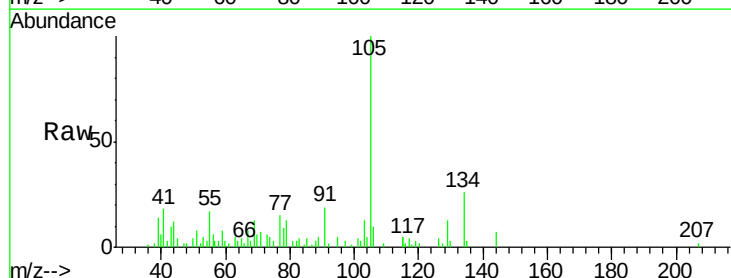
Acq: 03 Jul 2018 15:52

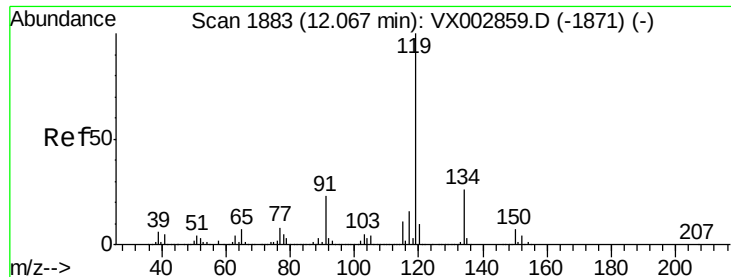
Tgt Ion:105 Resp: 4738

Ion Ratio Lower Upper

105 100

134 29.2 10.4 31.1

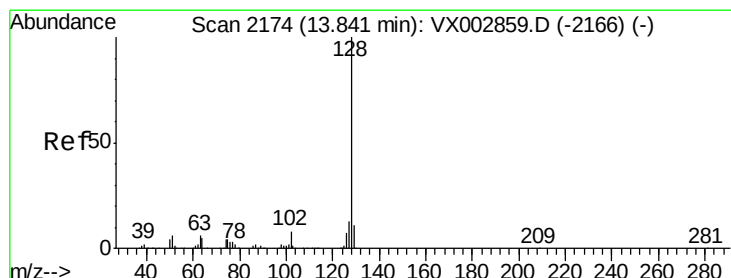
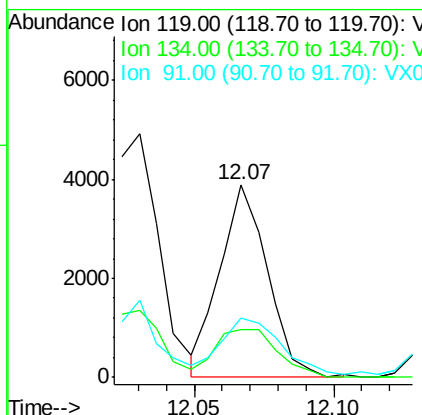
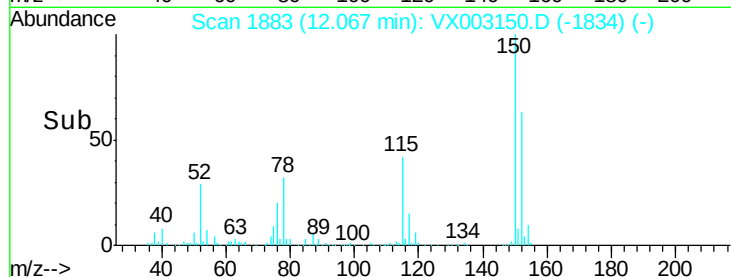
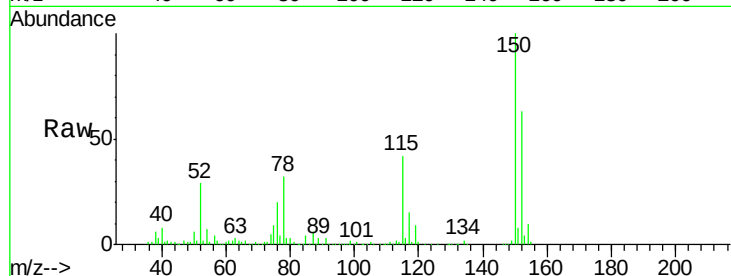




#86
p-Isopropyltoluene
Concen: 0.381 ug/l m
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Instrument :
MSVOA_X
ClientSampleId :
S10-0139

Tot Ion:119 Resp: 4636
Ion Ratio Lower Upper
119 100
134 37.8 13.4 40.1
91 35.8 11.9 35.7#



#95
Naphthalene
Concen: 1.195 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003150.D
Acq: 03 Jul 2018 15:52

Tgt Ion:128 Resp: 16328
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.5 8.6 13.0

