

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080518\
 Data File : VX003858.D
 Acq On : 03 Aug 2018 19:34
 Operator : JC/MD
 Sample : J4263-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0522

Quant Time: Aug 04 01:03:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:55:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	123795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	111936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	66268	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	48380	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	
35) Dibromofluoromethane	5.51	113	45257	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.72	98	170321	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	11.14	95	60841	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

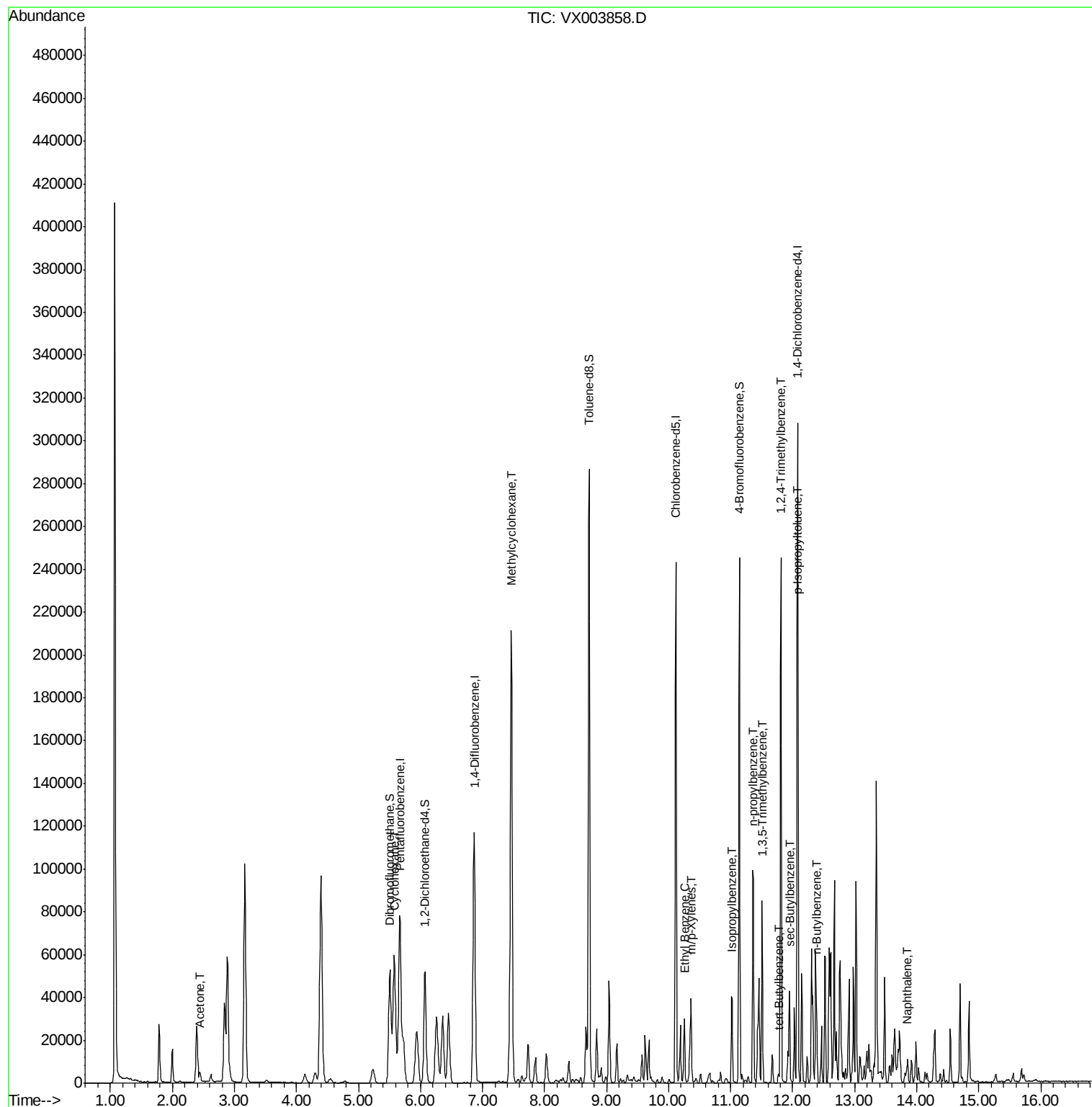
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	4578	8.04	ug/l	# 88
31) Cyclohexane	5.57	56	39266	28.53	ug/l	94
39) Methylcyclohexane	7.46	83	94883	65.32	ug/l	98
67) Ethyl Benzene	10.26	91	17241	3.91	ug/l	98
68) m/p-Xylenes	10.36	106	8011	4.65	ug/l	99
73) Isopropylbenzene	11.02	105	21643	5.09	ug/l	98
78) n-propylbenzene	11.36	91	60715	12.63	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	38377	10.76	ug/l	99
83) tert-Butylbenzene	11.77	119	1768	0.49	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	102347	27.75	ug/l	99
85) sec-Butylbenzene	11.95	105	23506	5.67	ug/l	83
86) p-Isopropyltoluene	12.07	119	5725	1.53	ug/l	97
89) n-Butylbenzene	12.39	91	10415	3.24	ug/l	# 34
95) Naphthalene	13.83	128	4092	0.86	ug/l	# 91

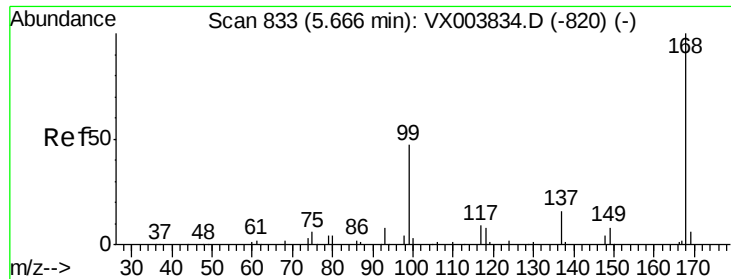
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003858.D

Acq: 03 Aug 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

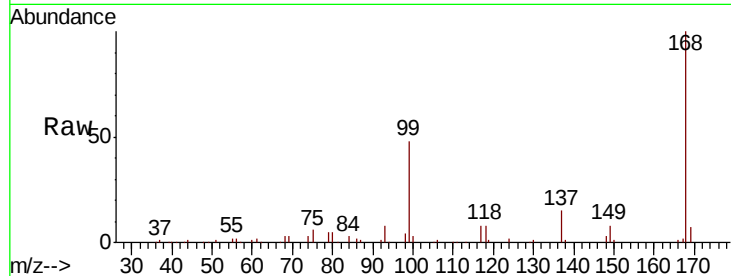
FL-0522

Tot Ion:168 Resp: 82108

Ion Ratio Lower Upper

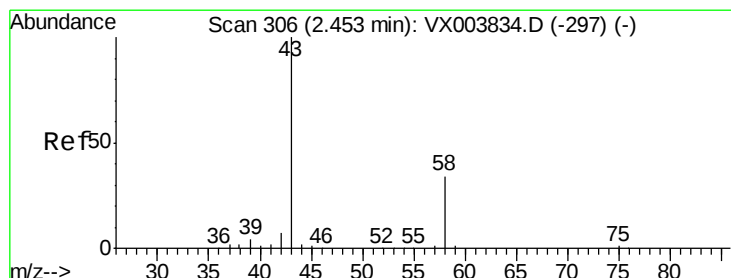
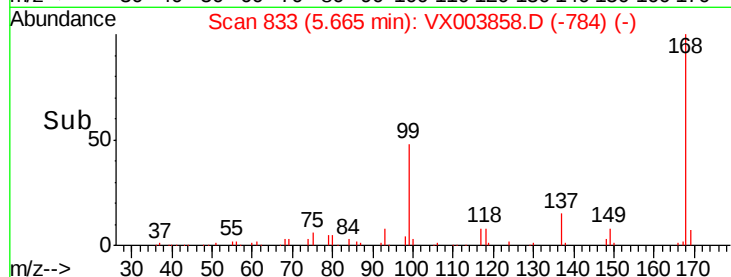
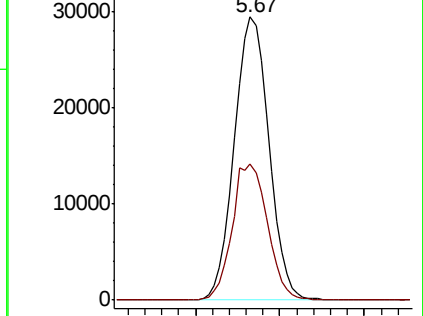
168 100

99 48.1 38.1 57.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.04 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003858.D

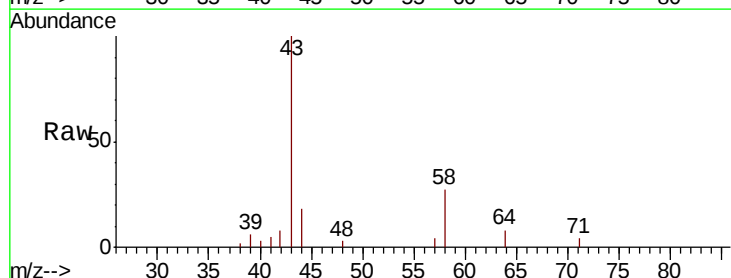
Acq: 03 Aug 2018 19:34

Tgt Ion: 43 Resp: 4578

Ion Ratio Lower Upper

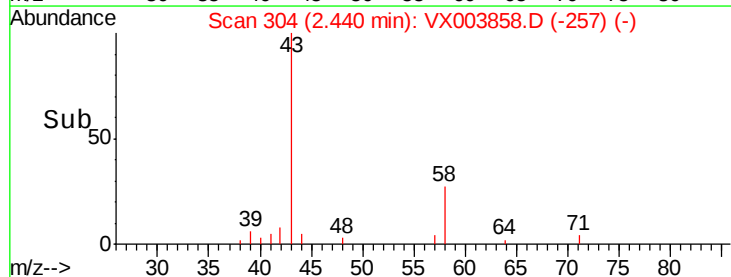
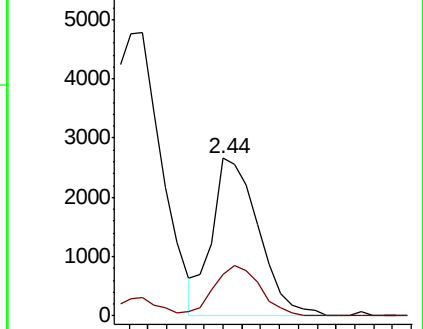
43 100

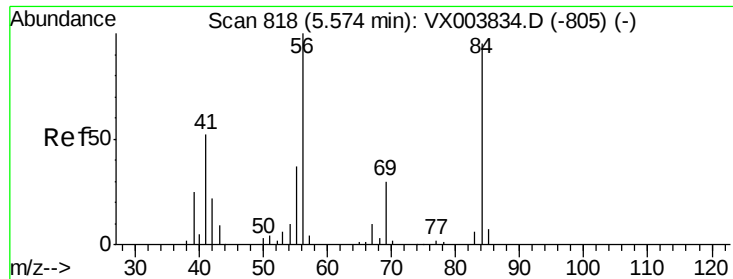
58 26.7 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

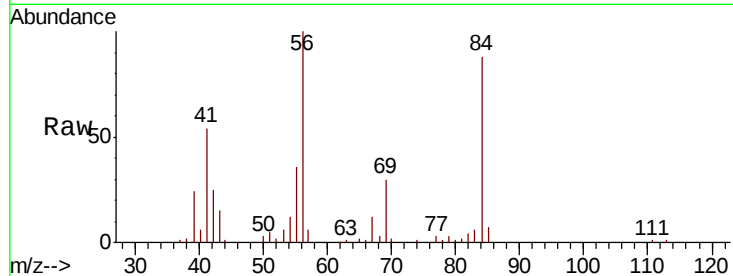




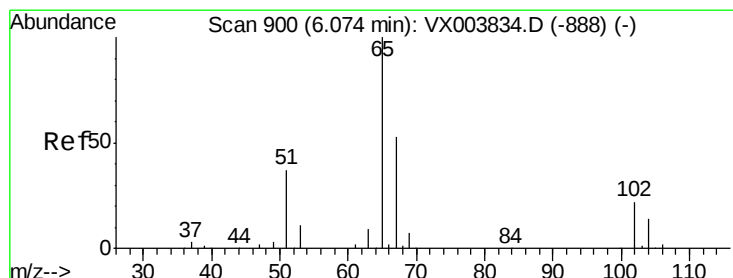
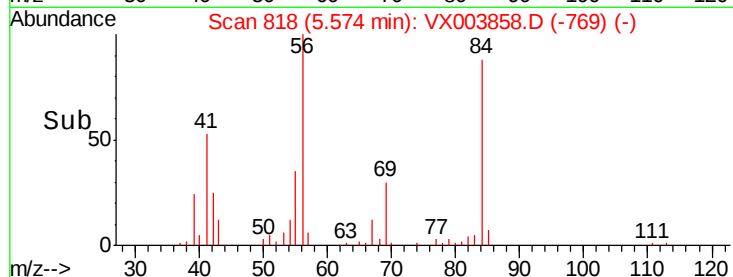
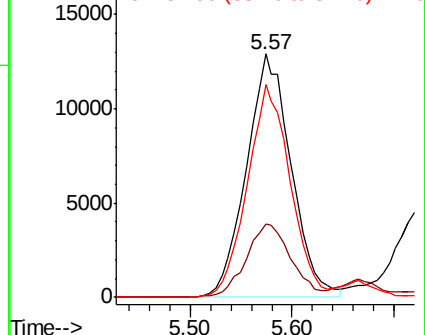
#31
Cyclohexane
Concen: 28.53 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Instrument :
MSVOA_X
ClientSampled :
FL-0522

Tot Ion: 56 Resp: 39266
Ion Ratio Lower Upper
56 100
69 29.9 23.7 35.5
84 87.6 75.7 113.5

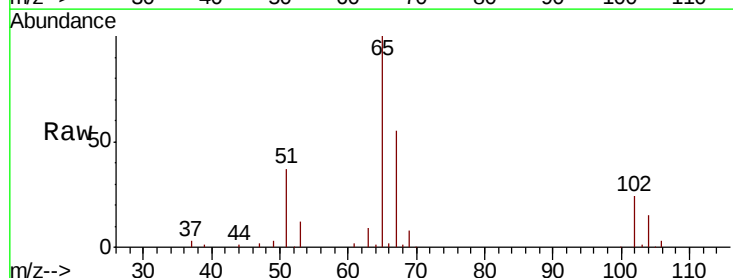


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

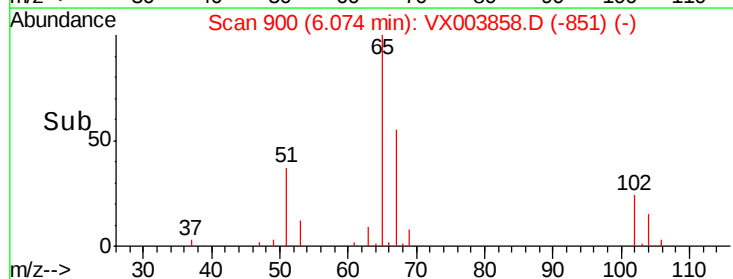
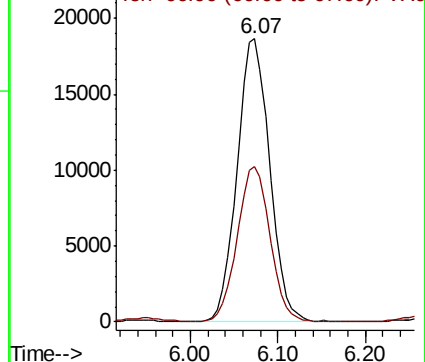


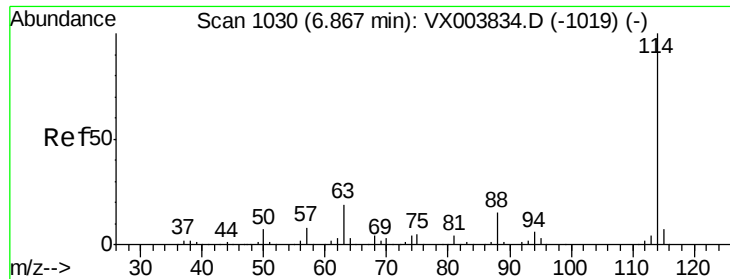
#33
1,2-Dichloroethane-d4
Concen: 44.68 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Tgt Ion: 65 Resp: 48380
Ion Ratio Lower Upper
65 100
67 55.1 0.0 107.2



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

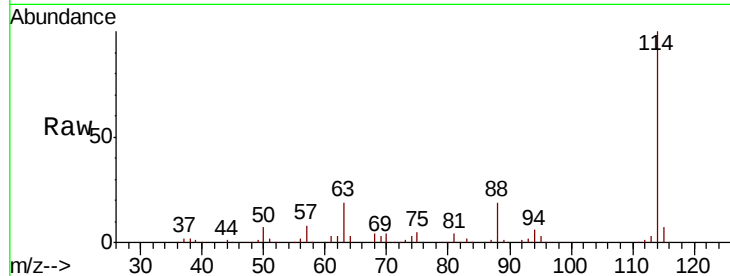




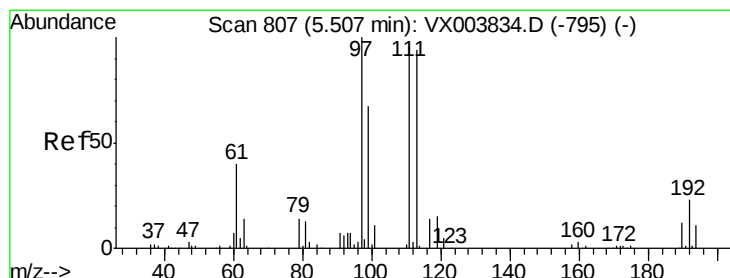
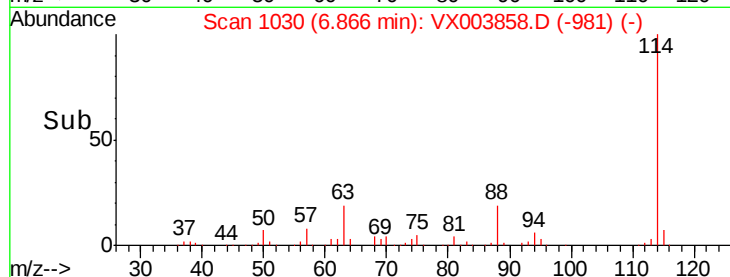
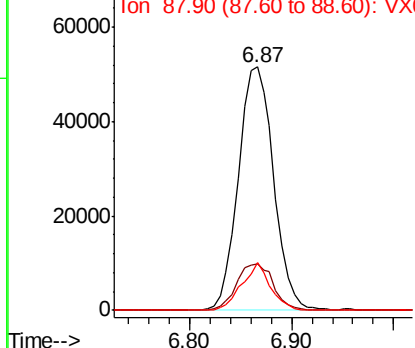
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Instrument :
MSVOA_X
ClientSampleId :
FL-0522

Tot Ion:114 Resp: 123795
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.2
88 19.4 0.0 29.6

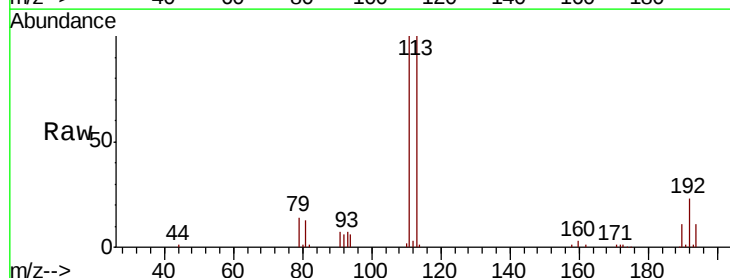


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

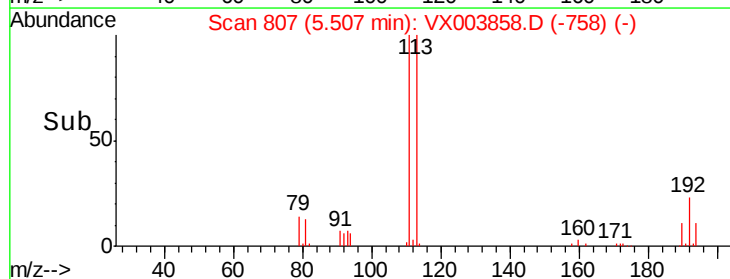
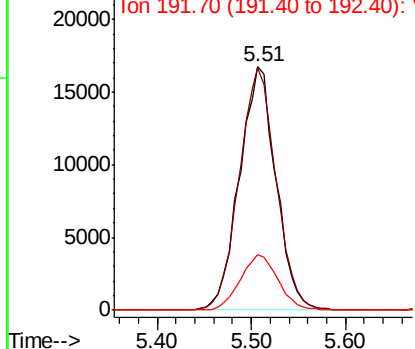


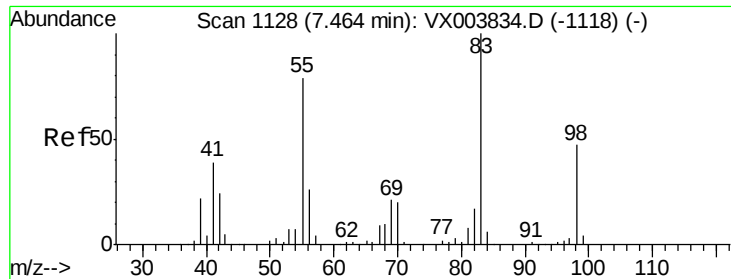
#35
Dibromofluoromethane
Concen: 46.53 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Tgt Ion:113 Resp: 45257
Ion Ratio Lower Upper
113 100
111 100.8 81.1 121.7
192 23.4 19.7 29.5



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

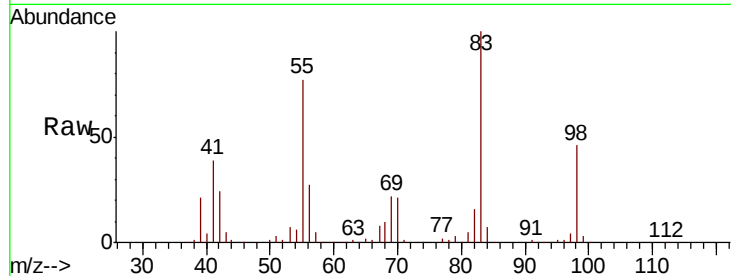




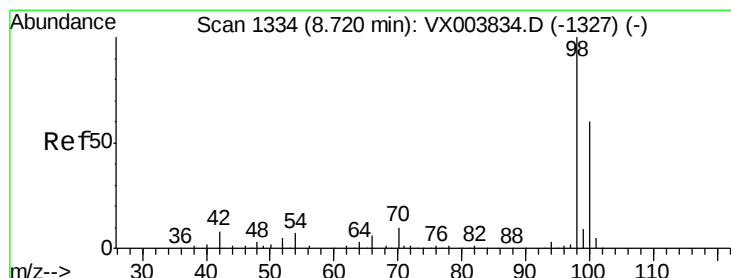
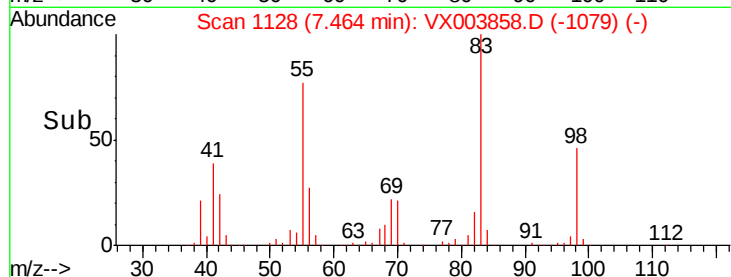
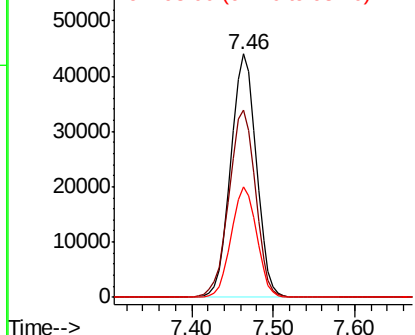
#39
Methvlcvclohexane
Concen: 65.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Instrument :
MSVOA_X
ClientSampled :
FL-0522

Tot Ion: 83 Resp: 94883
Ion Ratio Lower Upper
83 100
55 77.1 63.1 94.7
98 45.6 37.5 56.3

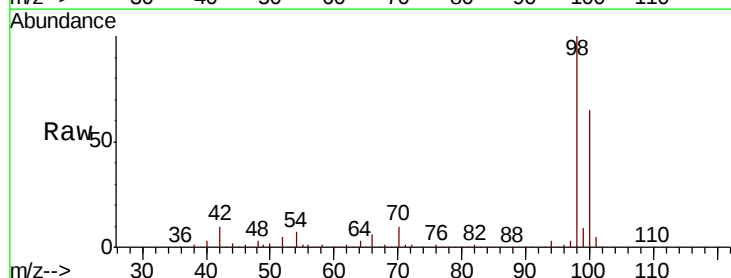


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

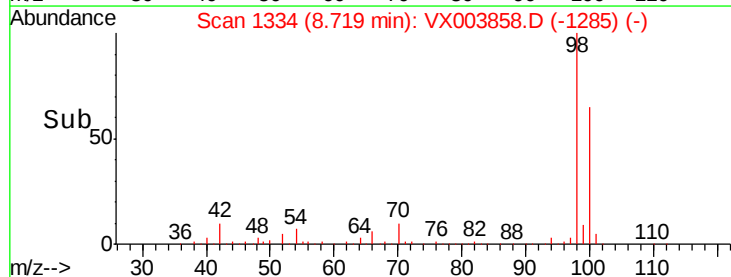
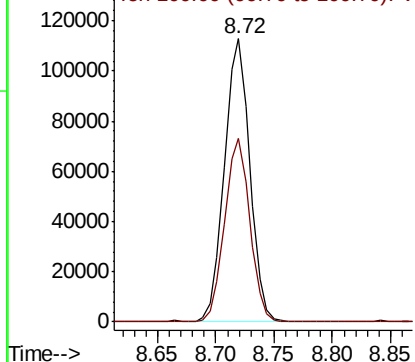


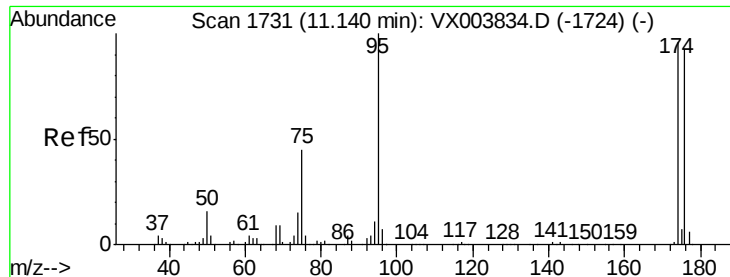
#50
Toluene-d8
Concen: 45.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Tgt Ion: 98 Resp: 170321
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

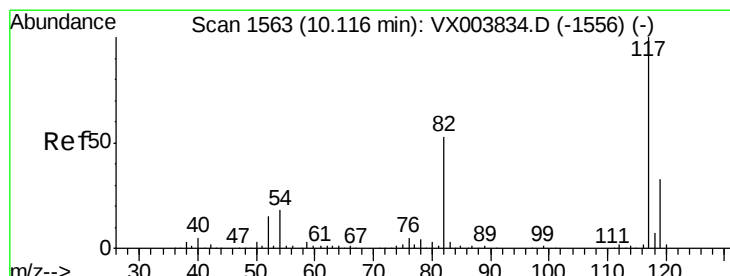
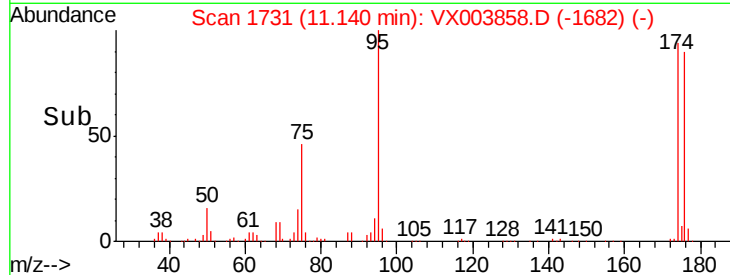
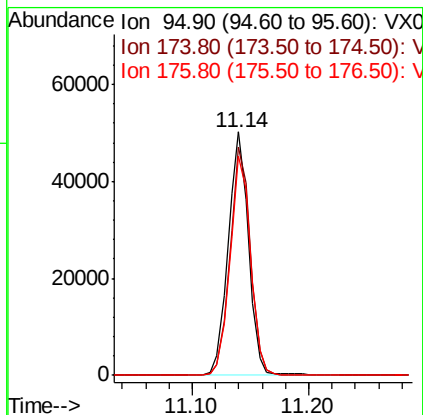
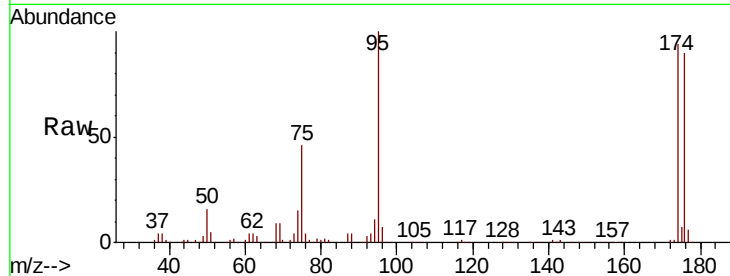




#62
 4-Bromofluorobenzene
 Concen: 45.18 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003858.D
 Acq: 03 Aug 2018 19:34

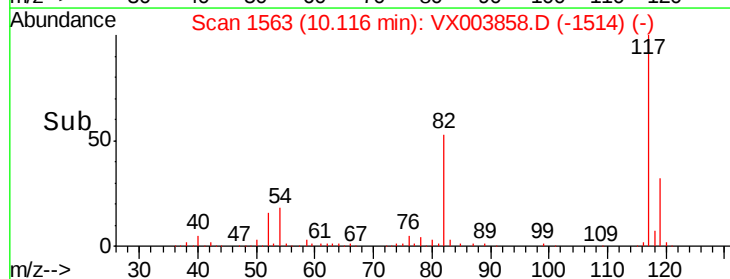
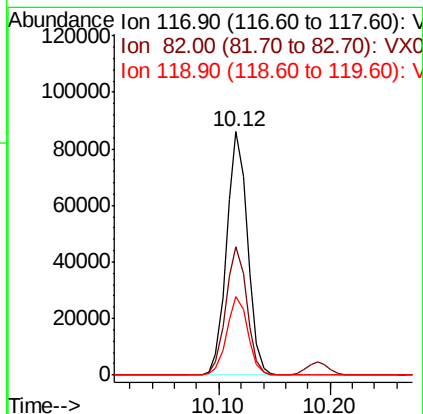
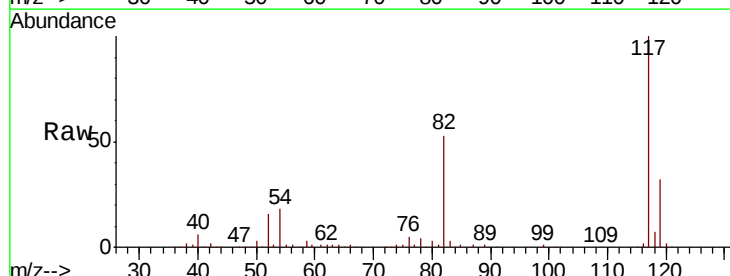
Instrument :
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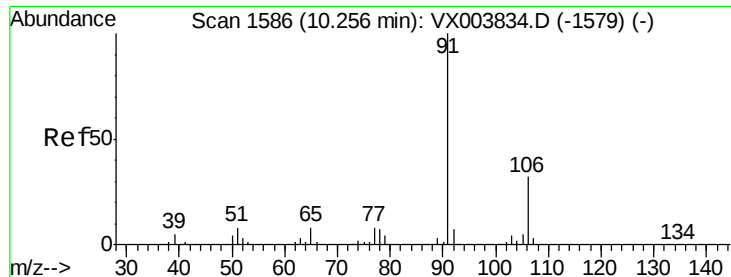
Tot Ion: 95 Resp: 60841
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 192.2
 176 91.0 0.0 185.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX003858.D
 Acq: 03 Aug 2018 19:34

Tgt Ion: 117 Resp: 111936
 Ion Ratio Lower Upper
 117 100
 82 52.6 42.2 63.4
 119 32.1 26.2 39.2

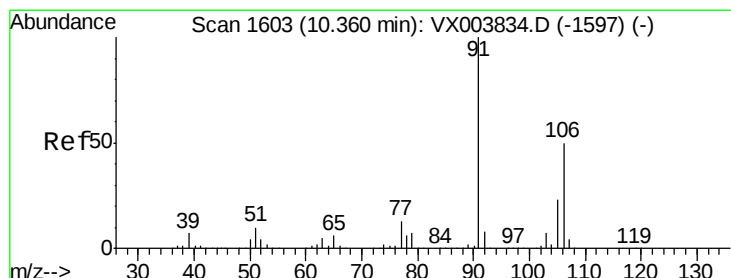
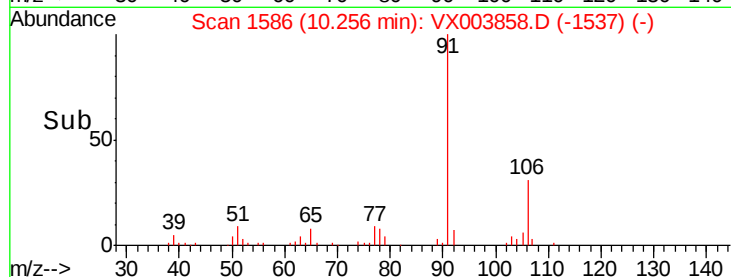
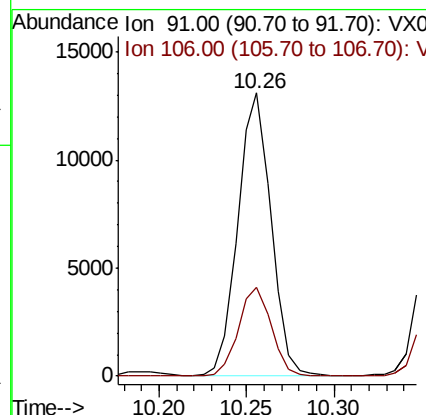
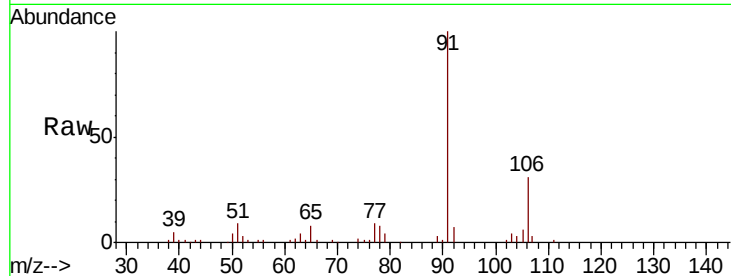




#67
Ethyl Benzene
Concen: 3.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

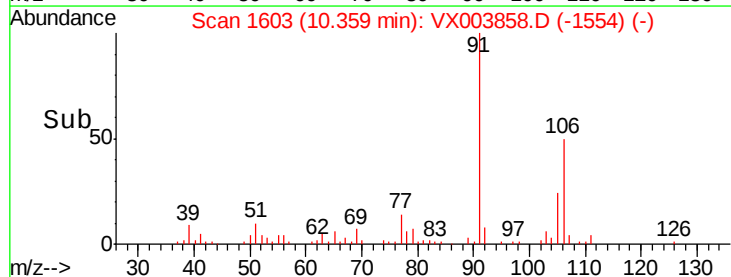
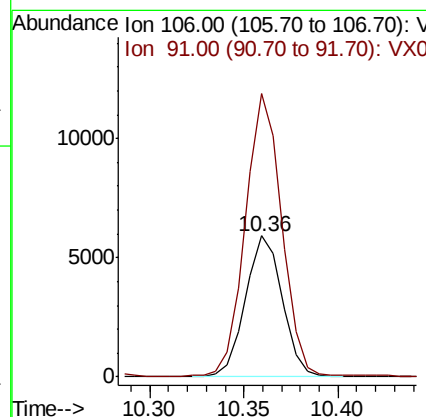
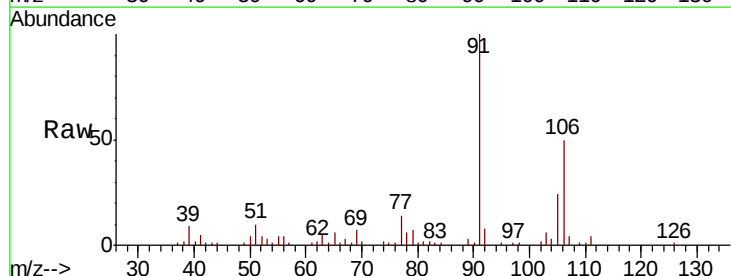
Instrument :
MSVOA_X
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FL-0522

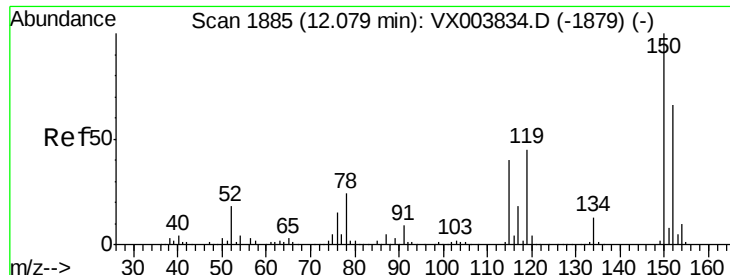
Tot Ion: 91 Resp: 17241
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5



#68
m/p-Xylenes
Concen: 4.65 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Tgt Ion: 106 Resp: 8011
Ion Ratio Lower Upper
106 100
91 199.5 161.3 241.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003858.D

Acq: 03 Aug 2018 19:34

Instrument :

MSVOA_X

ClientSampled :

FL-0522

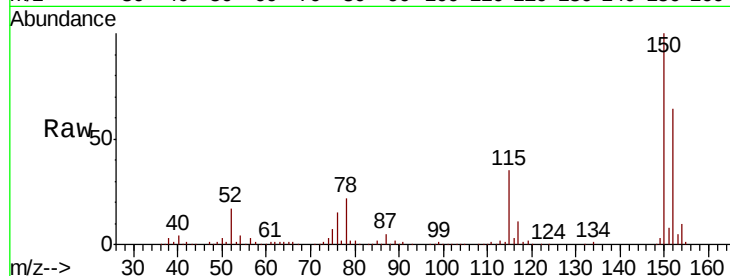
Tot Ion:152 Resp: 66268

Ion Ratio Lower Upper

152 100

115 54.8 37.4 112.1

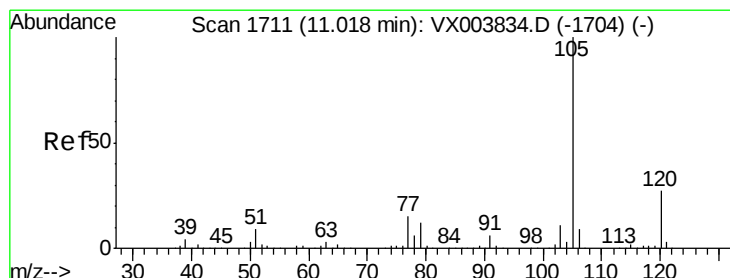
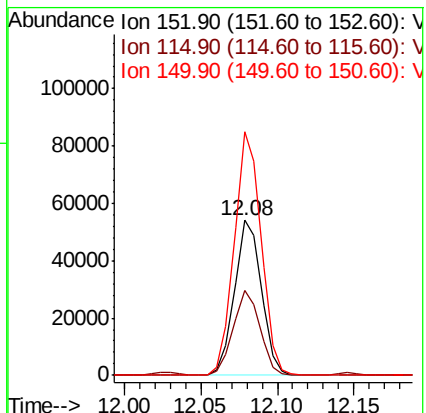
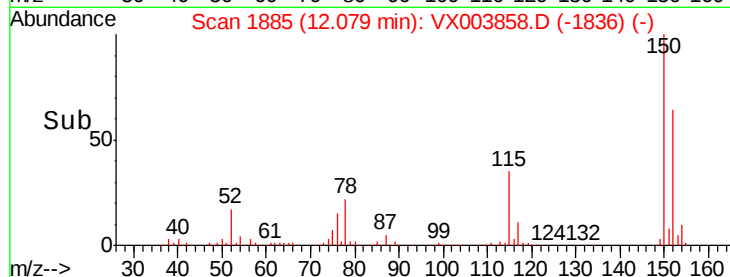
150 156.1 0.0 346.6



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: 5.09 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003858.D

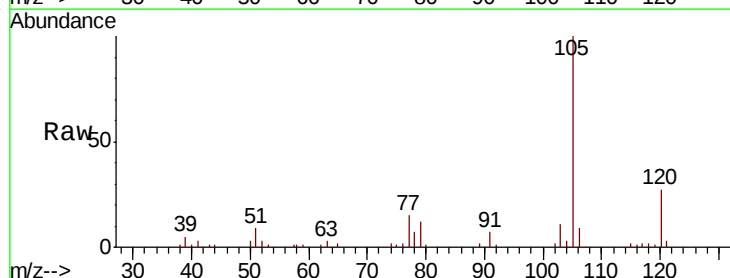
Acq: 03 Aug 2018 19:34

Tgt Ion:105 Resp: 21643

Ion Ratio Lower Upper

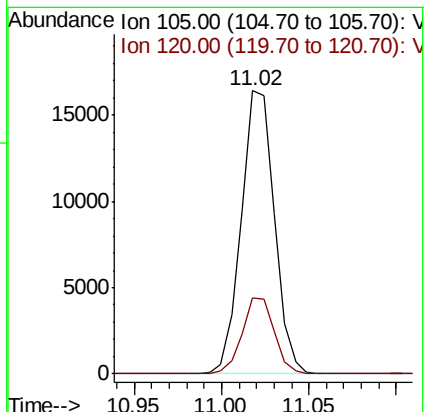
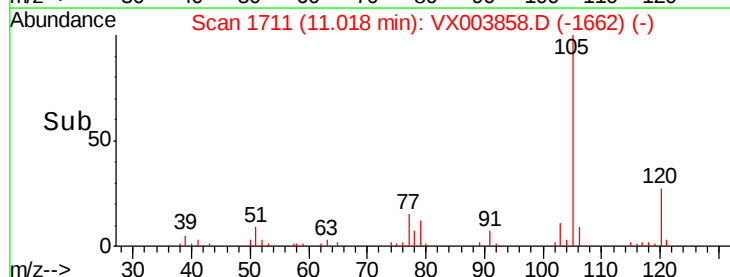
105 100

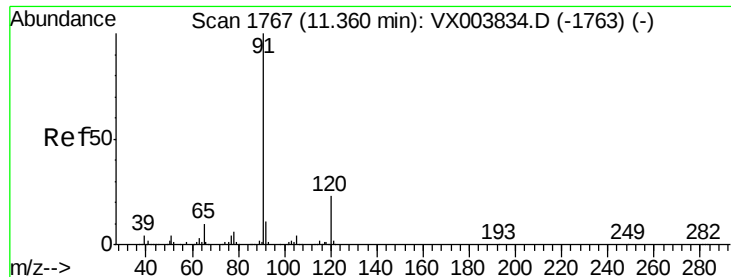
120 25.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.63 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003858.D

Acq: 03 Aug 2018 19:34

Instrument :

MSVOA_X

ClientSampled :

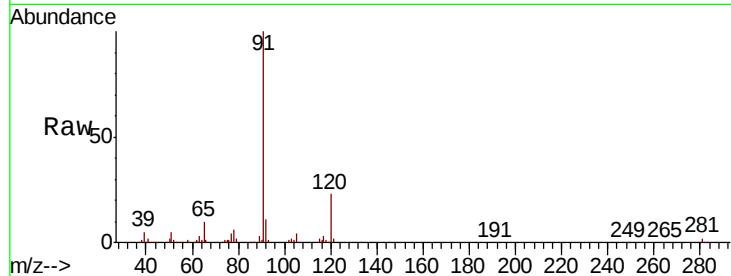
FL-0522

Tot Ion: 91 Resp: 60715

Ion Ratio Lower Upper

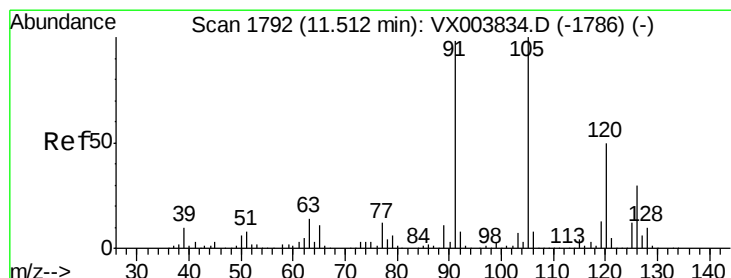
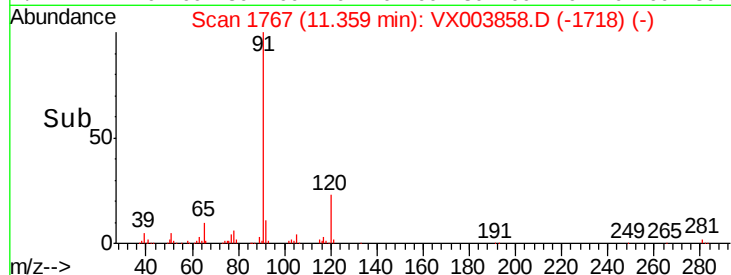
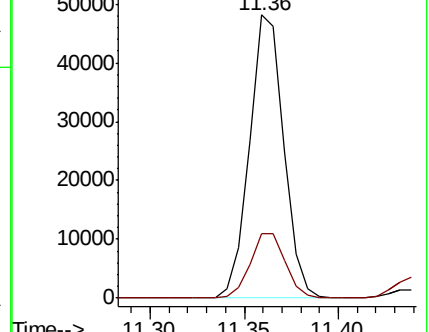
91 100

120 23.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 10.76 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003858.D

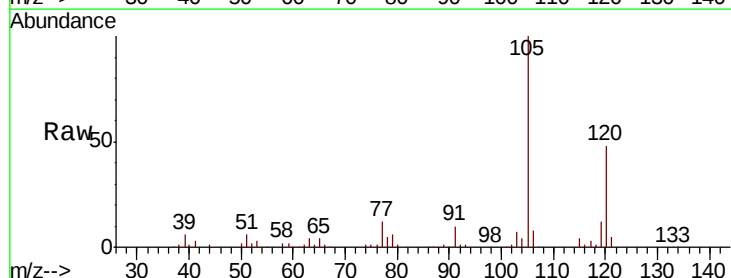
Acq: 03 Aug 2018 19:34

Tgt Ion:105 Resp: 38377

Ion Ratio Lower Upper

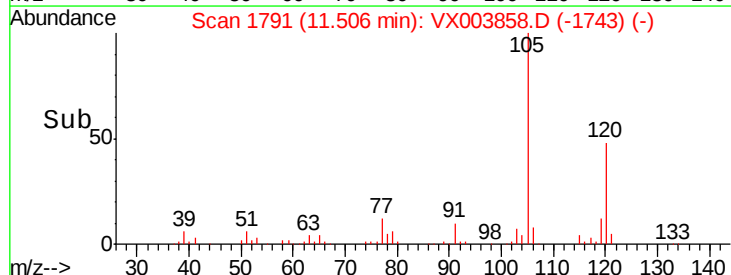
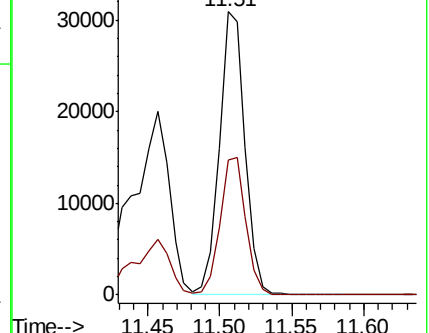
105 100

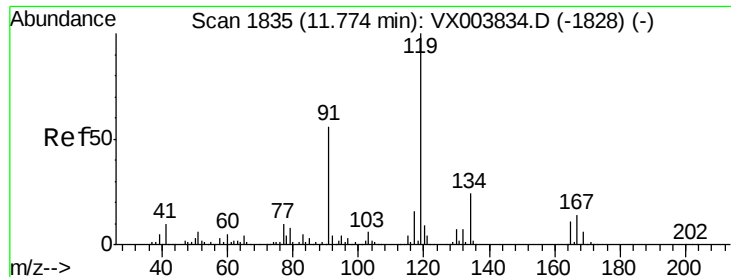
120 49.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

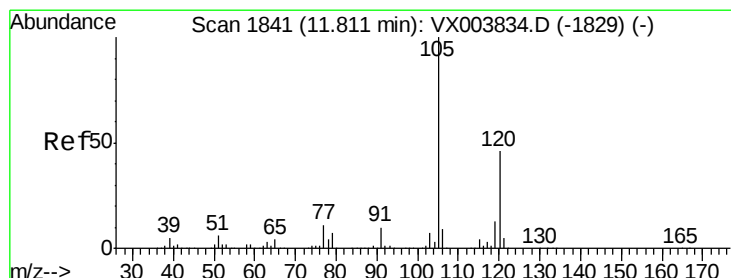
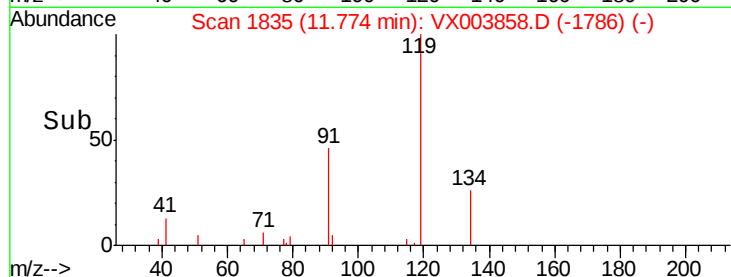
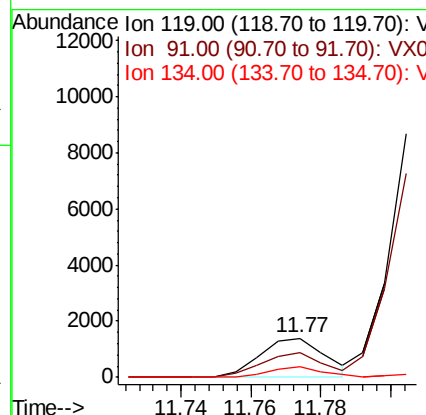
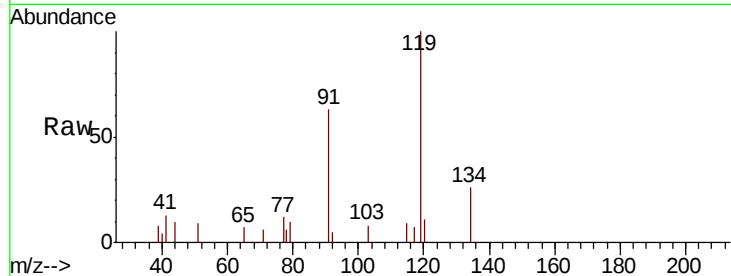




#83
tert-Butylbenzene
Concen: 0.49 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

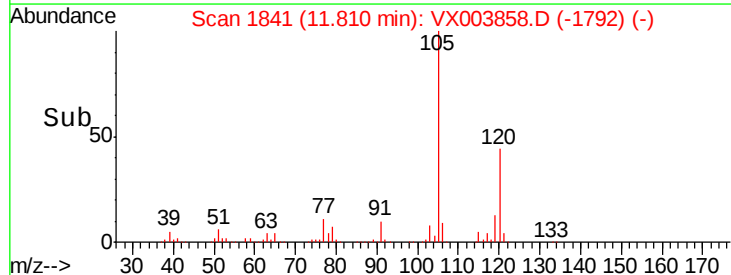
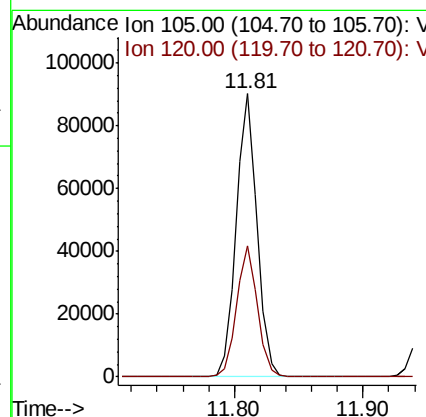
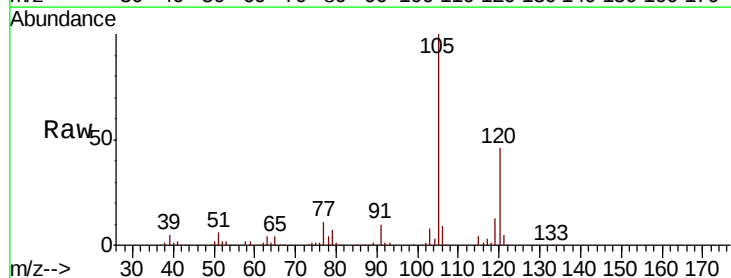
Instrument :
MSVOA_X
ClientSampleId :
FL-0522

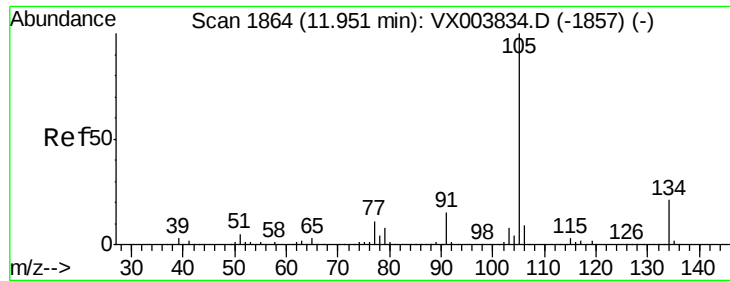
Tot Ion:119 Resp: 1768
Ion Ratio Lower Upper
119 100
91 61.7 26.6 79.7
134 22.3 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 27.75 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Tgt Ion:105 Resp: 102347
Ion Ratio Lower Upper
105 100
120 46.3 22.9 68.5





#85

sec-Butylbenzene

Concen: 5.67 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003858.D

Acq: 03 Aug 2018 19:34

Instrument :

MSVOA_X

ClientSampleId :

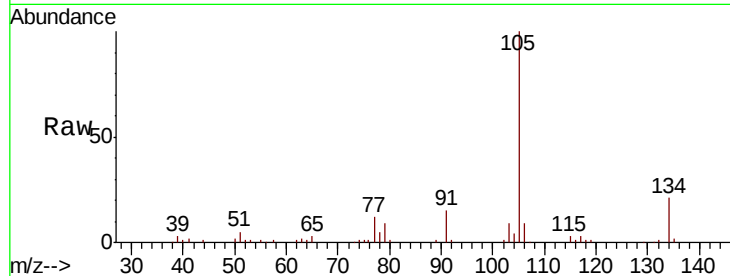
FL-0522

Tot Ion:105 Resp: 23506

Ion Ratio Lower Upper

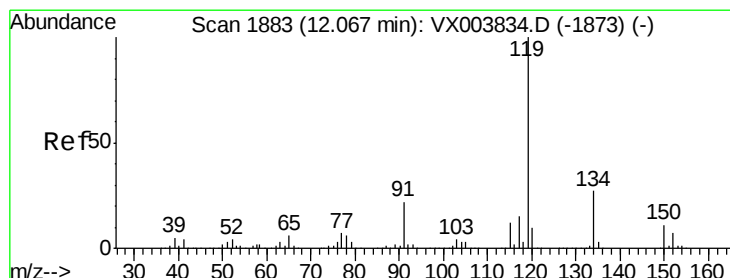
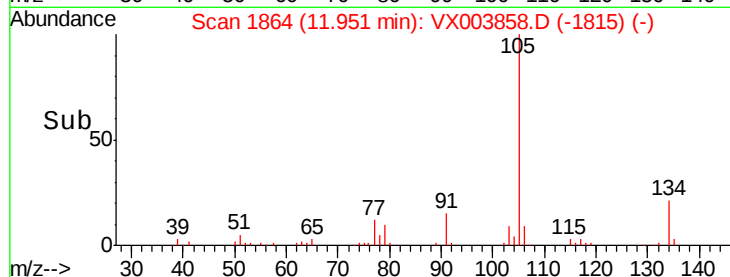
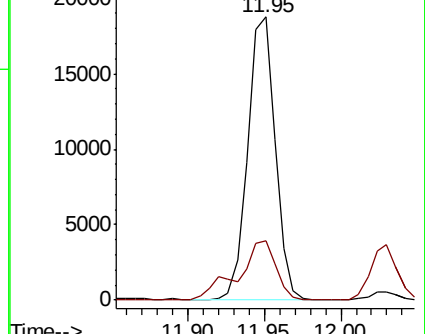
105 100

134 28.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.53 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003858.D

Acq: 03 Aug 2018 19:34

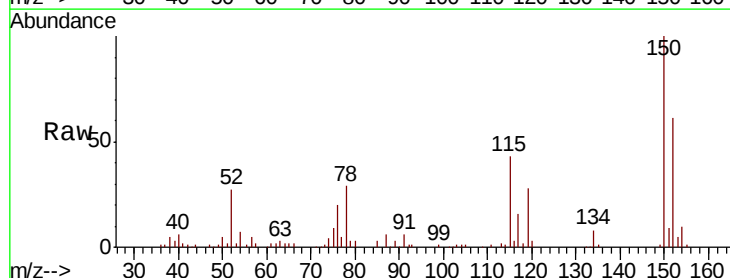
Tgt Ion:119 Resp: 5725

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

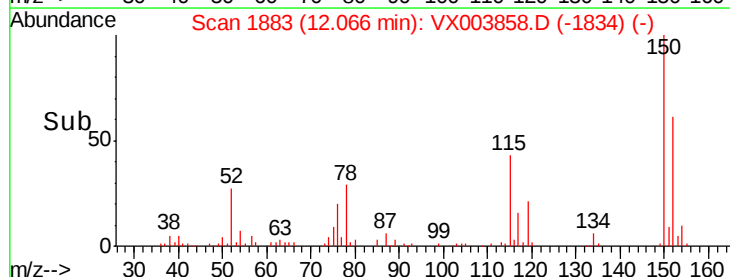
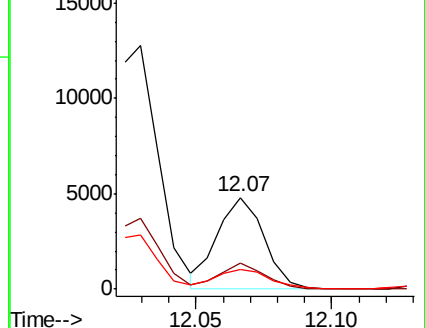
91 25.2 11.1 33.1

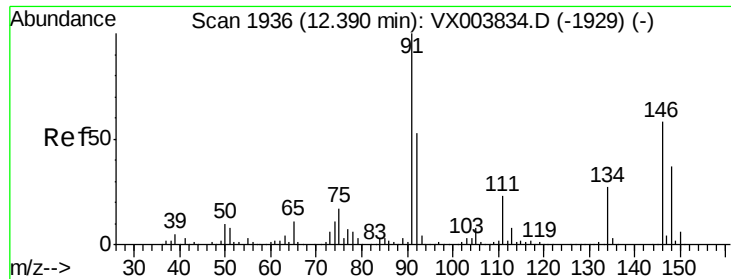


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

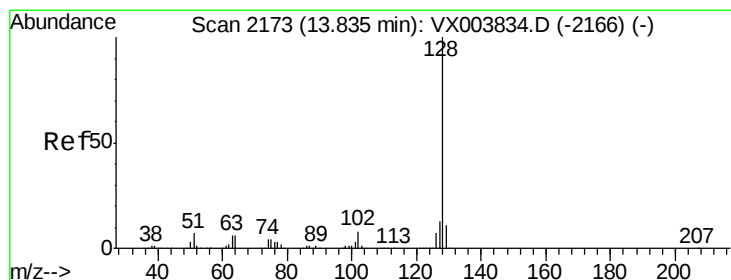
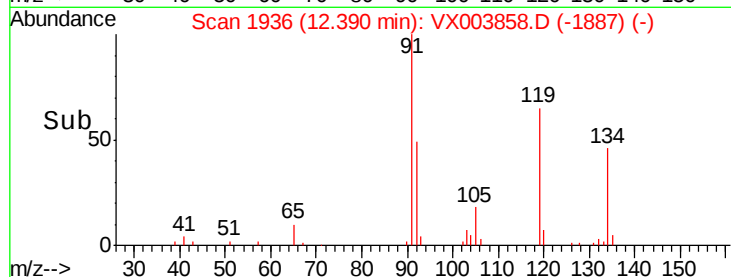
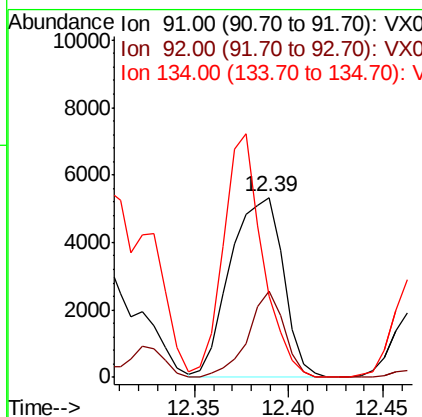
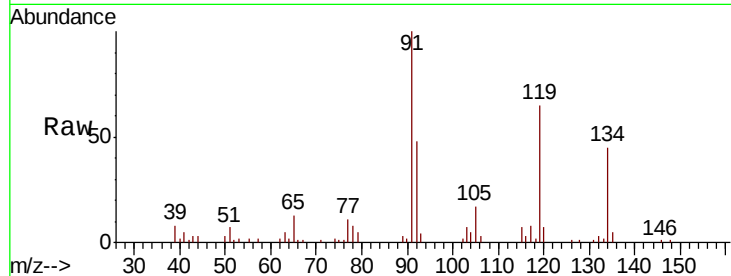




#89
n-Butylbenzene
Concen: 3.24 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Instrument :
MSVOA_X
ClientSampled :
FL-0522

Tot Ion: 91 Resp: 10415
Ion Ratio Lower Upper
91 100
92 32.7 26.3 78.9
134 99.5 13.7 41.0#



#95
Naphthalene
Concen: 0.86 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003858.D
Acq: 03 Aug 2018 19:34

Tgt Ion: 128 Resp: 4092
Ion Ratio Lower Upper
128 100
127 15.4 10.2 15.4#
129 15.7 8.7 13.1#

