

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003693.D
 Acq On : 27 Jul 2018 02:53
 Operator : JC/SP
 Sample : J4154-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0504

Quant Time: Jul 27 17:21:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	81720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	134935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	131165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	69625	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	69571	57.47	ug/l	0.00
Spiked Amount			Recovery	=	114.94%	
35) Dibromofluoromethane	5.51	113	55764	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	8.72	98	218707	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.14	95	76957	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

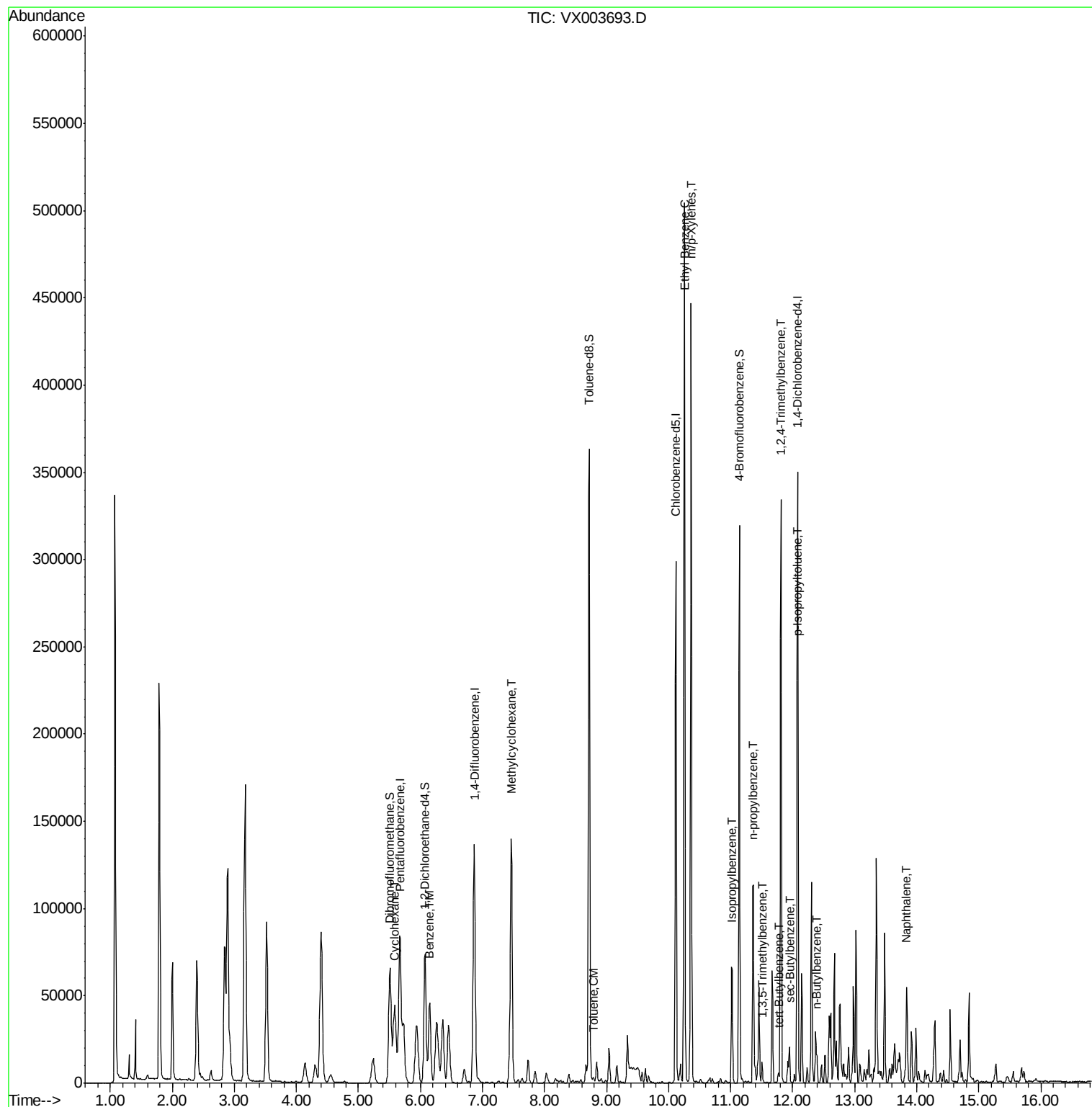
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	29194	17.94	ug/l	97
39) Methylcyclohexane	7.46	83	56918	32.78	ug/l	95
40) Benzene	6.15	78	55095	11.80	ug/l	98
52) Toluene	8.79	92	1082	0.37	ug/l	95
67) Ethyl Benzene	10.26	91	280627	50.79	ug/l	99
68) m/p-Xylenes	10.37	106	102033	48.13	ug/l	100
73) Isopropylbenzene	11.02	105	33471	7.04	ug/l	99
78) n-propylbenzene	11.36	91	58650	10.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	4952	1.23	ug/l	97
83) tert-Butylbenzene	11.77	119	2194	0.56	ug/l	81
84) 1,2,4-Trimethylbenzene	11.81	105	136010	32.88	ug/l	99
85) sec-Butylbenzene	11.95	105	10967	2.33	ug/l	99
86) p-Isopropyltoluene	12.07	119	7596	1.80	ug/l	94
89) n-Butylbenzene	12.39	91	7337	1.93	ug/l #	61
95) Naphthalene	13.84	128	34573	6.52	ug/l	98

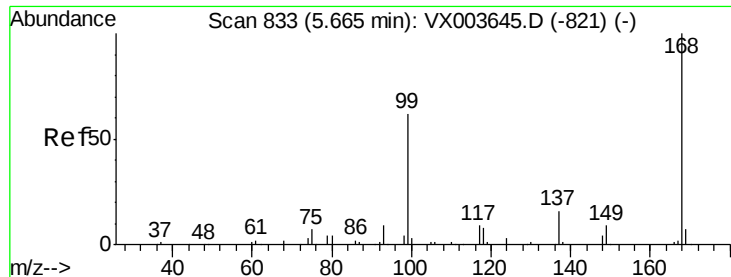
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

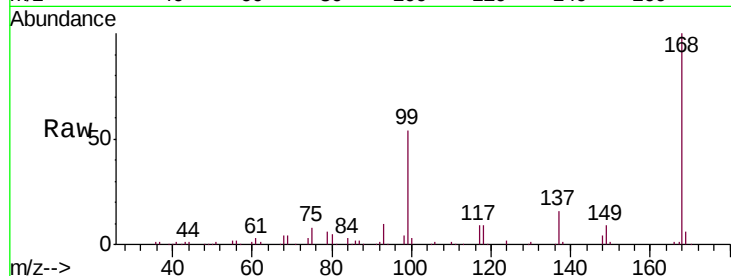
FL-0504

Tot Ion:168 Resp: 81720

Ion Ratio Lower Upper

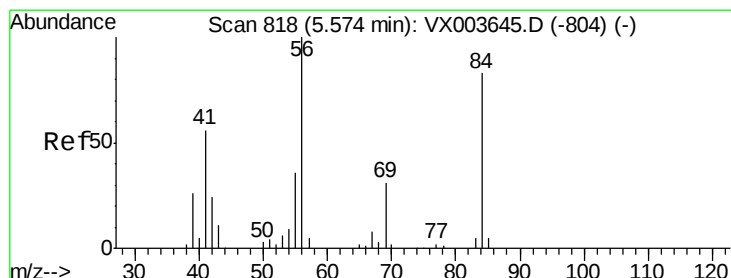
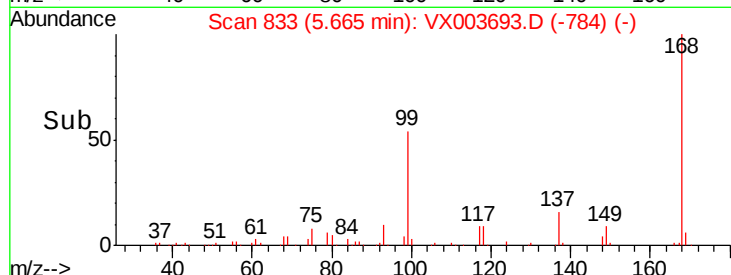
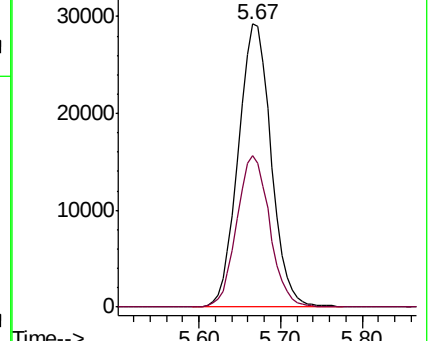
168 100

99 53.7 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 17.94 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

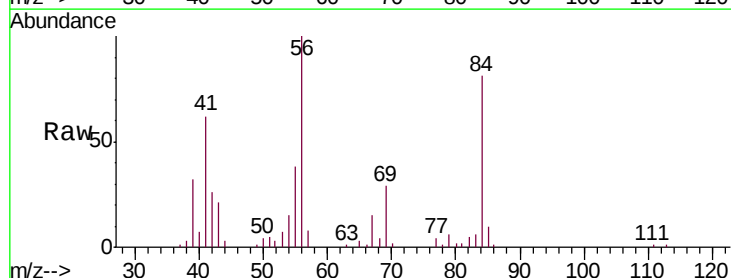
Tgt Ion: 56 Resp: 29194

Ion Ratio Lower Upper

56 100

69 28.9 25.0 37.6

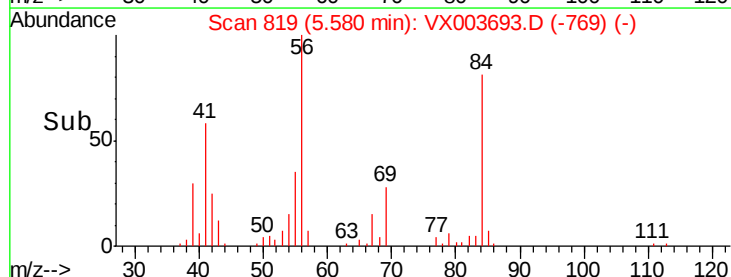
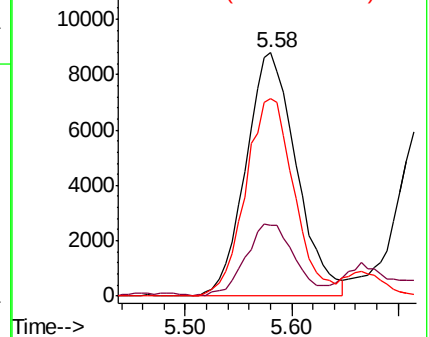
84 81.0 66.5 99.7

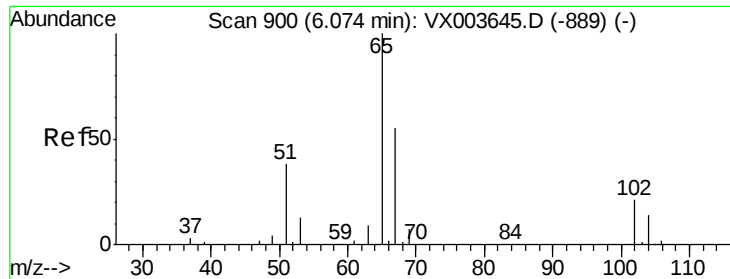


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

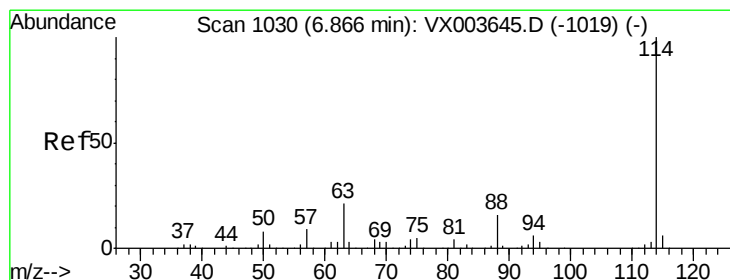
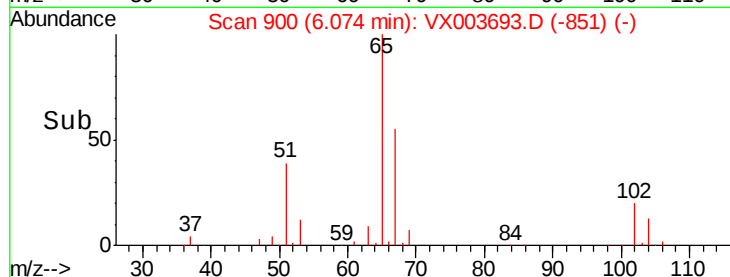
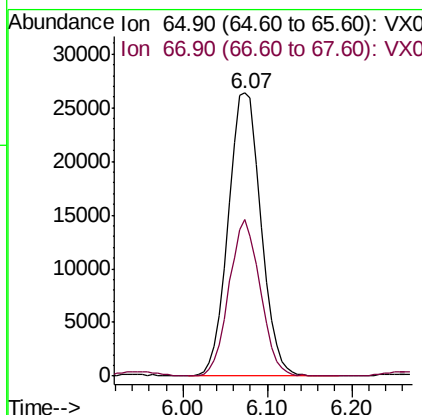
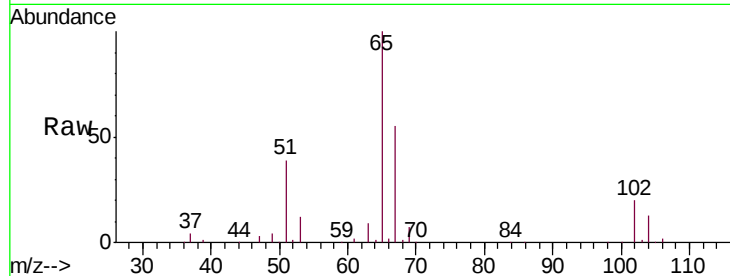




#33
 1,2-Dichloroethane-d4
 Concen: 57.47 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003693.D
 Acq: 27 Jul 2018 02:53

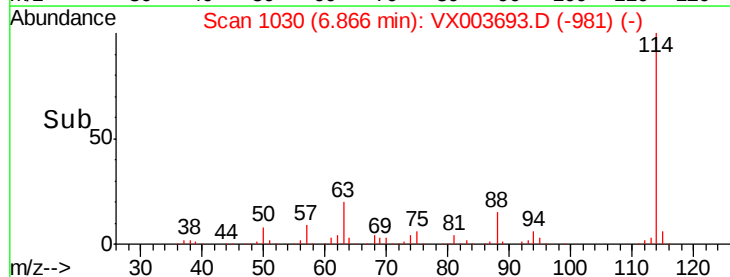
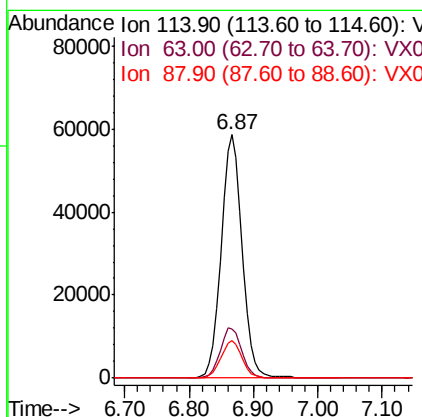
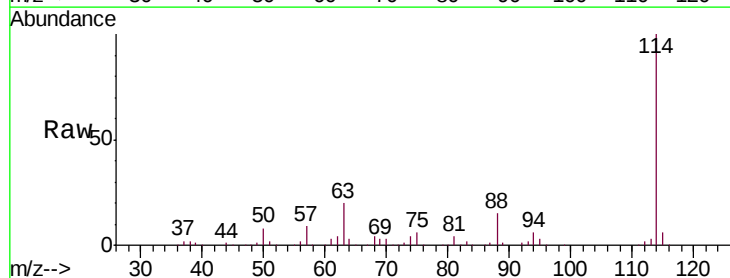
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0504

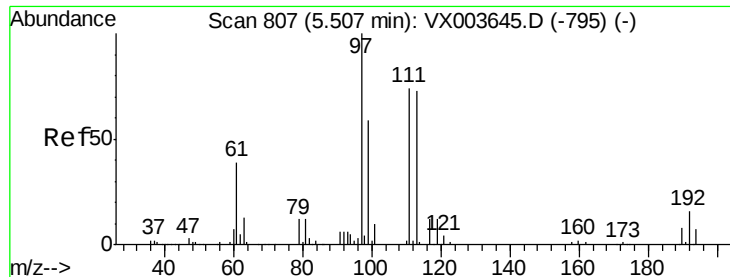
Tot Ion: 65 Resp: 69571
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003693.D
 Acq: 27 Jul 2018 02:53

Tgt Ion: 114 Resp: 134935
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.0
 88 15.3 0.0 31.8

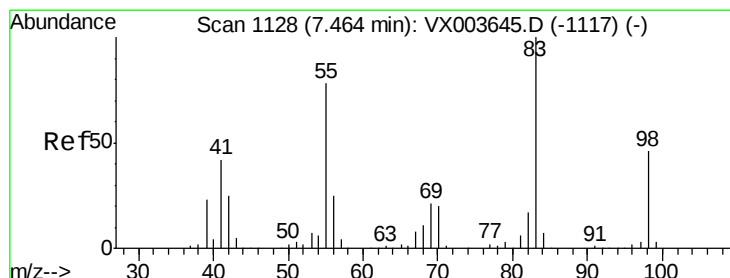
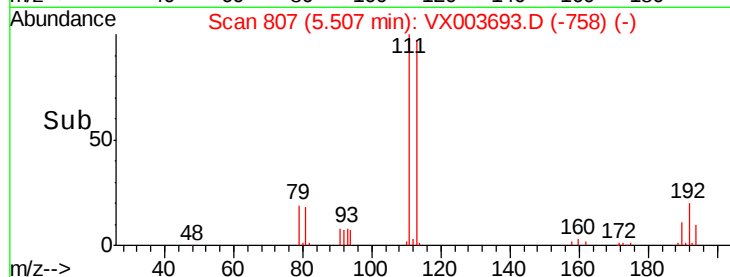
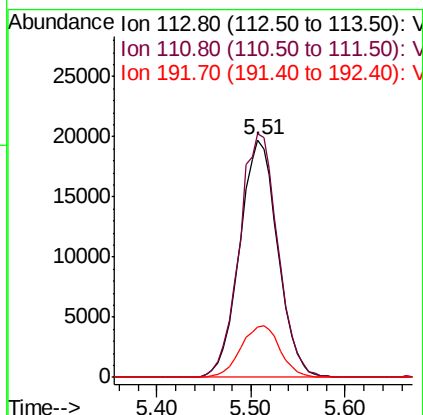
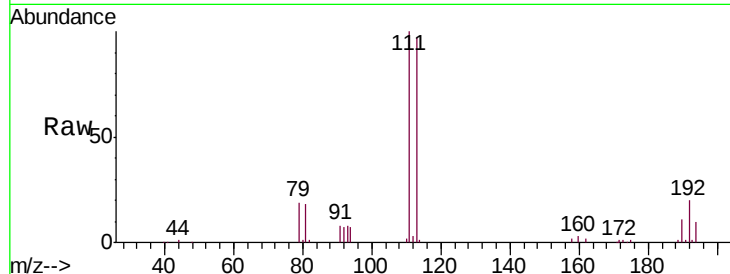




#35
 Dibromofluoromethane
 Concen: 50.55 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003693.D
 Acq: 27 Jul 2018 02:53

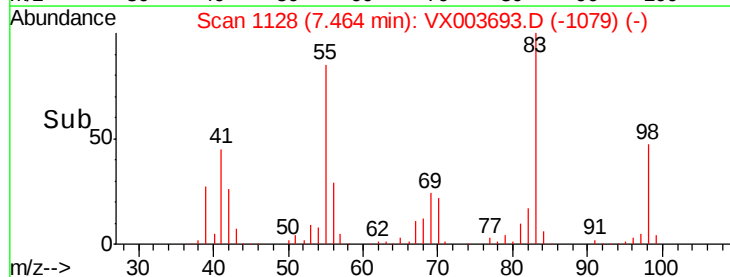
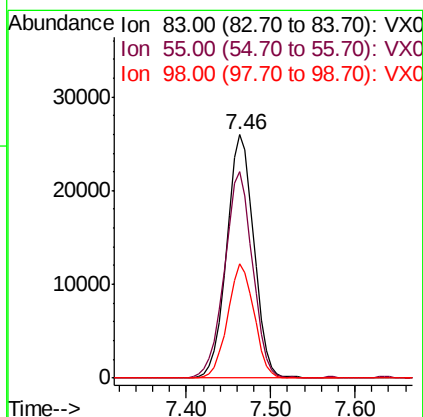
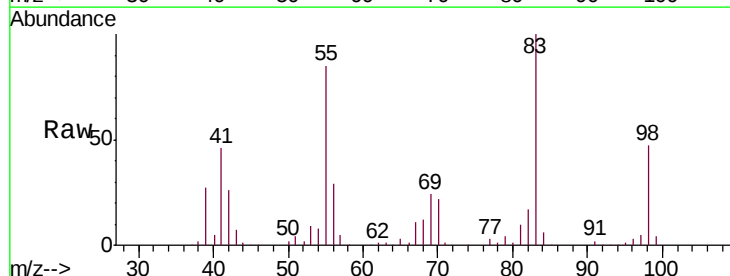
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0504

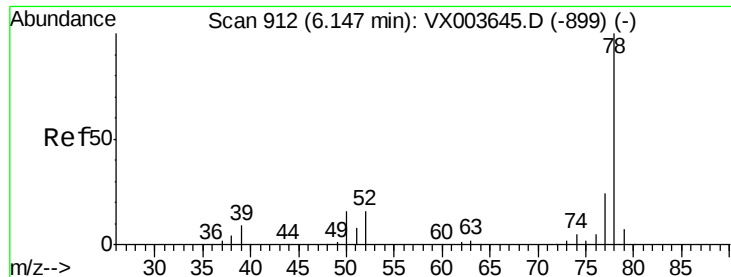
Tot Ion:113 Resp: 55764
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.2 121.8
 192 22.2 18.2 27.4



#39
 Methylcyclohexane
 Concen: 32.78 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003693.D
 Acq: 27 Jul 2018 02:53

Tgt Ion: 83 Resp: 56918
 Ion Ratio Lower Upper
 83 100
 55 84.4 62.6 93.8
 98 46.9 36.6 55.0

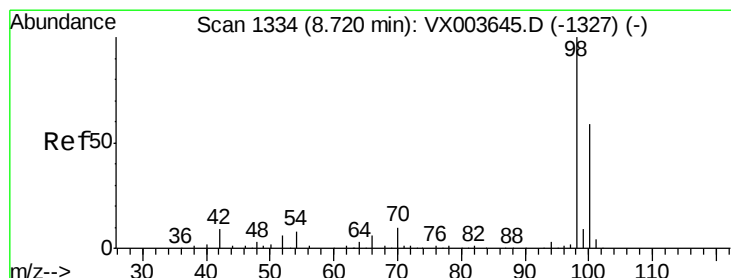
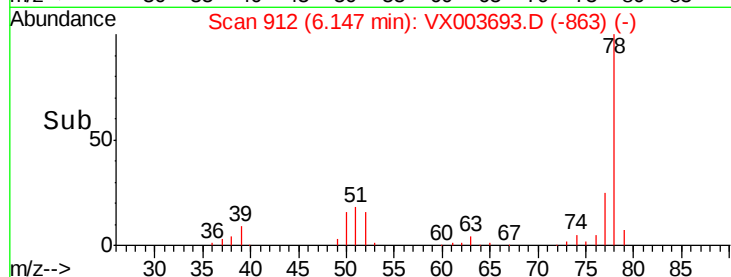
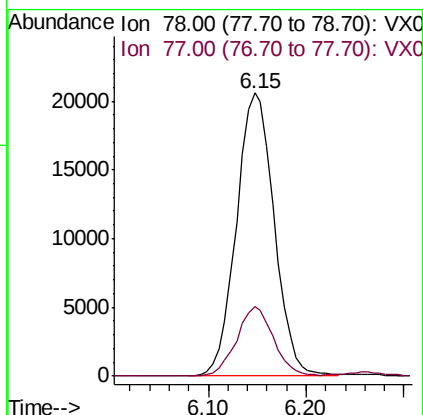
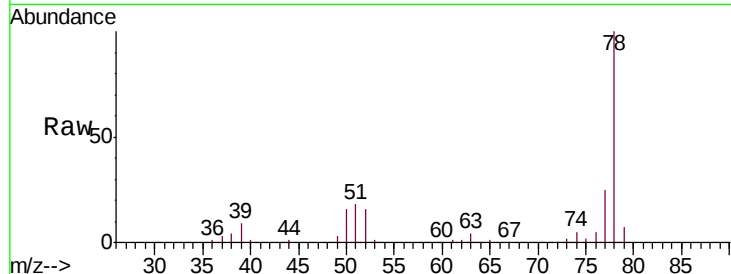




#40
Benzene
Concen: 11.80 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

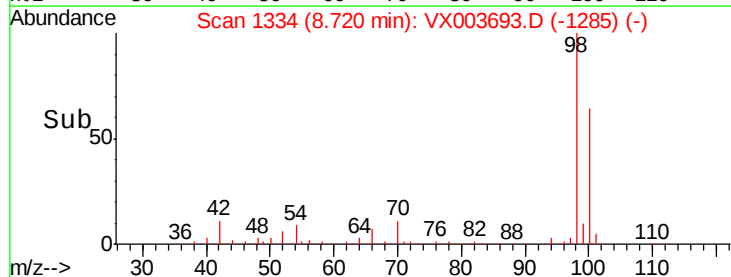
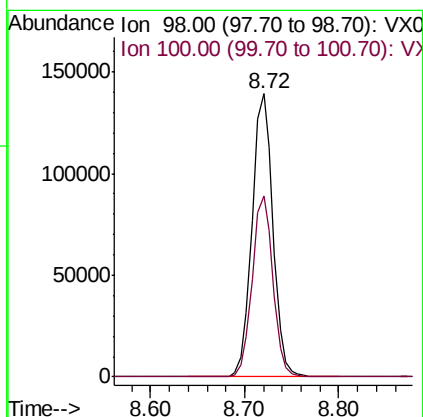
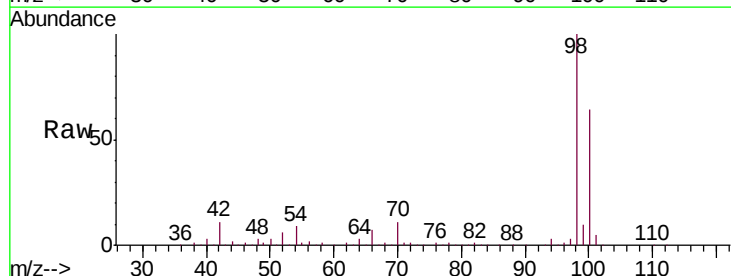
Instrument :
MSVOA_X
ClientSampleId :
FL-0504

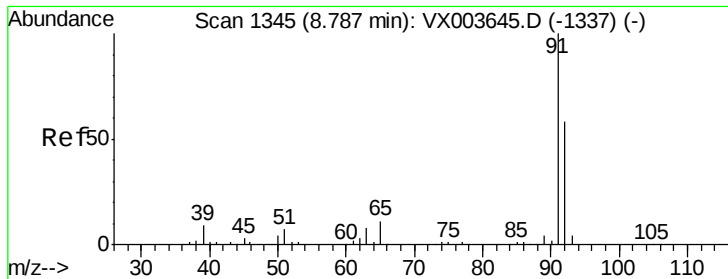
Tot Ion: 78 Resp: 55095
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6



#50
Toluene-d8
Concen: 51.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

Tgt Ion: 98 Resp: 218707
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#52

Toluene

Concen: 0.37 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

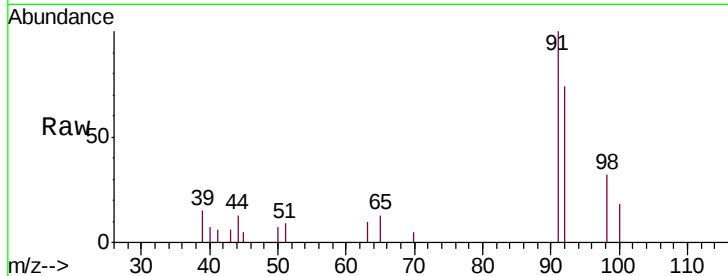
FL-0504

Tot Ion: 92 Resp: 1082

Ion Ratio Lower Upper

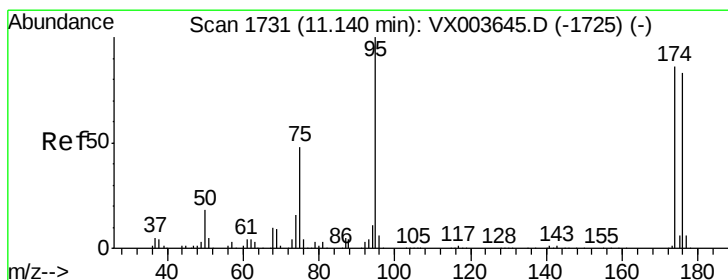
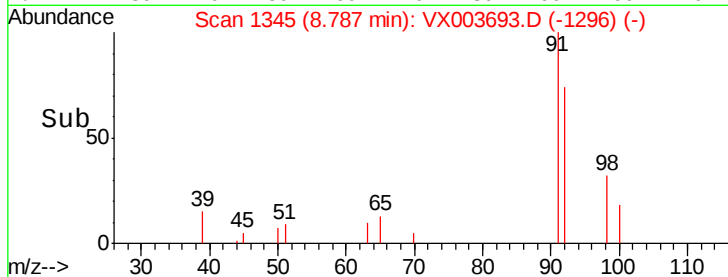
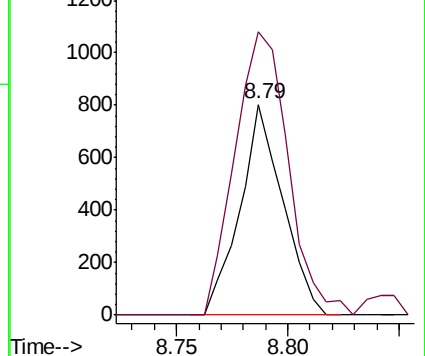
92 100

91 166.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

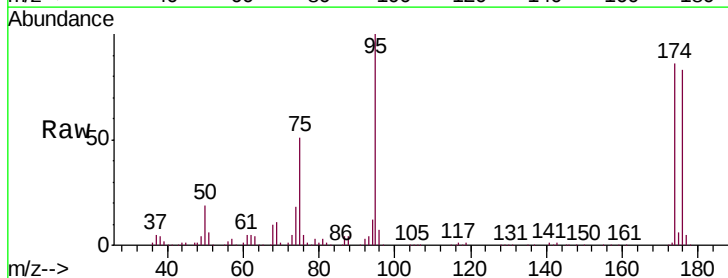
Tgt Ion: 95 Resp: 76957

Ion Ratio Lower Upper

95 100

174 87.3 0.0 179.0

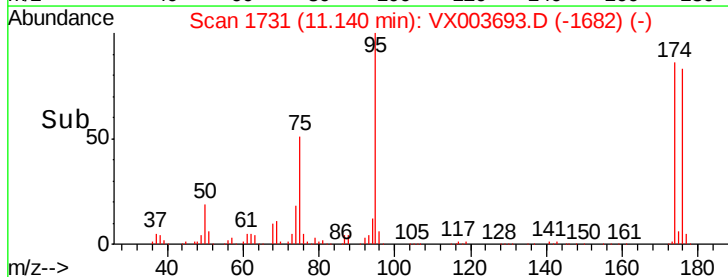
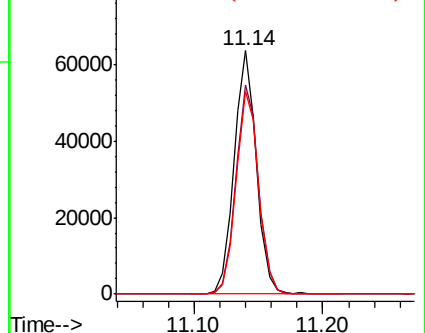
176 84.3 0.0 173.0

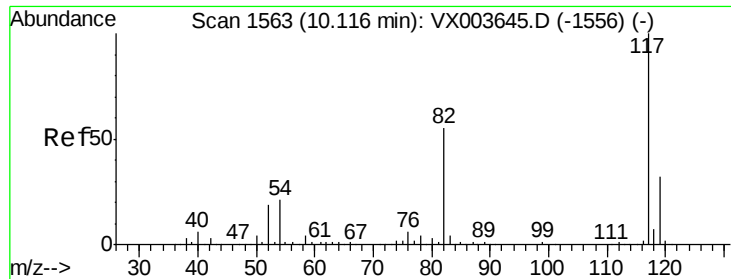


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

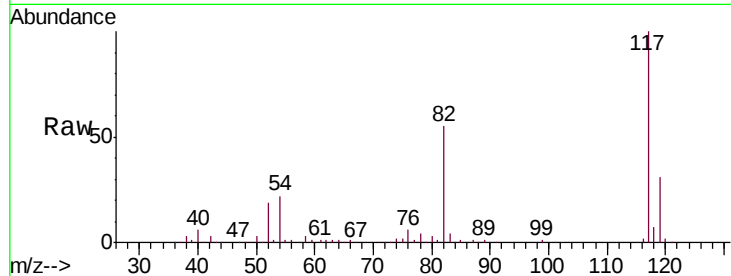




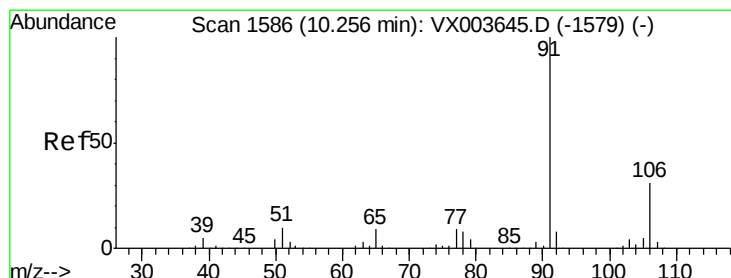
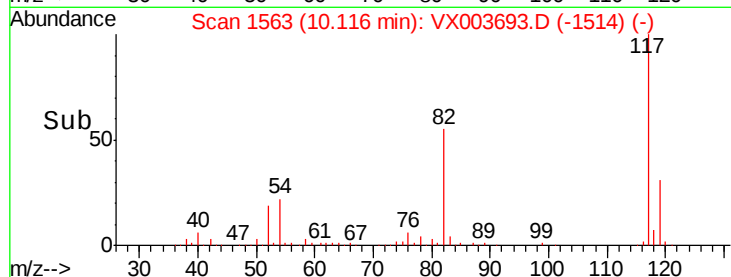
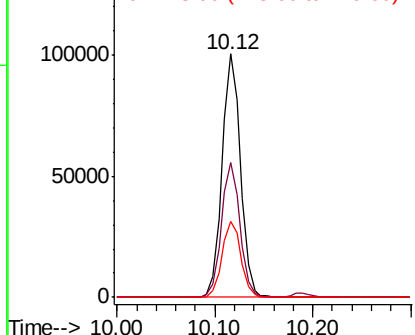
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

Instrument :
MSVOA_X
ClientSampleId :
FL-0504

Tot Ion:117 Resp: 131165
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 31.4 25.6 38.4

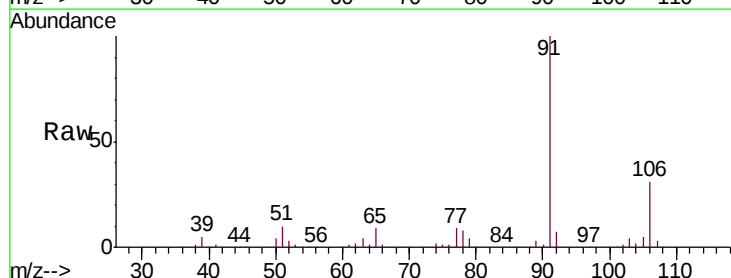


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

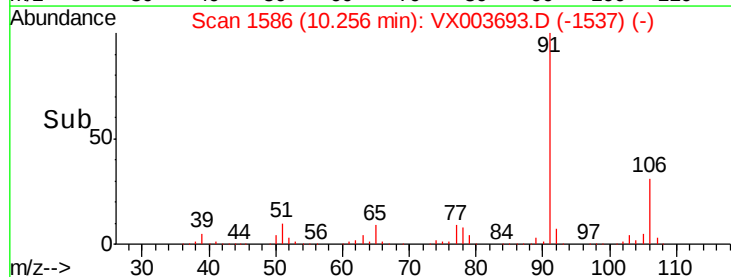
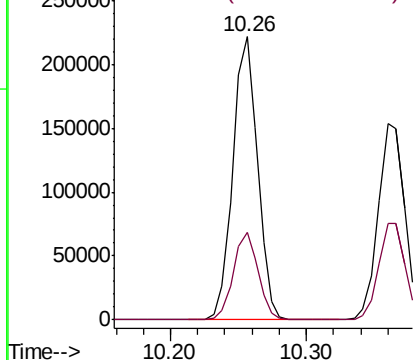


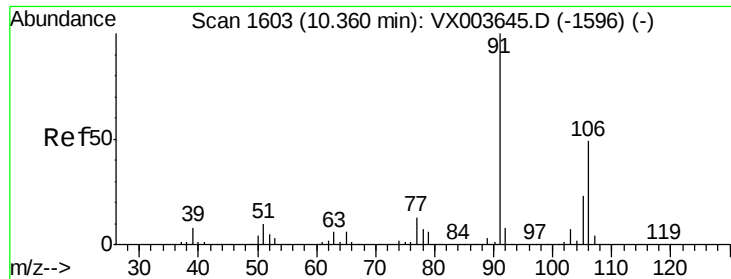
#67
Ethyl Benzene
Concen: 50.79 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

Tgt Ion: 91 Resp: 280627
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.6



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

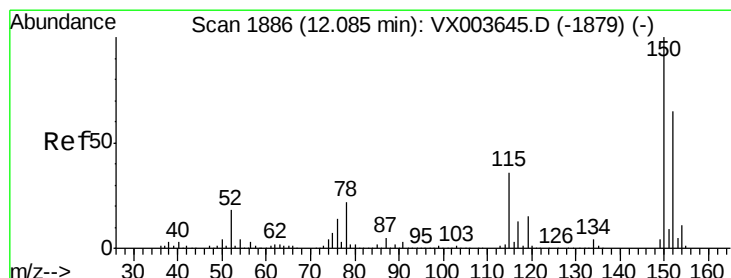
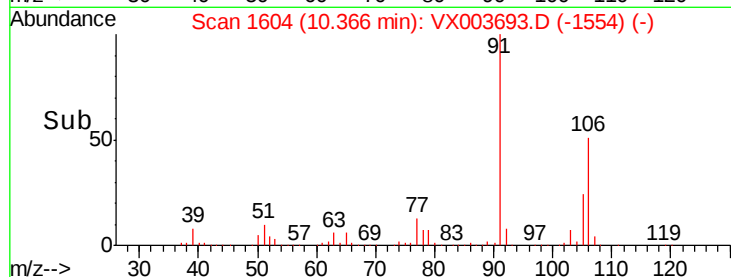
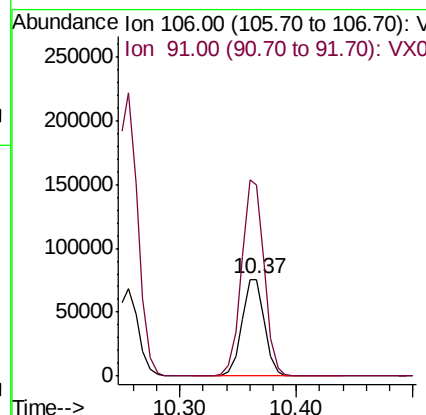
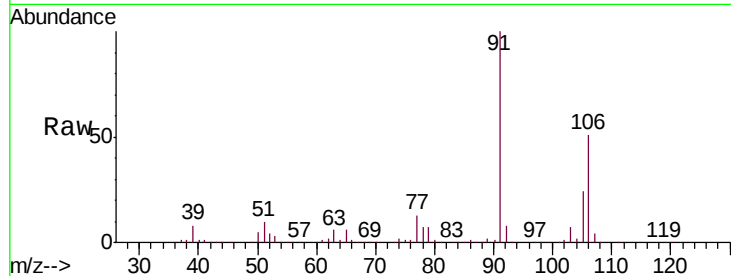




#68
m/p-Xvlenes
Concen: 48.13 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

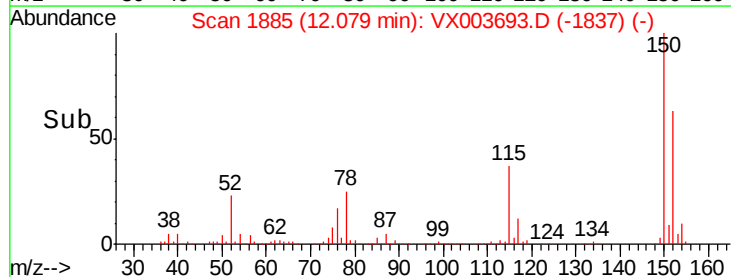
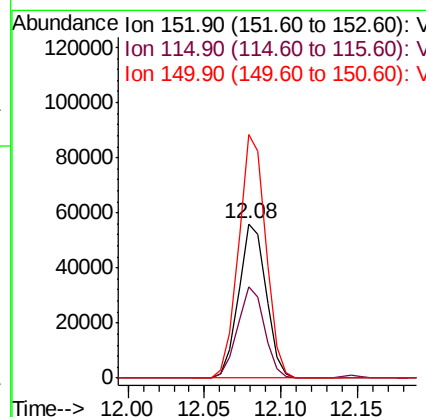
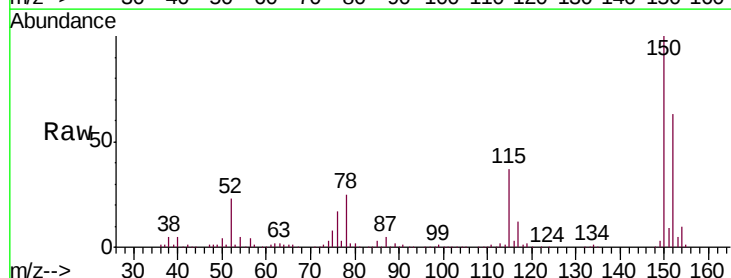
Instrument :
MSVOA_X
ClientSampled :
FL-0504

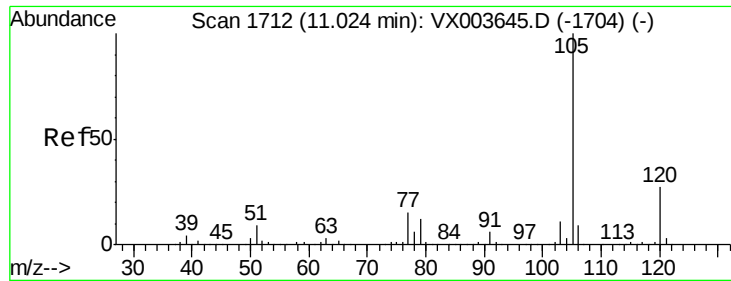
Tot Ion:106 Resp: 102033
Ion Ratio Lower Upper
106 100
91 203.1 162.2 243.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

Tgt Ion:152 Resp: 69625
Ion Ratio Lower Upper
152 100
115 58.0 40.0 119.9
150 156.2 0.0 348.4





#73

Isopropylbenzene

Concen: 7.04 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

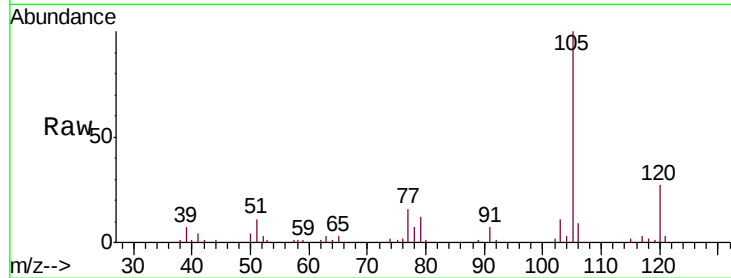
FL-0504

Tot Ion:105 Resp: 33471

Ion Ratio Lower Upper

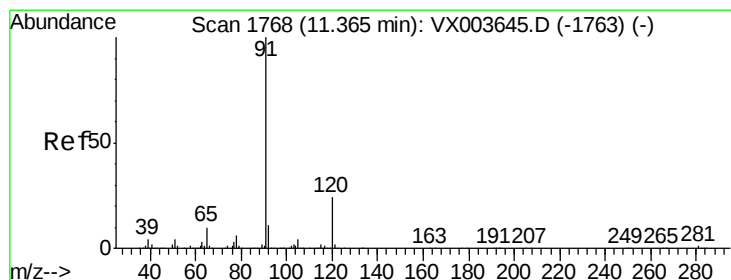
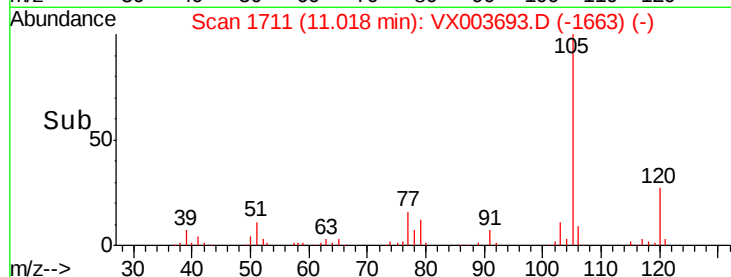
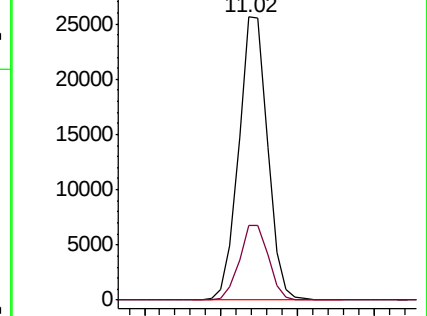
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 10.68 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003693.D

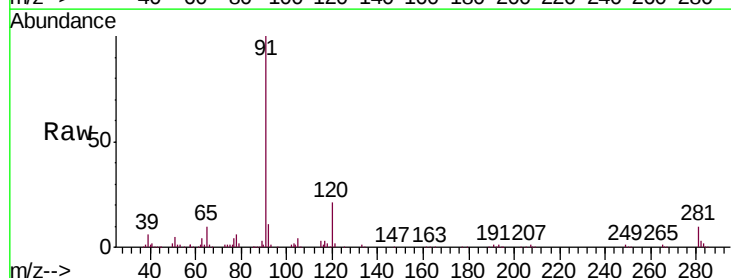
Acq: 27 Jul 2018 02:53

Tgt Ion: 91 Resp: 58650

Ion Ratio Lower Upper

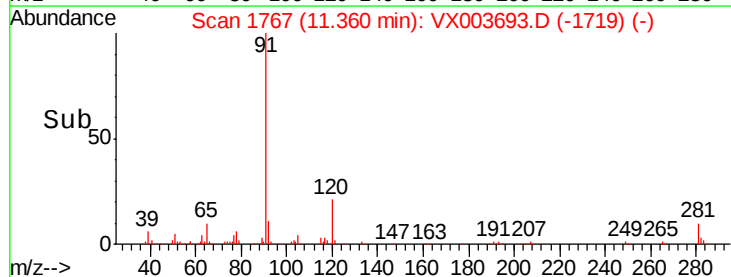
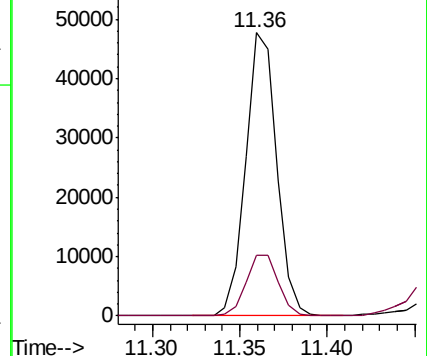
91 100

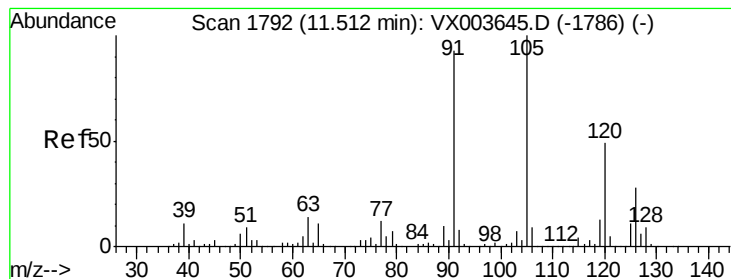
120 22.4 11.8 35.3



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: 1.23 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

Instrument :

MSVOA_X

ClientSampled :

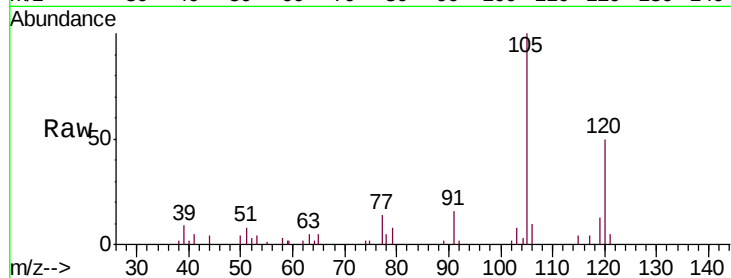
FL-0504

Tot Ion:105 Resp: 4952

Ion Ratio Lower Upper

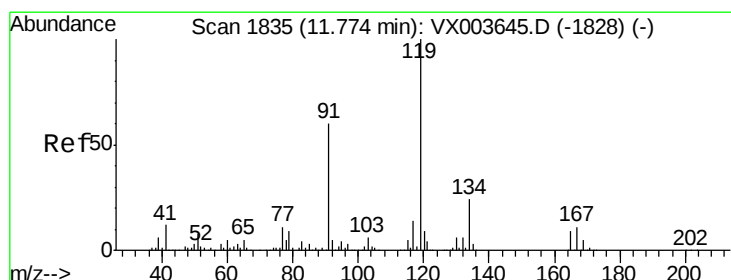
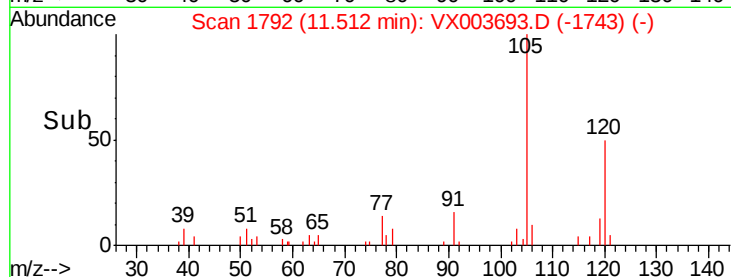
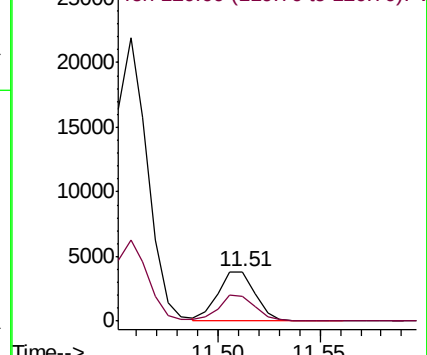
105 100

120 51.2 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: 0.56 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

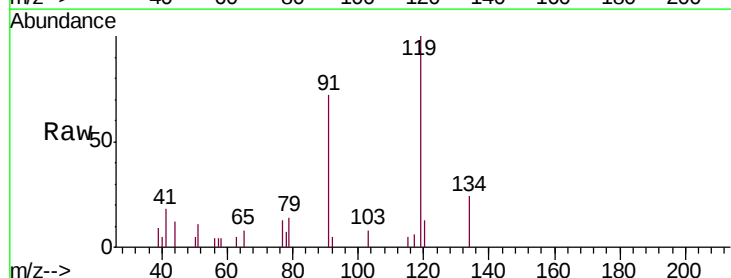
Tgt Ion:119 Resp: 2194

Ion Ratio Lower Upper

119 100

91 75.5 28.4 85.2

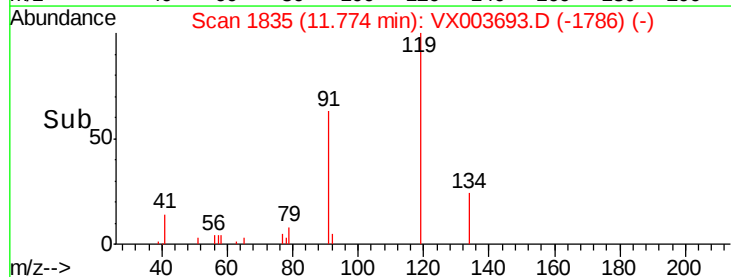
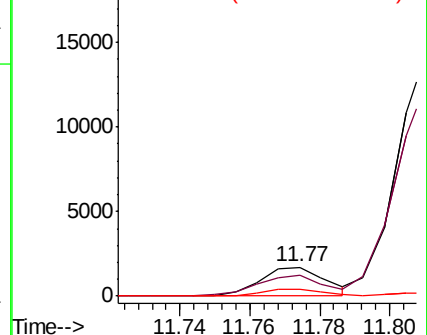
134 22.2 11.6 34.8

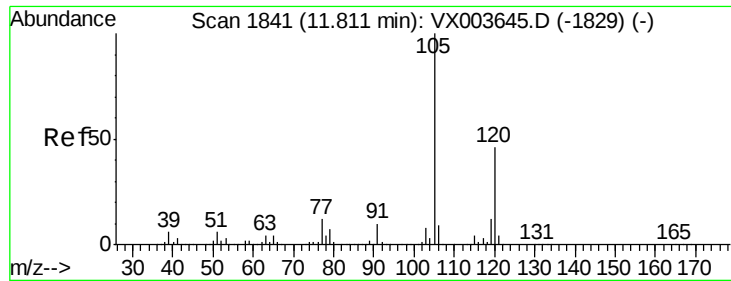


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

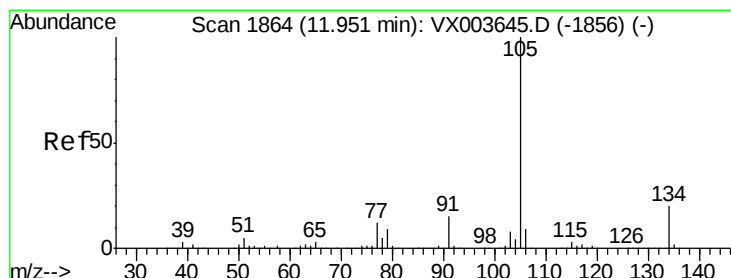
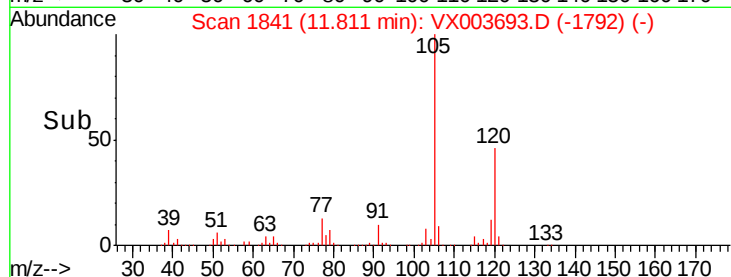
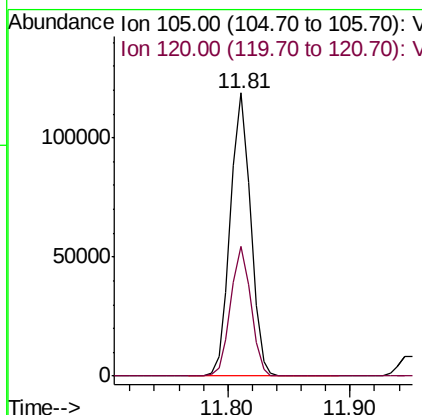
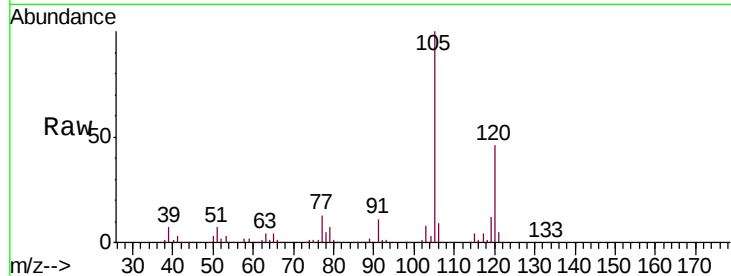




#84
 1,2,4-Trimethylbenzene
 Concen: 32.88 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003693.D
 Acq: 27 Jul 2018 02:53

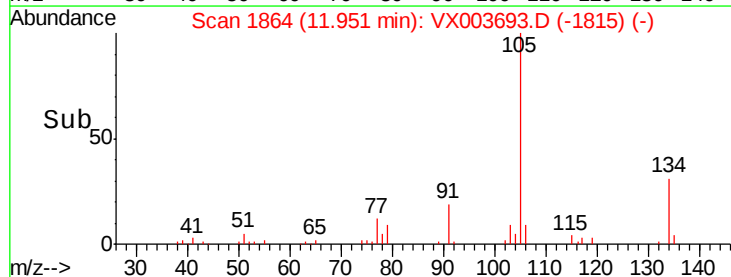
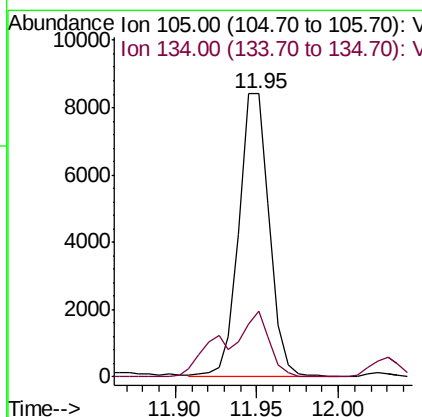
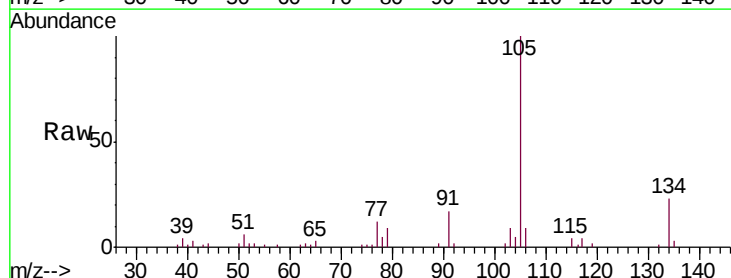
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0504

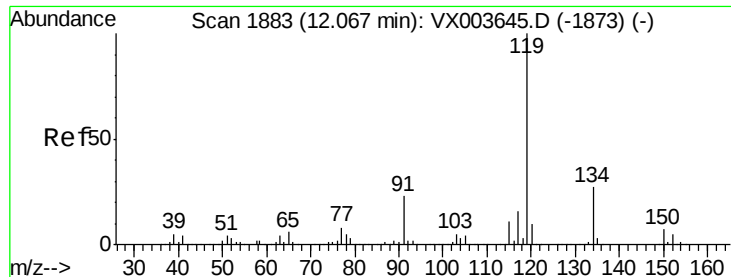
Tot Ion:105 Resp: 136010
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 2.33 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003693.D
 Acq: 27 Jul 2018 02:53

Tgt Ion:105 Resp: 10967
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.1 30.1

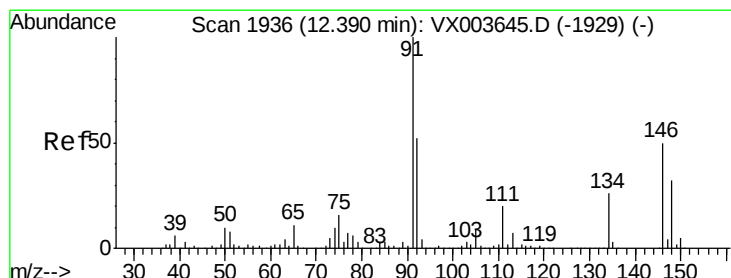
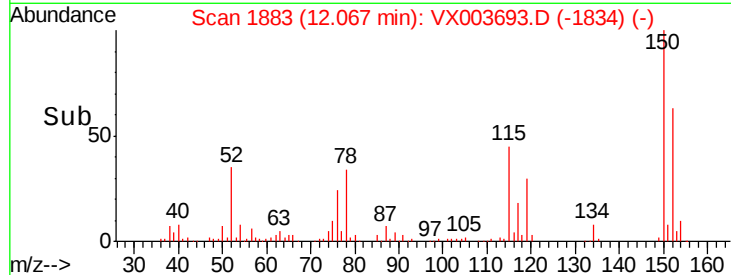
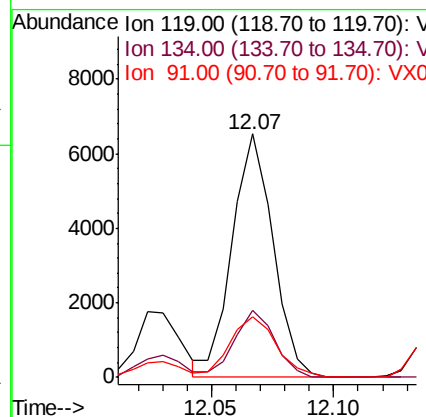
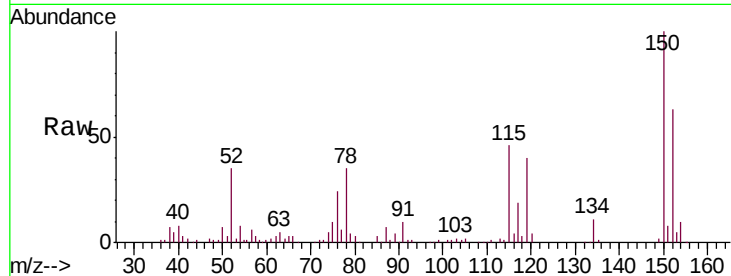




#86
p-Isopropyltoluene
Concen: 1.80 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

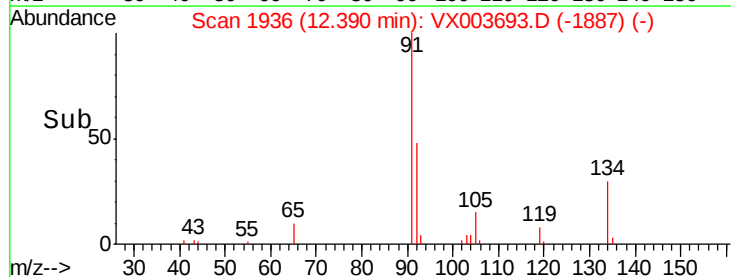
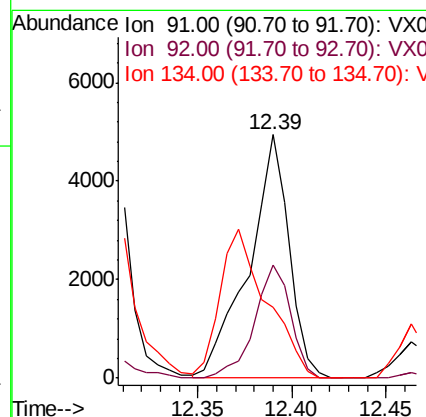
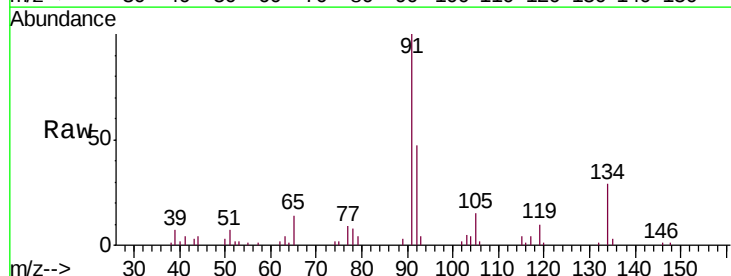
Instrument :
MSVOA_X
ClientSampled :
FL-0504

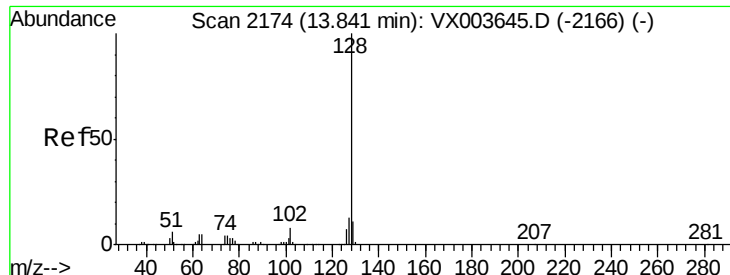
Tot Ion:119 Resp: 7596
Ion Ratio Lower Upper
119 100
134 27.4 13.3 39.9
91 28.2 11.5 34.5



#89
n-Butylbenzene
Concen: 1.93 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003693.D
Acq: 27 Jul 2018 02:53

Tgt Ion: 91 Resp: 7337
Ion Ratio Lower Upper
91 100
92 41.9 26.3 78.9
134 70.8 13.3 39.8#





#95

Naphthalene

Concen: 6.52 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003693.D

Acq: 27 Jul 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0504

Tot Ion:128 Resp: 34573

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 12.5 8.7 13.1

