

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004953.D
 Acq On : 03 Oct 2018 07:59
 Operator : JC/MD
 Sample : J5084-01 10X
 Misc : 5.73q/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-8(11-11.5)

Manual Integrations
 APPROVED

sam
 10/3/2018 5:56:56 PM

Quant Time: Oct 03 08:52:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	251798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	363791	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218042	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165593	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	5.50	113	149212	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.71	98	532882	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.14	95	210392	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	7.46	83	213752	49.763	ug/l	92
40) Benzene	6.14	78	10193	0.774	ug/l	99
52) Toluene	8.79	92	179339	24.783	ug/l	98
67) Ethyl Benzene	10.26	91	1303476	89.230	ug/l	95
68) m/p-Xylenes	10.36	106	1314626	230.297	ug/l	96
69) o-Xylene	10.70	106	358201	68.318	ug/l	99
73) Isopropylbenzene	11.02	105	171717	12.494	ug/l	99
78) n-propylbenzene	11.36	91	783476	49.685	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	747266	59.361	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	2691985	207.854	ug/l	99
85) sec-Butylbenzene	11.94	105	80370m	5.831	ug/l	
86) p-Isopropyltoluene	12.07	119	39092	3.131	ug/l	96
89) n-Butylbenzene	12.39	91	276213	24.356	ug/l #	35
95) Naphthalene	13.83	128	553489	30.798	ug/l	100

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

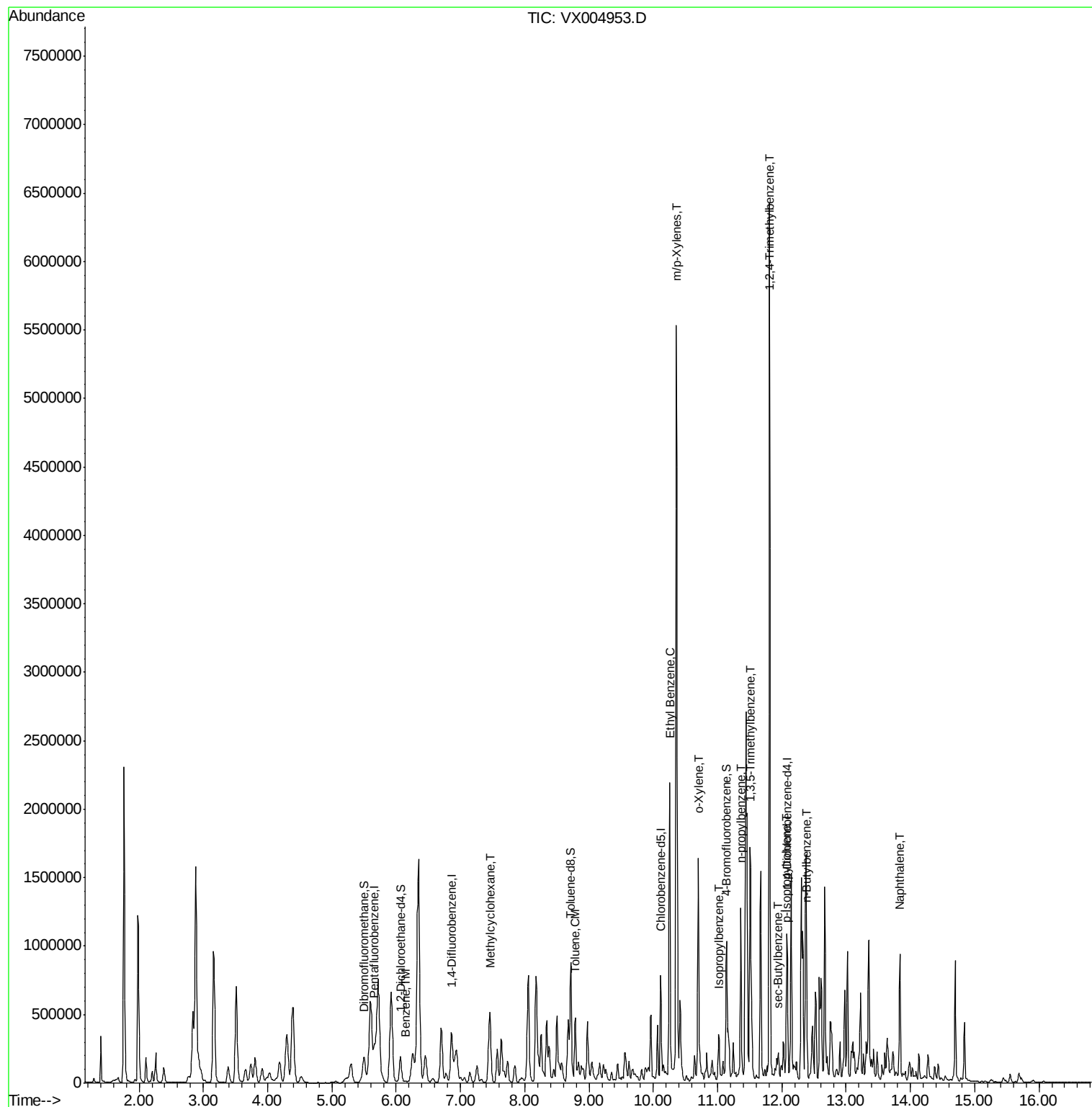
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100318\
Data File : VX004953.D
Acq On : 03 Oct 2018 07:59
Operator : JC/MD
Sample : J5084-01 10X
Misc : 5.73q/5mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 35 Sample Multiplier: 1

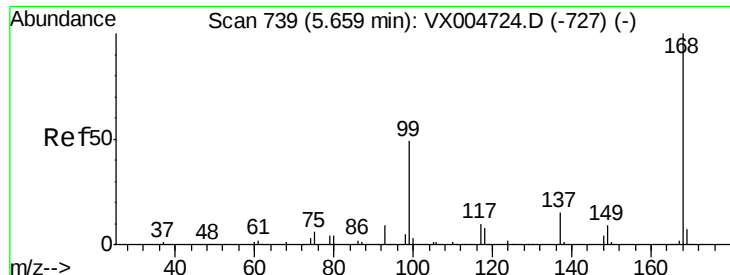
Instrument :
MSVOA_X
ClientSampleId :
B-8(11-11.5)

Manual Integrations
APPROVED

sam
10/3/2018 5:56:56 PM

Quant Time: Oct 03 08:52:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004953.D

Acq: 03 Oct 2018 07:59

Instrument :

MSVOA_X

ClientSampled :

B-8(11-11.5)

Tot Ion:168 Resp: 251798

Ion Ratio Lower Upper

168 100

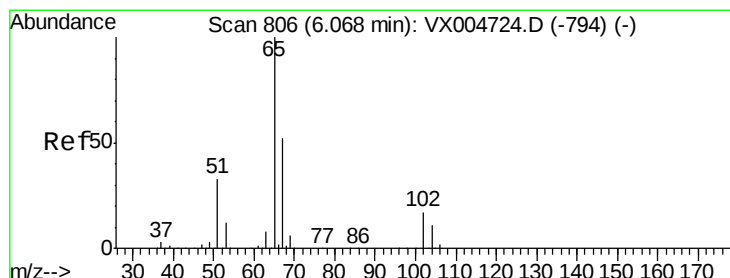
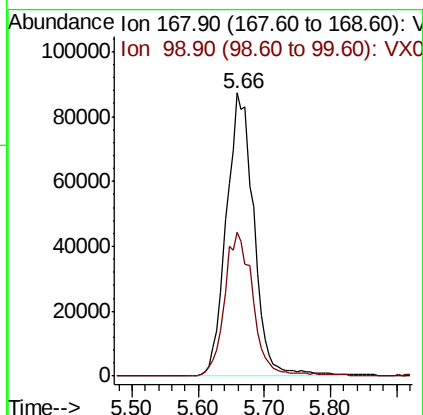
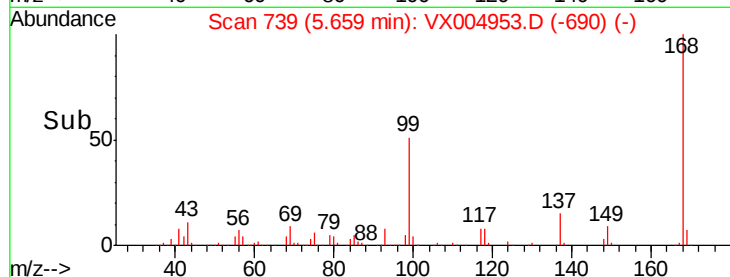
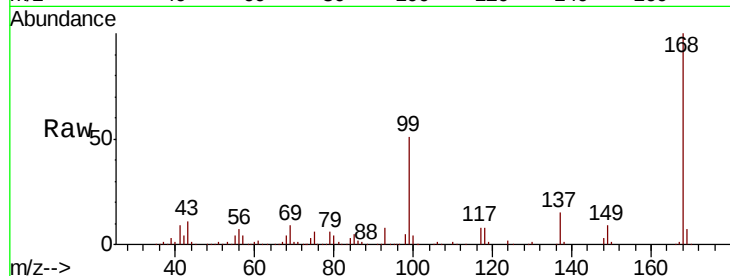
99 50.8 39.3 58.9

Manual Integrations

APPROVED

sam

10/3/2018 5:56:56 PM



#33

1,2-Dichloroethane-d4

Concen: 46.037 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004953.D

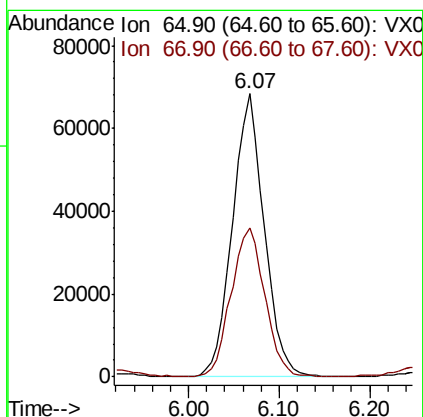
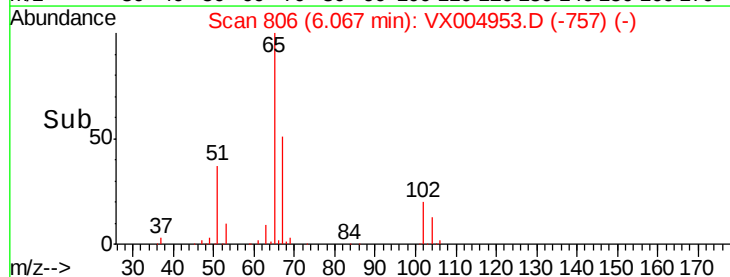
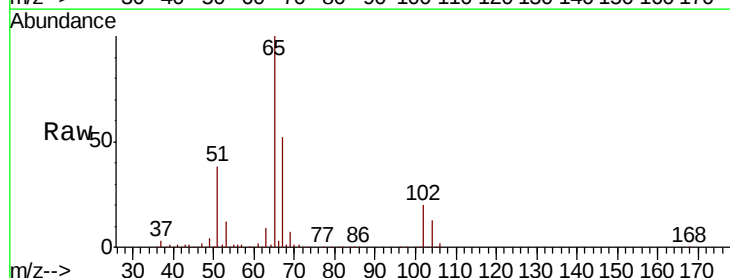
Acq: 03 Oct 2018 07:59

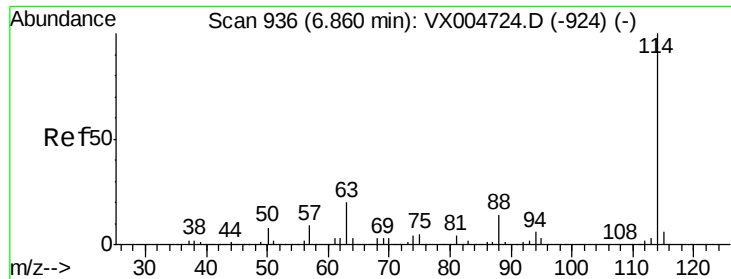
Tgt Ion: 65 Resp: 165593

Ion Ratio Lower Upper

65 100

67 55.5 0.0 107.4





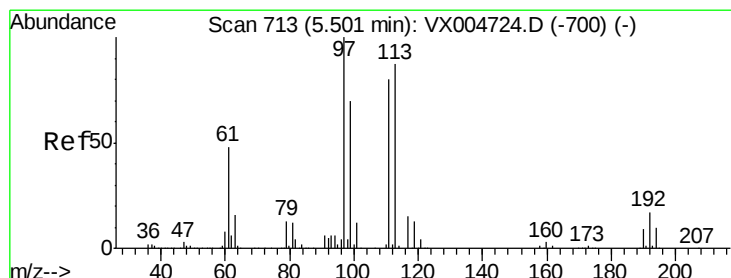
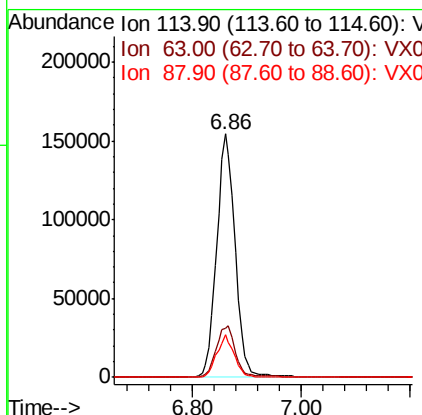
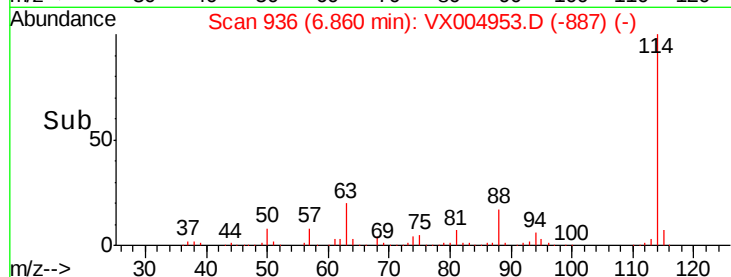
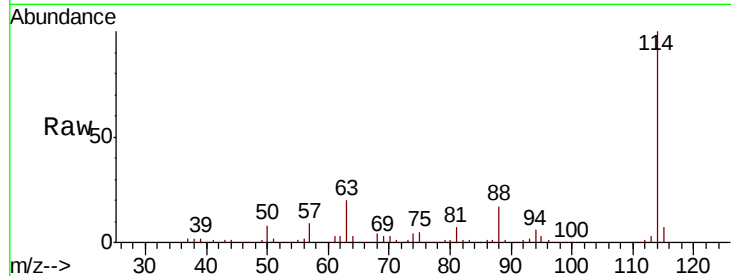
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004953.D
 Acq: 03 Oct 2018 07:59

Instrument :
 MSVOA_X
 ClientSampleId :
 B-8(11-11.5)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	363791		
63	20.2	0.0	39.8	
88	17.3	0.0	27.0	

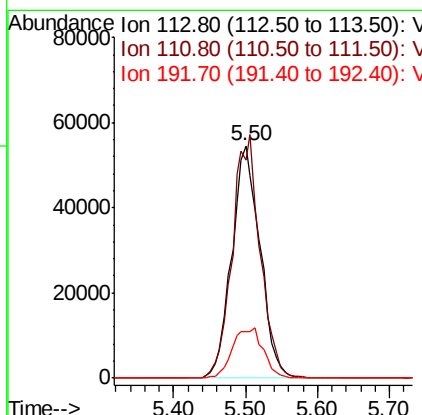
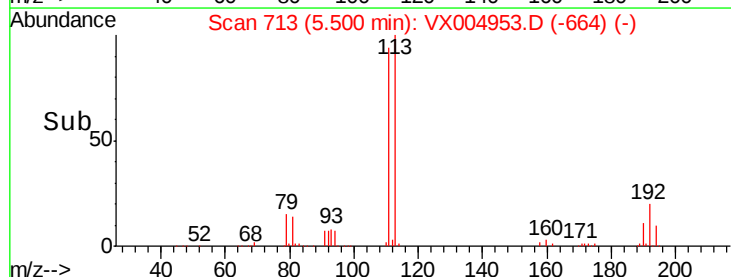
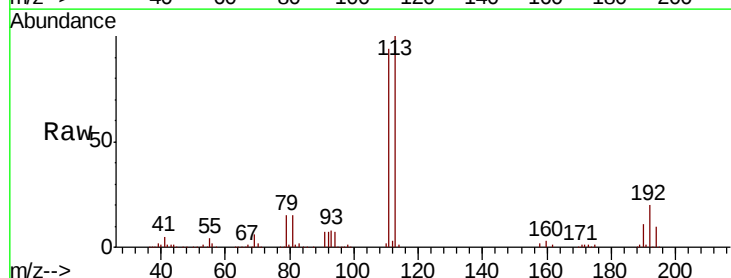
Manual Integrations
 APPROVED

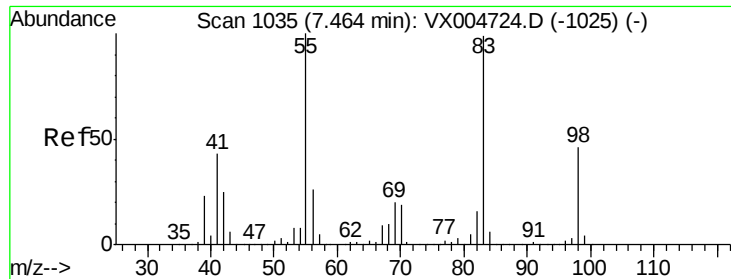
sam
 10/3/2018 5:56:56 PM



#35
 Dibromofluoromethane
 Concen: 48.396 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004953.D
 Acq: 03 Oct 2018 07:59

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	149212		
111	102.5	77.0	115.4	
192	23.4	17.0	25.6	





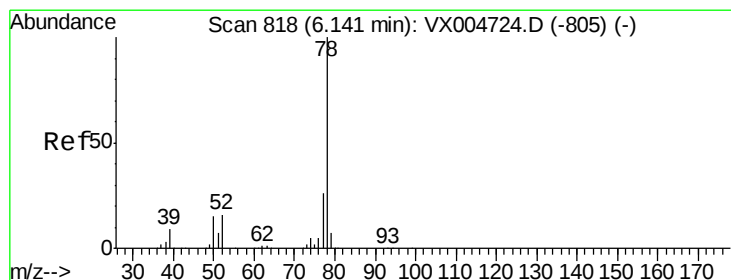
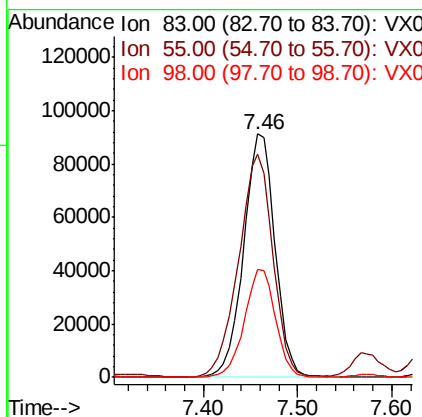
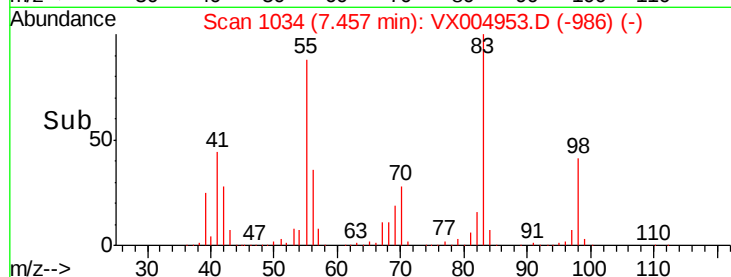
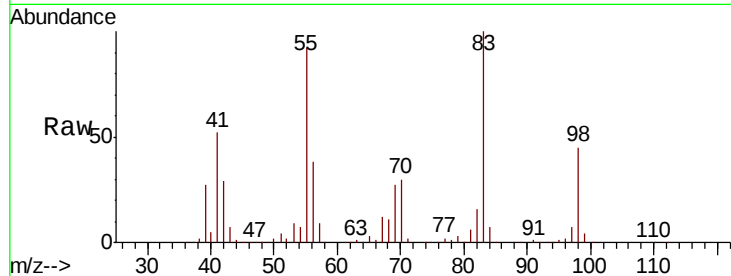
#39
Methvlcvclohexane
Concen: 49.763 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Instrument :
MSVOA_X
ClientSampleId :
B-8(11-11.5)

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	81.1	121.7
98	44.5	37.3	55.9

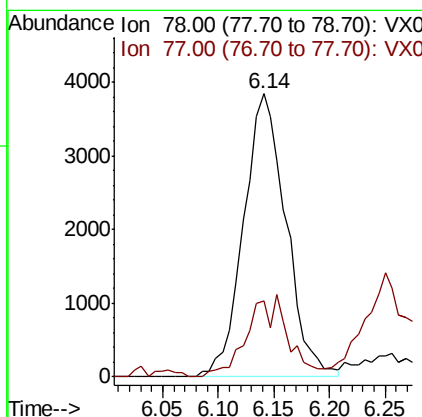
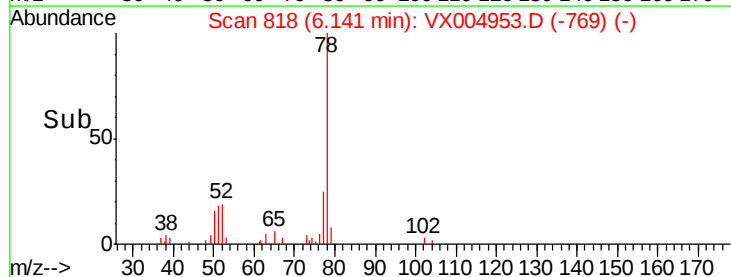
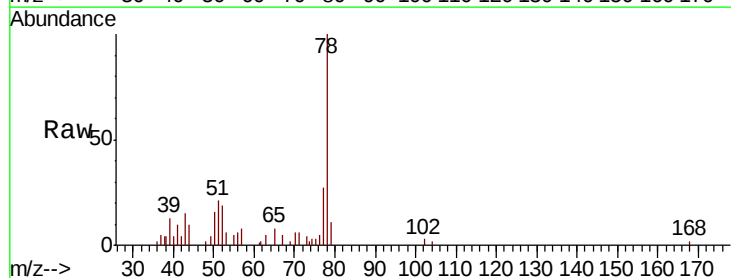
Manual Integrations
APPROVED

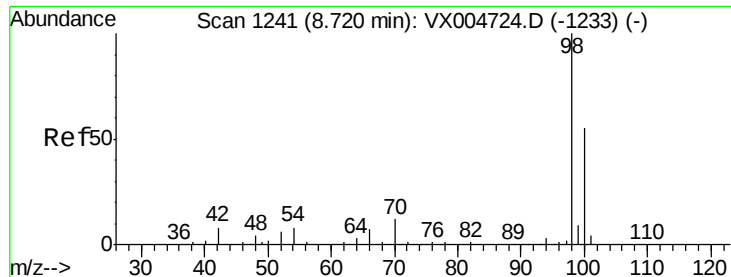
sam
10/3/2018 5:56:56 PM



#40
Benzene
Concen: 0.774 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.7	21.0	31.4





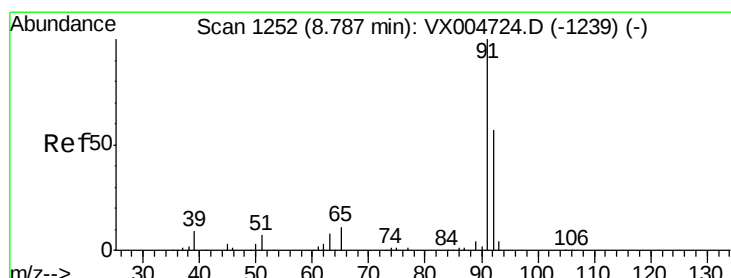
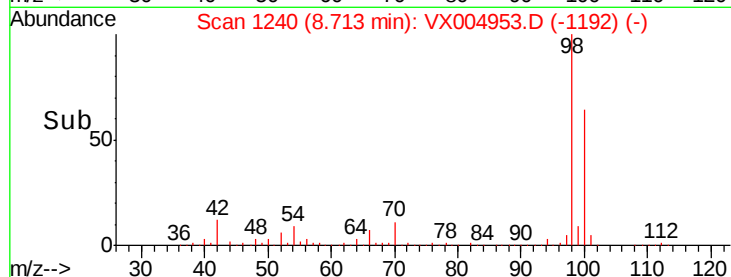
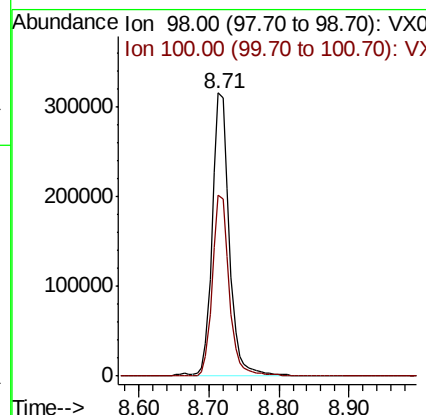
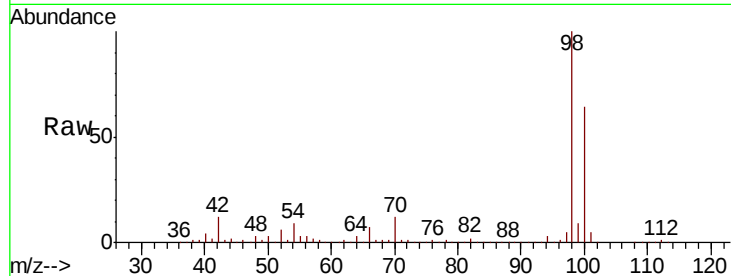
#50
Toluene-d8
Concen: 51.989 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Instrument :
MSVOA_X
ClientSampleId :
B-8(11-11.5)

Tot Ion: 98 Resp: 532882
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

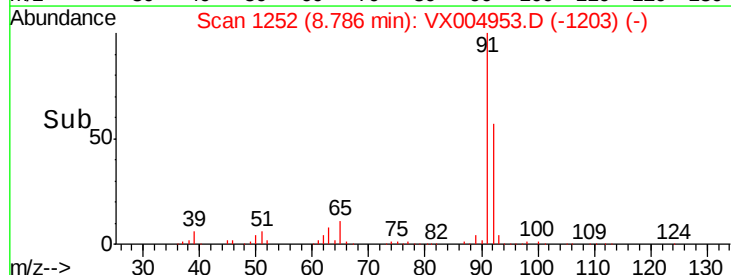
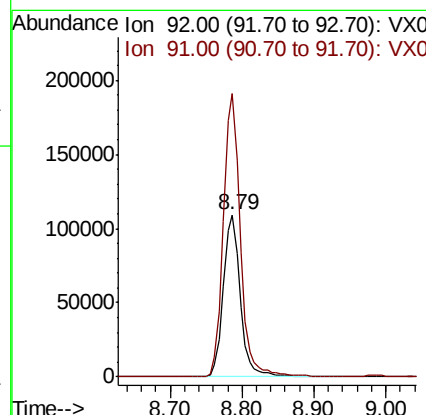
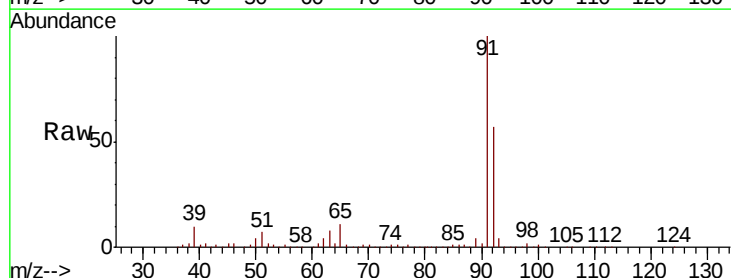
Manual Integrations
APPROVED

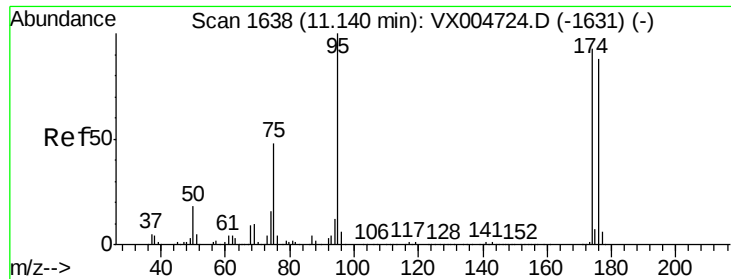
sam
10/3/2018 5:56:56 PM



#52
Toluene
Concen: 24.783 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Tgt Ion: 92 Resp: 179339
Ion Ratio Lower Upper
92 100
91 173.7 136.7 205.1





#62

4-Bromofluorobenzene

Concen: 56.976 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004953.D

Acq: 03 Oct 2018 07:59

Instrument :

MSVOA_X

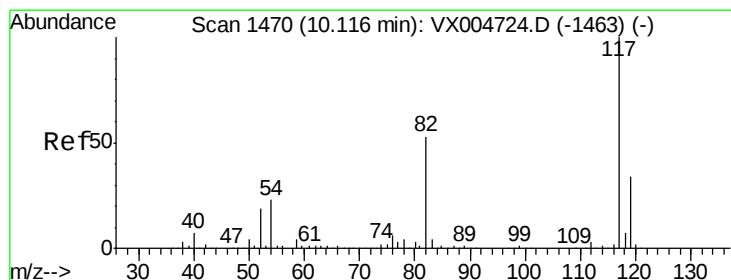
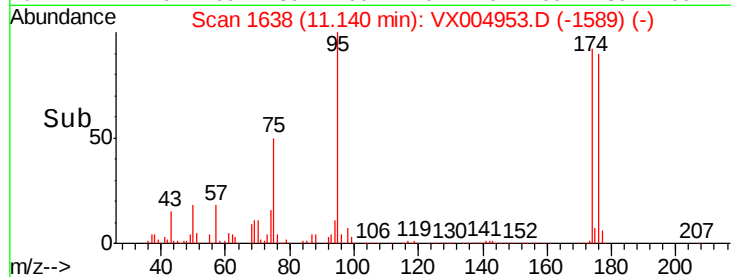
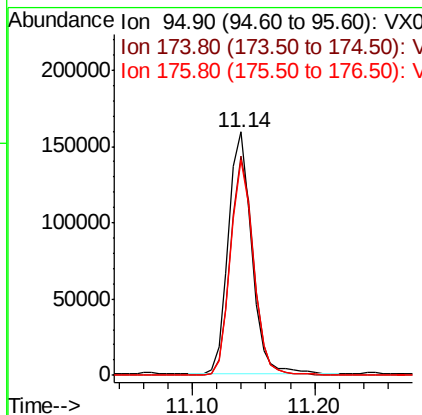
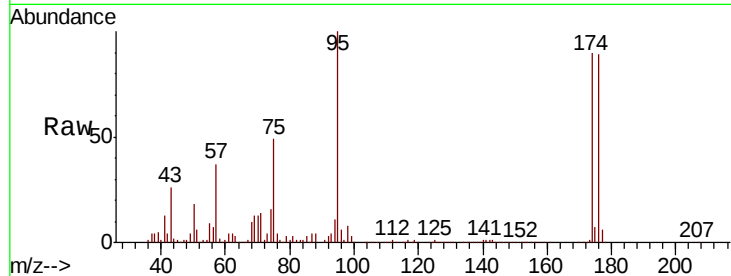
ClientSampled :

B-8(11-11.5)

Tot Ion:	95	Resp:	210392
Ion Ratio	Lower	Upper	
95	100		
174	89.0	0.0	185.0
176	87.0	0.0	180.2

Manual Integrations
APPROVED

sam
10/3/2018 5:56:56 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

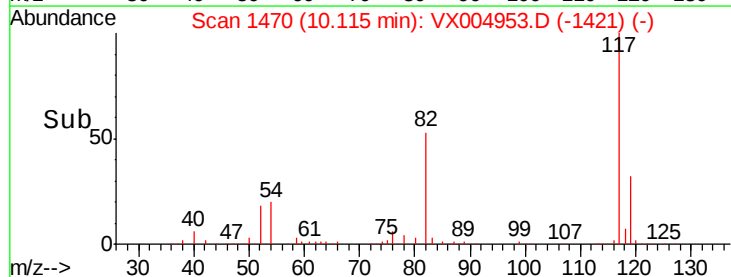
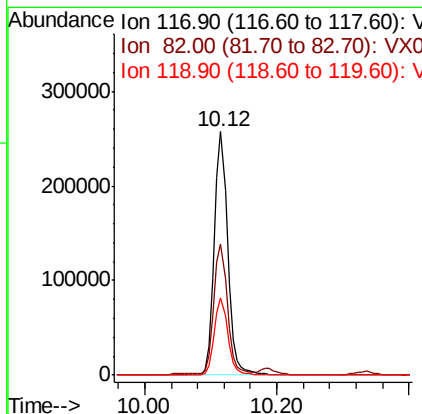
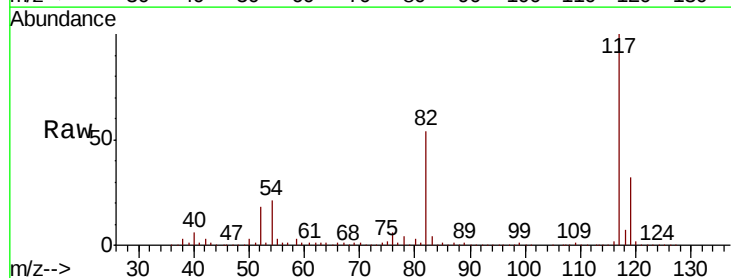
RT: 10.12 min Scan# 1470

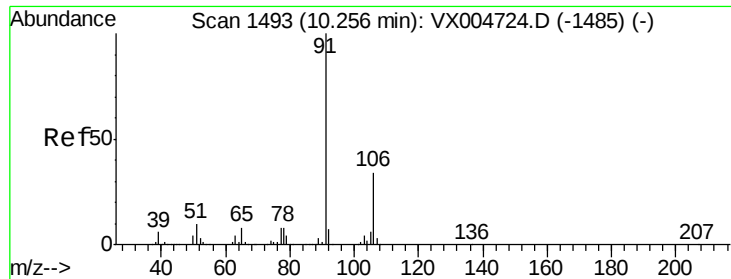
Delta R.T. -0.00 min

Lab File: VX004953.D

Acq: 03 Oct 2018 07:59

Tgt Ion:	117	Resp:	358821
Ion Ratio	Lower	Upper	
117	100		
82	53.6	42.2	63.4
119	31.8	27.4	41.0





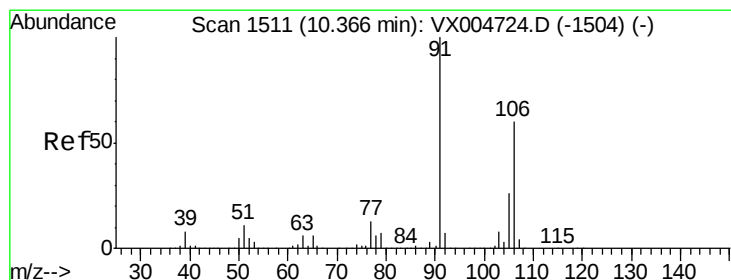
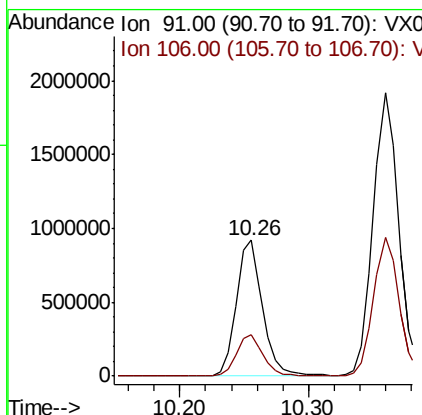
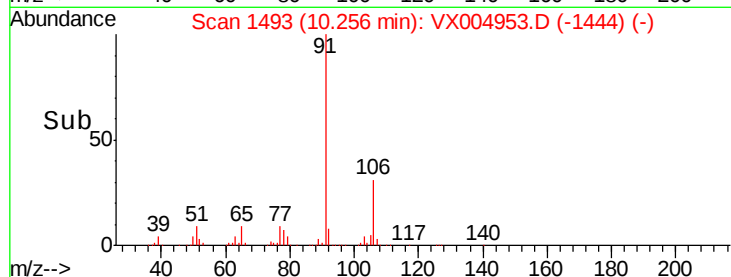
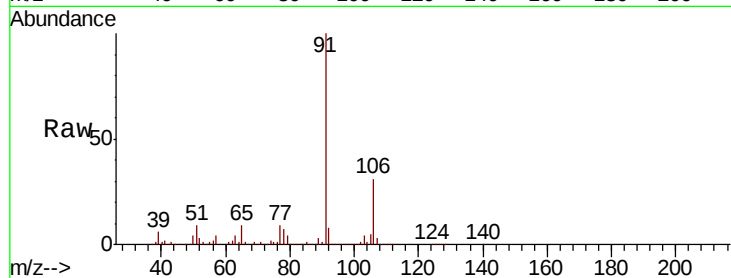
#67
Ethyl Benzene
Concen: 89.230 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Instrument :
MSVOA_X
ClientSampled :
B-8(11-11.5)

Tot Ion: 91 Resp: 1303476
Ion Ratio Lower Upper
91 100
106 30.9 26.9 40.3

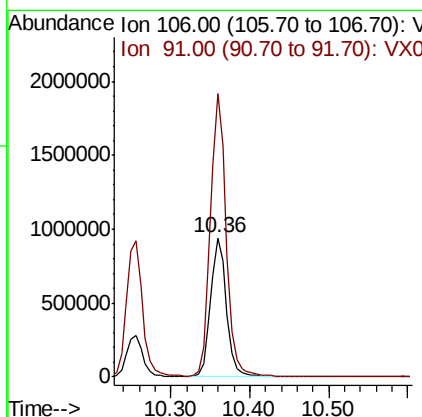
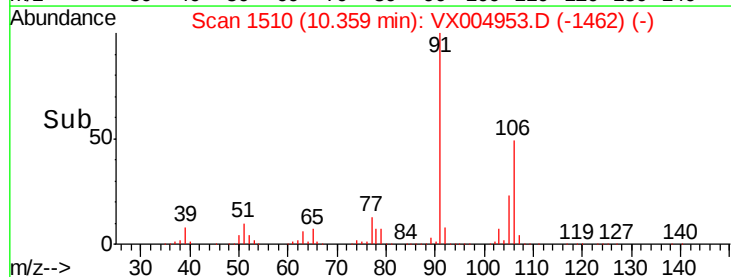
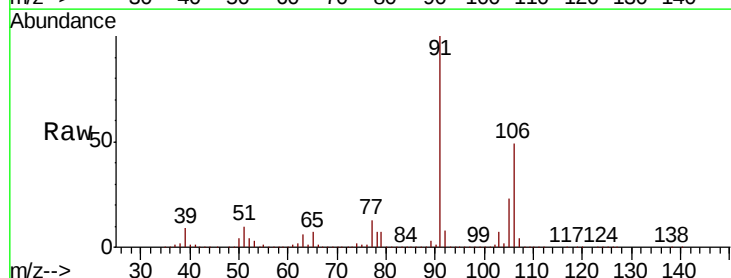
Manual Integrations
APPROVED

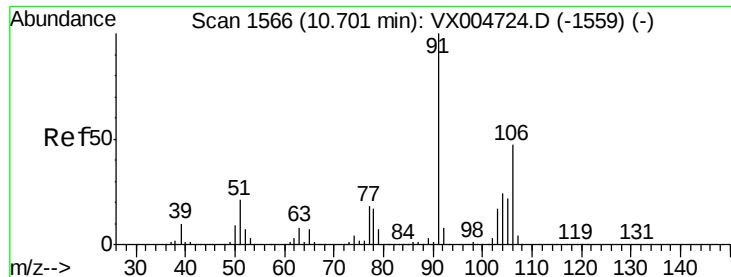
sam
10/3/2018 5:56:56 PM



#68
m/p-Xylenes
Concen: 230.297 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Tgt Ion: 106 Resp: 1314626
Ion Ratio Lower Upper
106 100
91 203.3 157.5 236.3





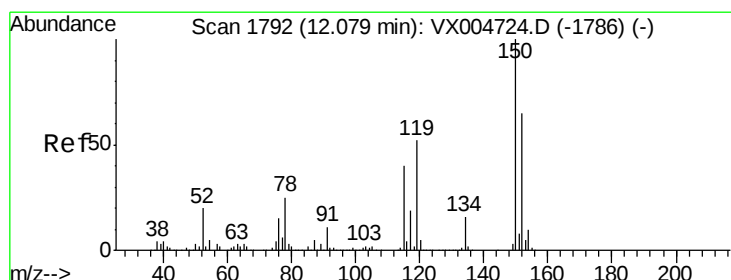
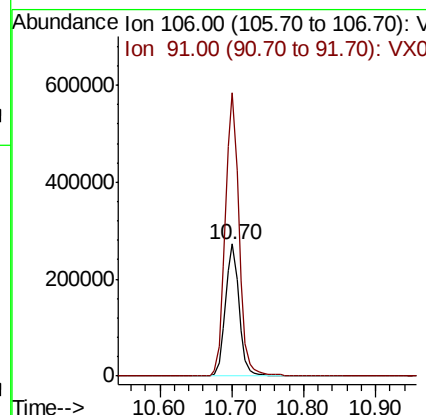
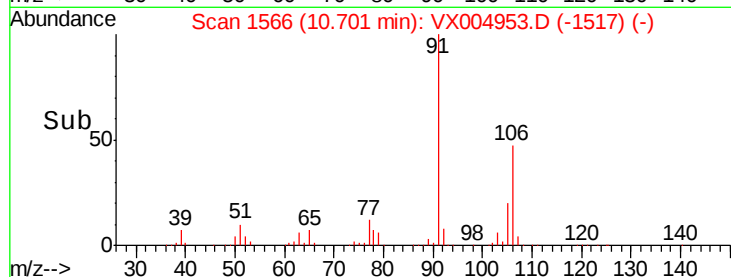
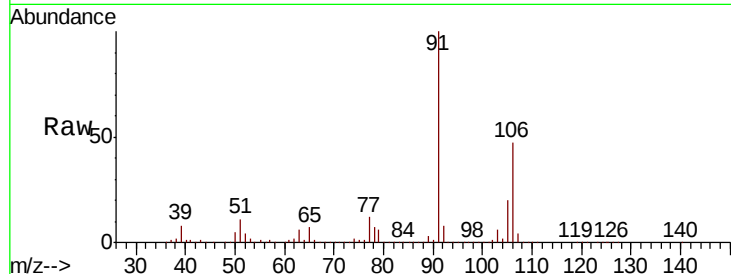
#69
o-Xylene
Concen: 68.318 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Instrument :
MSVOA_X
ClientSampled :
B-8(11-11.5)

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.4	108.3	324.8

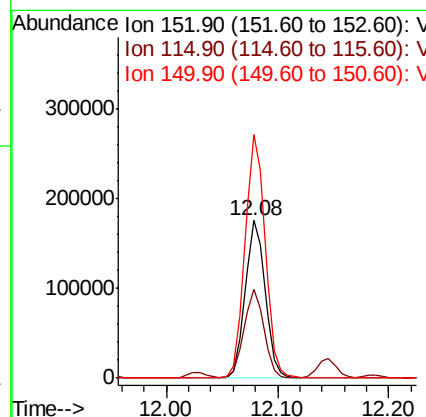
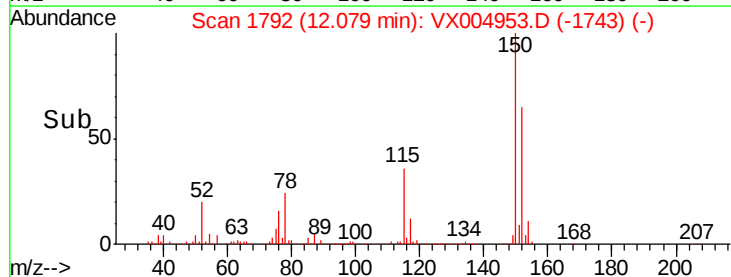
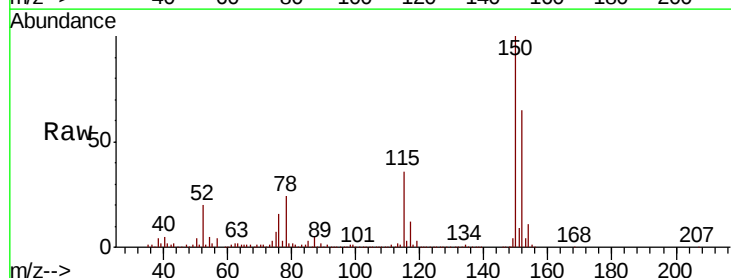
Manual Integrations
APPROVED

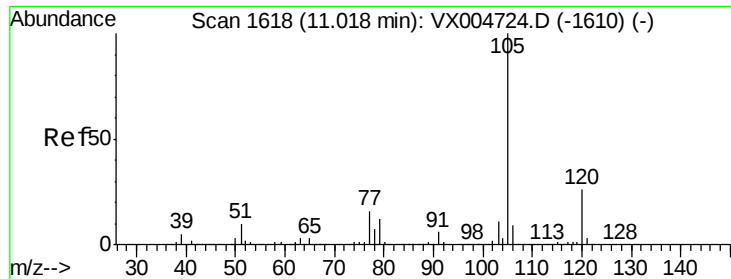
sam
10/3/2018 5:56:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	40.2	120.6
150	155.8	0.0	351.0





#73

Isopropylbenzene

Concen: 12.494 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004953.D

Acq: 03 Oct 2018 07:59

Instrument :

MSVOA_X

ClientSampled :

B-8(11-11.5)

Tot Ion:105 Resp: 171717

Ion Ratio Lower Upper

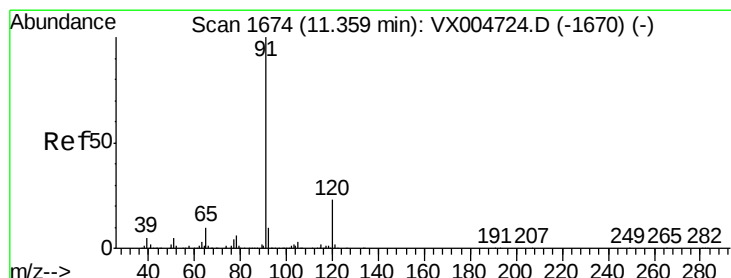
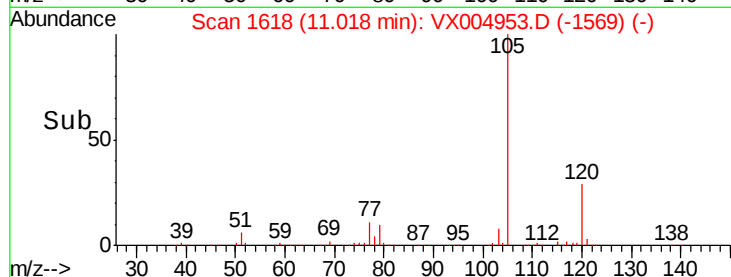
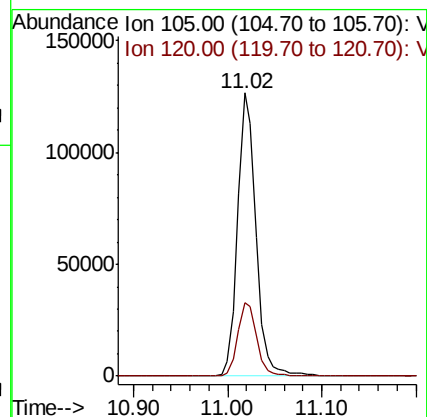
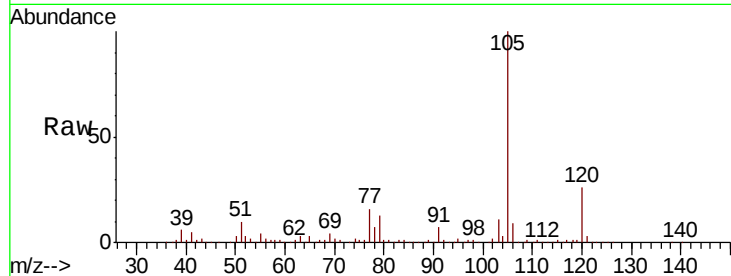
105 100

120 26.9 13.2 39.5

Manual Integrations
APPROVED

sam

10/3/2018 5:56:56 PM



#78

n-propylbenzene

Concen: 49.685 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004953.D

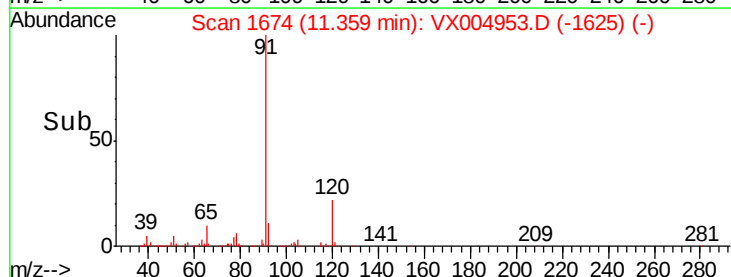
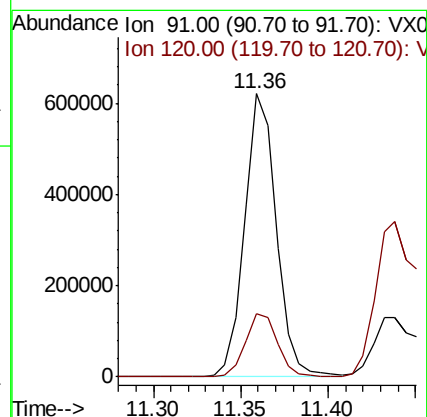
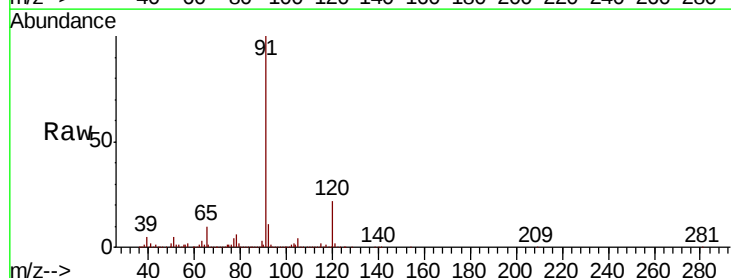
Acq: 03 Oct 2018 07:59

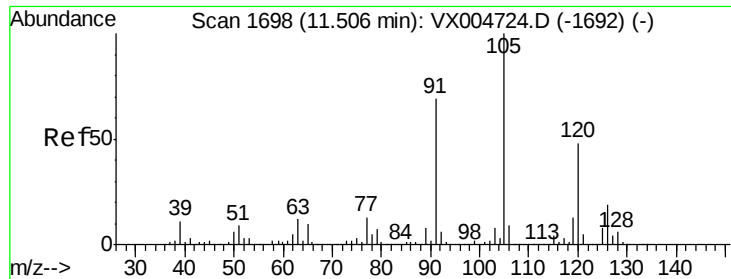
Tgt Ion: 91 Resp: 783476

Ion Ratio Lower Upper

91 100

120 22.8 12.0 36.0





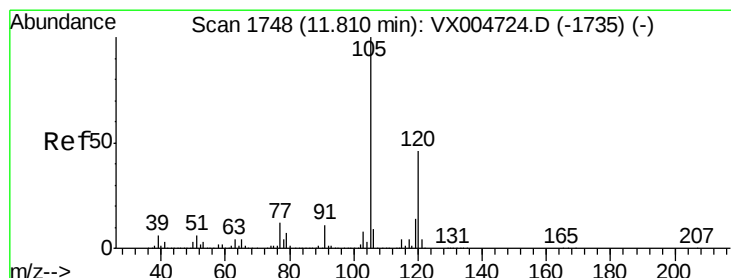
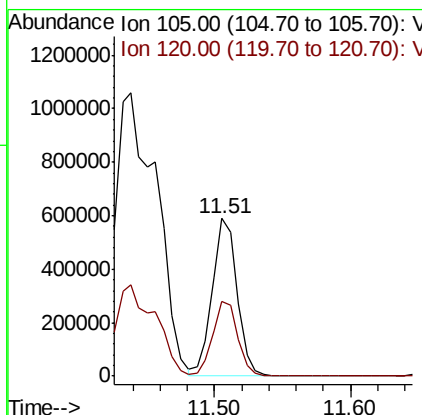
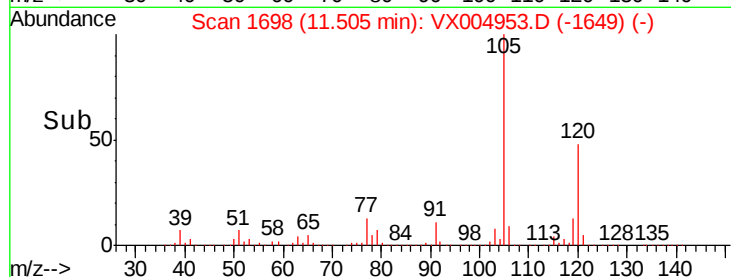
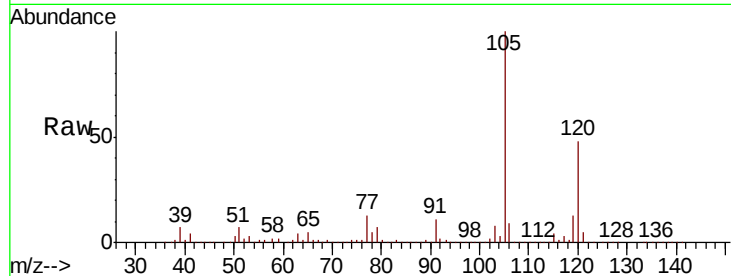
#80
 1,3,5-Trimethylbenzene
 Concen: 59.361 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004953.D
 Acq: 03 Oct 2018 07:59

Instrument :
 MSVOA_X
 ClientSampled :
 B-8(11-11.5)

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.3	72.8

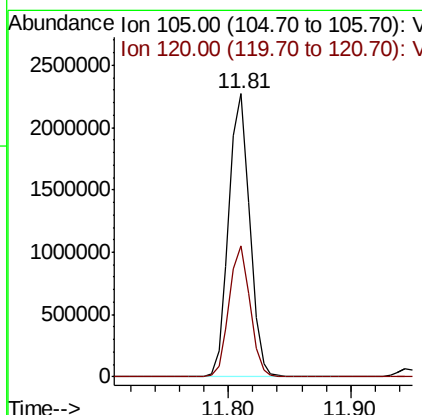
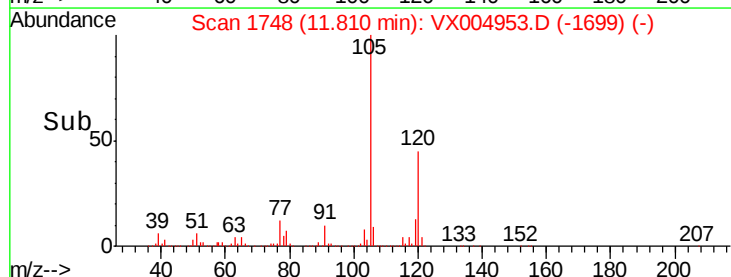
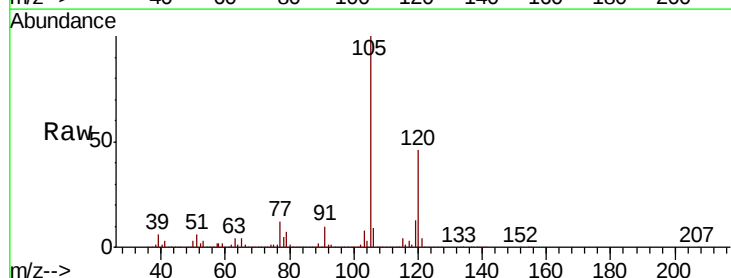
Manual Integrations
 APPROVED

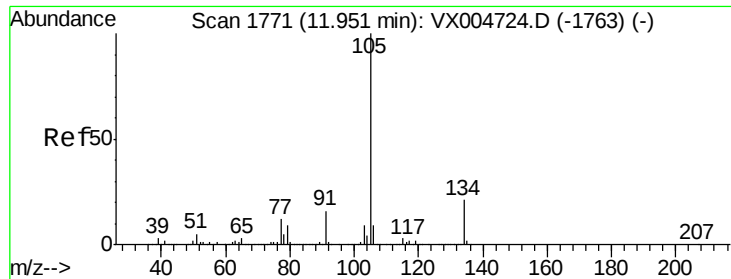
sam
 10/3/2018 5:56:56 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 207.854 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004953.D
 Acq: 03 Oct 2018 07:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 5.831 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004953.D

Acq: 03 Oct 2018 07:59

Instrument :

MSVOA_X

ClientSampleId :

B-8(11-11.5)

Tot Ion:105 Resp: 80370

Ion Ratio Lower Upper

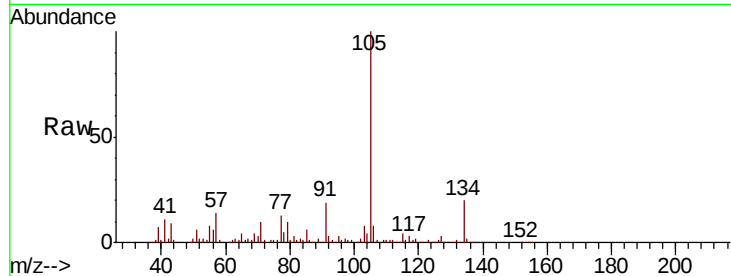
105 100

134 0.0 10.2 30.4#

Manual Integrations
APPROVED

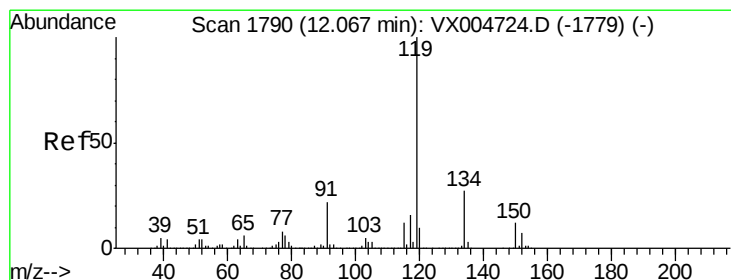
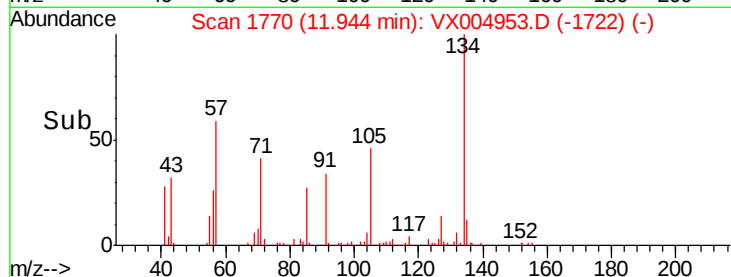
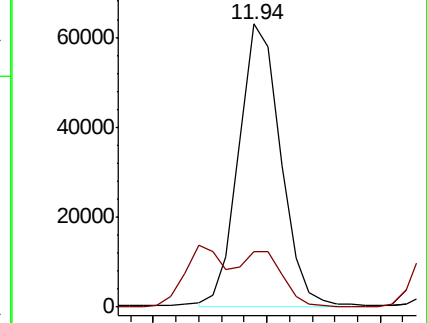
sam

10/3/2018 5:56:56 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.131 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004953.D

Acq: 03 Oct 2018 07:59

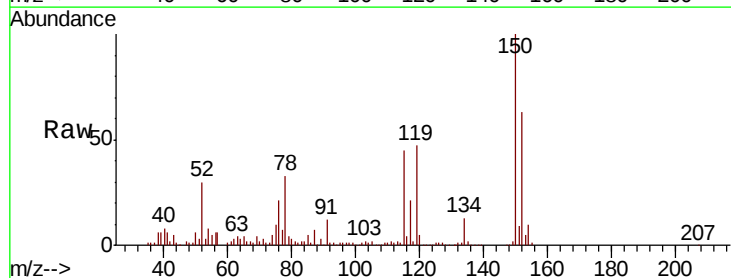
Tgt Ion:119 Resp: 39092

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

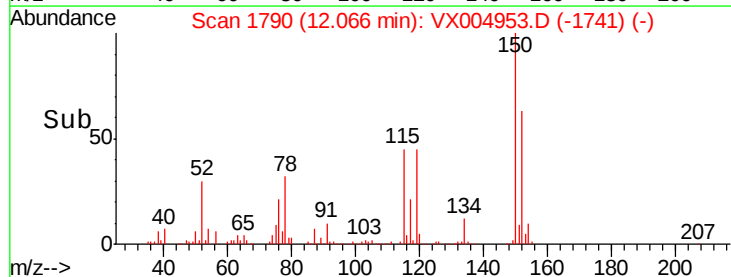
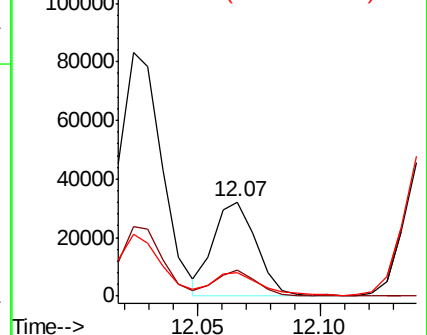
91 26.7 11.5 34.4

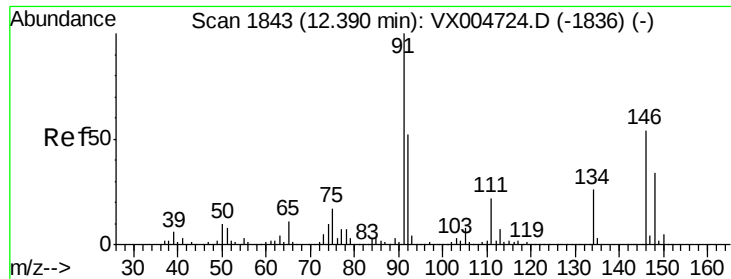


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





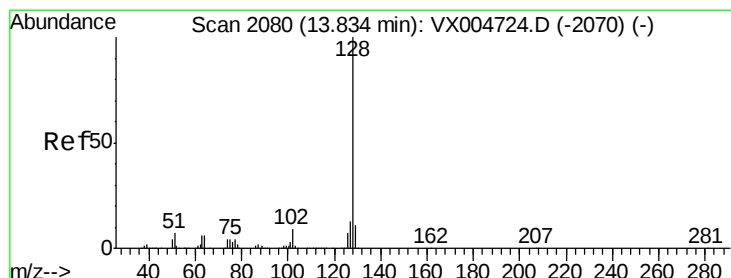
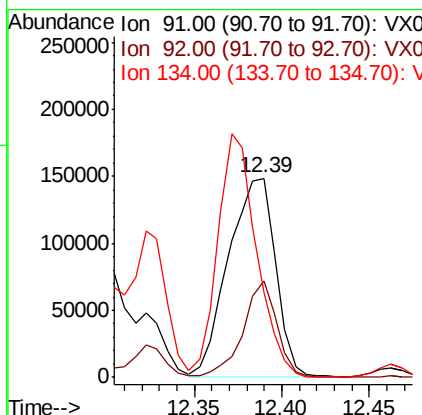
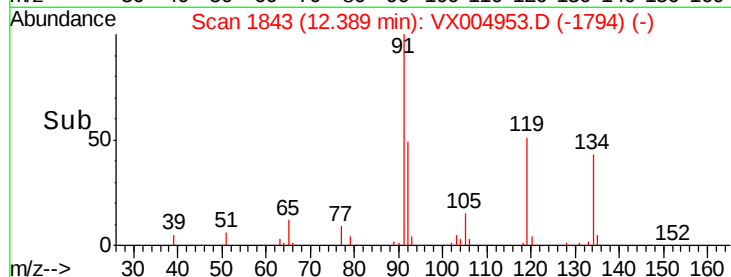
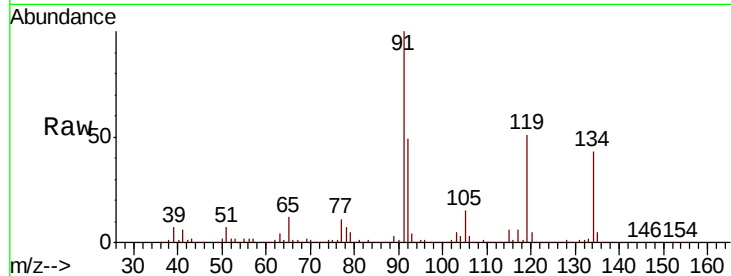
#89
n-Butylbenzene
Concen: 24.356 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Instrument :
MSVOA_X
ClientSampleId :
B-8(11-11.5)

Tot Ion	Ratio	Resp	Lower	Upper
91	100	276213		
92	35.0	26.0	78.0	
134	101.1	13.2	39.6	

Manual Integrations
APPROVED

sam
10/3/2018 5:56:56 PM



#95
Naphthalene
Concen: 30.798 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004953.D
Acq: 03 Oct 2018 07:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	553489		
127	12.9	10.4	15.6	
129	11.1	8.7	13.1	

