

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007614.D
 Acq On : 19 Feb 2019 15:37
 Operator : JC/SP
 Sample : K1528-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:34:42 AM

Quant Time: Feb 20 07:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	496978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	773963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	740649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	380467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	260155	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.50	113	245032	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	935202	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	347473	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

					Qvalue
16) Acetone	2.44	43	5331m	2.206	ug/l
31) Cyclohexane	5.58	56	153403	20.913	ug/l
39) Methylcyclohexane	7.46	83	347964	41.415	ug/l
44) Trichloroethene	7.21	130	2089	0.339	ug/l
64) Tetrachloroethene	9.34	164	14694	2.105	ug/l
67) Ethyl Benzene	10.25	91	28452	1.093	ug/l
68) m/p-Xylenes	10.35	106	36231	3.502	ug/l
73) Isopropylbenzene	11.02	105	110839	4.287	ug/l
78) n-propylbenzene	11.36	91	609047	21.482	ug/l
80) 1,3,5-Trimethylbenzene	11.51	105	658273	31.121	ug/l
84) 1,2,4-Trimethylbenzene	11.80	105	1688633	78.634	ug/l
85) sec-Butylbenzene	11.94	105	67329	2.656	ug/l
86) p-Isopropyltoluene	12.06	119	39865	1.742	ug/l
95) Naphthalene	13.83	128	47259	1.842	ug/l #

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

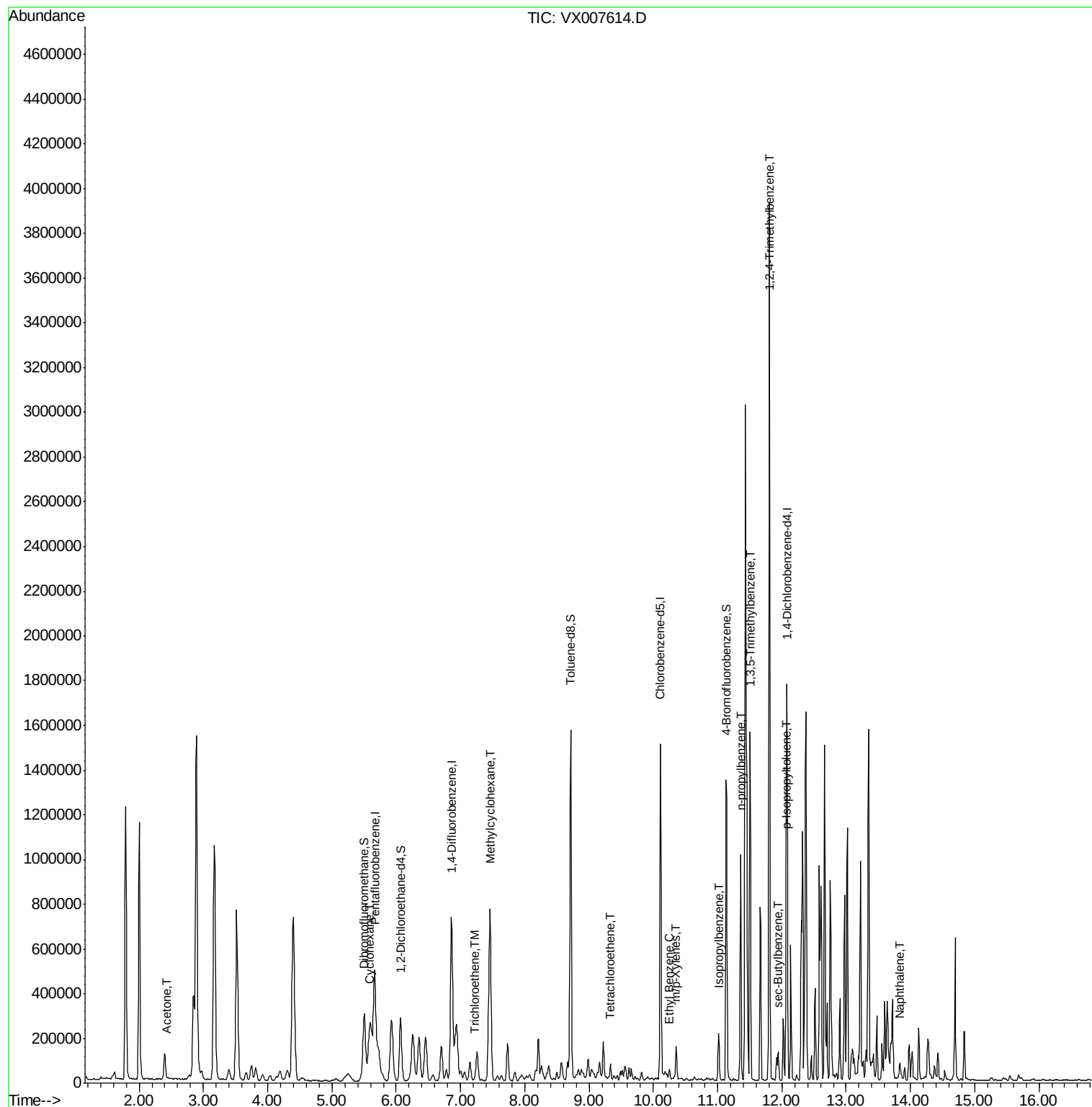
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\
Data File : VX007614.D
Acq On : 19 Feb 2019 15:37
Operator : JC/SP
Sample : K1528-02DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

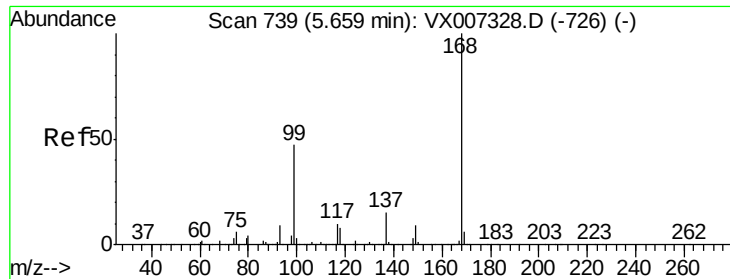
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:42 AM

Quant Time: Feb 20 07:08:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

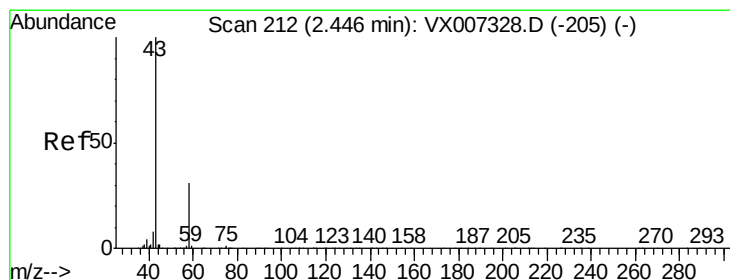
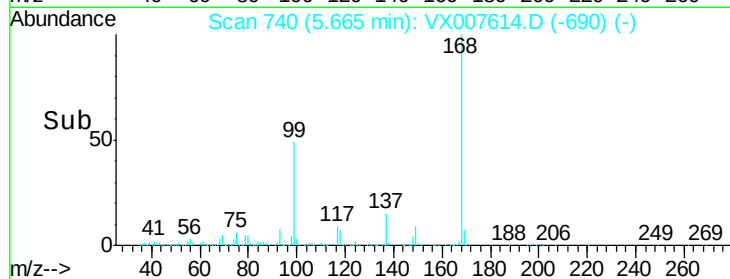
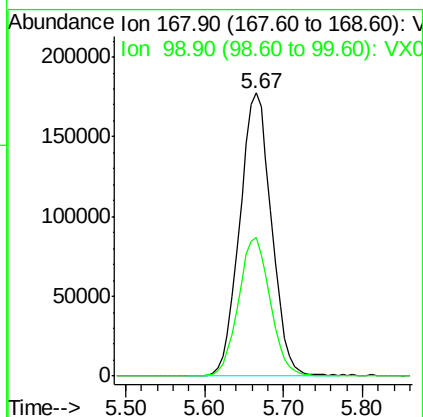
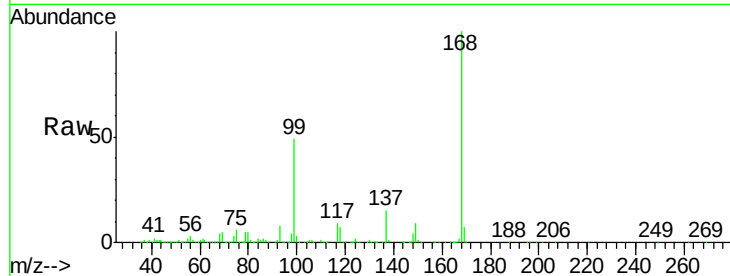
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX007614.D
 Acq: 19 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	496978		
99	49.0	37.9	56.9	

Manual Integrations
 APPROVED

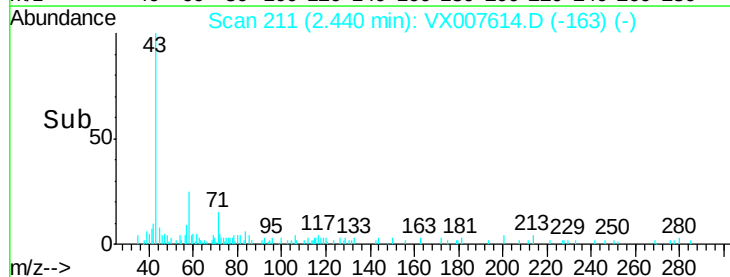
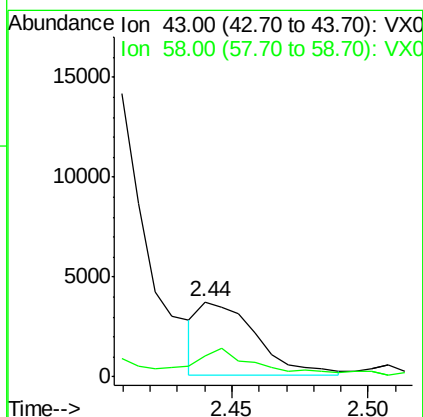
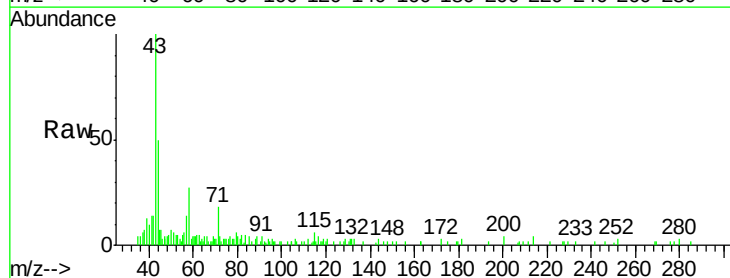
MMDadoda
 2/20/2019 10:34:42 AM

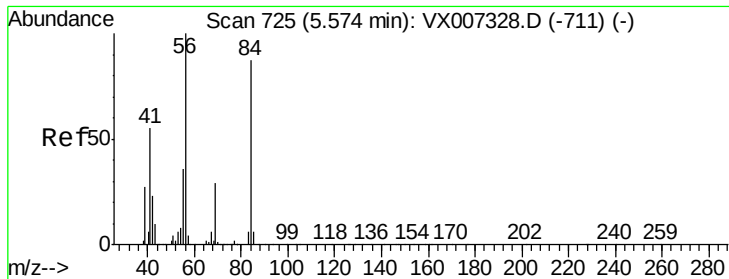


#16

Acetone
 Concen: 2.206 ug/l m
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX007614.D
 Acq: 19 Feb 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5331		
58	27.1	24.9	37.3	





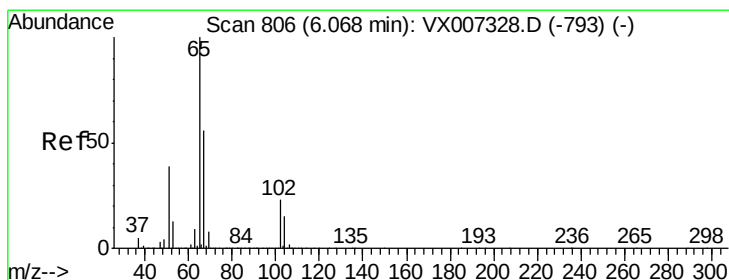
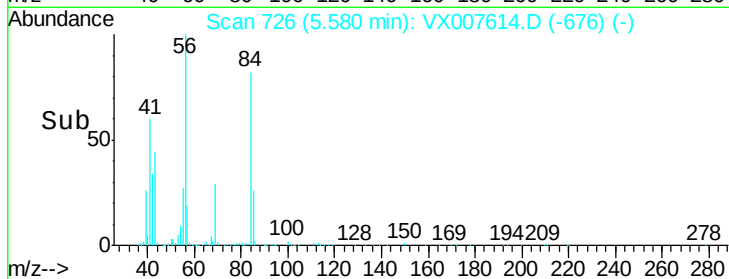
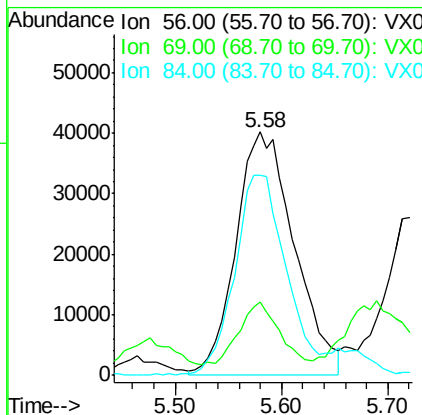
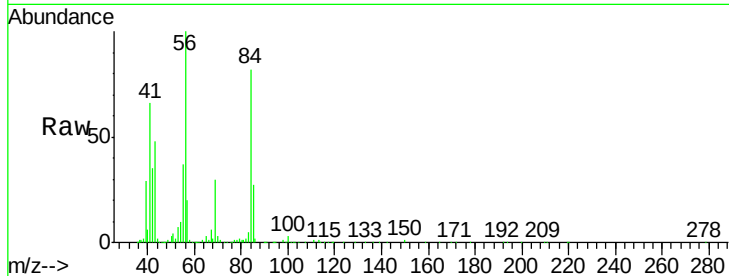
#31
Cyclohexane
Concen: 20.913 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007614.D
Acq: 19 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampled :
MW-2DL

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	24.5	23.0	34.6	
84	82.8	69.8	104.6	

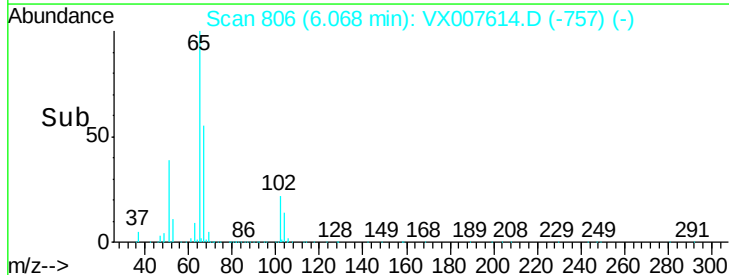
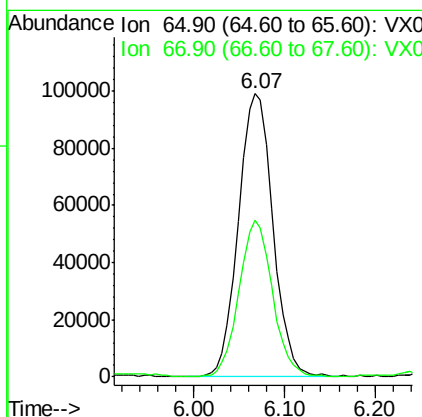
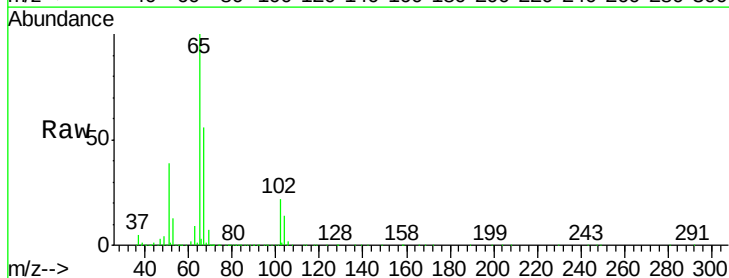
Manual Integrations
APPROVED

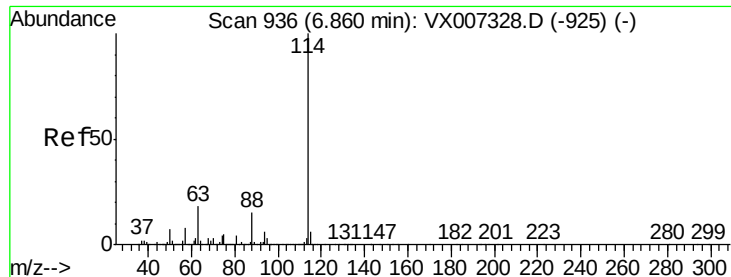
MMDadoda
2/20/2019 10:34:42 AM



#33
1,2-Dichloroethane-d4
Concen: 49.318 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007614.D
Acq: 19 Feb 2019 15:37

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
67	53.7	0.0	108.8	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_X

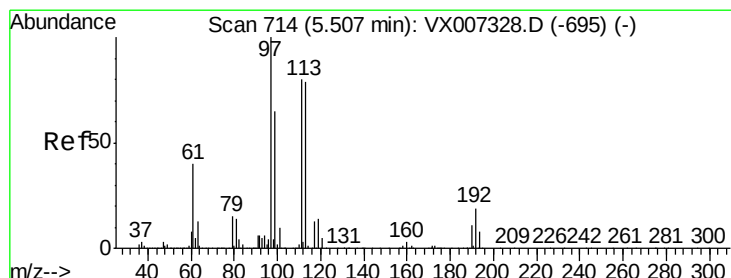
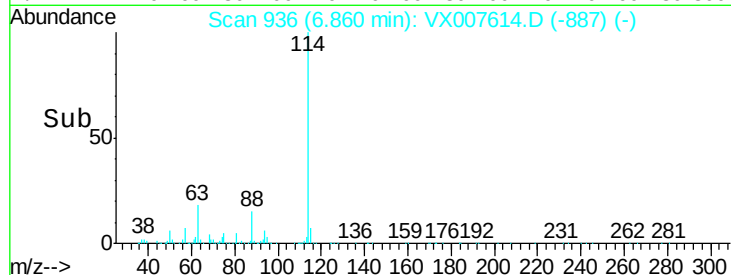
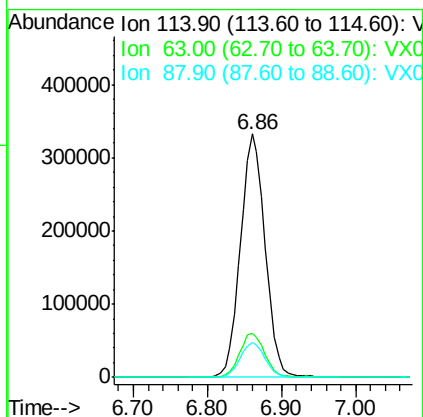
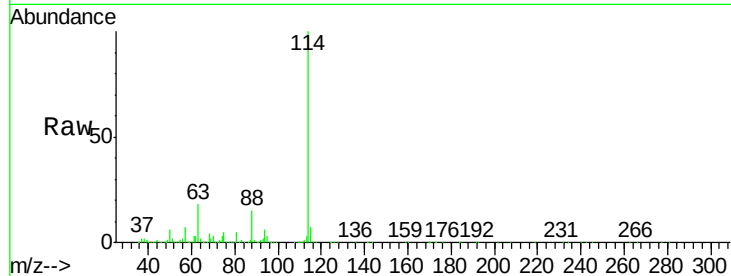
ClientSampleId :

MW-2DL

Tot Ion:	114	Resp:	773963
Ion Ratio	Lower	Upper	
114	100		
63	17.9	0.0	35.6
88	14.5	0.0	29.6

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:42 AM



#35

Dibromofluoromethane

Concen: 48.657 ug/l

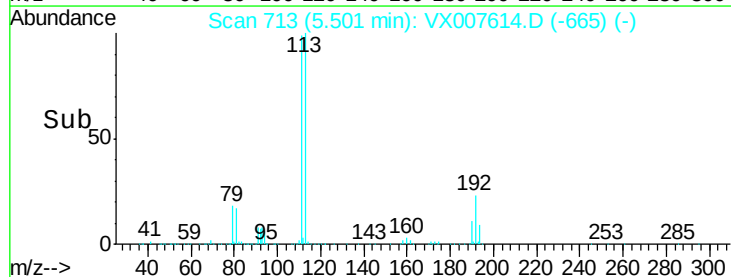
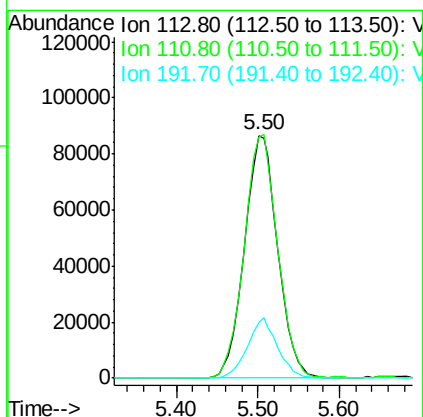
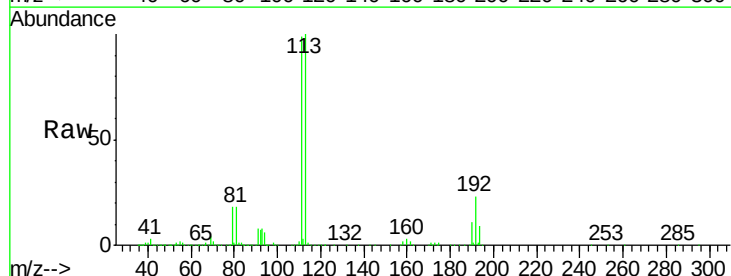
RT: 5.50 min Scan# 713

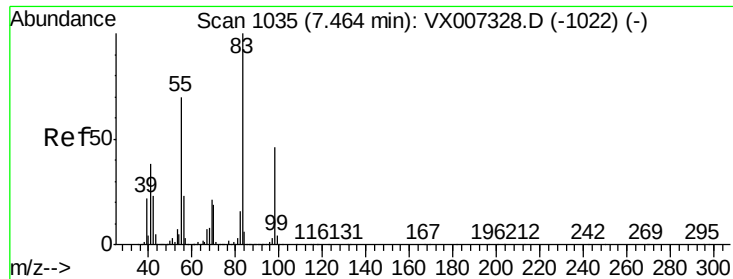
Delta R.T. -0.01 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

Tgt Ion:	113	Resp:	245032
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.8	122.8
192	22.6	18.5	27.7





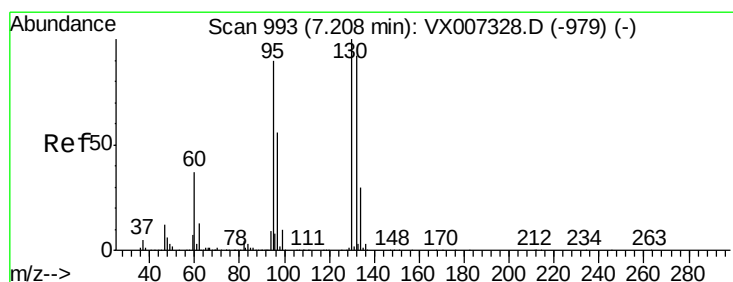
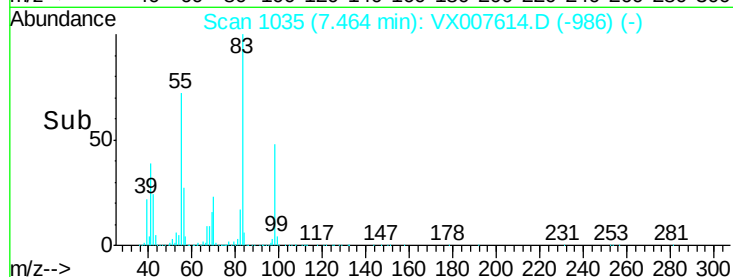
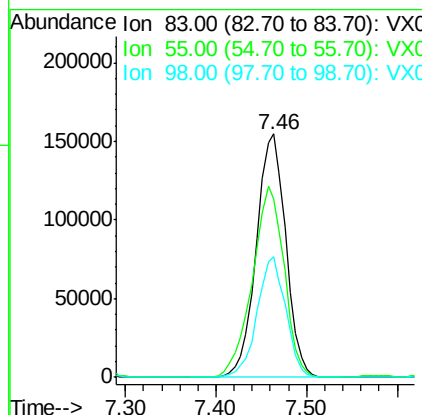
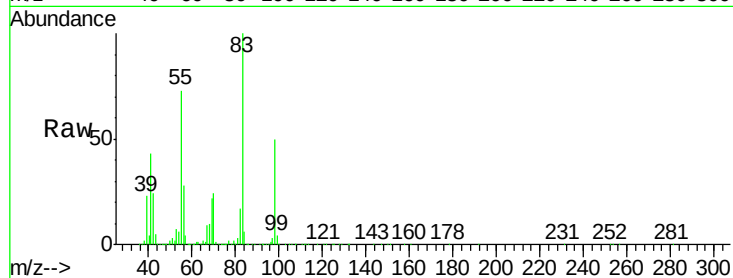
#39
Methylvlcyclohexane
Concen: 41.415 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007614.D
Acq: 19 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	83	Resp	347964
Ion	Ratio	Lower	Upper
83	100		
55	73.3	56.2	84.2
98	49.7	36.8	55.2

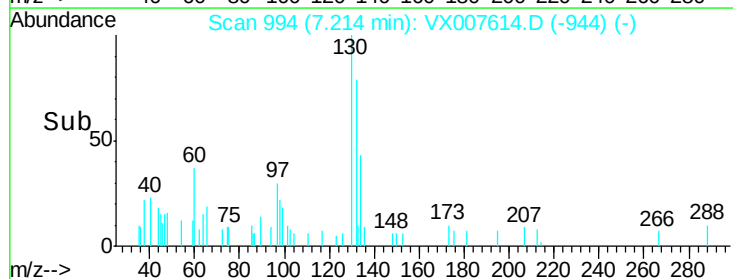
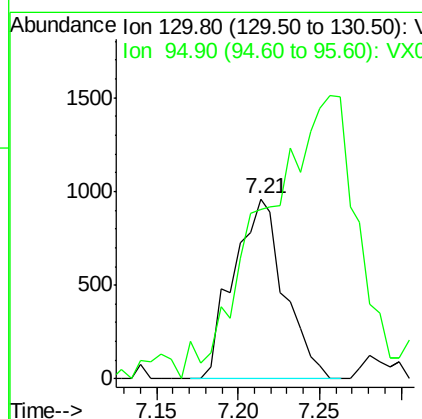
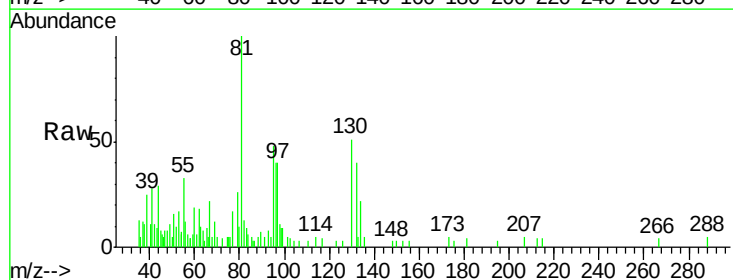
Manual Integrations
APPROVED

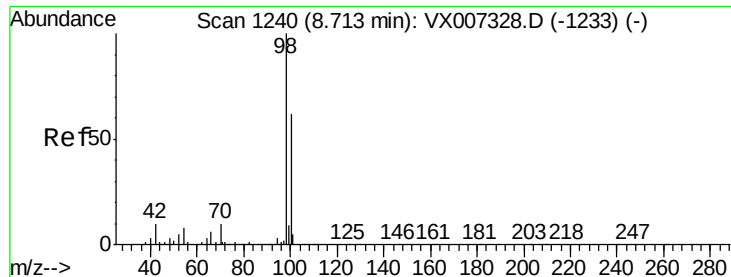
MMDadoda
2/20/2019 10:34:42 AM



#44
Trichloroethene
Concen: 0.339 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX007614.D
Acq: 19 Feb 2019 15:37

Tgt Ion	130	Resp	2089
Ion	Ratio	Lower	Upper
130	100		
95	72.8	0.0	180.0





#50

Toluene-d8

Concen: 50.053 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

Tot Ion: 98 Resp: 935202

Ion Ratio Lower Upper

98 100

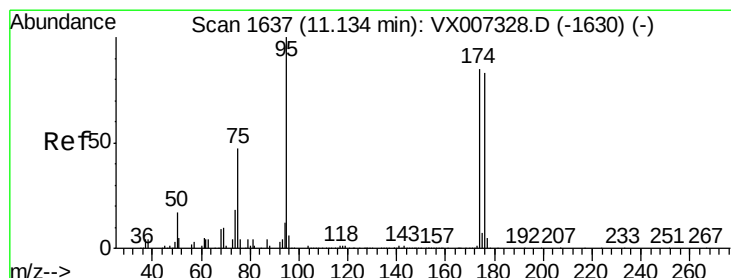
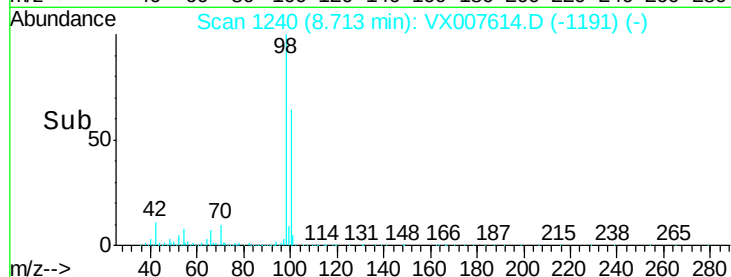
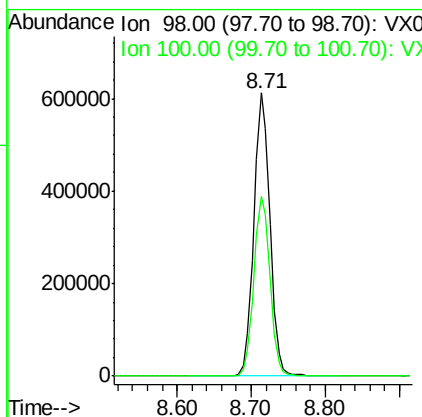
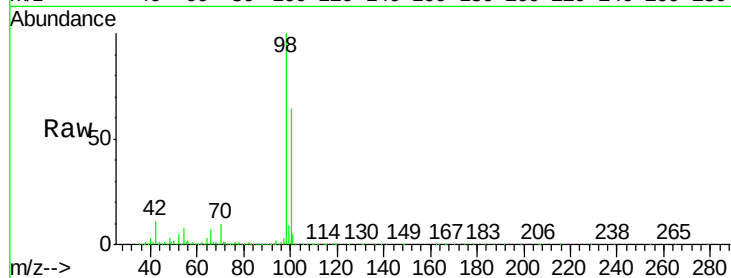
100 63.8 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

2/20/2019 10:34:42 AM



#62

4-Bromofluorobenzene

Concen: 50.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

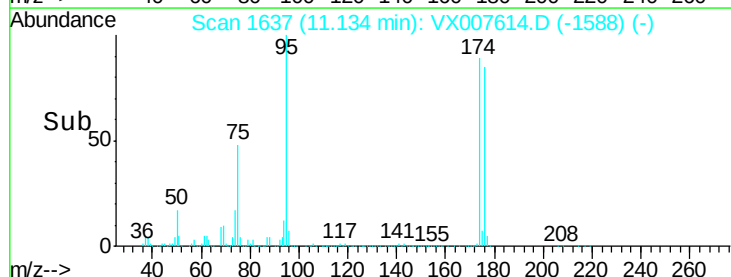
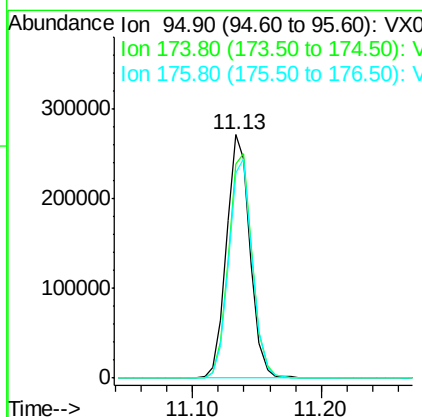
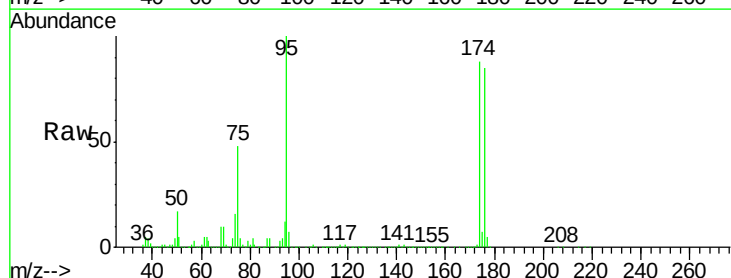
Tgt Ion: 95 Resp: 347473

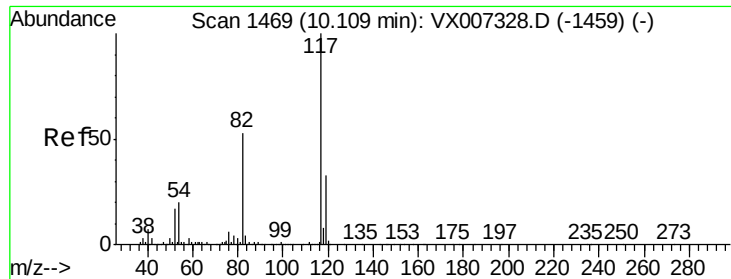
Ion Ratio Lower Upper

95 100

174 93.5 0.0 189.2

176 90.4 0.0 186.2





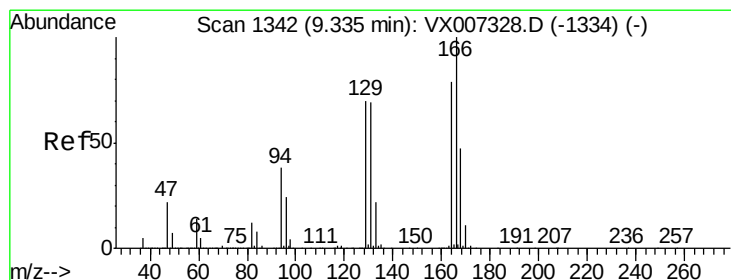
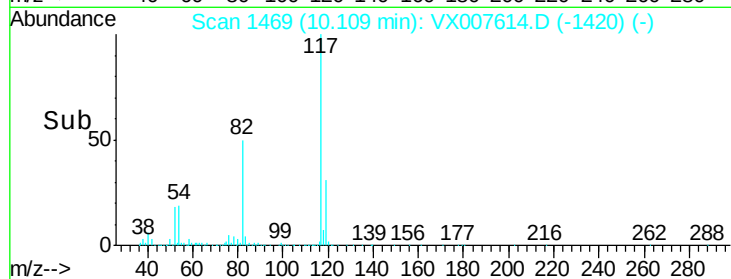
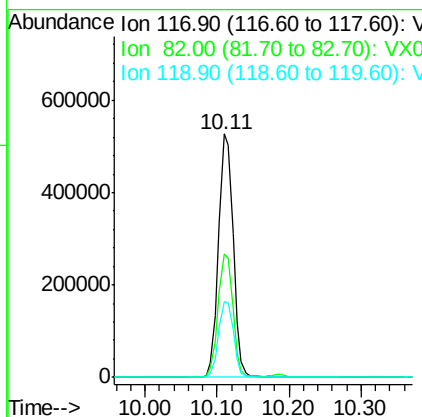
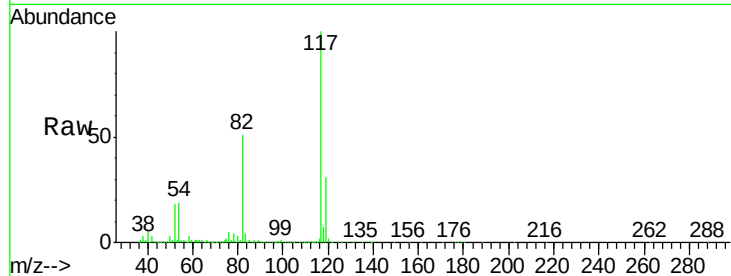
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007614.D
Acq: 19 Feb 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.1	63.1
119	30.9	26.5	39.7

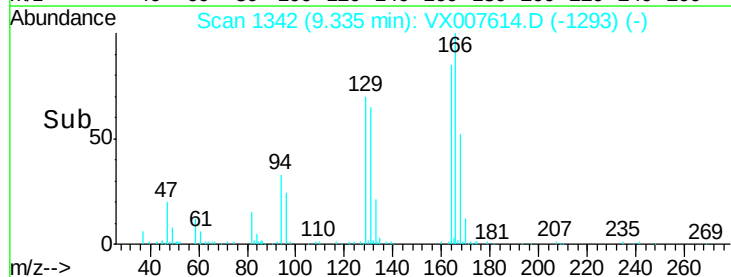
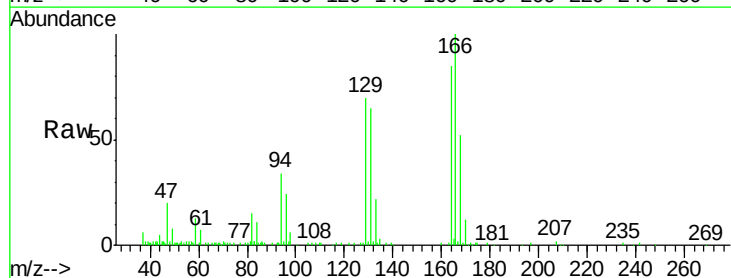
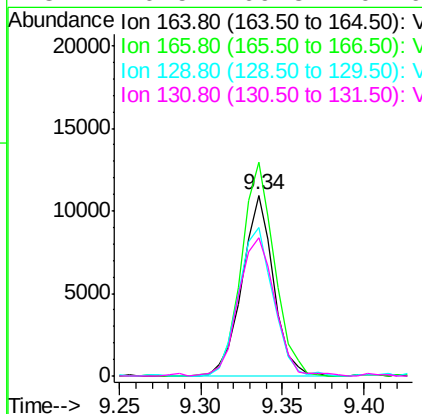
Manual Integrations
APPROVED

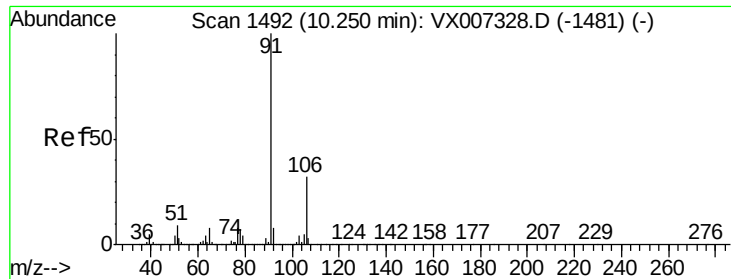
MMDadoda
2/20/2019 10:34:42 AM



#64
Tetrachloroethene
Concen: 2.105 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007614.D
Acq: 19 Feb 2019 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.1	101.0	151.4
129	82.2	70.5	105.7
131	76.5	69.8	104.6





#67

Ethyl Benzene

Concen: 1.093 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampled :

MW-2DL

Tot Ion: 91 Resp: 28452

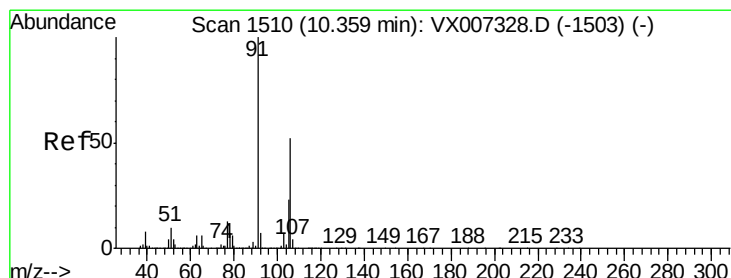
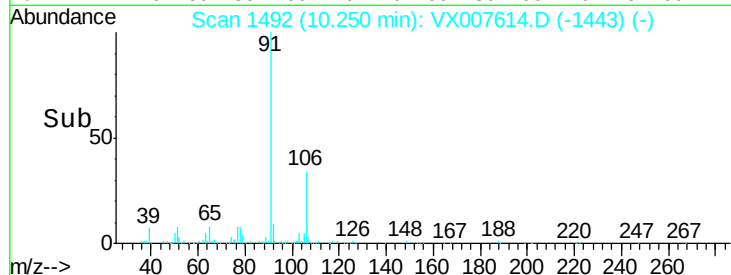
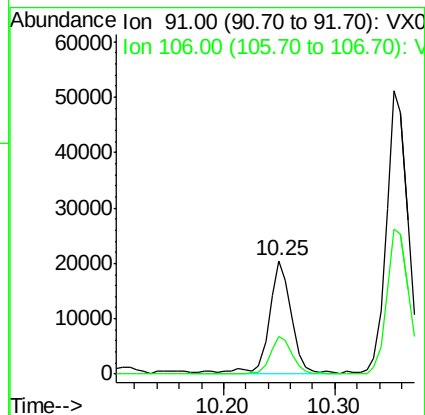
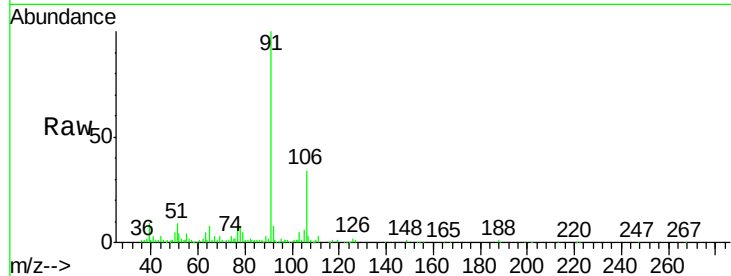
Ion Ratio Lower Upper

91 100

106 32.9 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:42 AM



#68

m/p-Xylenes

Concen: 3.502 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007614.D

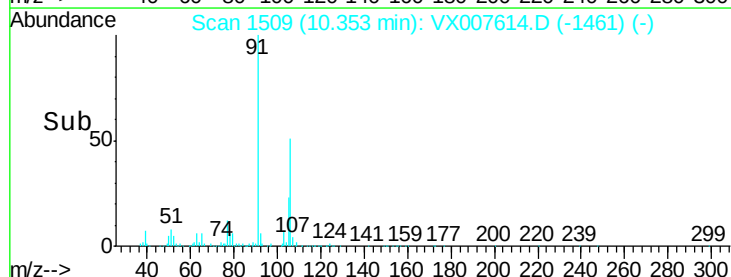
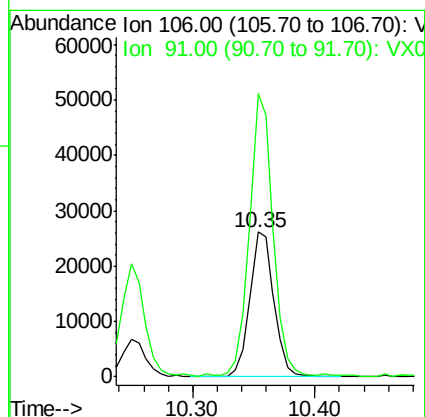
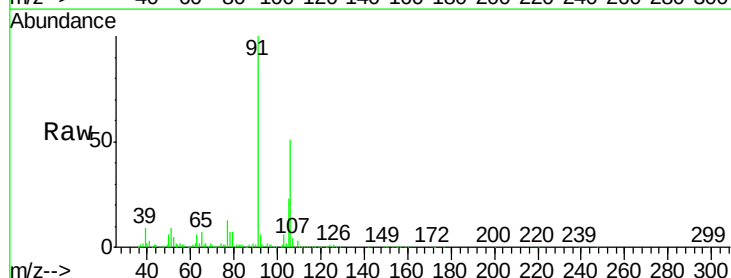
Acq: 19 Feb 2019 15:37

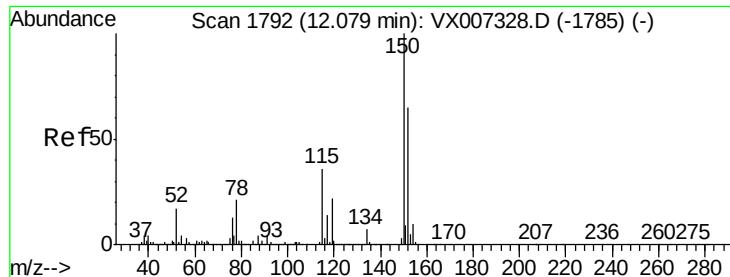
Tgt Ion: 106 Resp: 36231

Ion Ratio Lower Upper

106 100

91 188.5 156.6 234.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_X

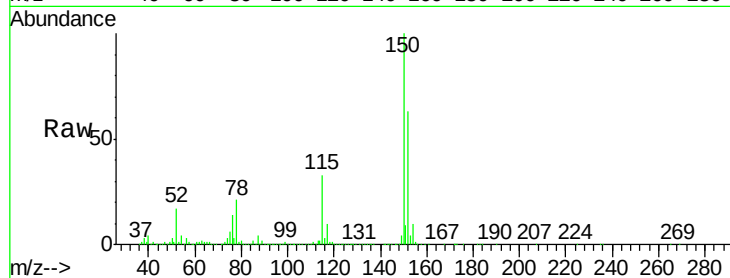
ClientSampleId :

MW-2DL

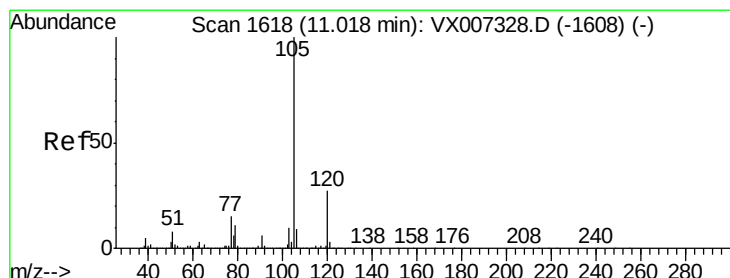
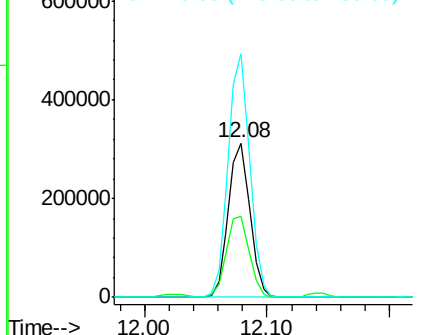
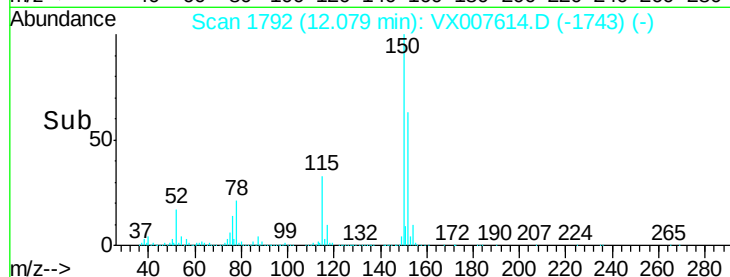
Tot Ion:	152	Resp:	380467
Ion Ratio	Lower	Upper	
152	100		
115	56.0	38.0	114.0
150	157.6	0.0	346.4

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:42 AM



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: 4.287 ug/l

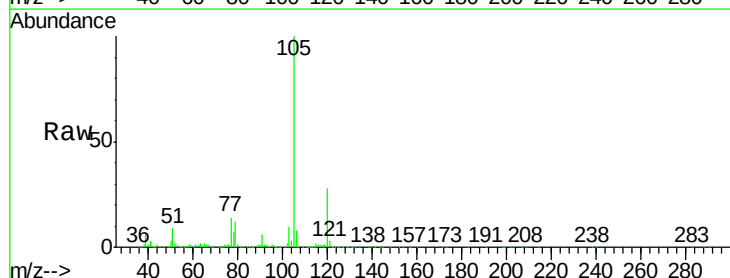
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

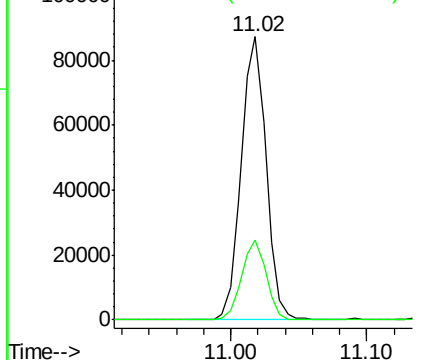
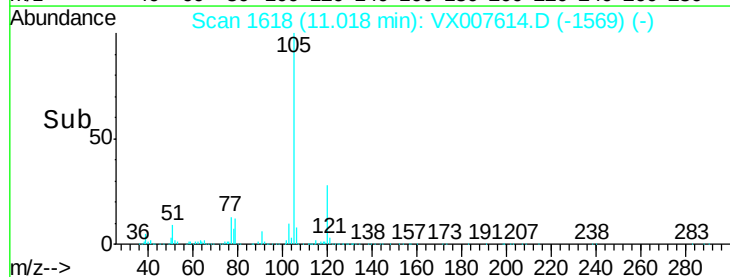
Lab File: VX007614.D

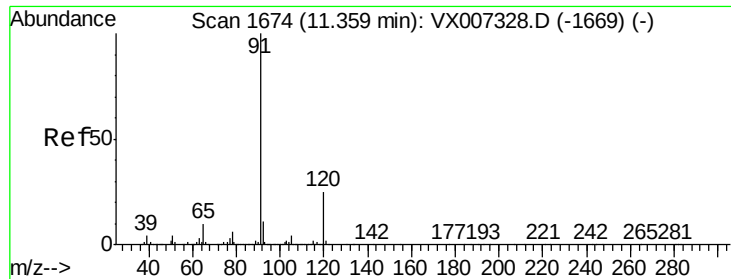
Acq: 19 Feb 2019 15:37

Tgt Ion:	105	Resp:	110839
Ion Ratio	Lower	Upper	
105	100		
120	27.7	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: 21.482 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007614.D

Acq: 19 Feb 2019 15:37

Instrument :

MSVOA_X

ClientSampled :

MW-2DL

Tot Ion: 91 Resp: 609047

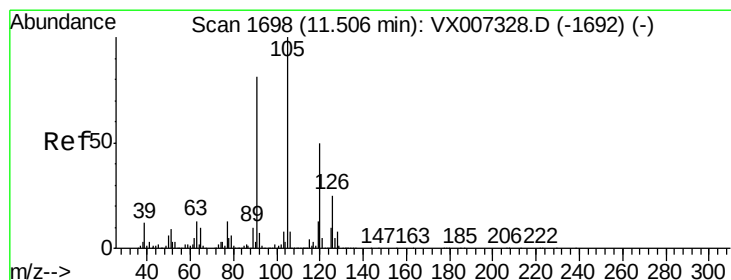
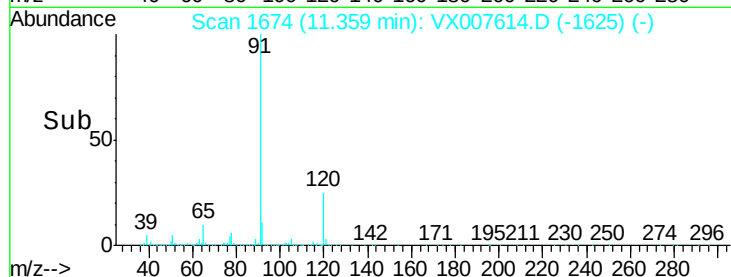
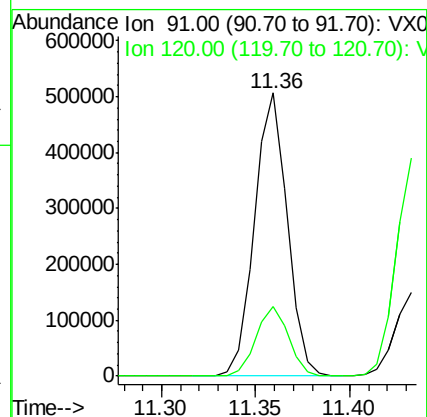
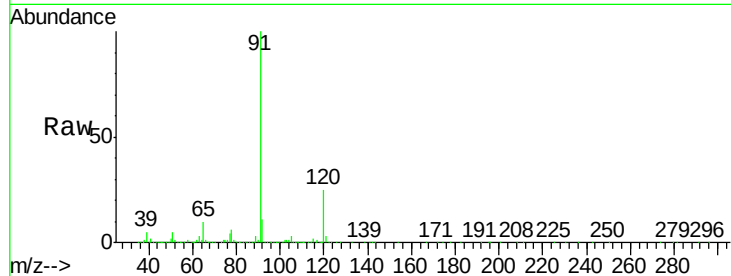
Ion Ratio Lower Upper

91 100

120 24.6 12.4 37.2

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:42 AM



#80

1,3,5-Trimethylbenzene

Concen: 31.121 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007614.D

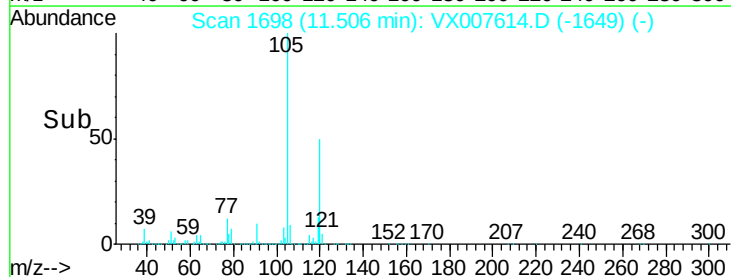
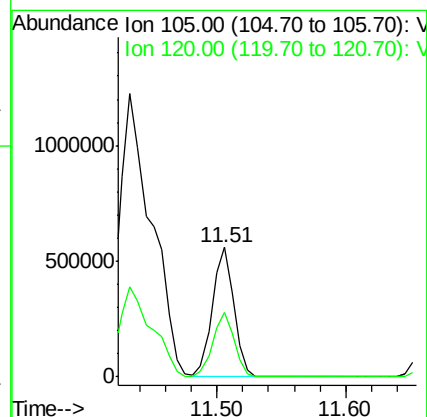
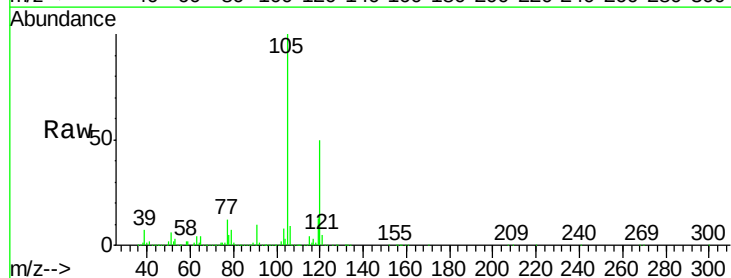
Acq: 19 Feb 2019 15:37

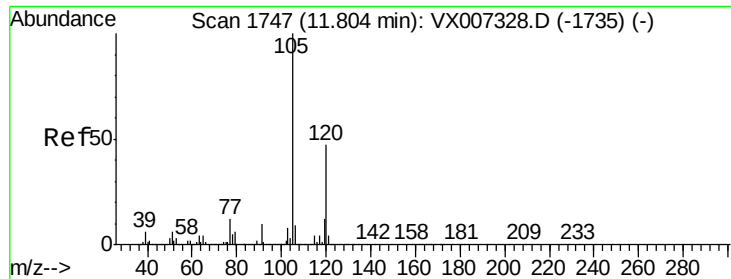
Tgt Ion: 105 Resp: 658273

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8





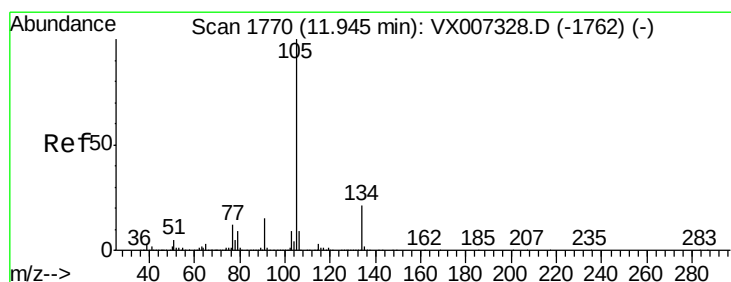
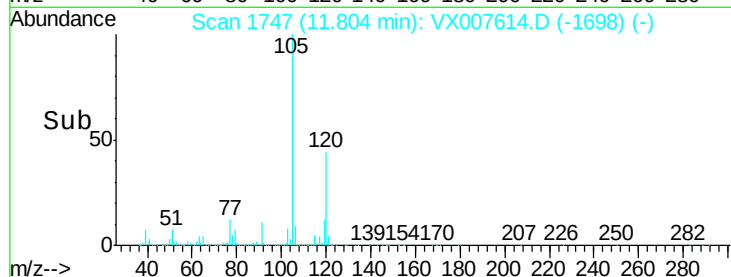
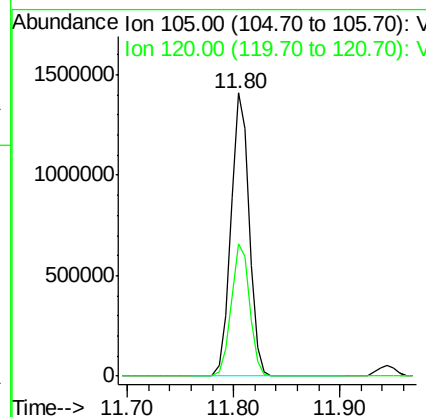
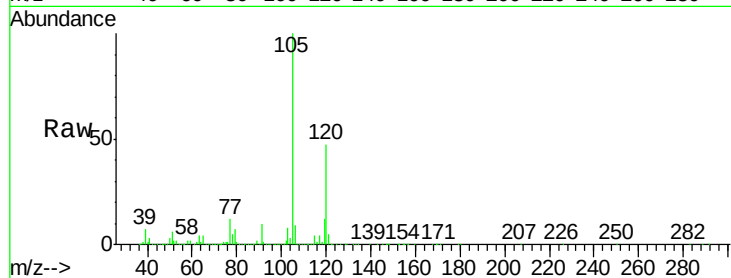
#84
 1,2,4-Trimethylbenzene
 Concen: 78.634 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007614.D
 Acq: 19 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Tot Ion:105 Resp: 1688633
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.1 69.3

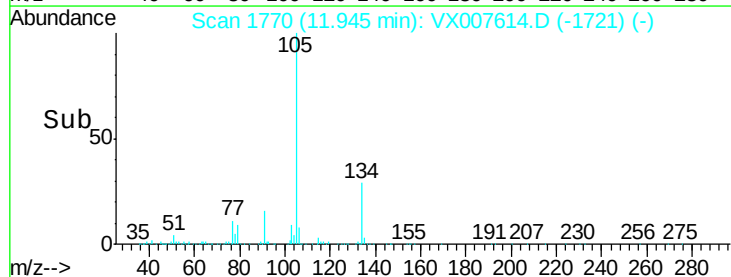
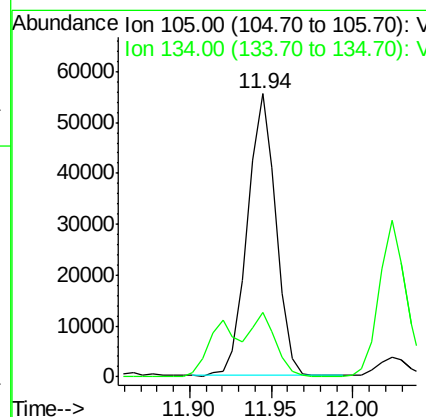
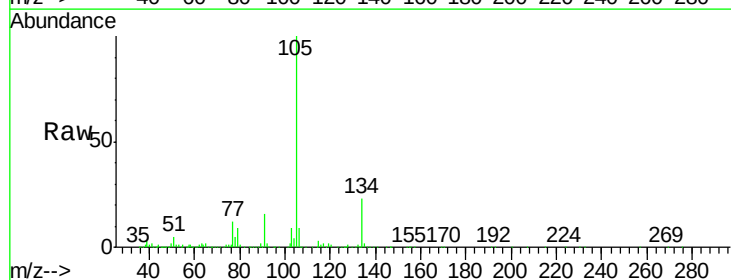
Manual Integrations
 APPROVED

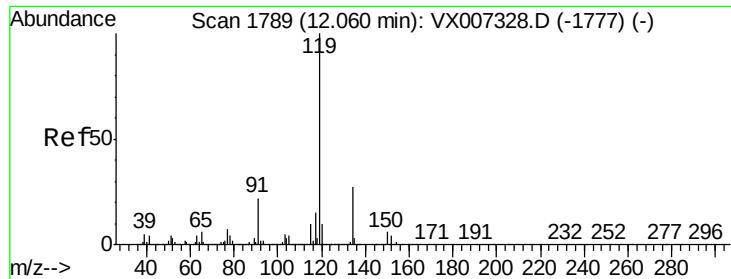
MMDadoda
 2/20/2019 10:34:42 AM



#85
 sec-Butylbenzene
 Concen: 2.656 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007614.D
 Acq: 19 Feb 2019 15:37

Tgt Ion:105 Resp: 67329
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.6 31.8





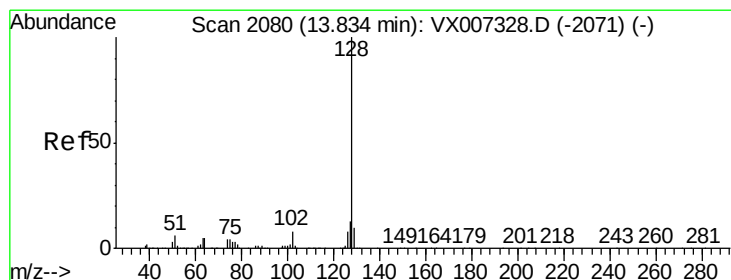
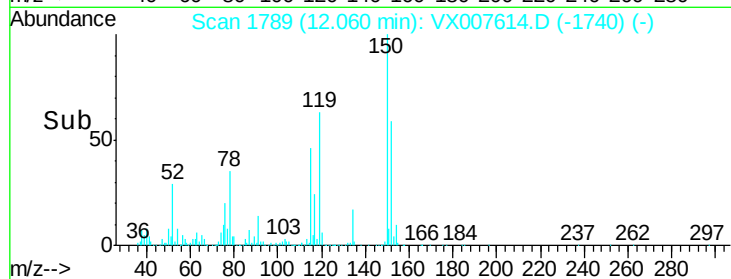
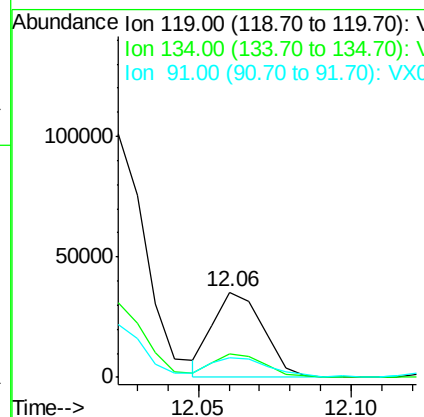
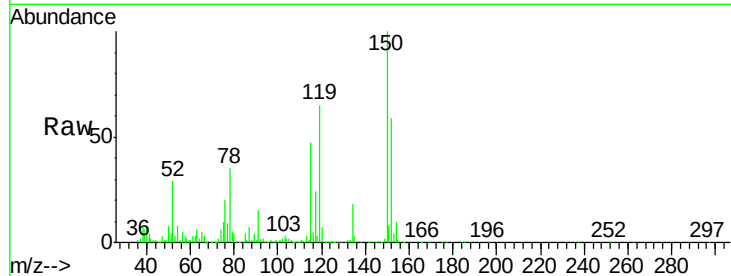
#86
 p-Isopropyltoluene
 Concen: 1.742 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007614.D
 Acq: 19 Feb 2019 15:37

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2DL

Tot Ion:	119	Resp:	39865
Ion Ratio	Lower	Upper	
119	100		
134	28.5	13.7	41.1
91	28.4	11.2	33.5

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:34:42 AM



#95
 Naphthalene
 Concen: 1.842 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007614.D
 Acq: 19 Feb 2019 15:37

Tgt Ion:	128	Resp:	47259
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.5	15.7
129	15.8	8.7	13.1#

