

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004539.D
 Acq On : 14 Sep 2018 14:54
 Operator : JC/MD
 Sample : J4892-08DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218DL

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:25 PM

Quant Time: Sep 15 05:36:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	171523	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	
35) Dibromofluoromethane	5.49	113	155256	45.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.08%	
50) Toluene-d8	8.72	98	526897	46.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.18%	
62) 4-Bromofluorobenzene	11.14	95	195333	47.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	3731	2.25	ug/l	# 83
31) Cyclohexane	5.58	56	2569	0.52	ug/l	86
39) Methylcyclohexane	7.46	83	3554	0.75	ug/l	90
52) Toluene	8.79	92	69929	8.85	ug/l	98
67) Ethyl Benzene	10.26	91	519404	37.34	ug/l	99
68) m/p-Xylenes	10.36	106	413701	77.21	ug/l	97
69) o-Xylene	10.70	106	199380	38.71	ug/l	98
73) Isopropylbenzene	11.02	105	45130	3.37	ug/l	99
78) n-propylbenzene	11.36	91	62501	4.06	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	184219	16.36	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	564241	49.07	ug/l	100
85) sec-Butylbenzene	11.94	105	9311m	0.68	ug/l	
86) p-Isopropyltoluene	12.07	119	7199	0.60	ug/l	92
89) n-Butylbenzene	12.38	91	16729	1.52	ug/l	# 5
95) Naphthalene	13.83	128	270422	19.47	ug/l	99

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

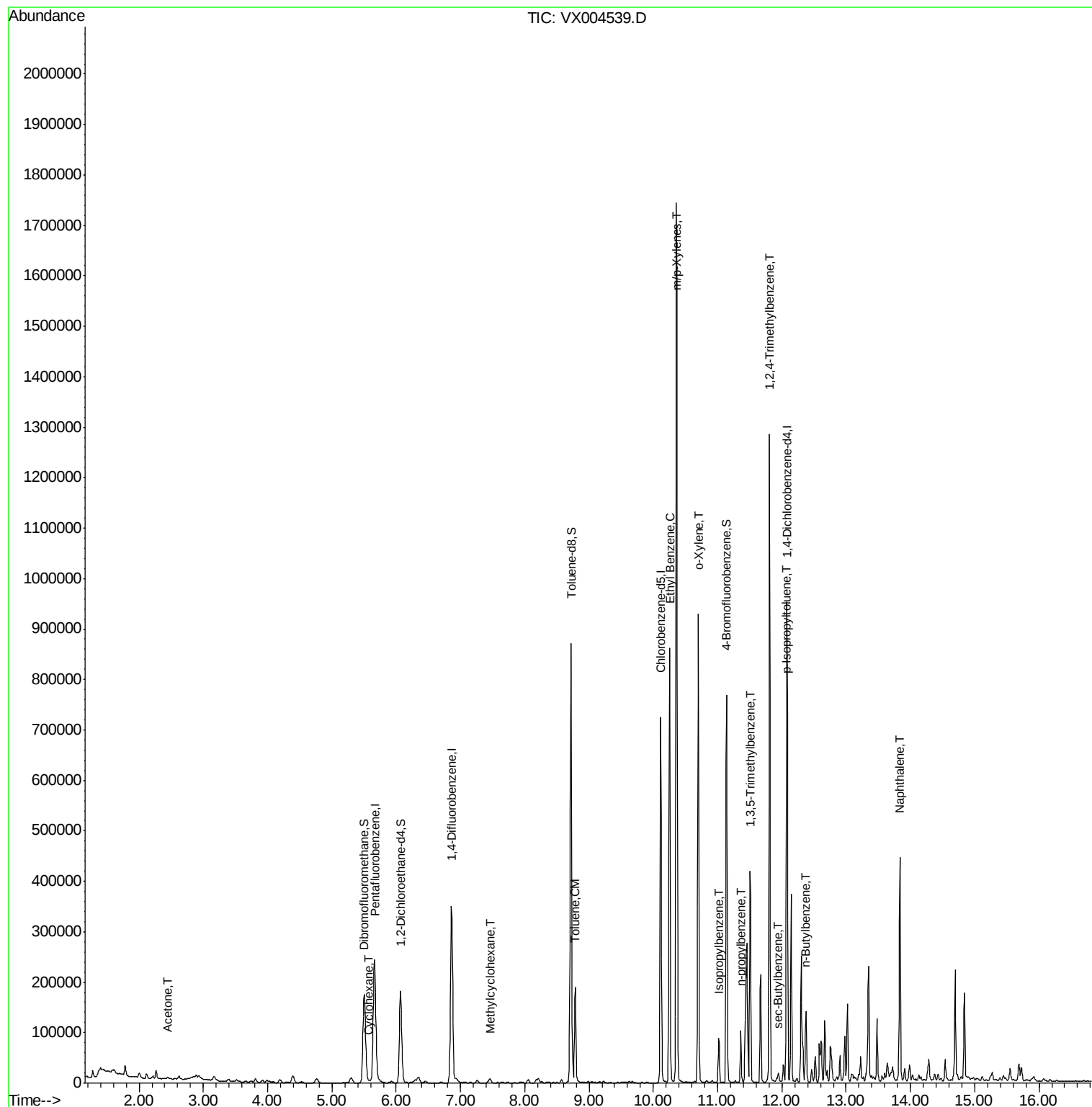
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004539.D
Acq On : 14 Sep 2018 14:54
Operator : JC/MD
Sample : J4892-08DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

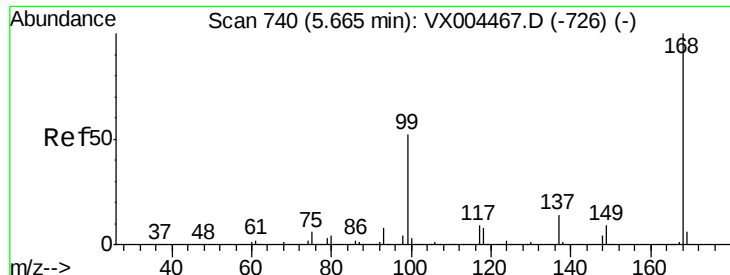
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:25 PM

Quant Time: Sep 15 05:36:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

PR-MW-01-091218DL

Tot Ion:168 Resp: 263286

Ion Ratio Lower Upper

168 100

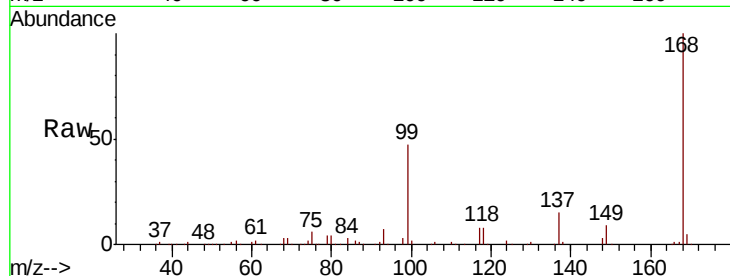
99 46.6 39.9 59.9

Manual Integrations

APPROVED

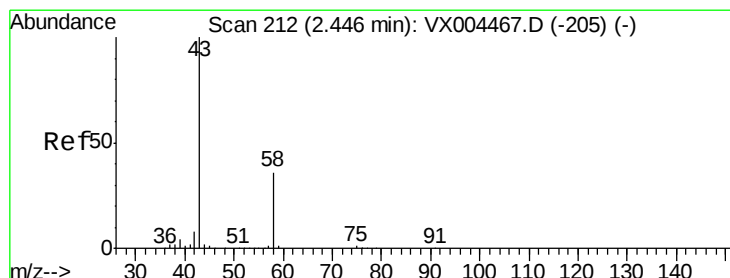
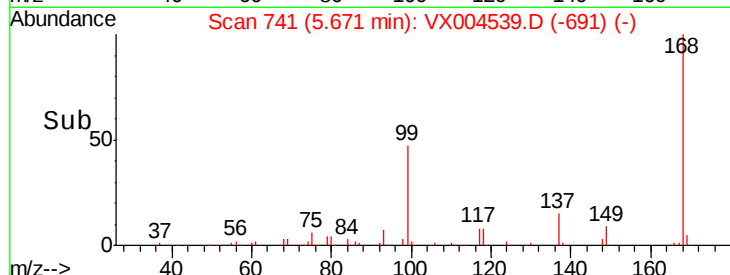
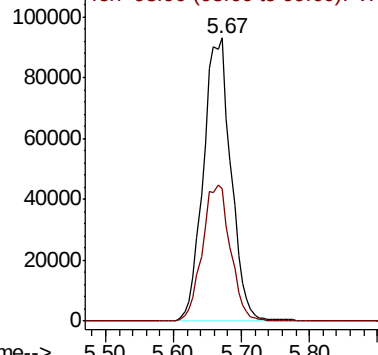
MMDadoda

9/17/2018 5:09:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 2.25 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004539.D

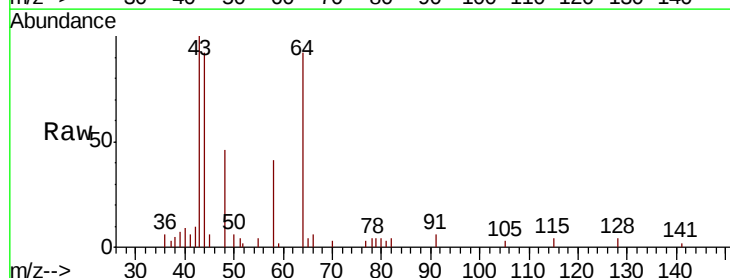
Acq: 14 Sep 2018 14:54

Tgt Ion: 43 Resp: 3731

Ion Ratio Lower Upper

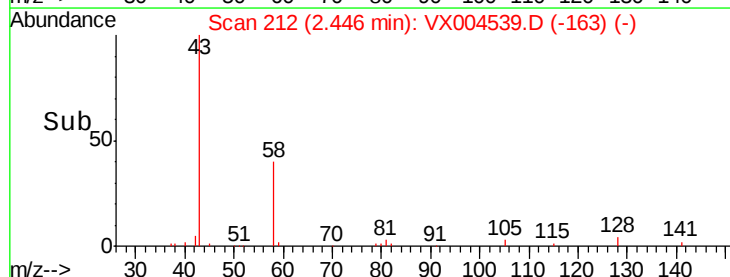
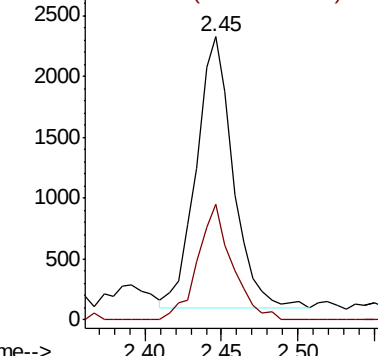
43 100

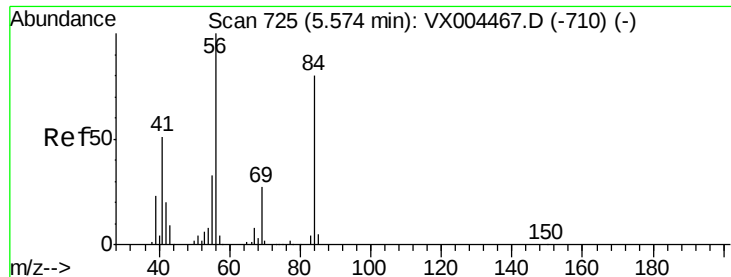
58 42.5 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





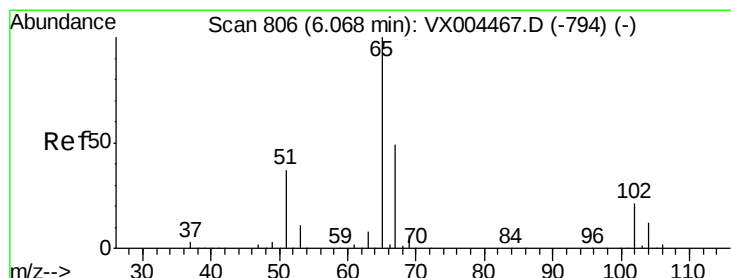
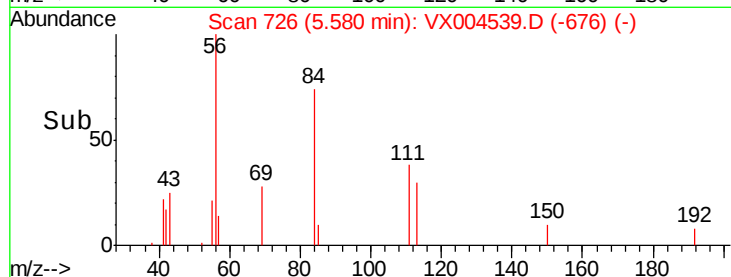
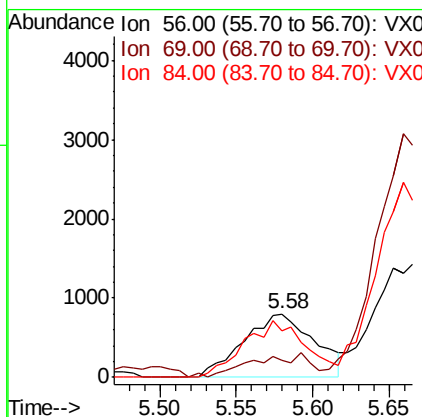
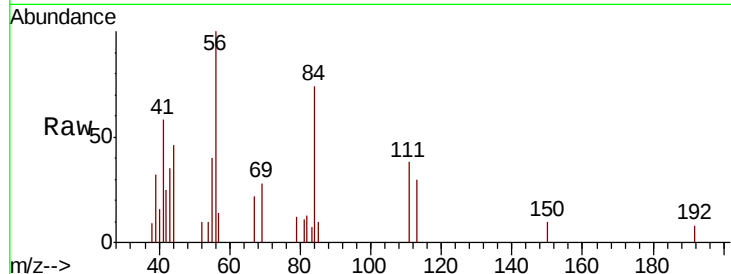
#31
Cyclohexane
Concen: 0.52 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	25.4	38.2
84	73.8	71.4	107.2

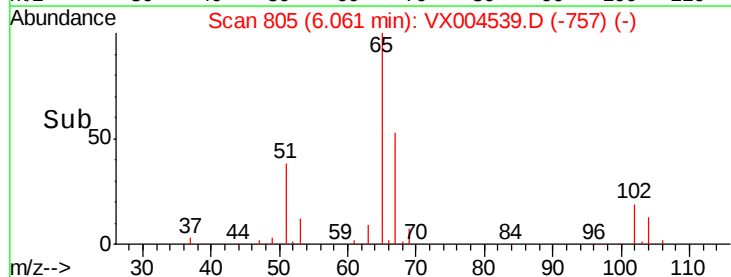
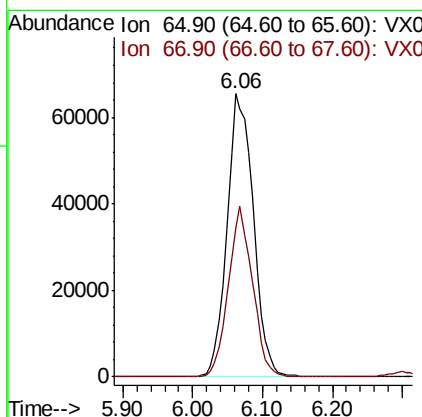
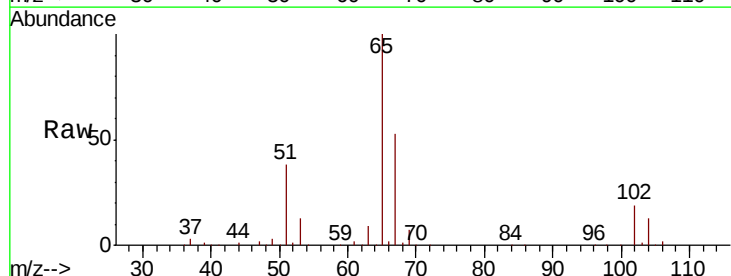
Manual Integrations
APPROVED

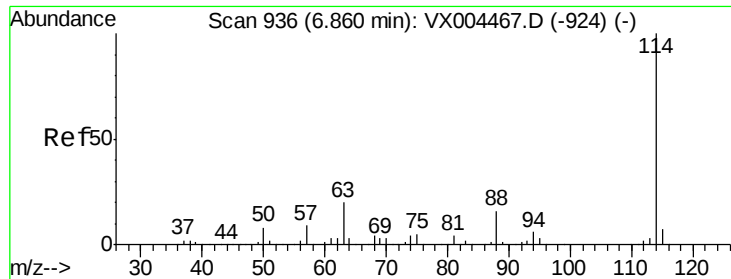
MMDadoda
9/17/2018 5:09:25 PM



#33
1,2-Dichloroethane-d4
Concen: 50.52 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	106.8





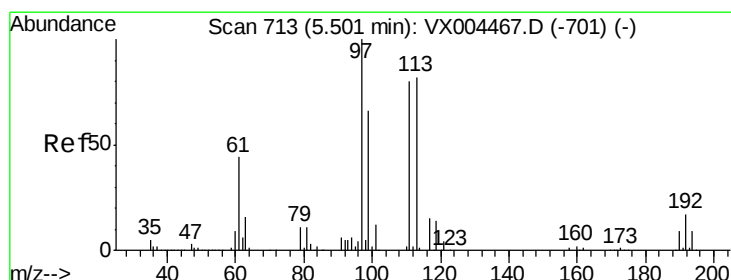
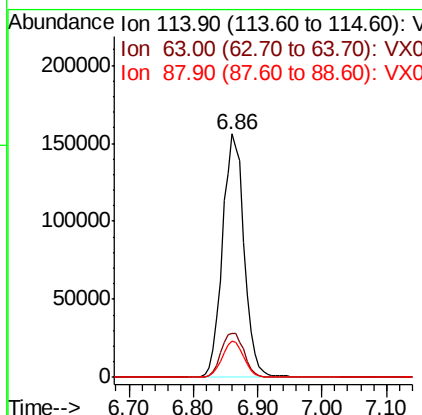
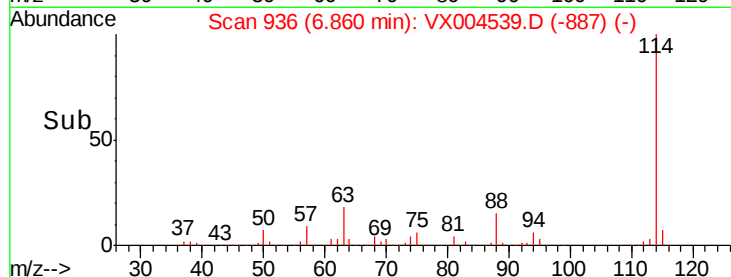
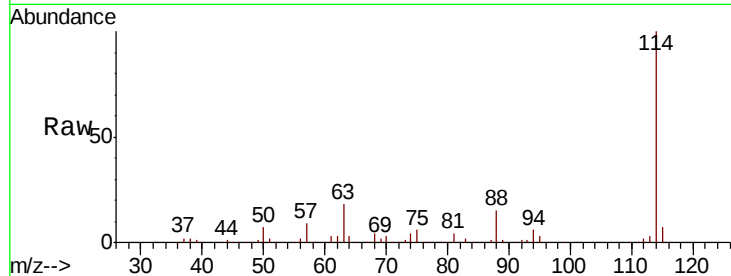
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	372523		
63	18.3		0.0	39.0
88	14.8		0.0	30.4

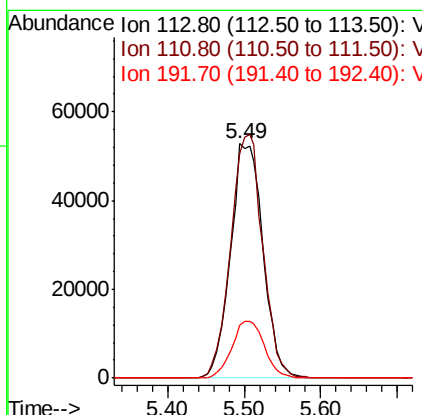
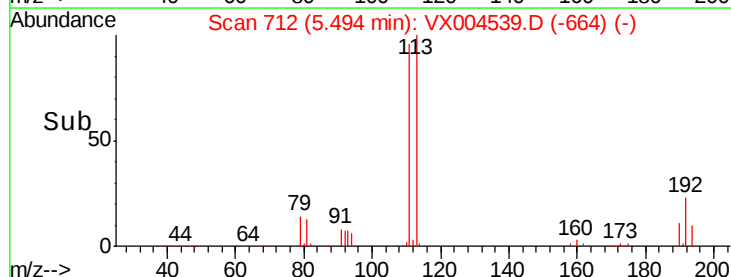
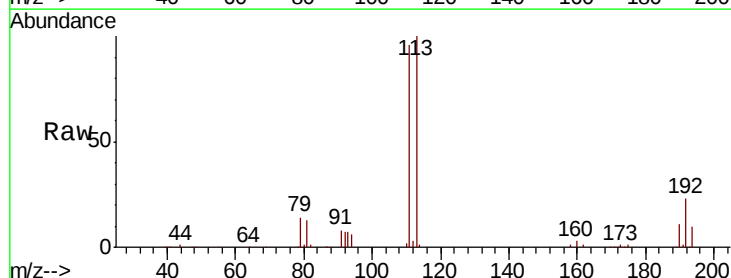
Manual Integrations
 APPROVED

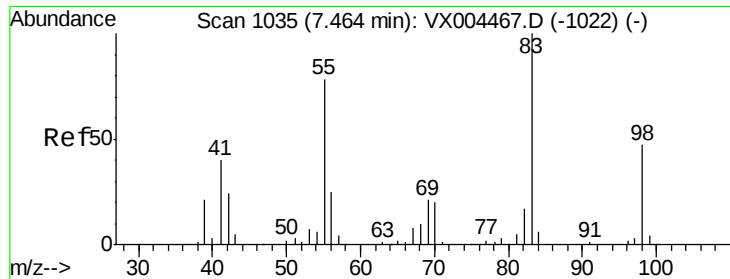
MMDadoda
 9/17/2018 5:09:25 PM



#35
 Dibromofluoromethane
 Concen: 45.54 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	155256		
111	102.5		82.4	123.6
192	24.2		19.4	29.2





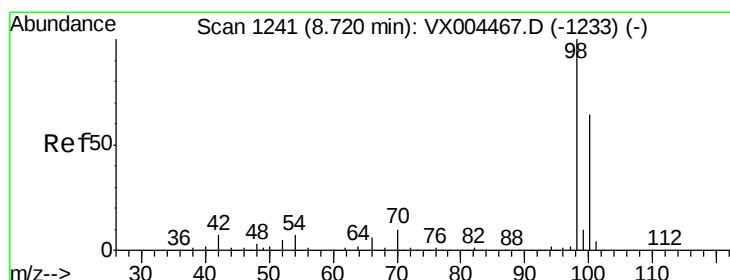
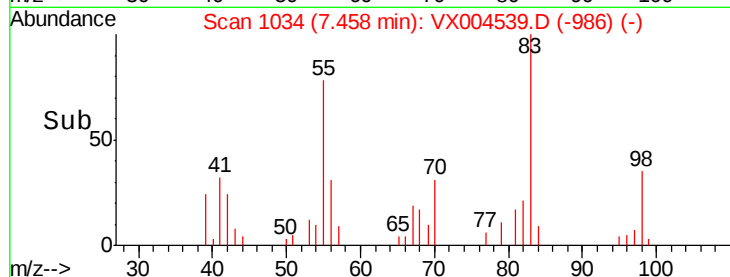
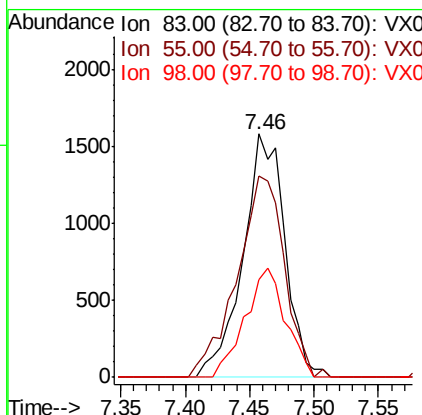
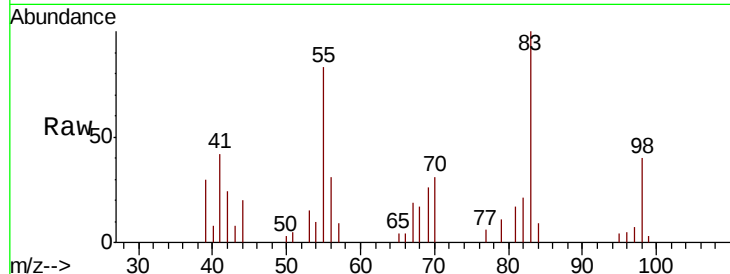
#39
Methvlcvclohexane
Concen: 0.75 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	61.0	91.4
98	40.2	39.6	59.4

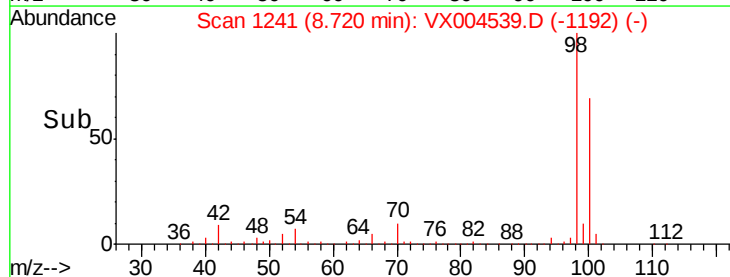
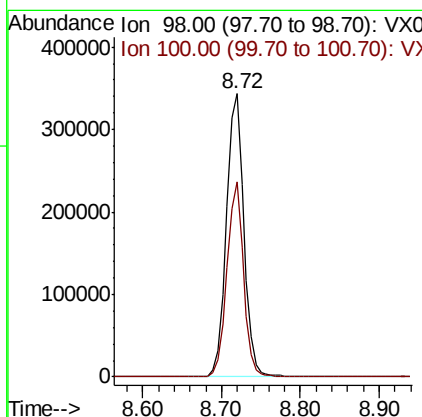
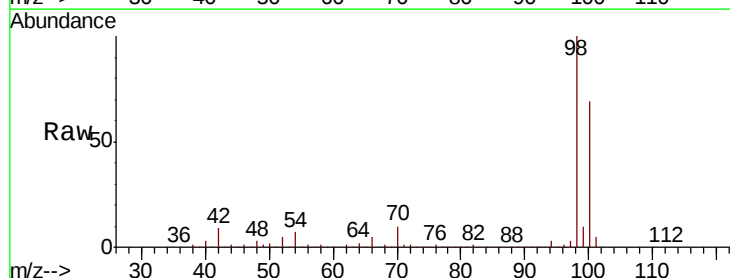
Manual Integrations
APPROVED

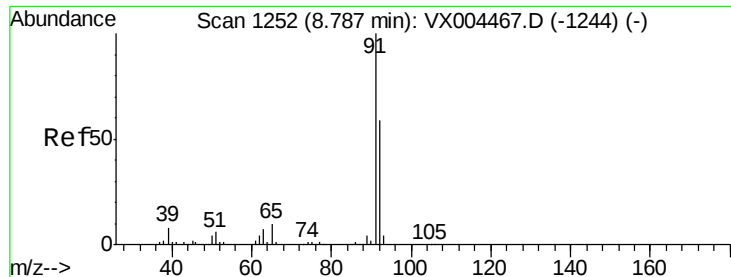
MMDadoda
9/17/2018 5:09:25 PM



#50
Toluene-d8
Concen: 46.09 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





#52

Toluene

Concen: 8.85 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

Tot Ion: 92 Resp: 69929

Ion Ratio Lower Upper

92 100

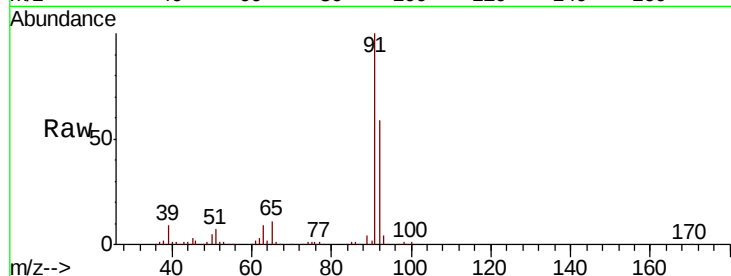
91 173.5 136.4 204.6

Manual Integrations

APPROVED

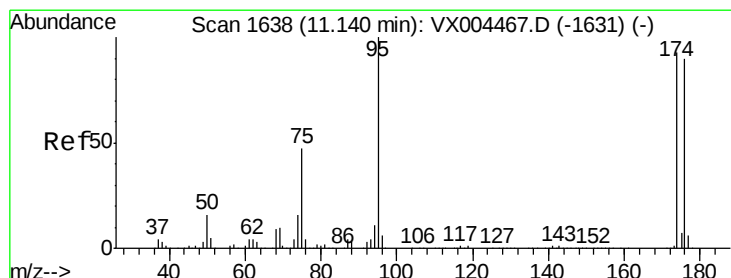
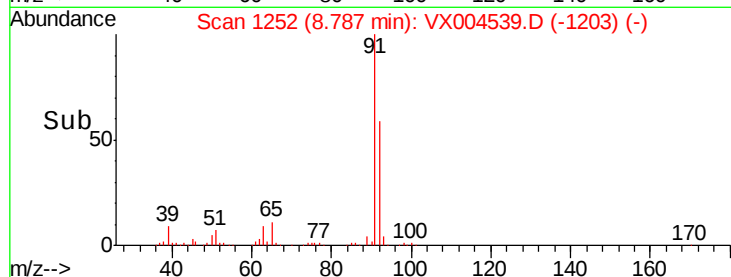
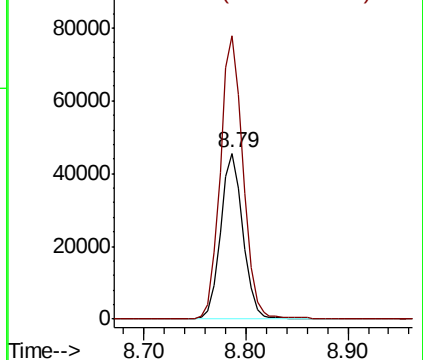
MMDadoda

9/17/2018 5:09:25 PM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.87 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

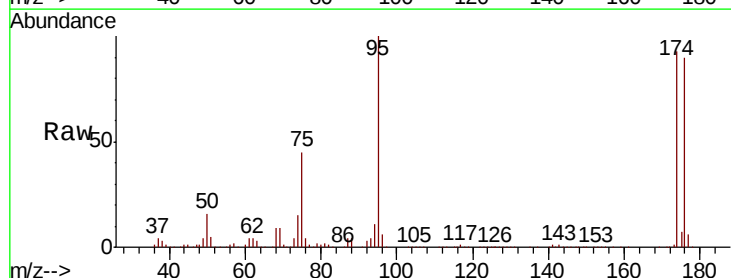
Tgt Ion: 95 Resp: 195333

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

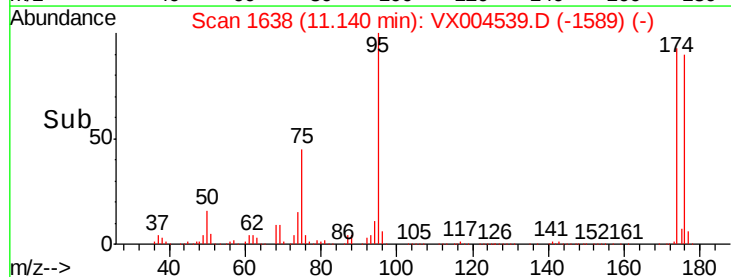
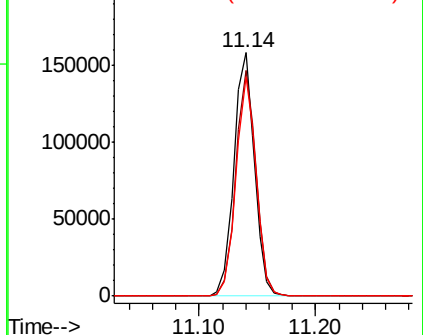
176 88.7 0.0 178.6

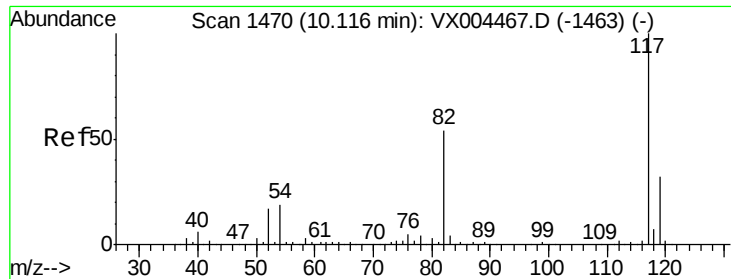


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





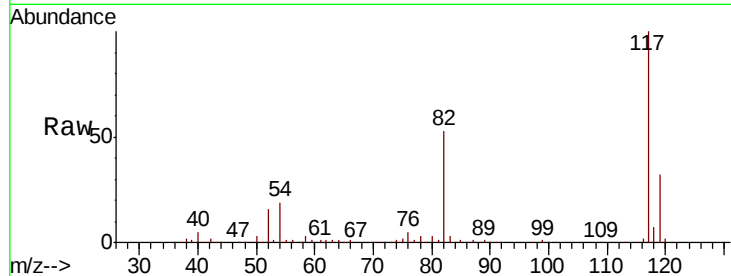
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

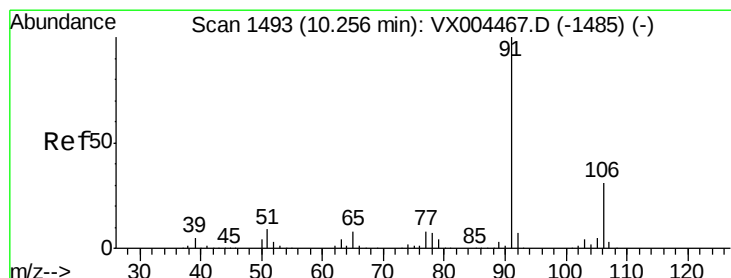
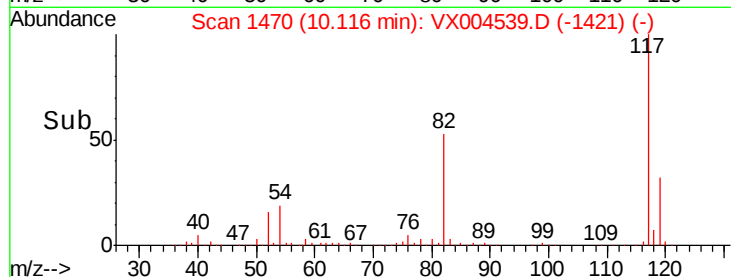
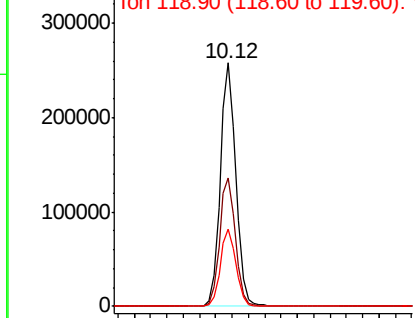
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	47.8	71.6
119	31.7	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:25 PM

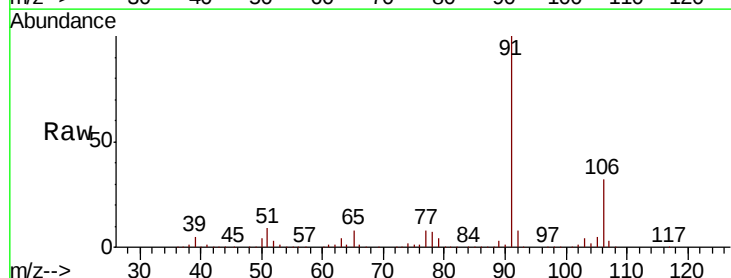


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

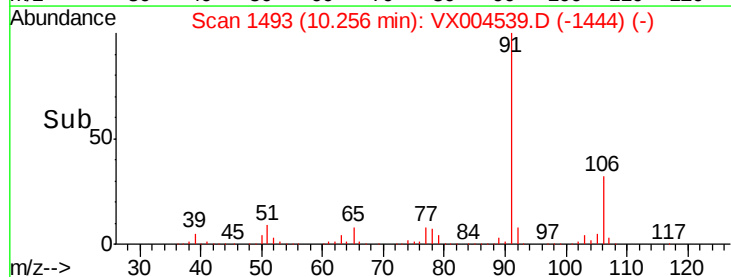
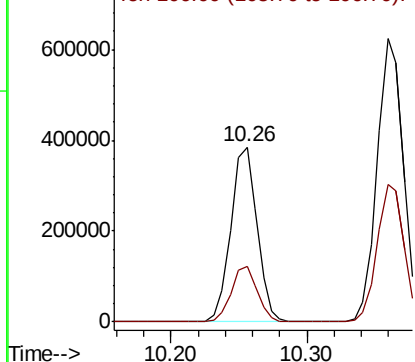


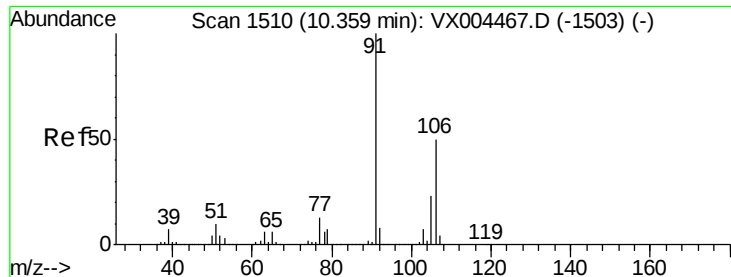
#67
Ethyl Benzene
Concen: 37.34 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.9	38.9



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





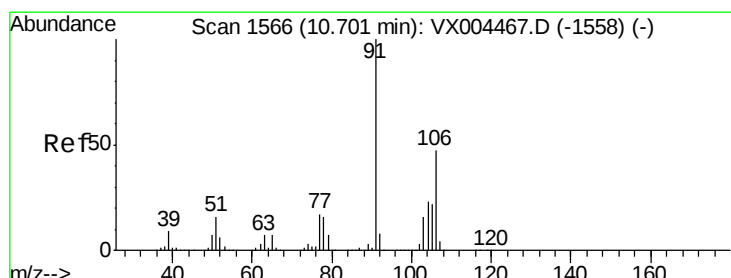
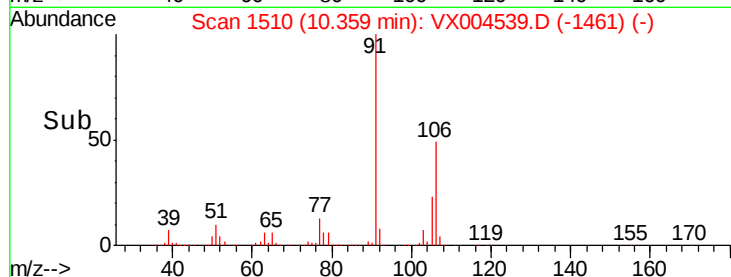
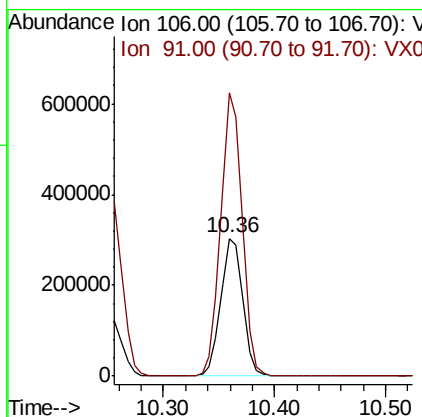
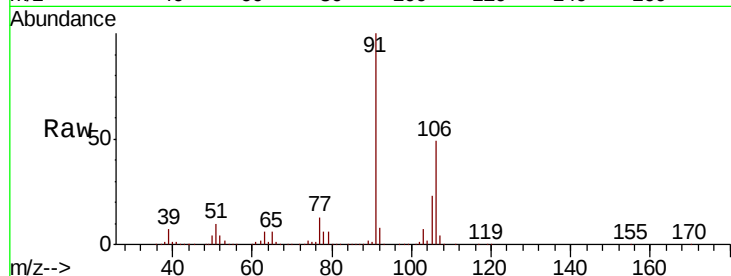
#68
m/p-Xvlenes
Concen: 77.21 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

Tot Ion:106 Resp: 413701
Ion Ratio Lower Upper
106 100
91 201.5 157.1 235.7

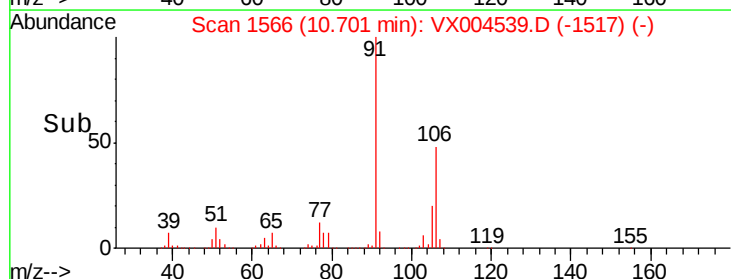
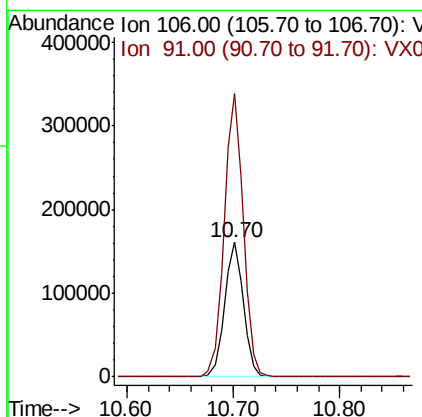
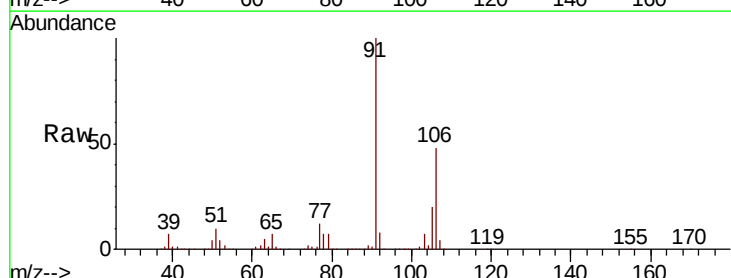
Manual Integrations
APPROVED

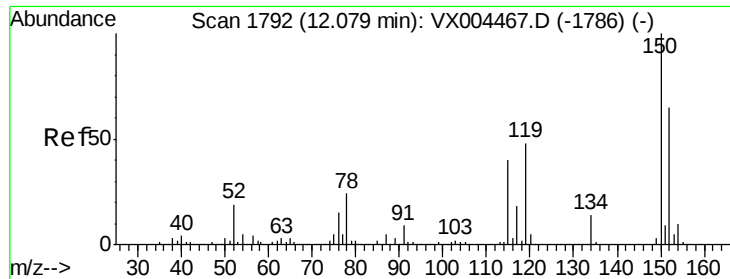
MMDadoda
9/17/2018 5:09:25 PM



#69
o-Xylene
Concen: 38.71 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion:106 Resp: 199380
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

Tot Ion:152 Resp: 203434

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

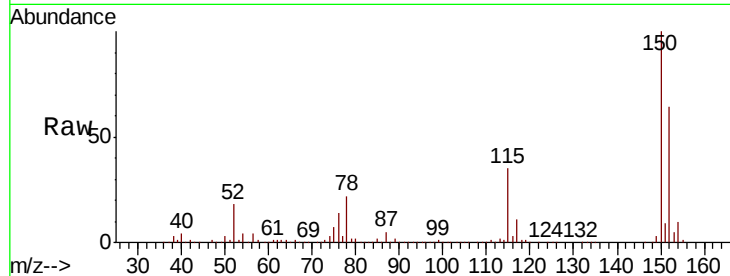
150 157.6 0.0 351.0

Manual Integrations

APPROVED

MMDadoda

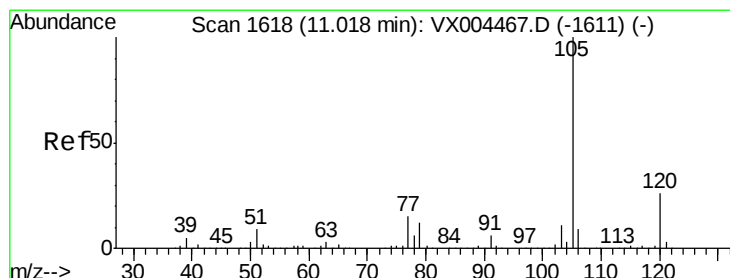
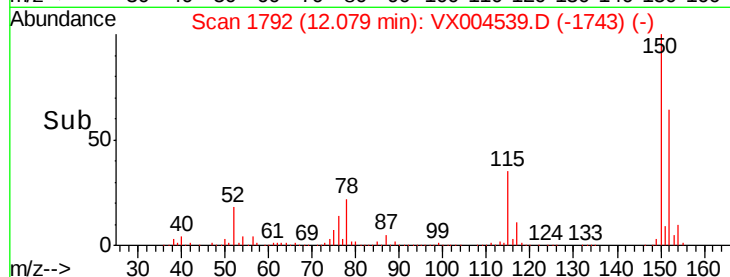
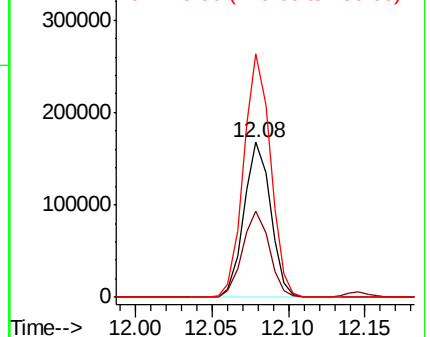
9/17/2018 5:09:25 PM



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: 3.37 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004539.D

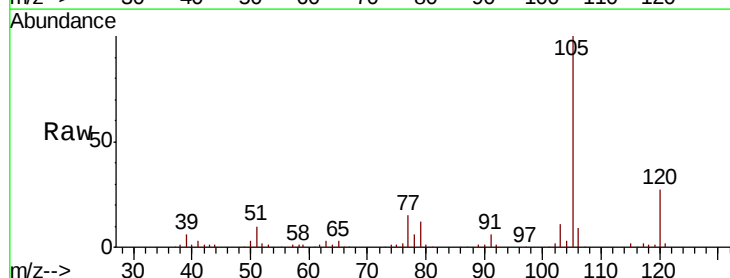
Acq: 14 Sep 2018 14:54

Tgt Ion:105 Resp: 45130

Ion Ratio Lower Upper

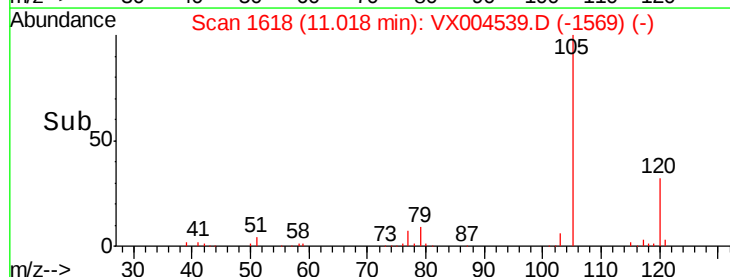
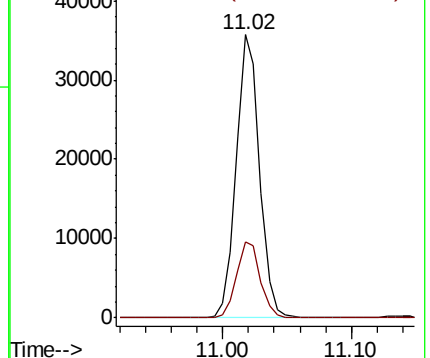
105 100

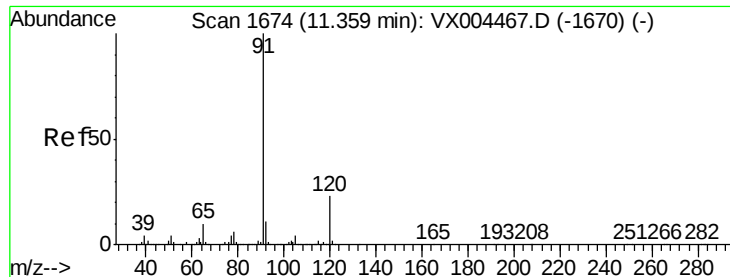
120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.06 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004539.D

Acq: 14 Sep 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-01-091218DL

Tot Ion: 91 Resp: 62501

Ion Ratio Lower Upper

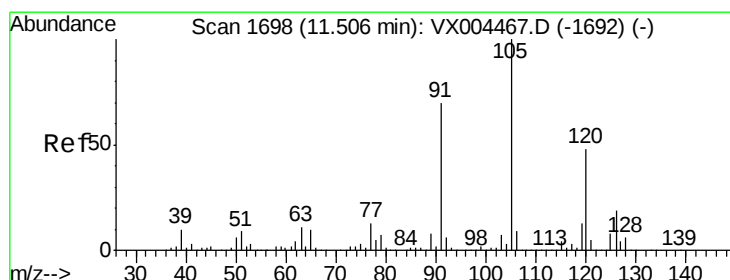
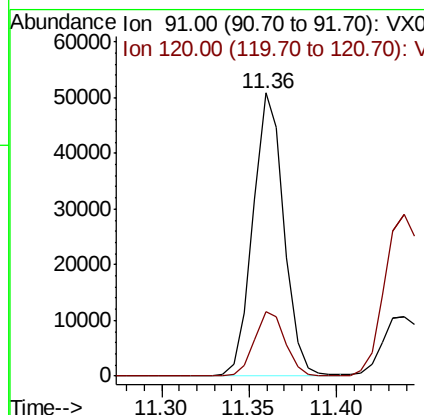
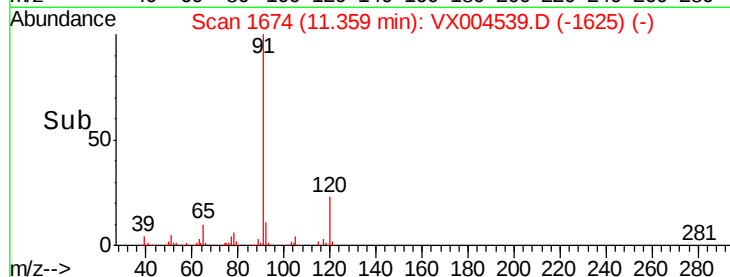
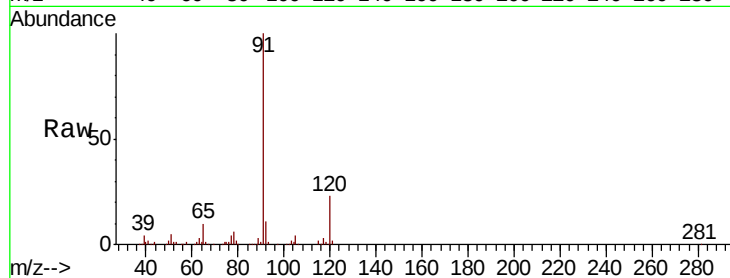
91 100

120 22.9 11.9 35.9

Manual Integrations
APPROVED

MMDadoda

9/17/2018 5:09:25 PM



#80

1,3,5-Trimethylbenzene

Concen: 16.36 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004539.D

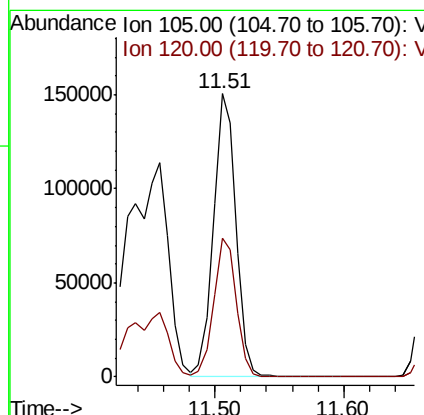
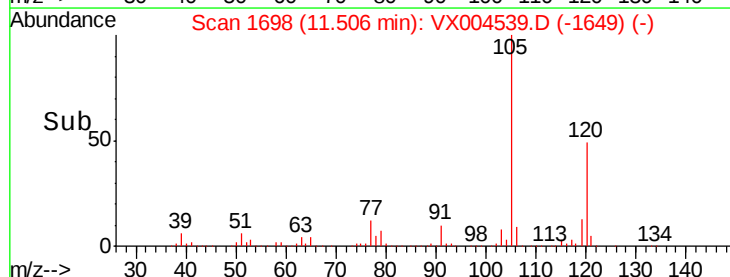
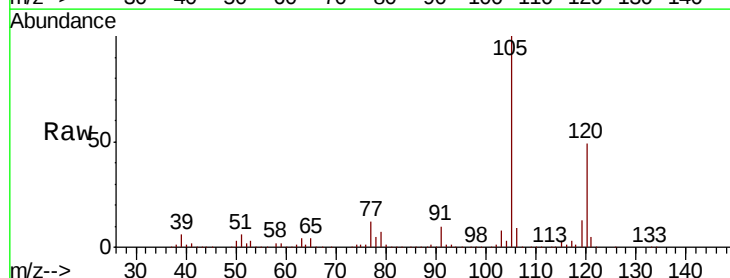
Acq: 14 Sep 2018 14:54

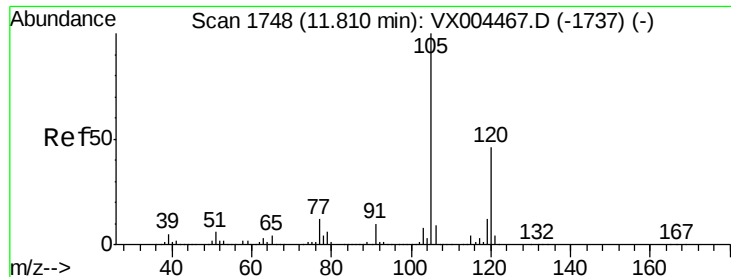
Tgt Ion: 105 Resp: 184219

Ion Ratio Lower Upper

105 100

120 49.5 25.6 76.8





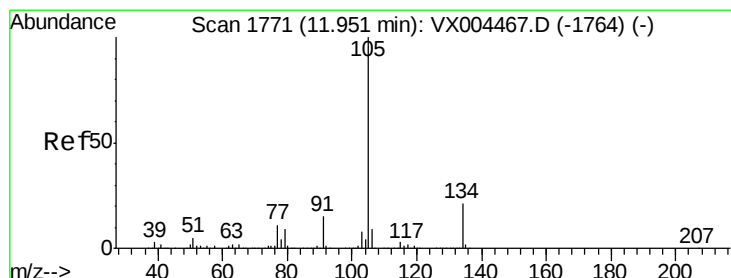
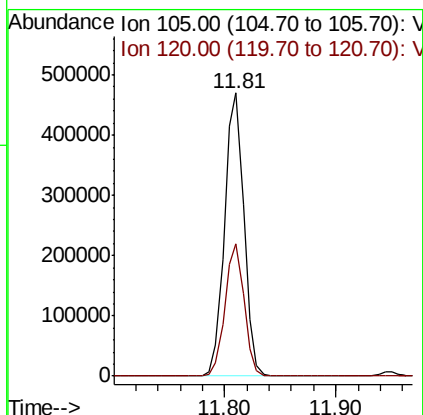
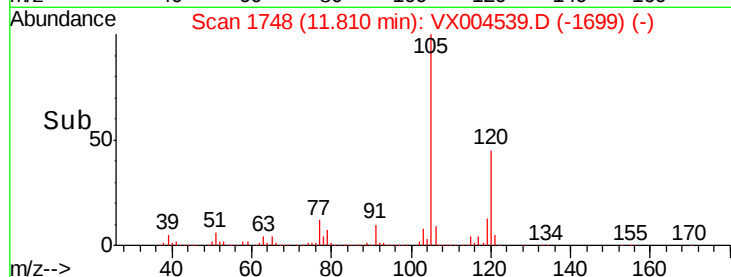
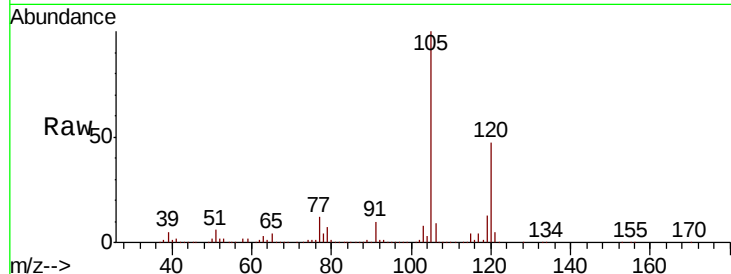
#84
 1,2,4-Trimethylbenzene
 Concen: 49.07 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-01-091218DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.2	69.6

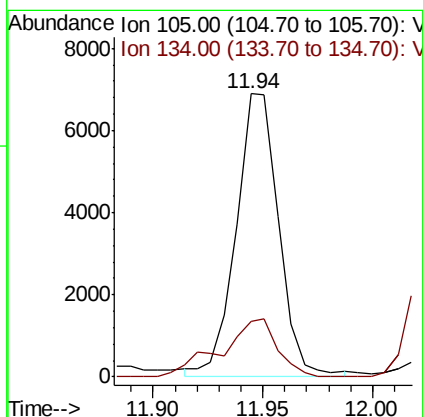
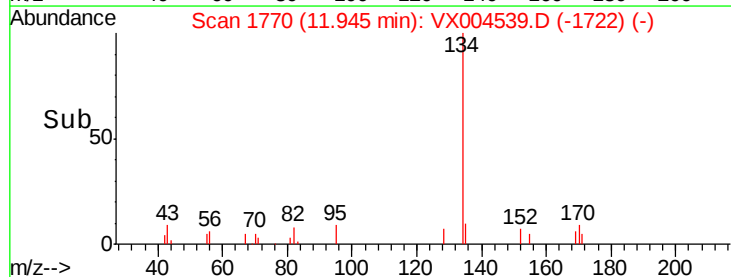
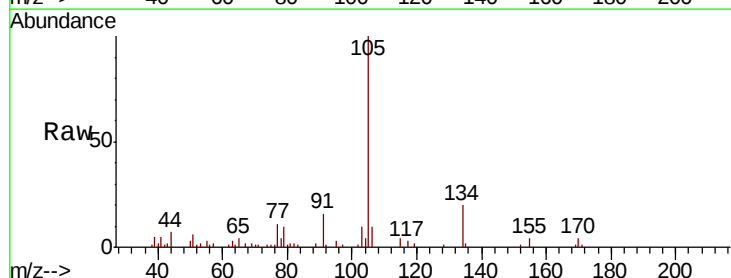
Manual Integrations
 APPROVED

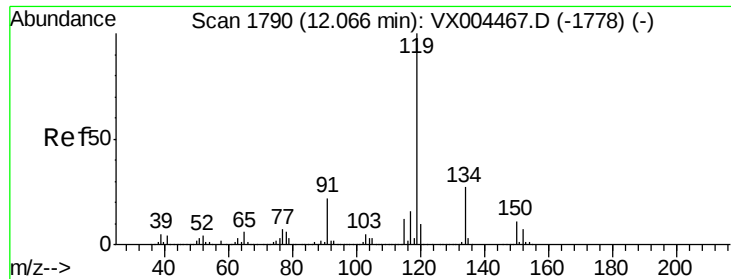
MMDadoda
 9/17/2018 5:09:25 PM



#85
 sec-Butylbenzene
 Concen: 0.68 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004539.D
 Acq: 14 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
105	100		
134	4.0	10.5	31.5#





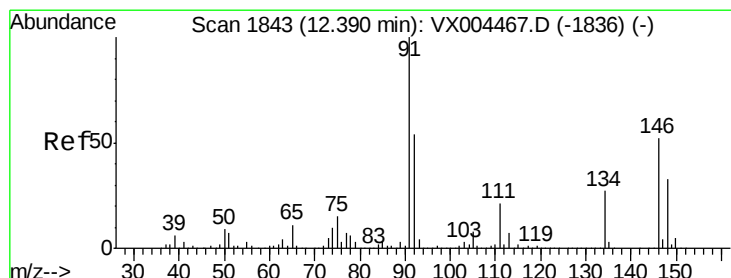
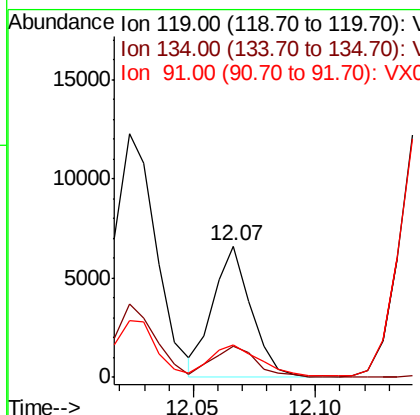
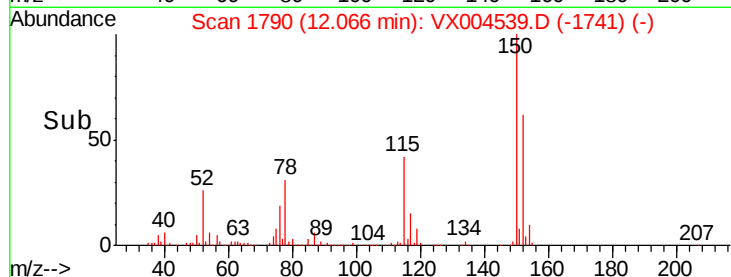
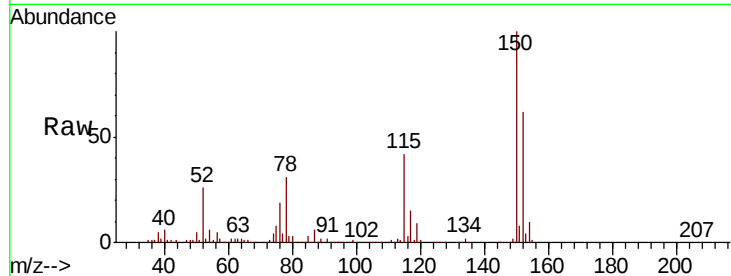
#86
p-Isopropyltoluene
Concen: 0.60 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.4	40.2
91	29.6	10.9	32.7

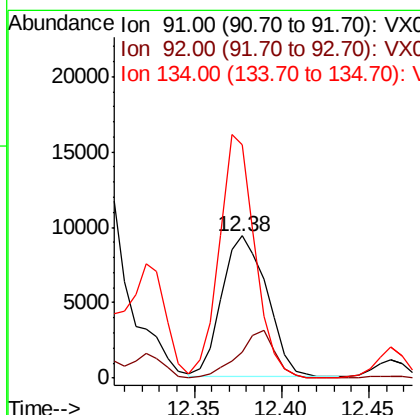
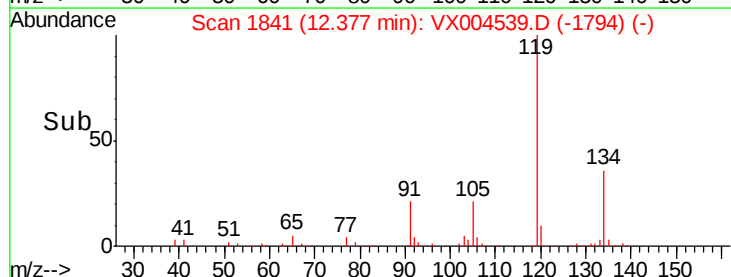
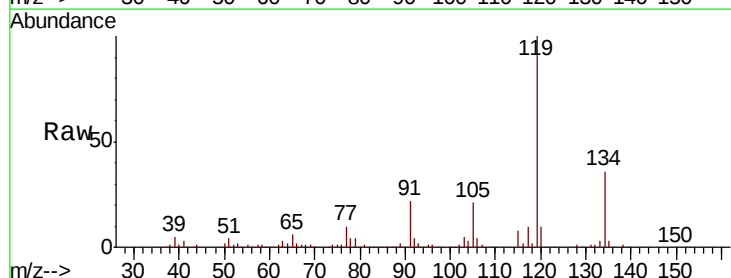
Manual Integrations
APPROVED

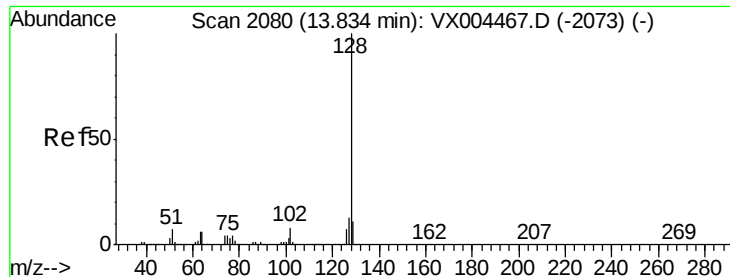
MMDadoda
9/17/2018 5:09:25 PM



#89
n-Butylbenzene
Concen: 1.52 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	27.6	27.3	81.9
134	136.4	13.6	40.7#





#95
Naphthalene
Concen: 19.47 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004539.D
Acq: 14 Sep 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01-091218DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:25 PM

