

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081319\
 Data File : VX011533.D
 Acq On : 13 Aug 2019 14:07
 Operator : JC/SP
 Sample : K4279-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0672

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:41 AM

Quant Time: Aug 14 11:40:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	205412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152916	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	111338	53.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.64%	
35) Dibromofluoromethane	5.49	113	90570	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
50) Toluene-d8	8.71	98	362094	47.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	136434	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	10913	11.083	ug/l	93
31) Cyclohexane	5.58	56	794274	298.157	ug/l	99
39) Methylcyclohexane	7.46	83	734360	231.088	ug/l	98
40) Benzene	6.14	78	1654228	206.773	ug/l	97
52) Toluene	8.78	92	6230	1.178	ug/l	97
67) Ethyl Benzene	10.25	91	4261944	429.095	ug/l	100
68) m/p-Xylenes	10.36	106	601362	156.530	ug/l	96
69) o-Xylene	10.69	106	12507	3.313	ug/l	97
73) Isopropylbenzene	11.02	105	447650	42.803	ug/l	99
78) n-propylbenzene	11.36	91	598675	51.475	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	455812	52.064	ug/l	99
83) tert-Butylbenzene	11.77	119	7872m	0.917	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	3384318	388.267	ug/l	100
85) sec-Butylbenzene	11.94	105	98342m	9.533	ug/l	
86) p-Isopropyltoluene	12.06	119	97448	10.268	ug/l	98
95) Naphthalene	13.83	128	629060	63.000	ug/l	99

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

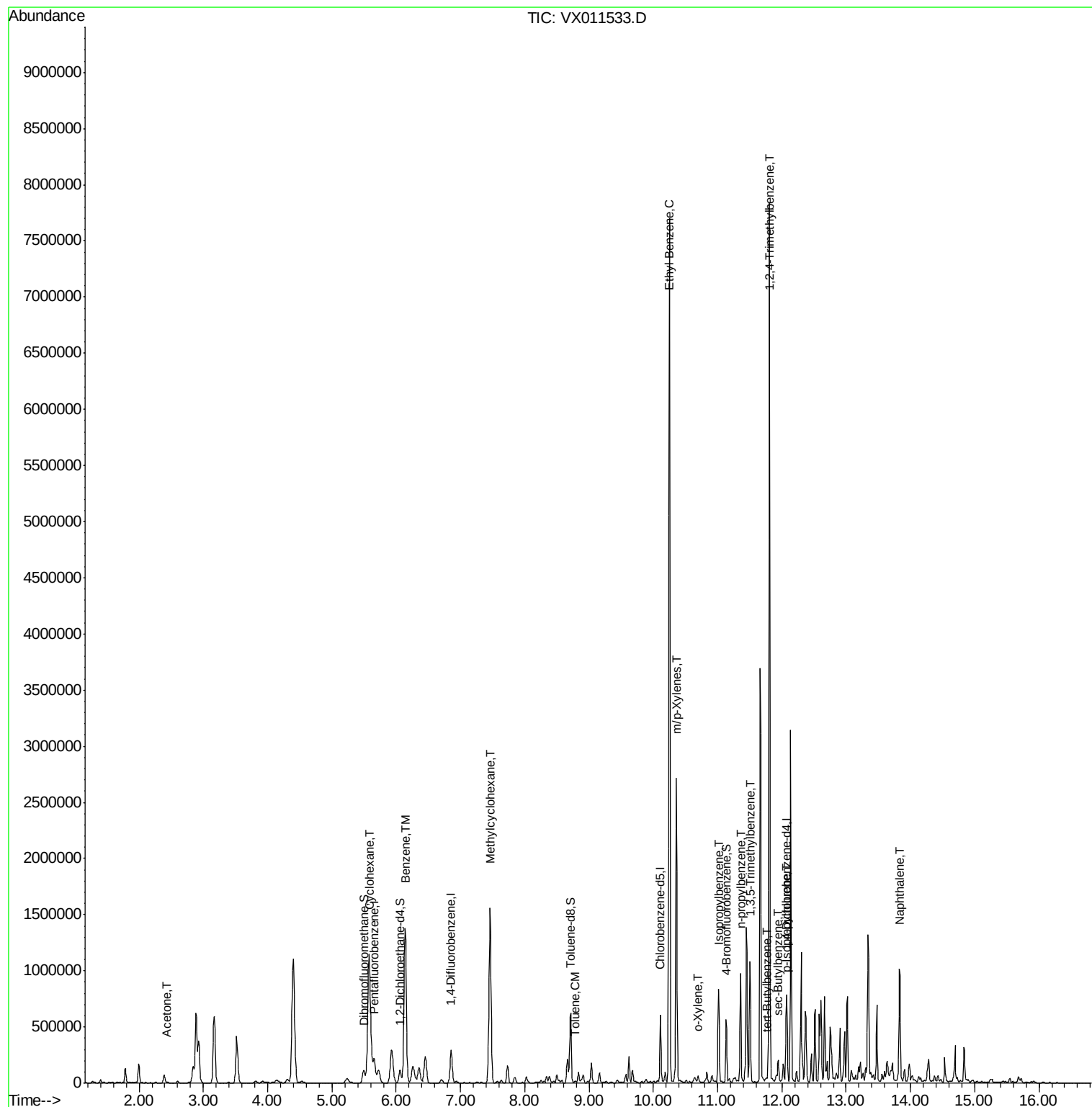
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081319\
Data File : VX011533.D
Acq On : 13 Aug 2019 14:07
Operator : JC/SP
Sample : K4279-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

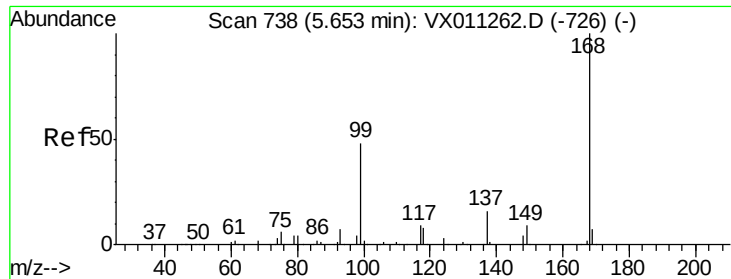
Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

Quant Time: Aug 14 11:40:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:41 AM





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

Tot Ion:168 Resp: 205412

Ion Ratio Lower Upper

168 100

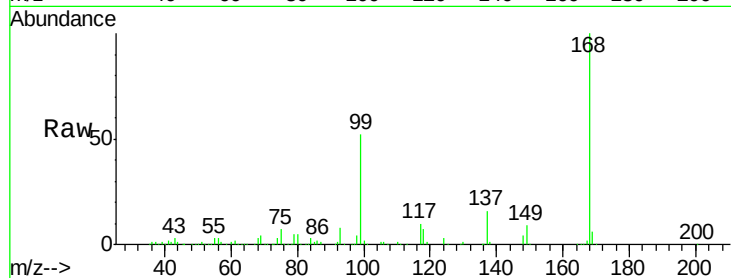
99 52.1 38.5 57.7

Manual Integrations

APPROVED

MMDadoda

8/14/2019 11:31:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

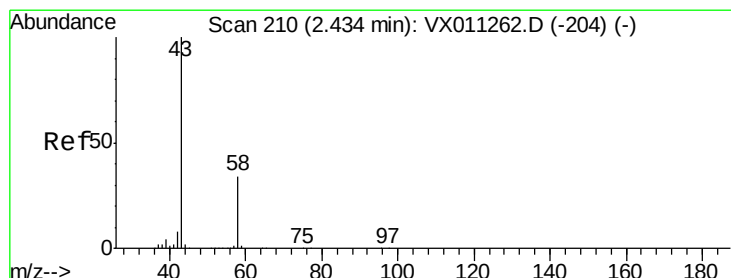
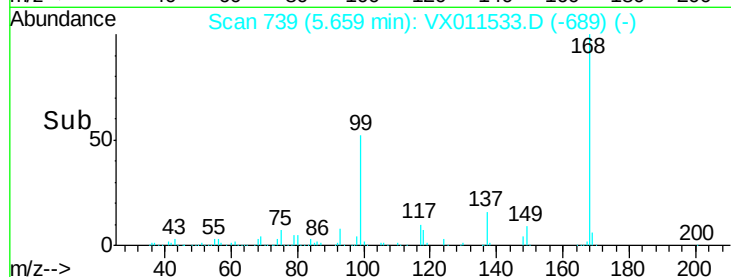
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 11.083 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011533.D

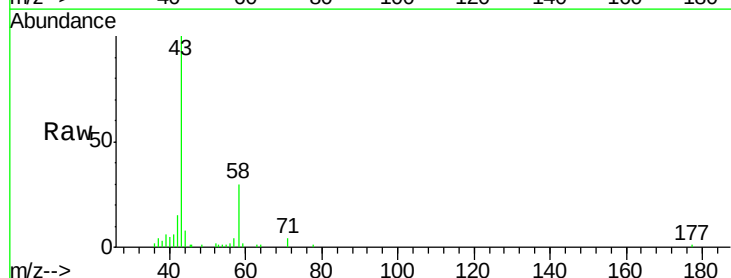
Acq: 13 Aug 2019 14:07

Tgt Ion: 43 Resp: 10913

Ion Ratio Lower Upper

43 100

58 30.1 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

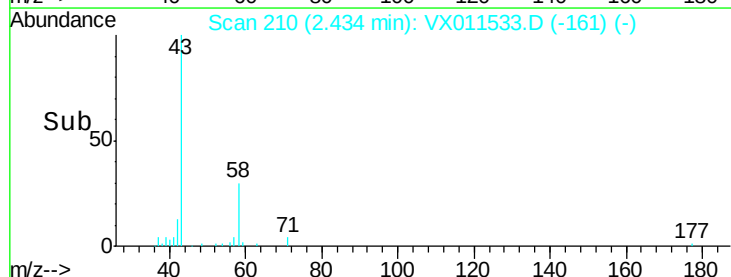
15000

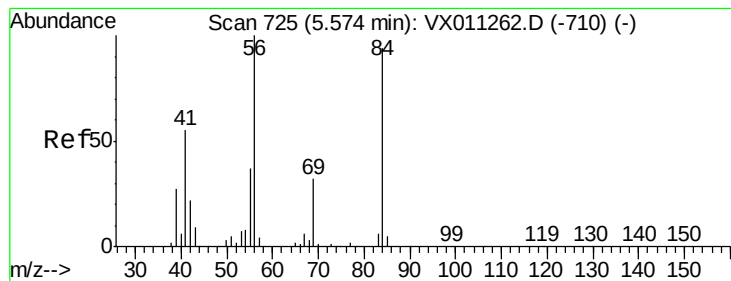
10000

5000

0

Time-->





#31

Cyclohexane

Concen: 298.157 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

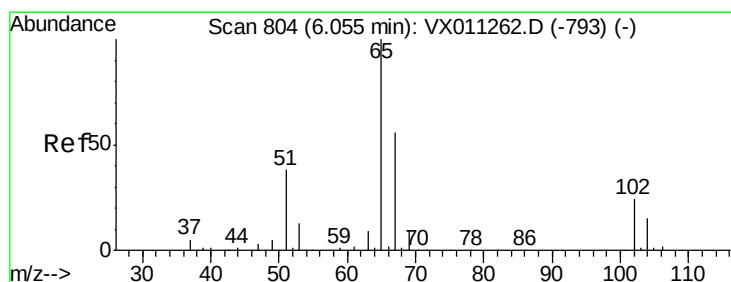
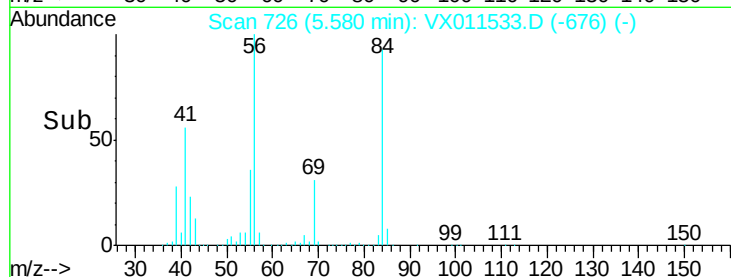
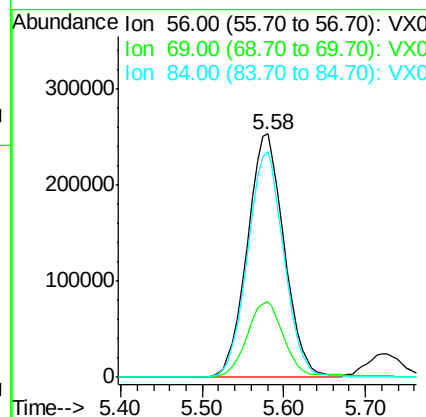
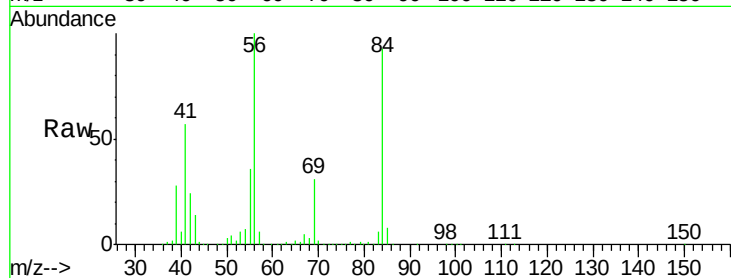
ClientSampleId :

Z3-0672

Tot Ion:	56	Resp:	794274
Ion Ratio	Lower	Upper	
56	100		
69	31.1	25.5	38.3
84	92.7	75.0	112.4

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:41 AM



#33

1,2-Dichloroethane-d4

Concen: 53.823 ug/l

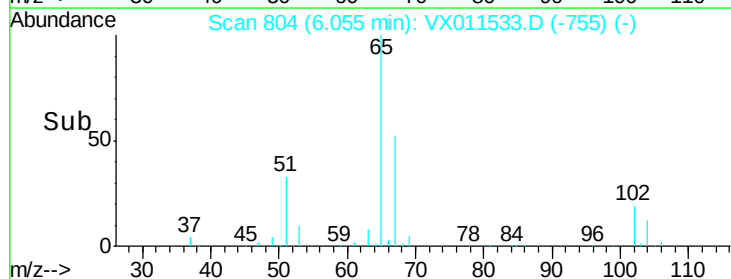
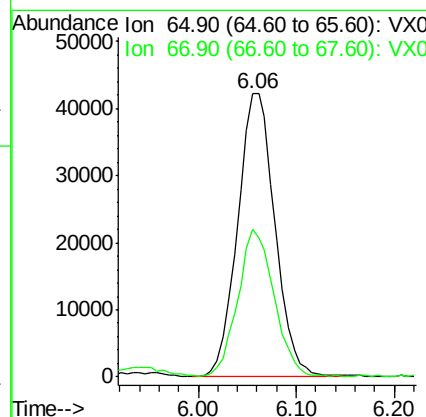
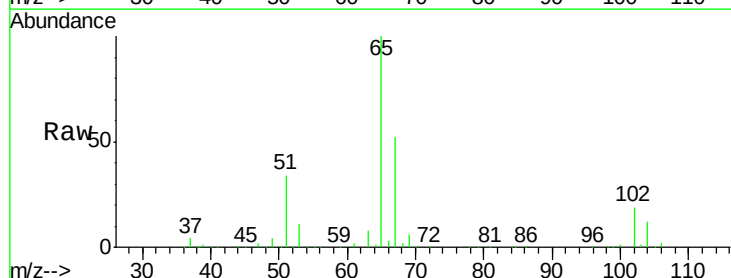
RT: 6.06 min Scan# 804

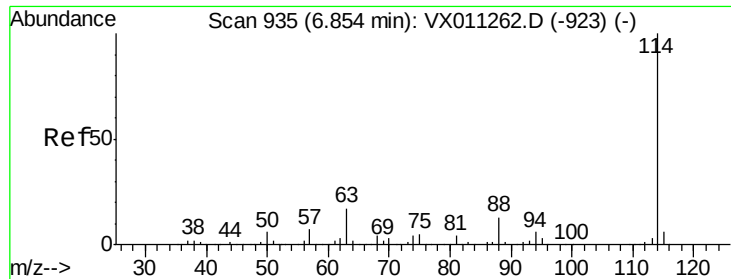
Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Tgt Ion:	65	Resp:	111338
Ion Ratio	Lower	Upper	
65	100		
67	50.5	0.0	110.6





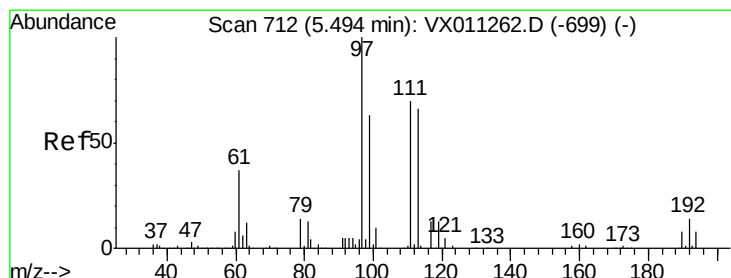
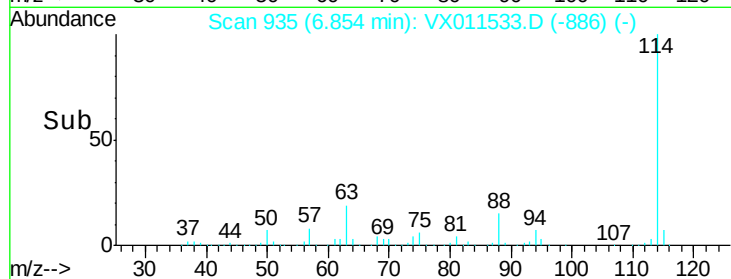
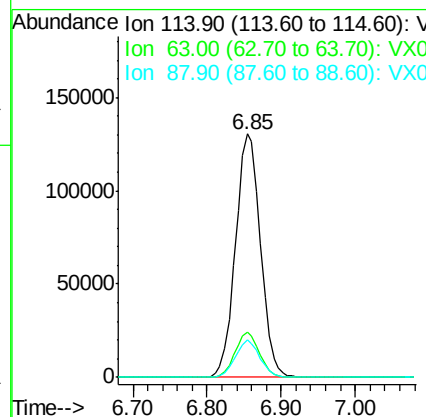
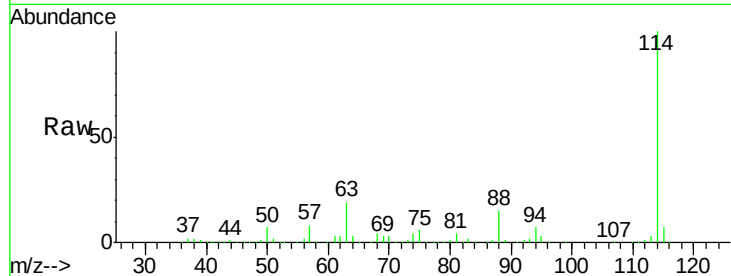
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.8	0.0	34.0
88	15.2	0.0	26.4

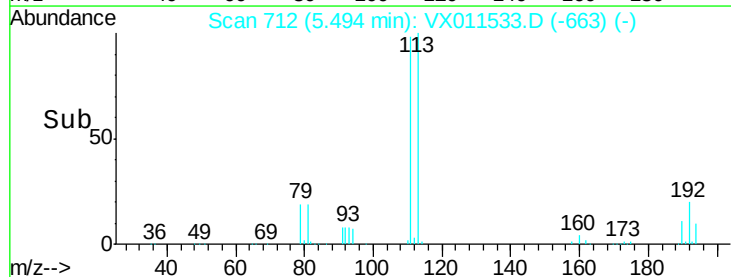
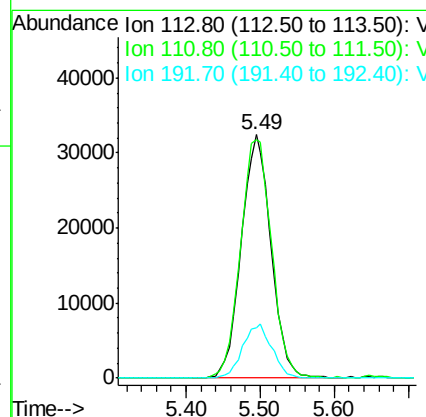
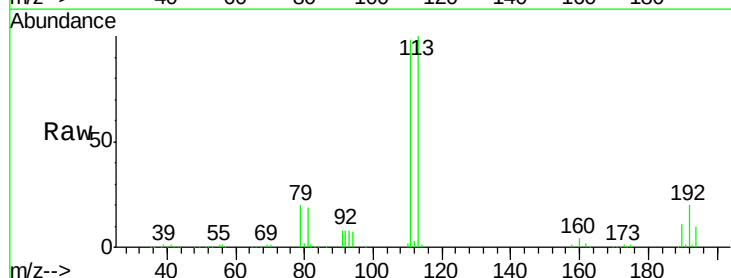
Manual Integrations
APPROVED

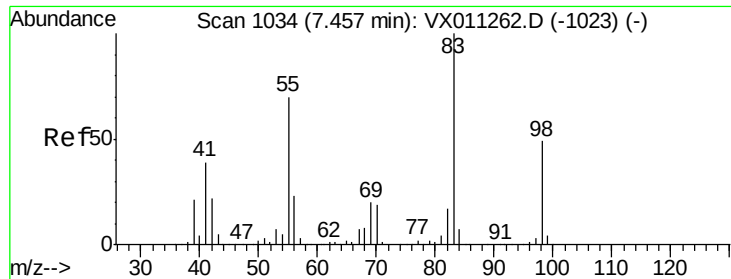
MMDadoda
8/14/2019 11:31:41 AM



#35
Dibromofluoromethane
Concen: 45.178 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.9	81.9	122.9
192	21.7	17.8	26.8





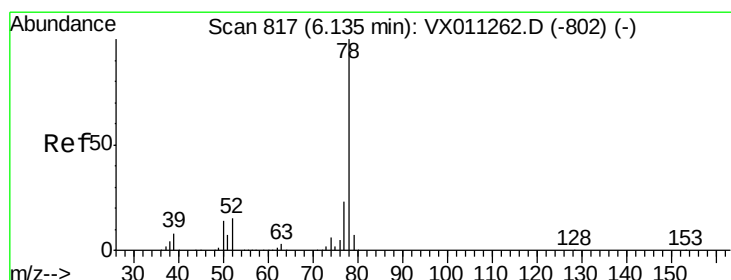
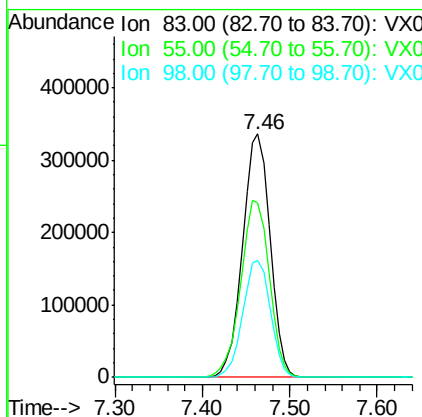
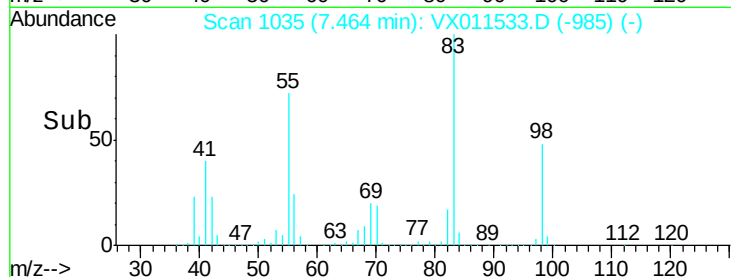
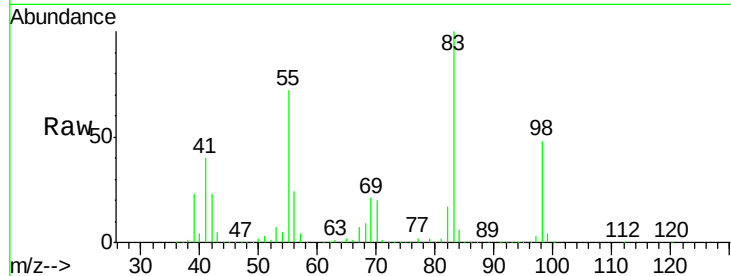
#39
Methylvlcyclohexane
Concen: 231.088 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampled :
Z3-0672

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.9	56.1	84.1	
98	48.2	39.0	58.4	

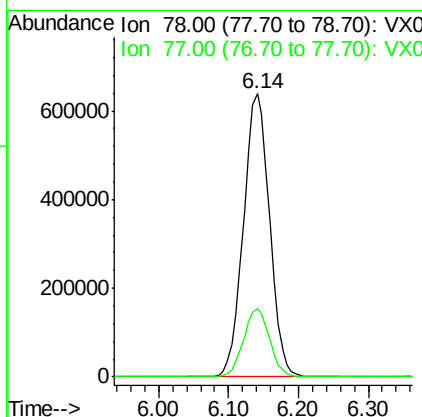
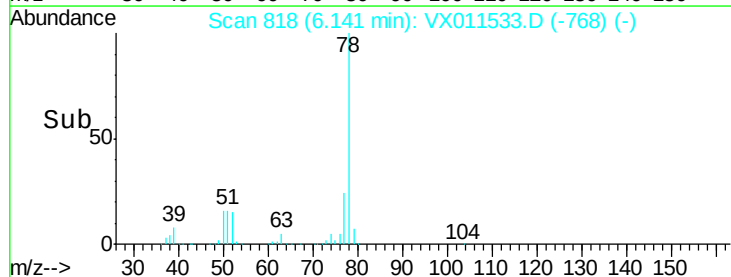
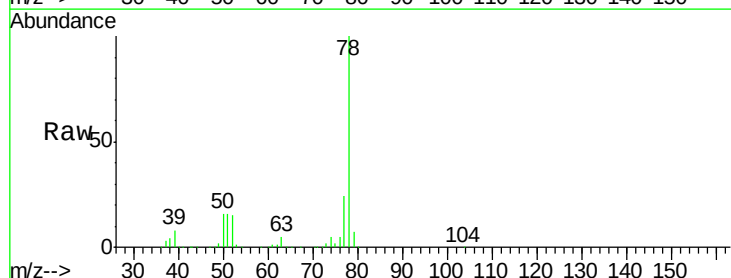
Manual Integrations
APPROVED

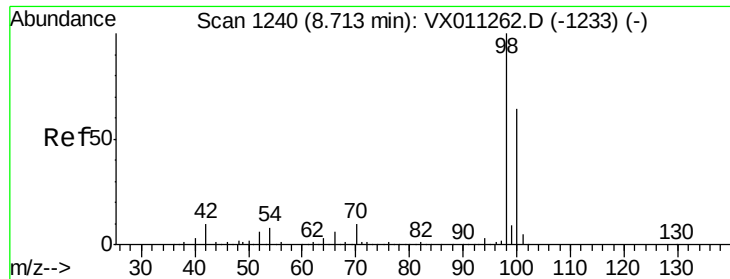
MMDadoda
8/14/2019 11:31:41 AM



#40
Benzene
Concen: 206.773 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.2	27.2	





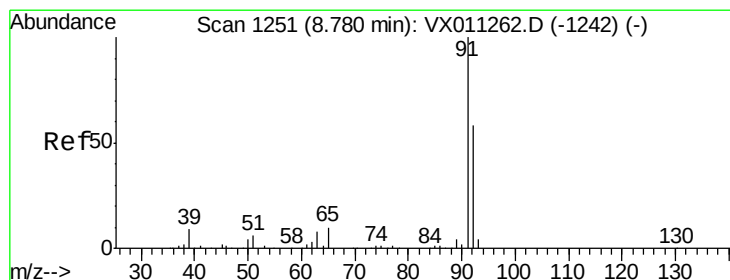
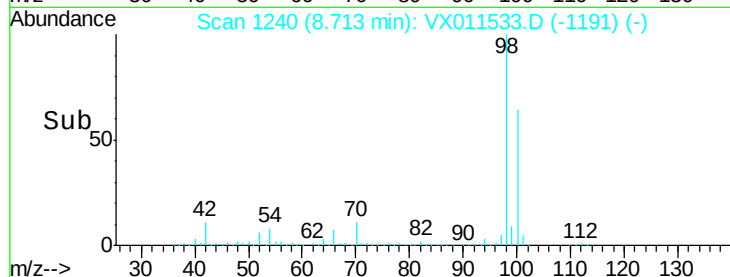
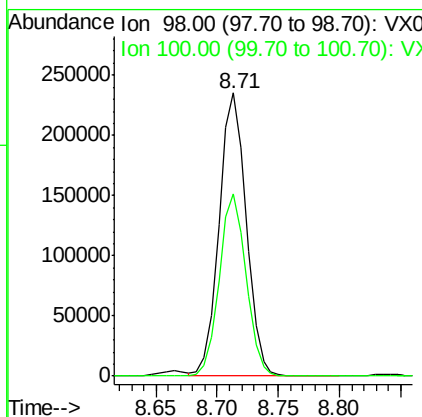
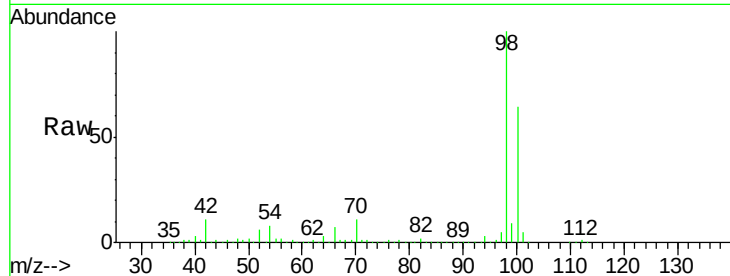
#50
Toluene-d8
Concen: 47.849 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampled :
Z3-0672

Tot Ion: 98 Resp: 362094
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

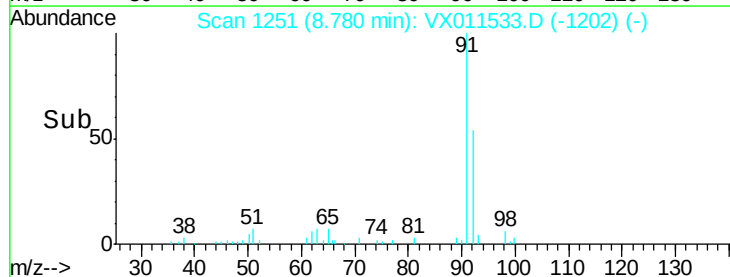
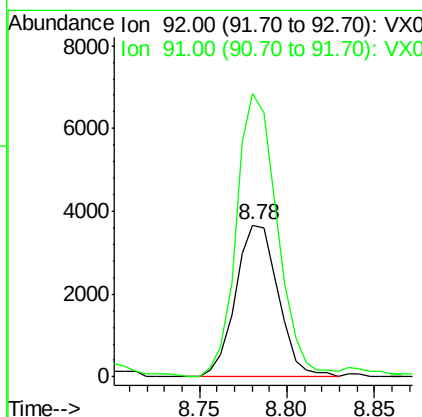
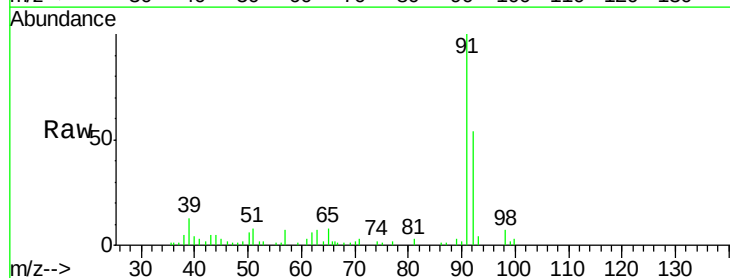
Manual Integrations
APPROVED

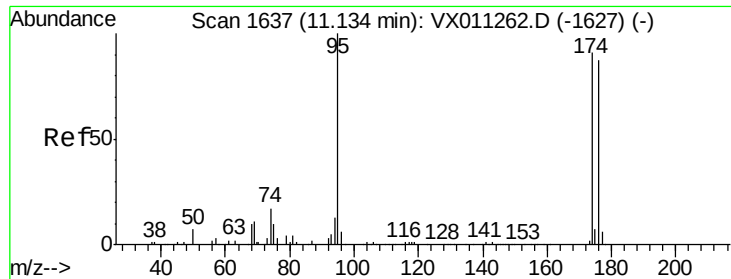
MMDadoda
8/14/2019 11:31:41 AM



#52
Toluene
Concen: 1.178 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 92 Resp: 6230
Ion Ratio Lower Upper
92 100
91 178.7 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 50.498 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

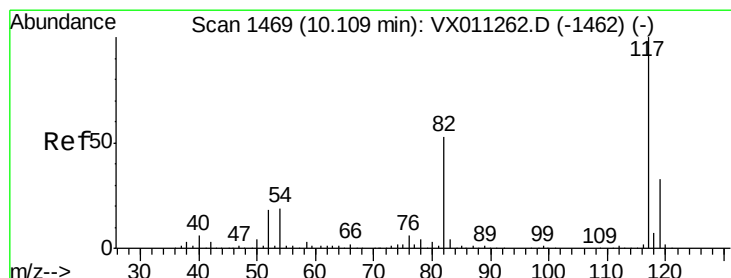
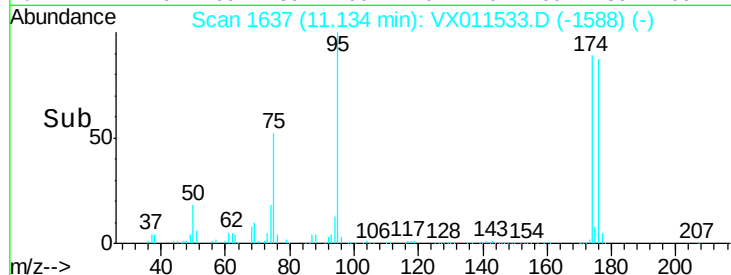
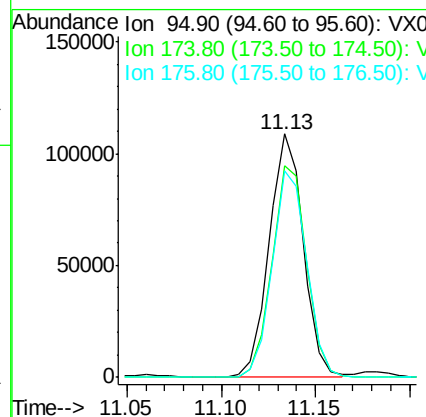
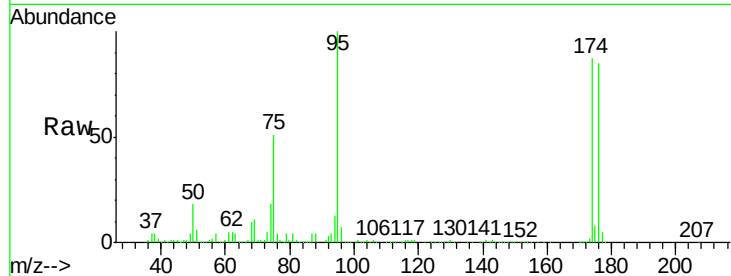
ClientSampleId :

Z3-0672

Tot Ion:	95	Resp:	136434
Ion Ratio	Lower	Upper	
95	100		
174	88.6	0.0	191.2
176	86.0	0.0	184.8

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:41 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

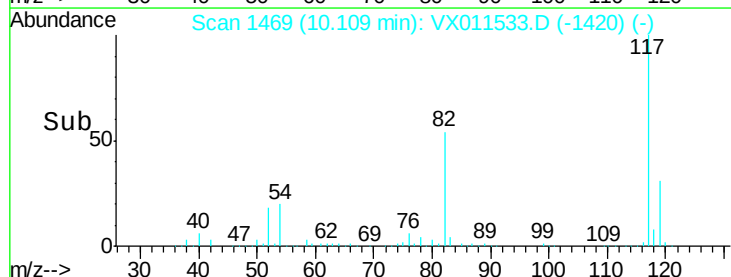
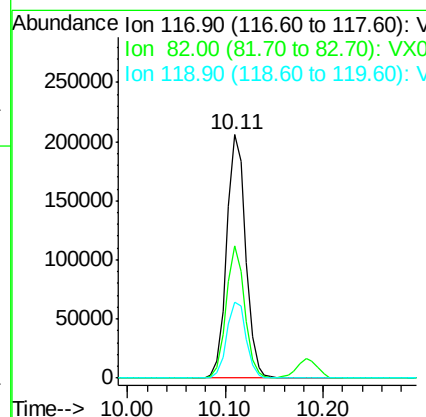
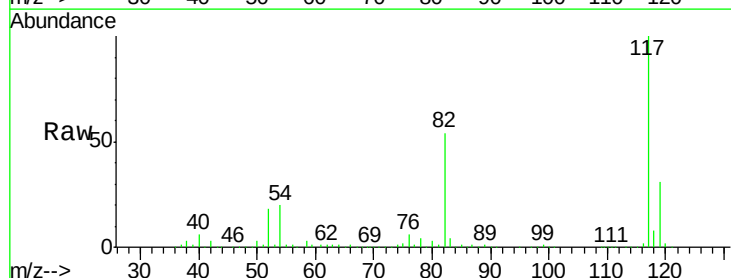
RT: 10.11 min Scan# 1469

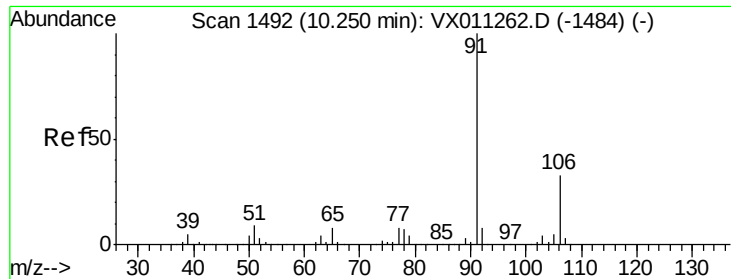
Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Tgt Ion:	117	Resp:	276601
Ion Ratio	Lower	Upper	
117	100		
82	54.2	42.2	63.2
119	31.4	26.6	39.8





#67

Ethyl Benzene

Concen: 429.095 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0672

Tot Ion: 91 Resp: 4261944

Ion Ratio Lower Upper

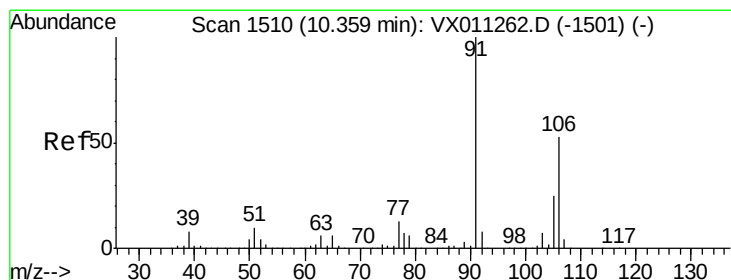
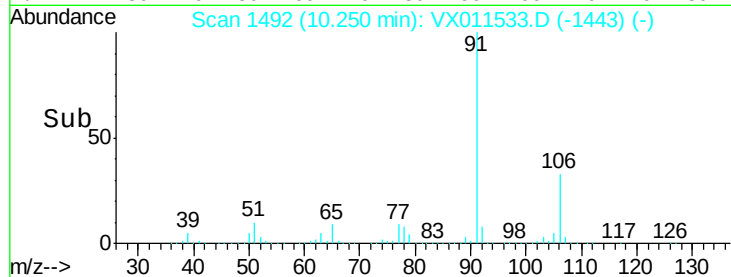
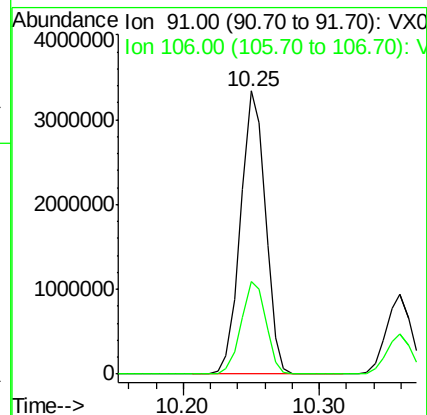
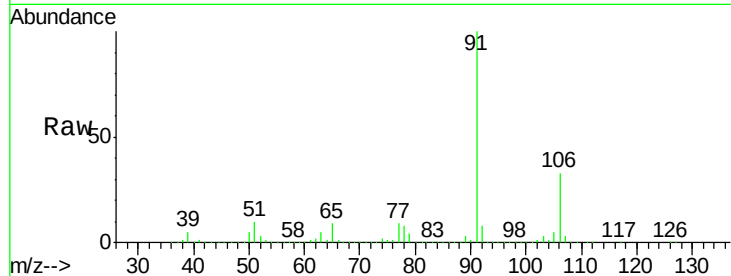
91 100

106 32.6 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

8/14/2019 11:31:41 AM



#68

m/p-Xylenes

Concen: 156.530 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011533.D

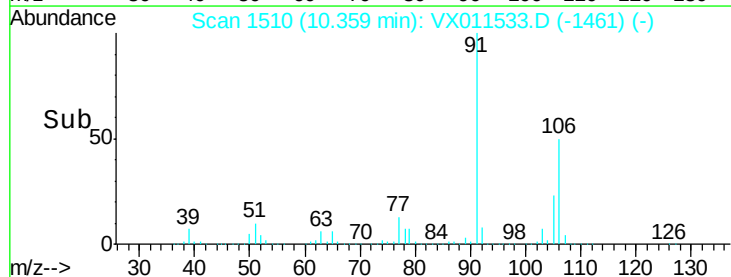
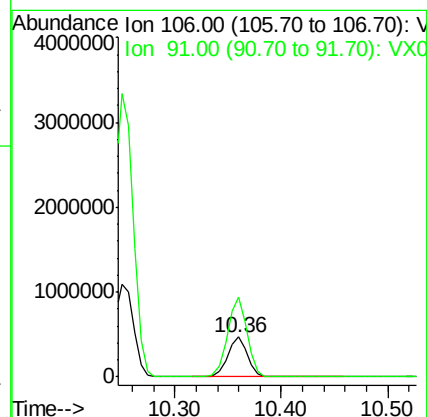
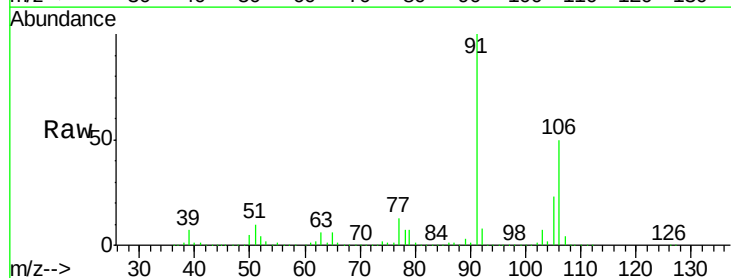
Acq: 13 Aug 2019 14:07

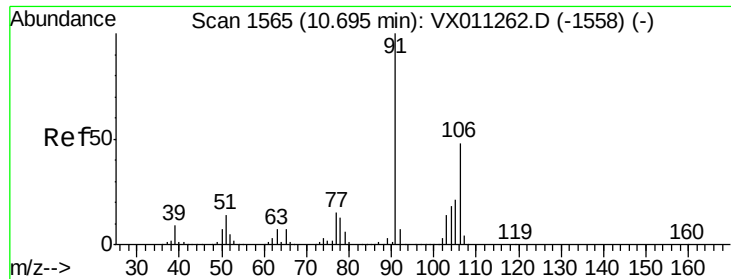
Tgt Ion: 106 Resp: 601362

Ion Ratio Lower Upper

106 100

91 201.3 155.9 233.9





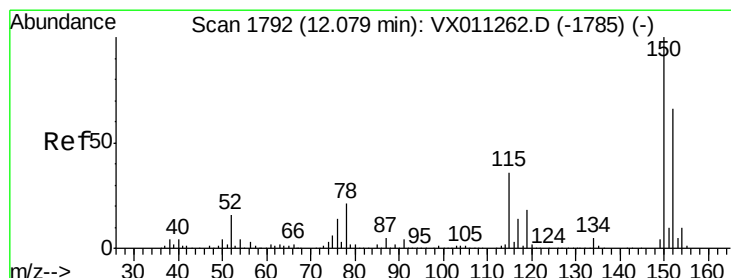
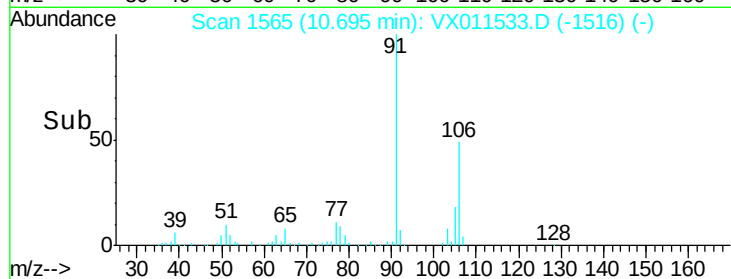
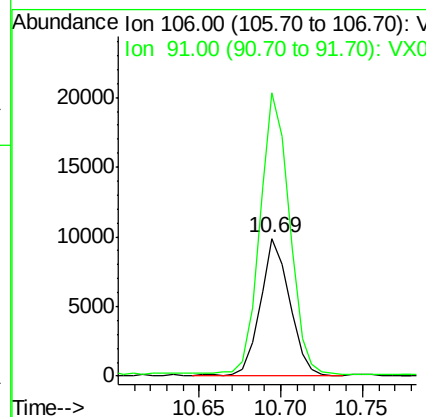
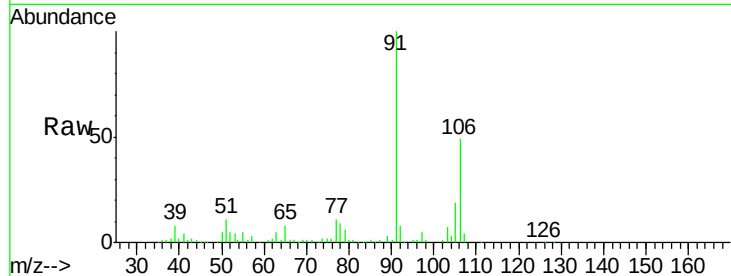
#69
o-Xylene
Concen: 3.313 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampled :
Z3-0672

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.6	103.8	311.3

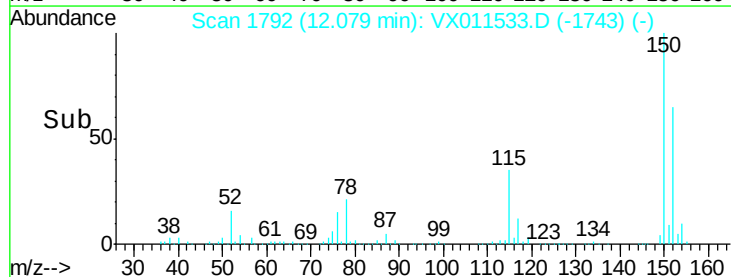
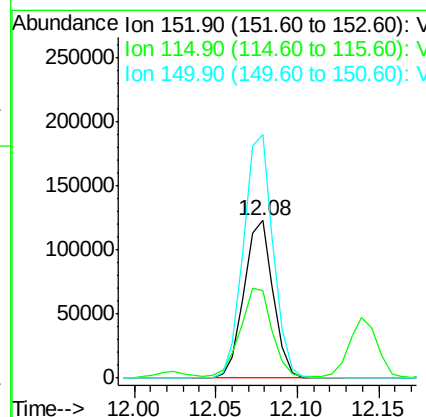
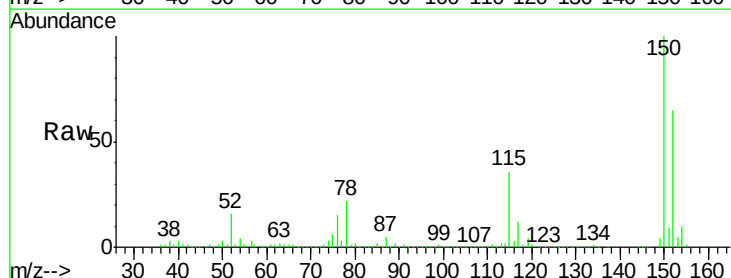
Manual Integrations
APPROVED

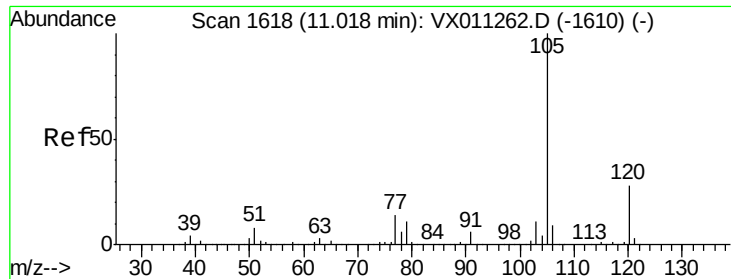
MMDadoda
8/14/2019 11:31:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	40.0	119.9
150	156.8	0.0	350.4





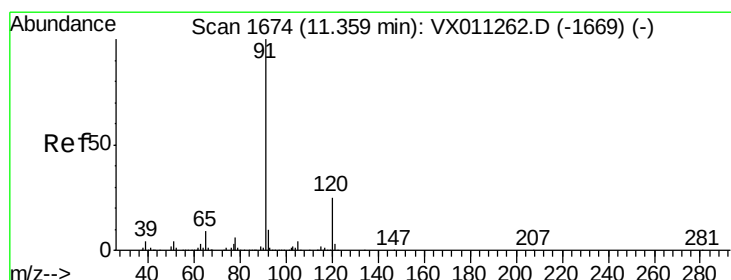
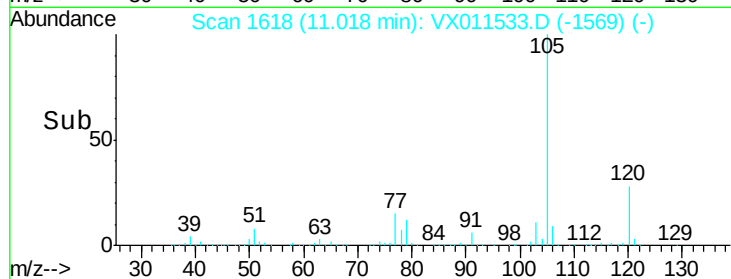
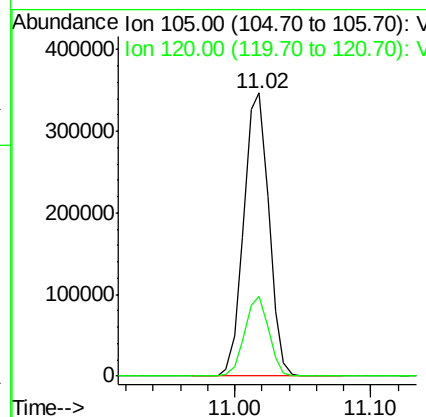
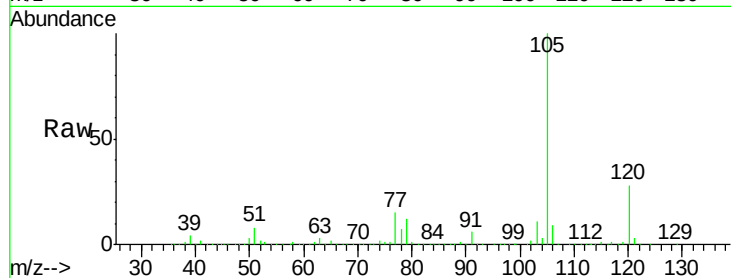
#73
Isopropylbenzene
Concen: 42.803 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
Z3-0672

Tot Ion: 105 Resp: 447650
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1

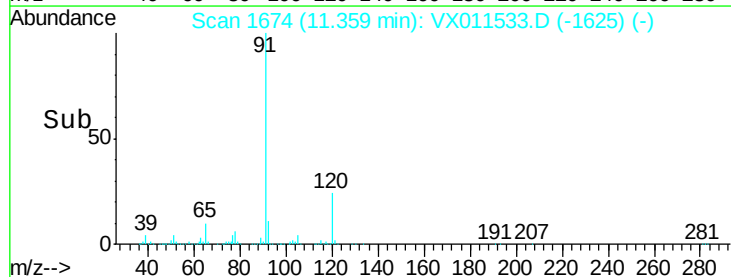
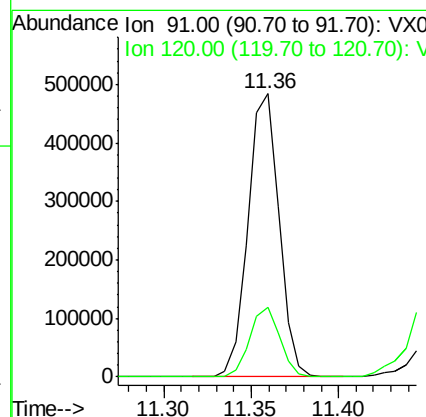
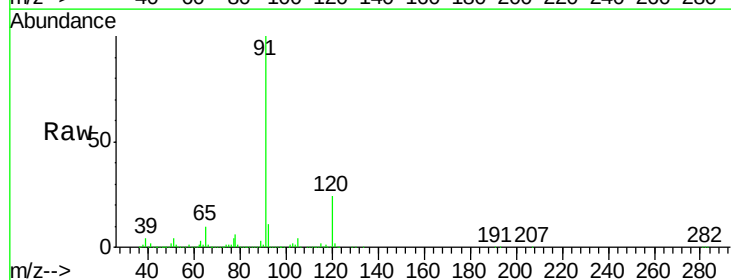
Manual Integrations
APPROVED

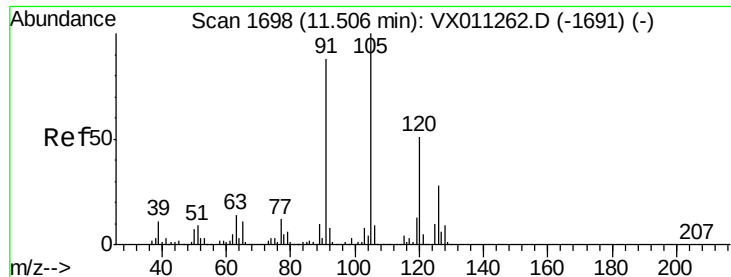
MMDadoda
8/14/2019 11:31:41 AM



#78
n-propylbenzene
Concen: 51.475 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion: 91 Resp: 598675
Ion Ratio Lower Upper
91 100
120 23.9 12.4 37.0





#80

1,3,5-Trimethylbenzene

Concen: 52.064 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

Z3-0672

Tot Ion:105 Resp: 455812

Ion Ratio Lower Upper

105 100

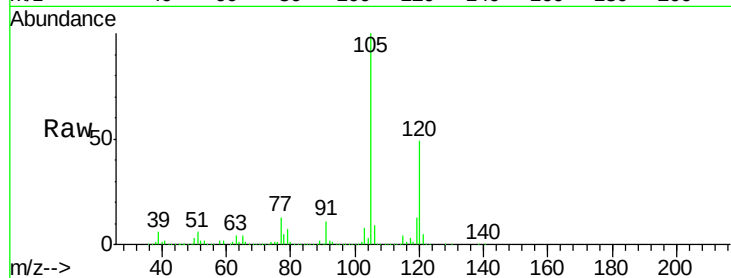
120 49.1 25.1 75.2

Manual Integrations

APPROVED

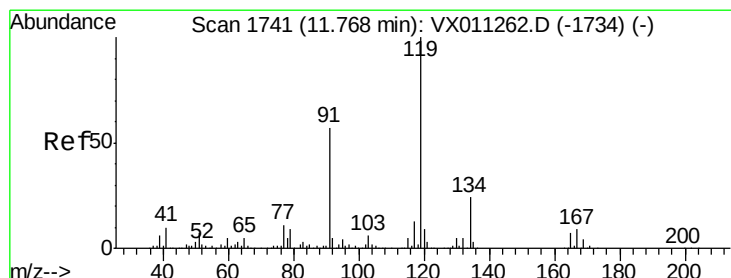
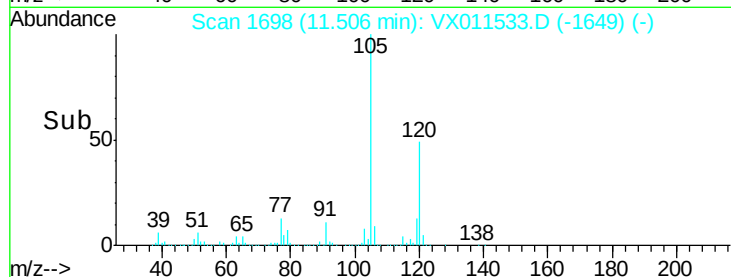
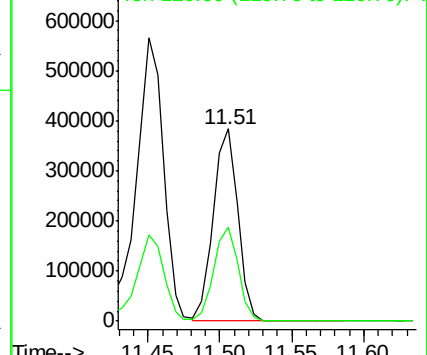
MMDadoda

8/14/2019 11:31:41 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.917 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

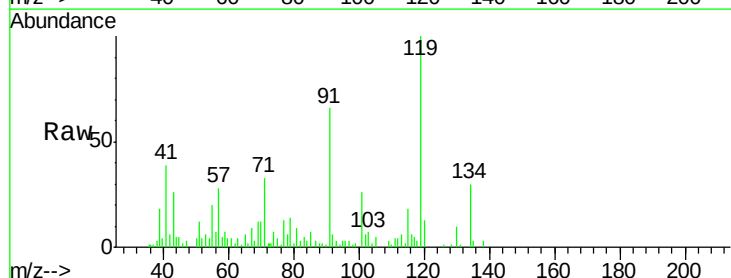
Tgt Ion:119 Resp: 7872

Ion Ratio Lower Upper

119 100

91 4695.6 28.0 84.0#

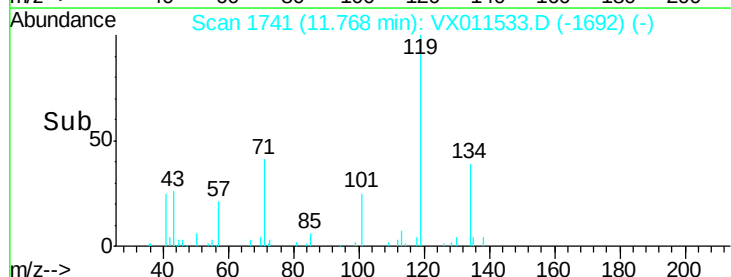
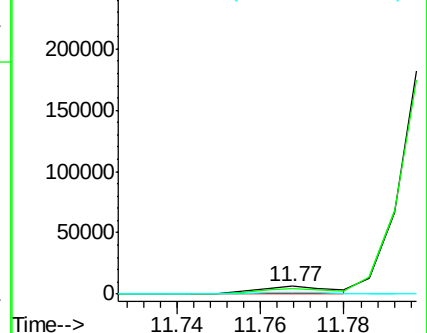
134 0.0 11.9 35.5#

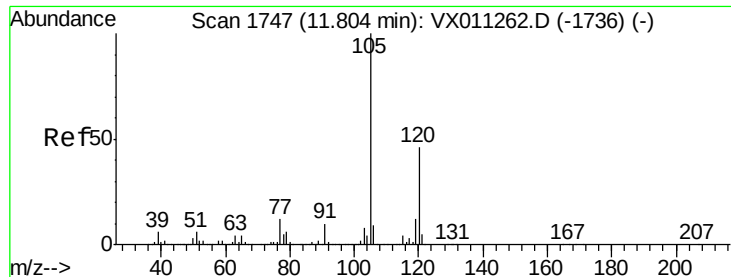


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 388.267 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011533.D

Acq: 13 Aug 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

Z3-0672

Tot Ion:105 Resp: 3384318

Ion Ratio Lower Upper

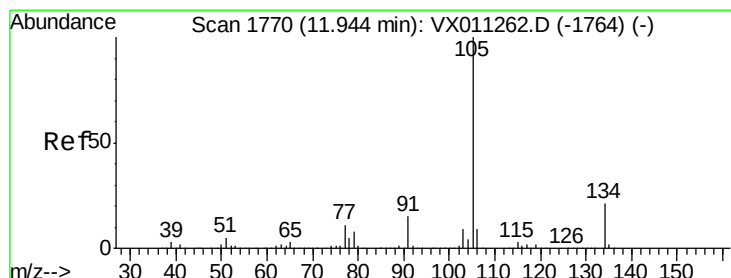
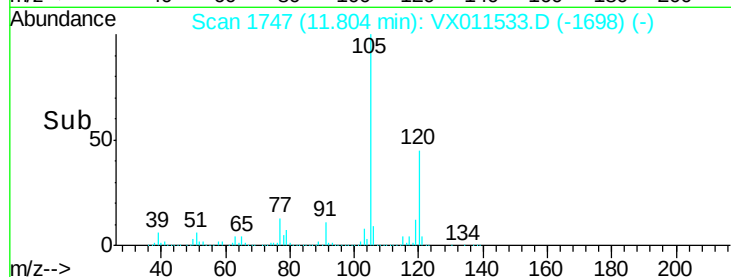
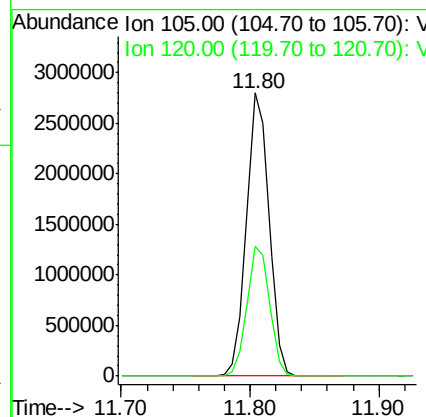
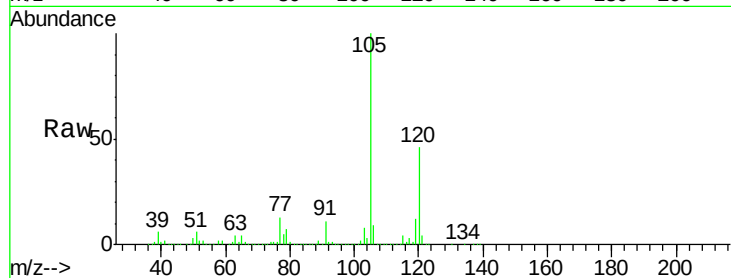
105 100

120 46.1 23.0 69.0

Manual Integrations
APPROVED

MMDadoda

8/14/2019 11:31:41 AM



#85

sec-Butylbenzene

Concen: 9.533 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011533.D

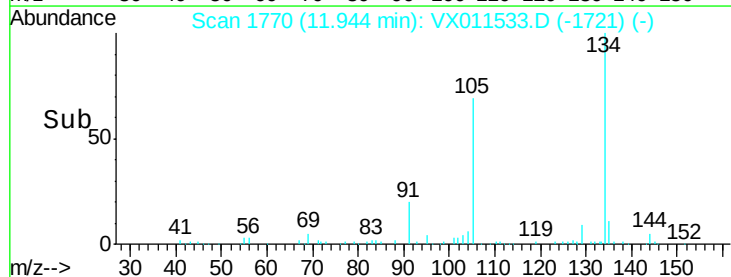
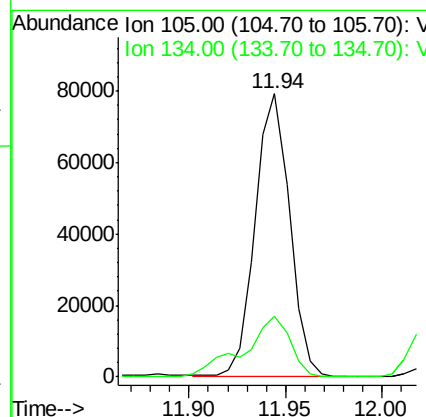
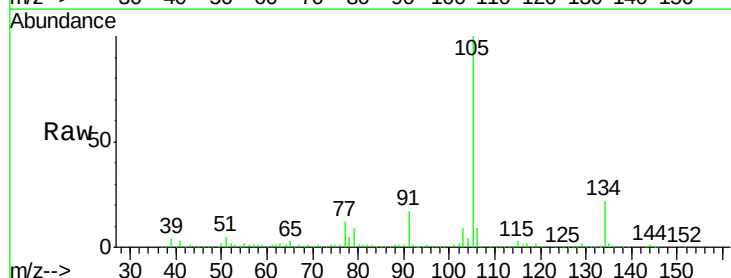
Acq: 13 Aug 2019 14:07

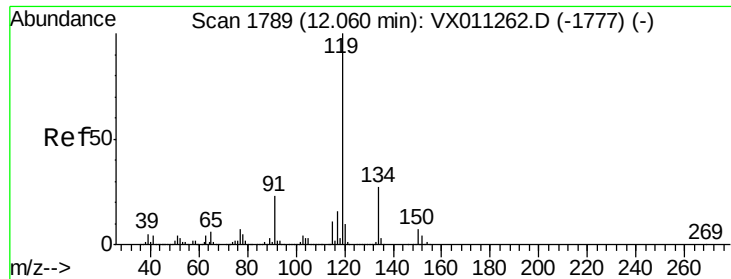
Tgt Ion:105 Resp: 98342

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#





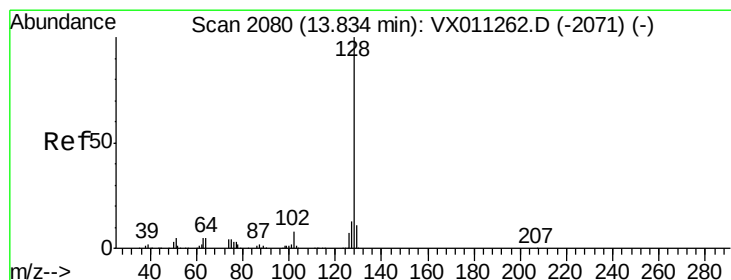
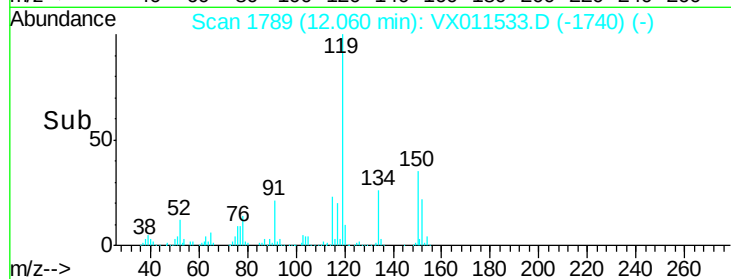
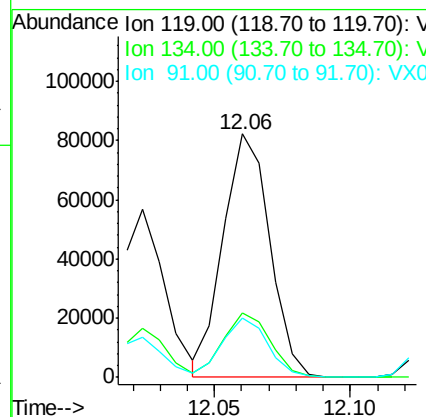
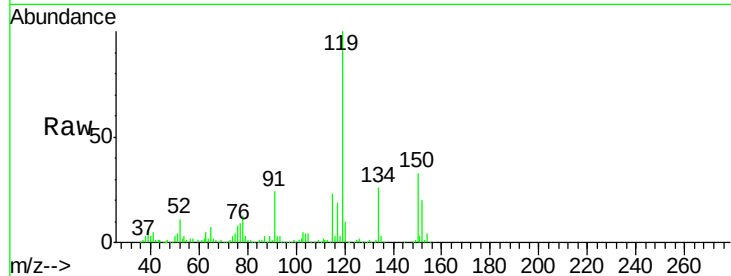
#86
p-Isopropyltoluene
Concen: 10.268 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Instrument :
MSVOA_X
ClientSampled :
Z3-0672

Tot Ion	Ratio	Resp	Lower	Upper
119	100	97448		
134	26.6		13.7	41.0
91	23.8		11.4	34.2

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:41 AM



#95
Naphthalene
Concen: 63.000 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011533.D
Acq: 13 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	629060		
127	13.2		10.4	15.6
129	11.5		8.9	13.3

