

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX080919\
 Data File : VX011407.D
 Acq On : 09 Aug 2019 14:08
 Operator : JC/SP
 Sample : K4279-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668

Manual Integrations
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 8/12/2019 12:50:13 PM

Quant Time: Aug 11 00:33:02 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	213337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	135086	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	107658	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
35) Dibromofluoromethane	5.49	113	89891	45.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.94%	
50) Toluene-d8	8.71	98	354922	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.13	95	123013	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	1147m	1.122	ug/l	
31) Cyclohexane	5.57	56	181861	65.732	ug/l	99
39) Methylcyclohexane	7.46	83	70160	22.389	ug/l	98
40) Benzene	6.13	78	44827	5.682	ug/l	98
52) Toluene	8.79	92	1588	0.304	ug/l	95
67) Ethyl Benzene	10.25	91	1511744	158.103	ug/l	99
68) m/p-Xylenes	10.36	106	33577	9.079	ug/l	98
69) o-Xylene	10.69	106	4476	1.232	ug/l	97
73) Isopropylbenzene	11.02	105	153714	16.638	ug/l	99
78) n-propylbenzene	11.36	91	190829	18.573	ug/l	99
83) tert-Butylbenzene	11.77	119	3172m	0.418	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	1067105	138.583	ug/l	100
85) sec-Butylbenzene	11.94	105	19504m	2.140	ug/l	
86) p-Isopropyltoluene	12.06	119	5812	0.693	ug/l #	77
89) n-Butylbenzene	12.38	91	5306m	0.735	ug/l	
95) Naphthalene	13.83	128	525377	59.561	ug/l	100

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

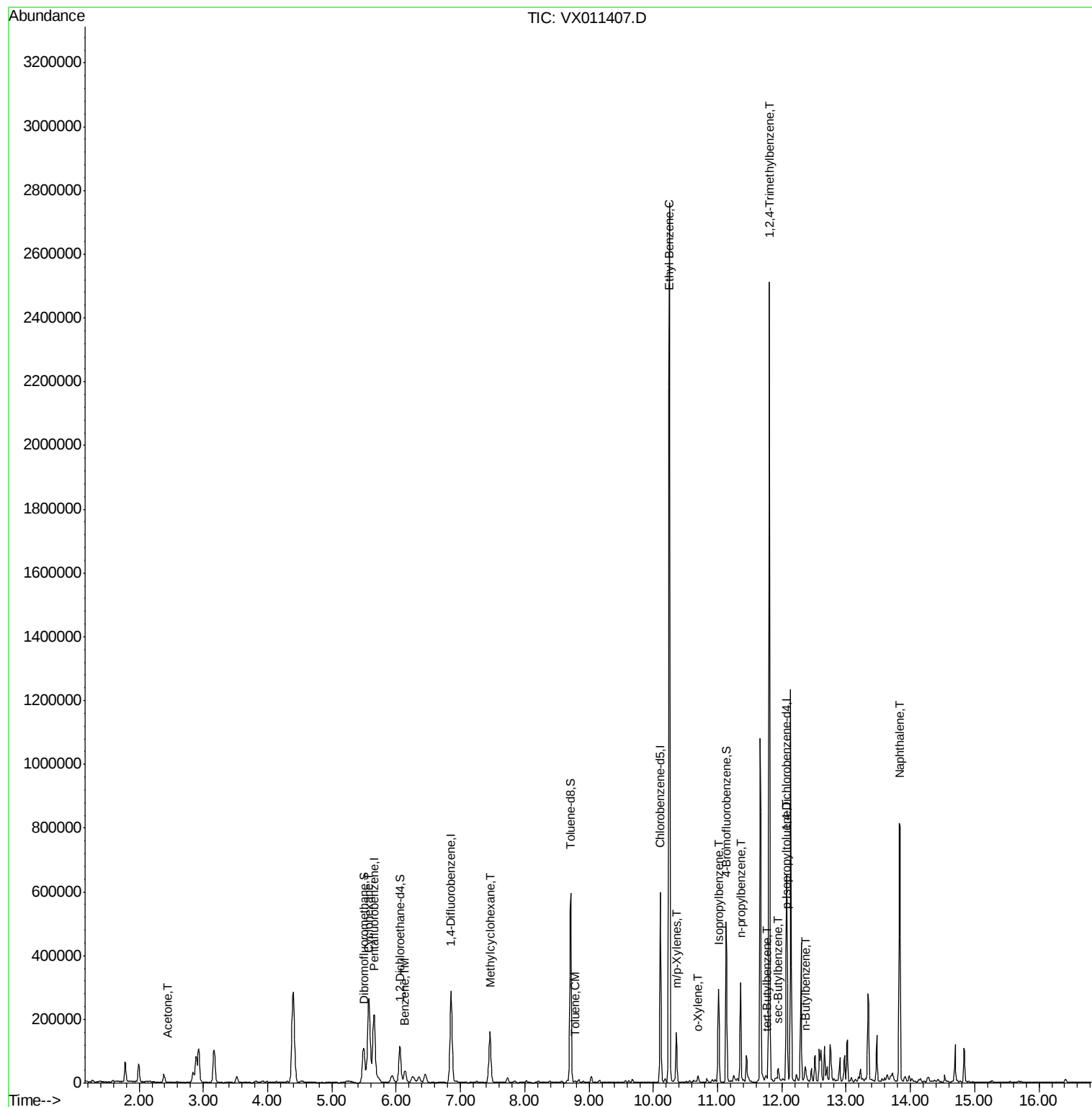
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
Data File : VX011407.D
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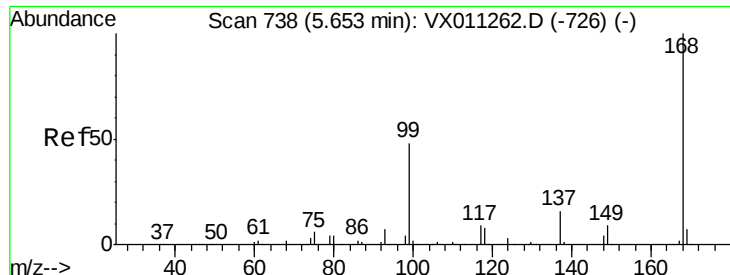
Instrument :
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Quant Time: Aug 11 00:33:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

Z3-0668

Tot Ion:168 Resp: 213337

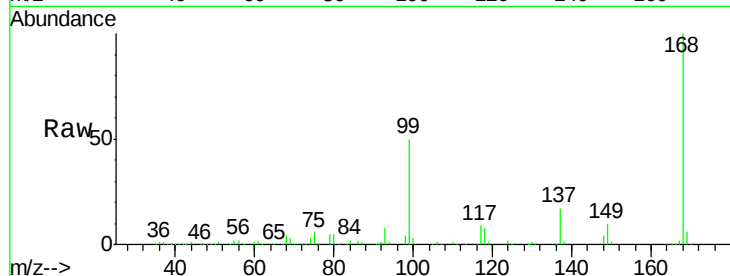
Ion Ratio Lower Upper

168 100

99 49.4 38.5 57.7

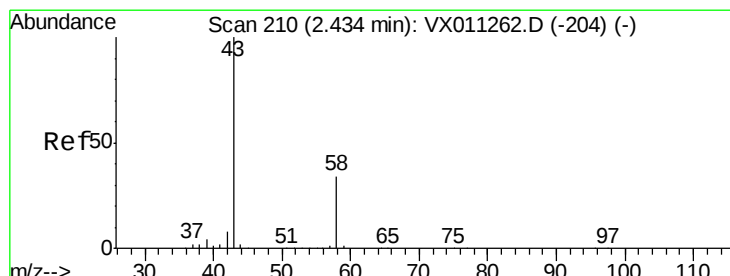
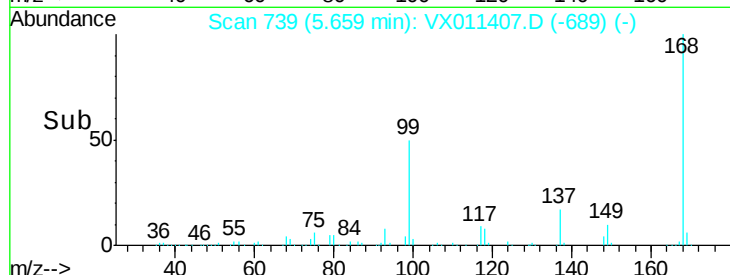
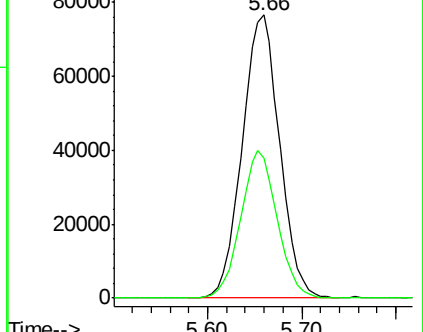
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.122 ug/l m

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011407.D

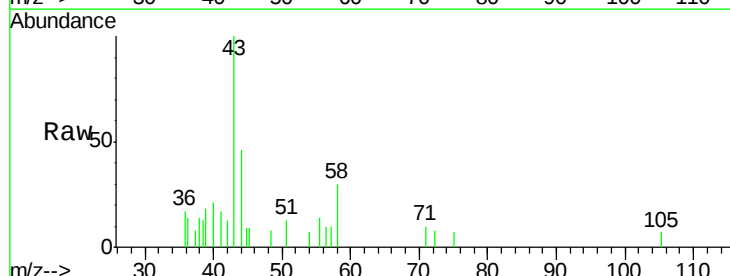
Acq: 09 Aug 2019 14:08

Tgt Ion: 43 Resp: 1147

Ion Ratio Lower Upper

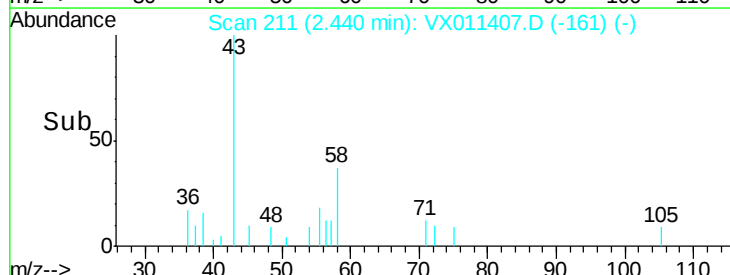
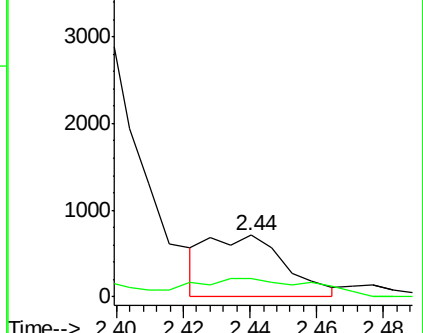
43 100

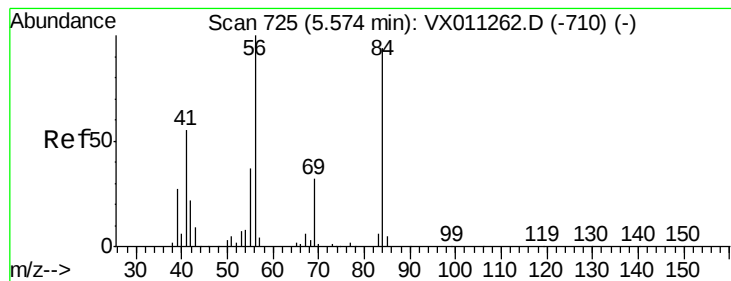
58 30.0 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 65.732 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Instrument :

MSVOA_X

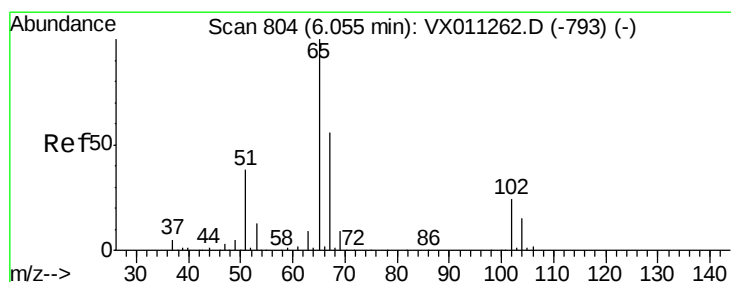
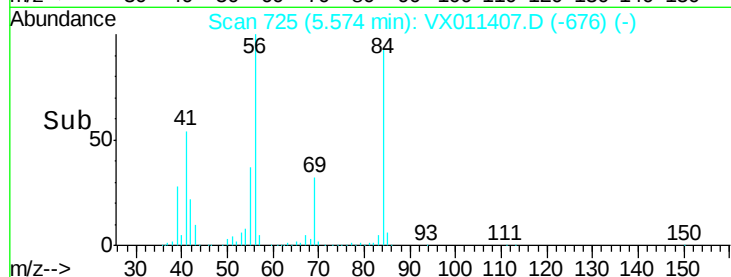
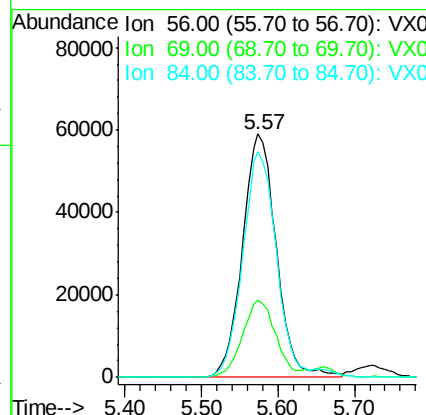
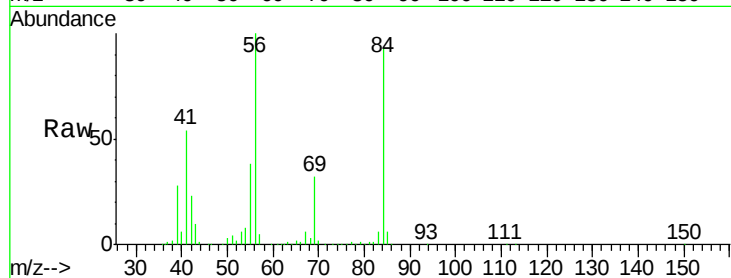
ClientSampleId :

Z3-0668

Tot Ion:	56	Resp:	181861
Ion Ratio	Lower	Upper	
56	100		
69	31.4	25.5	38.3
84	92.7	75.0	112.4

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#33

1,2-Dichloroethane-d4

Concen: 50.110 ug/l

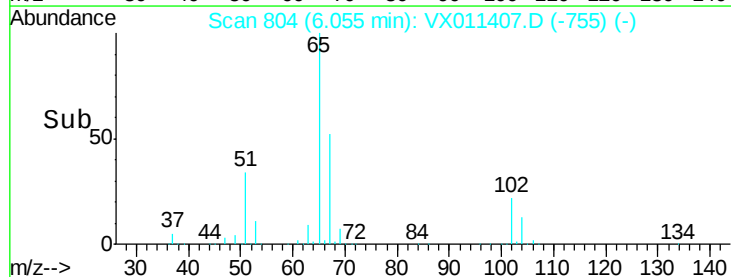
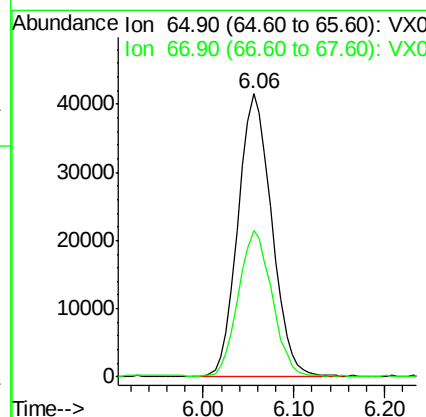
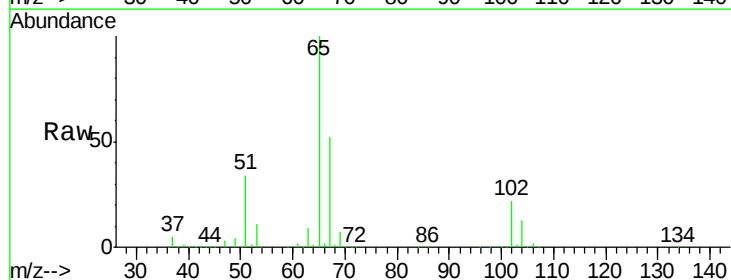
RT: 6.06 min Scan# 804

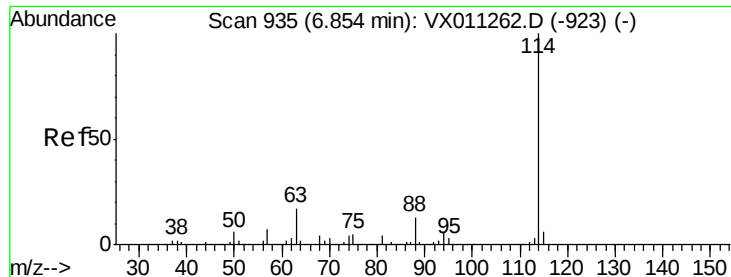
Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Tgt Ion:	65	Resp:	107658
Ion Ratio	Lower	Upper	
65	100		
67	51.1	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: VX011407.D

Acq: 09 Aug 2019 14:08

Instrument :

MSVOA_X

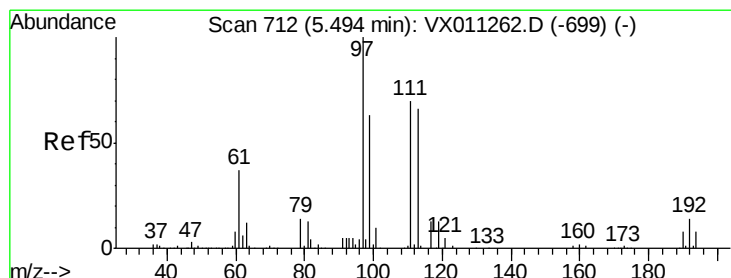
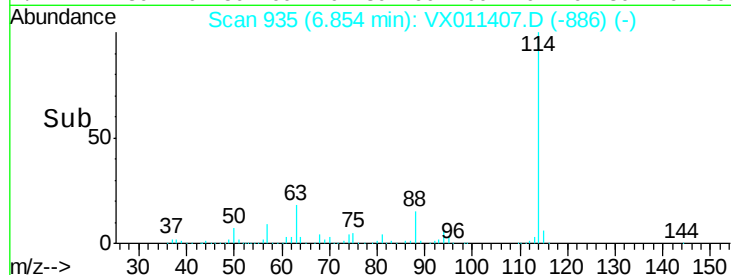
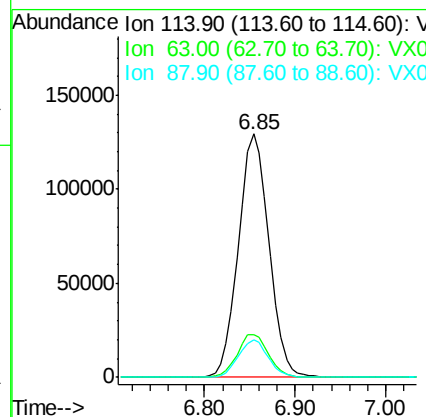
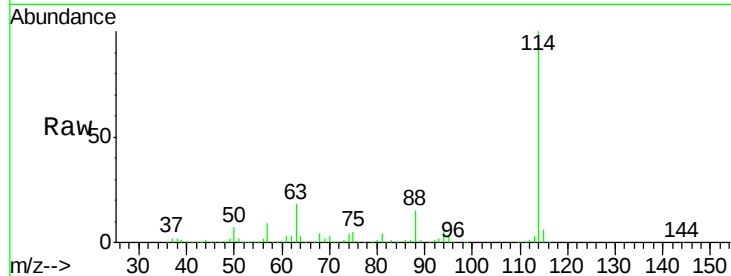
ClientSampleId :

Z3-0668

Tot Ion:	114	Resp:	302803
Ion Ratio	Lower	Upper	
114	100		
63	17.5	0.0	34.0
88	15.3	0.0	26.4

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#35

Dibromofluoromethane

Concen: 45.470 ug/l

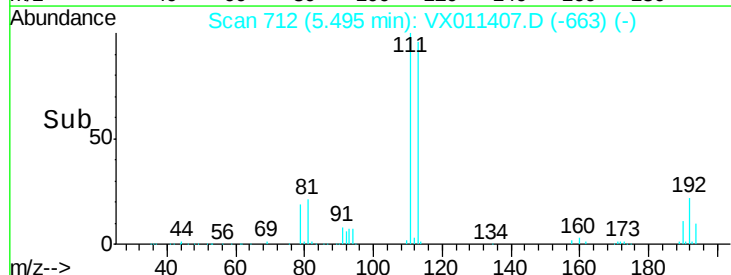
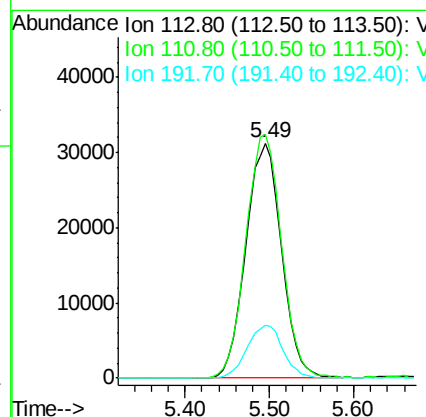
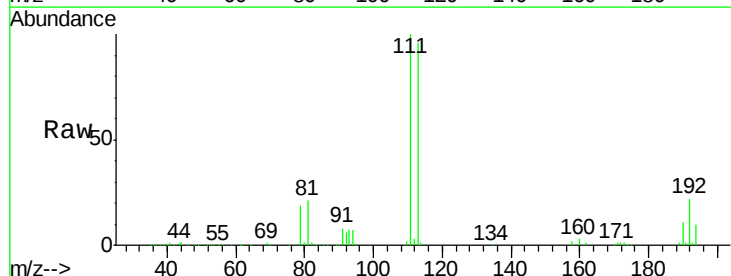
RT: 5.49 min Scan# 712

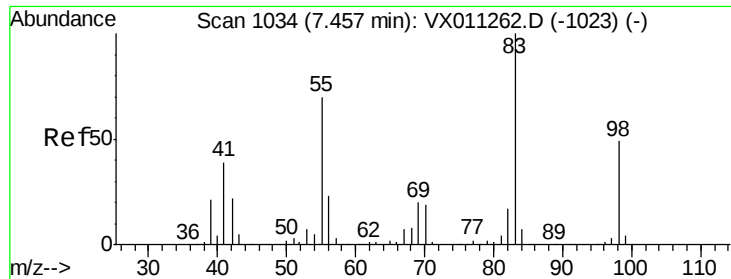
Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Tgt Ion:	113	Resp:	89891
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.9	122.9
192	22.7	17.8	26.8





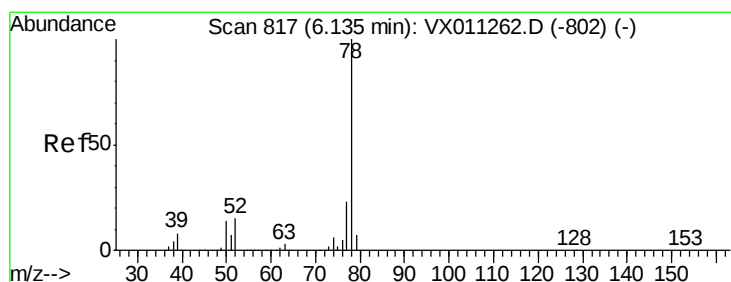
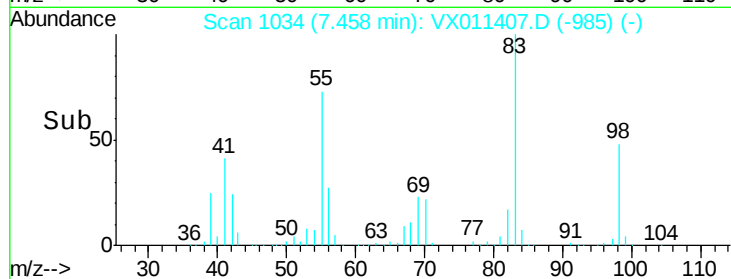
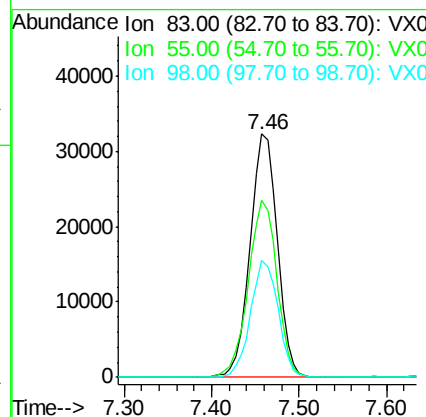
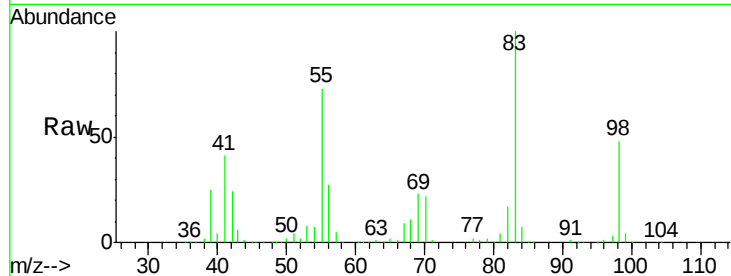
#39
Methvlcvclohexane
Concen: 22.389 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampled :
Z3-0668

Tot Ion	83	Resp	70160
Ion Ratio	100	Lower	Upper
83	100		
55	72.8	56.1	84.1
98	47.9	39.0	58.4

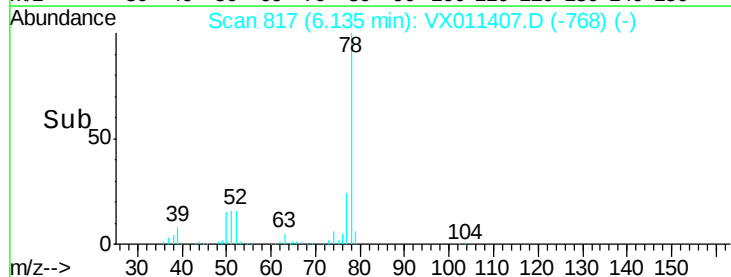
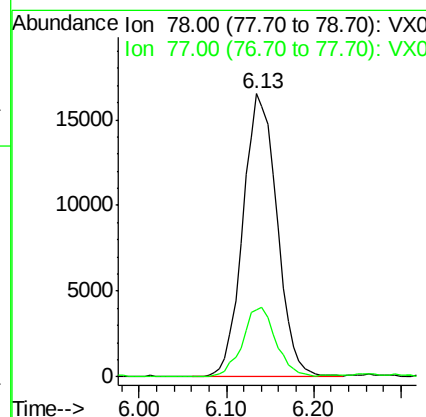
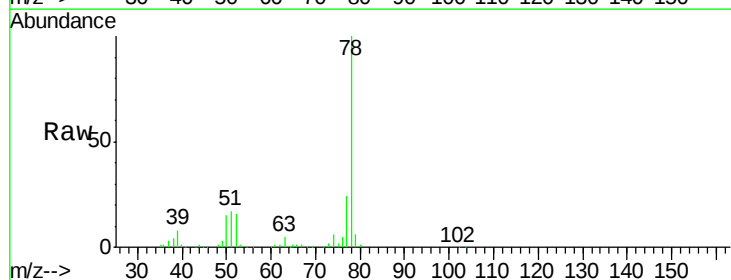
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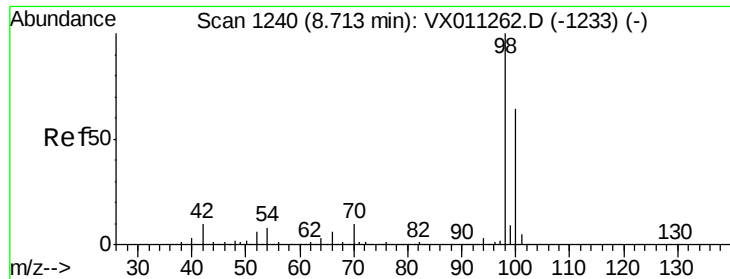
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#40
Benzene
Concen: 5.682 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Tgt Ion	78	Resp	44827
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.2	27.2





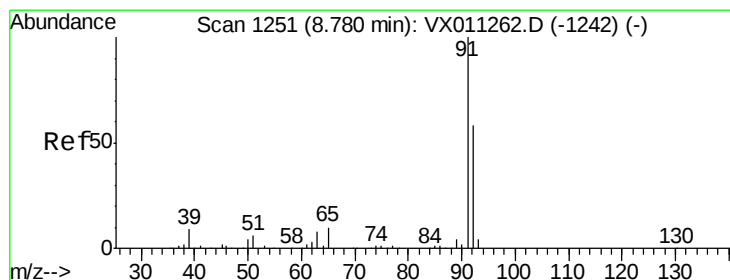
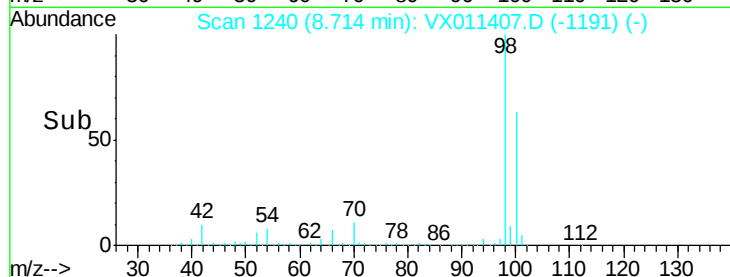
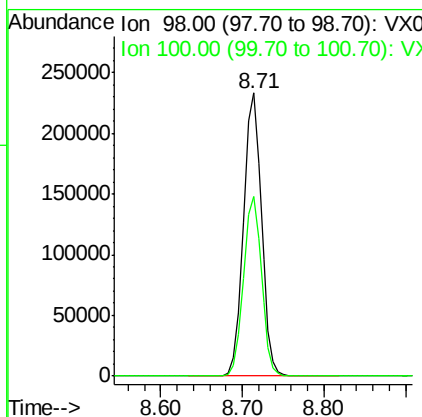
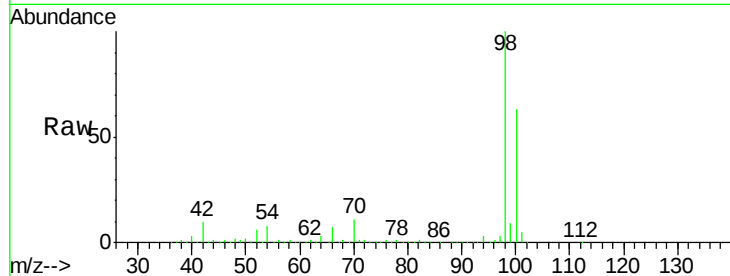
#50
Toluene-d8
Concen: 47.562 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampled :
Z3-0668

Tot Ion: 98 Resp: 354922
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

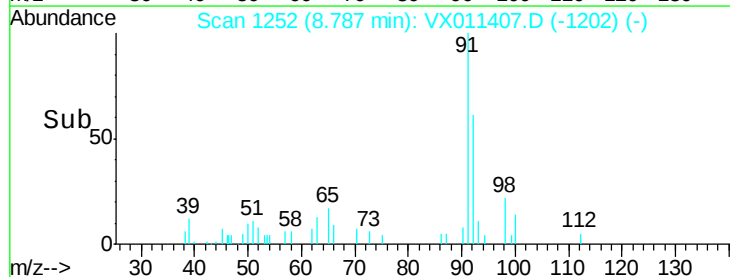
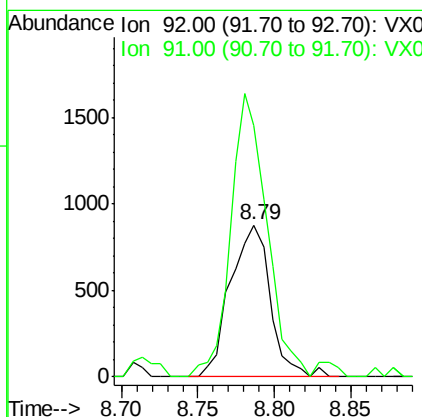
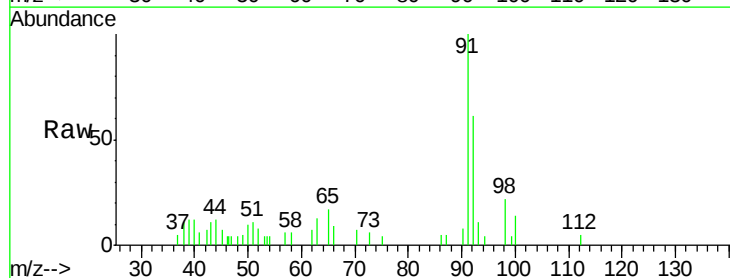
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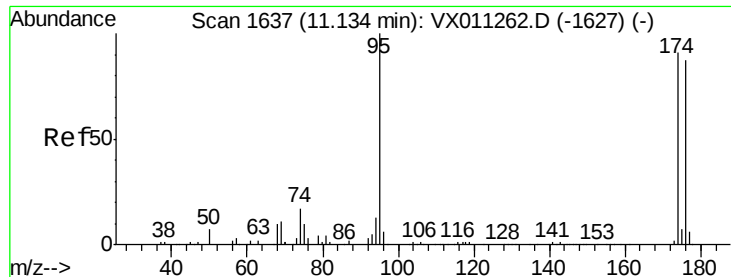
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#52
Toluene
Concen: 0.304 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Tgt Ion: 92 Resp: 1588
Ion Ratio Lower Upper
92 100
91 167.7 139.4 209.0





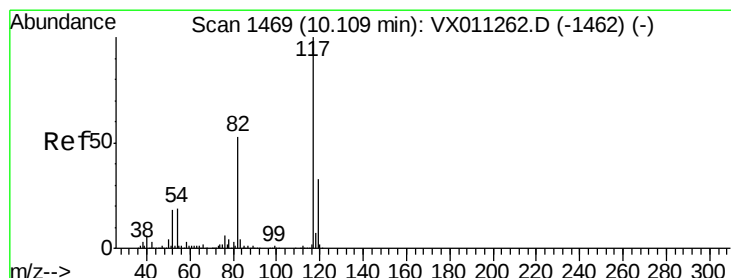
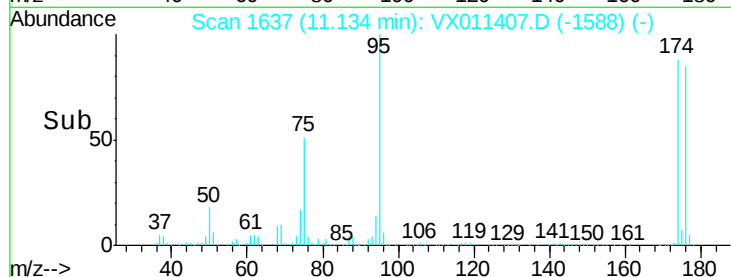
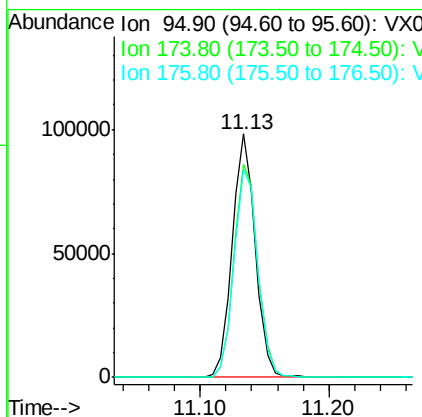
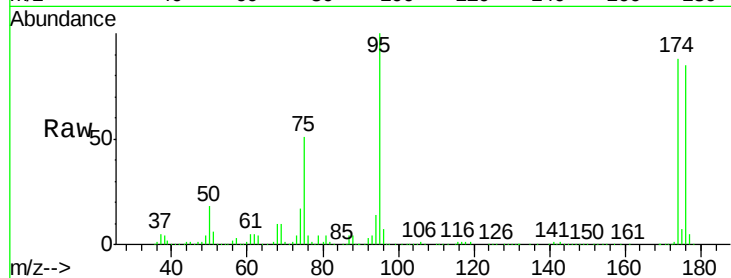
#62
4-Bromofluorobenzene
Concen: 46.172 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
95	100	123013		
174	90.3	0.0	191.2	
176	88.1	0.0	184.8	

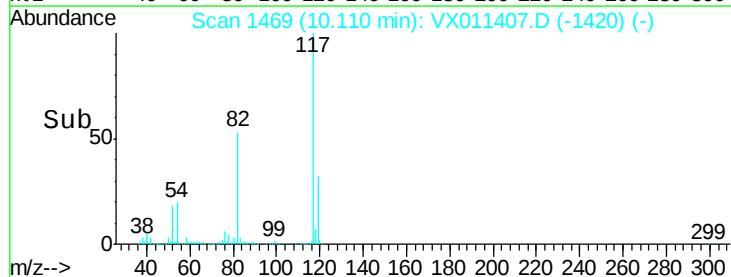
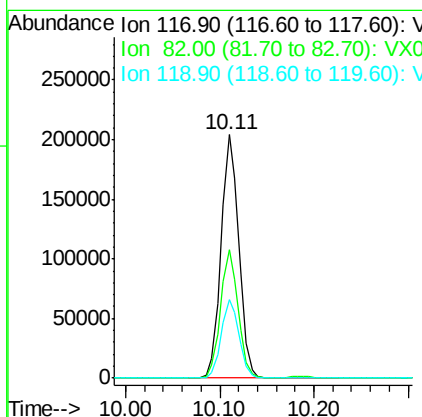
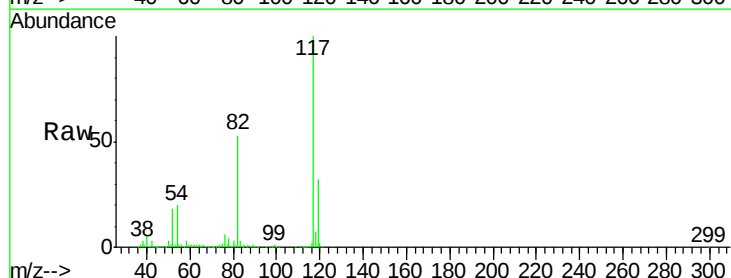
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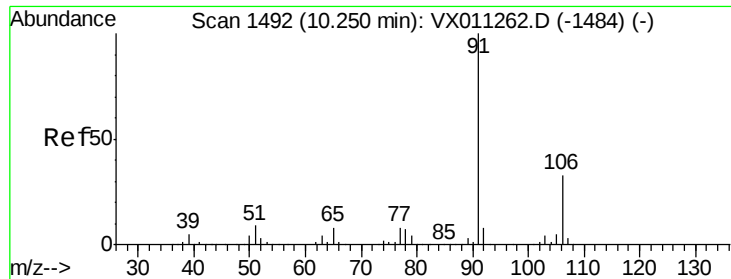
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	266280		
82	52.9	42.2	63.2	
119	32.3	26.6	39.8	





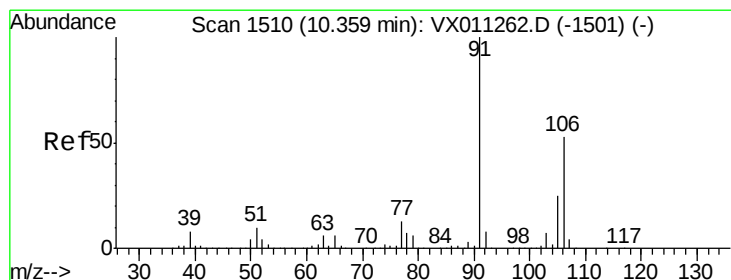
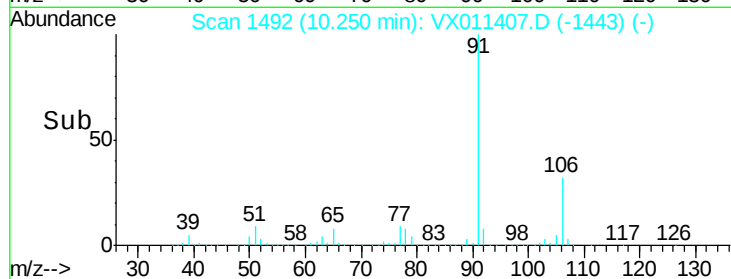
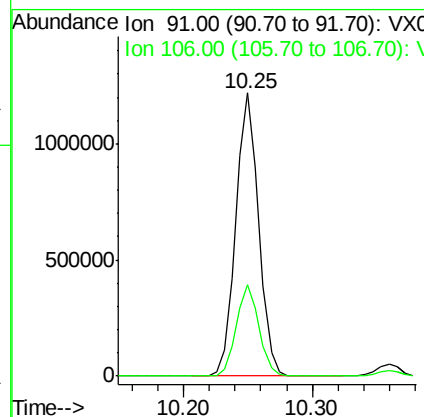
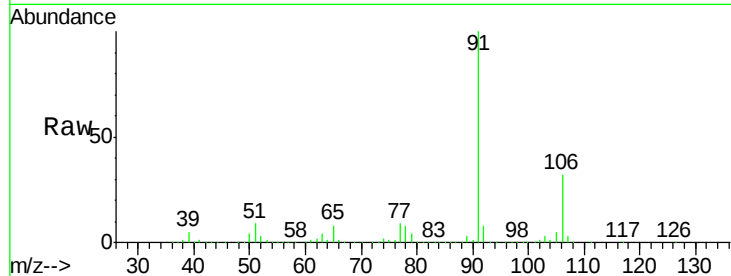
#67
Ethyl Benzene
Concen: 158.103 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampled :
Z3-0668

Tot Ion: 91 Resp: 1511744
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.4

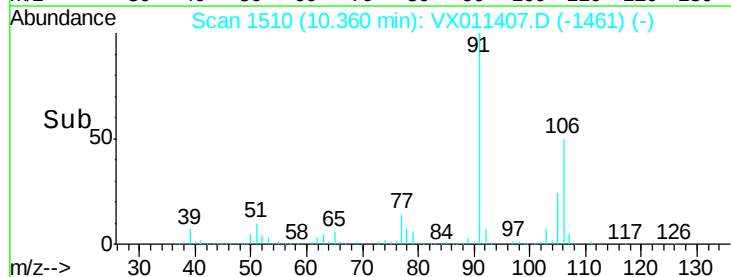
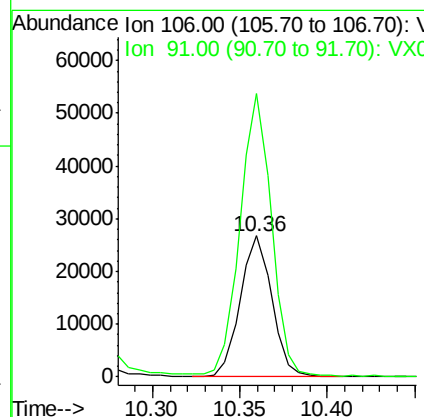
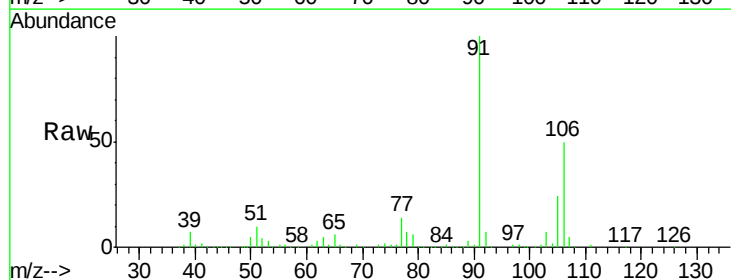
Manual Integrations
APPROVED

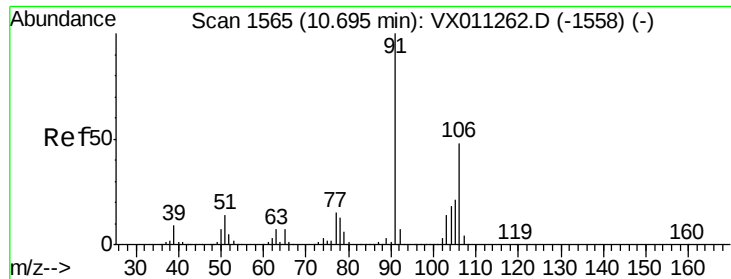
MMDadoda
8/12/2019 12:50:13 PM



#68
m/p-Xylenes
Concen: 9.079 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Tgt Ion: 106 Resp: 33577
Ion Ratio Lower Upper
106 100
91 198.6 155.9 233.9





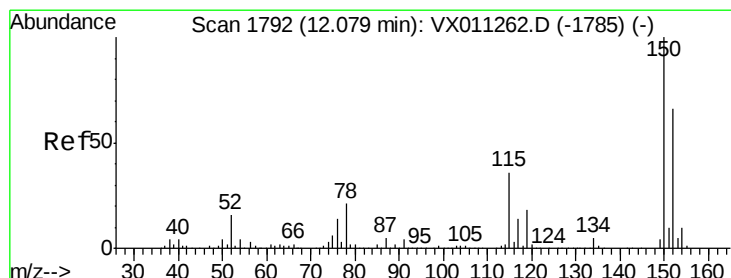
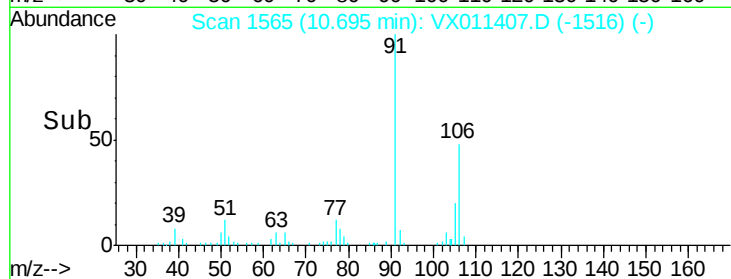
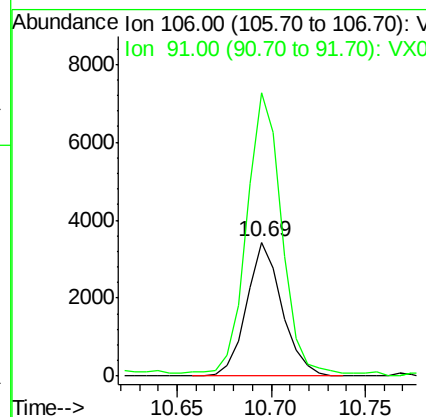
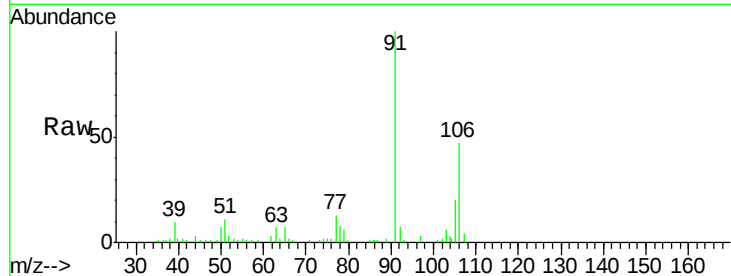
#69
o-Xylene
Concen: 1.232 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampled :
Z3-0668

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.5	103.8	311.3		

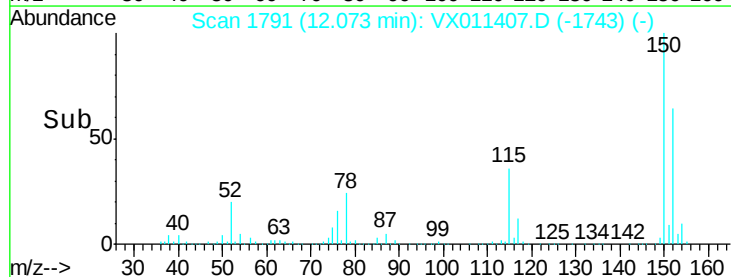
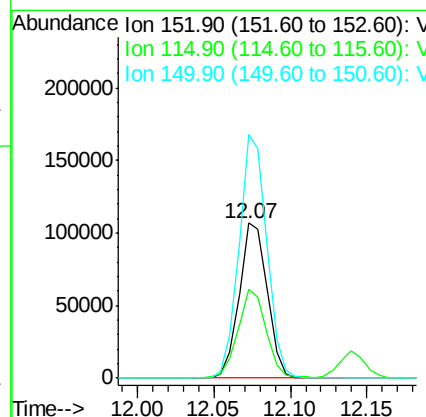
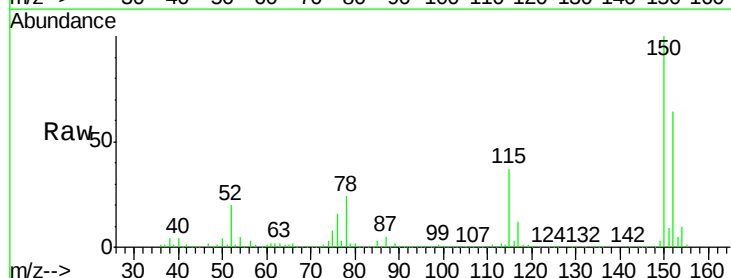
Manual Integrations
APPROVED

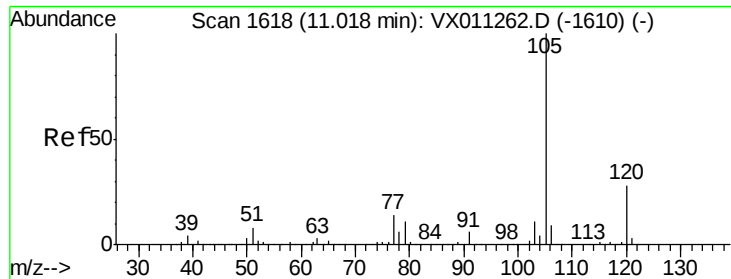
MMDadoda
8/12/2019 12:50:13 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011407.D
Acq: 09 Aug 2019 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	57.0	40.0	119.9		
150	156.1	0.0	350.4		





#73

Isopropylbenzene

Concen: 16.638 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

Z3-0668

Tot Ion:105 Resp: 153714

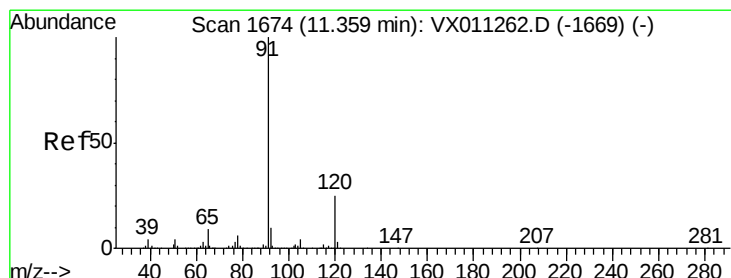
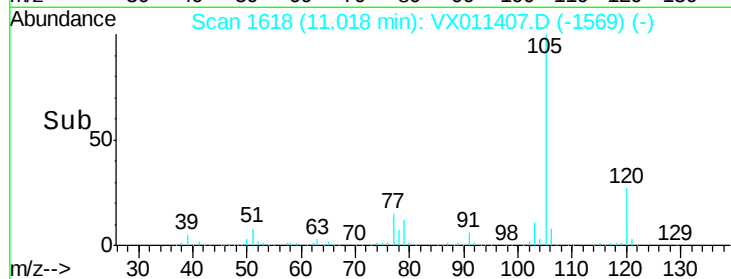
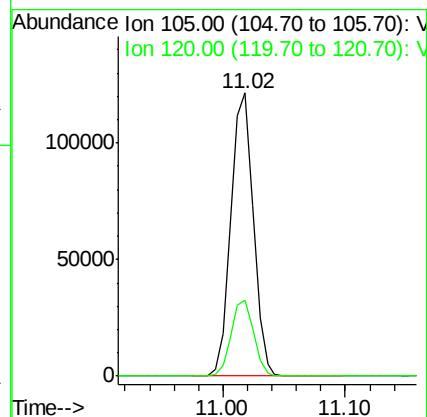
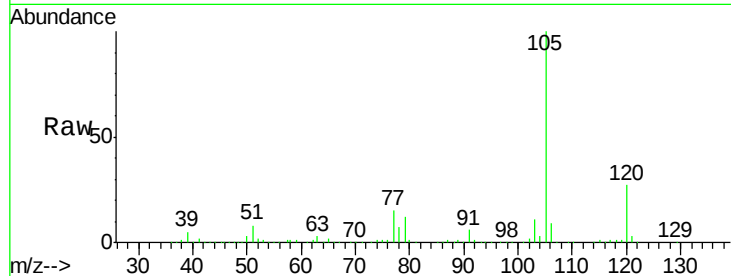
Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1

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#78

n-propylbenzene

Concen: 18.573 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011407.D

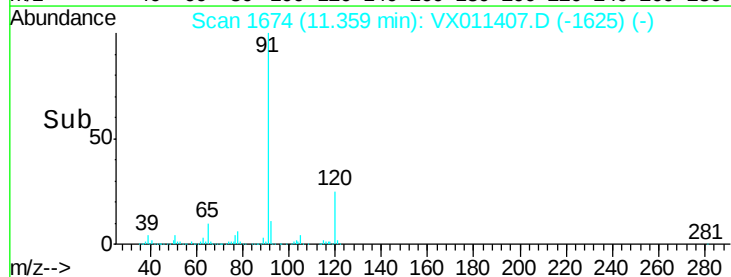
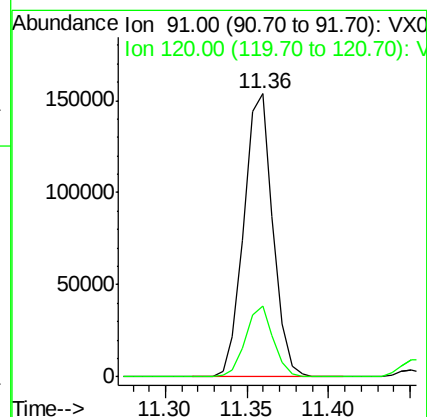
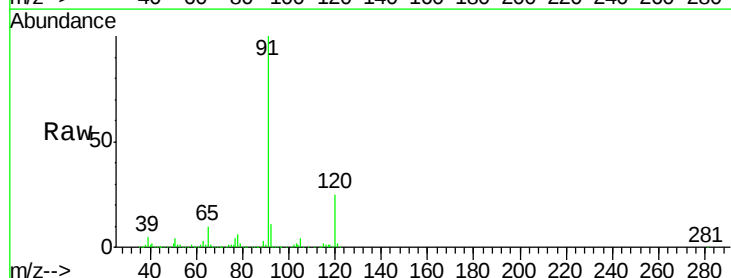
Acq: 09 Aug 2019 14:08

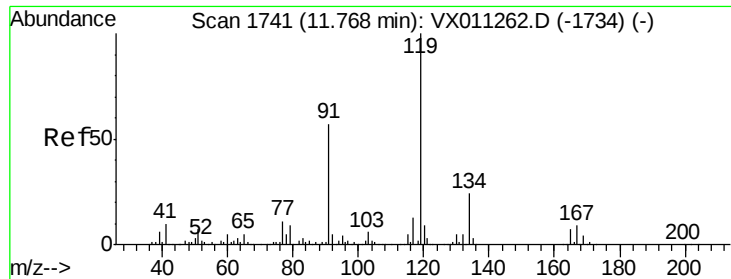
Tgt Ion: 91 Resp: 190829

Ion Ratio Lower Upper

91 100

120 24.1 12.4 37.0





#83

tert-Butylbenzene

Concen: 0.418 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

Z3-0668

Tot Ion:119 Resp: 3172

Ion Ratio Lower Upper

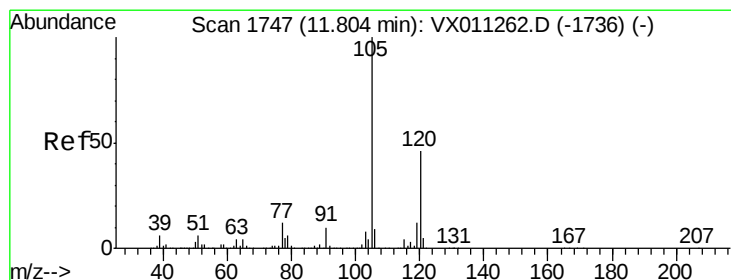
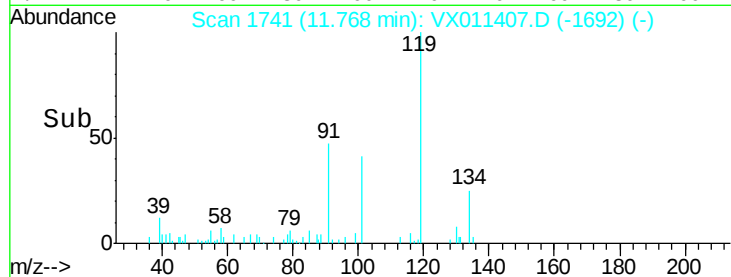
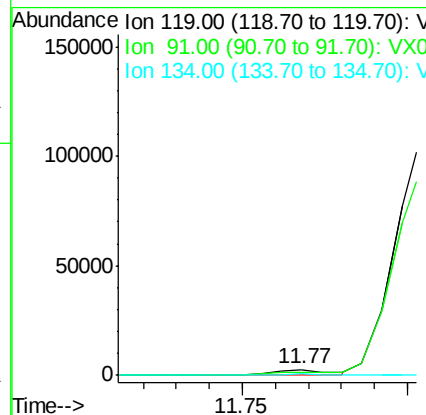
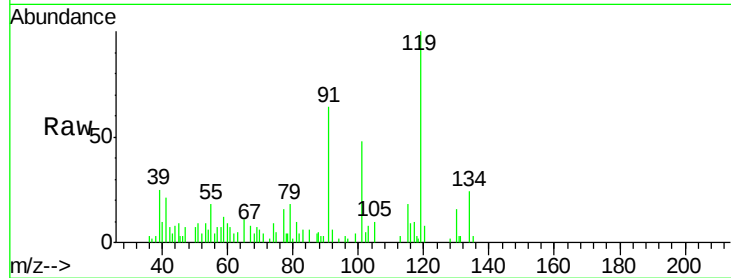
119 100

91 3633.8 28.0 84.0

134 0.0 11.9 35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 138.583 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011407.D

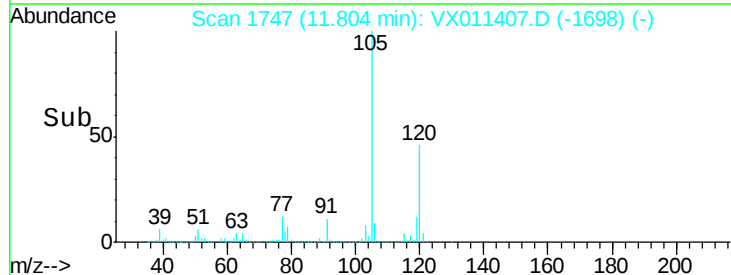
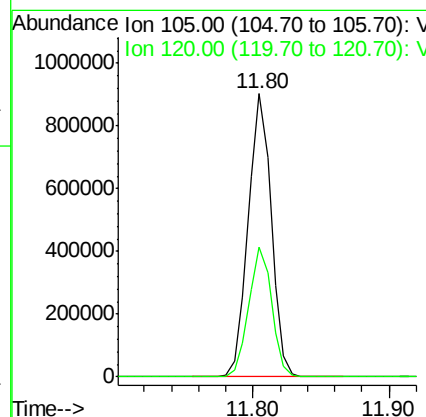
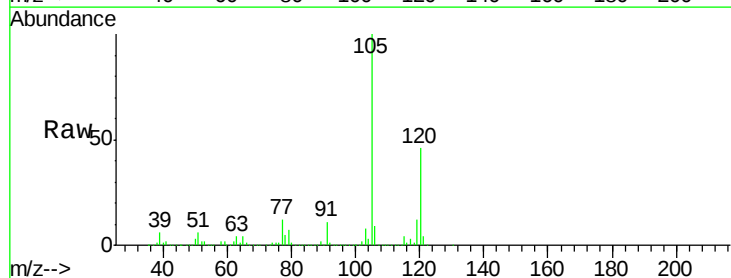
Acq: 09 Aug 2019 14:08

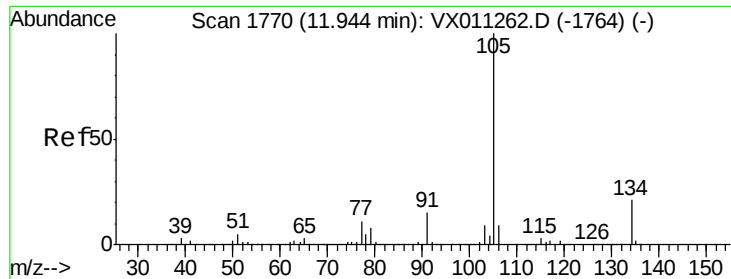
Tgt Ion:105 Resp: 1067105

Ion Ratio Lower Upper

105 100

120 45.9 23.0 69.0





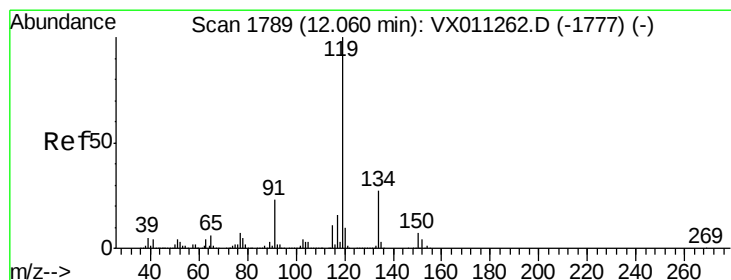
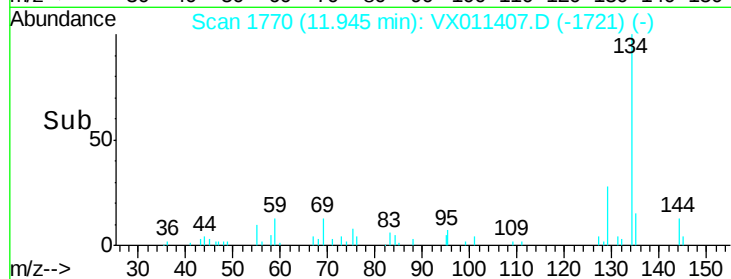
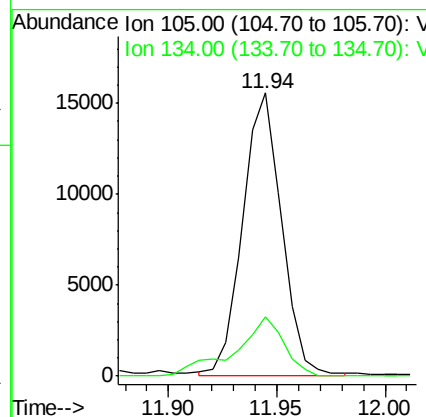
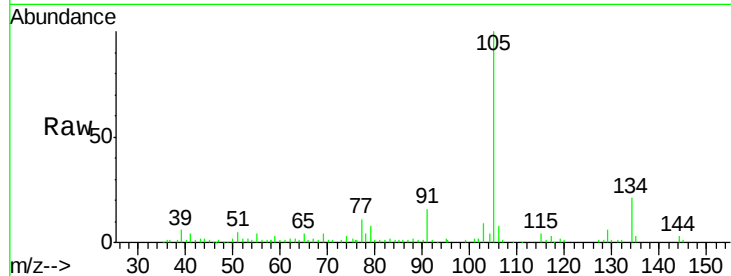
#85
 sec-Butylbenzene
 Concen: 2.140 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011407.D
 Acq: 09 Aug 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0668

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.4#

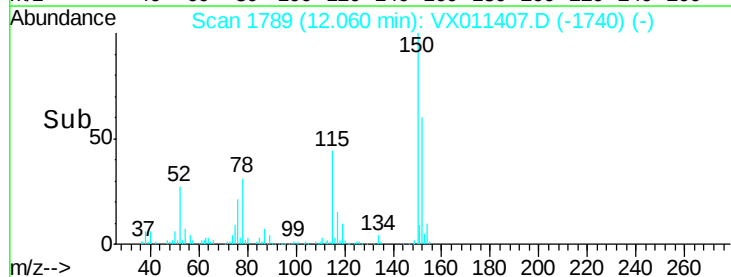
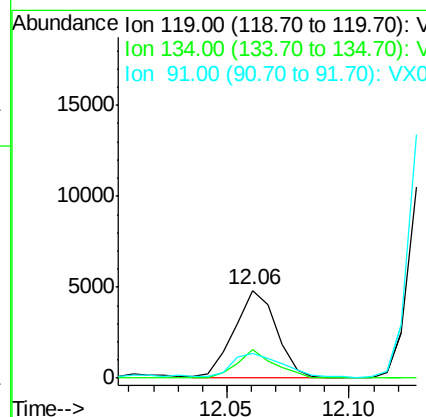
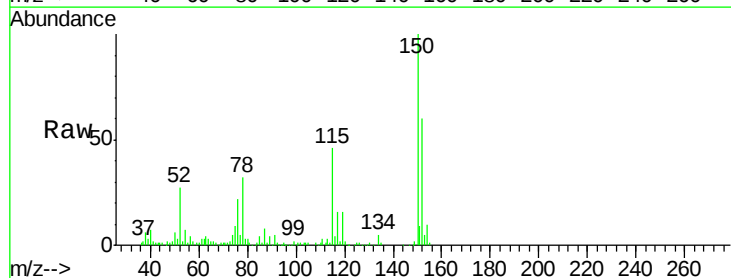
Manual Integrations
 APPROVED

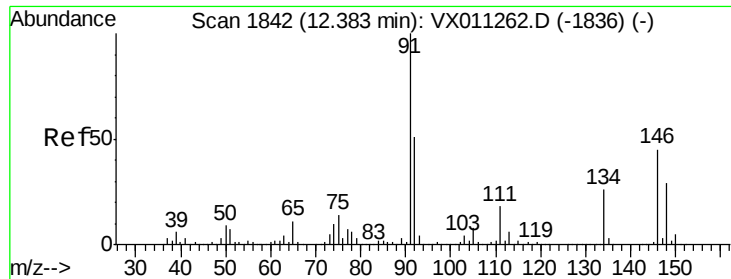
MMDadoda
 8/12/2019 12:50:13 PM



#86
 p-Isopropyltoluene
 Concen: 0.693 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011407.D
 Acq: 09 Aug 2019 14:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.3	13.7	41.0
91	0.0	11.4	34.2#





#89

n-Butylbenzene

Concen: 0.735 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Instrument :

MSVOA_X

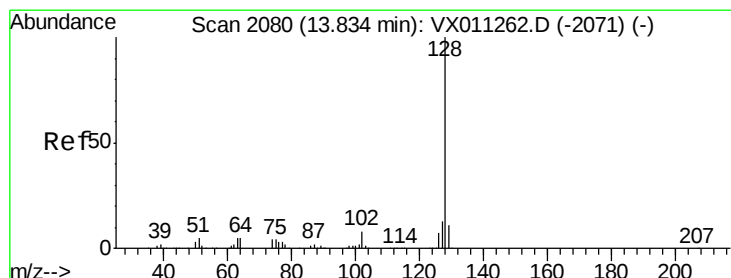
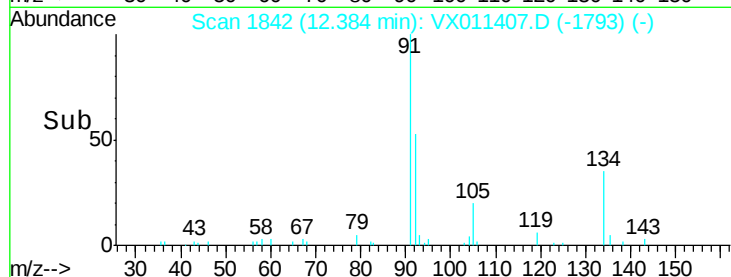
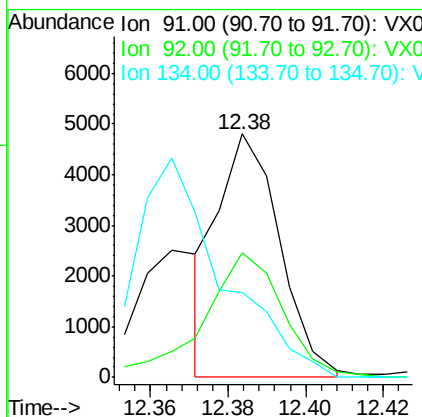
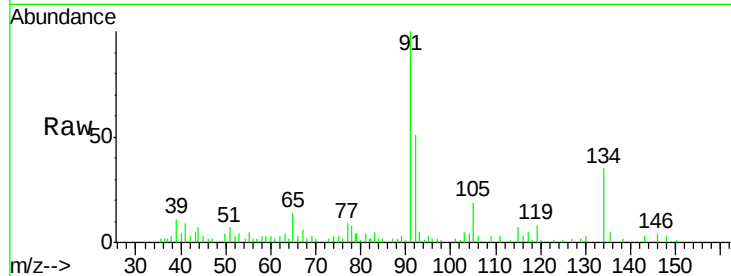
ClientSampled :

Z3-0668

Tot Ion:	91	Resp:	5306
Ion	Ratio	Lower	Upper
91	100		
92	66.7	25.8	77.3
134	128.4	13.7	41.0#

Manual Integrations
APPROVED

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#95

Naphthalene

Concen: 59.561 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011407.D

Acq: 09 Aug 2019 14:08

Tgt Ion:	128	Resp:	525377
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.9	13.3

