

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081619\
 Data File : VX011585.D
 Acq On : 16 Aug 2019 16:48
 Operator : JC/SP
 Sample : K4368-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0139

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:30:37 AM

Quant Time: Aug 19 03:23:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	468509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	636510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	572458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	301518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	212767	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	5.49	113	187925	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
50) Toluene-d8	8.71	98	743941	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
62) 4-Bromofluorobenzene	11.13	95	264474	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	6112634	948.839	ug/l	97
39) Methylcyclohexane	7.46	83	3750820	558.109	ug/l	98
40) Benzene	6.14	78	29031	1.717	ug/l	95
52) Toluene	8.78	92	173646	16.117	ug/l	100
67) Ethyl Benzene	10.25	91	17102946	839.312	ug/l #	66
68) m/p-Xylenes	10.37	106	19963911	2552.311	ug/l #	1
69) o-Xylene	10.70	106	6587130	859.736	ug/l	85
73) Isopropylbenzene	11.02	105	2009841	102.726	ug/l	100
78) n-propylbenzene	11.36	91	2317358	109.843	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3180131	193.493	ug/l	100
83) tert-Butylbenzene	11.77	119	18865m	1.127	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	8320641	504.286	ug/l	96
85) sec-Butylbenzene	11.94	105	206195m	10.918	ug/l	
86) p-Isopropyltoluene	12.06	119	216179	12.167	ug/l	99
89) n-Butylbenzene	12.38	91	192390	13.171	ug/l #	25
95) Naphthalene	13.83	128	4650525	219.818	ug/l	99

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

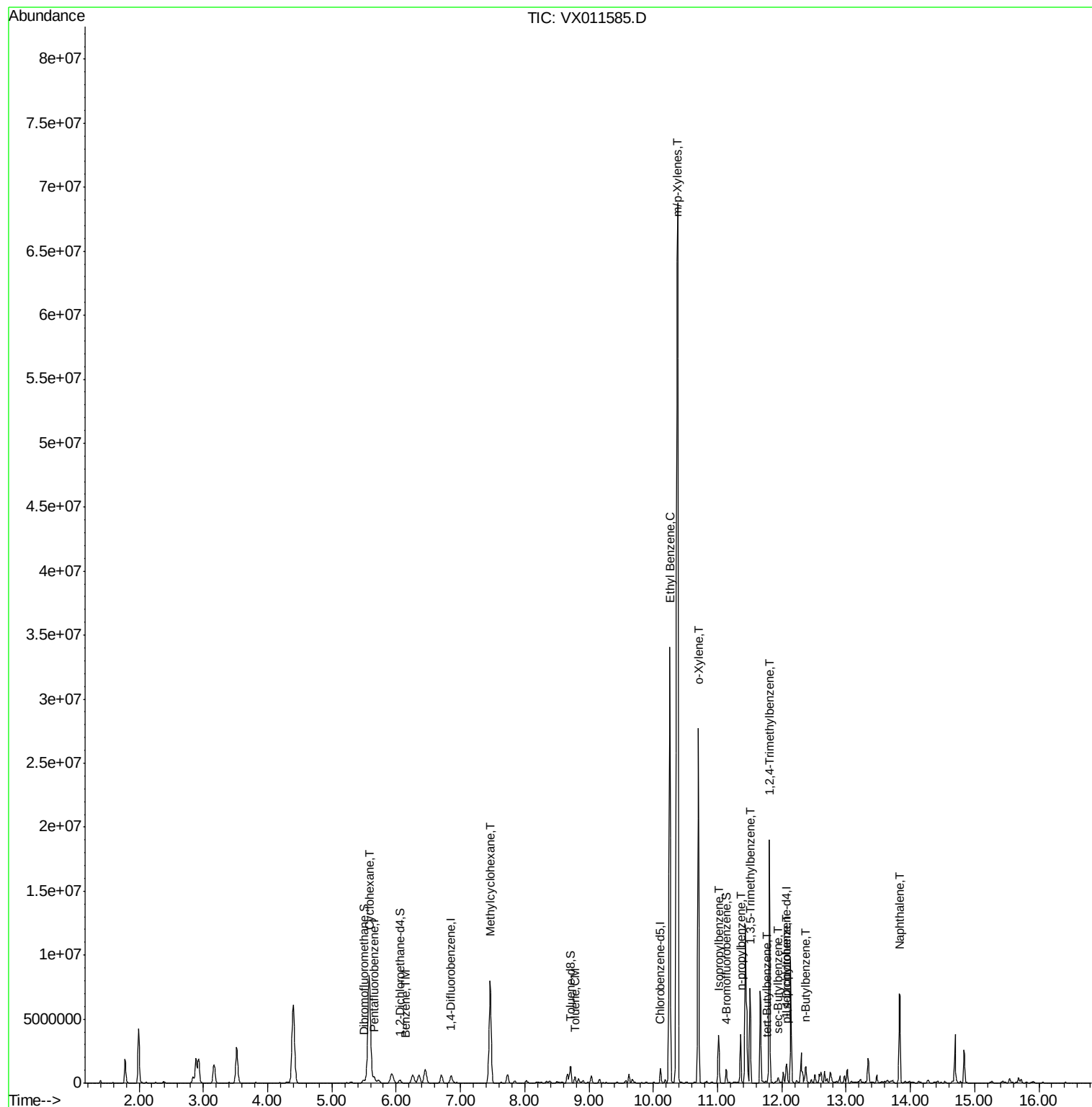
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081619\
Data File : VX011585.D
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Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
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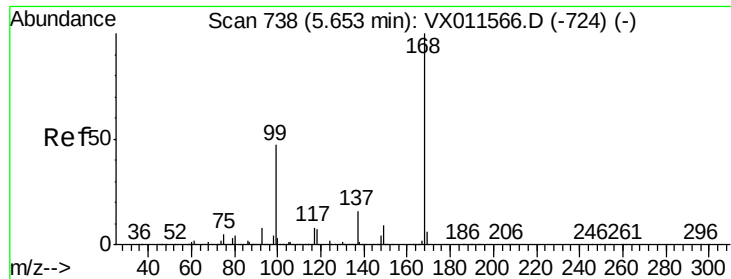
Instrument :
MSVOA_X
ClientSampleId :
PH2-0139

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Quant Time: Aug 19 03:23:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

PH2-0139

Tot Ion:168 Resp: 468509

Ion Ratio Lower Upper

168 100

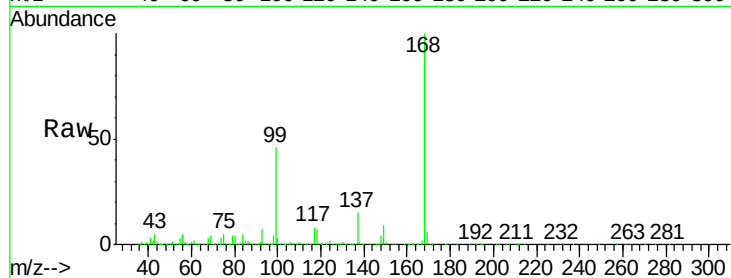
99 45.4 37.3 55.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

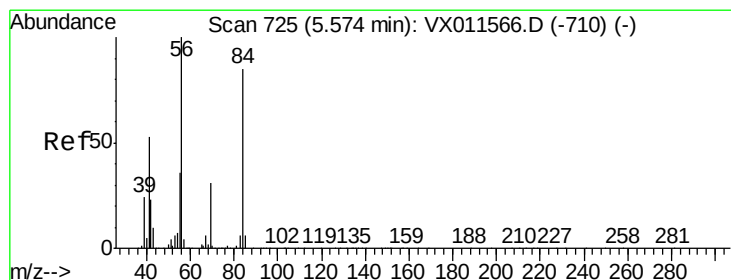
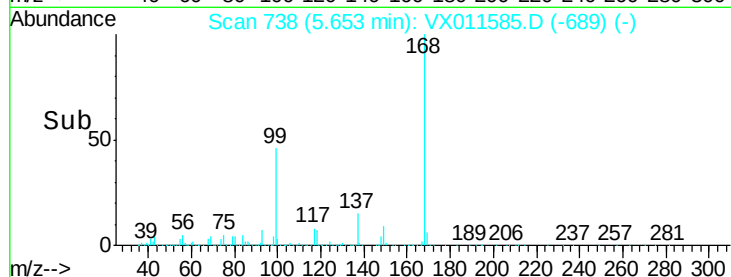
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 948.839 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

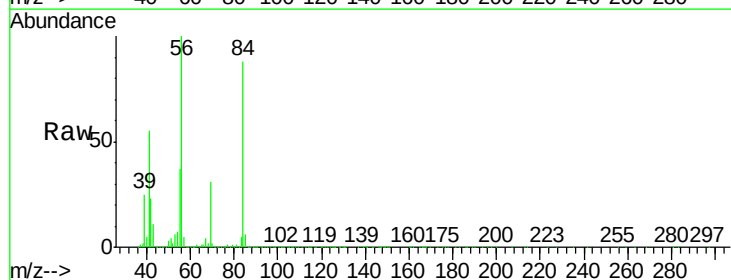
Tgt Ion: 56 Resp: 6112634

Ion Ratio Lower Upper

56 100

69 31.2 24.8 37.2

84 88.2 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

2500000

2000000

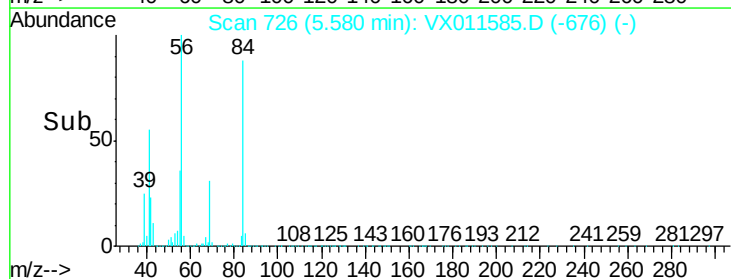
1500000

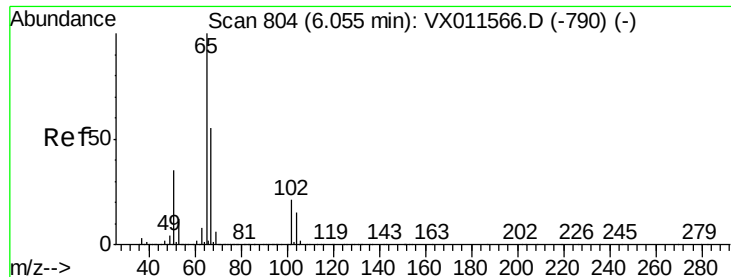
1000000

500000

0

Time--> 5.40 5.50 5.60 5.70





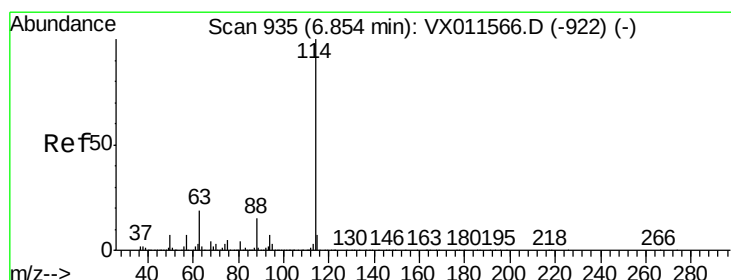
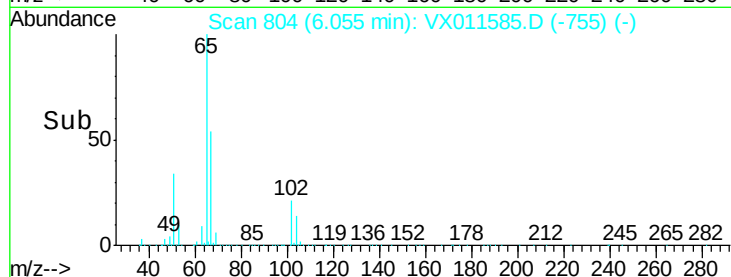
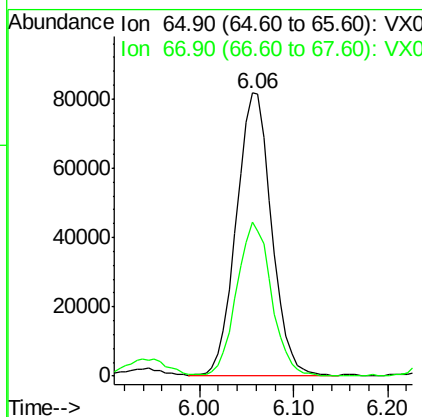
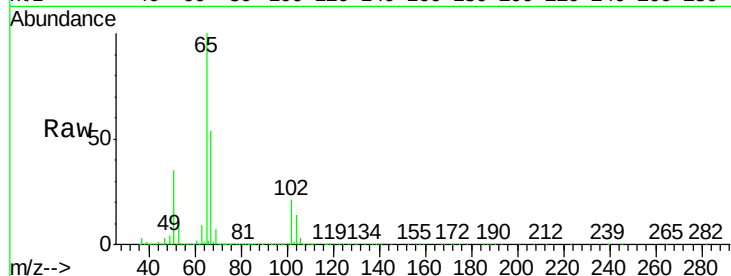
#33
 1,2-Dichloroethane-d4
 Concen: 48.971 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011585.D
 Acq: 16 Aug 2019 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0139

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212767		
67	53.4	0.0	107.6	

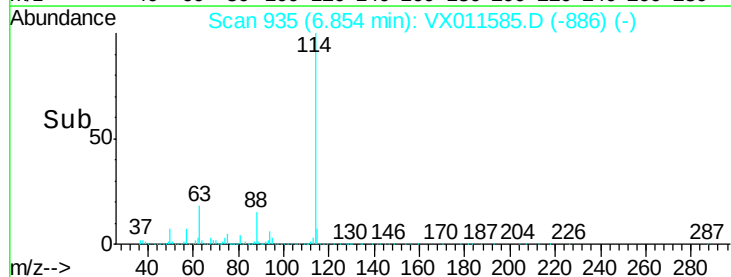
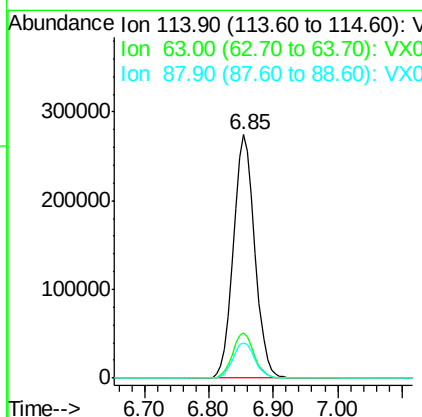
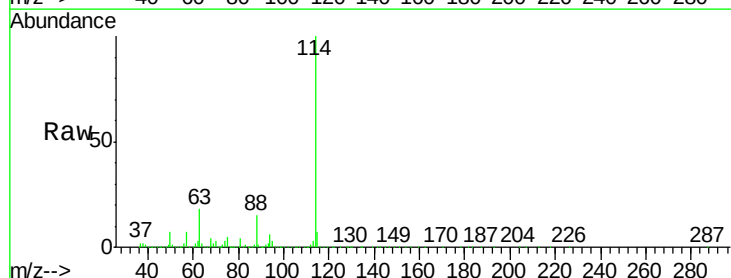
Manual Integrations
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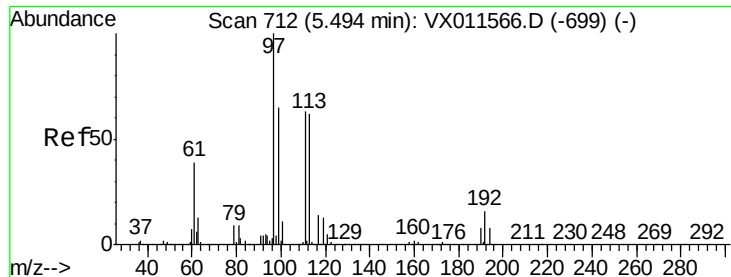
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011585.D
 Acq: 16 Aug 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	636510		
63	18.4	0.0	37.8	
88	14.6	0.0	30.2	





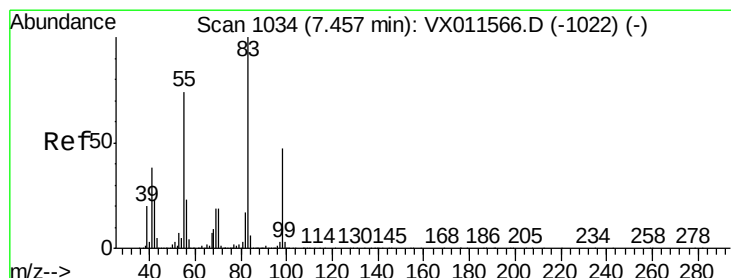
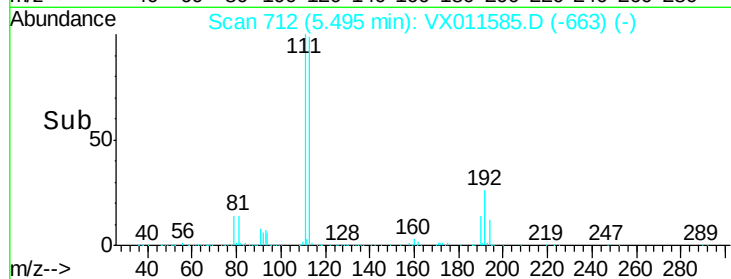
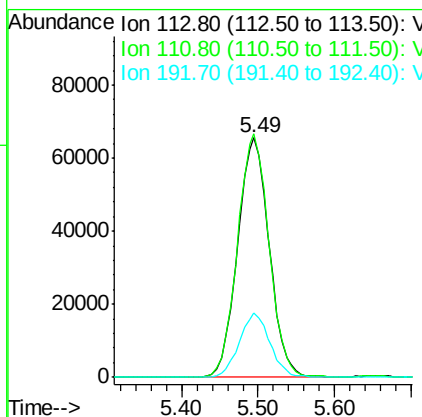
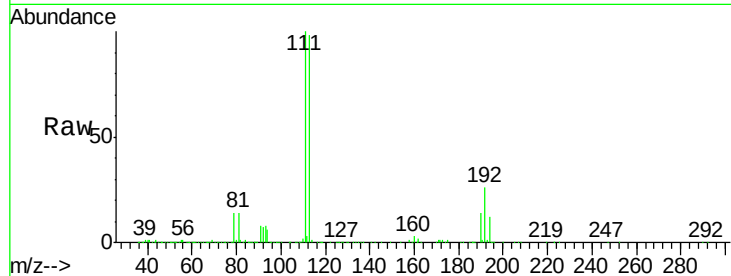
#35
Dibromofluoromethane
Concen: 45.140 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
PH2-0139

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187925		
111	101.3	81.1	121.7	
192	26.0	20.8	31.2	

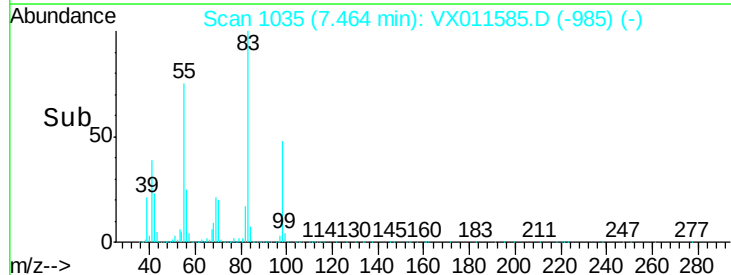
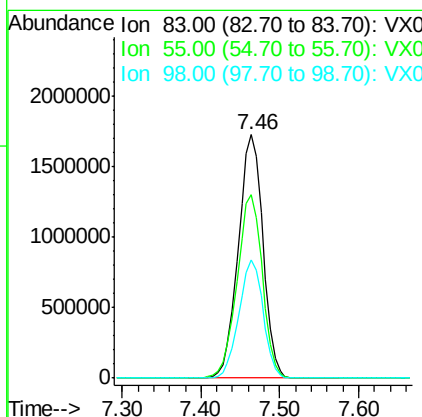
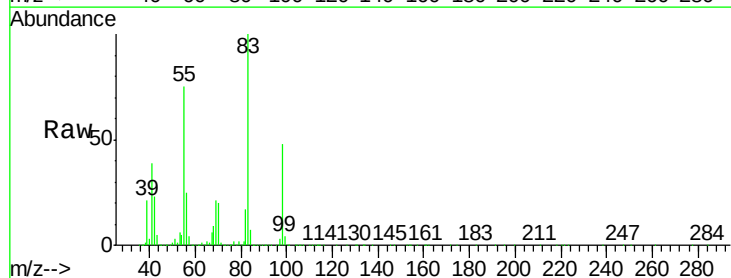
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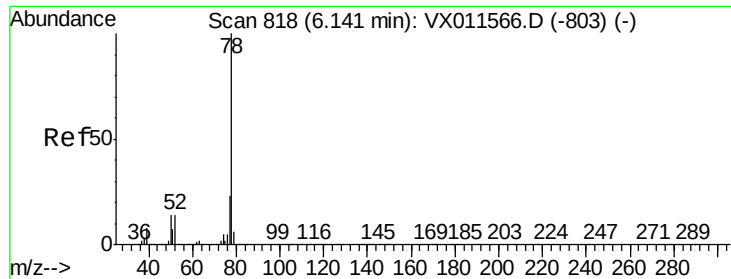
MMDadoda
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#39
Methylcyclohexane
Concen: 558.109 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3750820		
55	75.4	58.8	88.2	
98	48.4	37.8	56.6	





#40

Benzene

Concen: 1.717 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

PH2-0139

Tot Ion: 78 Resp: 29031

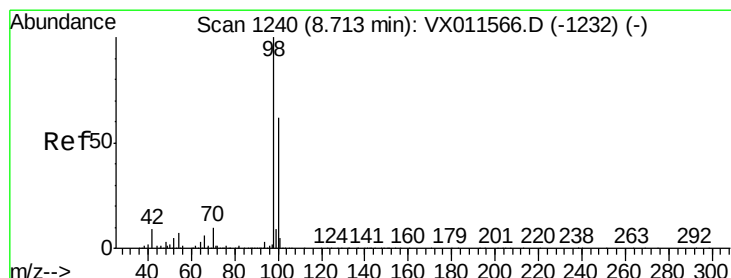
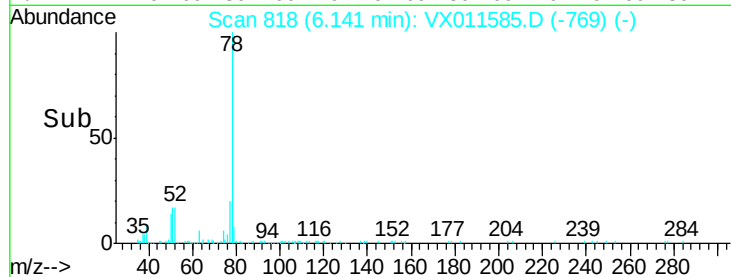
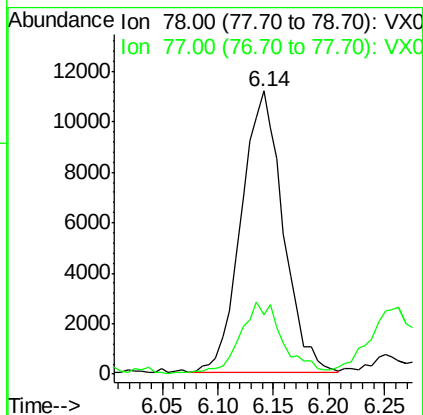
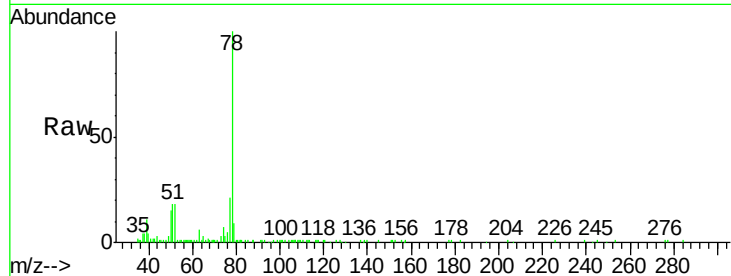
Ion Ratio Lower Upper

78 100

77 20.6 18.6 28.0

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#50

Toluene-d8

Concen: 57.350 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011585.D

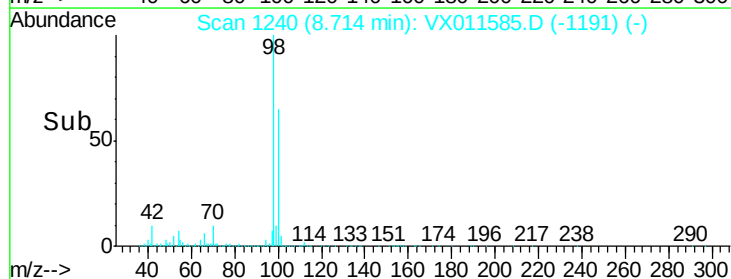
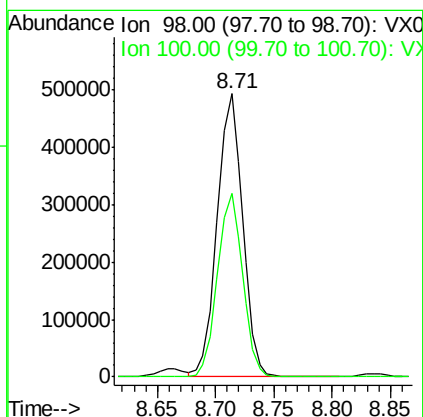
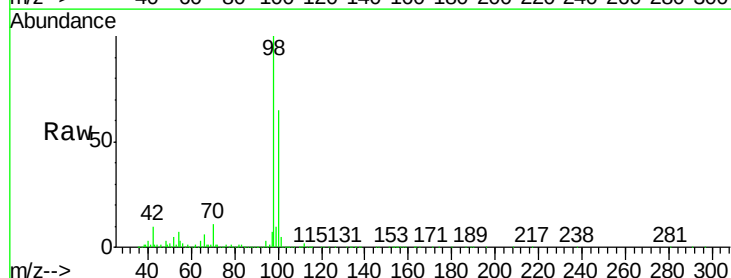
Acq: 16 Aug 2019 16:48

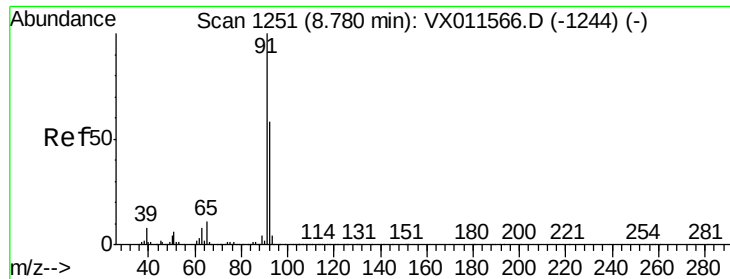
Tgt Ion: 98 Resp: 743941

Ion Ratio Lower Upper

98 100

100 64.0 52.4 78.6





#52

Toluene

Concen: 16.117 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

PH2-0139

Tot Ion: 92 Resp: 173646

Ion Ratio Lower Upper

92 100

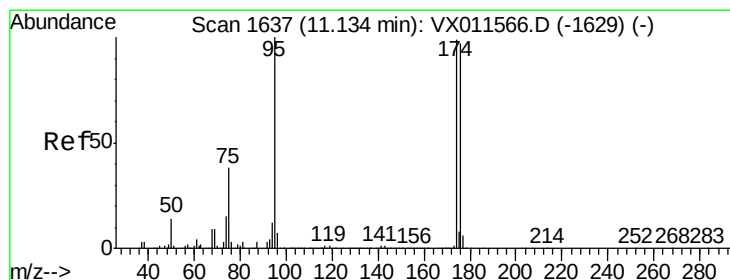
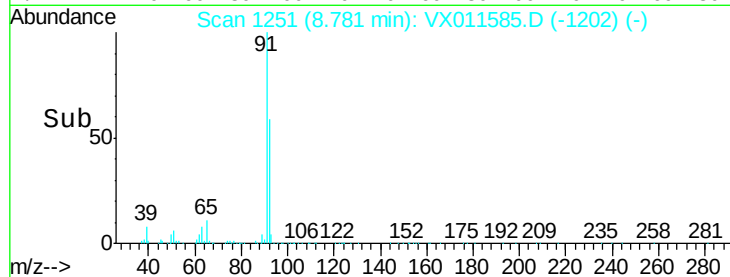
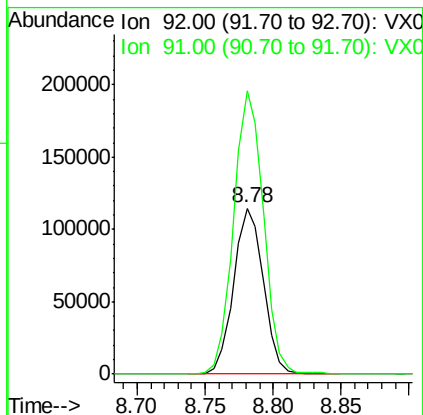
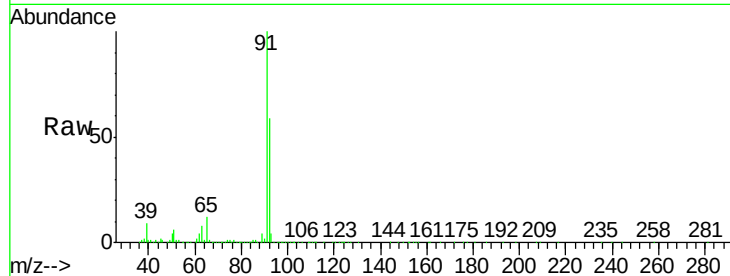
91 172.0 138.0 207.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.304 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

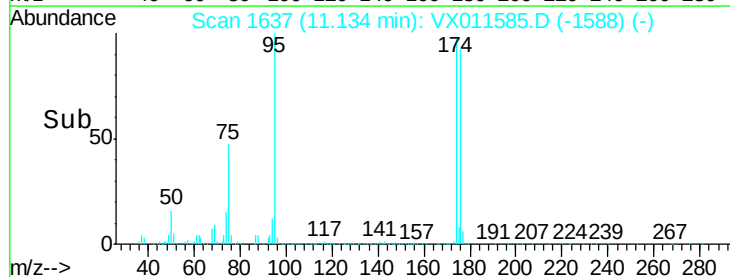
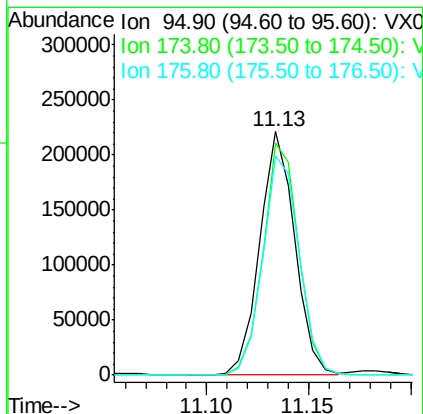
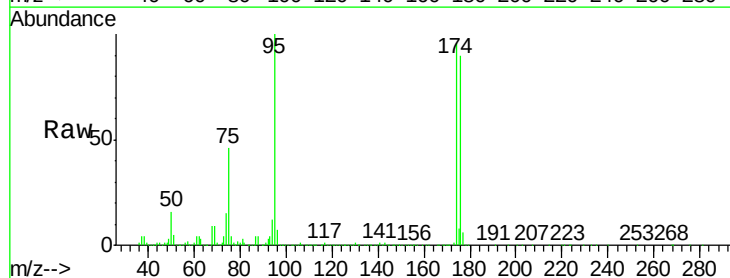
Tgt Ion: 95 Resp: 264474

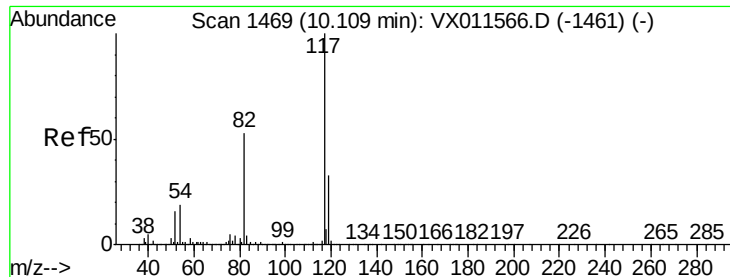
Ion Ratio Lower Upper

95 100

174 97.3 0.0 200.6

176 94.1 0.0 196.6





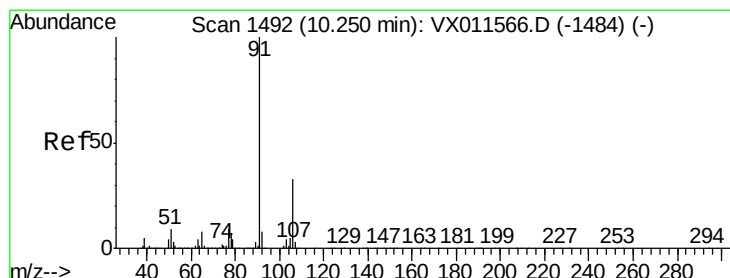
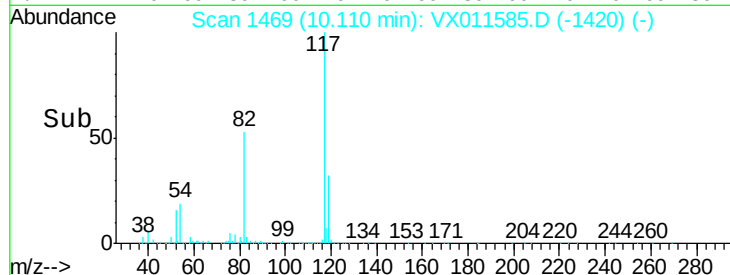
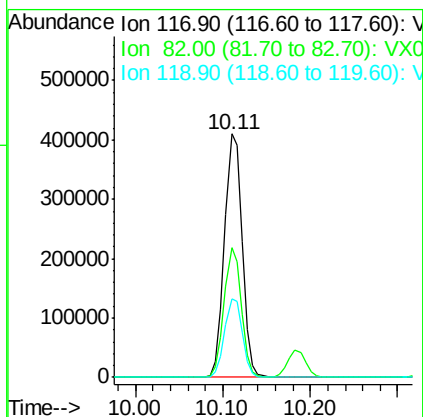
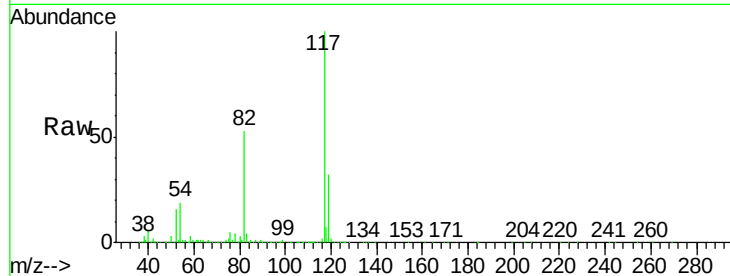
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Instrument :
MSVOA_X
ClientSampled :
PH2-0139

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.0	63.0
119	32.3	26.5	39.7

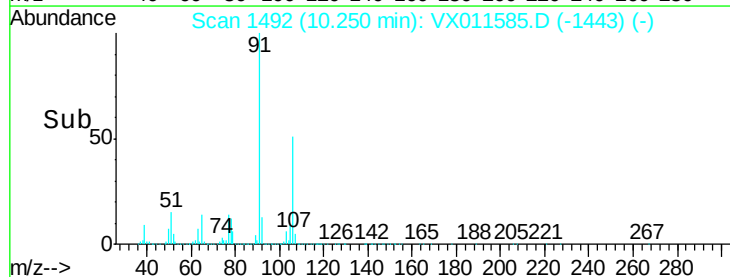
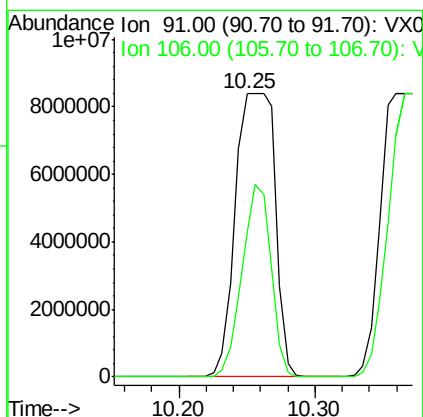
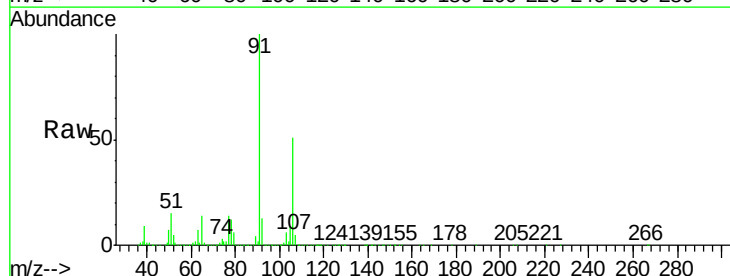
Manual Integrations
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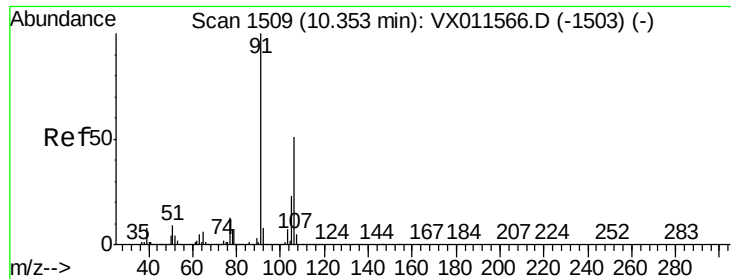
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8/19/2019 10:30:37 AM



#67
Ethyl Benzene
Concen: 839.312 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	51.3	26.0	39.0





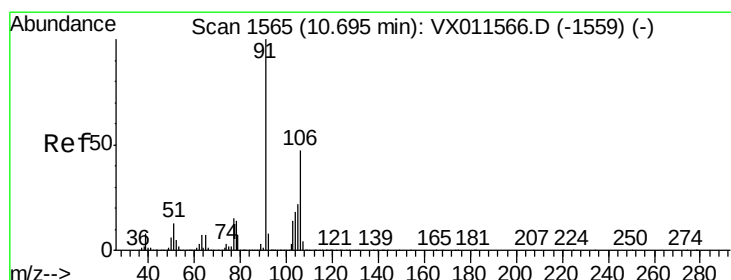
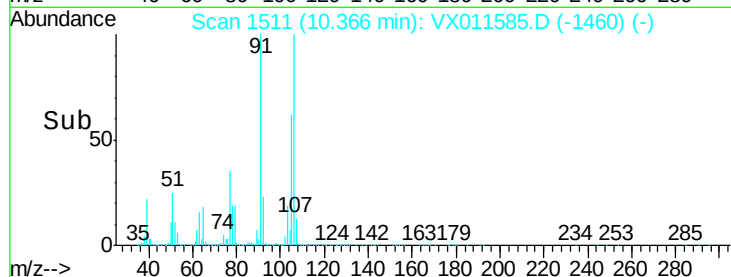
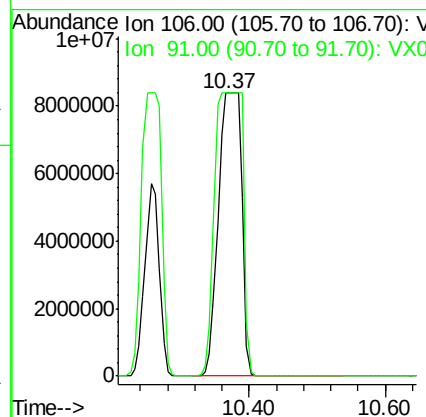
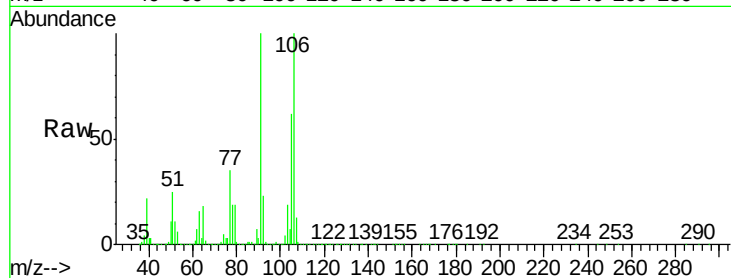
#68
m/p-Xylenes
Concen: 2552.311 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
PH2-0139

Tot Ion:106 Resp:19963911
Ion Ratio Lower Upper
106 100
91 0.0 156.0 234.0#

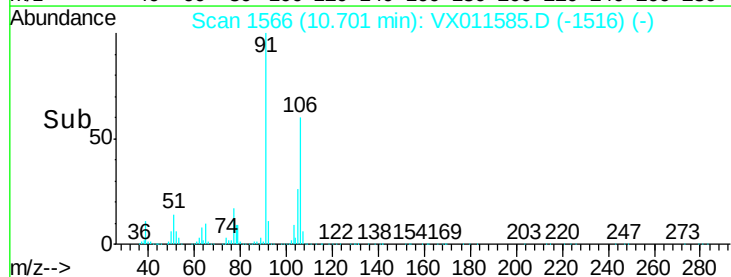
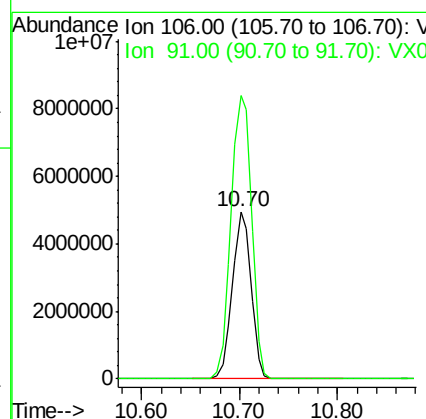
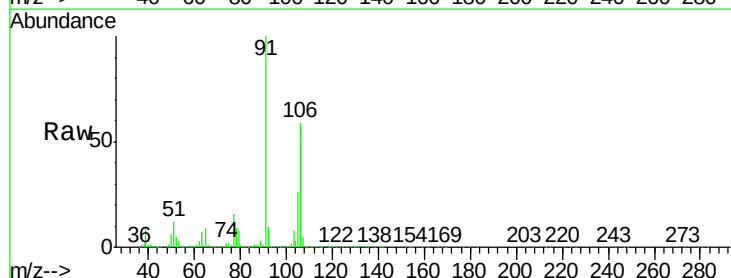
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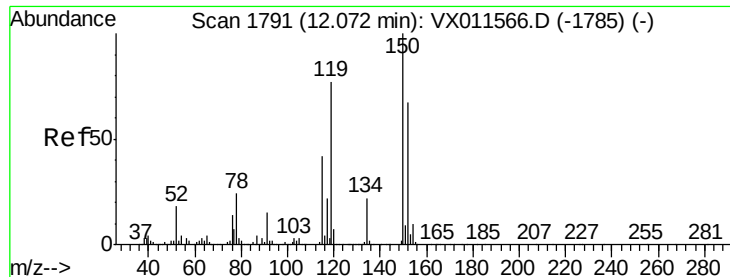
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8/19/2019 10:30:37 AM



#69
o-Xylene
Concen: 859.736 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Tgt Ion:106 Resp: 6587130
Ion Ratio Lower Upper
106 100
91 186.8 105.5 316.4





#72

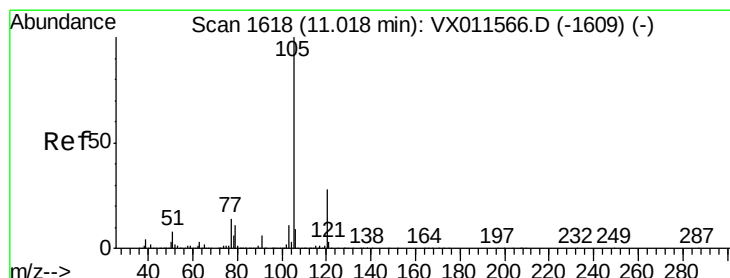
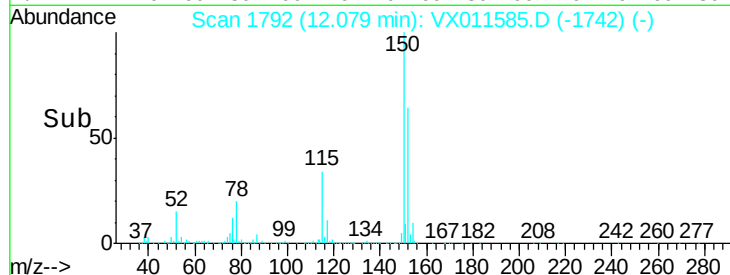
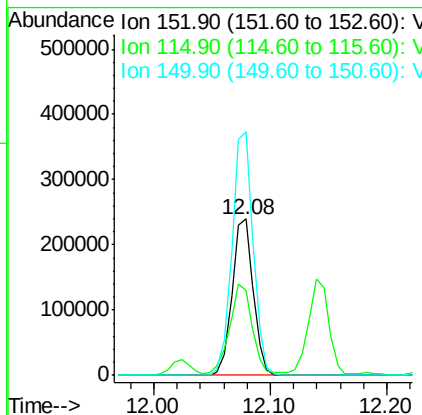
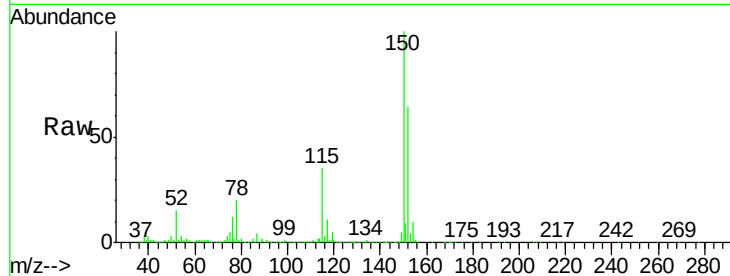
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Instrument :
MSVOA_X
ClientSampled :
PH2-0139

Tot Ion	Ratio	Resp	Lower	Upper
152	100	301518		
115	62.8	37.3	111.9	
150	156.3	0.0	346.2	

Manual Integrations
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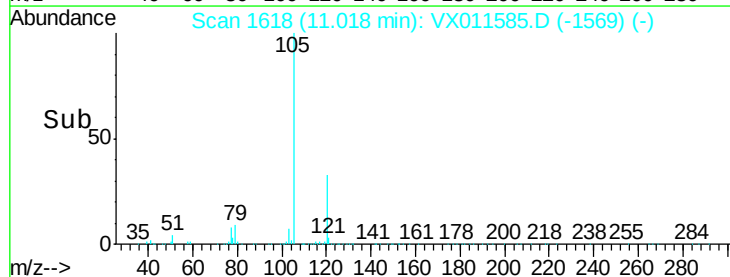
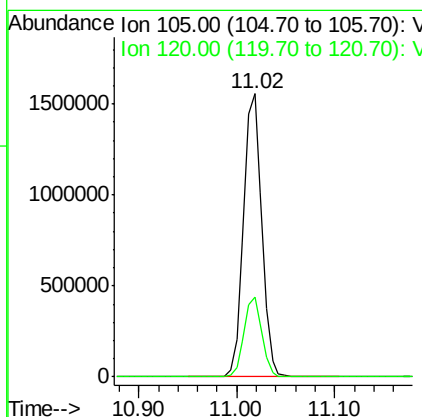
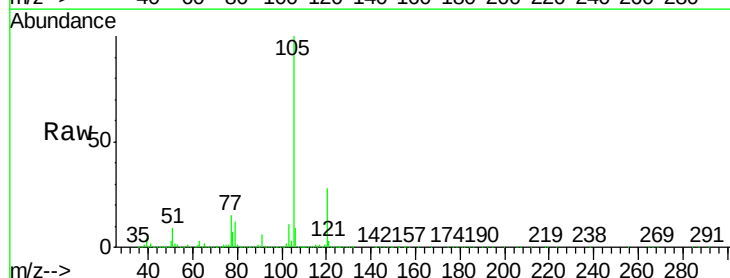
MMDadoda
8/19/2019 10:30:37 AM

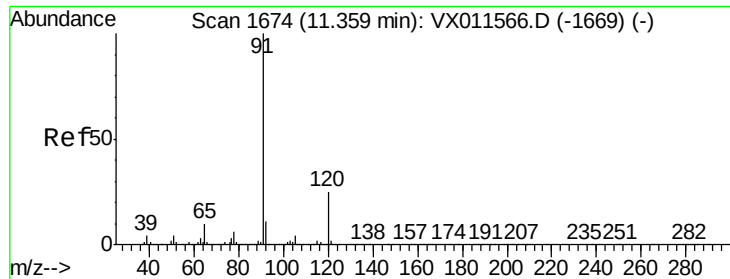


#73

Isopropylbenzene
Concen: 102.726 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011585.D
Acq: 16 Aug 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2009841		
120	27.7	14.0	41.9	





#78

n-propylbenzene

Concen: 109.843 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

ClientSampled :

PH2-0139

Tot Ion: 91 Resp: 2317358

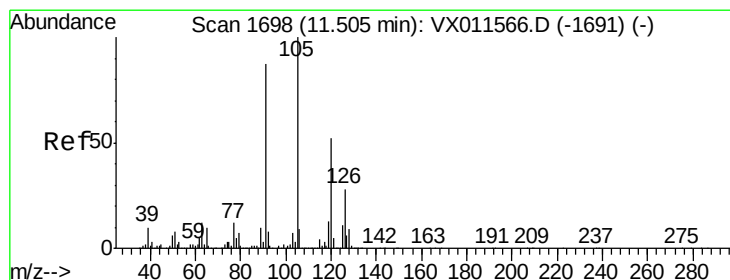
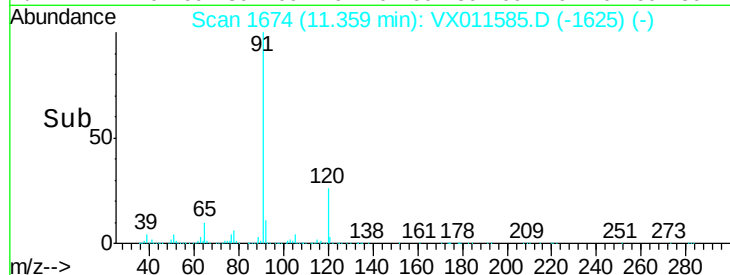
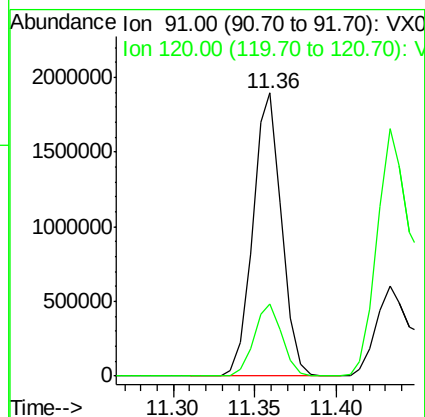
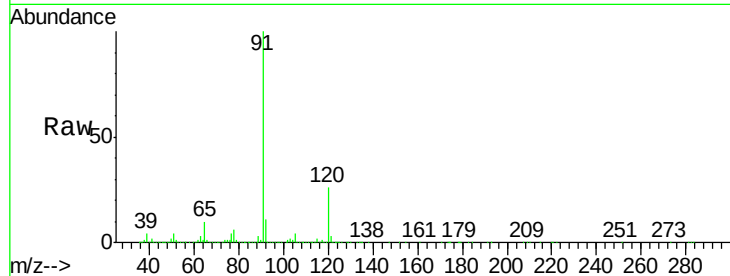
Ion Ratio Lower Upper

91 100

120 25.1 12.6 37.6

Manual Integrations
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8/19/2019 10:30:37 AM



#80

1,3,5-Trimethylbenzene

Concen: 193.493 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011585.D

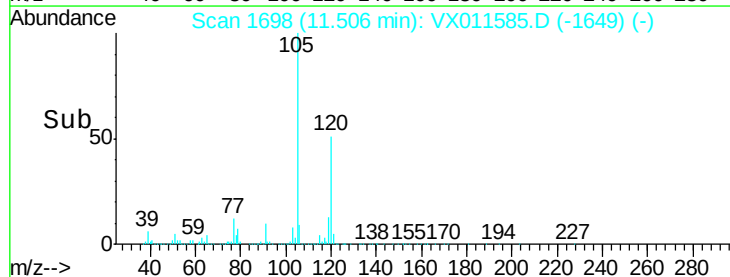
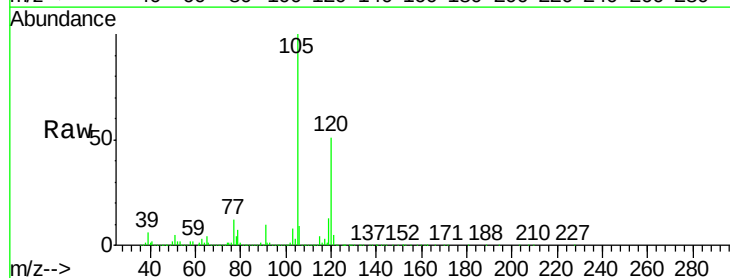
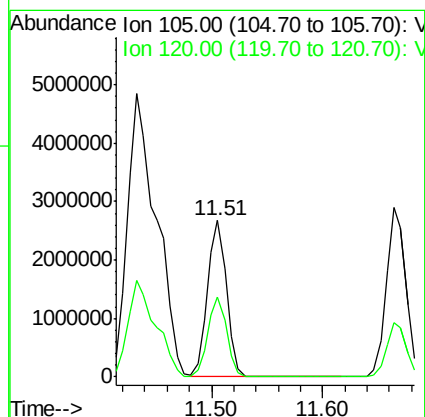
Acq: 16 Aug 2019 16:48

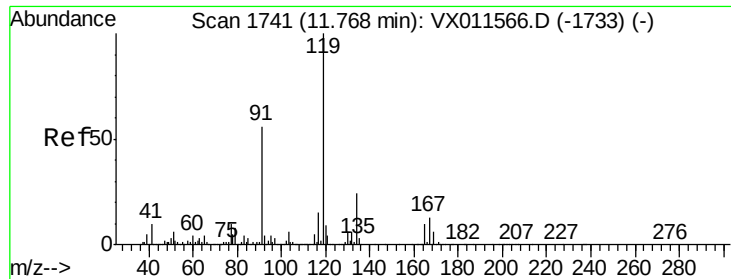
Tgt Ion: 105 Resp: 3180131

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.8





#83

tert-Butylbenzene

Concen: 1.127 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

PH2-0139

Tot Ion:119 Resp: 18865

Ion Ratio Lower Upper

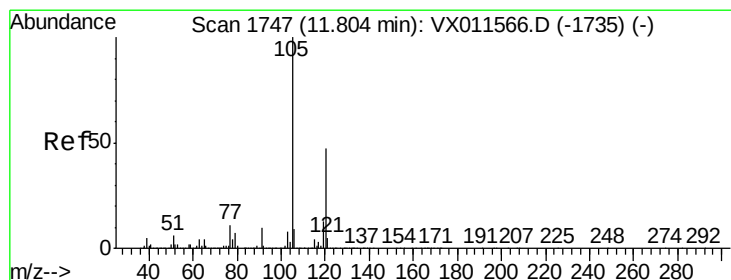
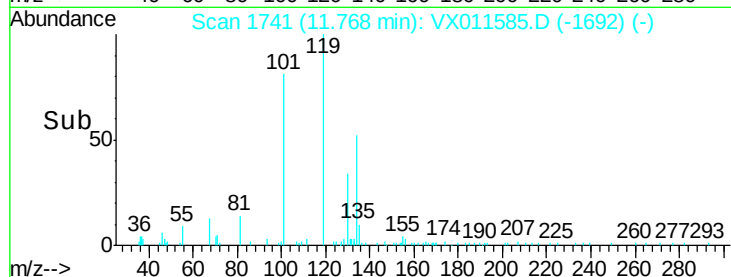
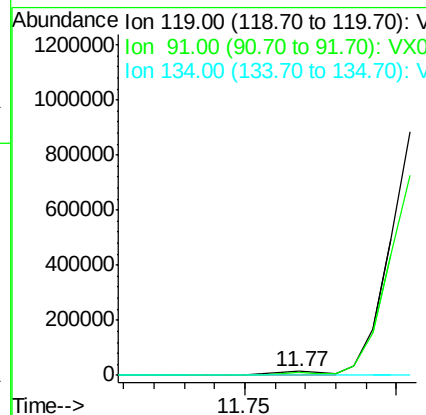
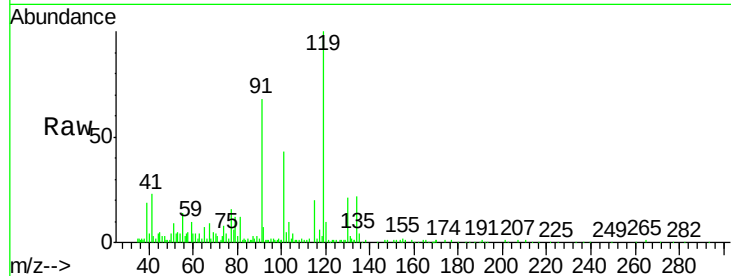
119 100

91 4821.4 27.1 81.3

134 0.0 11.8 35.3#

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 504.286 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011585.D

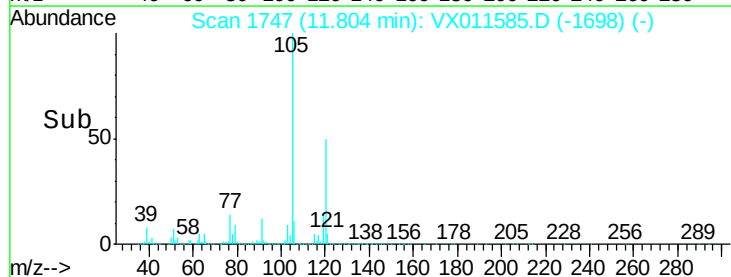
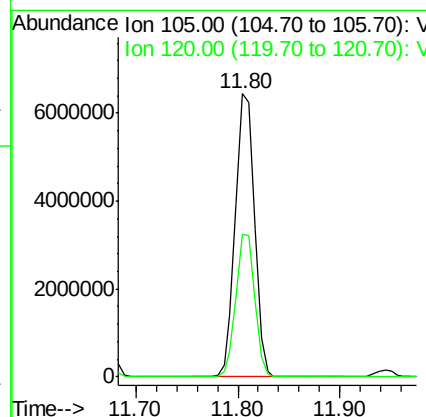
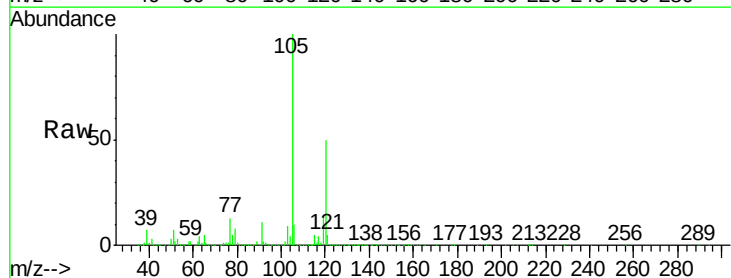
Acq: 16 Aug 2019 16:48

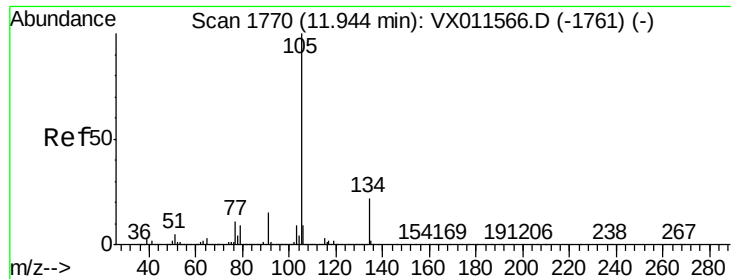
Tgt Ion:105 Resp: 8320641

Ion Ratio Lower Upper

105 100

120 49.5 23.3 69.9





#85

sec-Butylbenzene

Concen: 10.918 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

PH2-0139

Tot Ion:105 Resp: 206195

Ion Ratio Lower Upper

105 100

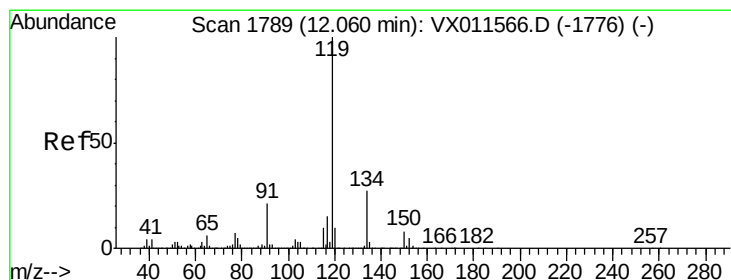
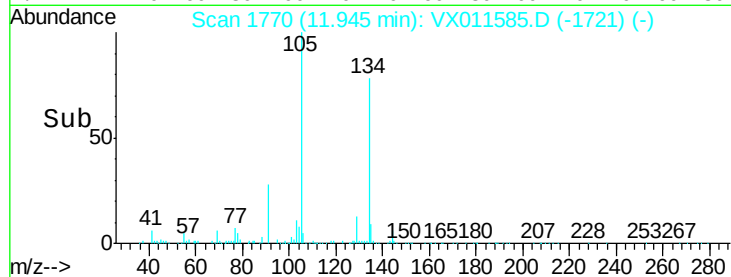
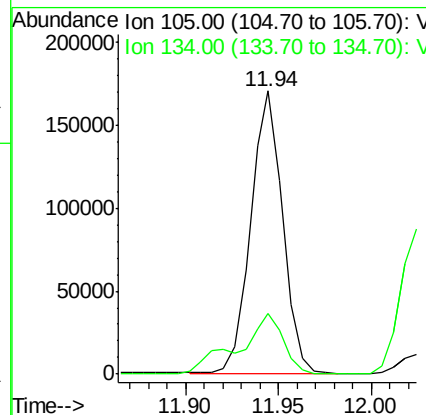
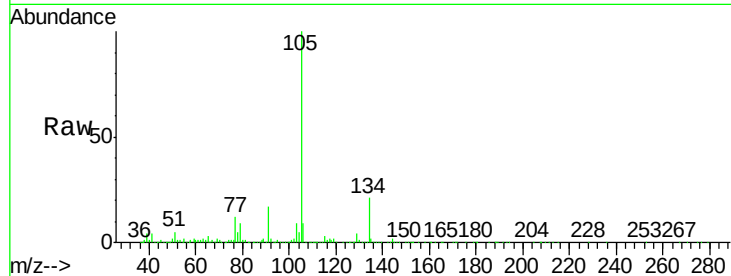
134 0.0 10.8 32.4#

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 12.167 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

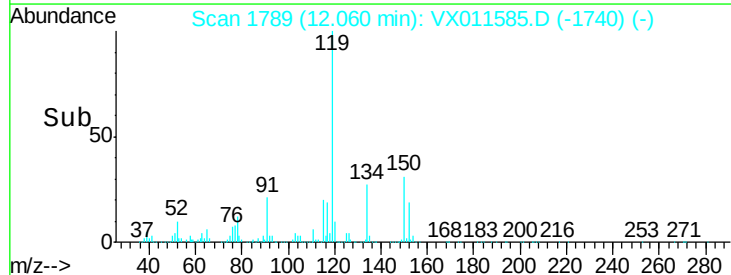
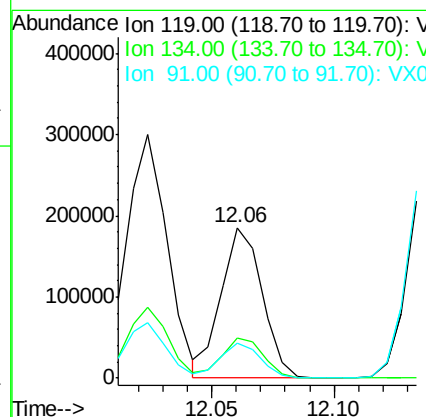
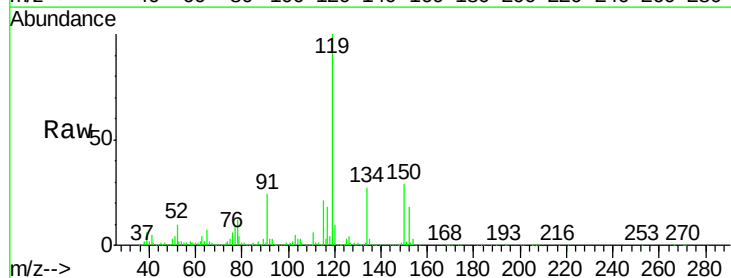
Tgt Ion:119 Resp: 216179

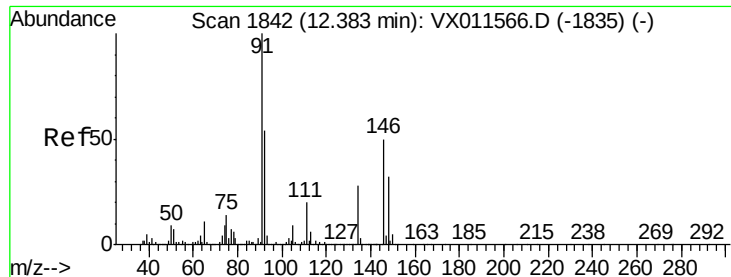
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 22.9 10.9 32.9





#89

n-Butylbenzene

Concen: 13.171 ug/l

RT: 12.38 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Instrument :

MSVOA_X

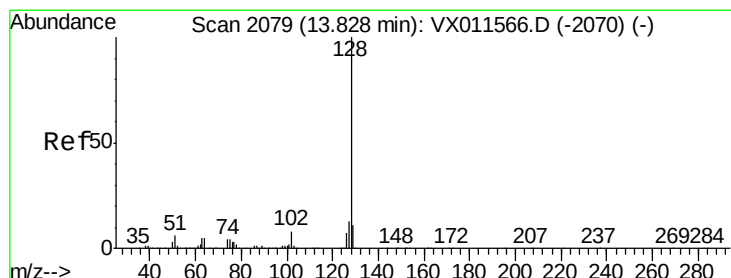
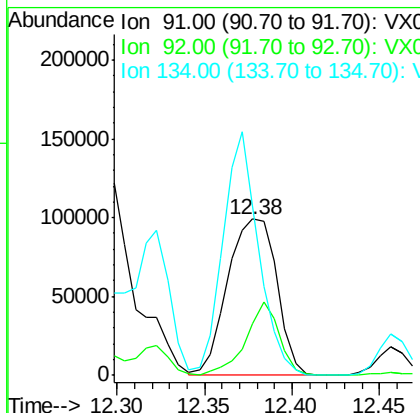
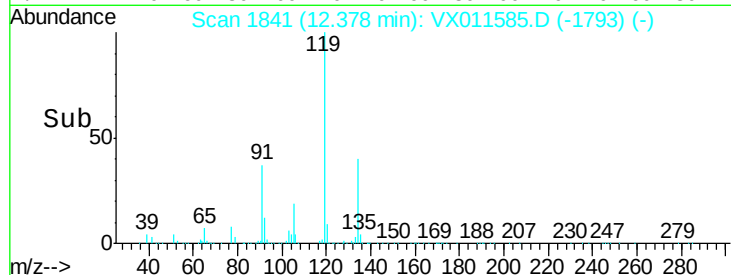
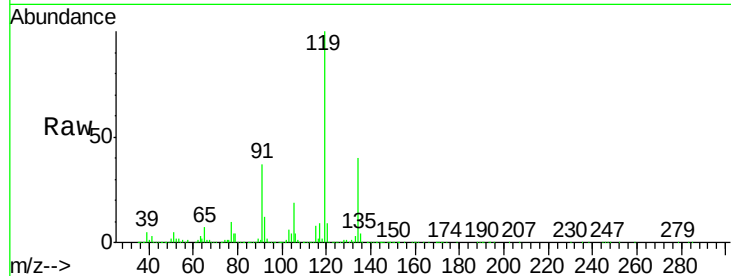
ClientSampled :

PH2-0139

Tot Ion:	91	Resp:	192390
Ion Ratio	Lower	Upper	
91	100		
92	31.8	26.8	80.3
134	113.4	14.6	44.0#

Manual Integrations
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#95

Naphthalene

Concen: 219.818 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011585.D

Acq: 16 Aug 2019 16:48

Tgt Ion:	128	Resp:	4650525
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	11.3	8.7	13.1

