

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054385.D
 Acq On : 18 Mar 2019 11:15
 Operator : JC/SP
 Sample : K1894-04DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GWDL

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:46 AM

Quant Time: Mar 19 05:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1904193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2791907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2339283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	934099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	922850	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	7.59	113	839946	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	10.09	98	3208982	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	985335	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	
Target Compounds						
40) Benzene	8.04	78	33759	0.459	ug/l	93
52) Toluene	10.16	92	33172	0.711	ug/l	91
67) Ethyl Benzene	11.51	91	731835	8.595	ug/l	99
68) m/p-Xylenes	11.62	106	1284779	38.607	ug/l	99
69) o-Xylene	11.95	106	698480	21.531	ug/l	100
73) Isopropylbenzene	12.25	105	42600	0.570	ug/l	99
78) n-propylbenzene	12.59	91	103386	1.275	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	290629	4.675	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1658444	27.194	ug/l	100
95) Naphthalene	15.13	128	377122	12.036	ug/l	100

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

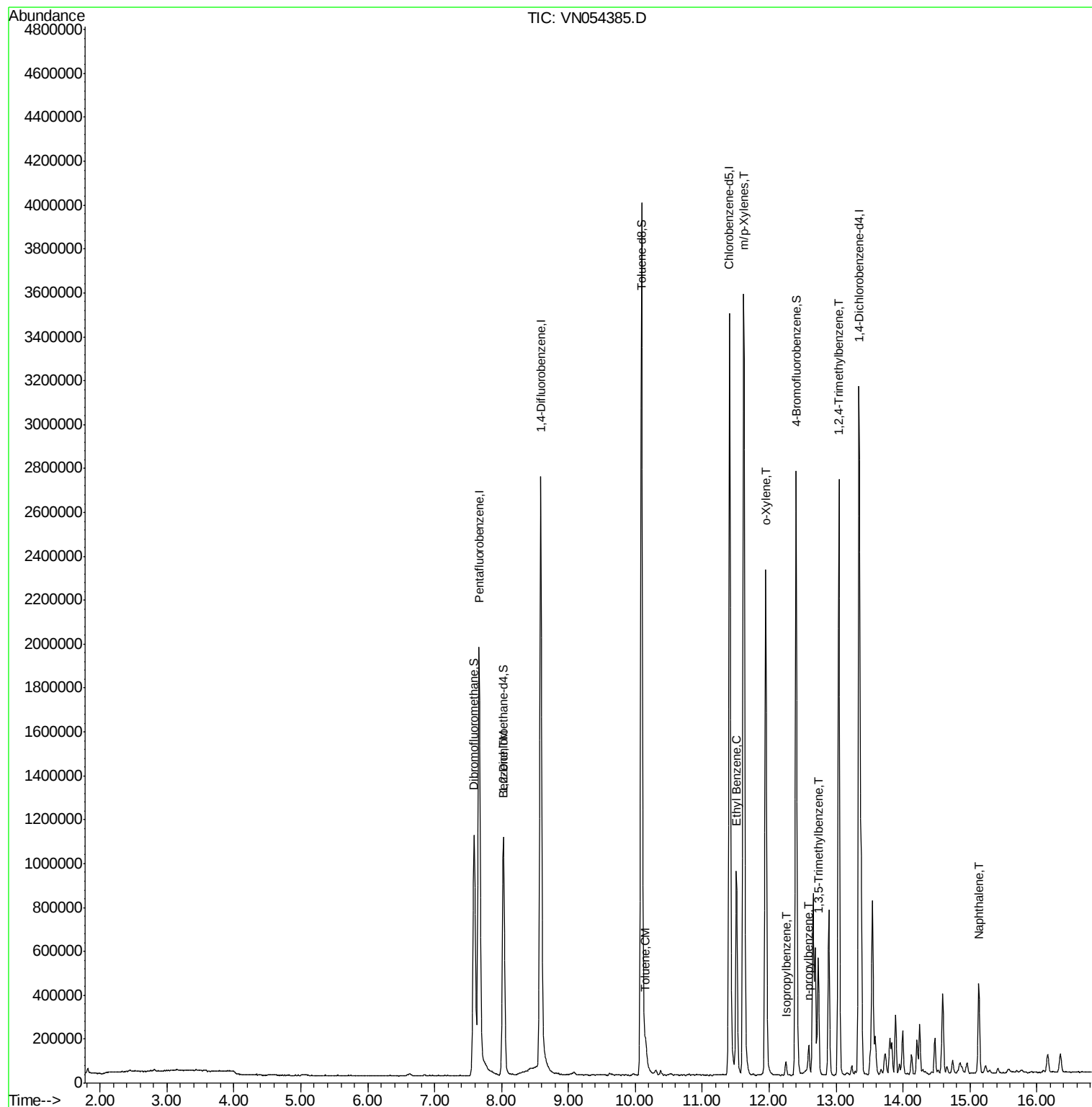
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054385.D
Acq On : 18 Mar 2019 11:15
Operator : JC/SP
Sample : K1894-04DL 50X
Misc : 5.00mL/MSVOA N/WATER
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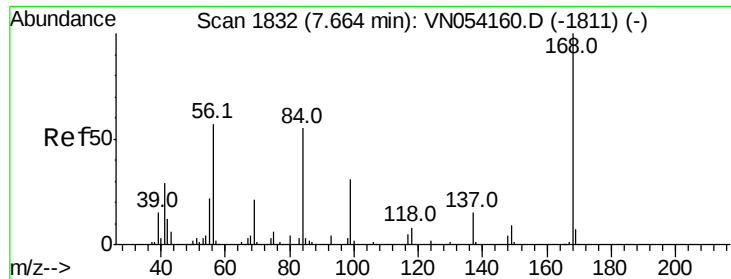
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GWDL

Manual Integrations
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3/19/2019 9:23:46 AM

Quant Time: Mar 19 05:49:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion:168 Resp: 1904193

Ion Ratio Lower Upper

168 100

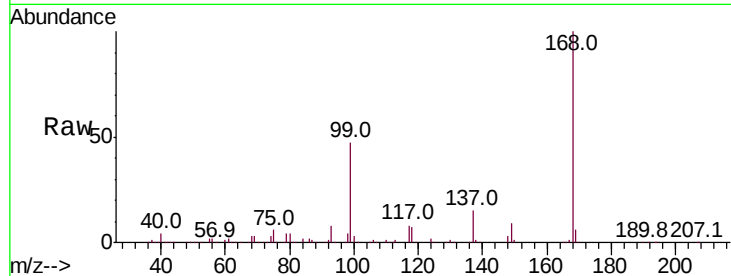
99 47.4 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

600000

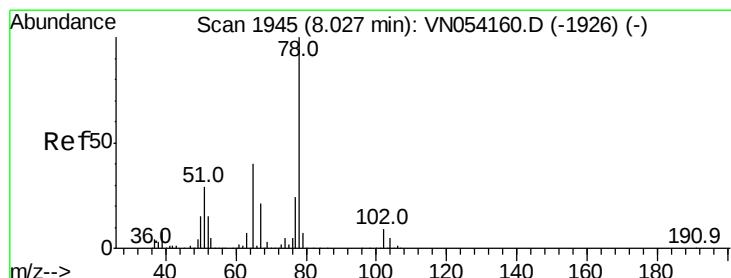
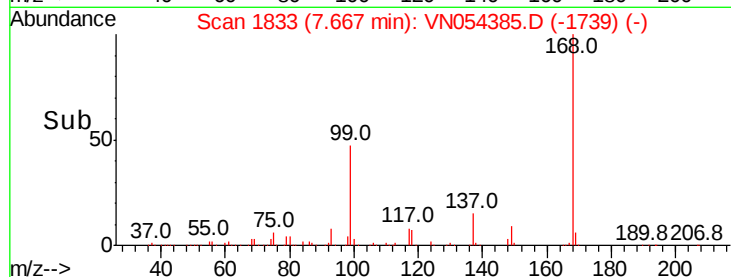
400000

200000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.635 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054385.D

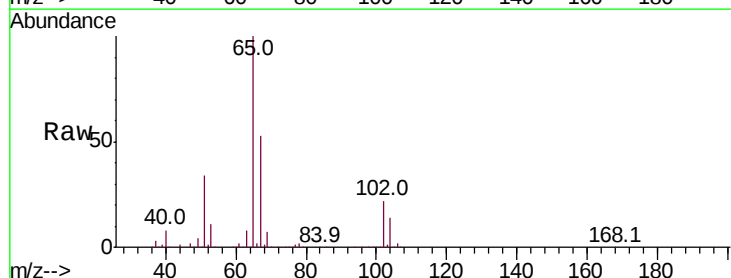
Acq: 18 Mar 2019 11:15

Tgt Ion: 65 Resp: 922850

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

400000

300000

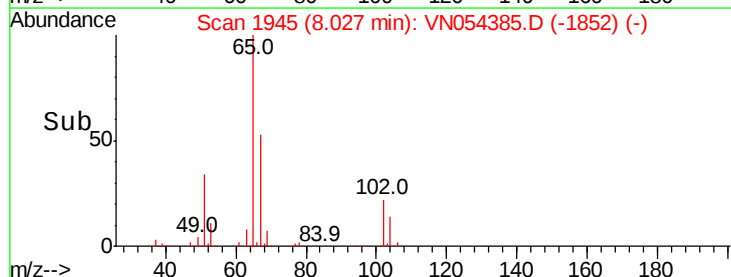
200000

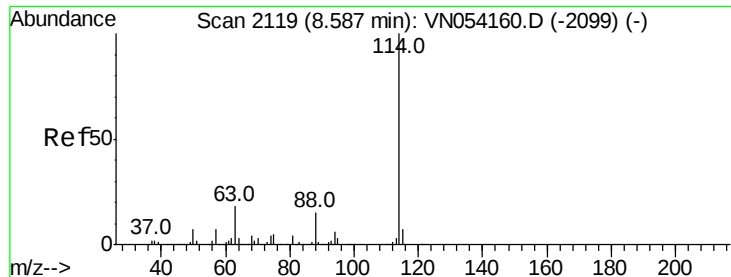
100000

0

7.90 8.00 8.10 8.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion:114 Resp: 2791907

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

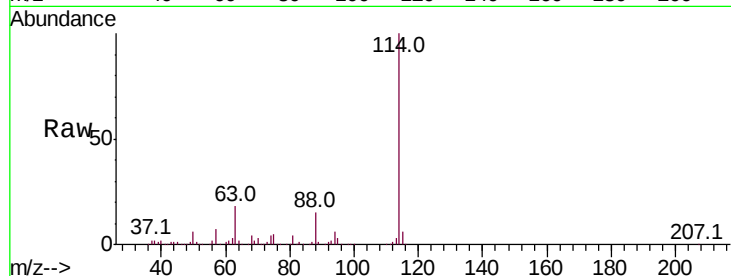
88 14.8 0.0 30.2

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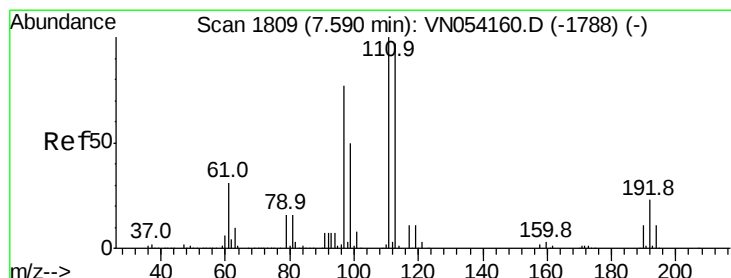
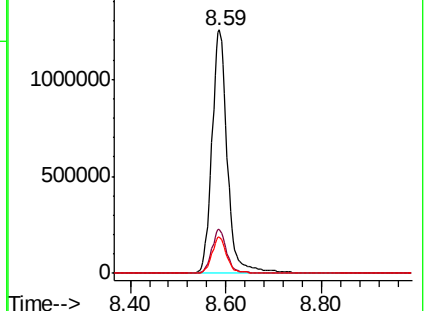
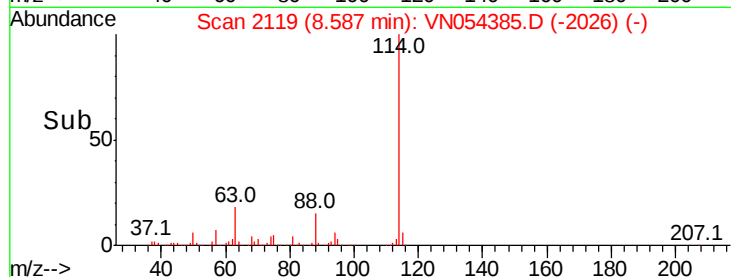
3/19/2019 9:23:46 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 46.646 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

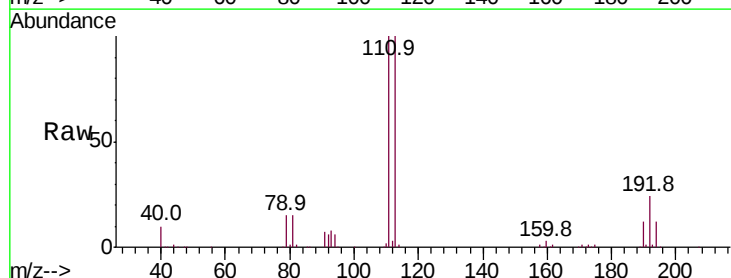
Tgt Ion:113 Resp: 839946

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

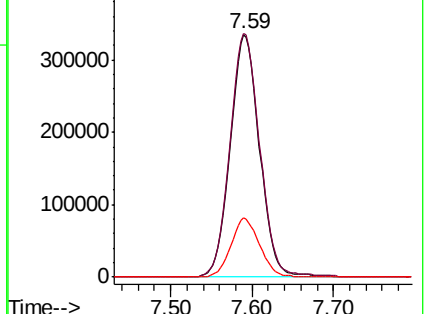
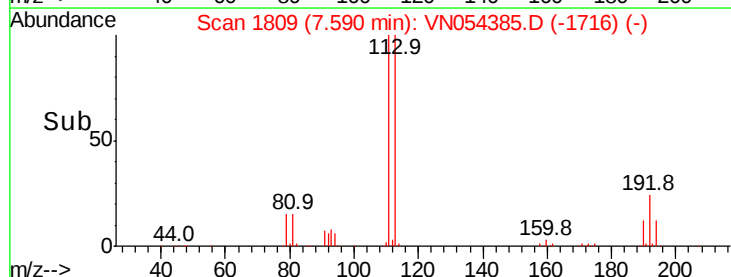
192 23.8 19.2 28.8

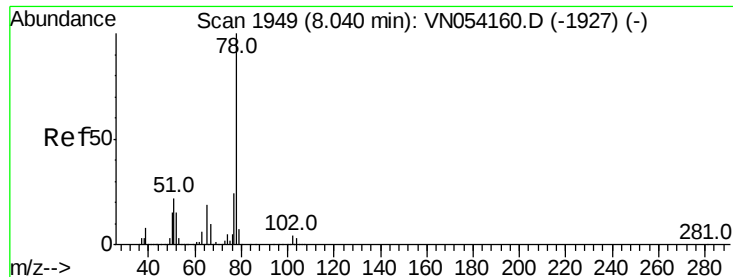


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.459 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion: 78 Resp: 33759

Ion Ratio Lower Upper

78 100

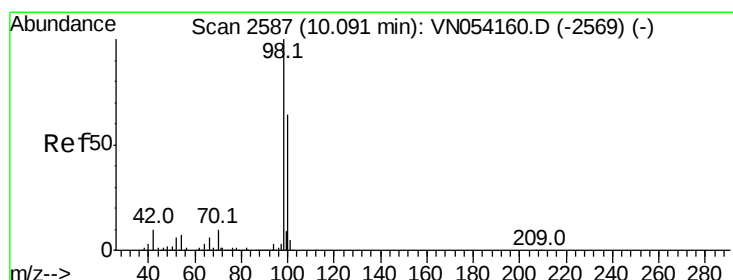
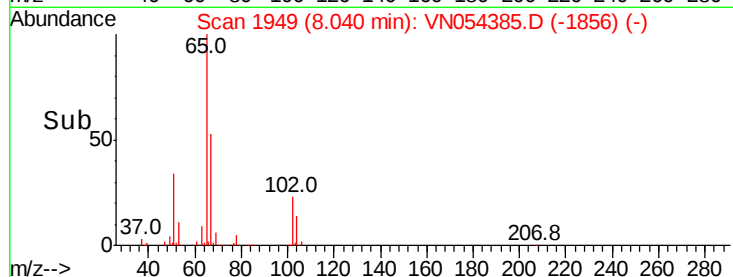
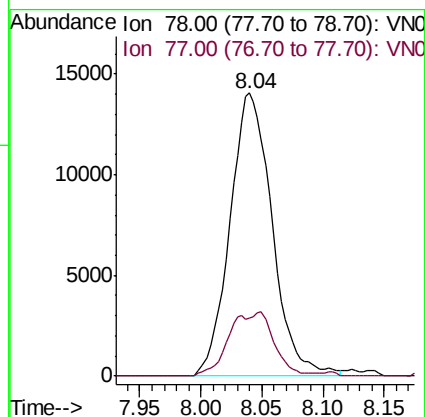
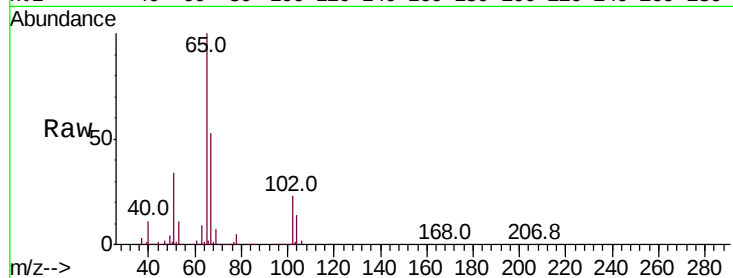
77 20.3 19.1 28.7

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#50

Toluene-d8

Concen: 48.255 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054385.D

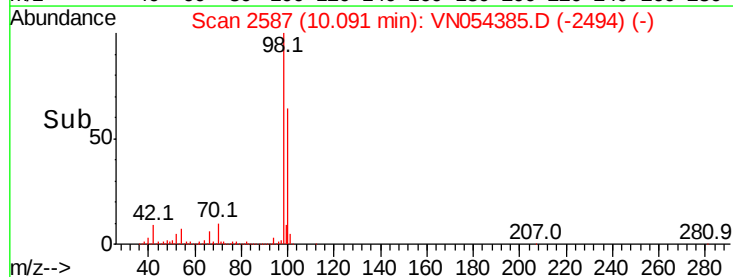
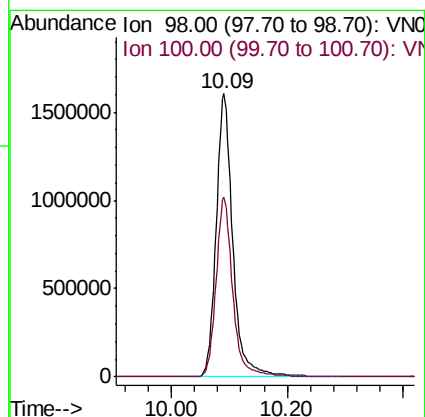
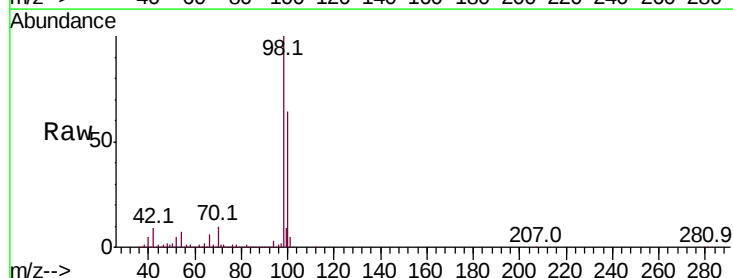
Acq: 18 Mar 2019 11:15

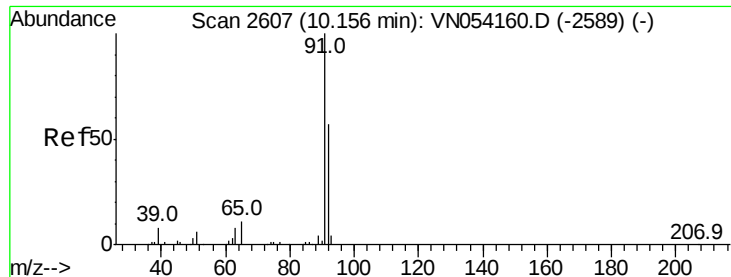
Tgt Ion: 98 Resp: 3208982

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8





#52

Toluene

Concen: 0.711 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion: 92 Resp: 33172

Ion Ratio Lower Upper

92 100

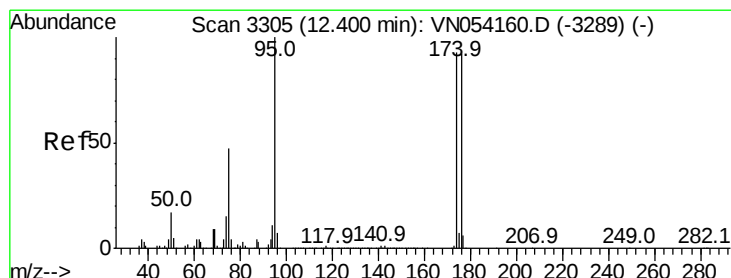
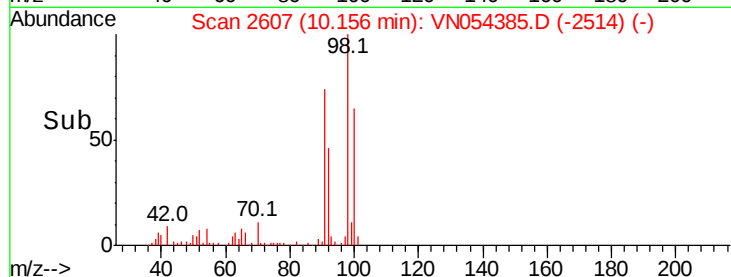
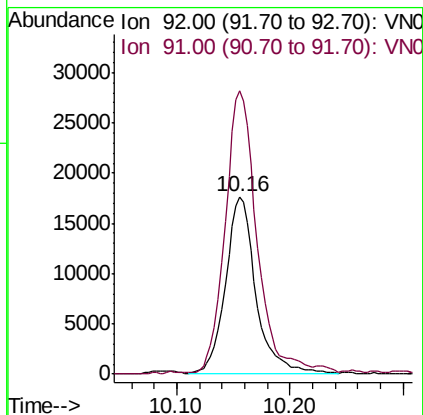
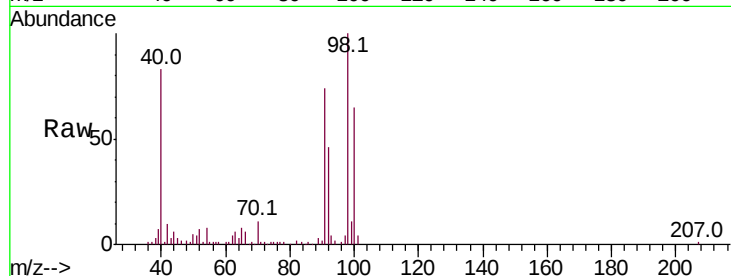
91 163.3 140.7 211.1

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#62

4-Bromofluorobenzene

Concen: 42.346 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

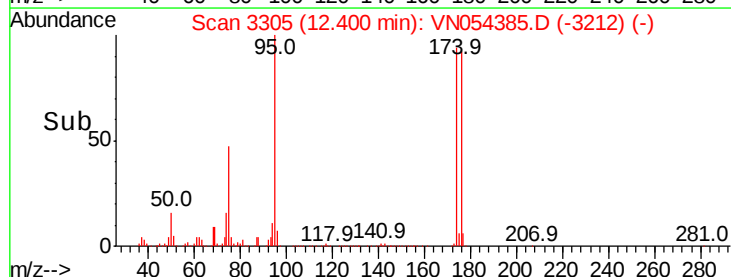
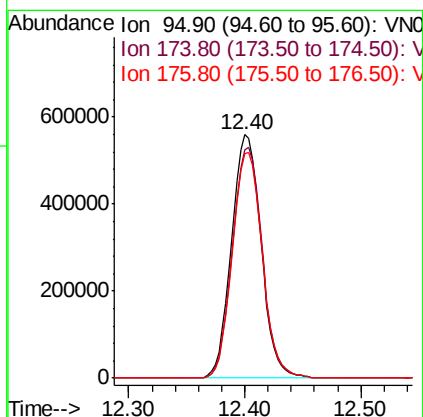
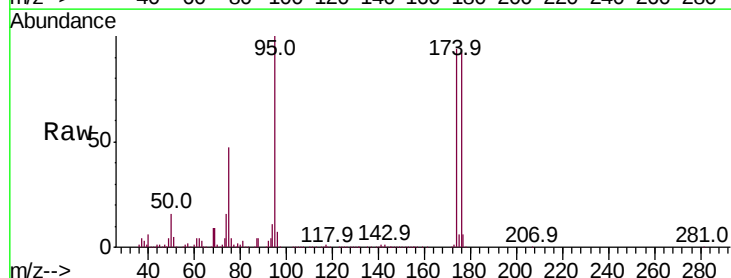
Tgt Ion: 95 Resp: 985335

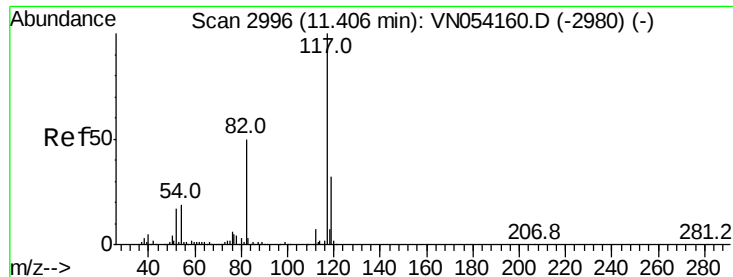
Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.0

176 93.6 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion:117 Resp: 2339283

Ion Ratio Lower Upper

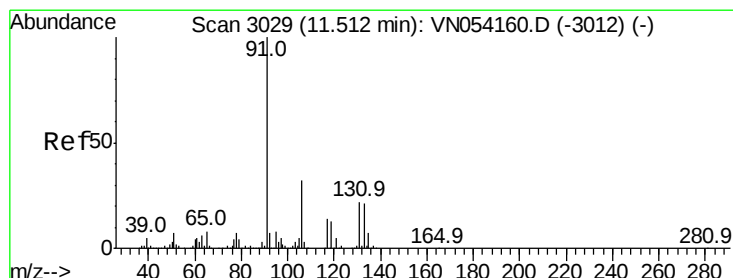
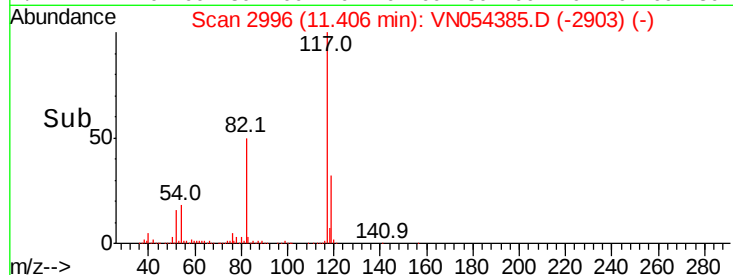
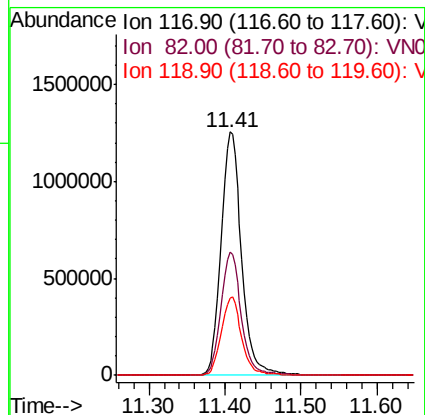
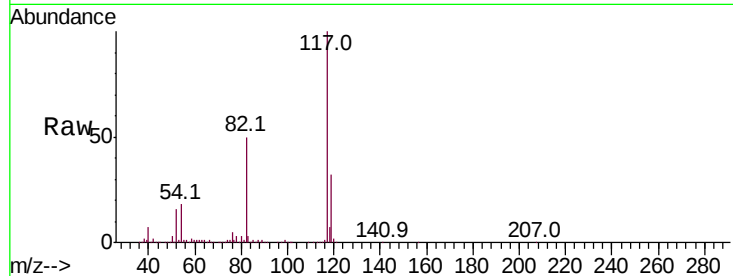
117 100

82 50.5 40.0 60.0

119 31.9 25.8 38.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 8.595 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054385.D

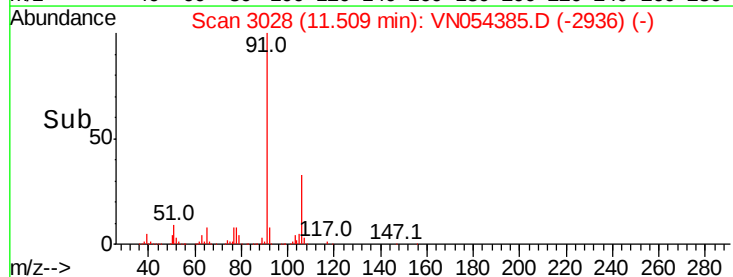
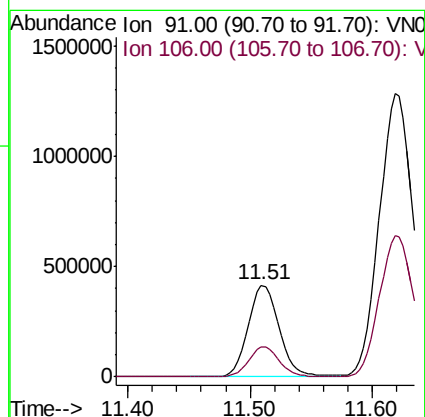
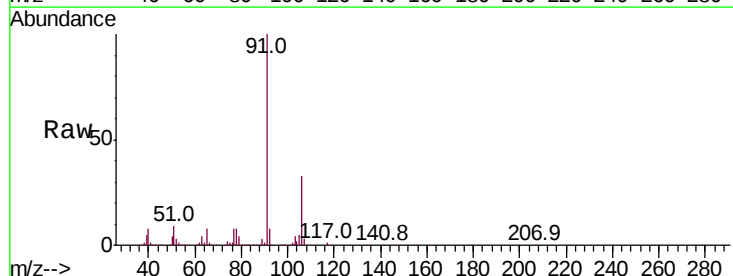
Acq: 18 Mar 2019 11:15

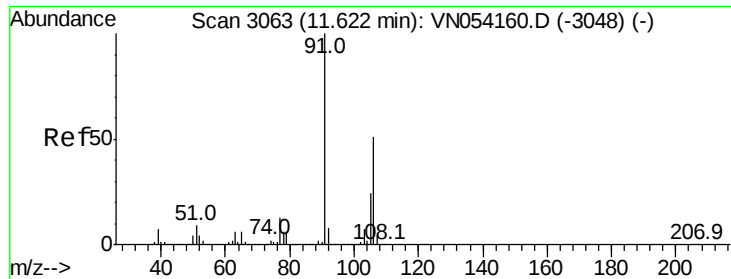
Tgt Ion: 91 Resp: 731835

Ion Ratio Lower Upper

91 100

106 32.6 25.5 38.3





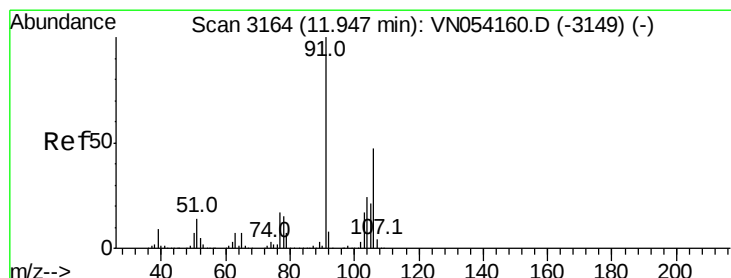
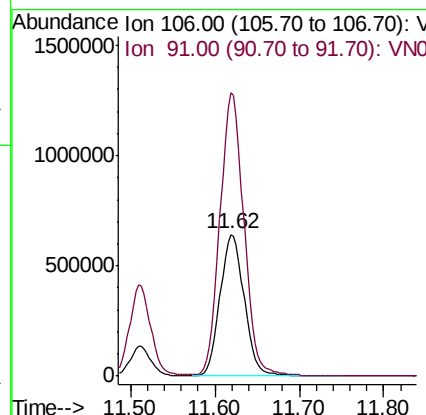
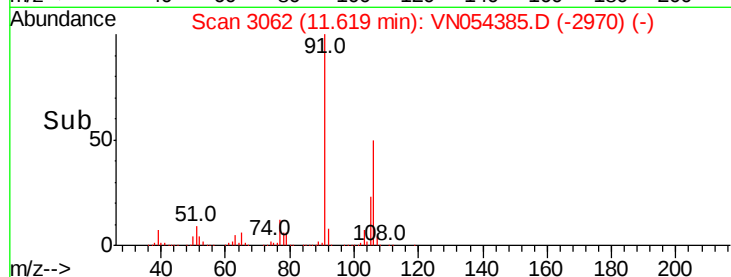
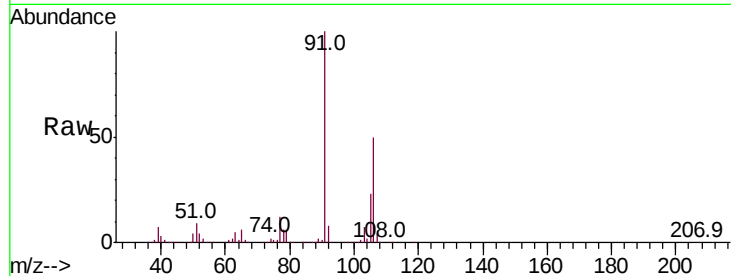
#68
m/p-Xylenes
Concen: 38.607 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054385.D
Acq: 18 Mar 2019 11:15

Instrument :
MSVOA_N
ClientSampled :
RFK-RMAB-MW08-GWDL

Tot Ion:106 Resp: 1284779
Ion Ratio Lower Upper
106 100
91 197.8 159.4 239.2

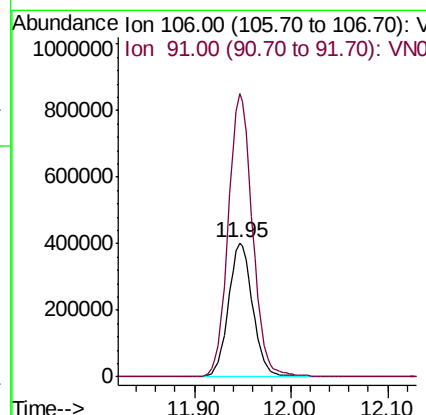
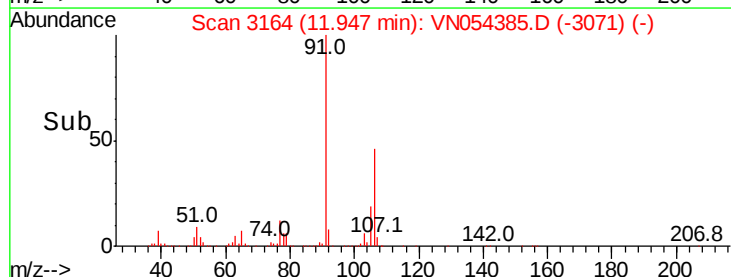
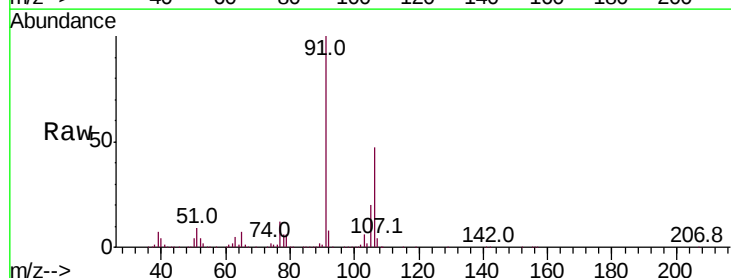
Manual Integrations
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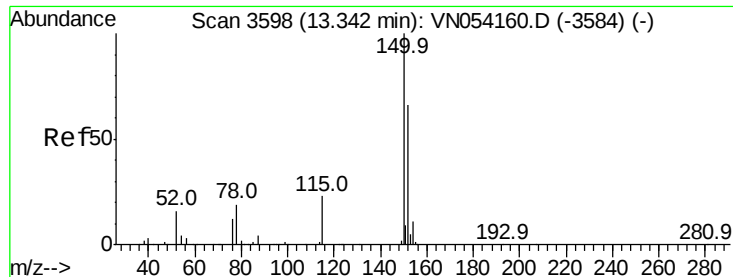
MMDadoda
3/19/2019 9:23:46 AM



#69
o-Xylene
Concen: 21.531 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054385.D
Acq: 18 Mar 2019 11:15

Tgt Ion:106 Resp: 698480
Ion Ratio Lower Upper
106 100
91 211.1 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

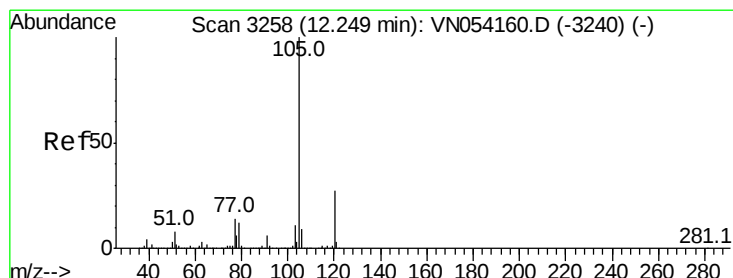
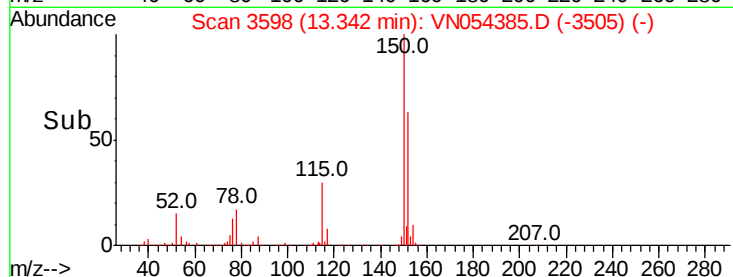
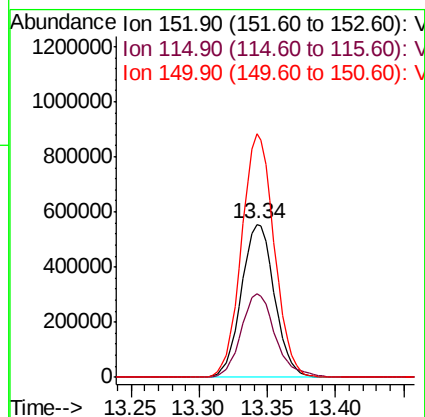
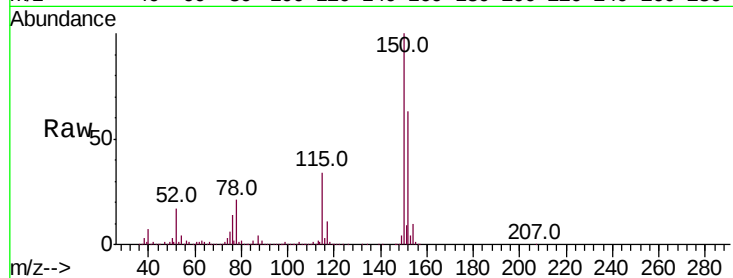
ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	27.2	81.6
150	156.9	0.0	349.2

Manual Integrations
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3/19/2019 9:23:46 AM



#73

Isopropylbenzene

Concen: 0.570 ug/l

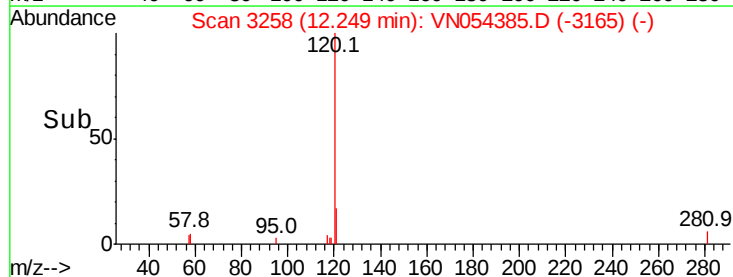
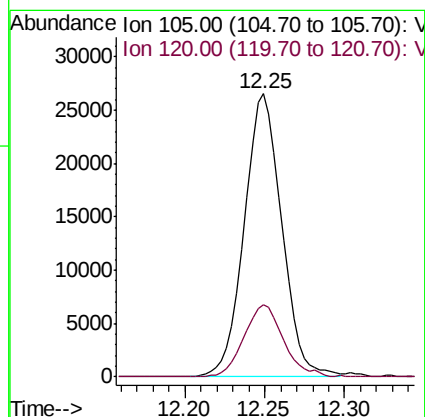
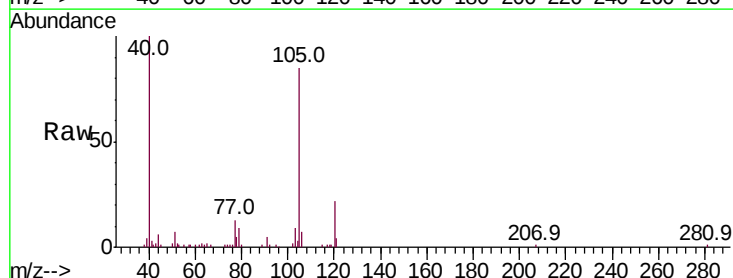
RT: 12.25 min Scan# 3258

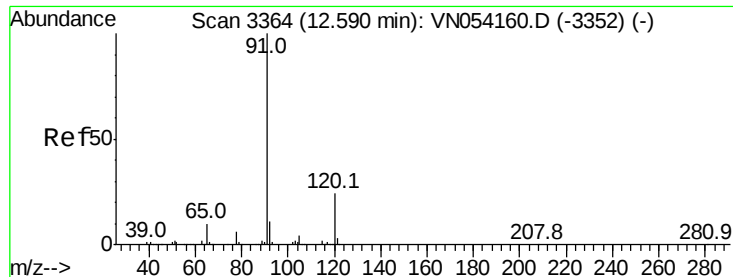
Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.8	41.3





#78

n-propylbenzene

Concen: 1.275 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion: 91 Resp: 103386

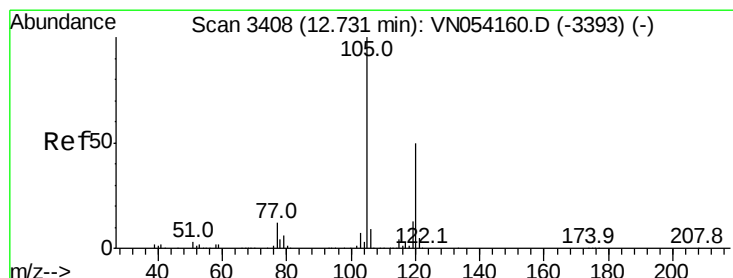
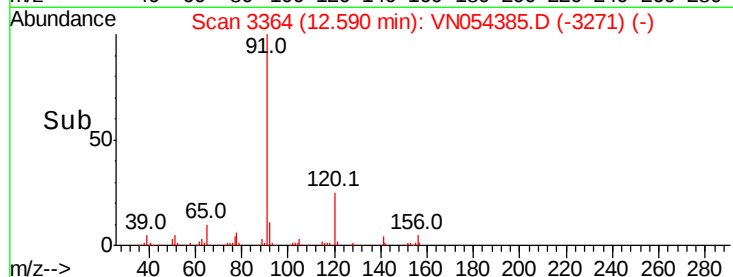
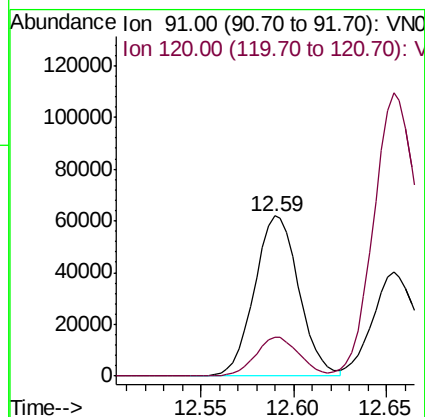
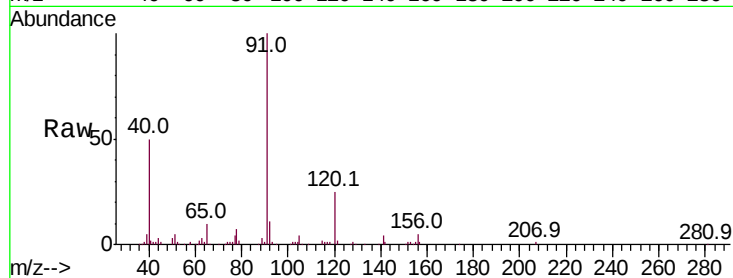
Ion Ratio Lower Upper

91 100

120 24.0 12.3 36.9

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:23:46 AM



#80

1,3,5-Trimethylbenzene

Concen: 4.675 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054385.D

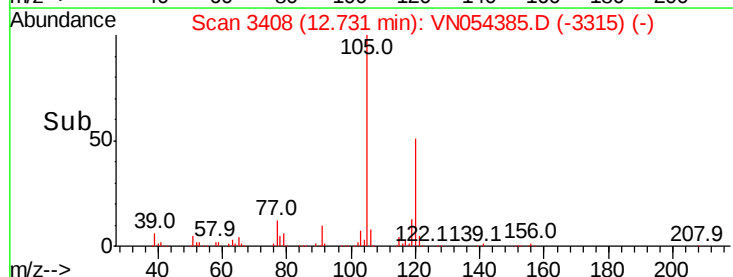
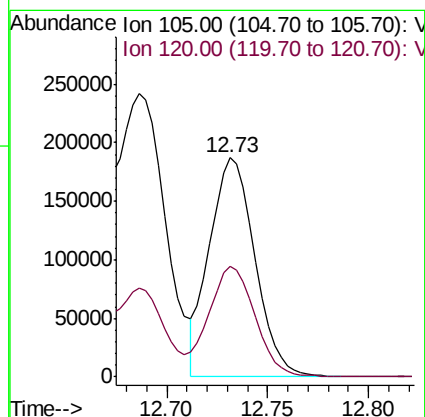
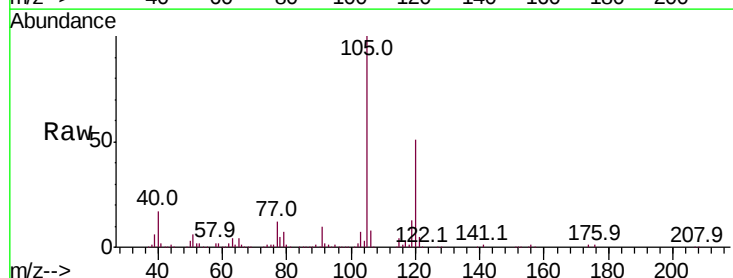
Acq: 18 Mar 2019 11:15

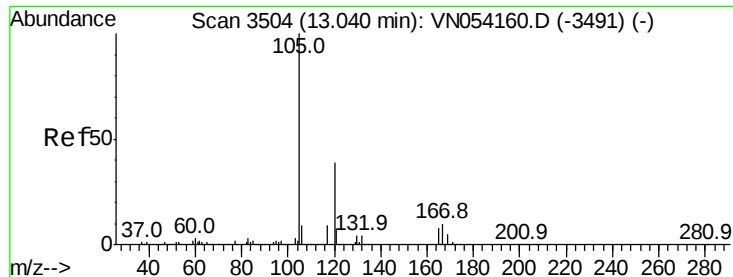
Tgt Ion: 105 Resp: 290629

Ion Ratio Lower Upper

105 100

120 52.0 25.0 75.0





#84

1,2,4-Trimethylbenzene

Concen: 27.194 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tot Ion:105 Resp: 1658444

Ion Ratio Lower Upper

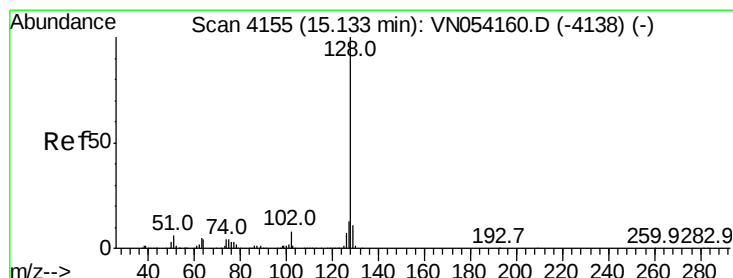
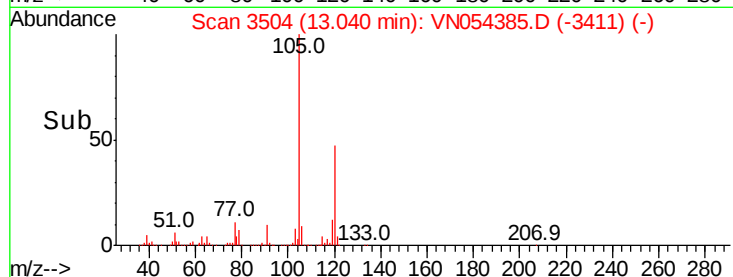
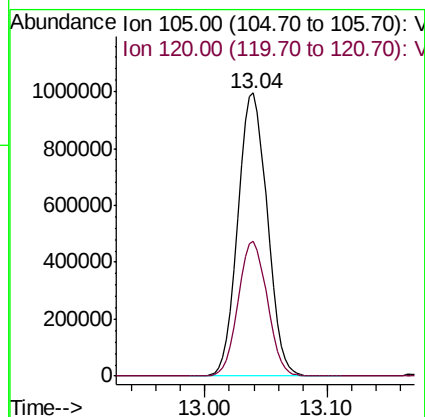
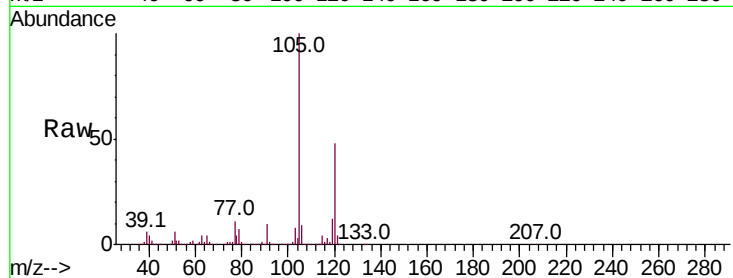
105 100

120 47.0 23.4 70.3

Manual Integrations
APPROVED

MMDadoda

3/19/2019 9:23:46 AM



#95

Naphthalene

Concen: 12.036 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054385.D

Acq: 18 Mar 2019 11:15

Tgt Ion:128 Resp: 377122

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.9 8.7 13.1

