

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051535.D
 Acq On : 26 Sep 2018 13:38
 Operator : MD\SY
 Sample : J5053-05DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW12-GWDL

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:55:21 AM

Quant Time: Sep 28 11:02:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	867228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1313945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1065627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	438620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	538814	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
35) Dibromofluoromethane	7.59	113	485668	46.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.44%	
50) Toluene-d8	10.09	98	1809956	45.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.50%	
62) 4-Bromofluorobenzene	12.40	95	535774	41.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.72%	
Target Compounds						
40) Benzene	8.04	78	210131	4.703	ug/l	100
52) Toluene	10.16	92	1451404	52.275	ug/l	98
67) Ethyl Benzene	11.51	91	1438344	31.217	ug/l	100
68) m/p-Xylenes	11.62	106	1222092	68.570	ug/l	99
69) o-Xylene	11.95	106	1292269	75.423	ug/l	97
73) Isopropylbenzene	12.25	105	58578	1.583	ug/l	96
78) n-propylbenzene	12.59	91	167369	4.013	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	352324	11.675	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1204715	39.618	ug/l	100
95) Naphthalene	15.14	128	203513	18.516	ug/l	99

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

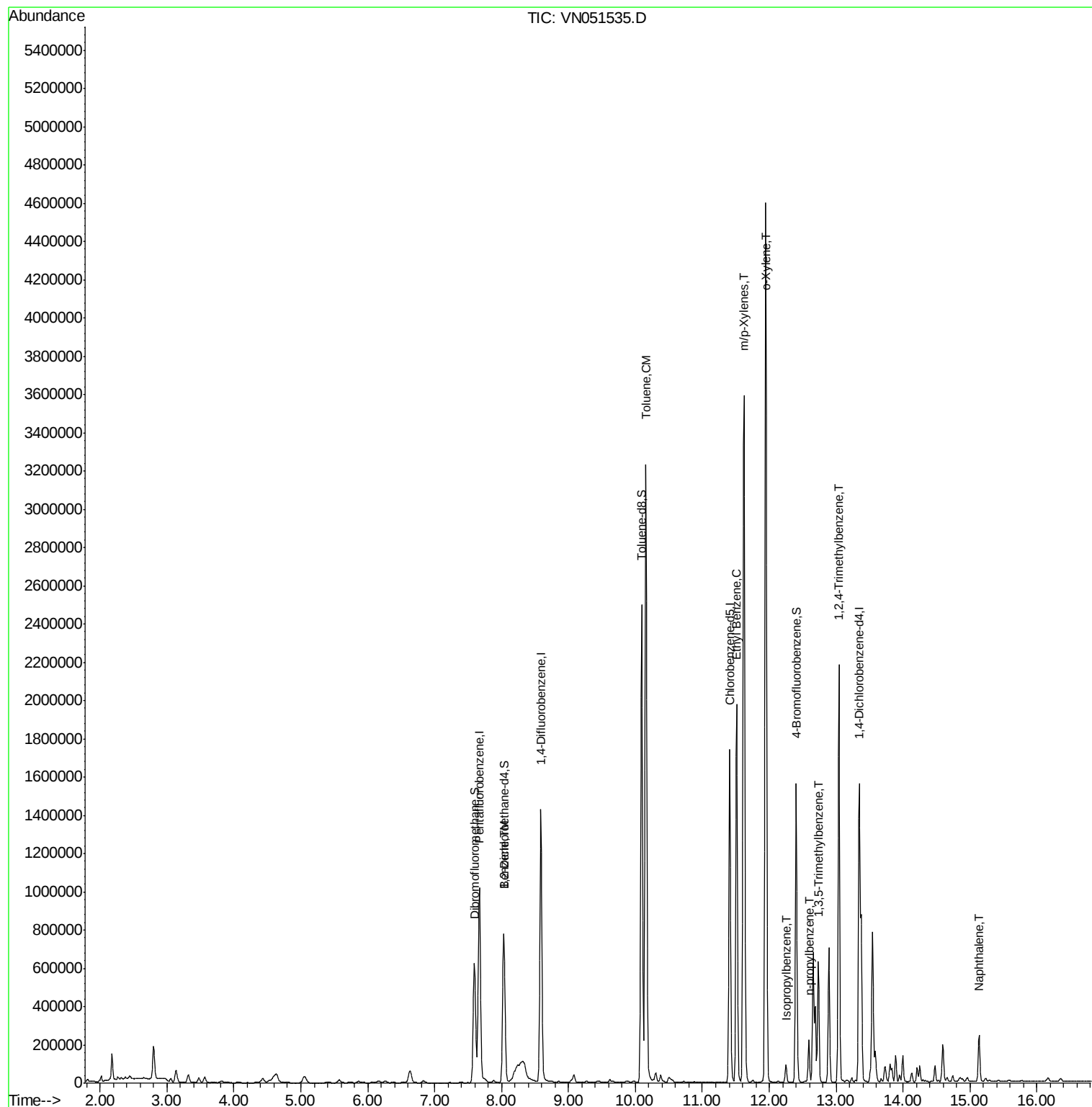
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051535.D
Acq On : 26 Sep 2018 13:38
Operator : MD\SY
Sample : J5053-05DL 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 51 Sample Multiplier: 1

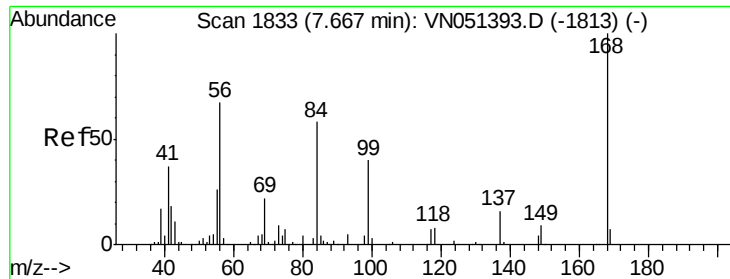
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GWDL

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:55:21 AM

Quant Time: Sep 28 11:02:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051535.D

Acq: 26 Sep 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW12-GWDL

Tgt Ion: 168 Resp: 867228

Ion Ratio Lower Upper

168 100

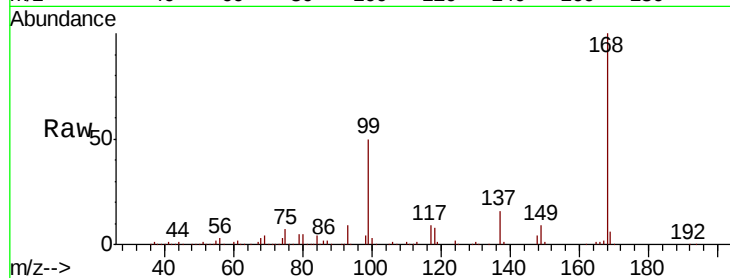
99 50.2 40.2 60.2

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:55:21 AM



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

400000

300000

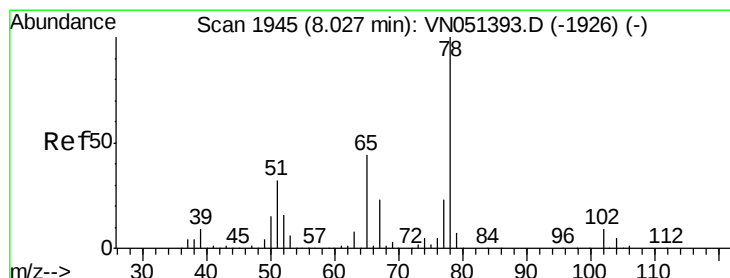
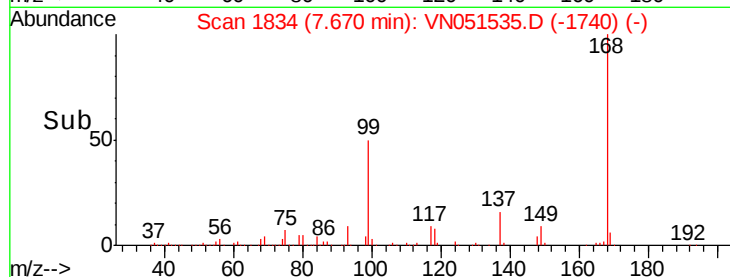
200000

100000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.598 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051535.D

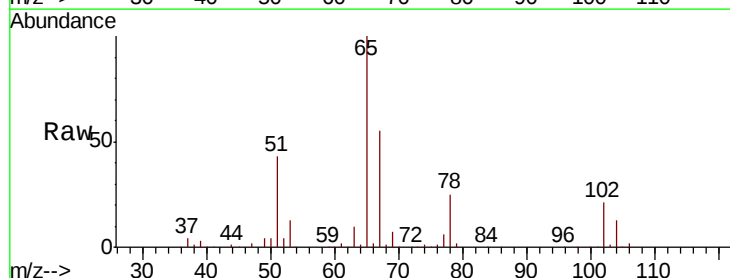
Acq: 26 Sep 2018 13:38

Tgt Ion: 65 Resp: 538814

Ion Ratio Lower Upper

65 100

67 55.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051393.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051393.D (-1926) (-)

8.03

250000

200000

150000

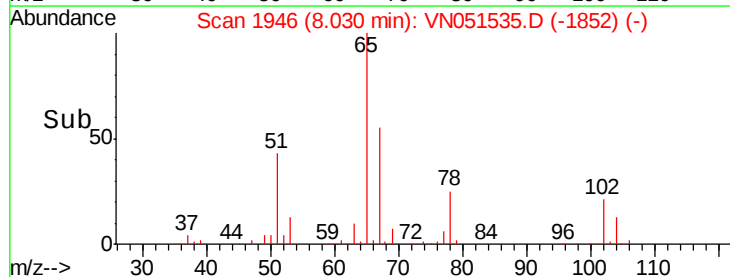
100000

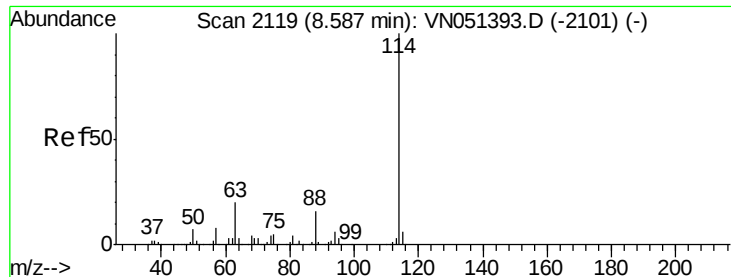
50000

0

7.90 8.00 8.10

Time-->





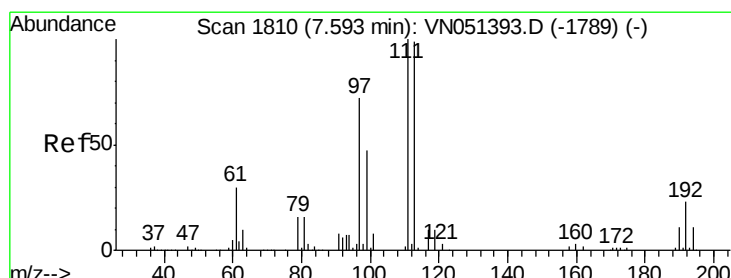
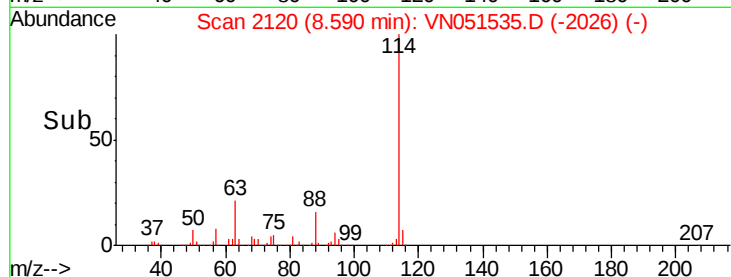
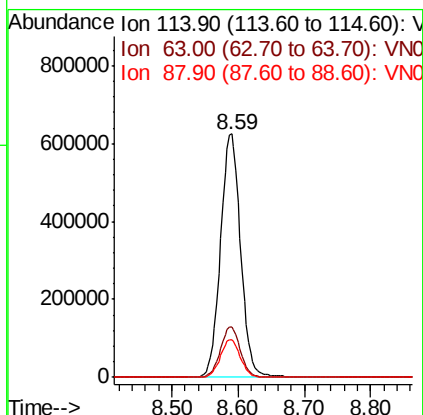
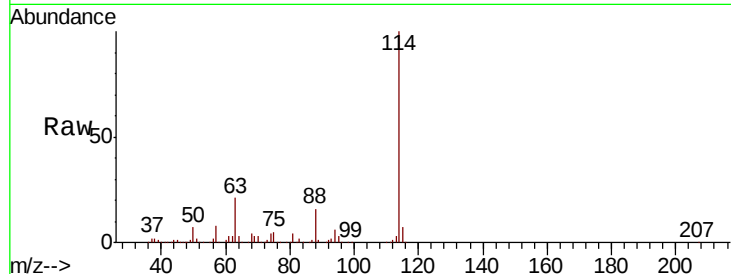
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051535.D
 Acq: 26 Sep 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW12-GWDL

Tgt Ion:114 Resp: 1313945
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.2
 88 15.5 0.0 31.4

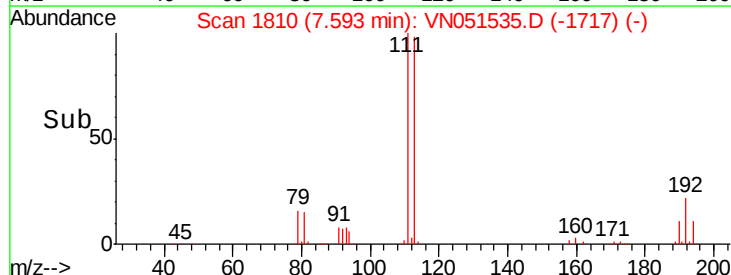
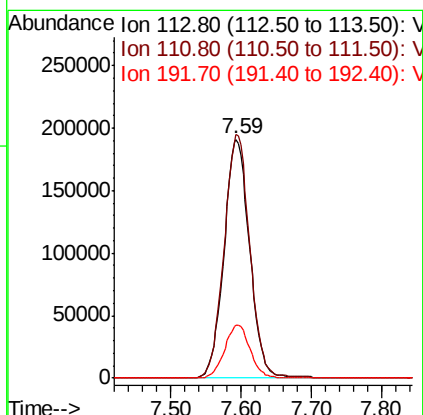
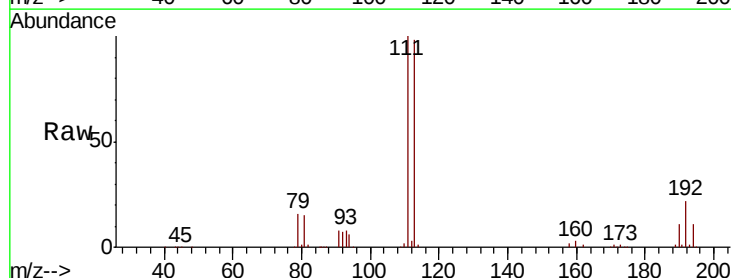
Manual Integrations
 APPROVED

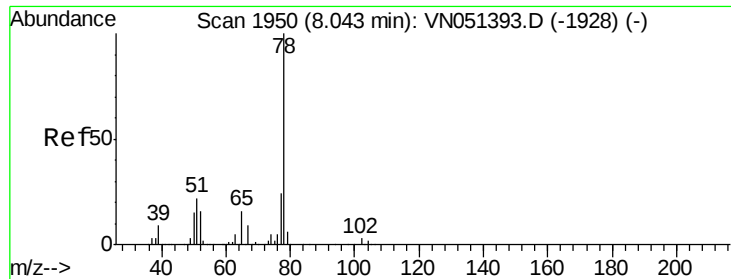
mmdadoda
 9/30/2018 9:55:21 AM



#35
 Dibromofluoromethane
 Concen: 46.223 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051535.D
 Acq: 26 Sep 2018 13:38

Tgt Ion:113 Resp: 485668
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 22.0 18.0 27.0





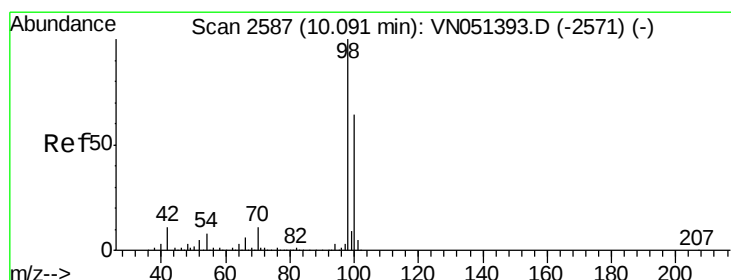
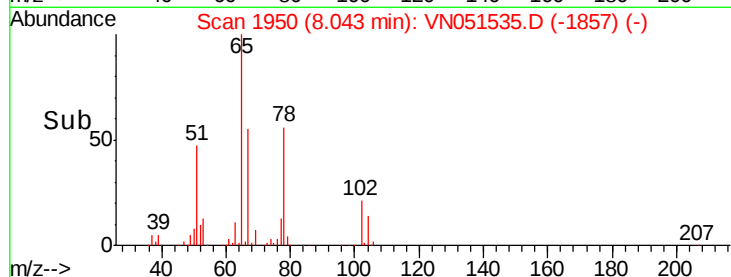
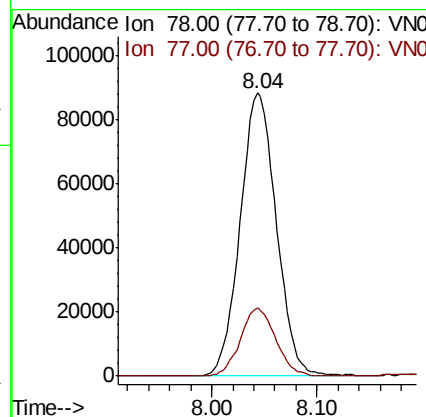
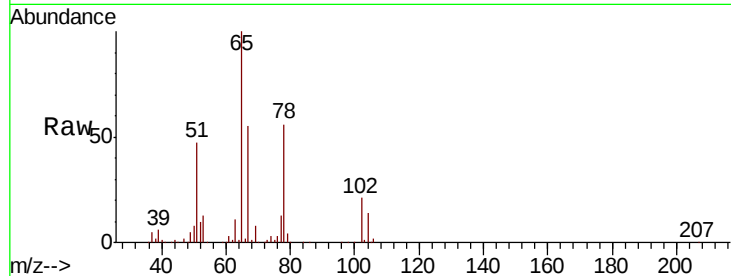
#40
Benzene
Concen: 4.703 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051535.D
Acq: 26 Sep 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GWDL

Tgt Ion: 78 Resp: 210131
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8

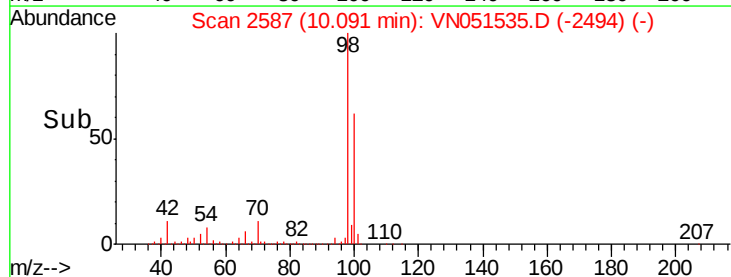
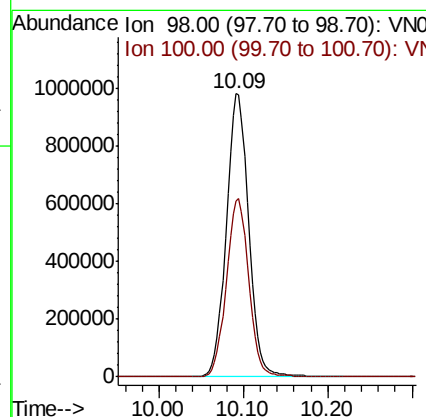
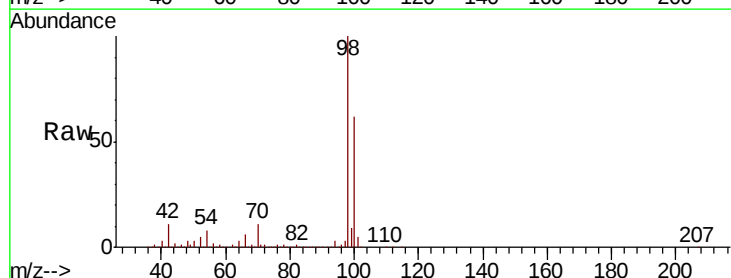
Manual Integrations
APPROVED

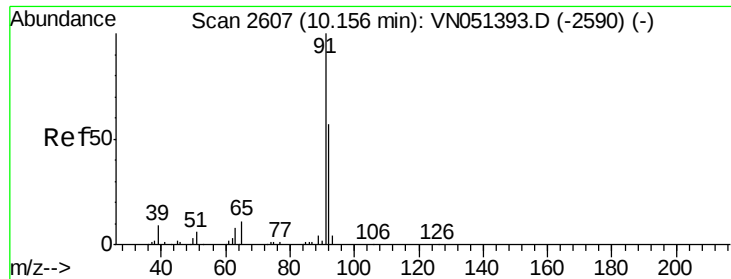
mmdadoda
9/30/2018 9:55:21 AM



#50
Toluene-d8
Concen: 45.746 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051535.D
Acq: 26 Sep 2018 13:38

Tgt Ion: 98 Resp: 1809956
Ion Ratio Lower Upper
98 100
100 63.0 50.6 75.8





#52

Toluene

Concen: 52.275 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051535.D

Acq: 26 Sep 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW12-GWDL

Tgt Ion: 92 Resp: 1451404

Ion Ratio Lower Upper

92 100

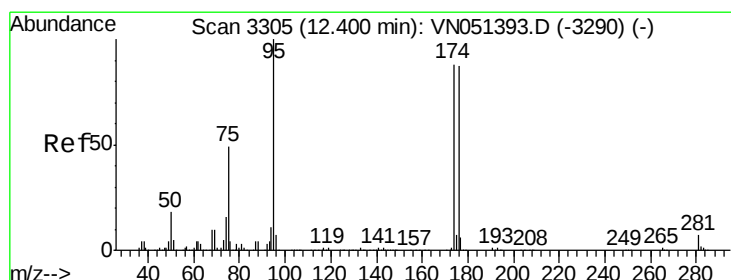
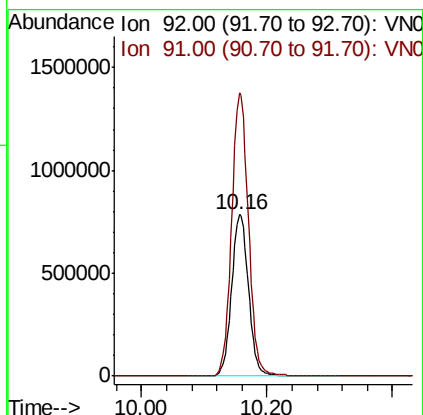
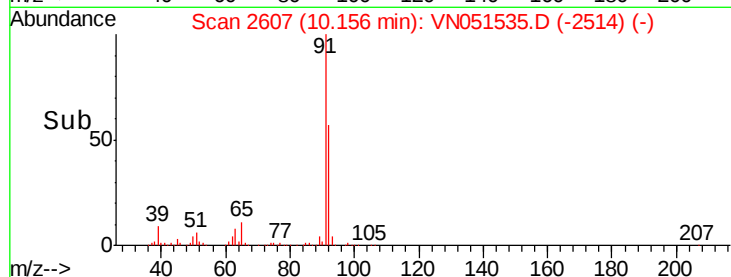
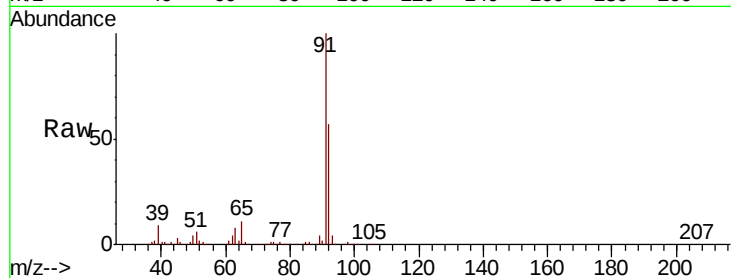
91 174.8 142.2 213.4

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:55:21 AM



#62

4-Bromofluorobenzene

Concen: 41.859 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051535.D

Acq: 26 Sep 2018 13:38

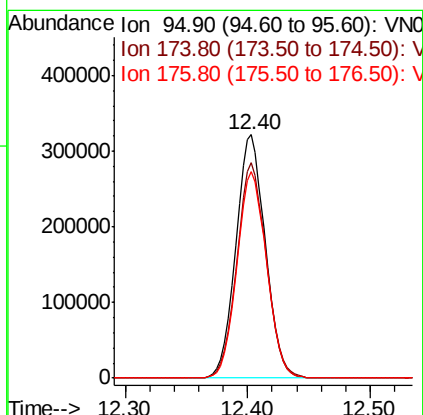
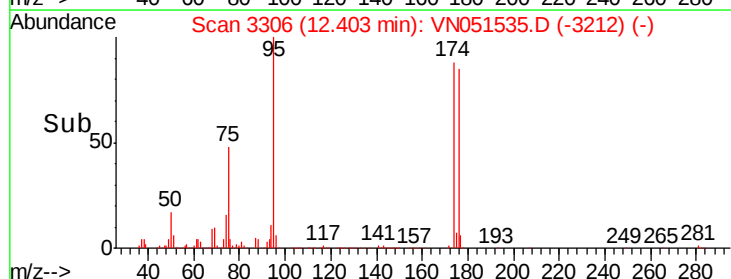
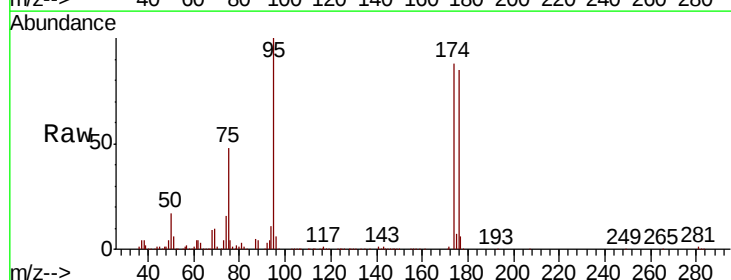
Tgt Ion: 95 Resp: 535774

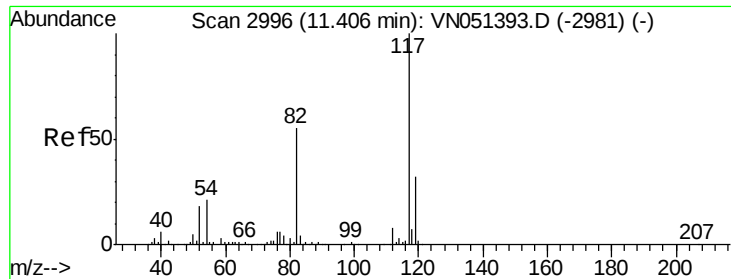
Ion Ratio Lower Upper

95 100

174 88.4 0.0 181.6

176 85.2 0.0 176.4





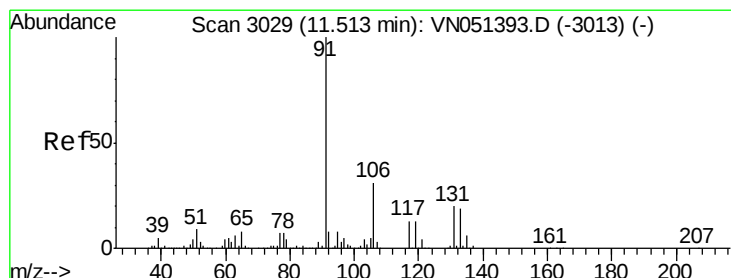
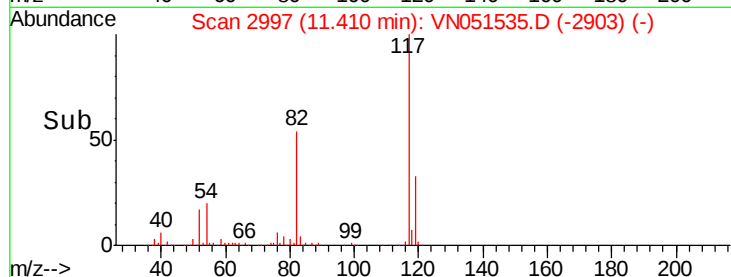
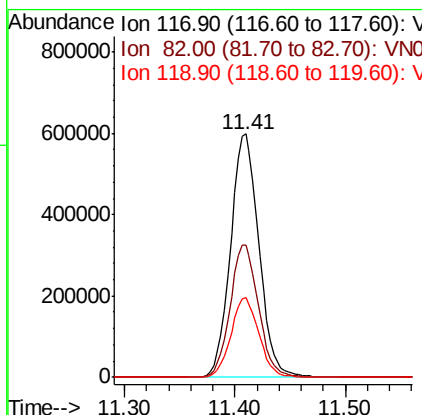
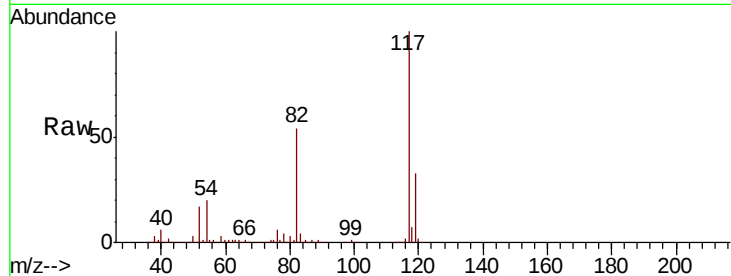
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051535.D
Acq: 26 Sep 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GWDL

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.6	25.9	38.9

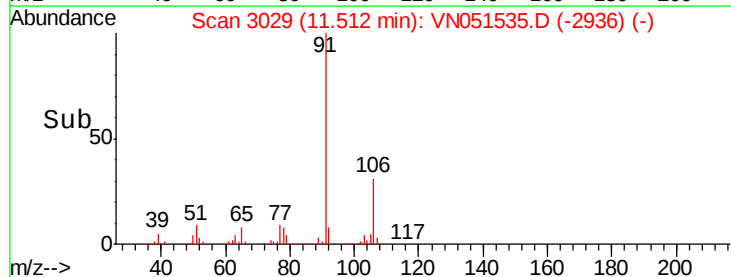
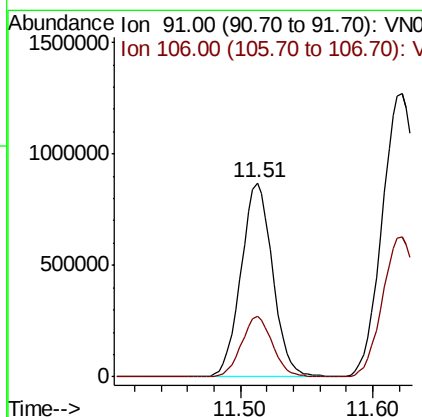
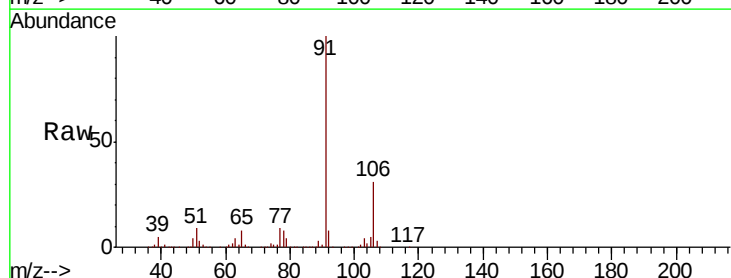
Manual Integrations
APPROVED

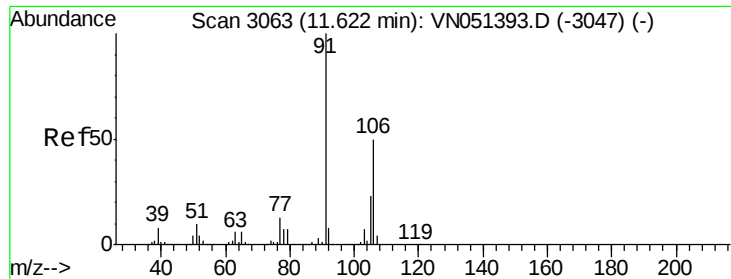
mmdadoda
9/30/2018 9:55:21 AM



#67
Ethyl Benzene
Concen: 31.217 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051535.D
Acq: 26 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.0	37.4





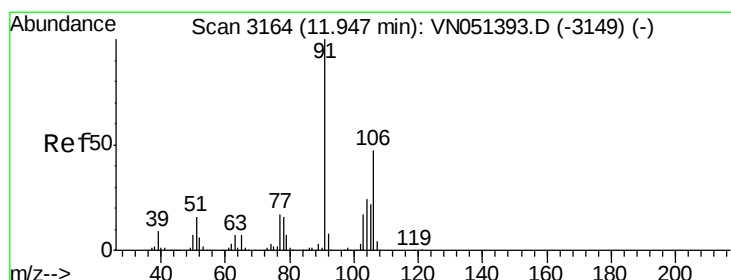
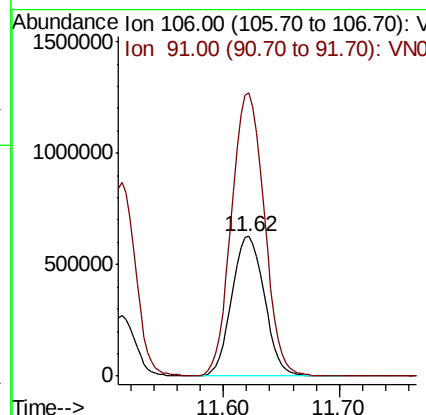
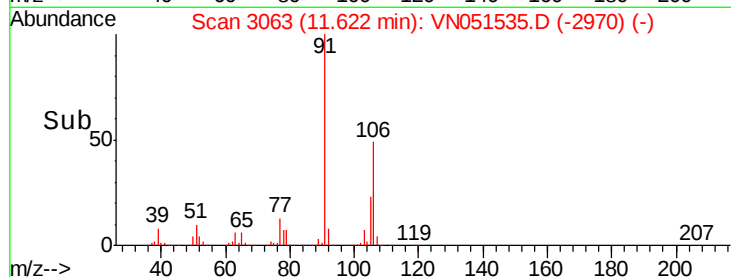
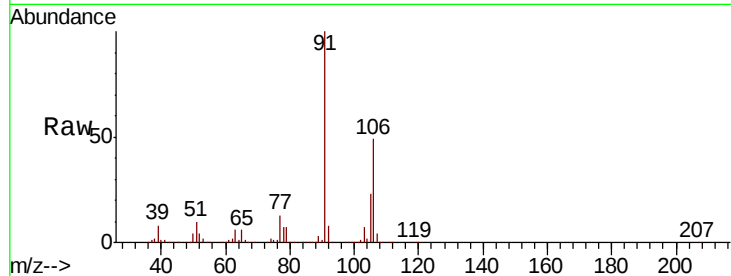
#68
m/p-Xylenes
Concen: 68.570 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051535.D
Acq: 26 Sep 2018 13:38

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW12-GWDL

Tgt Ion:106 Resp: 1222092
Ion Ratio Lower Upper
106 100
91 203.5 161.3 241.9

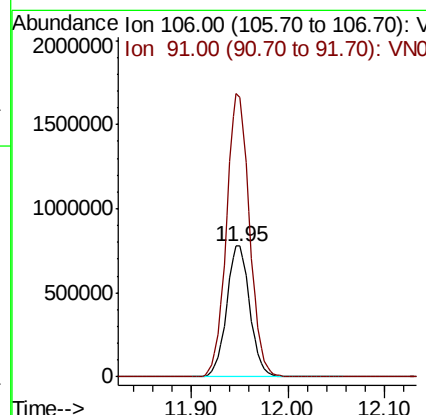
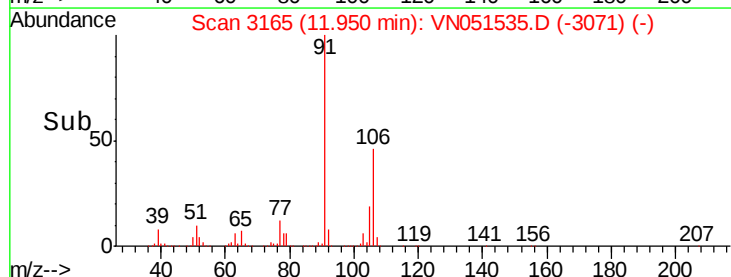
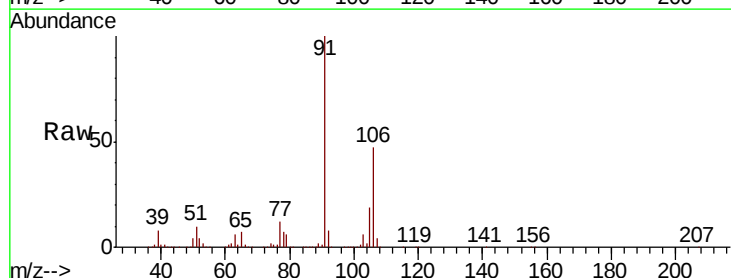
Manual Integrations
APPROVED

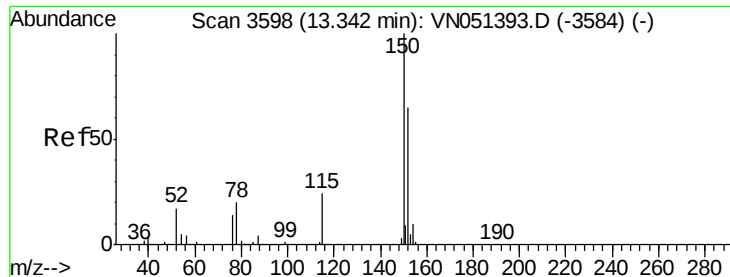
mmdadoda
9/30/2018 9:55:21 AM



#69
o-Xylene
Concen: 75.423 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051535.D
Acq: 26 Sep 2018 13:38

Tgt Ion:106 Resp: 1292269
Ion Ratio Lower Upper
106 100
91 215.2 105.3 315.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051535.D

Acq: 26 Sep 2018 13:38

Instrument :

MSVOA_N

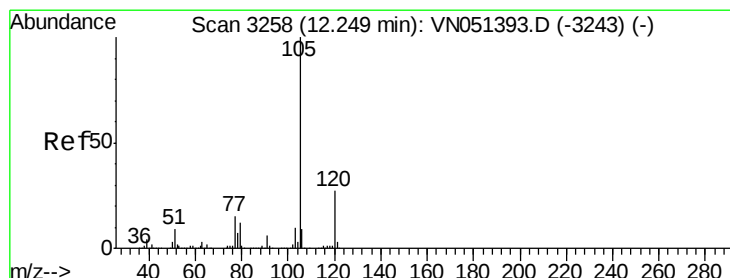
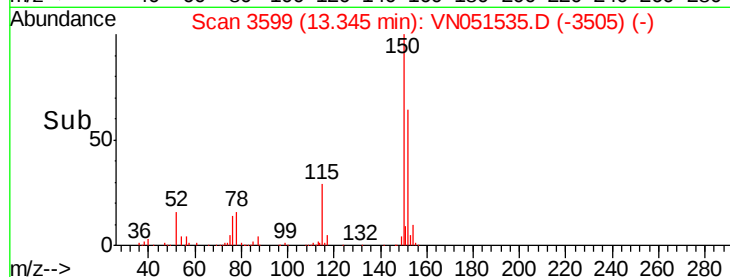
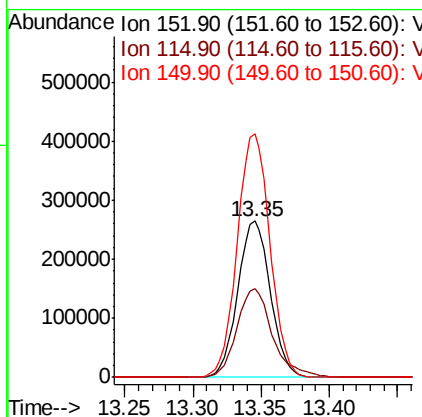
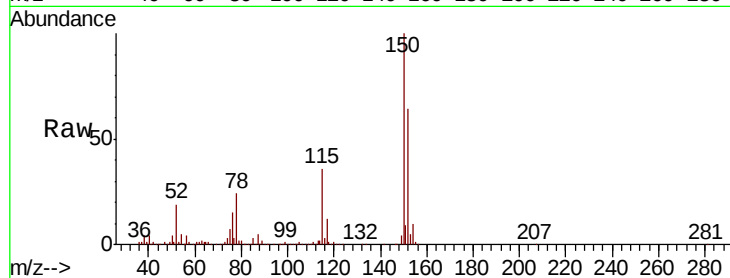
ClientSampleId :

RFK-RMAB-MW12-GWDL

Tgt Ion:	152	Resp:	438620
Ion Ratio	Lower	Upper	
152	100		
115	61.8	28.3	84.9
150	156.6	0.0	353.6

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:55:21 AM



#73

Isopropylbenzene

Concen: 1.583 ug/l

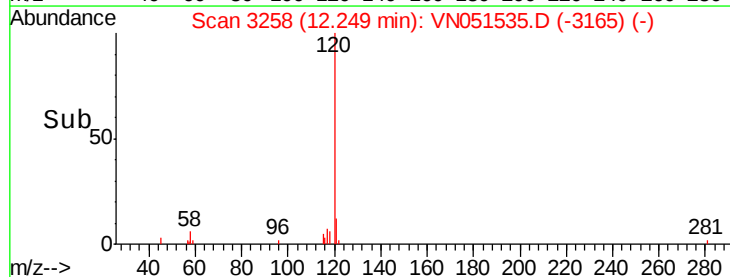
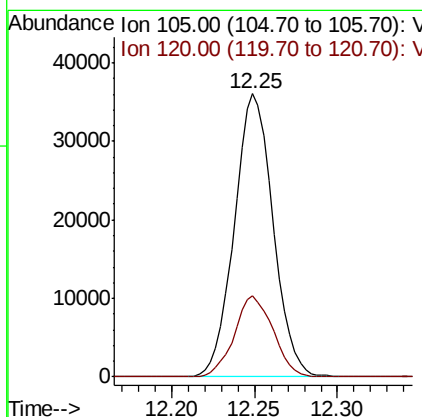
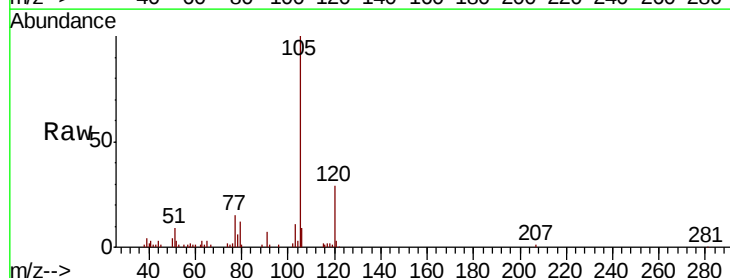
RT: 12.25 min Scan# 3258

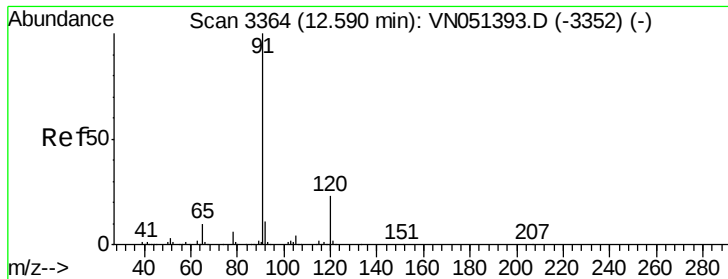
Delta R.T. -0.00 min

Lab File: VN051535.D

Acq: 26 Sep 2018 13:38

Tgt Ion:	105	Resp:	58578
Ion Ratio	Lower	Upper	
105	100		
120	28.6	13.3	39.8





#78

n-propylbenzene

Concen: 4.013 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051535.D

Acq: 26 Sep 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW12-GWDL

Tgt Ion: 91 Resp: 167369

Ion Ratio Lower Upper

91 100

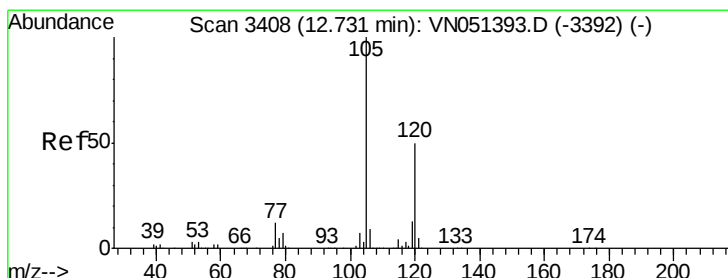
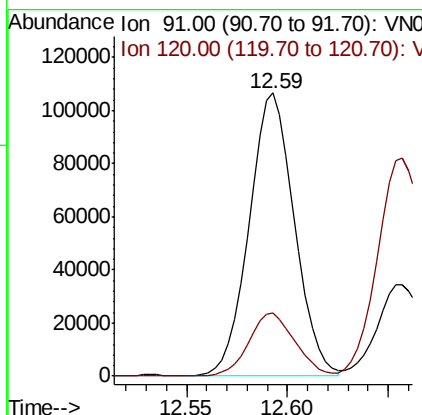
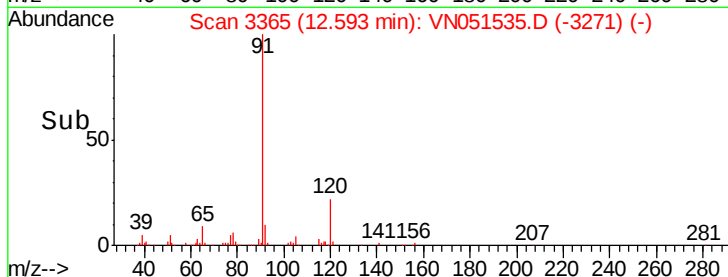
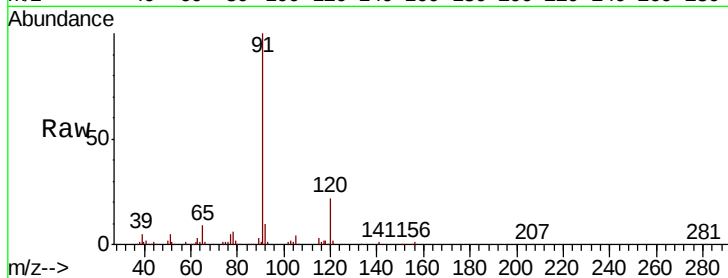
120 22.6 11.9 35.5

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:55:21 AM



#80

1,3,5-Trimethylbenzene

Concen: 11.675 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051535.D

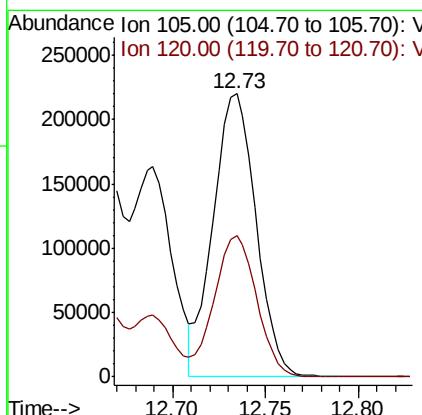
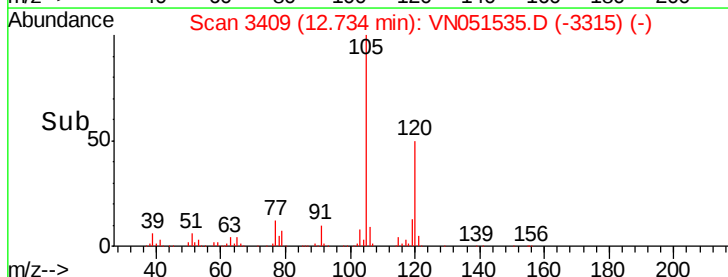
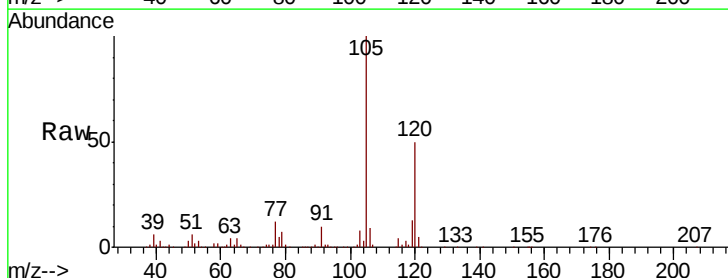
Acq: 26 Sep 2018 13:38

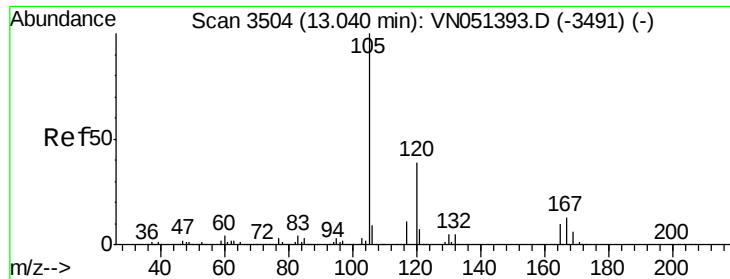
Tgt Ion: 105 Resp: 352324

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4





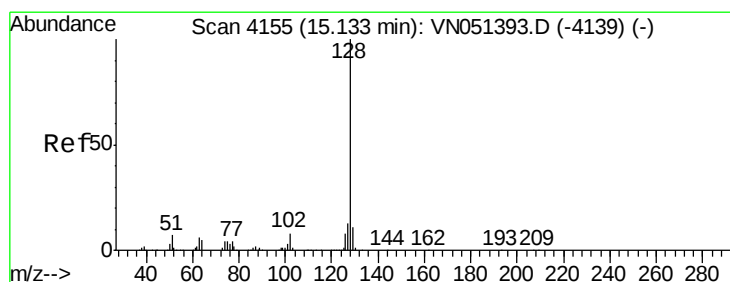
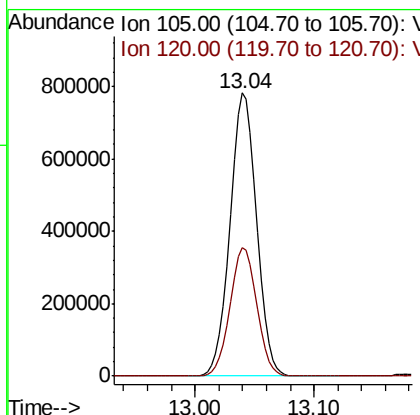
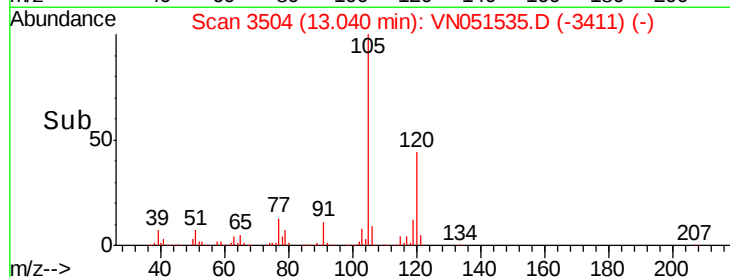
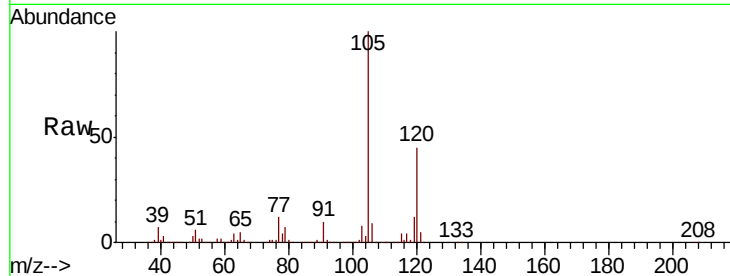
#84
 1,2,4-Trimethylbenzene
 Concen: 39.618 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051535.D
 Acq: 26 Sep 2018 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW12-GWDL

Tgt Ion:105 Resp: 1204715
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:55:21 AM



#95
 Naphthalene
 Concen: 18.516 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051535.D
 Acq: 26 Sep 2018 13:38

Tgt Ion:128 Resp: 203513
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 10.8 8.6 12.8

