

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051534.D
 Acq On : 26 Sep 2018 13:13
 Operator : MD\SY
 Sample : J5053-02DL 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:55:15 AM

Quant Time: Sep 27 17:50:11 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	817030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1266895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1029642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	415842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	521613	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
35) Dibromofluoromethane	7.59	113	474987	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
50) Toluene-d8	10.09	98	1764235	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	515594	41.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.56%	
Target Compounds						
40) Benzene	8.04	78	91014	2.113	ug/l	93
52) Toluene	10.16	92	57709	2.156	ug/l	98
67) Ethyl Benzene	11.51	91	997885	22.414	ug/l	99
68) m/p-Xylenes	11.62	106	1961975	113.931	ug/l	99
69) o-Xylene	11.95	106	1071959	64.751	ug/l	97
73) Isopropylbenzene	12.25	105	49007	1.397	ug/l	100
78) n-propylbenzene	12.59	91	116827	2.954	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	359994	12.583	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1550495	53.782	ug/l	100
95) Naphthalene	15.13	128	251204	21.678	ug/l	100

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

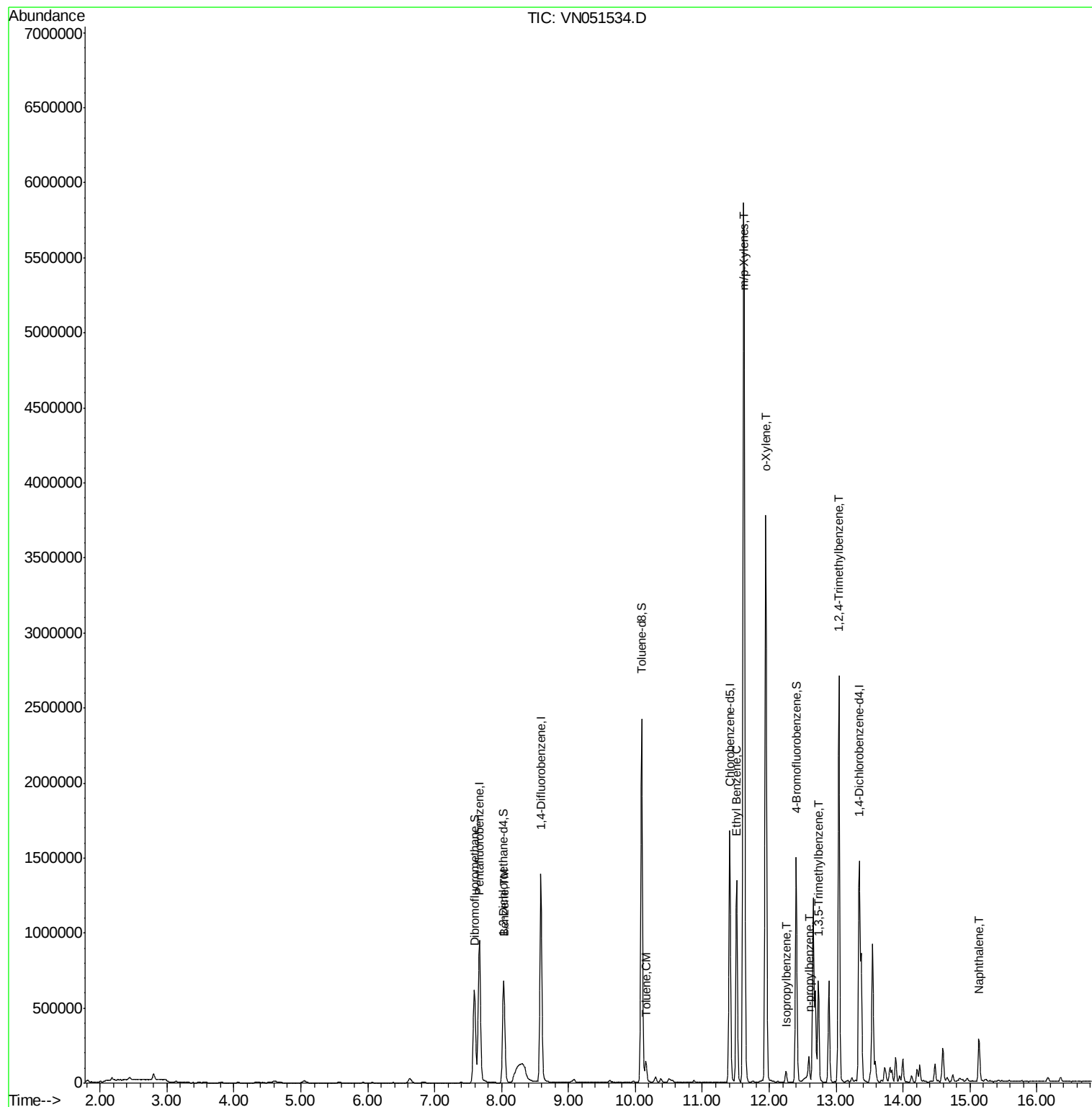
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
Data File : VN051534.D
Acq On : 26 Sep 2018 13:13
Operator : MD\SY
Sample : J5053-02DL 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 50 Sample Multiplier: 1

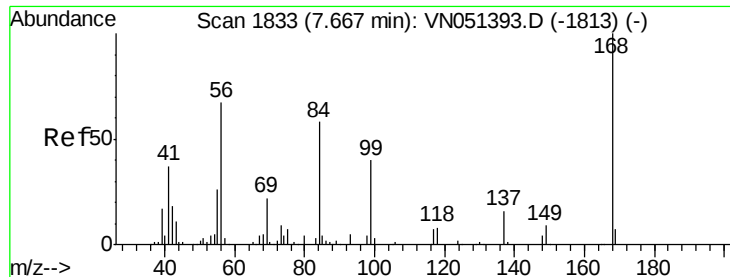
Instrument :
MSVOA_N
ClientSampleId :
RKF-RMAB-MW08-GWDL

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:55:15 AM

Quant Time: Sep 27 17:50:11 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# 1833

Delta R.T. -0.00 min

Lab File: VN051534.D

Acq: 26 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tgt Ion:168 Resp: 817030

Ion Ratio Lower Upper

168 100

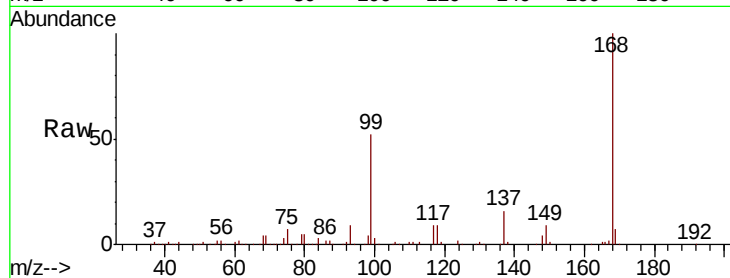
99 52.4 40.2 60.2

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:55:15 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

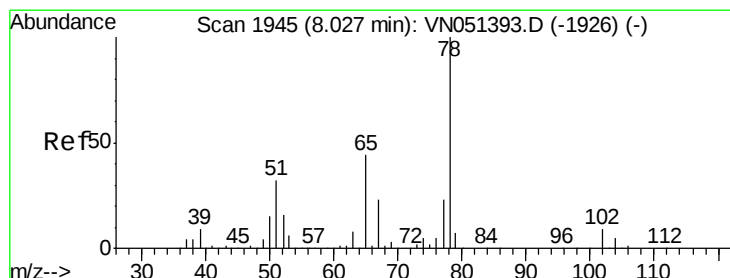
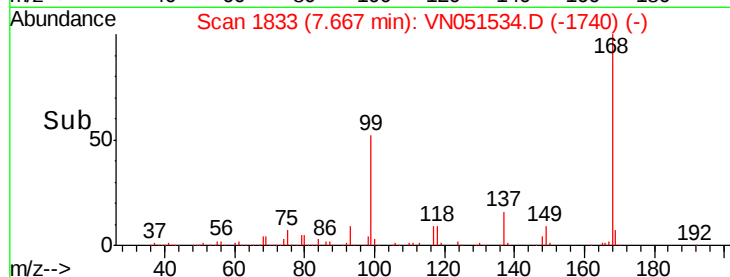
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 50.965 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051534.D

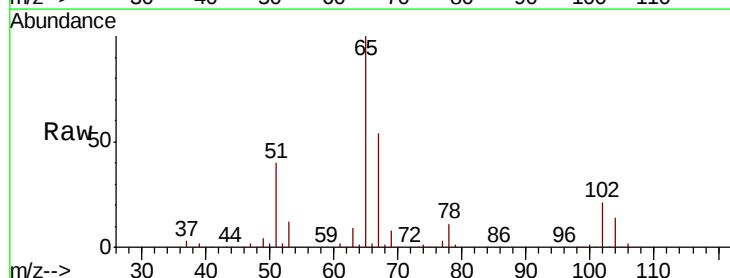
Acq: 26 Sep 2018 13:13

Tgt Ion: 65 Resp: 521613

Ion Ratio Lower Upper

65 100

67 55.1 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

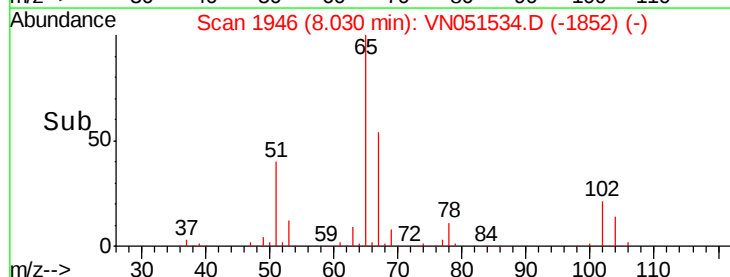
150000

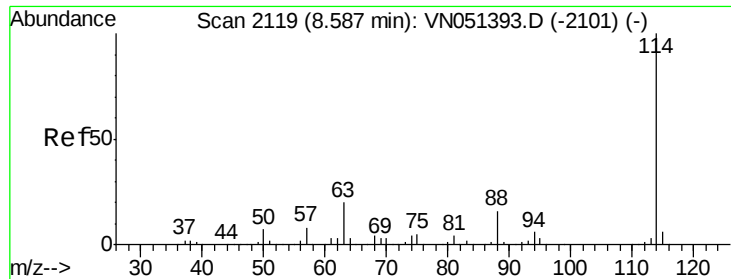
100000

50000

0

Time--> 7.95 8.00 8.05 8.10





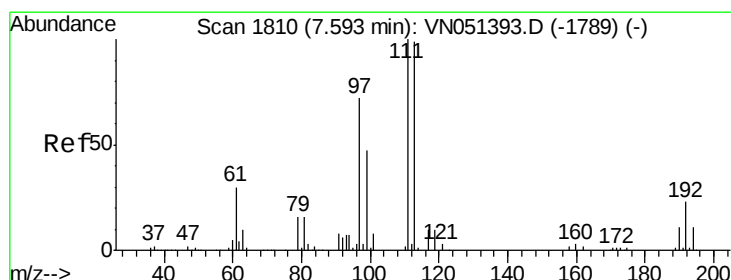
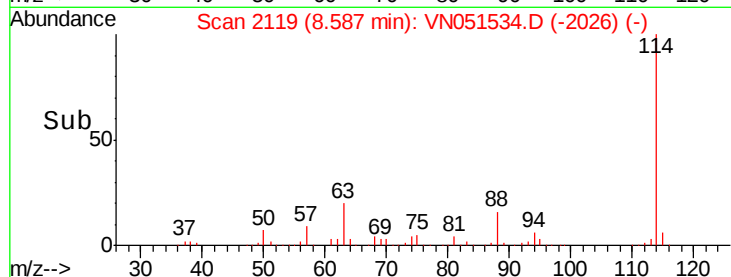
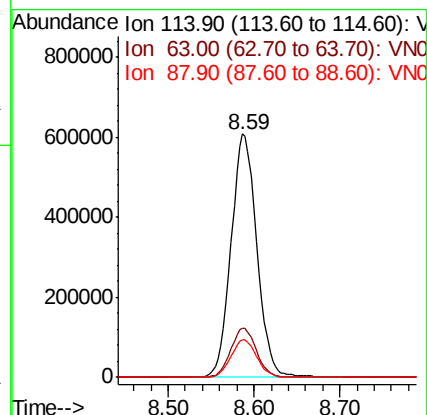
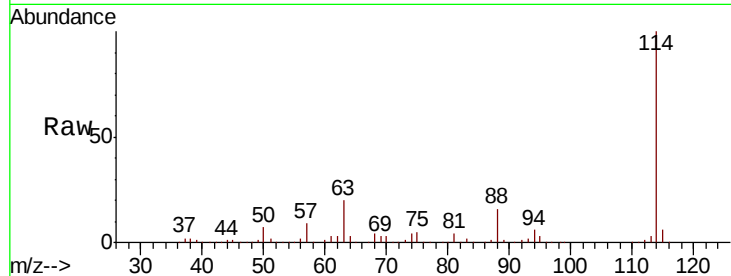
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	15.7	0.0	31.4

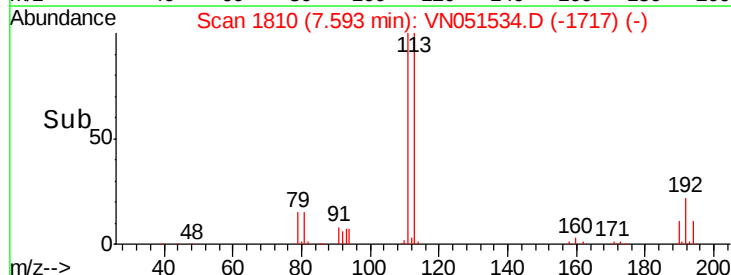
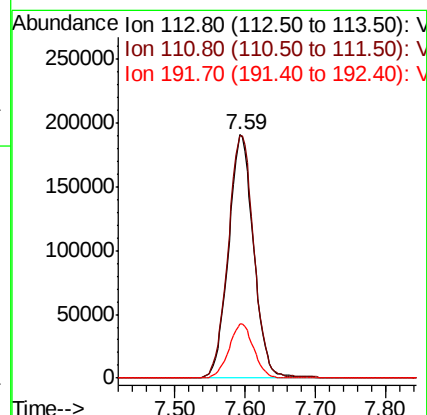
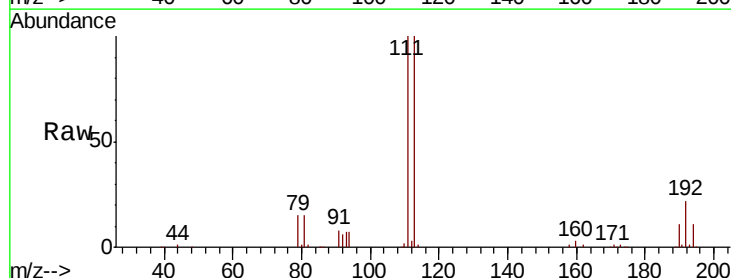
Manual Integrations
APPROVED

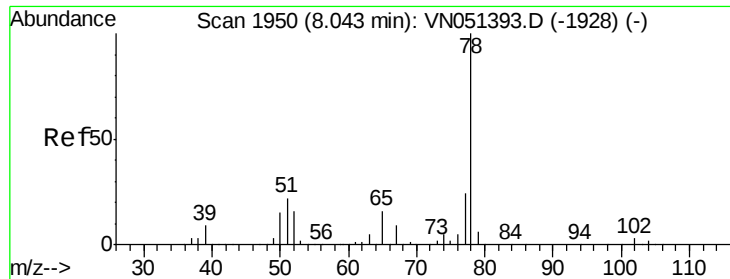
mmdadoda
9/30/2018 9:55:15 AM



#35
Dibromofluoromethane
Concen: 46.886 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	22.0	18.0	27.0





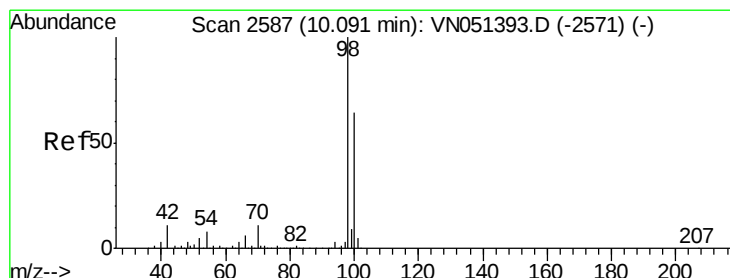
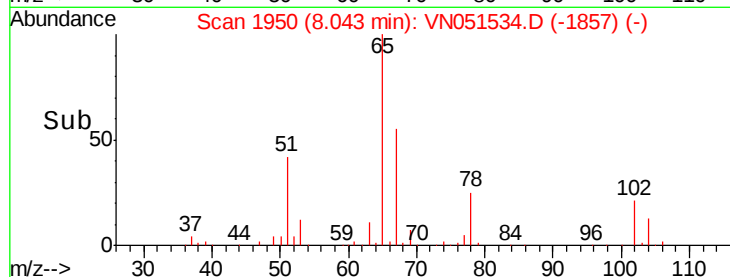
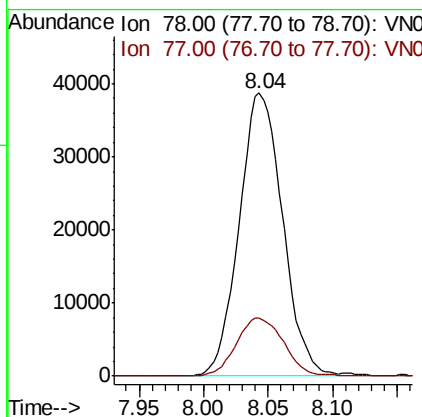
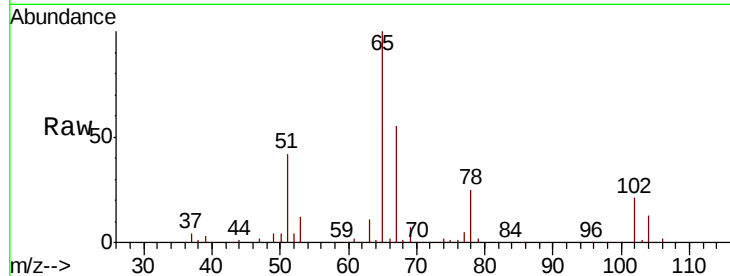
#40
Benzene
Concen: 2.113 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

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

Tgt Ion: 78 Resp: 91014
Ion Ratio Lower Upper
78 100
77 20.6 19.2 28.8

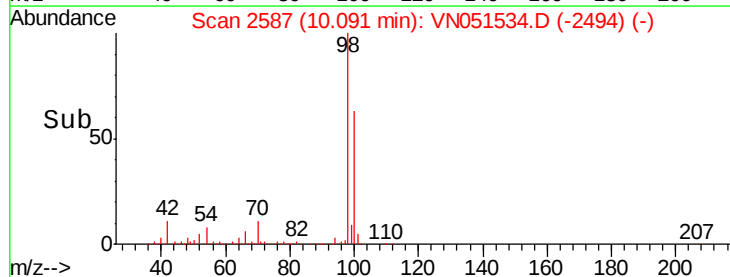
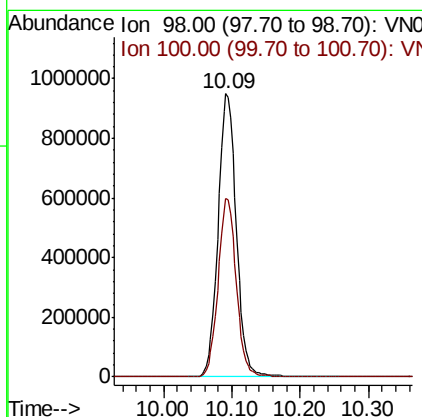
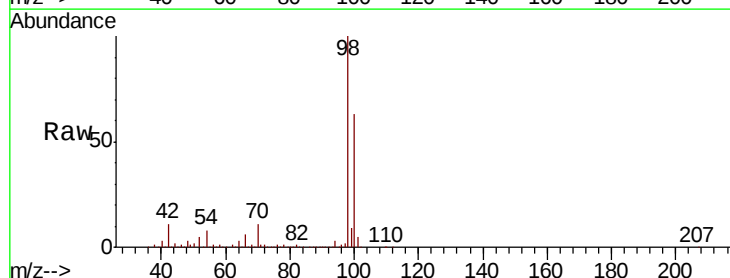
Manual Integrations
APPROVED

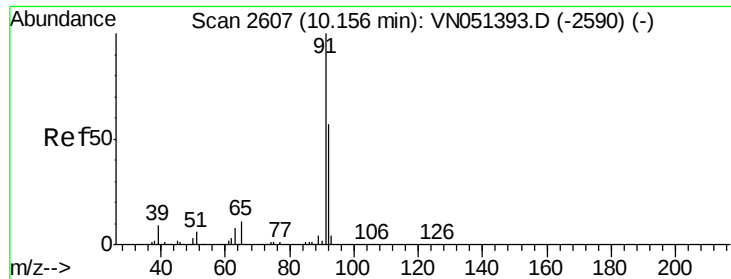
mmdadoda
9/30/2018 9:55:15 AM



#50
Toluene-d8
Concen: 46.246 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

Tgt Ion: 98 Resp: 1764235
Ion Ratio Lower Upper
98 100
100 62.9 50.6 75.8





#52

Toluene

Concen: 2.156 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051534.D

Acq: 26 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GWDL

Tgt Ion: 92 Resp: 57709

Ion Ratio Lower Upper

92 100

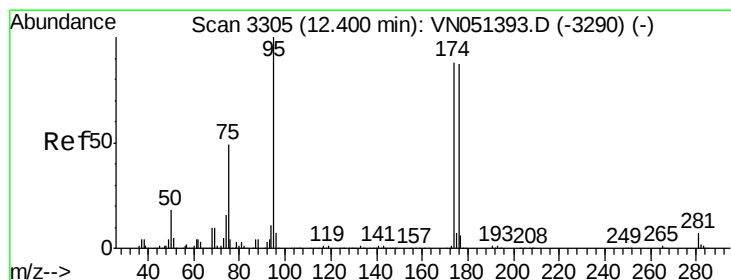
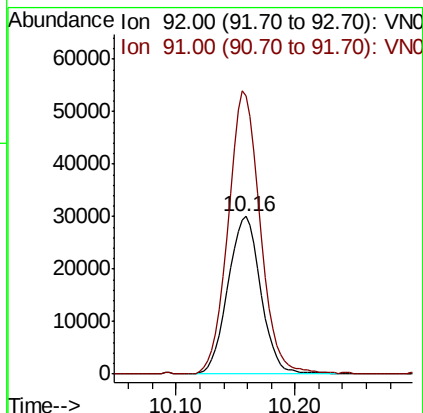
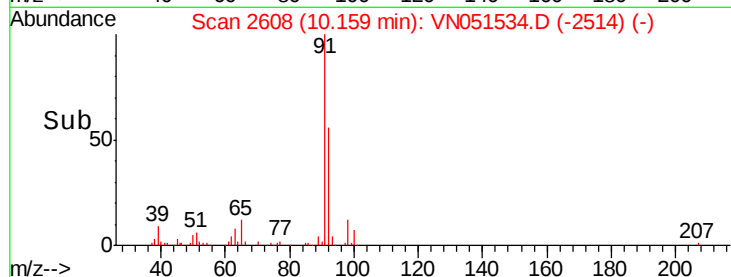
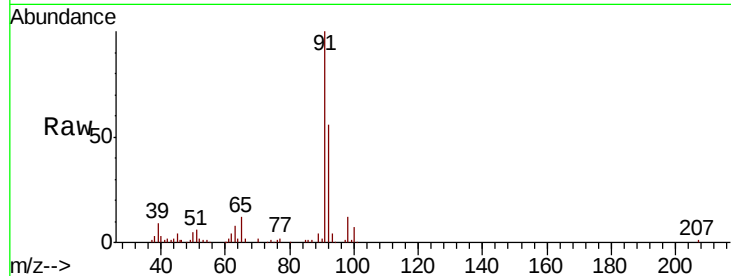
91 174.7 142.2 213.4

Manual Integrations

APPROVED

mmdadoda

9/30/2018 9:55:15 AM



#62

4-Bromofluorobenzene

Concen: 41.779 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051534.D

Acq: 26 Sep 2018 13:13

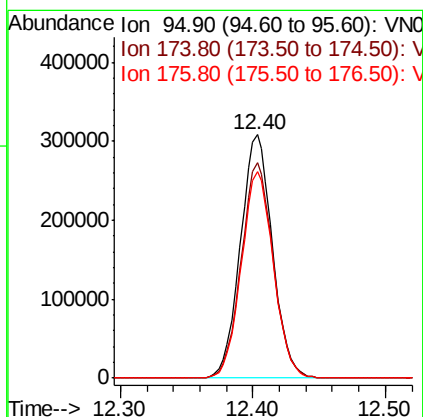
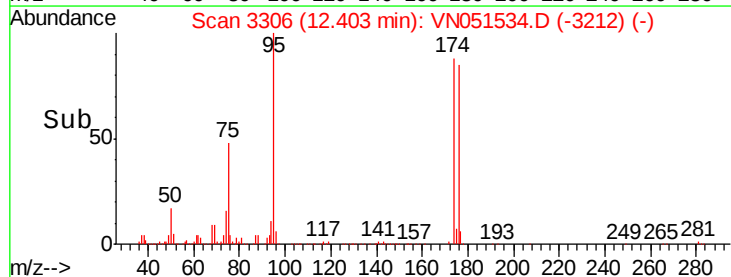
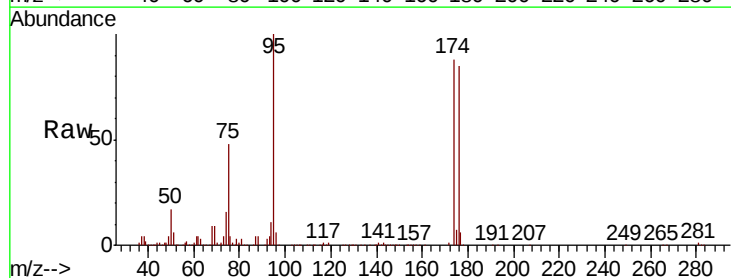
Tgt Ion: 95 Resp: 515594

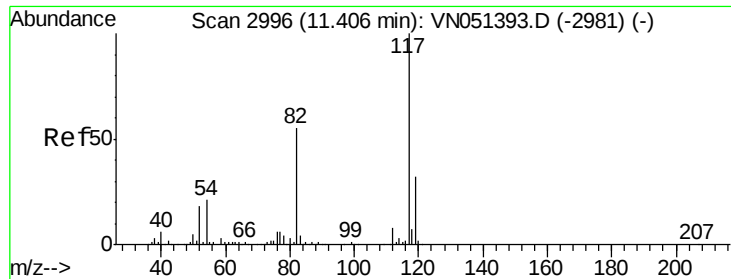
Ion Ratio Lower Upper

95 100

174 88.5 0.0 181.6

176 85.1 0.0 176.4





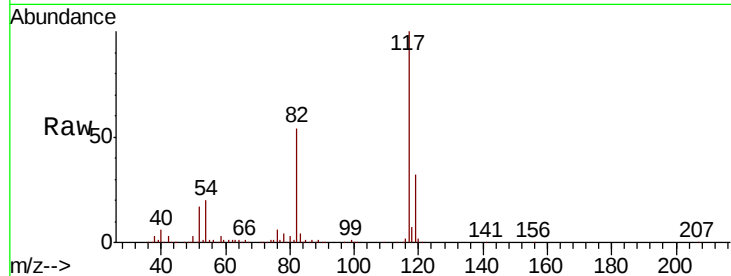
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	31.9	25.9	38.9

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:55:15 AM

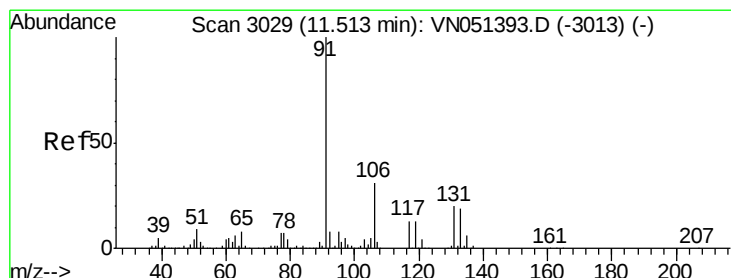
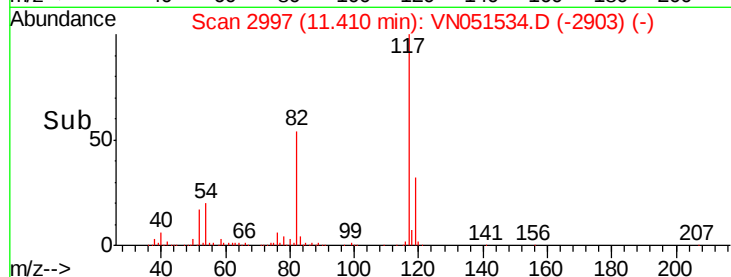
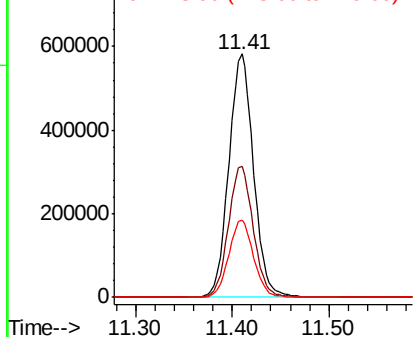


Abundance

Ion 116.90 (116.60 to 117.60): V

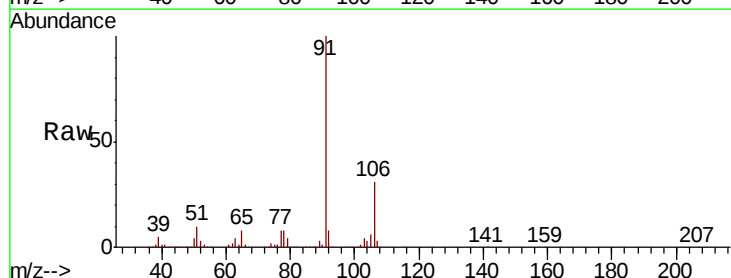
Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67
Ethyl Benzene
Concen: 22.414 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

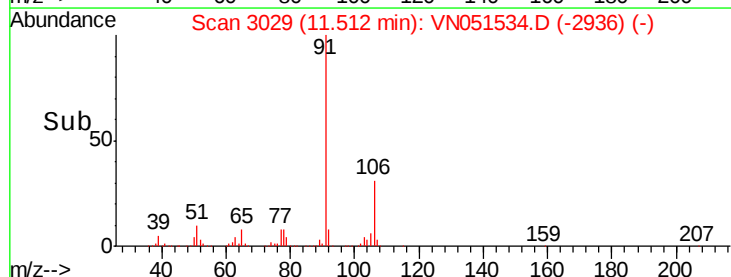
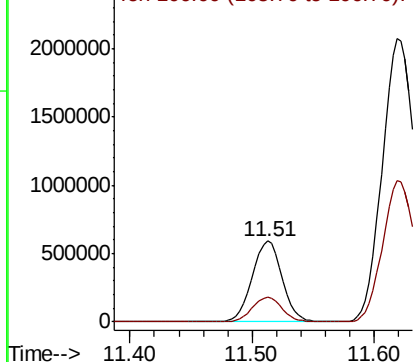
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4

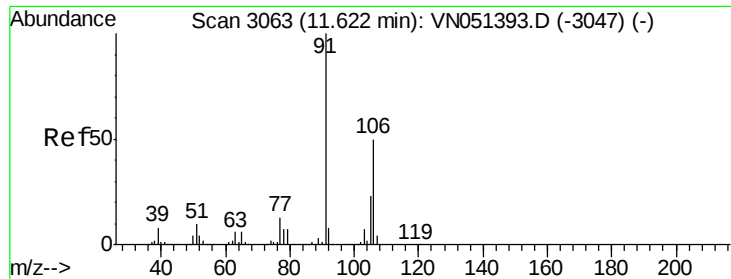


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





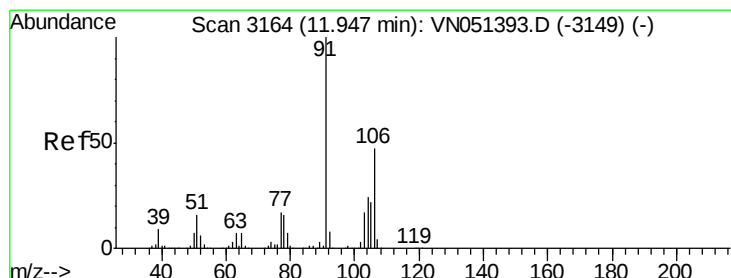
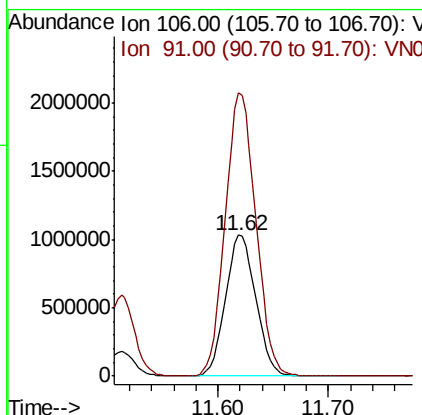
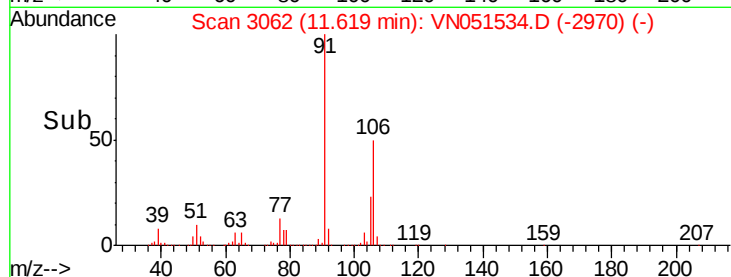
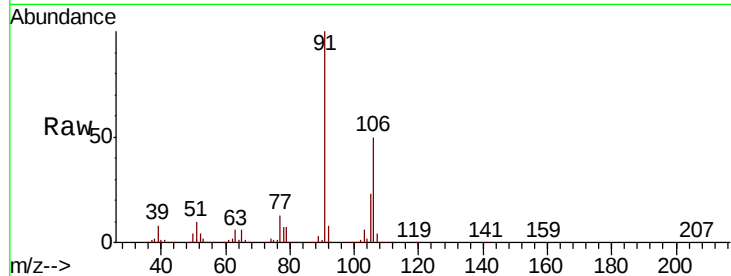
#68
m/p-Xylenes
Concen: 113.931 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

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

Tgt Ion:106 Resp: 1961975
Ion Ratio Lower Upper
106 100
91 203.5 161.3 241.9

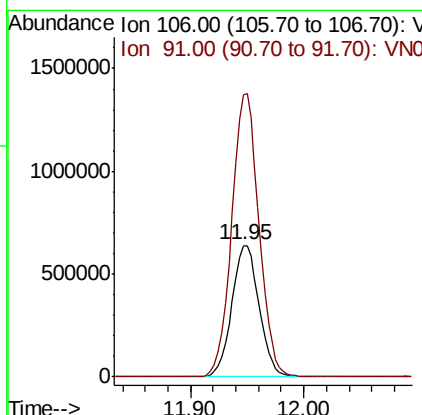
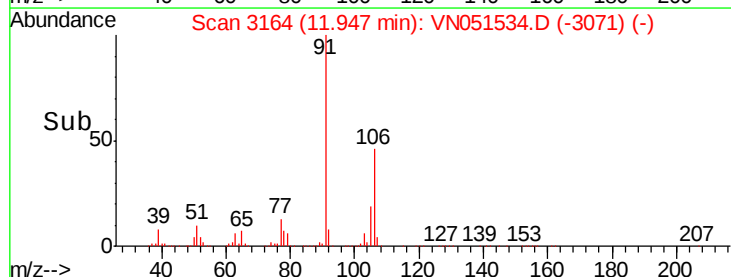
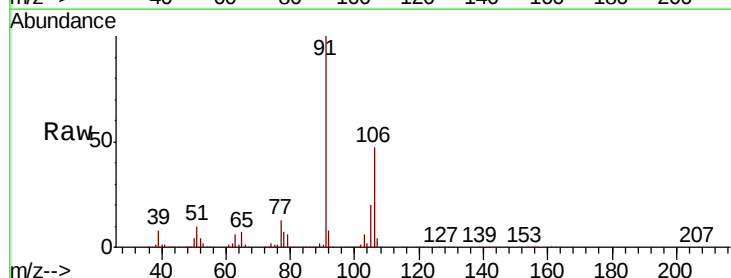
Manual Integrations
APPROVED

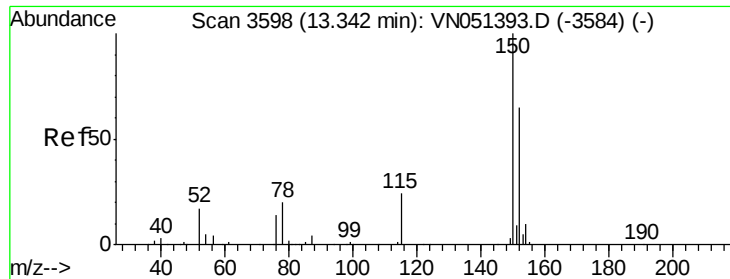
mmdadoda
9/30/2018 9:55:15 AM



#69
o-Xylene
Concen: 64.751 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

Tgt Ion:106 Resp: 1071959
Ion Ratio Lower Upper
106 100
91 214.7 105.3 315.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051534.D

Acq: 26 Sep 2018 13:13

Instrument :

MSVOA_N

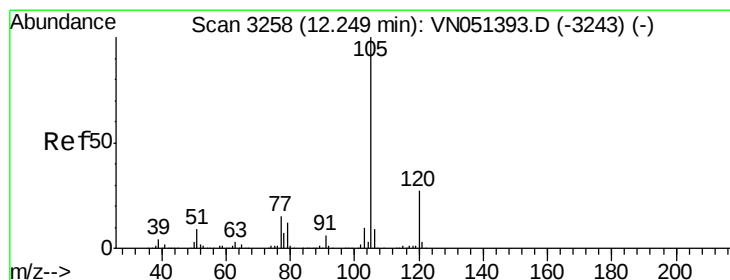
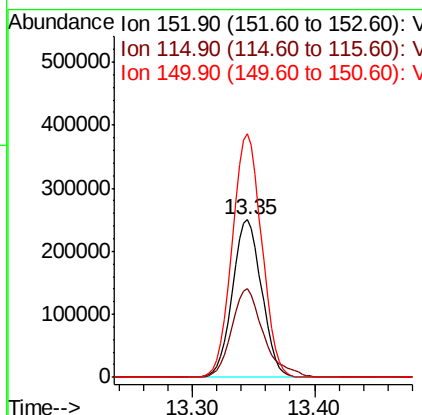
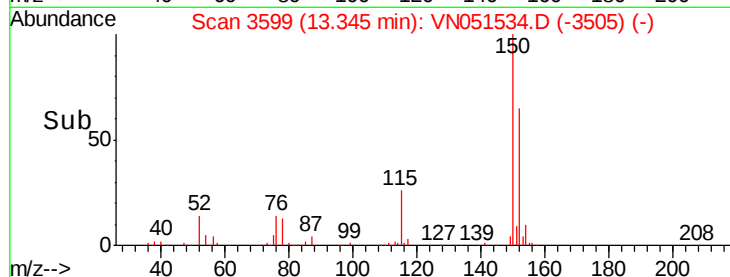
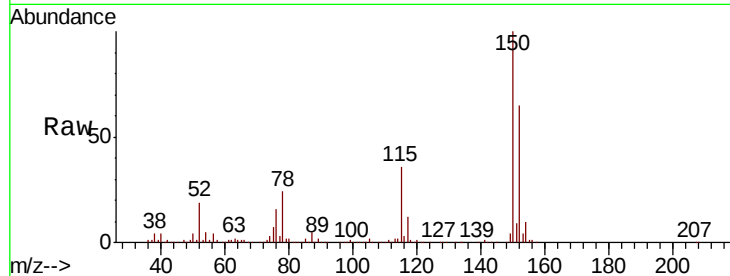
ClientSampleId :

RFK-RMAB-MW08-GWDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	415842		
115	61.5	28.3	84.9	
150	155.8	0.0	353.6	

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:55:15 AM



#73

Isopropylbenzene

Concen: 1.397 ug/l

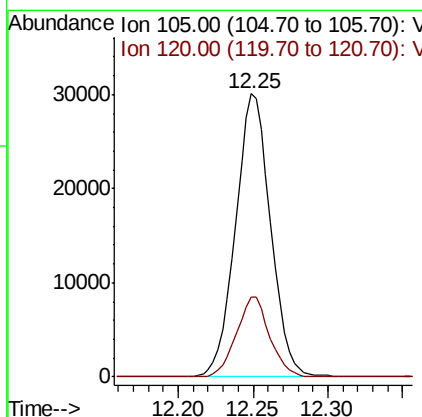
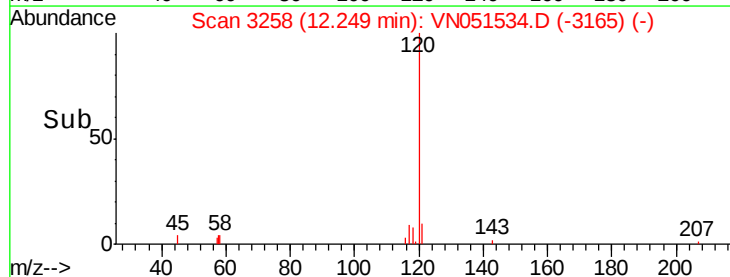
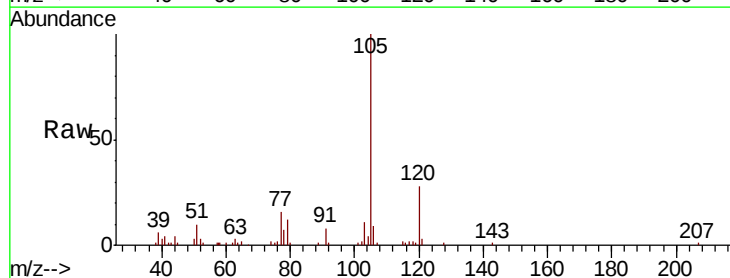
RT: 12.25 min Scan# 3258

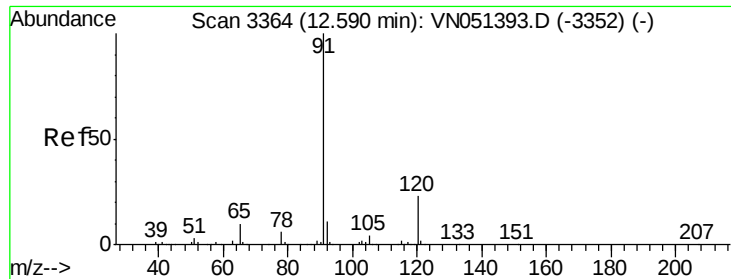
Delta R.T. -0.00 min

Lab File: VN051534.D

Acq: 26 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	49007		
120	26.7	13.3	39.8	





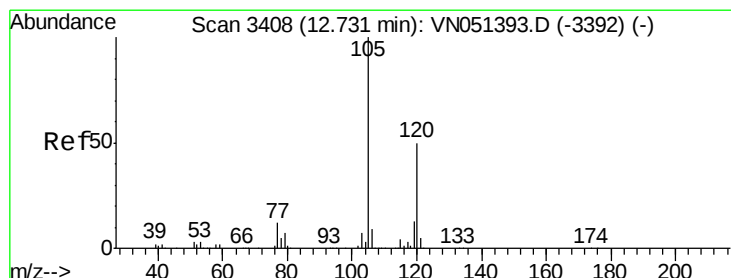
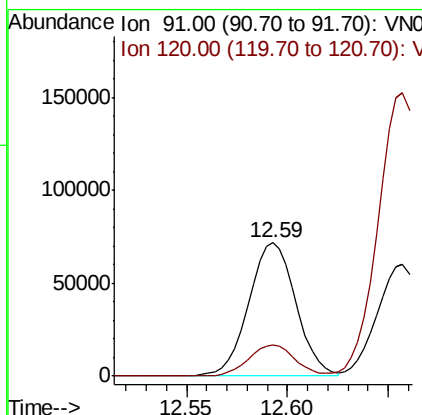
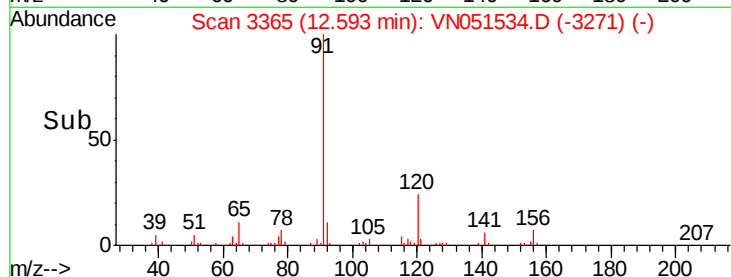
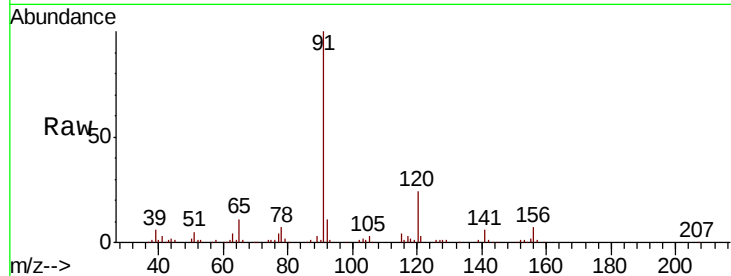
#78
n-propylbenzene
Concen: 2.954 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

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

Tgt Ion: 91 Resp: 116827
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5

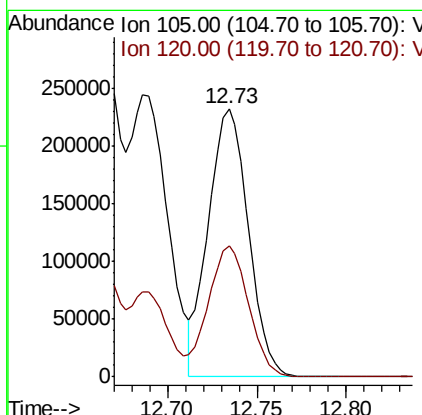
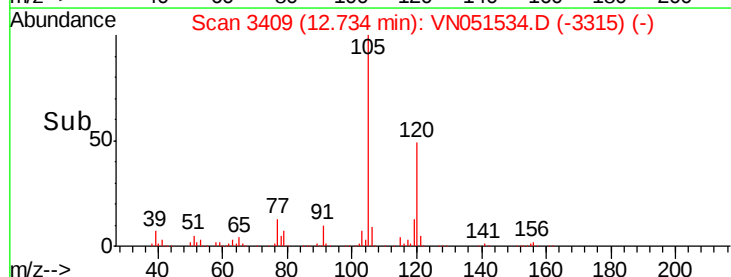
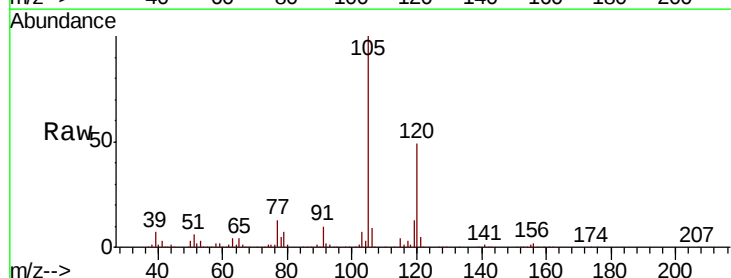
Manual Integrations
APPROVED

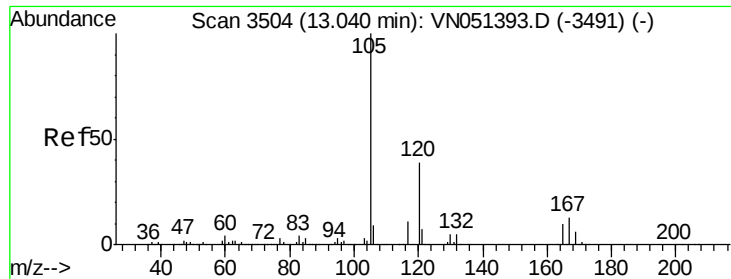
mmdadoda
9/30/2018 9:55:15 AM



#80
1,3,5-Trimethylbenzene
Concen: 12.583 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN051534.D
Acq: 26 Sep 2018 13:13

Tgt Ion: 105 Resp: 359994
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4





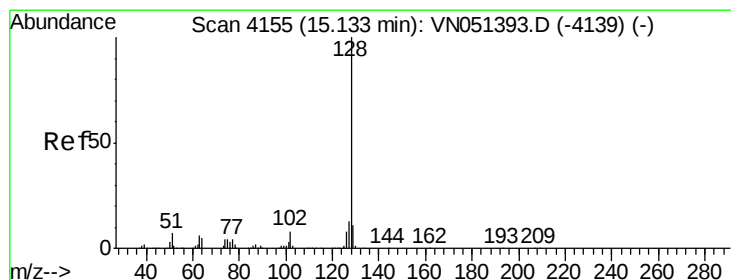
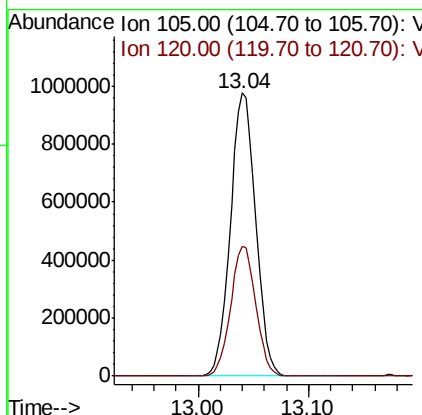
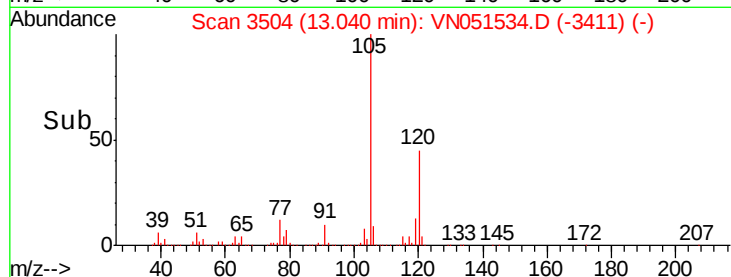
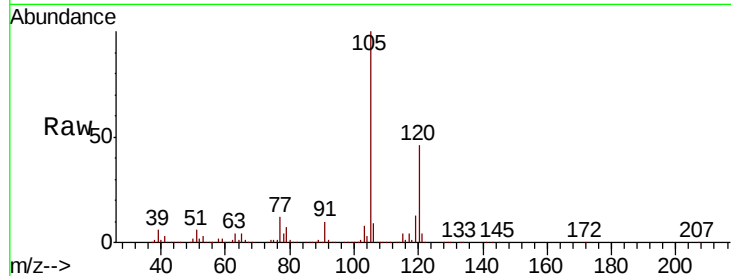
#84
 1,2,4-Trimethylbenzene
 Concen: 53.782 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051534.D
 Acq: 26 Sep 2018 13:13

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

Tgt Ion:105 Resp: 1550495
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:55:15 AM



#95
 Naphthalene
 Concen: 21.678 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN051534.D
 Acq: 26 Sep 2018 13:13

Tgt Ion:128 Resp: 251204
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.5 15.7
 129 10.6 8.6 12.8

