

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053031.D
 Acq On : 20 Dec 2018 1:03
 Operator : MD\SY
 Sample : J6411-04 10X
 Misc : 5.93g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:33:05 AM

Quant Time: Dec 20 07:37:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1398069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2102538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1966888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	852114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	655449	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.59	113	534407	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
50) Toluene-d8	10.09	98	2683012	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	1132572	62.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.14%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	111447	4.546	ug/l	98
67) Ethyl Benzene	11.51	91	223698	2.983	ug/l	99
68) m/p-Xylenes	11.63	106	594328	20.850	ug/l	98
73) Isopropylbenzene	12.25	105	3708170	55.619	ug/l	99
78) n-propylbenzene	12.59	91	8413147	110.799	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	6004849	110.501	ug/l	97
83) tert-Butylbenzene	12.99	119	739529	15.387	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	22070563m	404.007	ug/l	
85) sec-Butylbenzene	13.17	105	5394022	82.976	ug/l #	75
86) p-Isopropyltoluene	13.29	119	4503117	80.167	ug/l	100
89) n-Butylbenzene	13.62	91	5328160m	110.257	ug/l	
95) Naphthalene	15.13	128	198515	6.936	ug/l	100

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

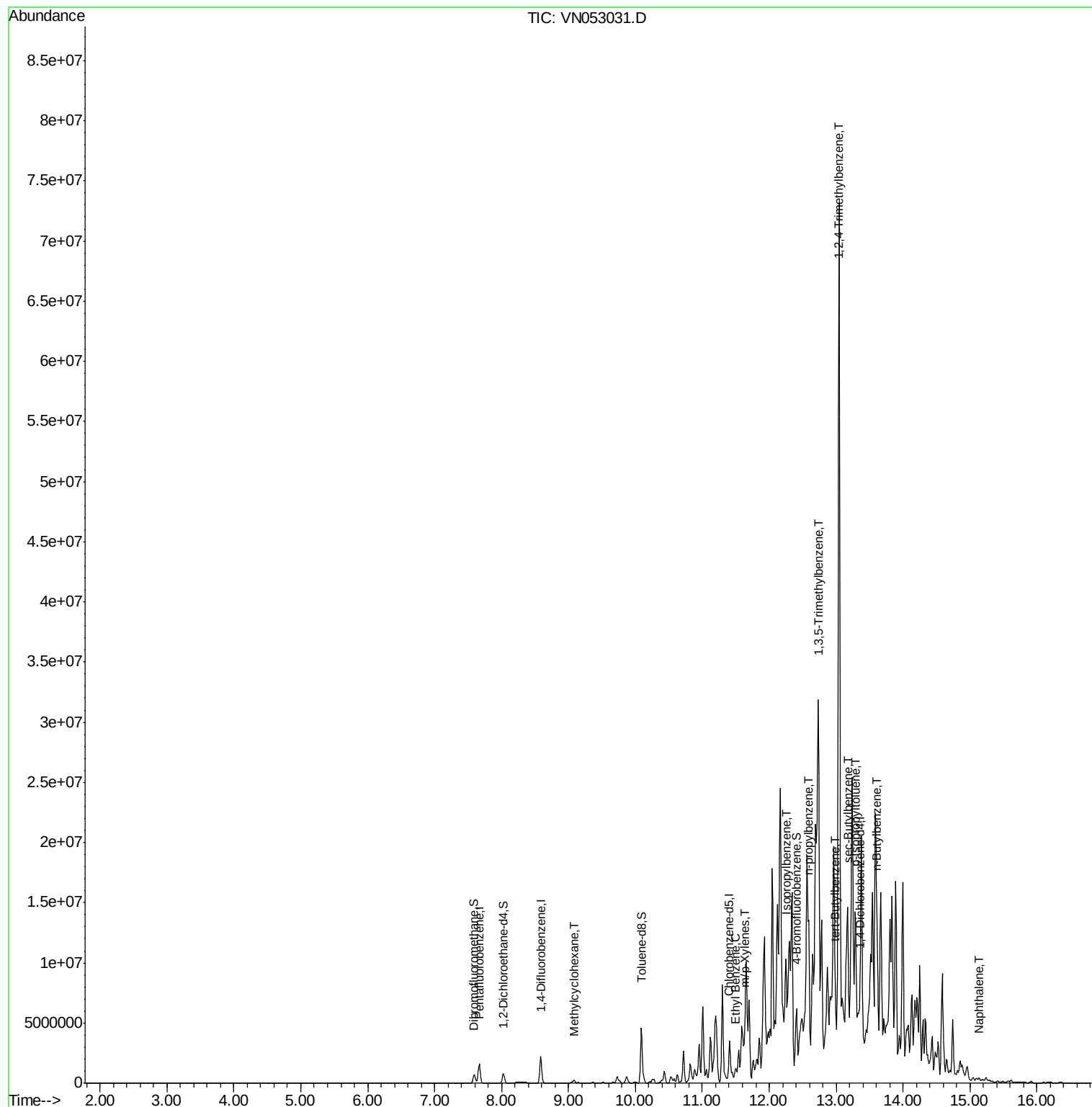
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053031.D
Acq On : 20 Dec 2018 1:03
Operator : MD\SY
Sample : J6411-04 10X
Misc : 5.93q/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 38 Sample Multiplier: 28

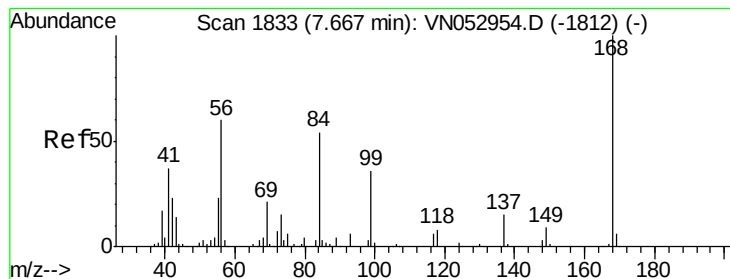
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

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Quant Time: Dec 20 07:37:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion:168 Resp: 1398069

Ion Ratio Lower Upper

168 100

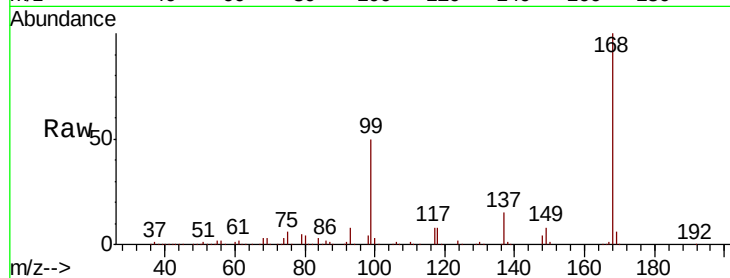
99 49.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

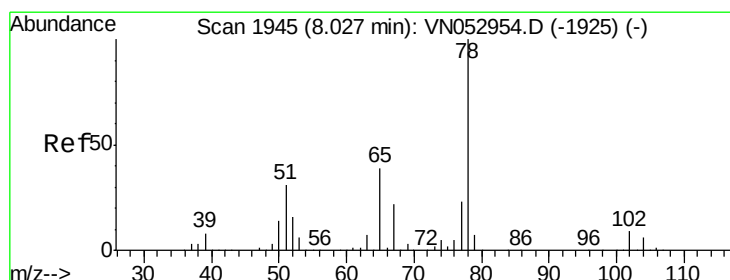
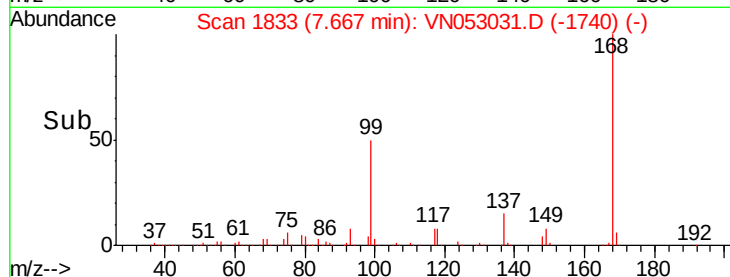
600000

400000

200000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053031.D

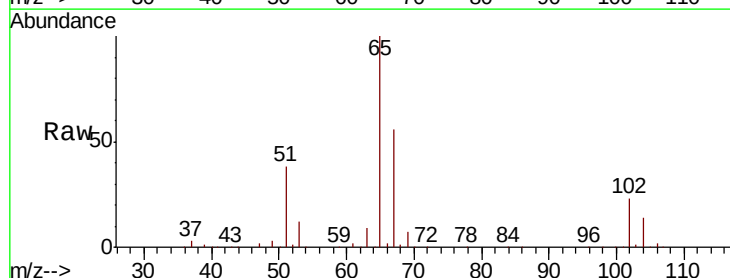
Acq: 20 Dec 2018 1:03

Tgt Ion: 65 Resp: 655449

Ion Ratio Lower Upper

65 100

67 55.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

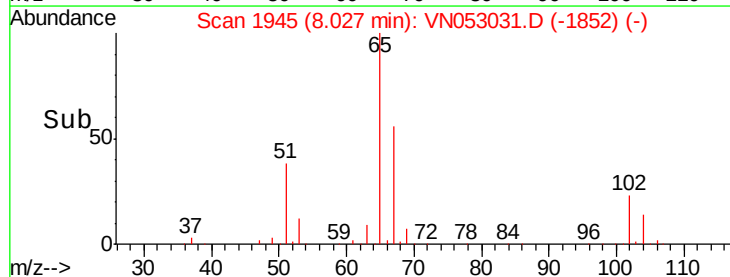
300000

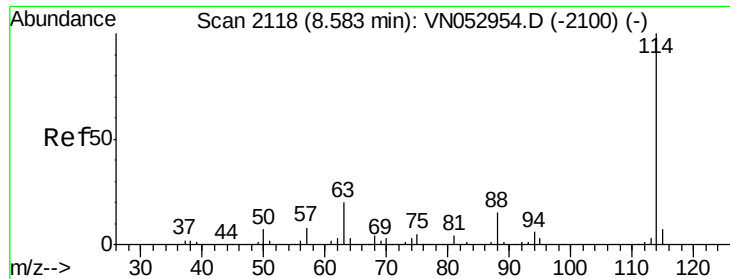
200000

100000

0

Time-->





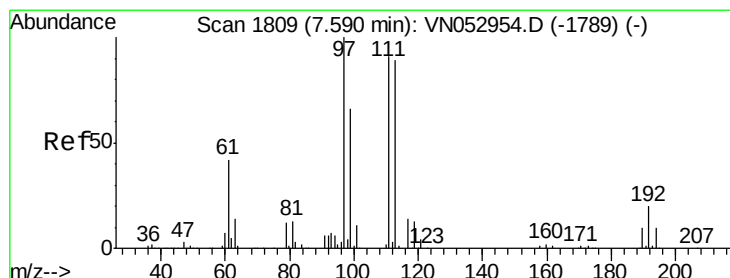
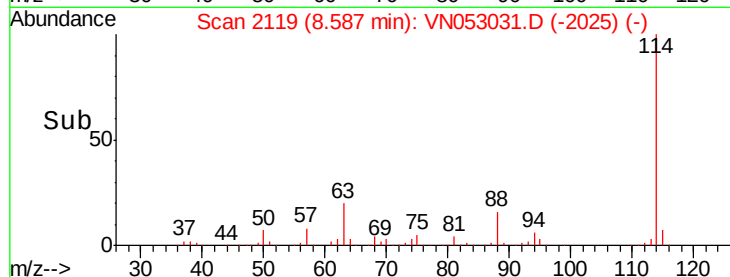
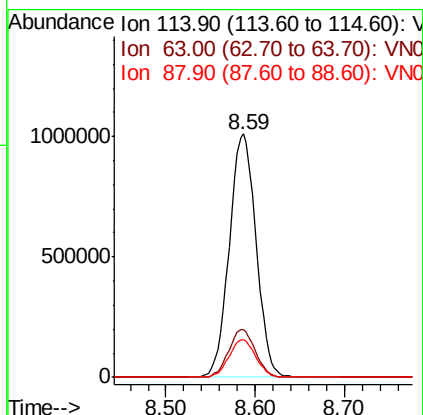
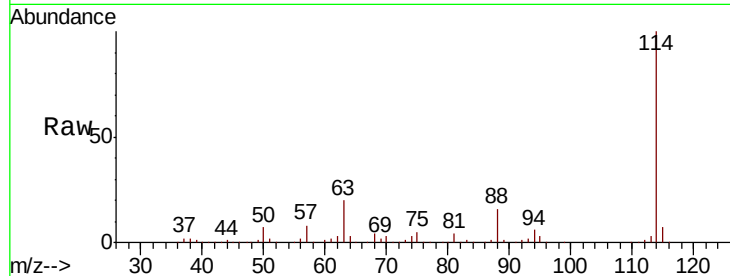
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-2A(15-16FT)1218

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.8
88	15.6	0.0	31.0

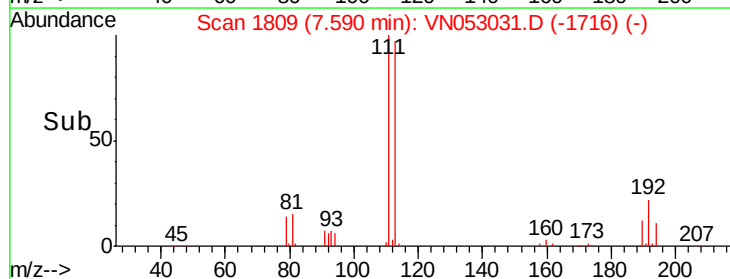
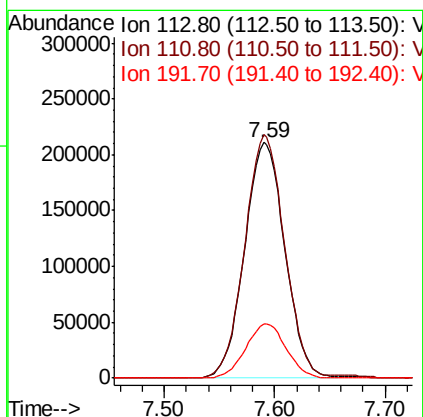
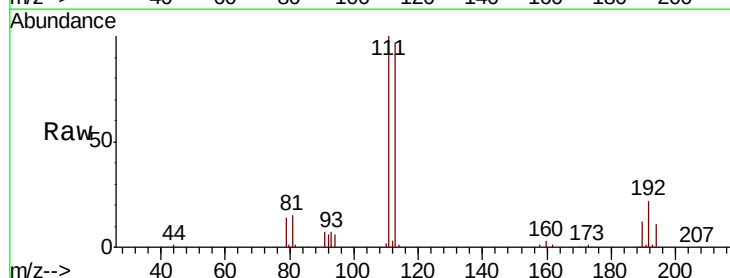
Manual Integrations
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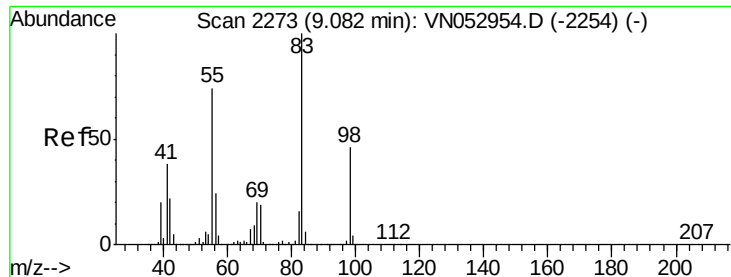
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053031.D
 Acq: 20 Dec 2018 1:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.9	17.5	26.3





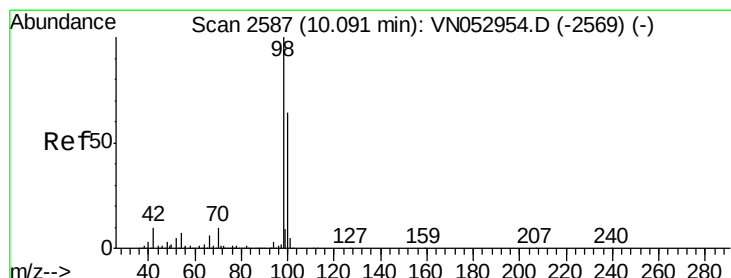
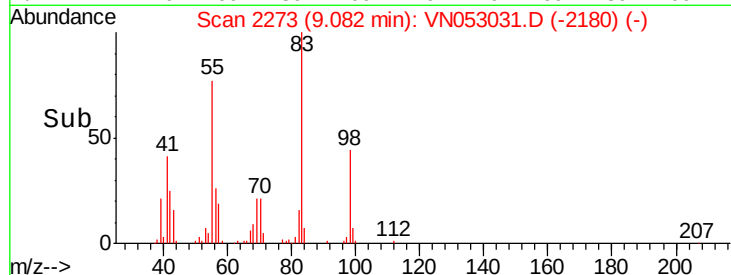
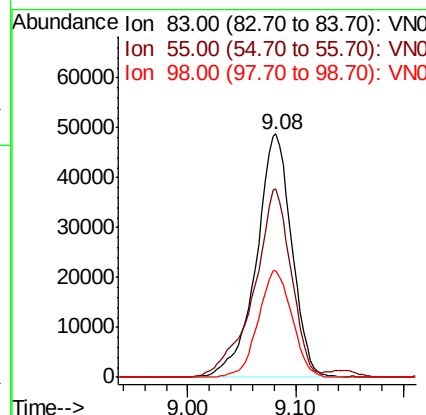
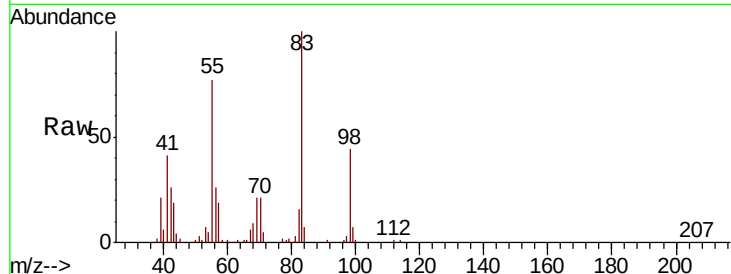
#39
Methylvlcyclohexane
Concen: 4.546 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

Tot Ion	83	Resp	111447
Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.3	91.9
98	43.7	37.0	55.4

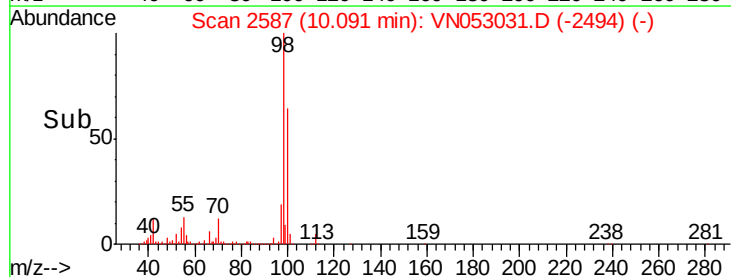
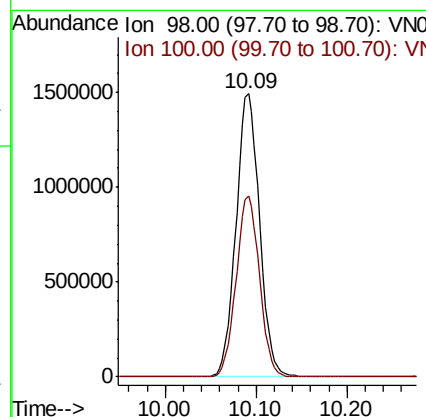
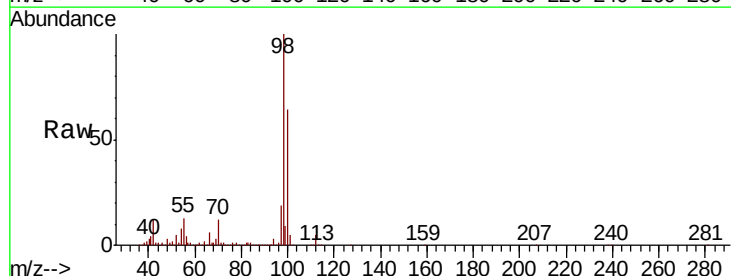
Manual Integrations
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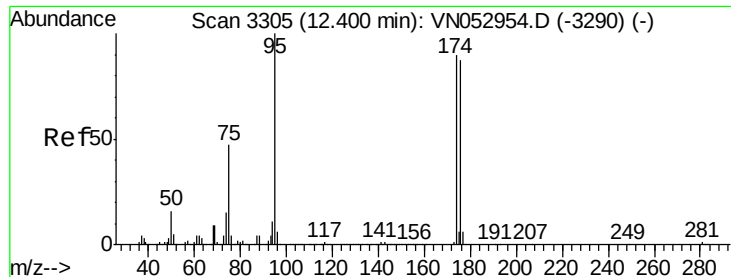
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion	98	Resp	2683012
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion: 95 Resp: 1132572

Ion Ratio Lower Upper

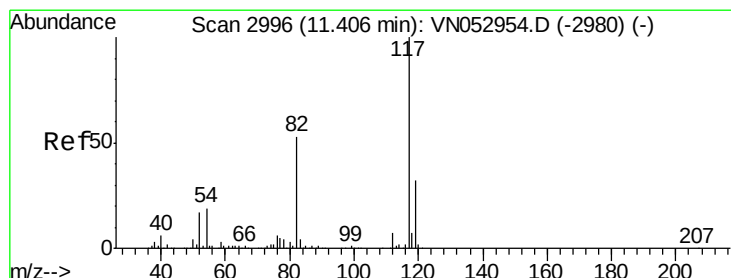
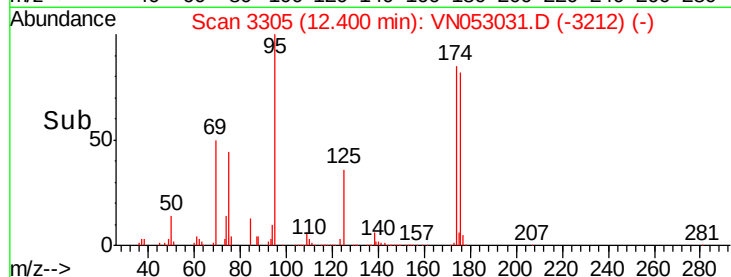
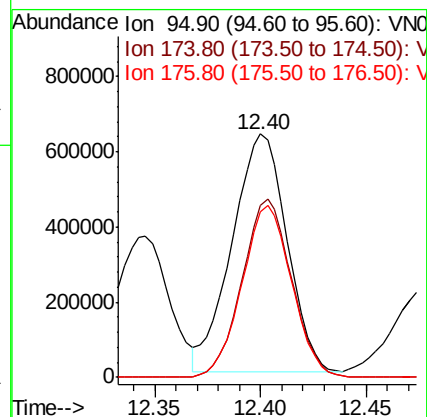
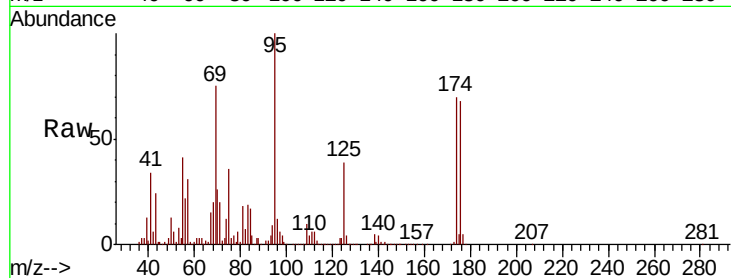
95 100

174 68.3 0.0 178.8

176 66.2 0.0 173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

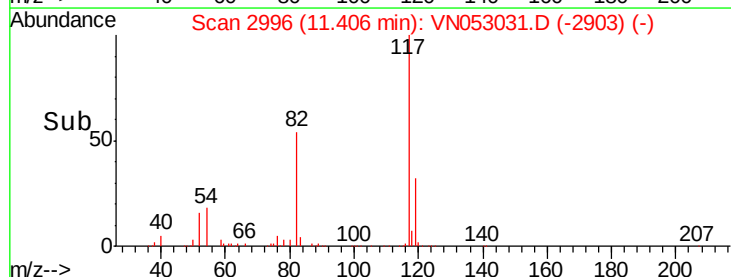
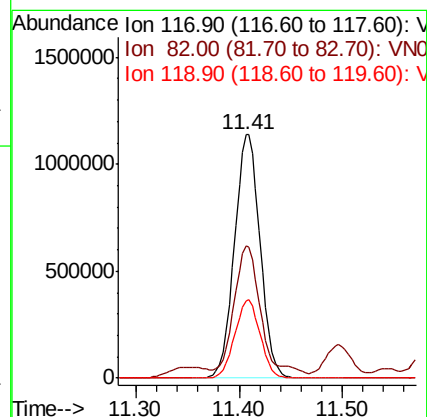
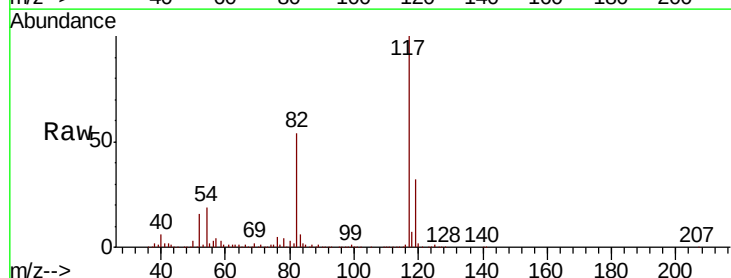
Tgt Ion: 117 Resp: 1966888

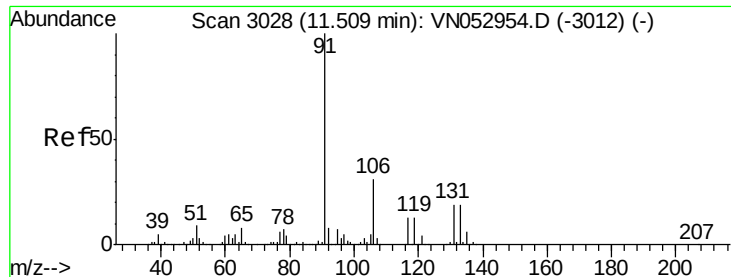
Ion Ratio Lower Upper

117 100

82 50.0 42.8 64.2

119 31.9 25.5 38.3





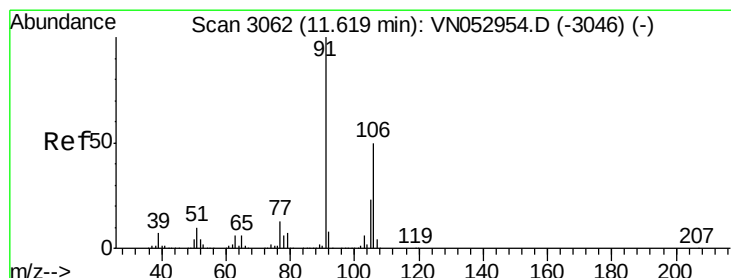
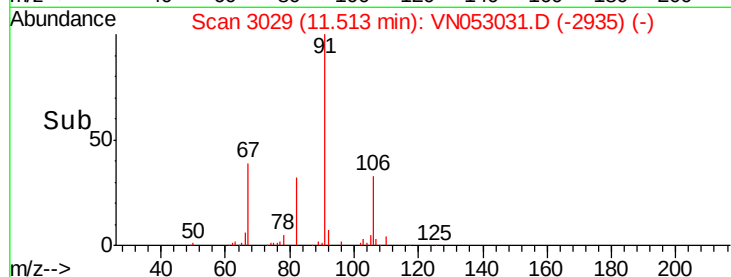
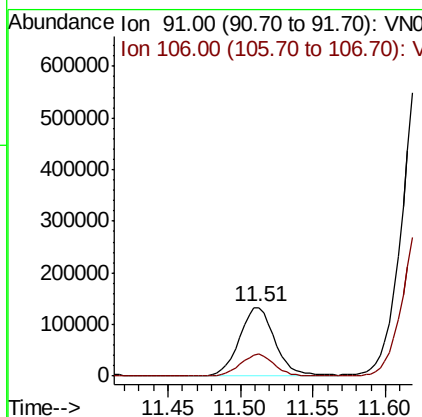
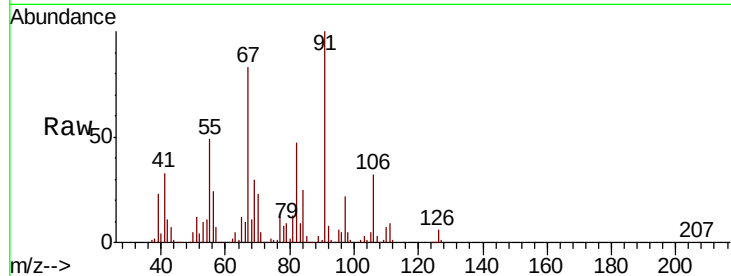
#67
Ethyl Benzene
Concen: 2.983 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2A(15-16FT)1218

Tot Ion: 91 Resp: 223698
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

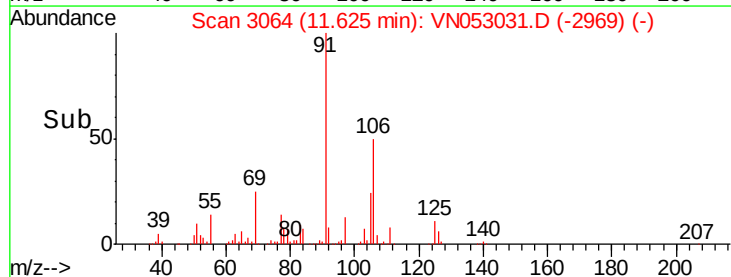
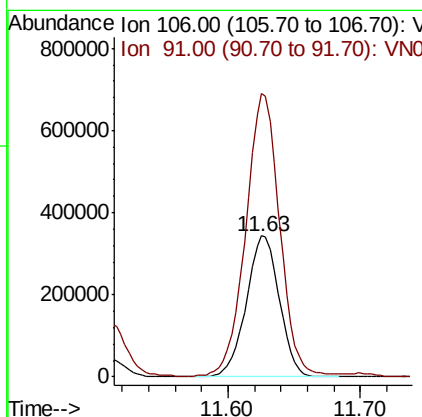
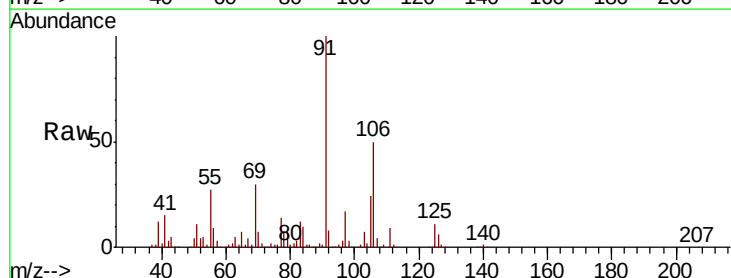
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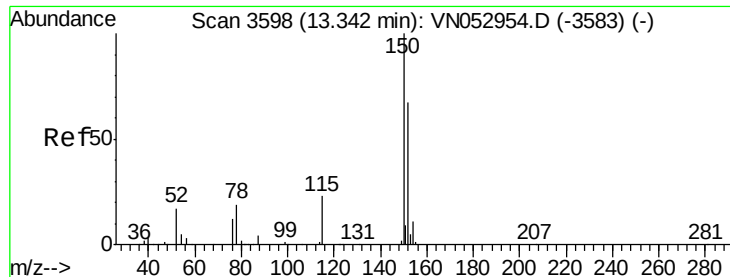
MMDadoda
12/20/2018 9:33:05 AM



#68
m/p-Xylenes
Concen: 20.850 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053031.D
Acq: 20 Dec 2018 1:03

Tgt Ion: 106 Resp: 594328
Ion Ratio Lower Upper
106 100
91 205.1 162.2 243.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

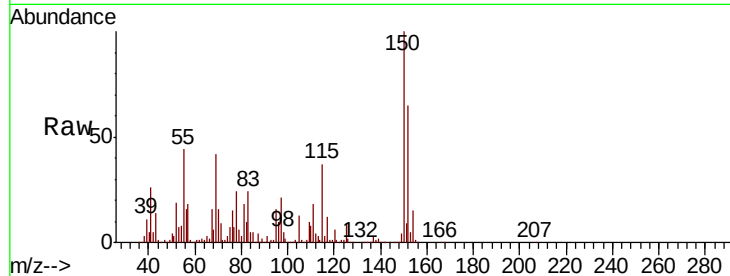
ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.2	28.3	85.0
150	140.6	0.0	347.8

Manual Integrations
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12/20/2018 9:33:05 AM

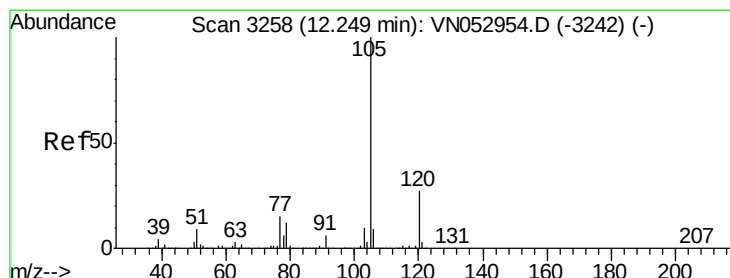
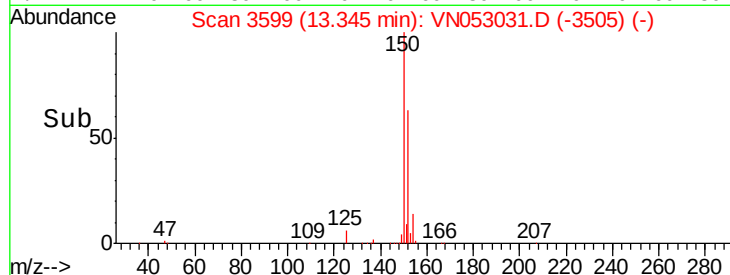
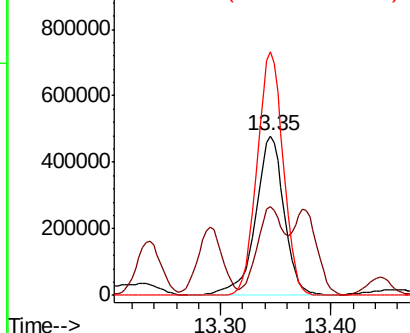


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.619 ug/l

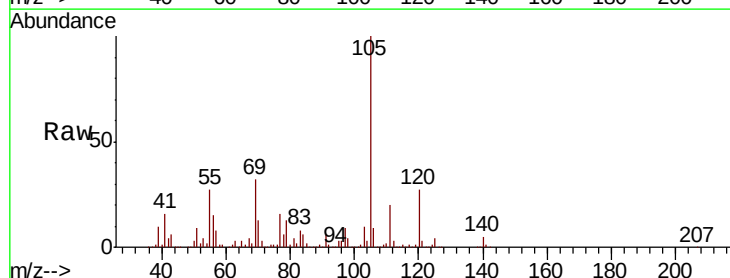
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

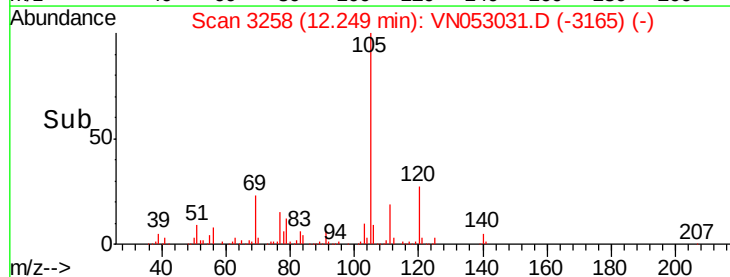
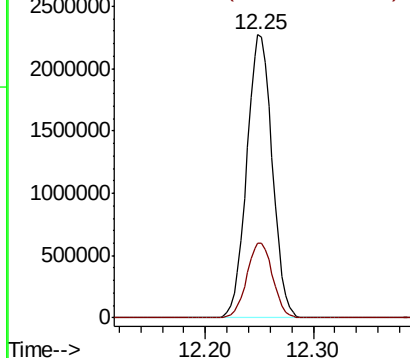
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

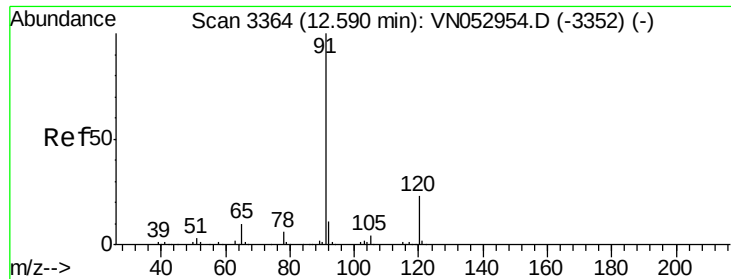


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 110.799 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion: 91 Resp: 8413147

Ion Ratio Lower Upper

91 100

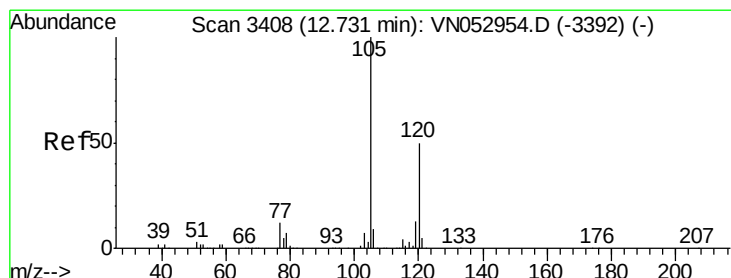
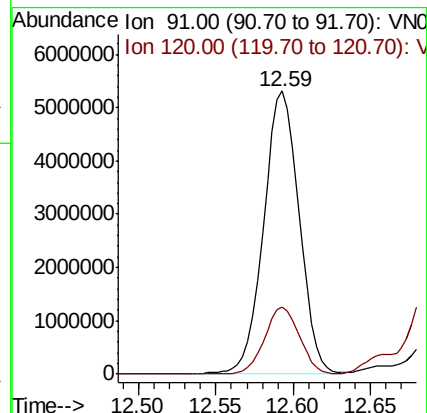
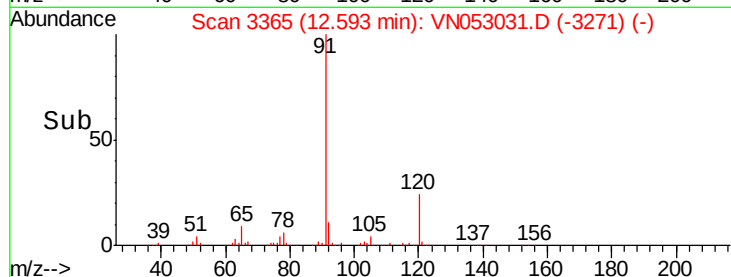
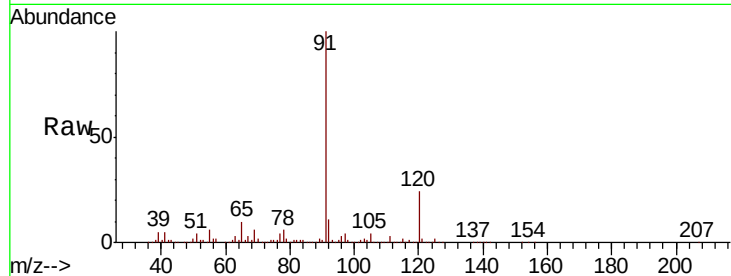
120 23.4 11.5 34.5

Manual Integrations

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12/20/2018 9:33:05 AM



#80

1,3,5-Trimethylbenzene

Concen: 110.501 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053031.D

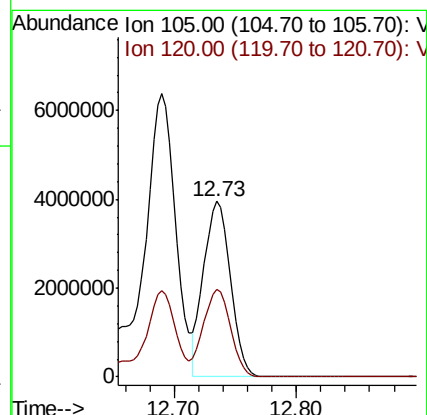
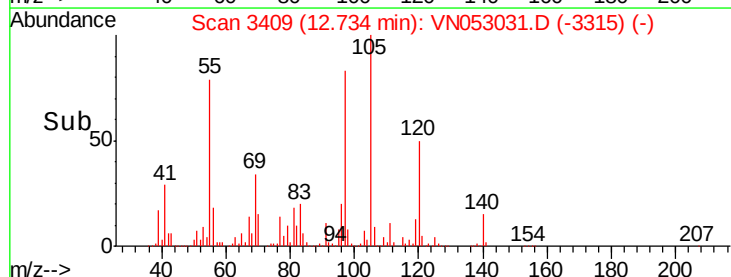
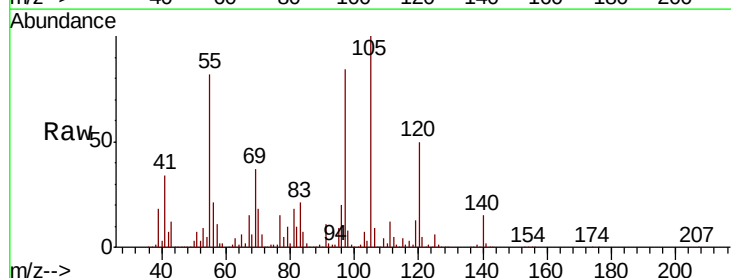
Acq: 20 Dec 2018 1:03

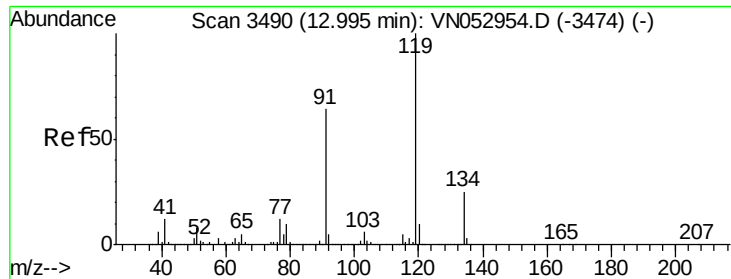
Tgt Ion: 105 Resp: 6004849

Ion Ratio Lower Upper

105 100

120 51.1 24.4 73.2





#83

tert-Butylbenzene

Concen: 15.387 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

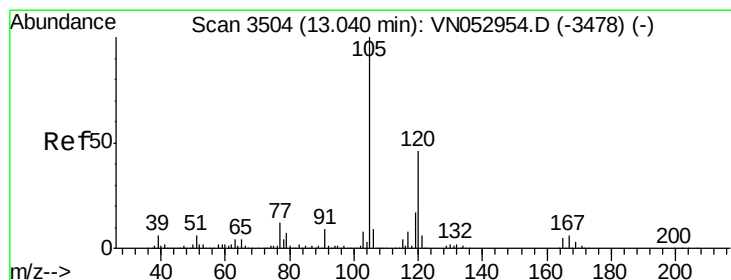
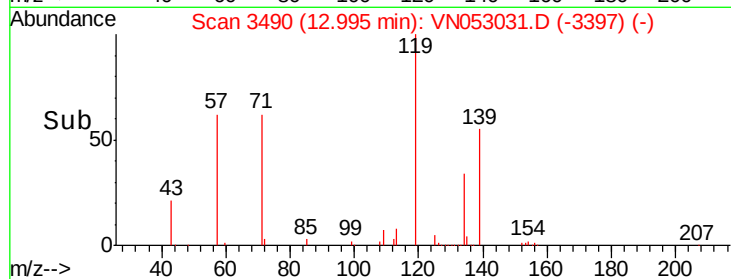
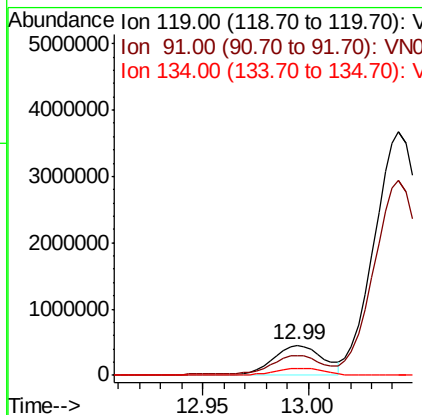
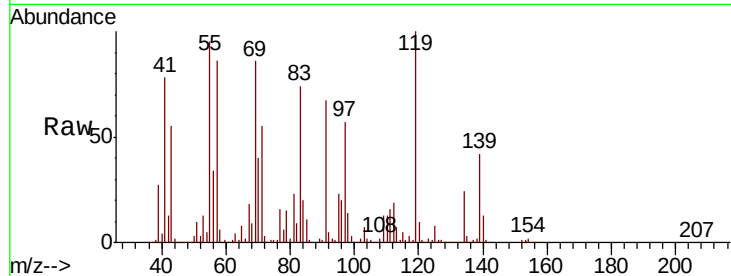
ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion:	119	Resp:	739529
Ion Ratio	Lower	Upper	
119	100		
91	64.8	31.9	95.5
134	24.1	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 404.007 ug/l m

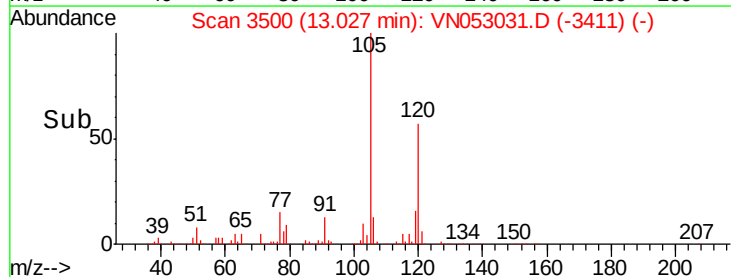
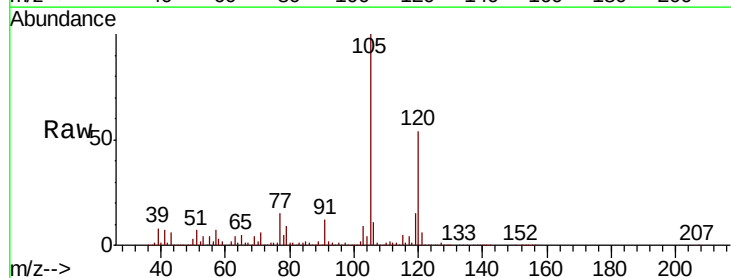
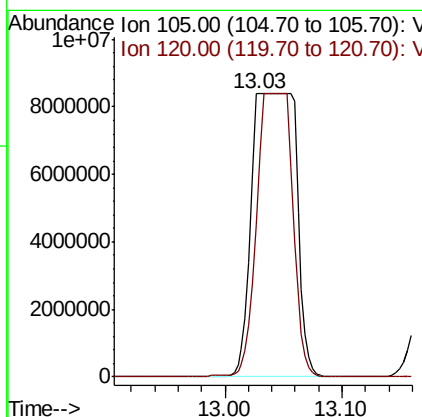
RT: 13.03 min Scan# 3500

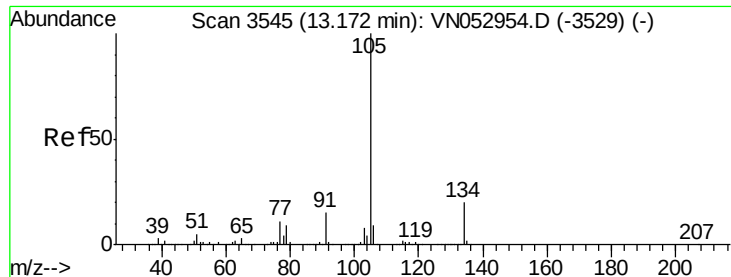
Delta R.T. -0.01 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Tgt Ion:	105	Resp:	22070563
Ion Ratio	Lower	Upper	
105	100		
120	0.0	22.9	68.8#





#85

sec-Butylbenzene

Concen: 82.976 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion:105 Resp: 5394022

Ion Ratio Lower Upper

105 100

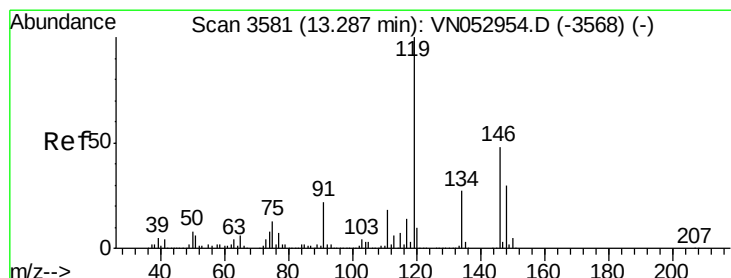
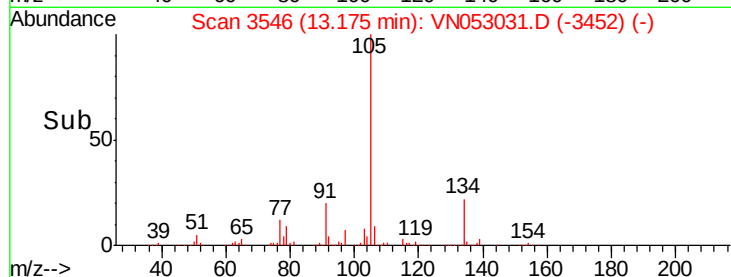
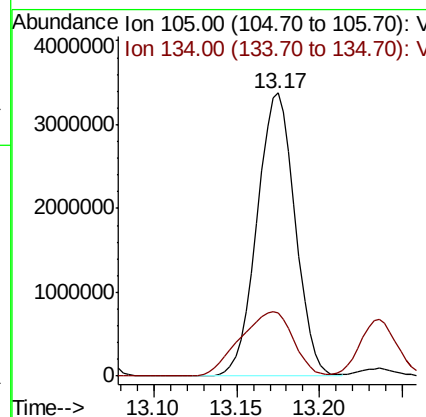
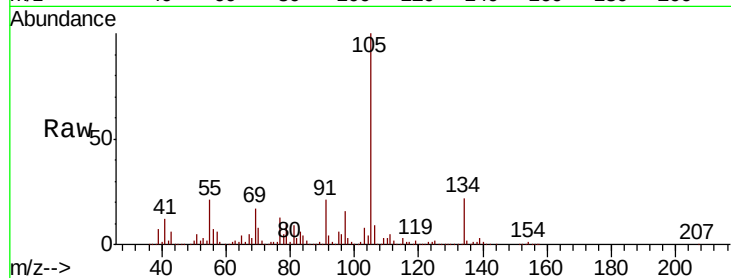
134 32.0 10.1 30.3#

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 80.167 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

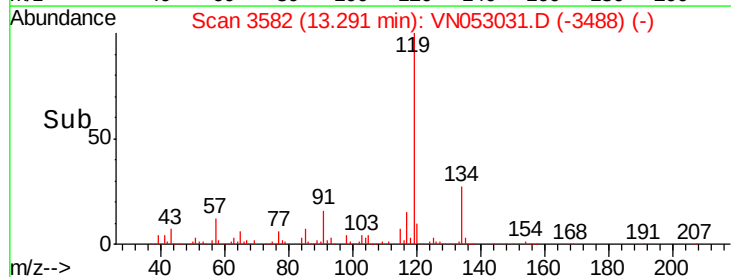
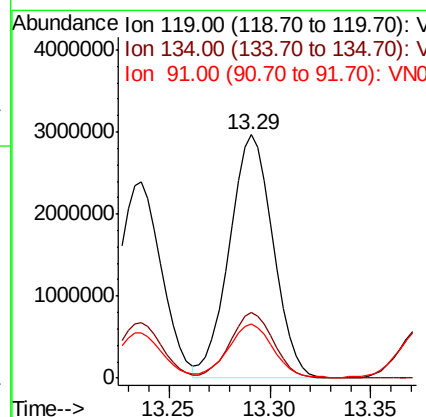
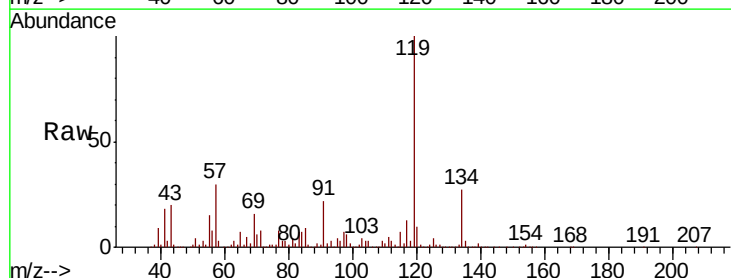
Tgt Ion:119 Resp: 4503117

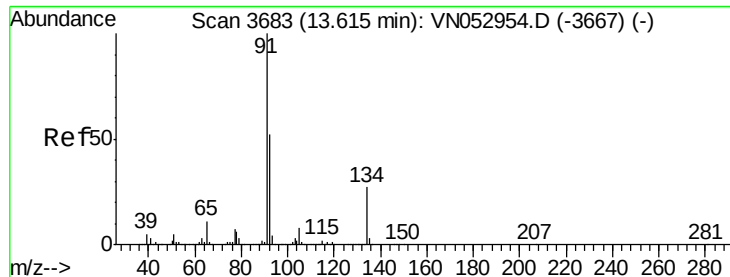
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.9 11.1 33.3





#89

n-Butylbenzene

Concen: 110.257 ug/l m

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-2A(15-16FT)1218

Tot Ion: 91 Resp: 5328160

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

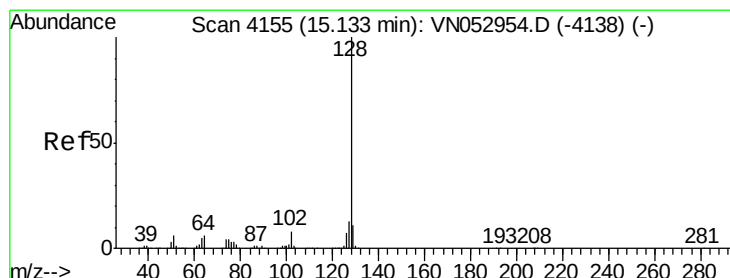
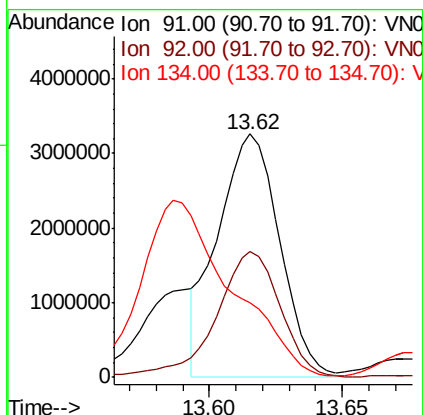
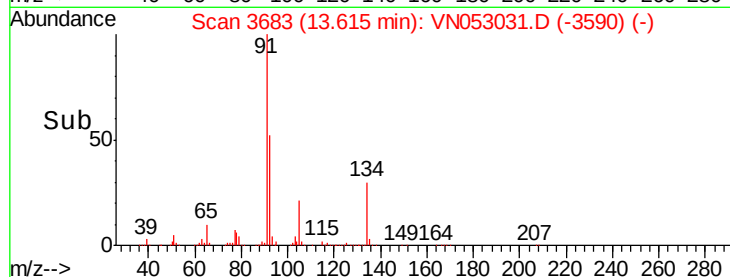
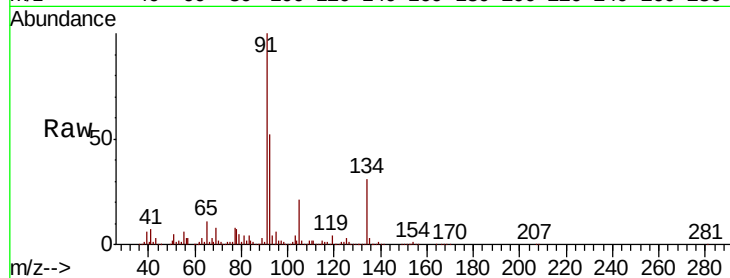
134 0.0 13.3 39.8#

Manual Integrations

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#95

Naphthalene

Concen: 6.936 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053031.D

Acq: 20 Dec 2018 1:03

Tgt Ion: 128 Resp: 198515

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.6 8.6 13.0

