

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053032.D
 Acq On : 20 Dec 2018 1:30
 Operator : MD\SY
 Sample : J6411-05 10X
 Misc : 5.48g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 28

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

Manual Integrations
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MMDadoda
 12/20/2018 9:33:10 AM

Quant Time: Dec 20 08:09:37 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	1397163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2130094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1992032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	867902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	661874	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
35) Dibromofluoromethane	7.59	113	543214	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
50) Toluene-d8	10.09	98	2719924	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	1113225	60.71	ug/l	0.00
Spiked Amount			Recovery	=	121.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	113627	4.575	ug/l	99
67) Ethyl Benzene	11.51	91	297712	3.920	ug/l	98
68) m/p-Xylenes	11.63	106	721919	25.007	ug/l	98
73) Isopropylbenzene	12.25	105	2683930	39.524	ug/l	100
78) n-propylbenzene	12.59	91	7496245	96.928	ug/l	99
80) 1,3,5-Trimethylbenzene	12.69	105	7722578	139.525	ug/l	72
83) tert-Butylbenzene	12.99	119	504765	10.312	ug/l	94
84) 1,2,4-Trimethylbenzene	13.03	105	19996487m	359.382	ug/l	
85) sec-Butylbenzene	13.17	105	3792677	57.282	ug/l #	74
86) p-Isopropyltoluene	13.29	119	3246485	56.745	ug/l	100
89) n-Butylbenzene	13.62	91	3983461	80.931	ug/l #	79
95) Naphthalene	15.13	128	181060	6.331	ug/l	98

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

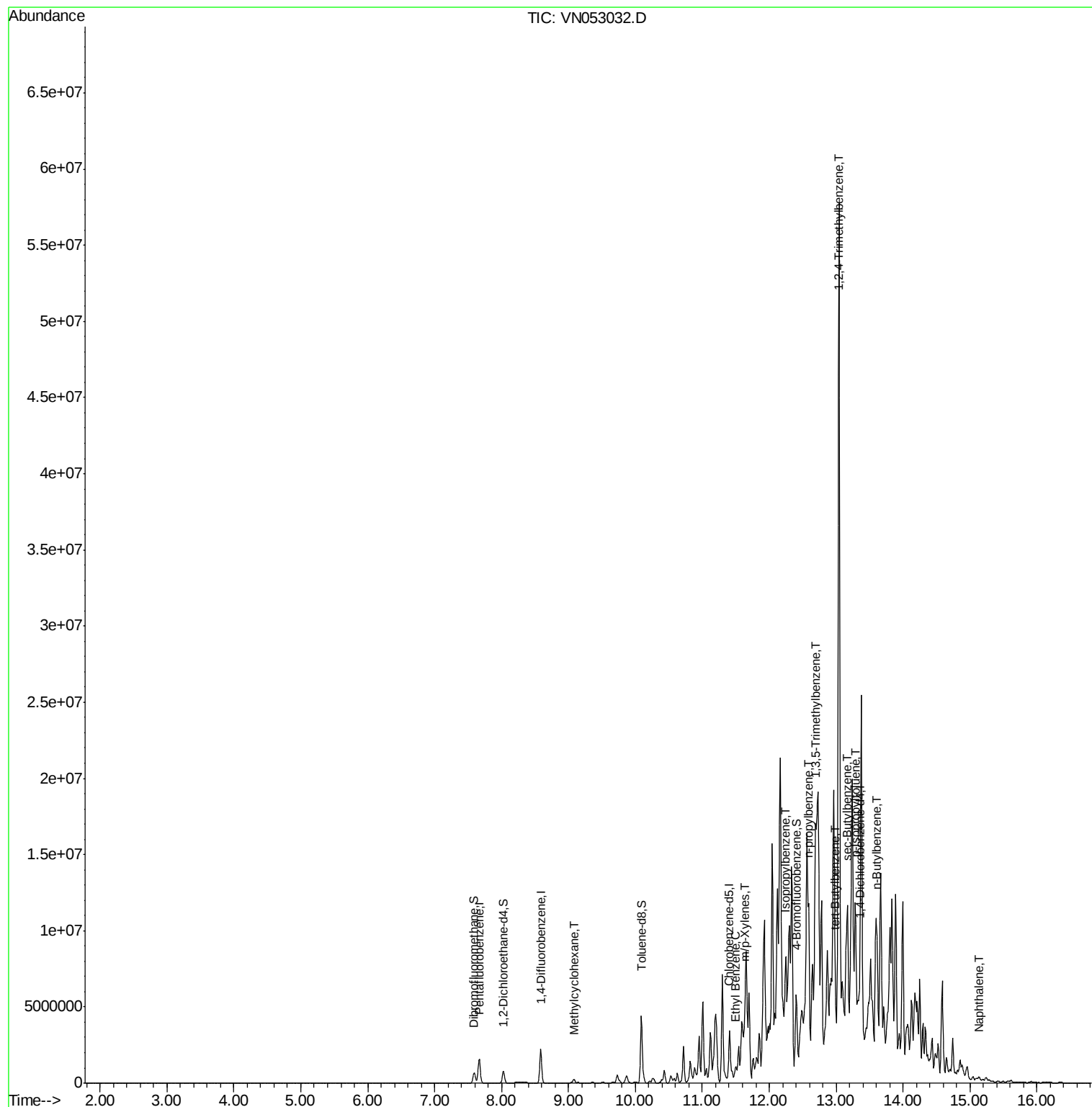
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053032.D
Acq On : 20 Dec 2018 1:30
Operator : MD\SY
Sample : J6411-05 10X
Misc : 5.48g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 39 Sample Multiplier: 28

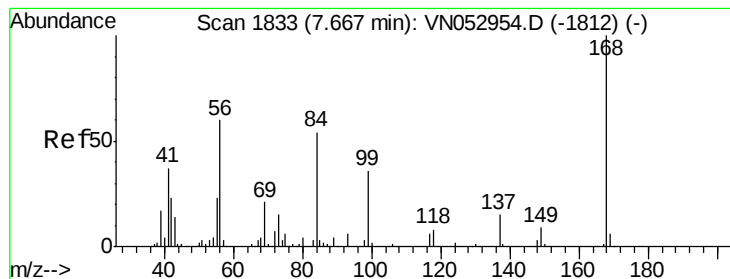
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-2B(15-16FT)1218

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12/20/2018 9:33:10 AM

Quant Time: Dec 20 08:09:37 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: VN053032.D

Acq: 20 Dec 2018 1:30

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:168 Resp: 1397163

Ion Ratio Lower Upper

168 100

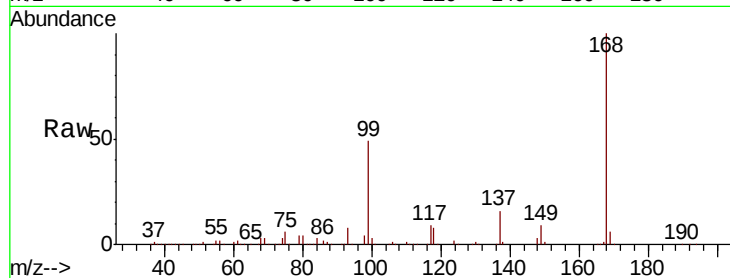
99 49.2 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN052954.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052954.D (-1812) (-)

7.67

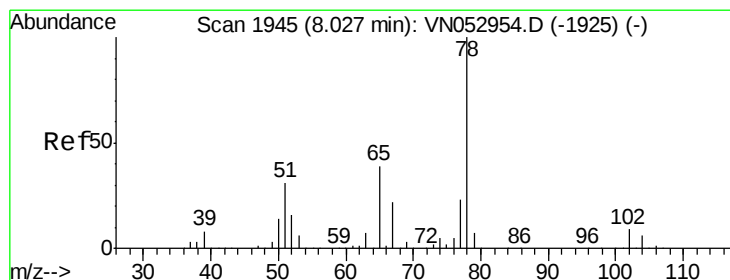
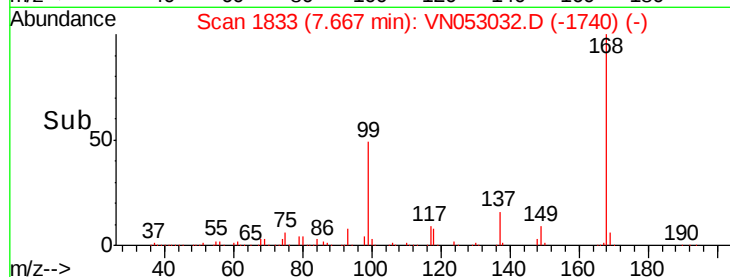
600000

400000

200000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053032.D

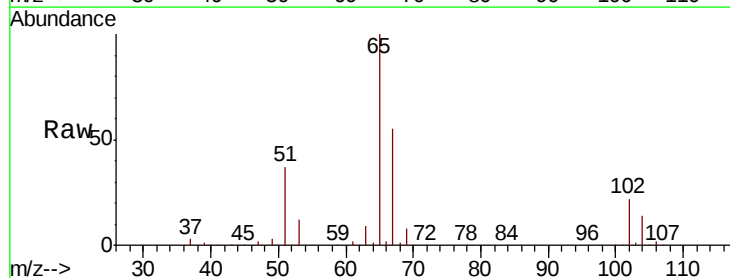
Acq: 20 Dec 2018 1:30

Tgt Ion: 65 Resp: 661874

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052954.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN052954.D (-1925) (-)

8.03

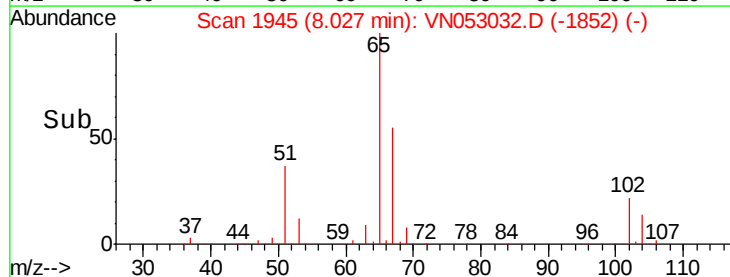
300000

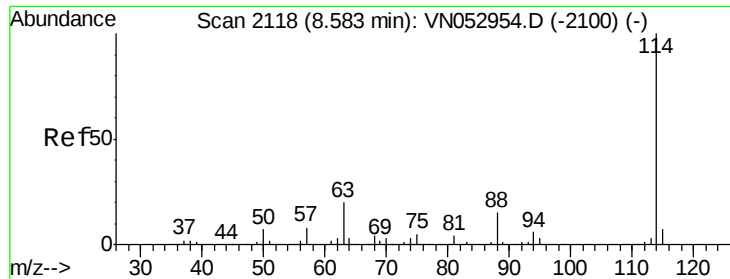
200000

100000

0

Time-->





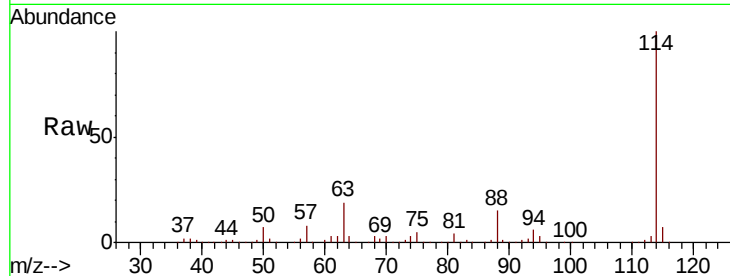
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053032.D
 Acq: 20 Dec 2018 1:30

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

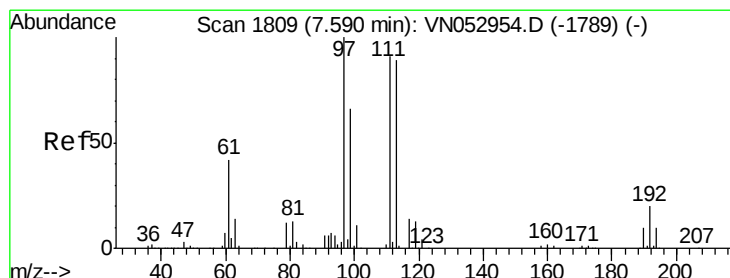
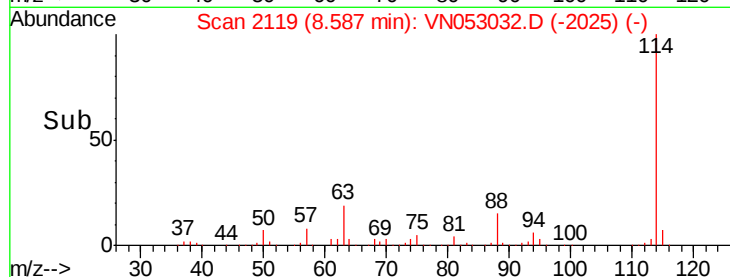
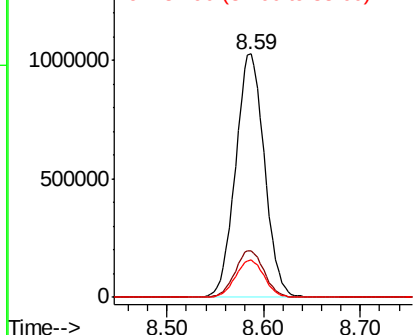
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.8
88	15.3	0.0	31.0

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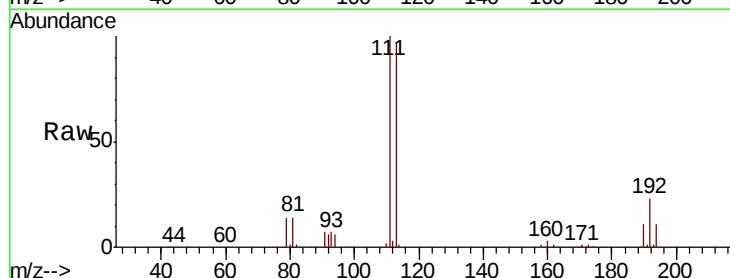


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

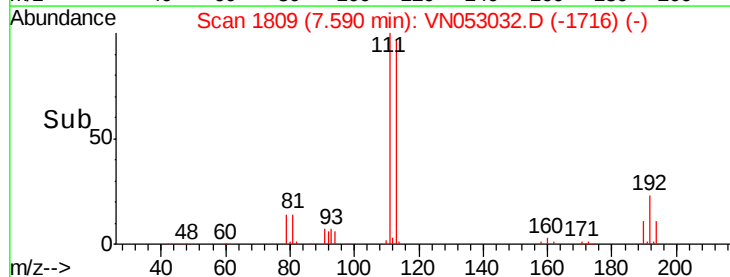
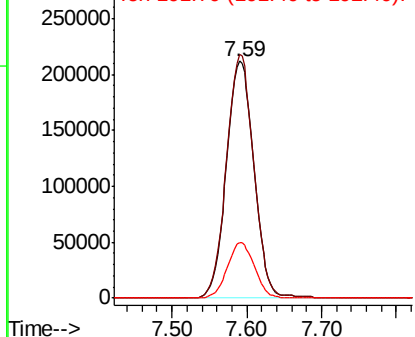


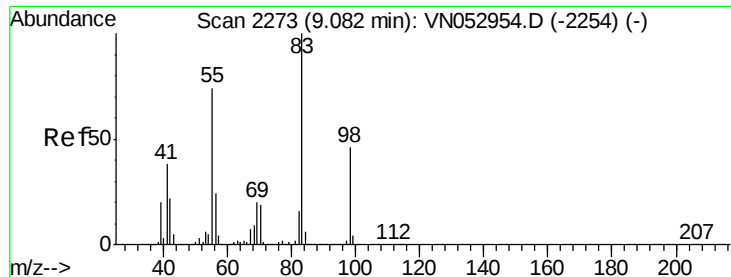
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053032.D
 Acq: 20 Dec 2018 1:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.4
192	23.0	17.5	26.3



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





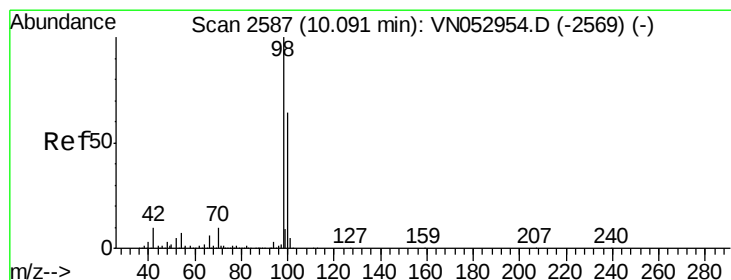
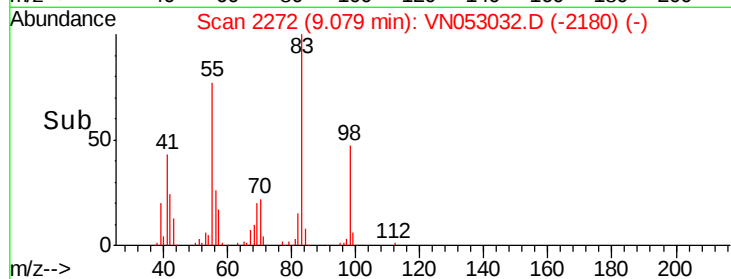
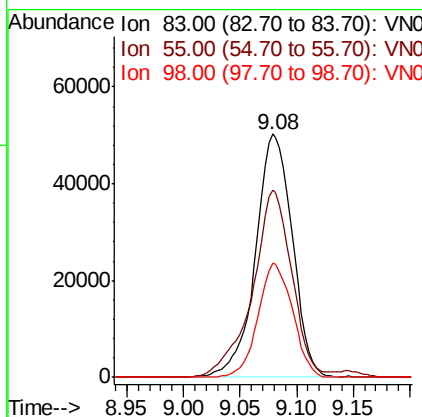
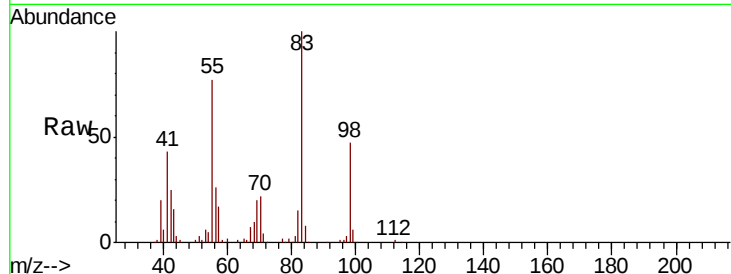
#39
Methylcyclohexane
Concen: 4.575 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053032.D
Acq: 20 Dec 2018 1:30

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.3	91.9
98	46.8	37.0	55.4

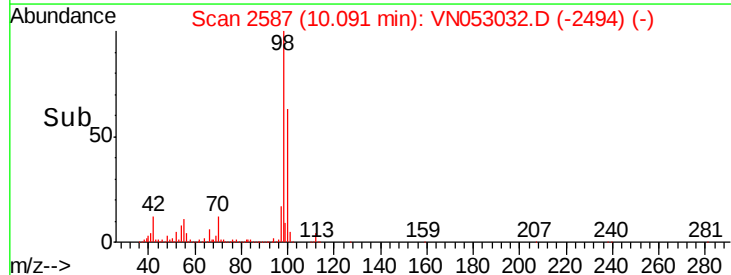
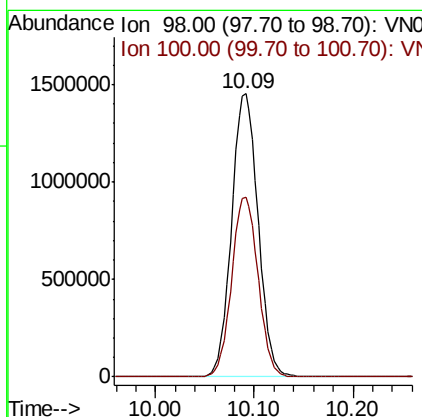
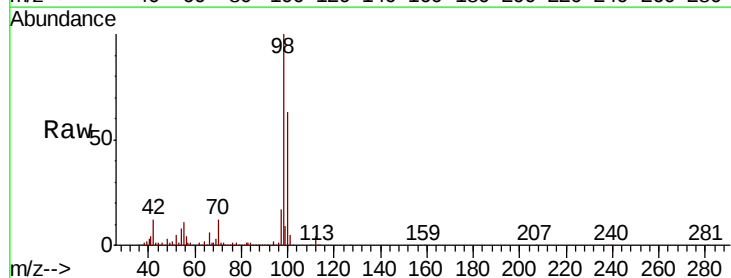
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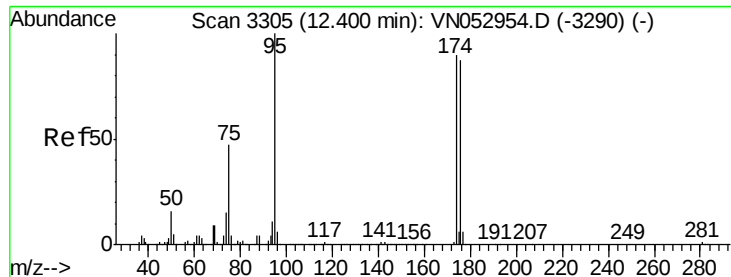
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053032.D
Acq: 20 Dec 2018 1:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	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: VN053032.D

Acq: 20 Dec 2018 1:30

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 95 Resp: 1113225

Ion Ratio Lower Upper

95 100

174 70.7 0.0 178.8

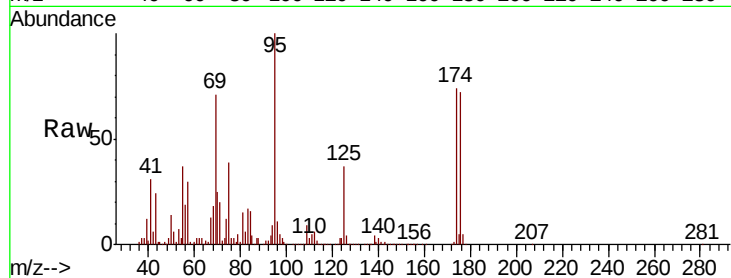
176 69.0 0.0 173.8

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Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

800000

600000

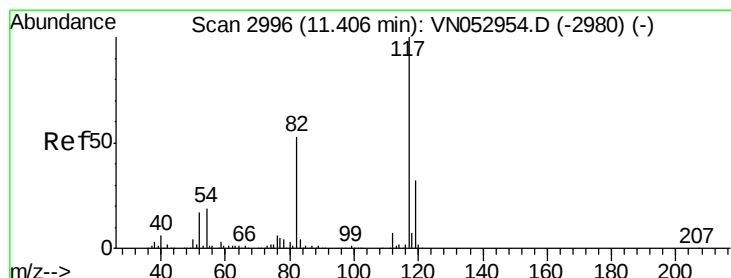
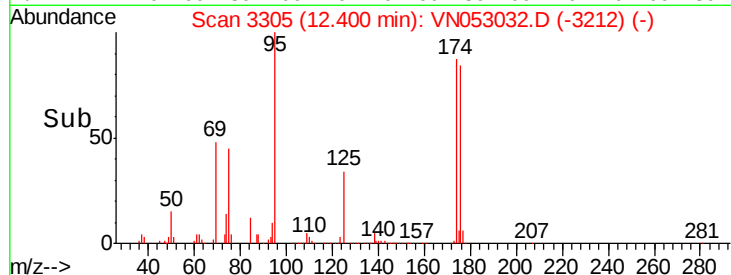
400000

200000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053032.D

Acq: 20 Dec 2018 1:30

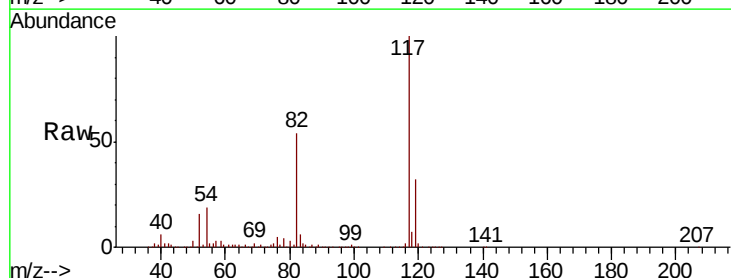
Tgt Ion: 117 Resp: 1992032

Ion Ratio Lower Upper

117 100

82 50.7 42.8 64.2

119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

1500000

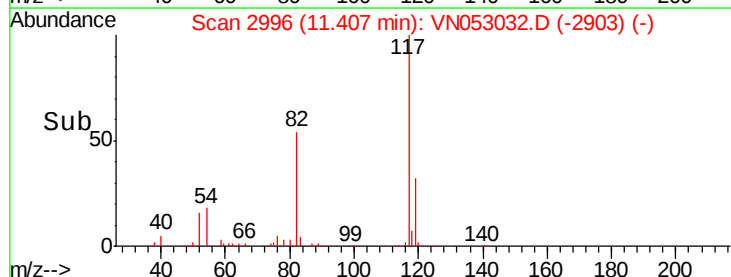
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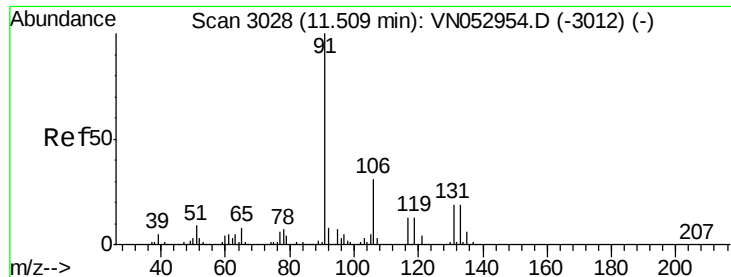
500000

0

11.30 11.40 11.50

Time-->





#67

Ethyl Benzene

Concen: 3.920 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053032.D

Acq: 20 Dec 2018 1:30

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 91 Resp: 297712

Ion Ratio Lower Upper

91 100

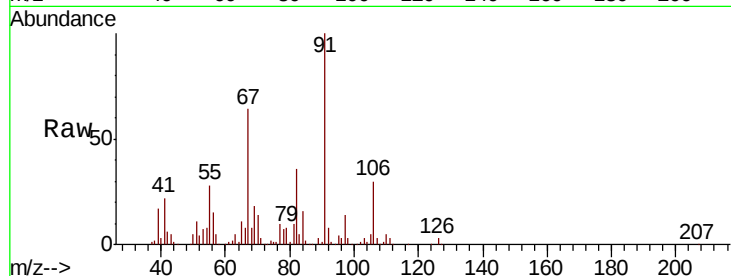
106 30.2 24.9 37.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052954.D (-3012) (-)

400000

300000

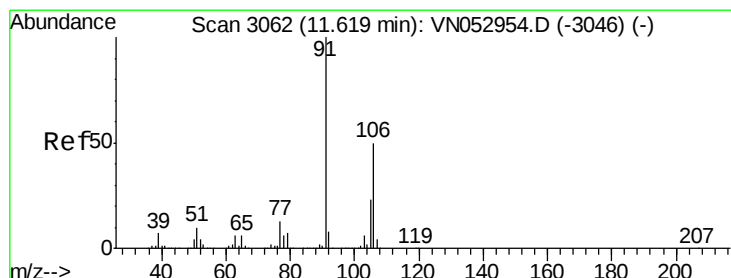
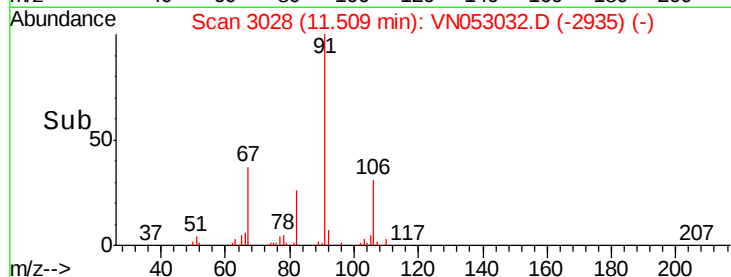
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 25.007 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN053032.D

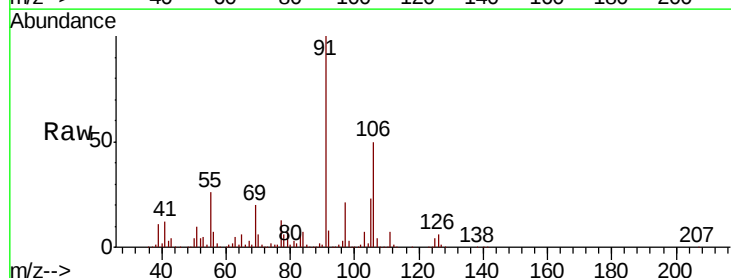
Acq: 20 Dec 2018 1:30

Tgt Ion: 106 Resp: 721919

Ion Ratio Lower Upper

106 100

91 205.7 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052954.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-3046) (-)

1000000

800000

600000

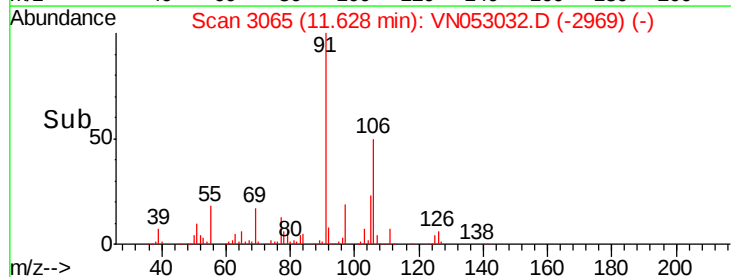
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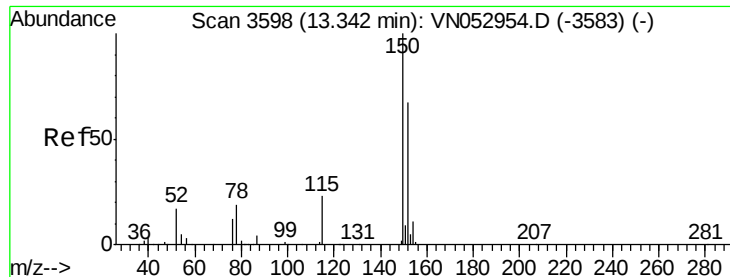
200000

0

11.60 11.63 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053032.D

Acq: 20 Dec 2018 1:30

Instrument :

MSVOA_N

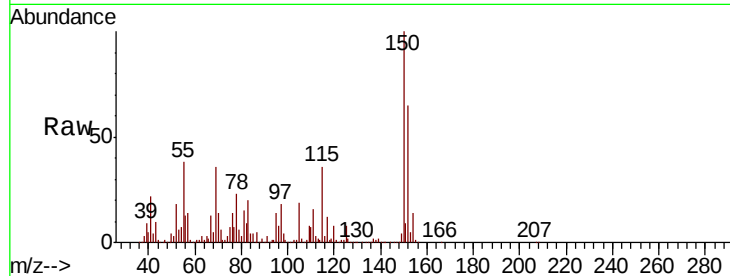
ClientSampleId :

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

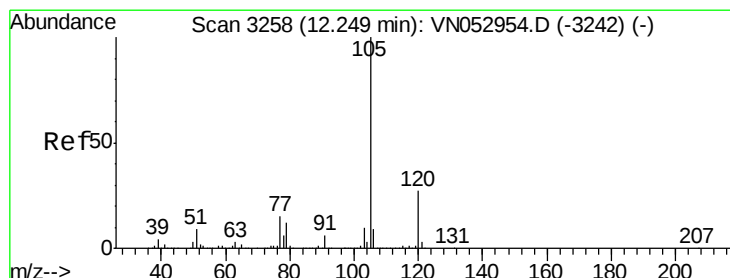
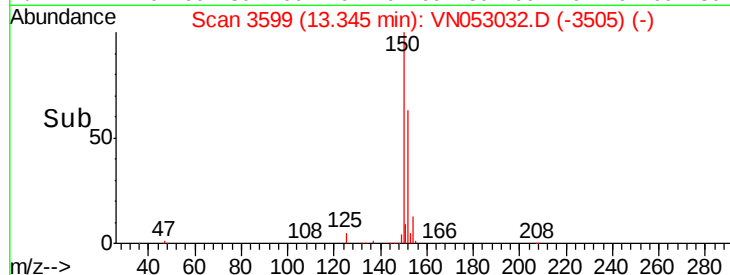
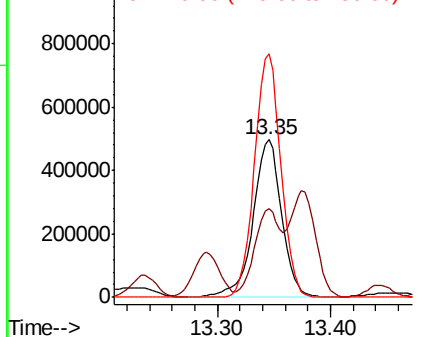
Tot Ion:	152	Resp:	867902
Ion Ratio	Lower	Upper	
152	100		
115	48.9	28.3	85.0
150	143.0	0.0	347.8

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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: 39.524 ug/l

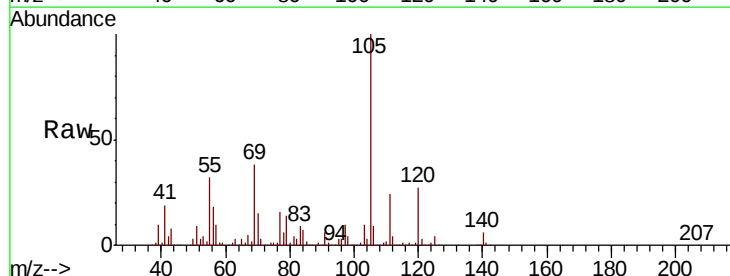
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

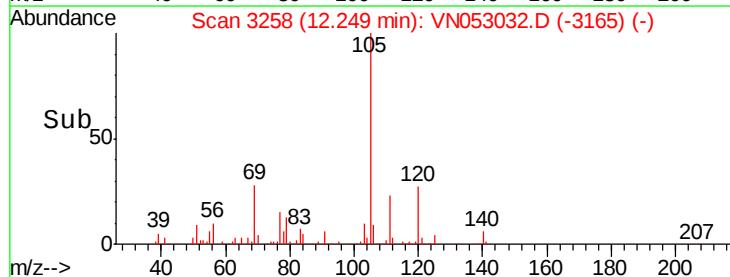
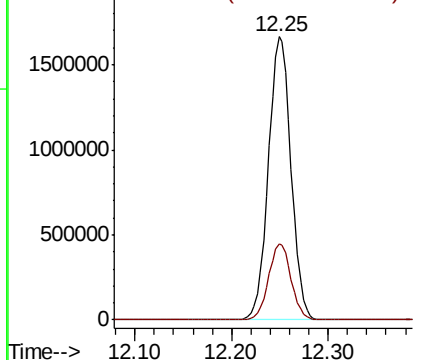
Lab File: VN053032.D

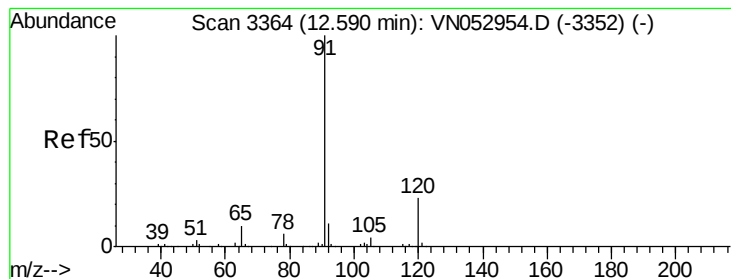
Acq: 20 Dec 2018 1:30

Tgt Ion:	105	Resp:	2683930
Ion Ratio	Lower	Upper	
105	100		
120	26.8	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: 96.928 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053032.D

Acq: 20 Dec 2018 1:30

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion: 91 Resp: 7496245

Ion Ratio Lower Upper

91 100

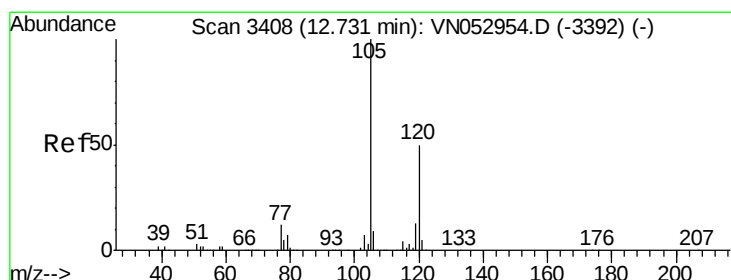
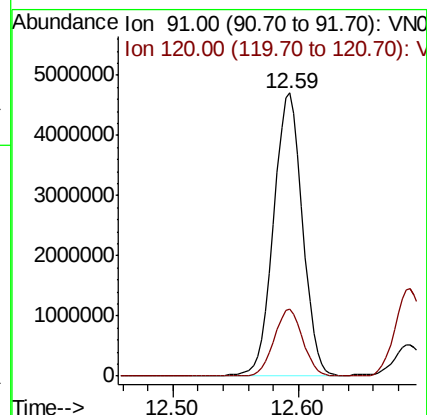
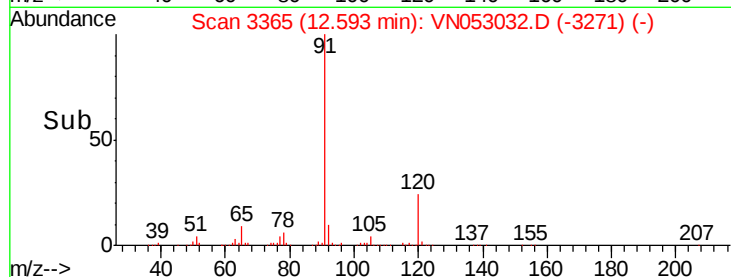
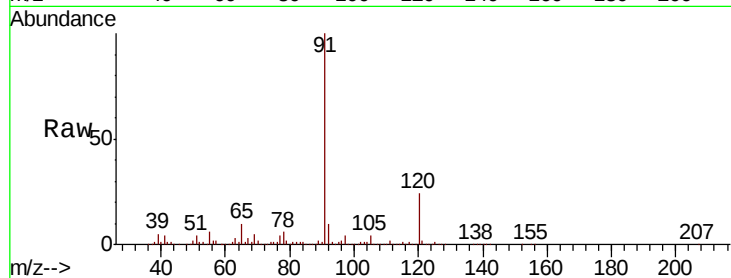
120 23.5 11.5 34.5

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#80

1,3,5-Trimethylbenzene

Concen: 139.525 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. -0.04 min

Lab File: VN053032.D

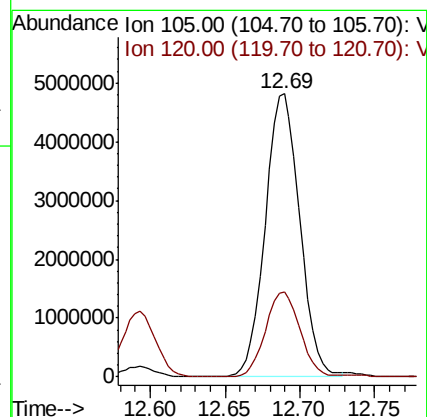
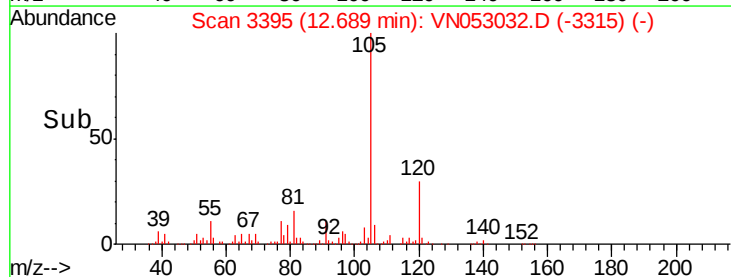
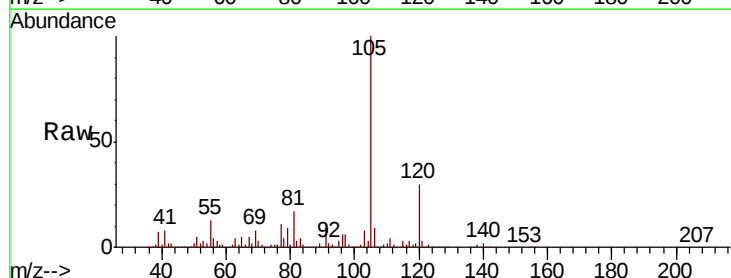
Acq: 20 Dec 2018 1:30

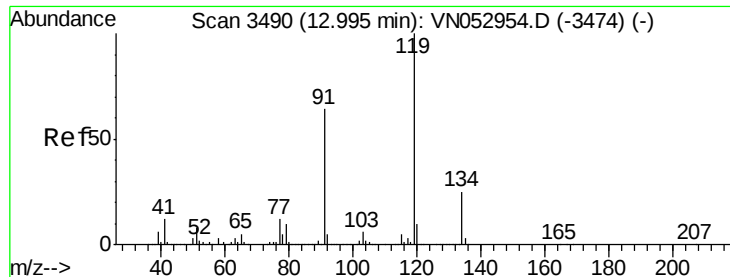
Tgt Ion: 105 Resp: 7722578

Ion Ratio Lower Upper

105 100

120 30.1 24.4 73.2





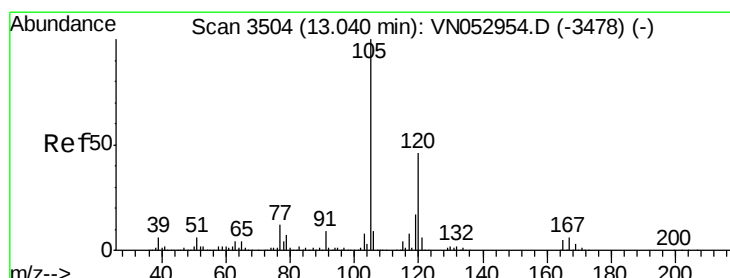
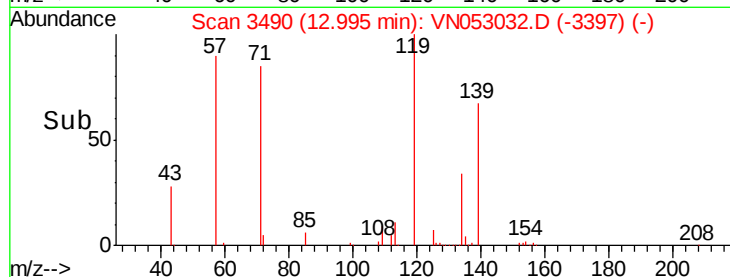
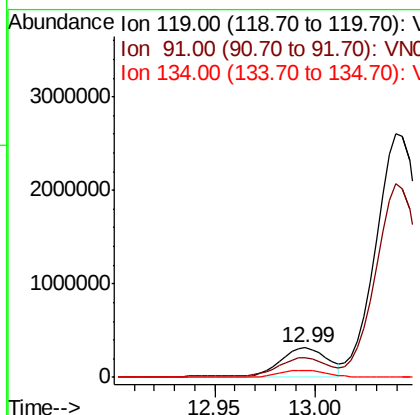
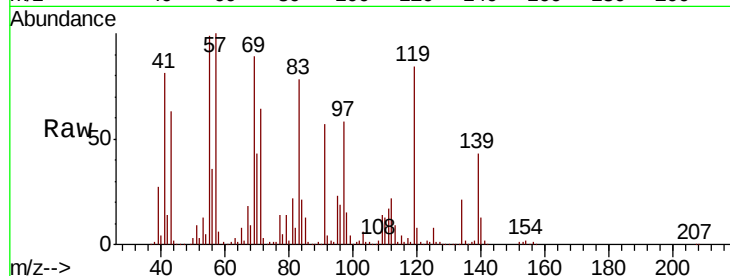
#83
 tert-Butylbenzene
 Concen: 10.312 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053032.D
 Acq: 20 Dec 2018 1:30

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	504765		
91	69.1		31.9	95.5
134	24.6		12.8	38.4

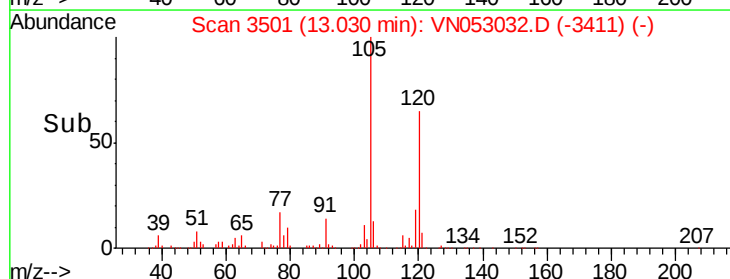
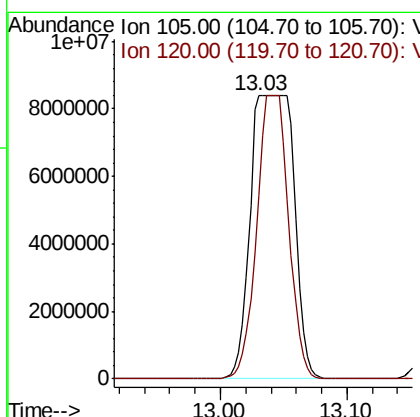
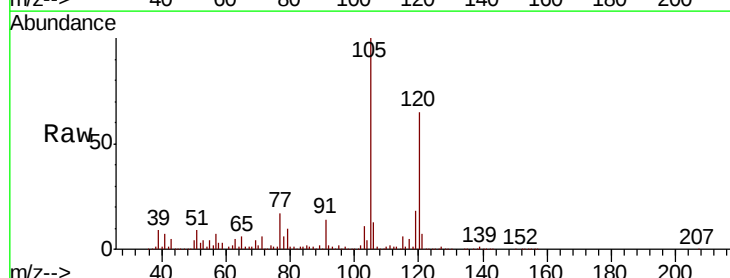
Manual Integrations
 APPROVED

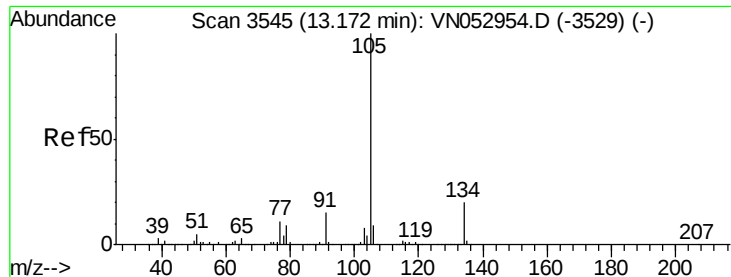
MMDadoda
 12/20/2018 9:33:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 359.382 ug/l m
 RT: 13.03 min Scan# 3501
 Delta R.T. -0.01 min
 Lab File: VN053032.D
 Acq: 20 Dec 2018 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	19996487		
120	0.0		22.9	68.8#





#85

sec-Butylbenzene

Concen: 57.282 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053032.D

Acq: 20 Dec 2018 1:30

Instrument :

MSVOA_N

ClientSampleId :

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

Tot Ion:105 Resp: 3792677

Ion Ratio Lower Upper

105 100

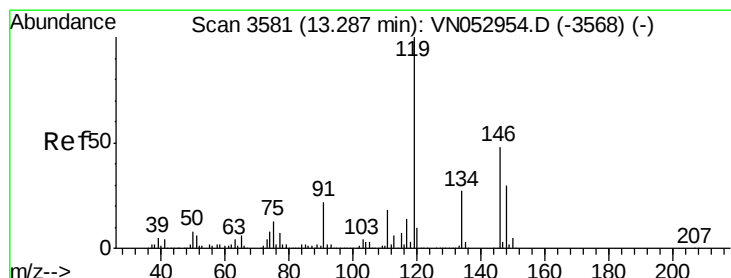
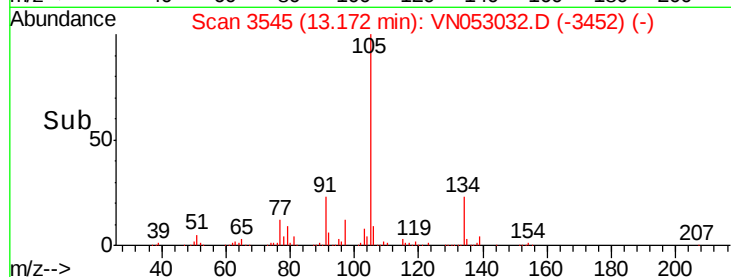
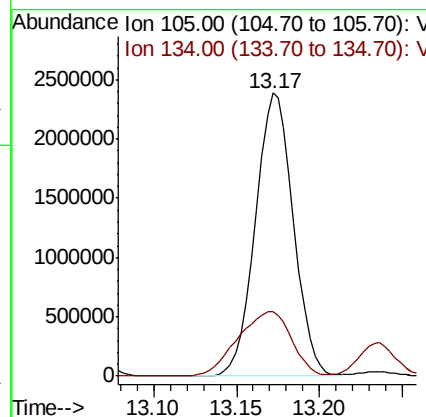
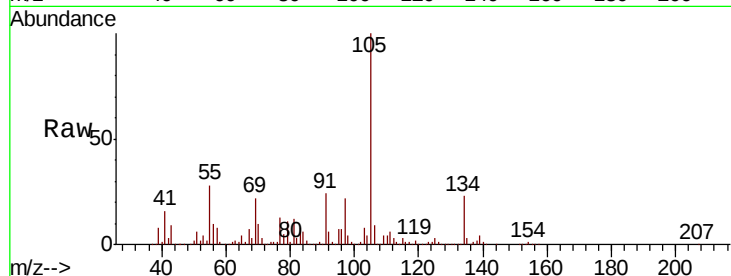
134 32.2 10.1 30.3#

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#86

p-Isopropyltoluene

Concen: 56.745 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053032.D

Acq: 20 Dec 2018 1:30

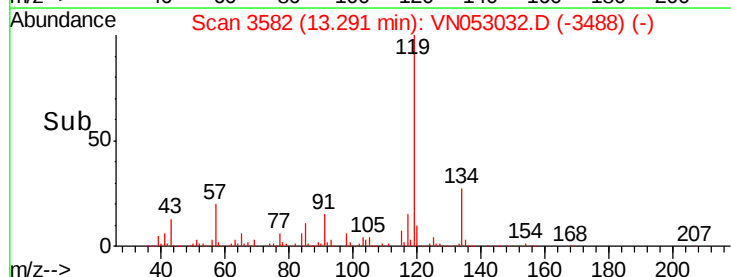
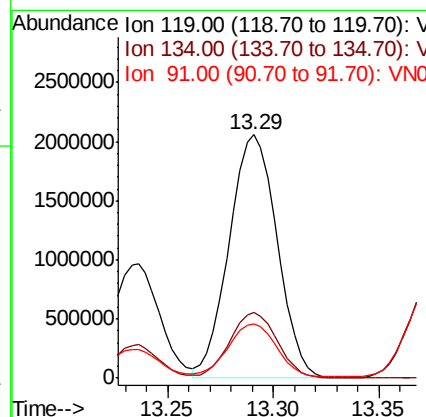
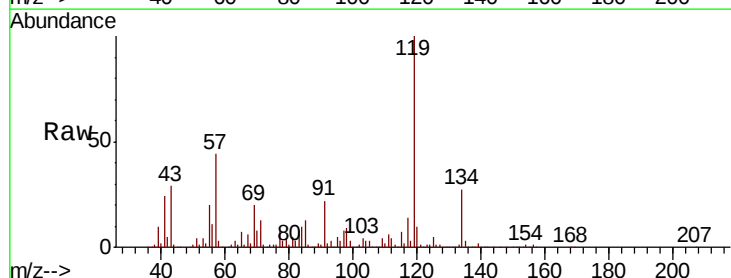
Tgt Ion:119 Resp: 3246485

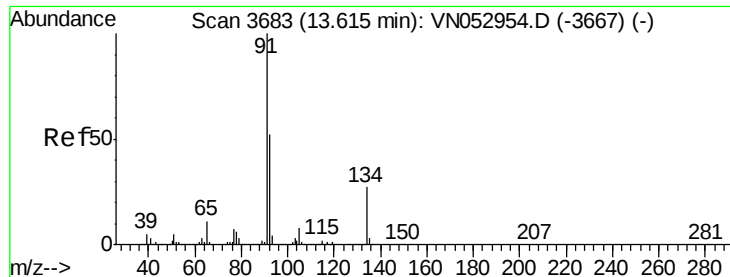
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.0 11.1 33.3





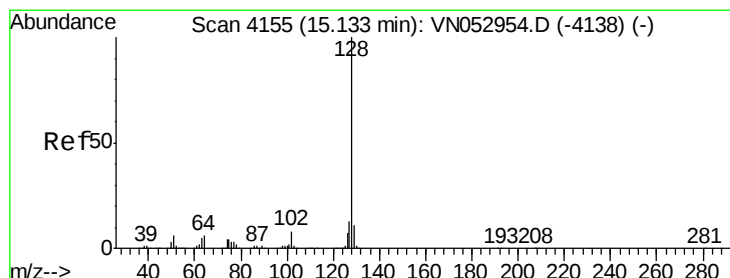
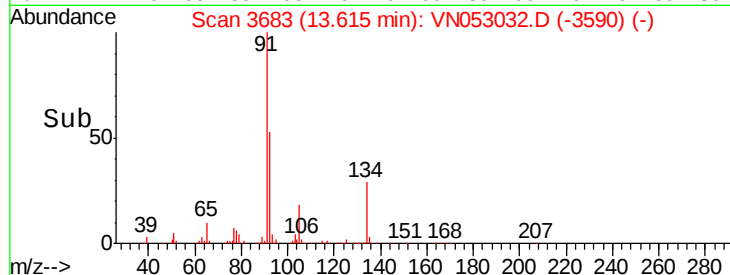
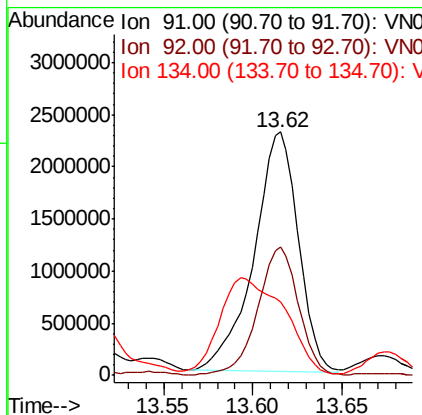
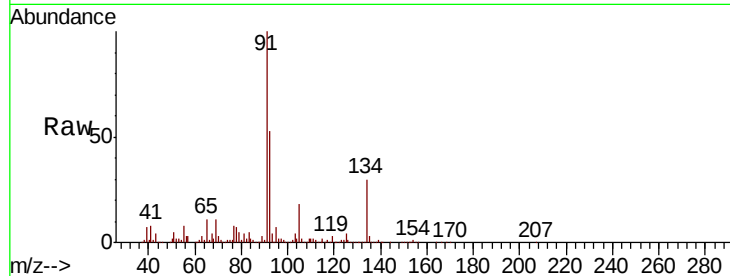
#89
n-Butylbenzene
Concen: 80.931 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053032.D
Acq: 20 Dec 2018 1:30

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.7	26.3	78.9
134	0.0	13.3	39.8

Manual Integrations
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12/20/2018 9:33:10 AM



#95
Naphthalene
Concen: 6.331 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053032.D
Acq: 20 Dec 2018 1:30

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.0	8.6	13.0

