

Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

Manual Integrations
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MMDadoda
5/6/2019 10:47:58 AM

Quant Time: May 04 00:00:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	448152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	771246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	708792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	322548	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	300920	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.59	113	240147	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	10.09	98	963036	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.40	95	451284	78.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.98%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	24622	3.135	ug/l	95
67) Ethyl Benzene	11.51	91	77753	3.107	ug/l	95
68) m/p-Xylenes	11.63	106	31856	3.566	ug/l #	65
73) Isopropylbenzene	12.25	105	785121	29.281	ug/l	99
78) n-propylbenzene	12.59	91	2087163	62.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	130154m	5.147	ug/l	
83) tert-Butylbenzene	12.99	119	207453	9.217	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	13652591	603.693	ug/l	100
85) sec-Butylbenzene	13.17	105	1605307	58.408	ug/l #	73
86) p-Isopropyltoluene	13.29	119	735836	32.574	ug/l	99
89) n-Butylbenzene	13.61	91	1727730	107.634	ug/l #	78
95) Naphthalene	15.13	128	133069	17.183	ug/l	99

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

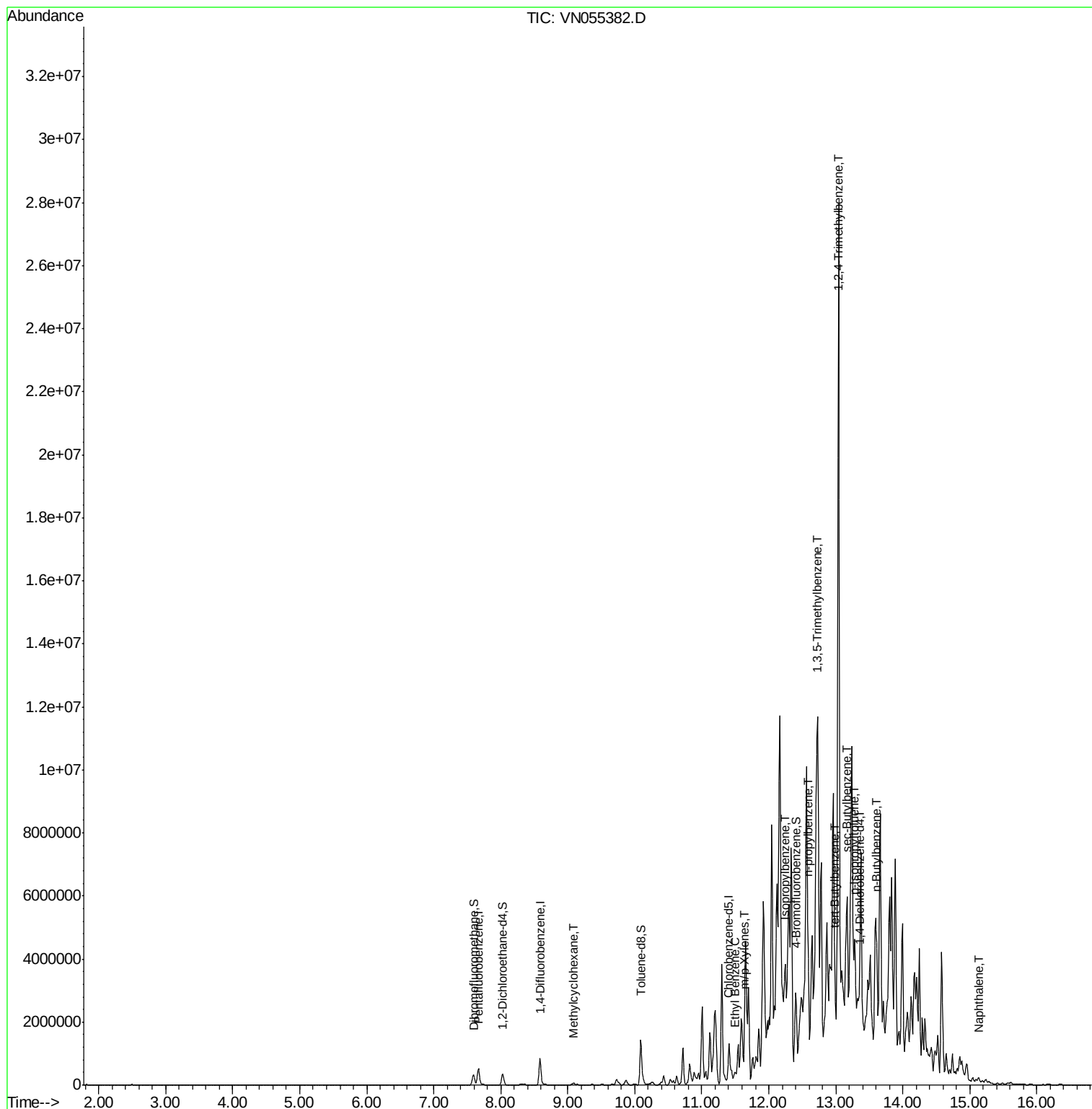
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ALS Vial      : 8      Sample Multiplier: 1
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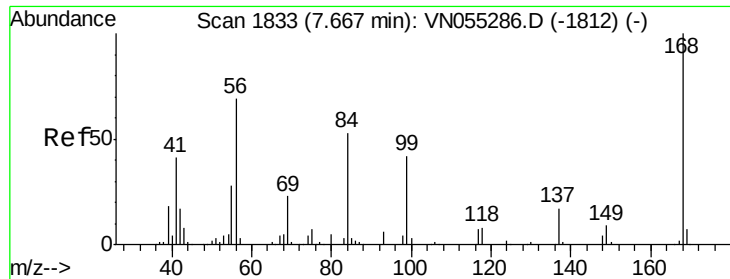
EP1-SB-E3-4(14-17)

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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: VN055382.D

Acq: 3 May 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(14-17)

Tgt Ion: 168 Resp: 448152

Ion Ratio Lower Upper

168 100

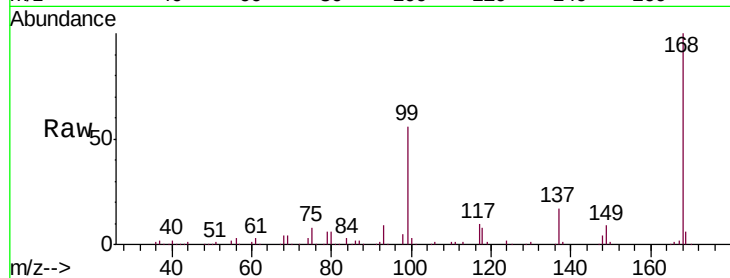
99 56.4 43.6 65.4

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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

200000

150000

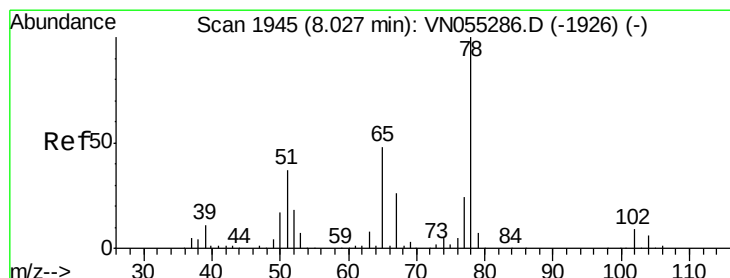
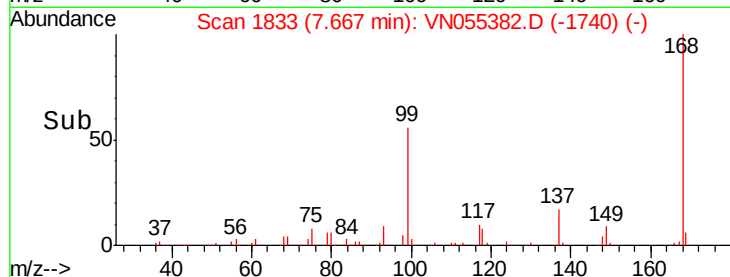
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.327 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055382.D

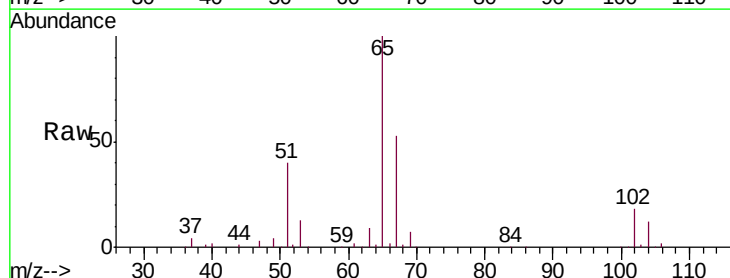
Acq: 3 May 2019 12:02

Tgt Ion: 65 Resp: 300920

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

150000

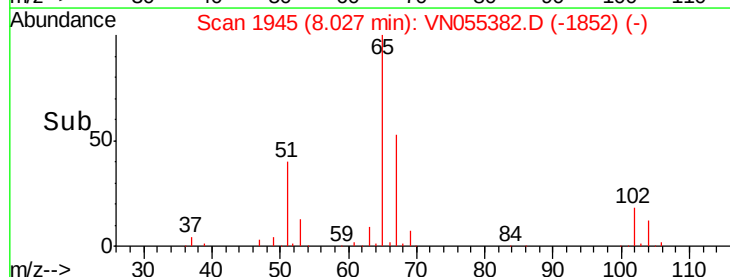
100000

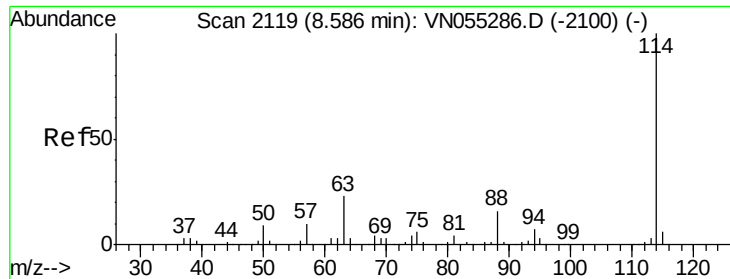
50000

0

7.90 8.00 8.10

Time-->





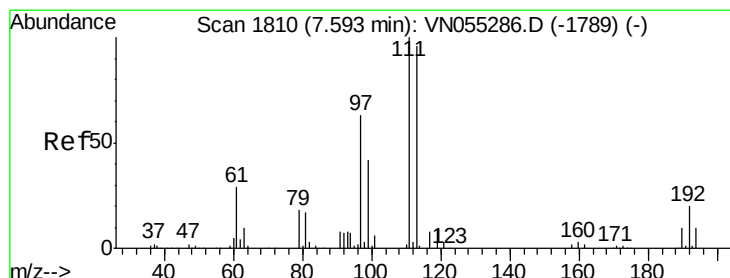
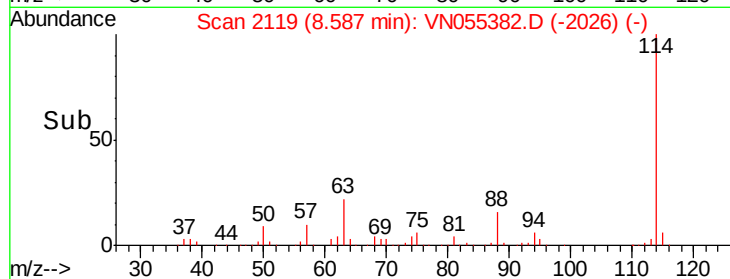
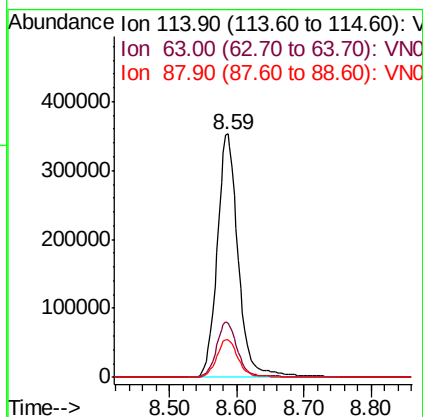
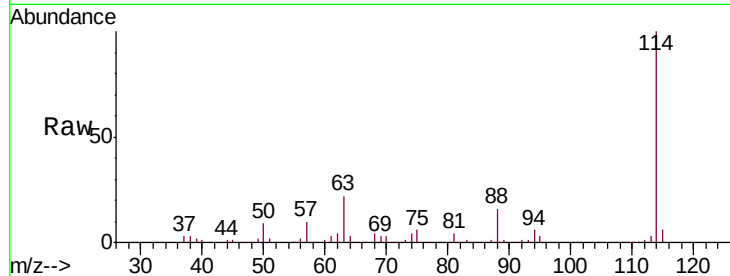
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055382.D
Acq: 3 May 2019 12:02

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.5	0.0	45.2
88	15.6	0.0	31.6

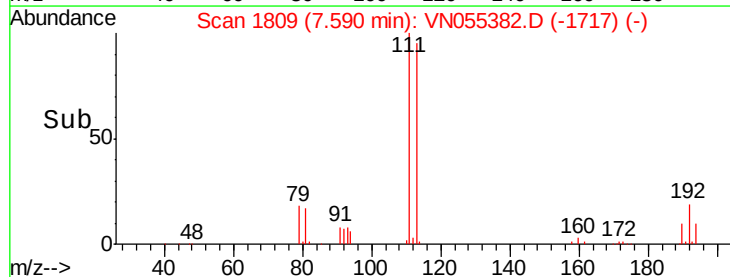
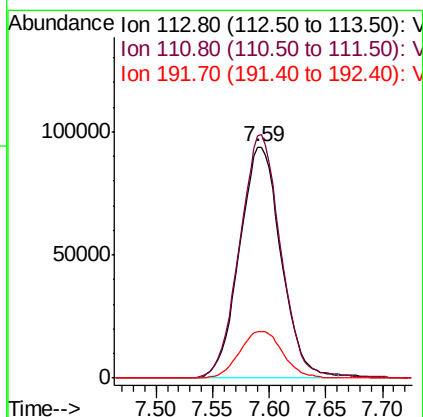
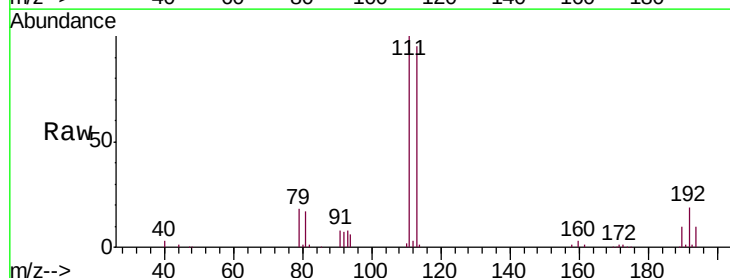
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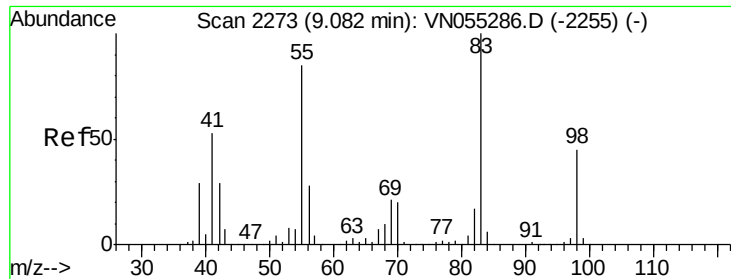
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#35
Dibromofluoromethane
Concen: 47.439 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055382.D
Acq: 3 May 2019 12:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	104.6	82.3	123.5
192	21.0	17.0	25.6





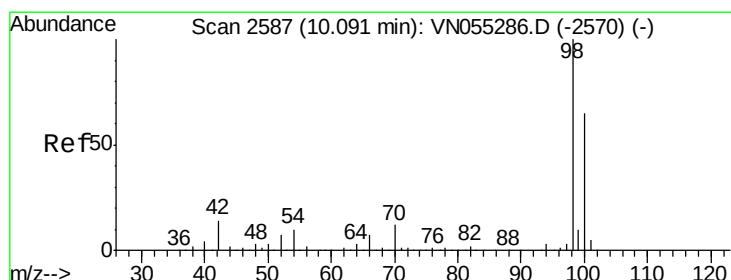
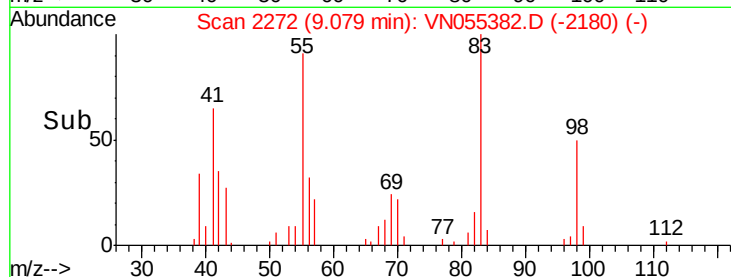
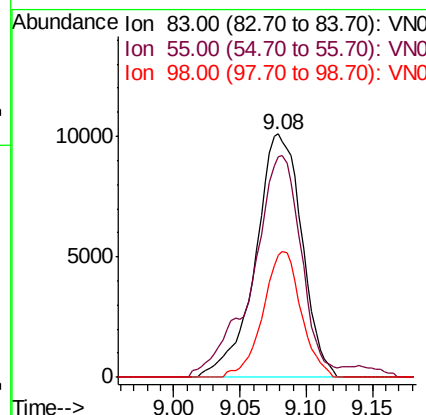
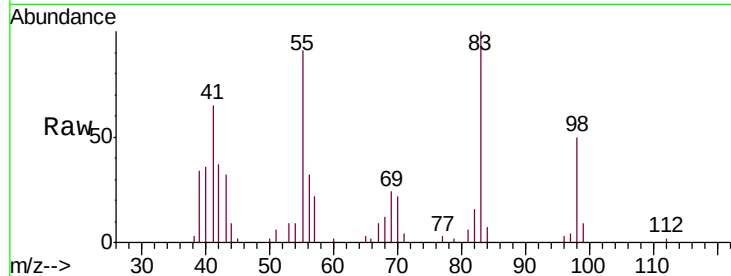
#39
Methylcyclohexane
Concen: 3.135 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055382.D
Acq: 3 May 2019 12:02

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.9	67.8	101.6
98	50.2	36.2	54.4

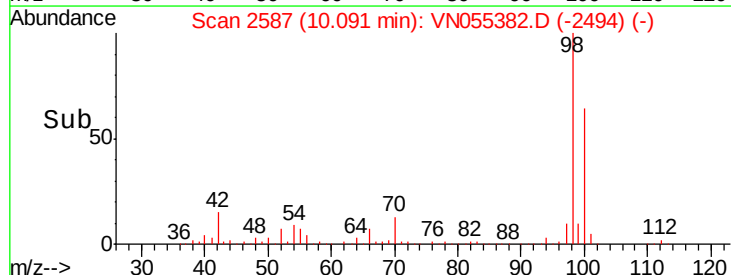
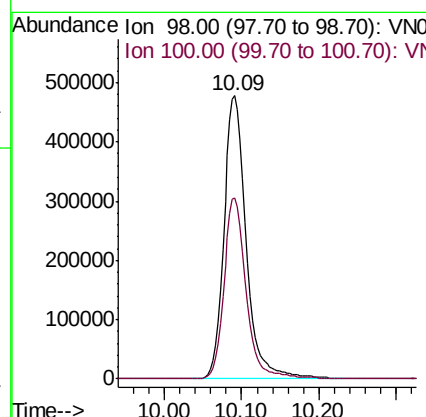
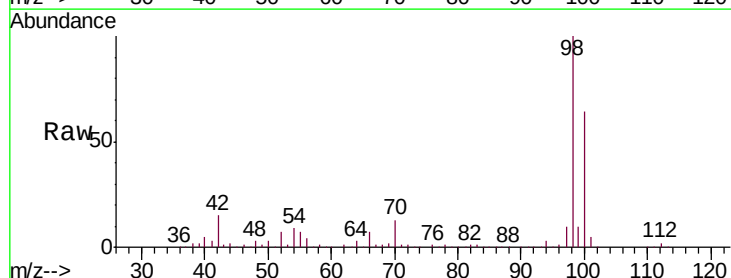
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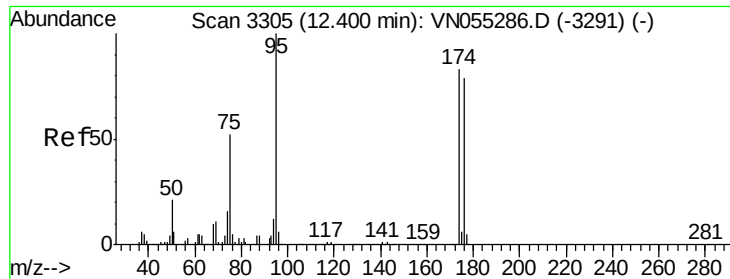
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5/6/2019 10:47:58 AM



#50
Toluene-d8
Concen: 52.685 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055382.D
Acq: 3 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





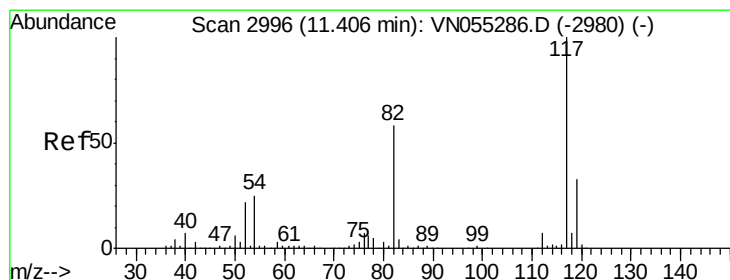
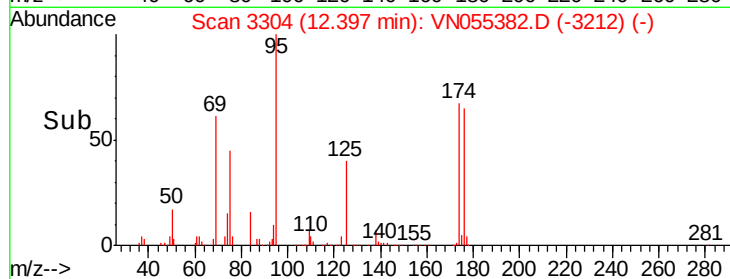
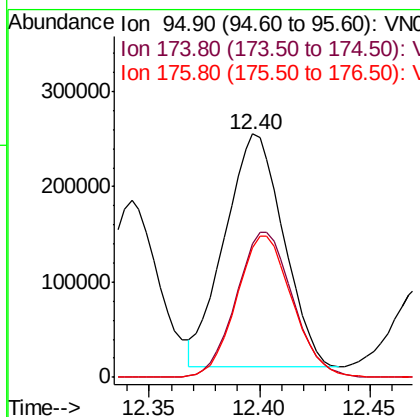
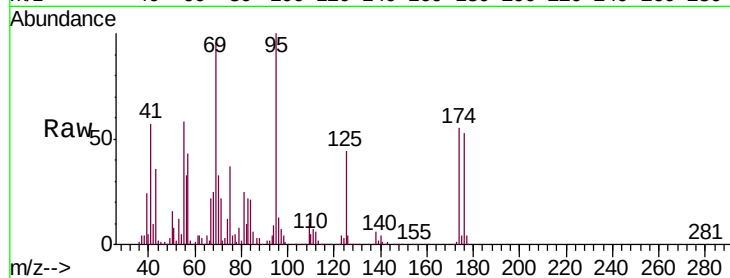
#62
4-Bromofluorobenzene
Concen: 78.994 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN055382.D
Acq: 3 May 2019 12:02

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	451284		
174	60.0	0.0	166.6	
176	57.9	0.0	157.8	

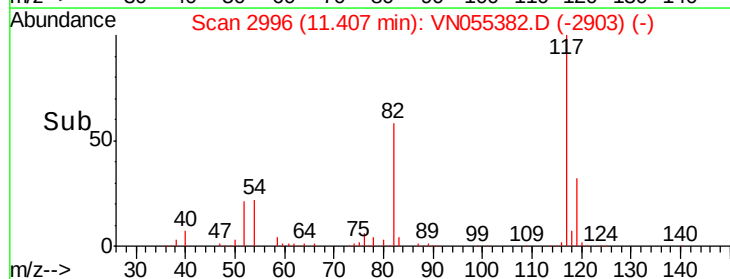
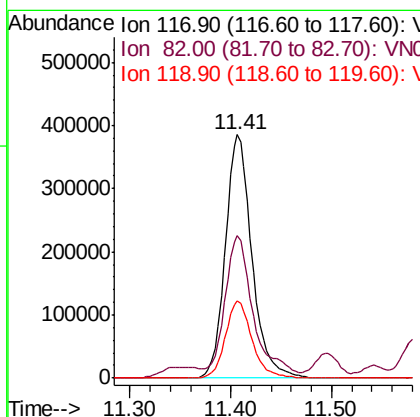
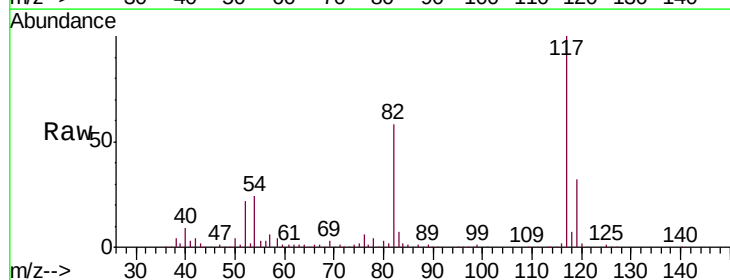
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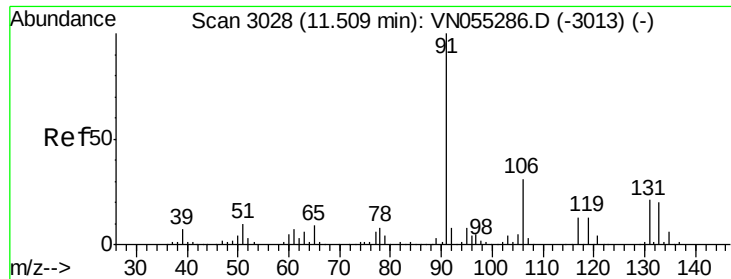
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055382.D
Acq: 3 May 2019 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	708792		
82	53.8	46.2	69.4	
119	31.9	26.6	40.0	





#67

Ethyl Benzene

Concen: 3.107 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(14-17)

Tgt Ion: 91 Resp: 77753

Ion Ratio Lower Upper

91 100

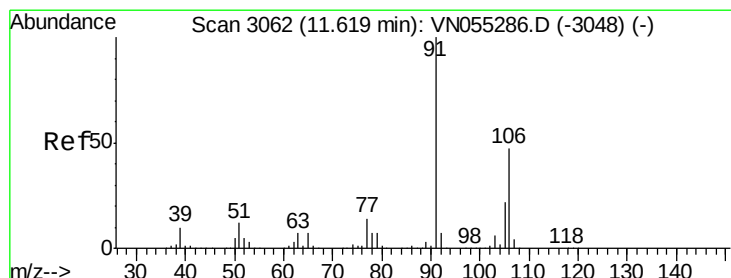
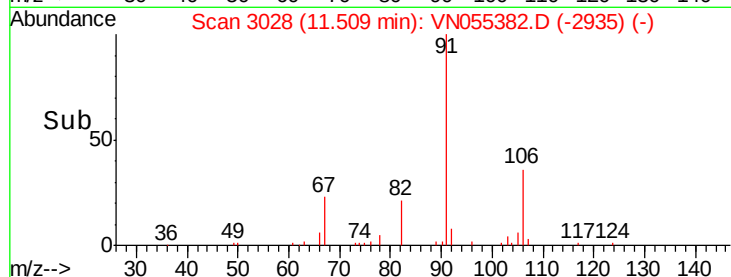
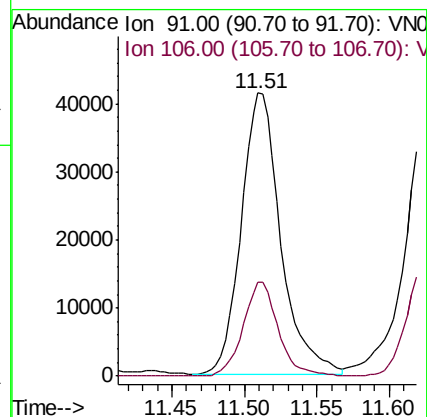
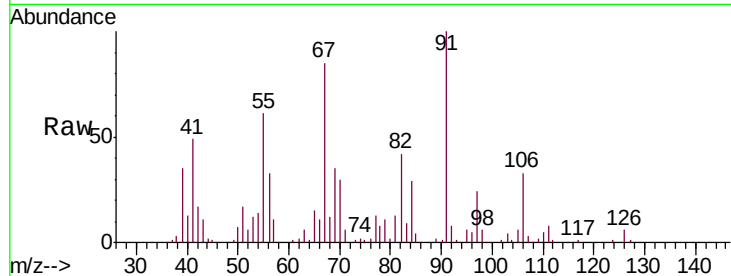
106 33.4 24.6 36.8

Manual Integrations

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5/6/2019 10:47:58 AM



#68

m/p-Xylenes

Concen: 3.566 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.01 min

Lab File: VN055382.D

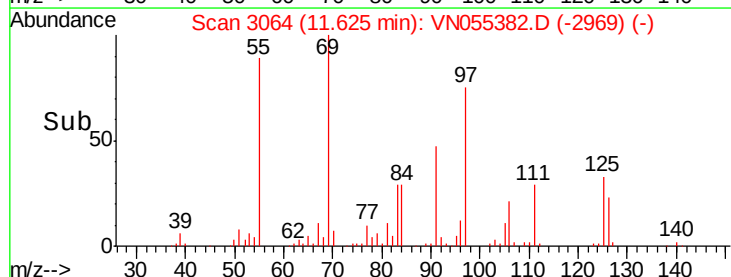
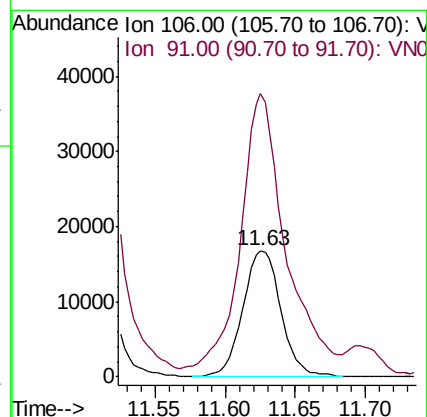
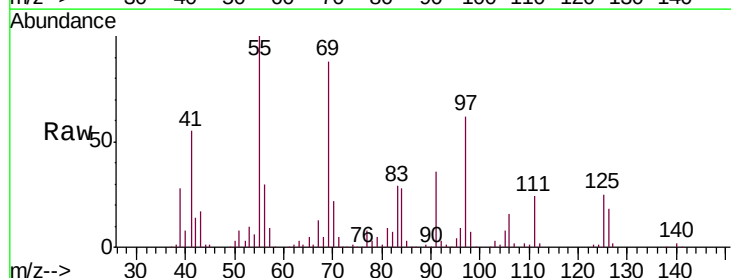
Acq: 3 May 2019 12:02

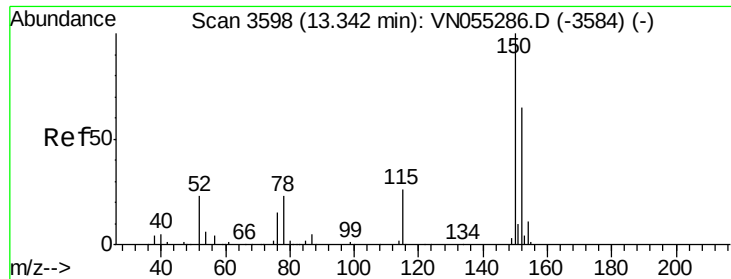
Tgt Ion: 106 Resp: 31856

Ion Ratio Lower Upper

106 100

91 266.3 169.5 254.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(14-17)

Tgt Ion:152 Resp: 322548

Ion Ratio Lower Upper

152 100

115 47.3 29.0 87.0

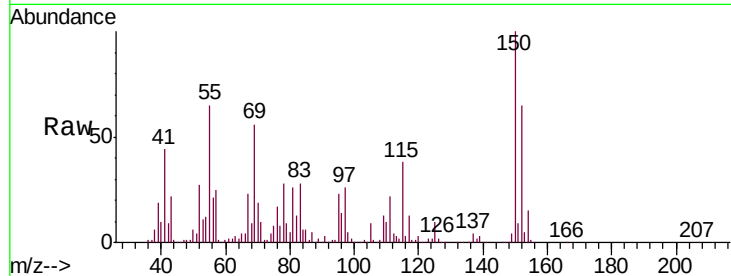
150 135.9 0.0 345.6

Manual Integrations

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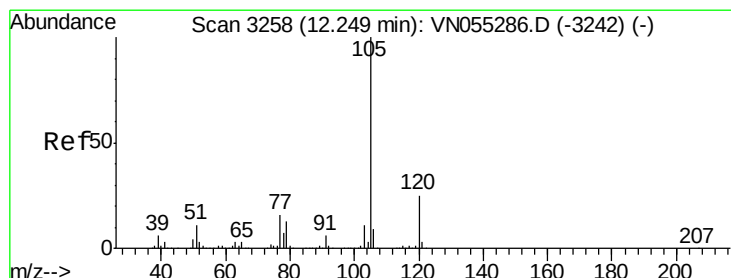
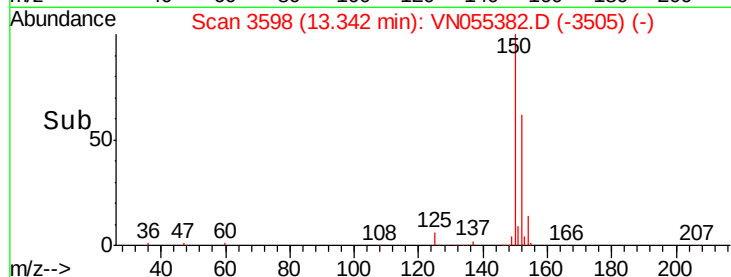
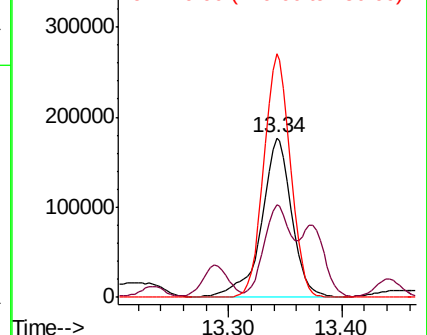
5/6/2019 10:47:58 AM



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: 29.281 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055382.D

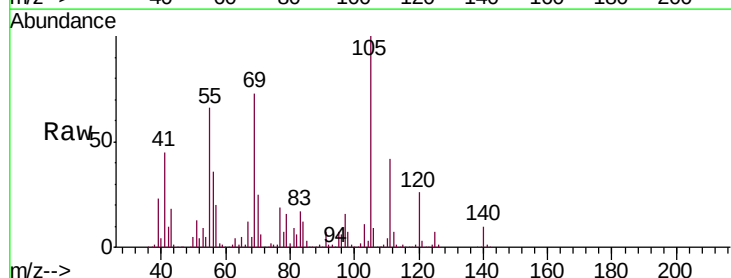
Acq: 3 May 2019 12:02

Tgt Ion:105 Resp: 785121

Ion Ratio Lower Upper

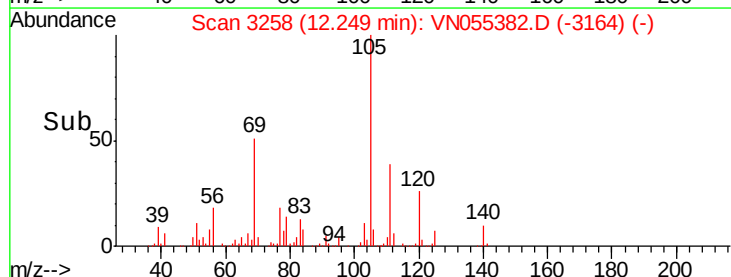
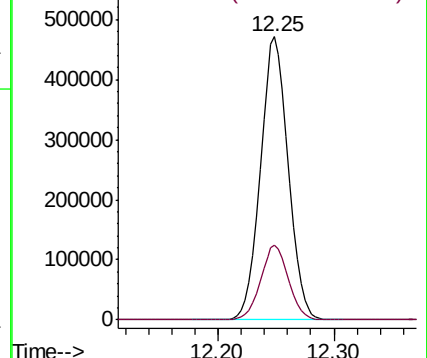
105 100

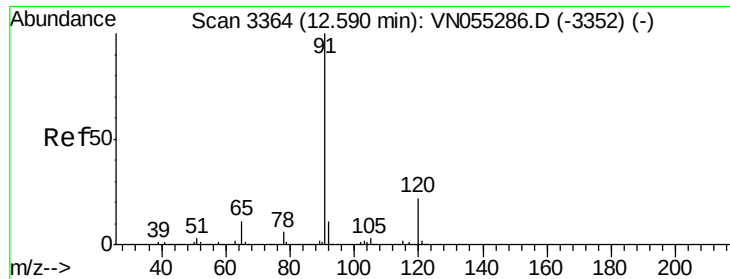
120 26.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 62.995 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(14-17)

Tgt Ion: 91 Resp: 2087163

Ion Ratio Lower Upper

91 100

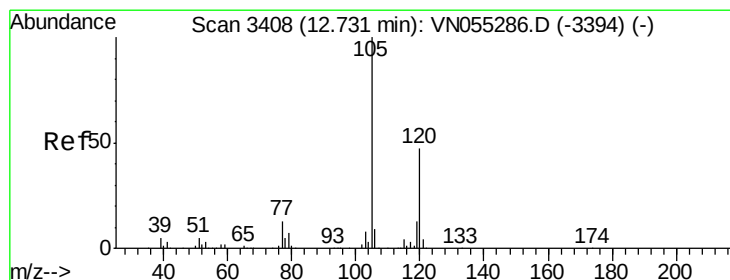
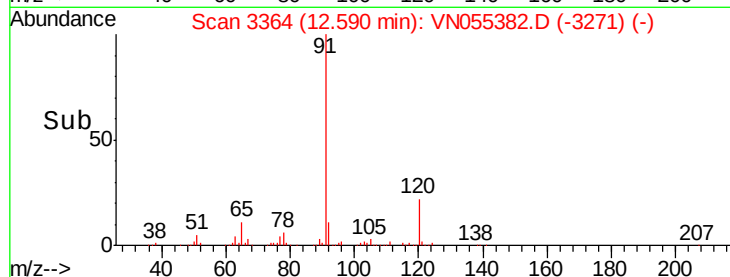
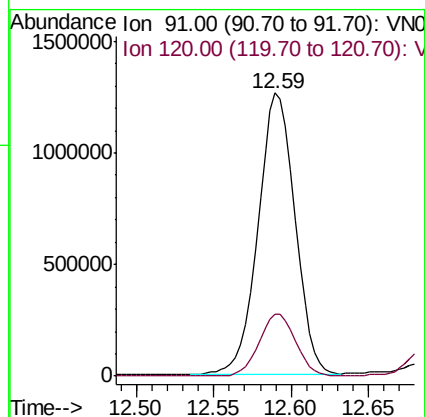
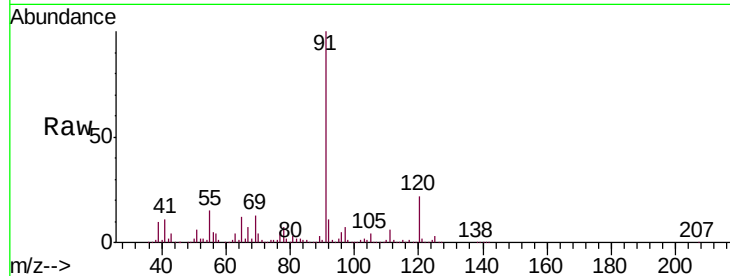
120 21.9 11.0 33.0

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5/6/2019 10:47:58 AM



#80

1,3,5-Trimethylbenzene

Concen: 5.147 ug/l m

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055382.D

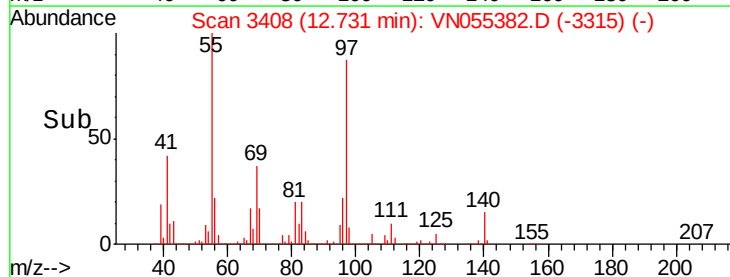
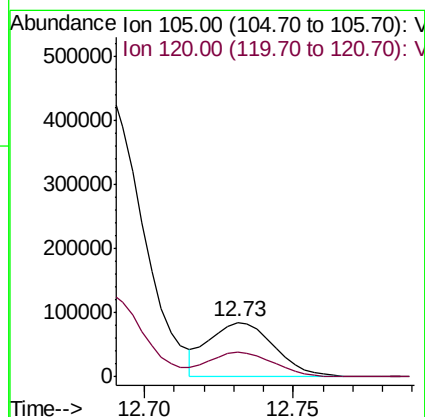
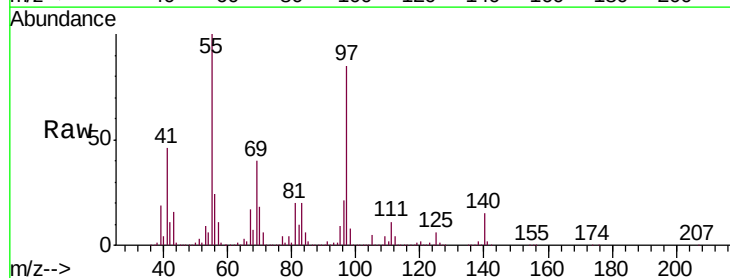
Acq: 3 May 2019 12:02

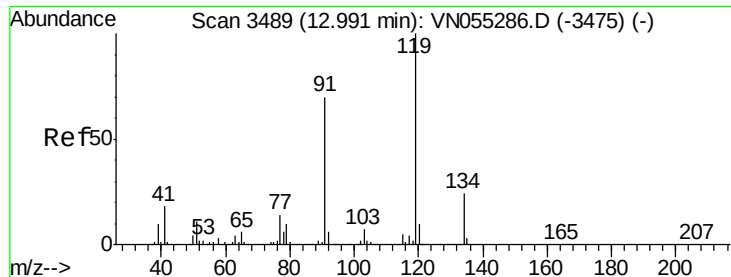
Tgt Ion: 105 Resp: 130154

Ion Ratio Lower Upper

105 100

120 160.9 23.4 70.0#





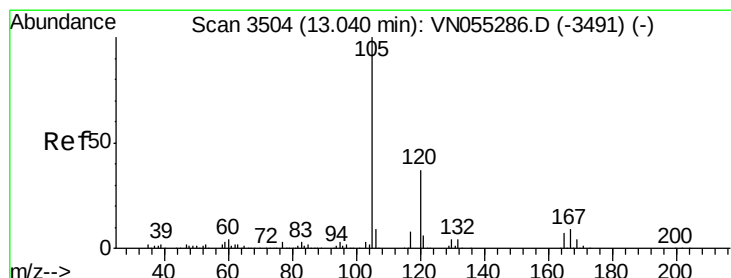
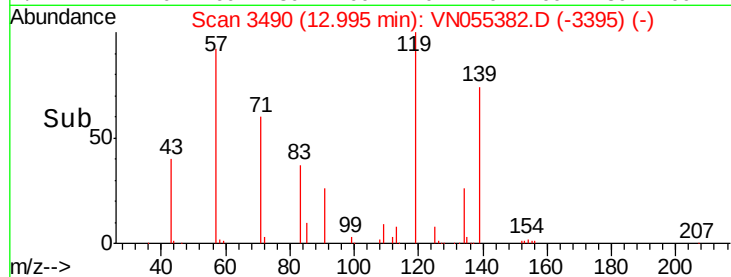
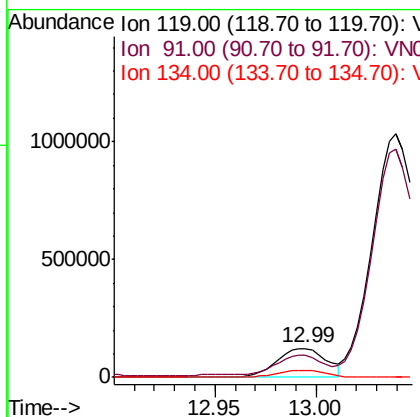
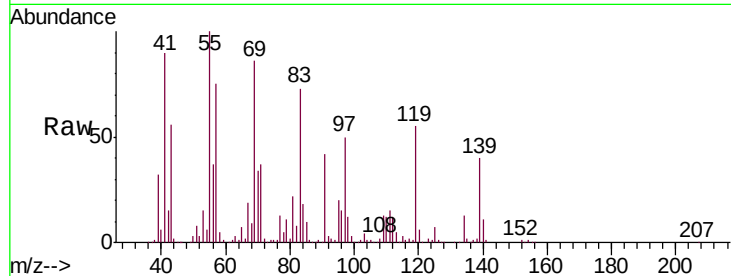
#83
 tert-Butylbenzene
 Concen: 9.217 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055382.D
 Acq: 3 May 2019 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(14-17)

Tgt Ion	Ratio	Lower	Upper
119	100		
91	73.5	34.3	102.9
134	23.3	13.1	39.3

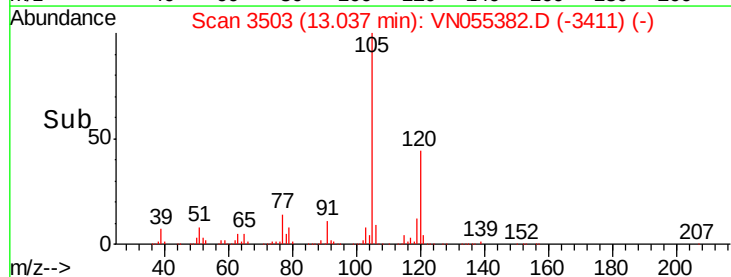
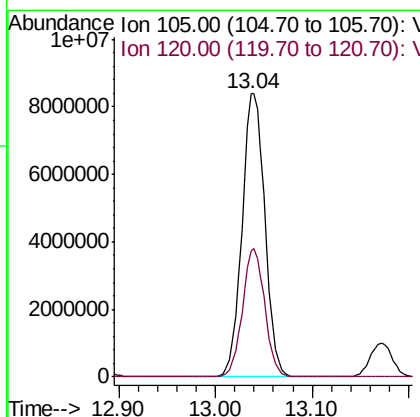
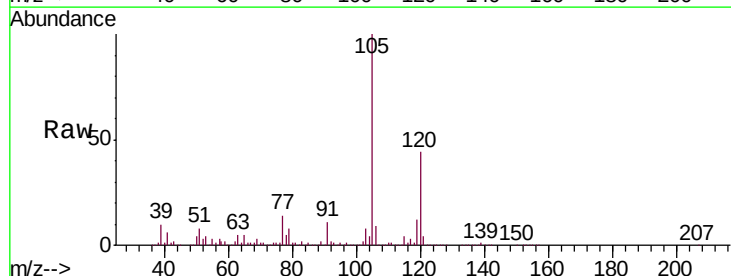
Manual Integrations
 APPROVED

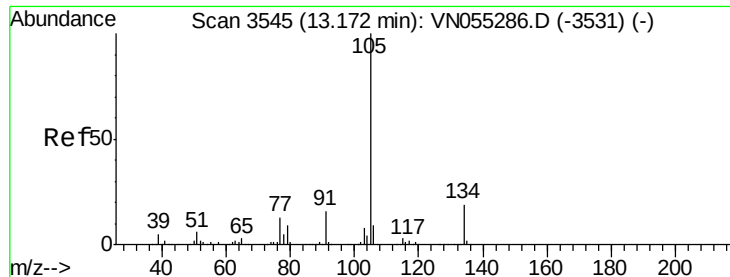
MMDadoda
 5/6/2019 10:47:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 603.693 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055382.D
 Acq: 3 May 2019 12:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 58.408 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(14-17)

Tgt Ion:105 Resp: 1605307

Ion Ratio Lower Upper

105 100

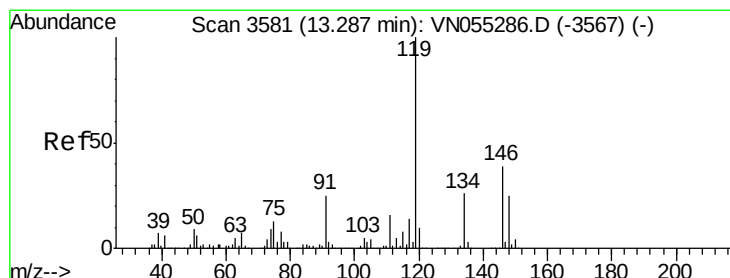
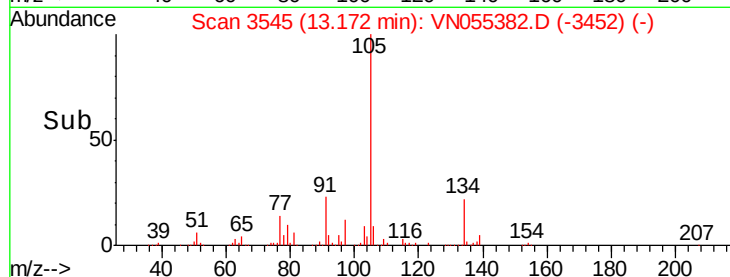
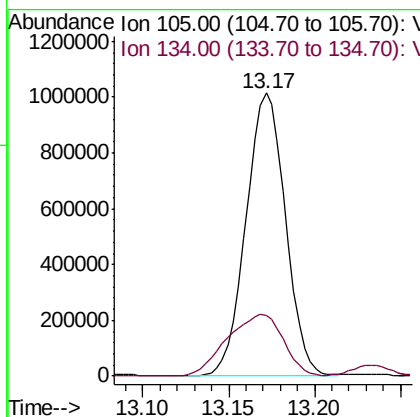
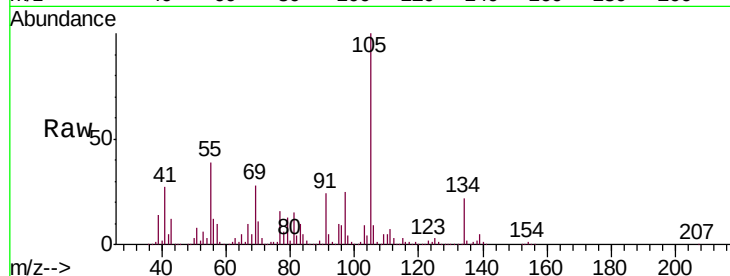
134 31.3 9.6 28.8#

Manual Integrations

APPROVED

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5/6/2019 10:47:58 AM



#86

p-Isopropyltoluene

Concen: 32.574 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

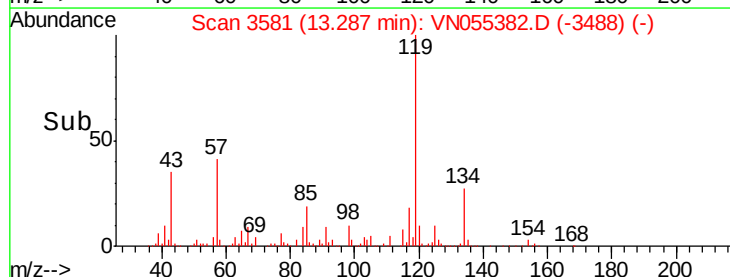
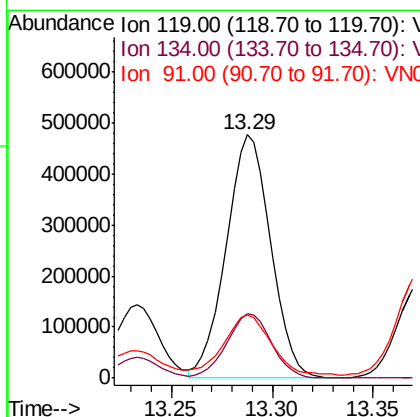
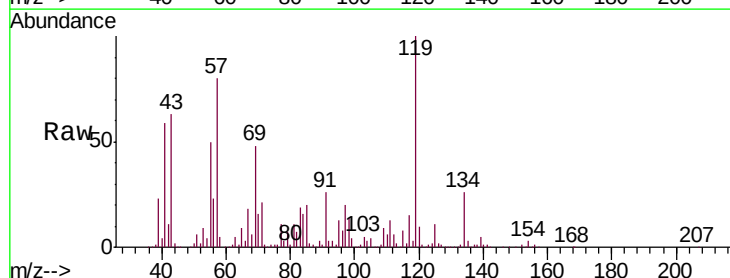
Tgt Ion:119 Resp: 735836

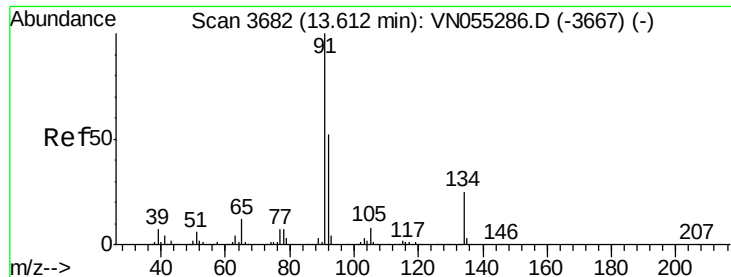
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 25.3 12.2 36.6





#89

n-Butylbenzene

Concen: 107.634 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E3-4(14-17)

Tgt Ion: 91 Resp: 1727730

Ion Ratio Lower Upper

91 100

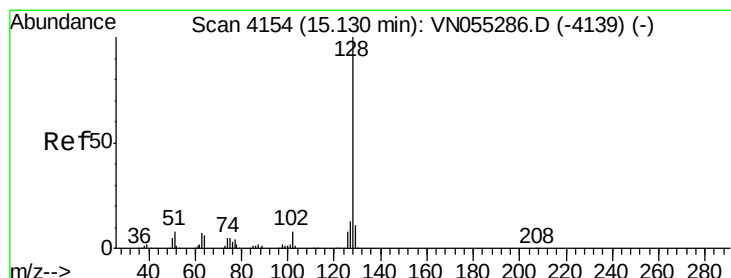
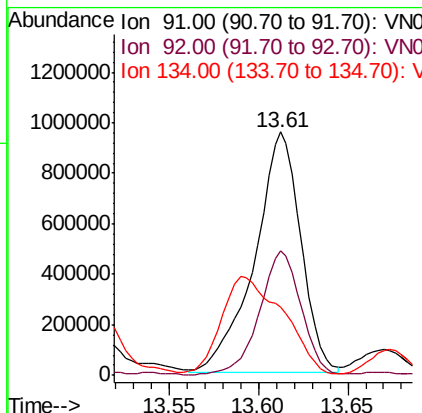
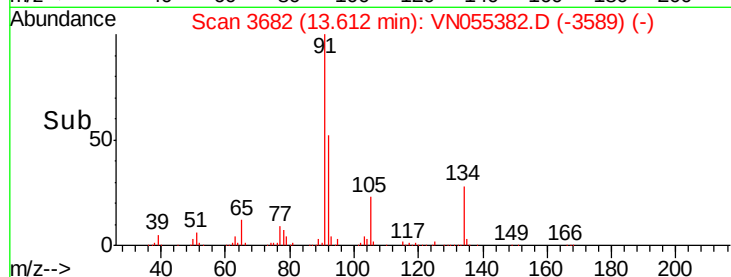
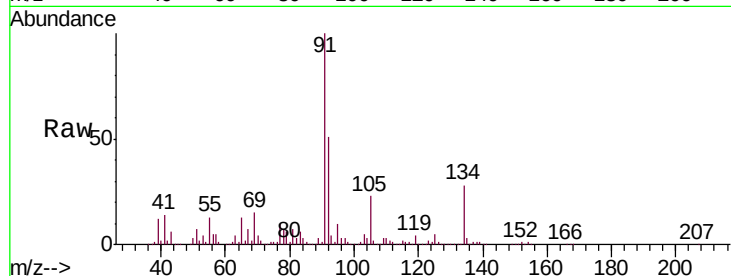
92 45.8 26.1 78.3

134 0.0 12.4 37.4#

Manual Integrations
APPROVED

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5/6/2019 10:47:58 AM



#95

Naphthalene

Concen: 17.183 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055382.D

Acq: 3 May 2019 12:02

Tgt Ion: 128 Resp: 133069

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 9.9 8.6 13.0

