

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059340.D
 Acq On : 21 Nov 2019 16:55
 Operator : JC/SP
 Sample : K5957-13
 Misc : 4.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111919

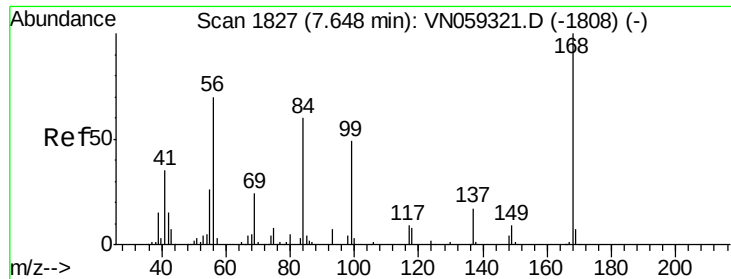
Manual Integrations
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MMDadoda
 11/22/2019 3:12:37 PM

Quant Time: Nov 22 06:55:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	385245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	599903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	394387	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	217822	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	7.57	113	173480	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.08	98	773476	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.39	95	799209	159.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.50%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.07	83	119886	16.053	ug/l	99
64) Tetrachloroethene	10.63	164	4020	1.001	ug/l	97
67) Ethyl Benzene	11.51	91	2049196	102.840	ug/l	99
68) m/p-Xylenes	11.62	106	45522	6.148	ug/l	82
69) o-Xylene	11.95	106	479953	67.710	ug/l	92
73) Isopropylbenzene	12.25	105	2435271	75.378	ug/l	98
78) n-propylbenzene	12.60	91	5425090	148.242	ug/l	79
80) 1,3,5-Trimethylbenzene	12.74	105	6838670m	251.803	ug/l	
83) tert-Butylbenzene	13.00	119	532814	23.229	ug/l	93
84) 1,2,4-Trimethylbenzene	13.05	105	9596689m	360.721	ug/l	
85) sec-Butylbenzene	13.18	105	3760562	121.980	ug/l #	62
86) p-Isopropyltoluene	13.29	119	3693437	134.632	ug/l	92
89) n-Butylbenzene	13.62	91	3139579	130.459	ug/l #	66
95) Naphthalene	15.13	128	1883138	79.024	ug/l	100

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



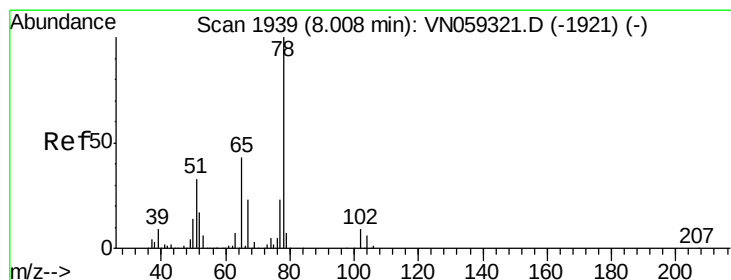
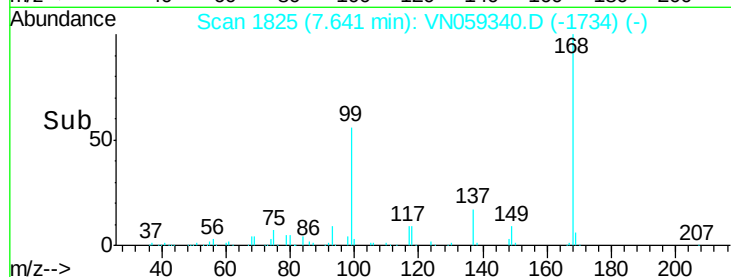
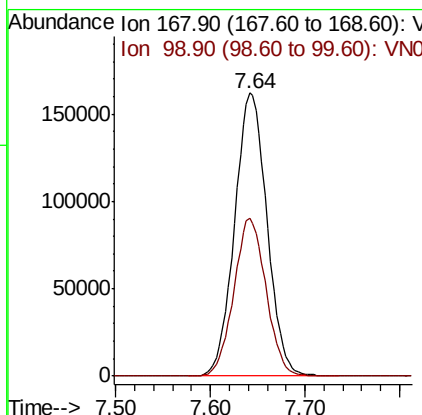
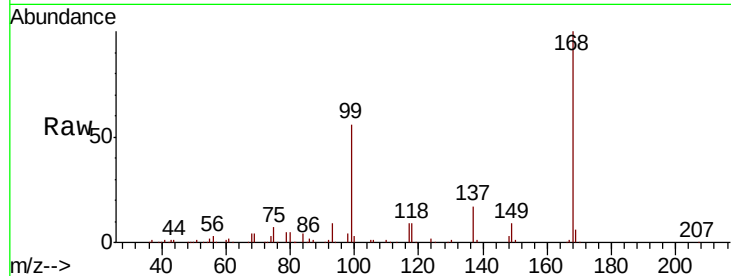
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
FD-111919

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.6	66.8

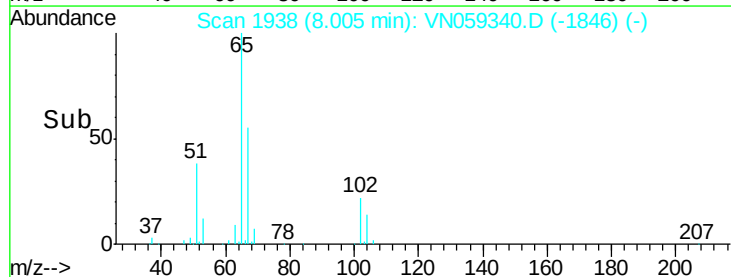
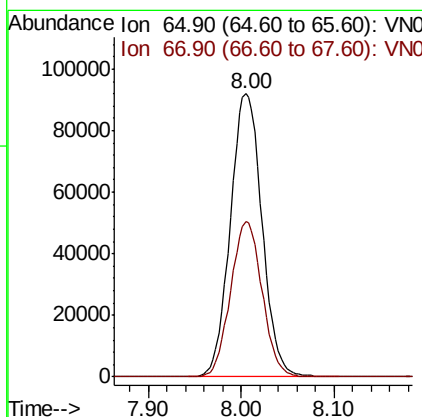
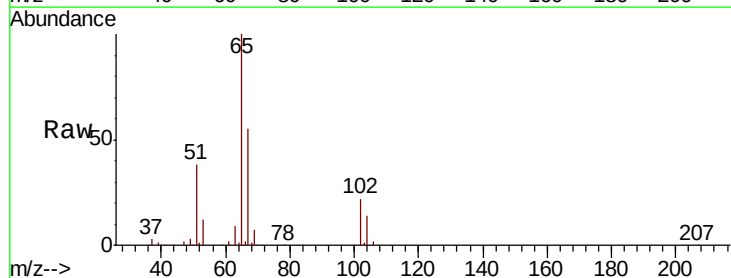
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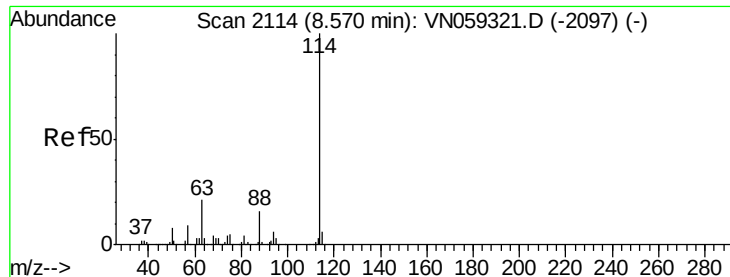
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#33
1,2-Dichloroethane-d4
Concen: 47.124 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	109.4





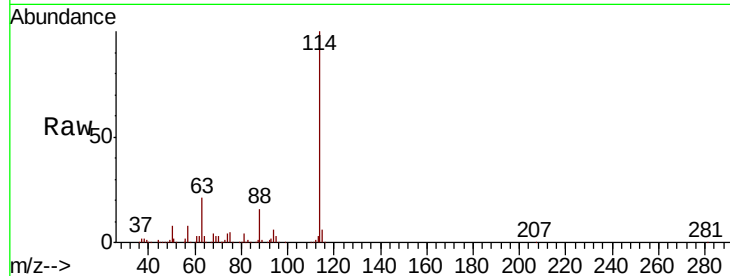
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059340.D
 Acq: 21 Nov 2019 16:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111919

Tot Ion	Ratio	Resp	Lower	Upper
114	100	599903		
63	20.8		0.0	42.2
88	16.5		0.0	32.2

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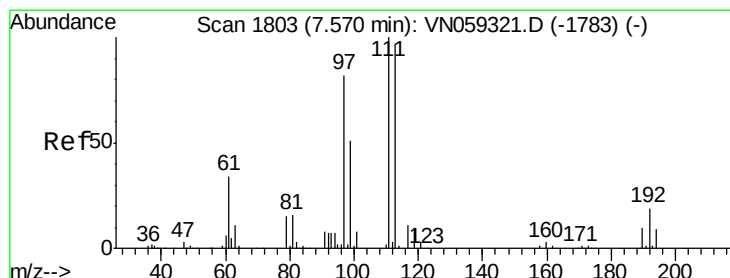
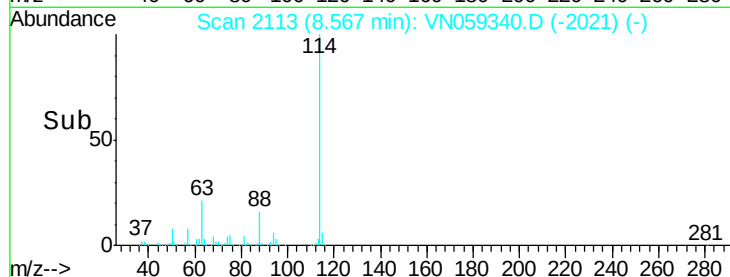
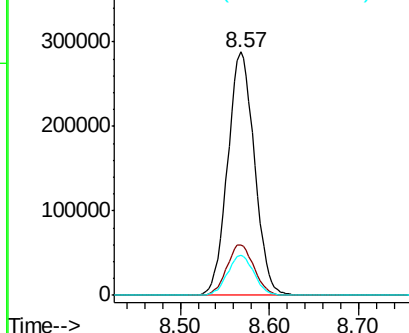


Abundance

Ion 113.90 (113.60 to 114.60): V

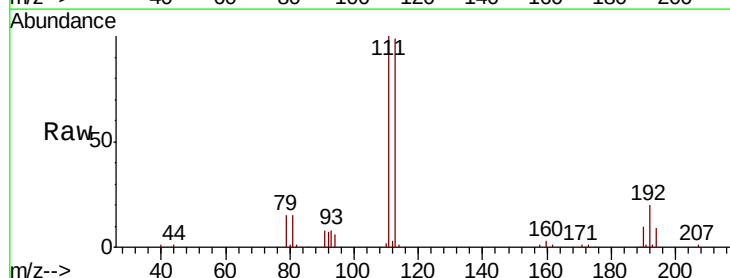
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 48.201 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059340.D
 Acq: 21 Nov 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	173480		
111	102.0		82.7	124.1
192	19.5		16.3	24.5

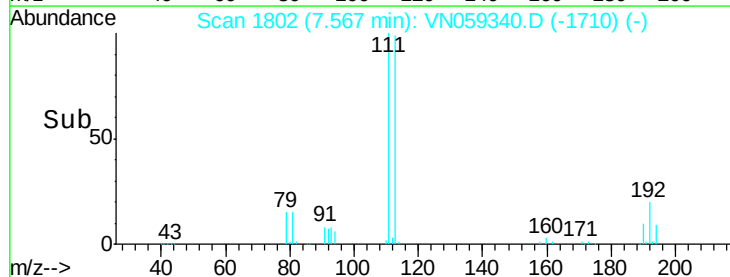
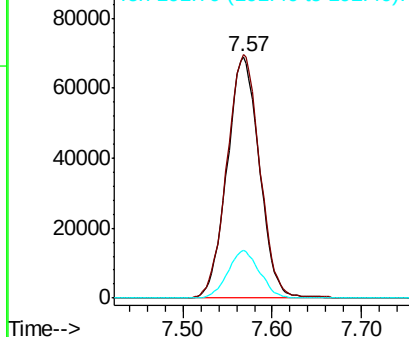


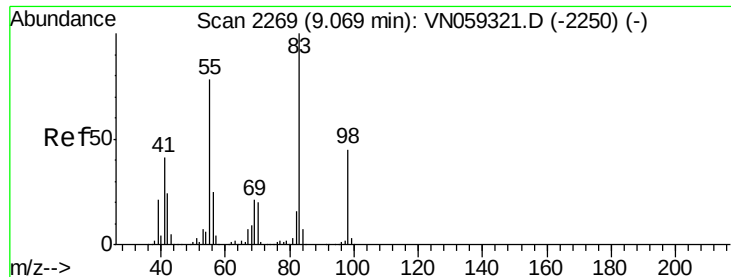
Abundance

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





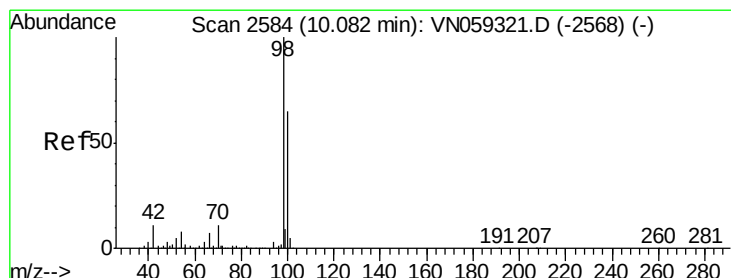
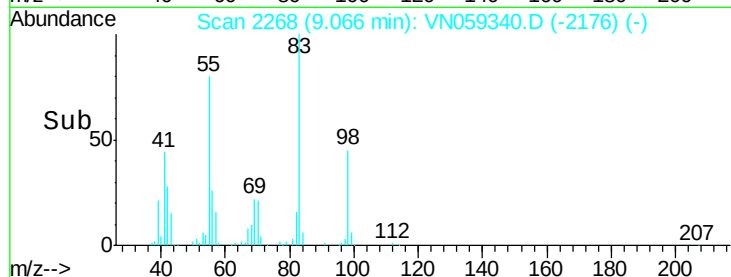
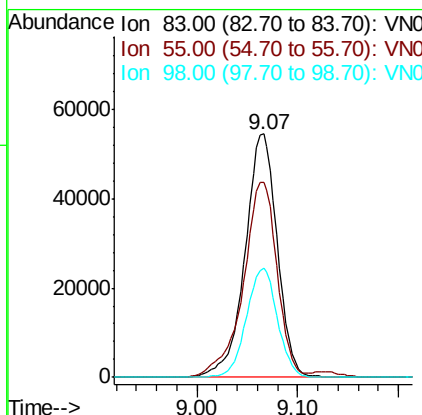
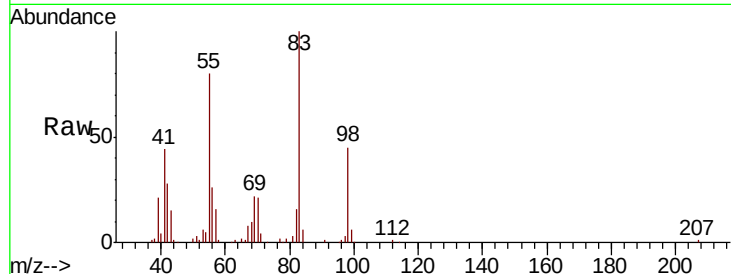
#39
Methylvlcyclohexane
Concen: 16.053 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
FD-111919

Tot Ion	Ratio	Resp	Lower	Upper
83	100	119886		
55	79.9	62.3	93.5	
98	45.0	36.0	54.0	

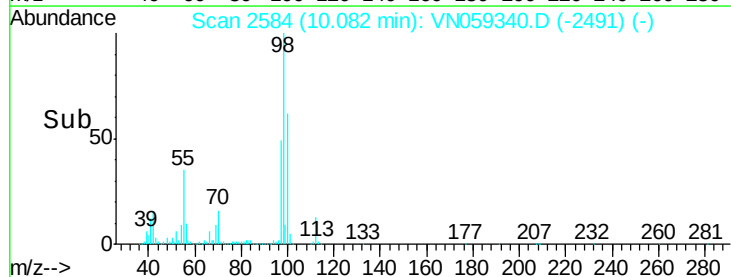
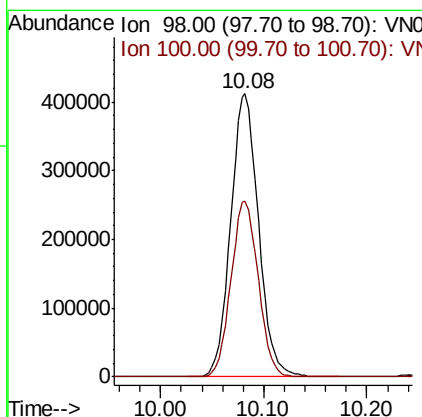
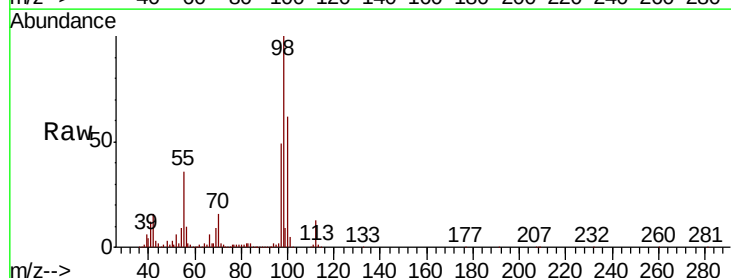
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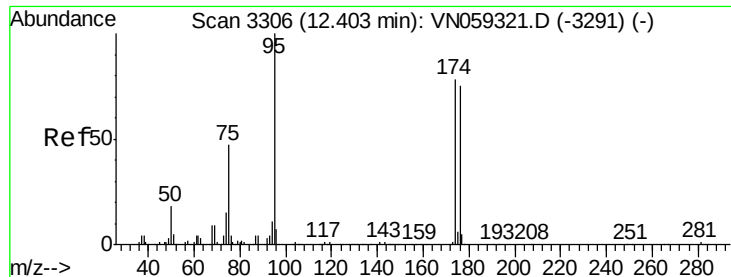
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#50
Toluene-d8
Concen: 54.059 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	773476		
100	61.2	51.7	77.5	





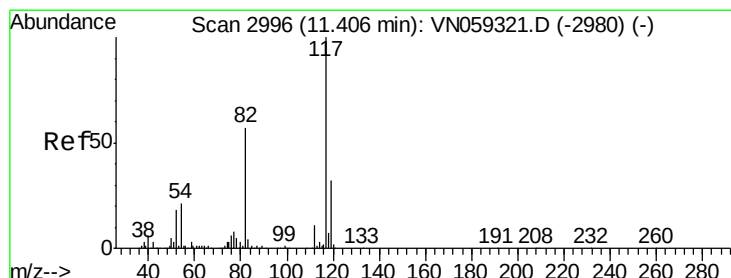
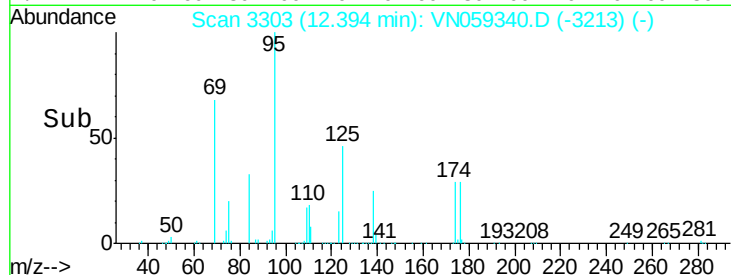
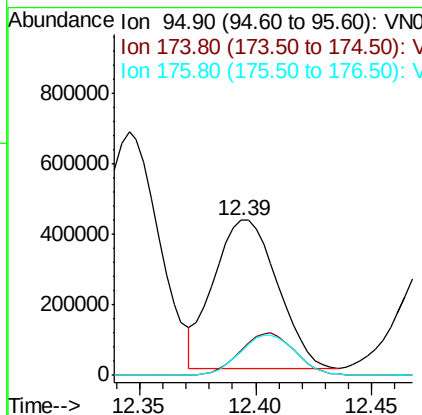
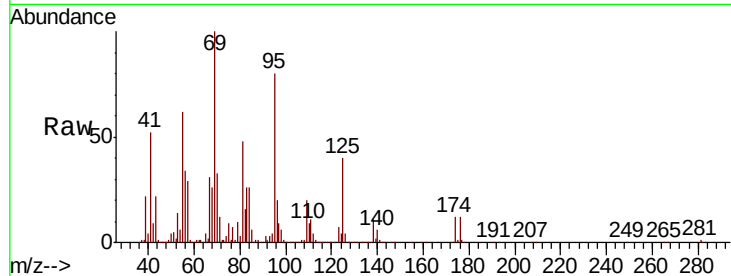
#62
4-Bromofluorobenzene
Concen: 159.751 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.01 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Instrument :
MSVOA_N
ClientSampled :
FD-111919

Tot Ion	Ratio	Resp	Lower	Upper
95	100	799209		
174	24.9	0.0	157.4	
176	24.3	0.0	151.2	

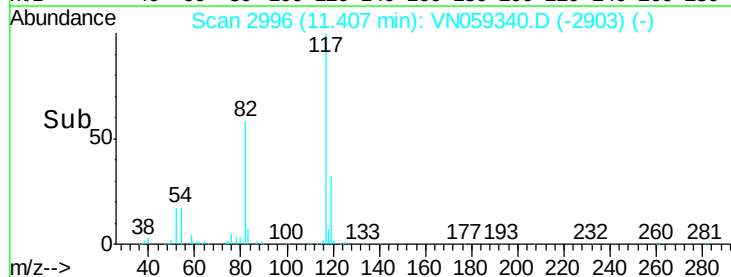
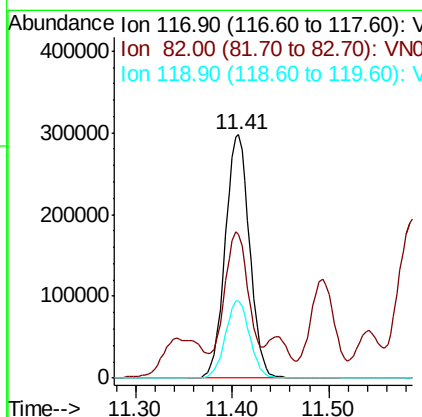
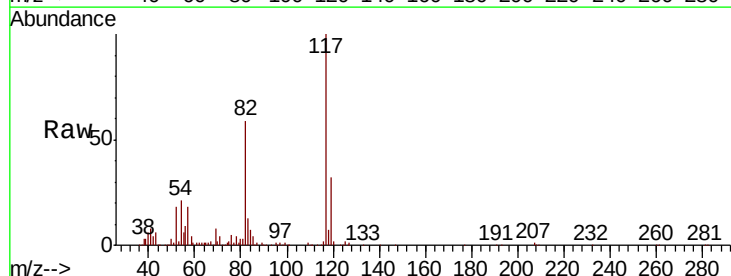
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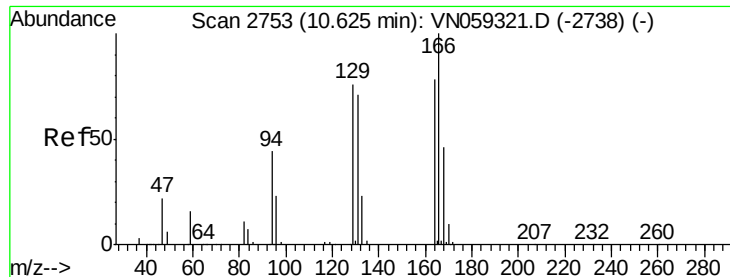
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	519014		
82	43.8	45.7	68.5#	
119	31.9	25.8	38.6	





#64

Tetrachloroethene

Concen: 1.001 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FD-111919

Tot Ion:164 Resp: 4020

Ion Ratio Lower Upper

164 100

166 128.0 102.9 154.3

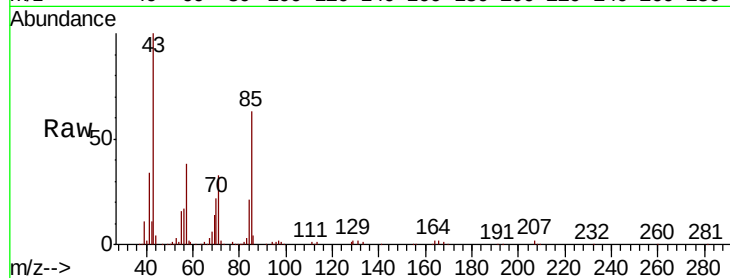
129 102.0 78.2 117.2

131 94.2 72.6 109.0

Manual Integrations
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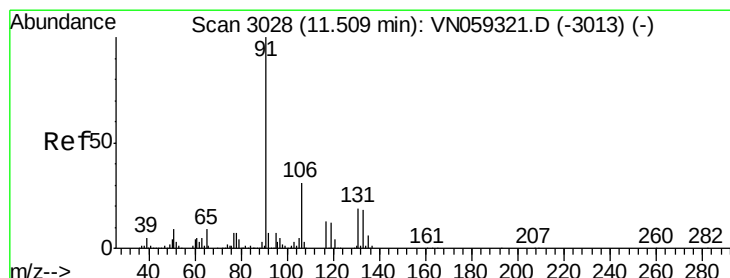
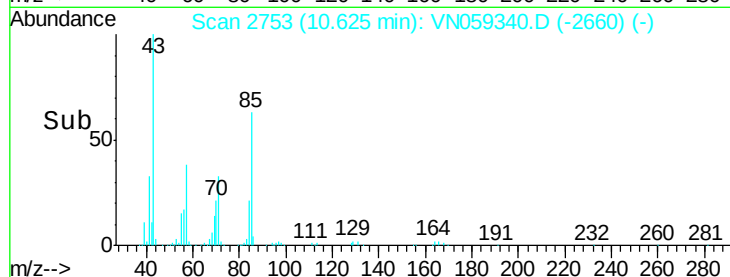
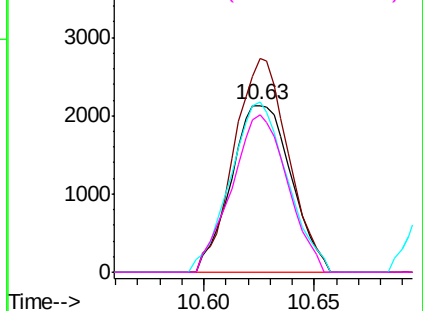


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 102.840 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059340.D

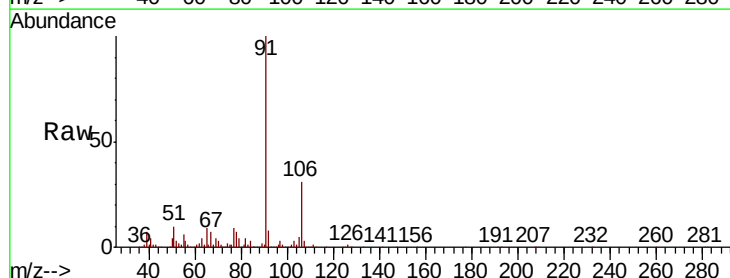
Acq: 21 Nov 2019 16:55

Tgt Ion: 91 Resp: 2049196

Ion Ratio Lower Upper

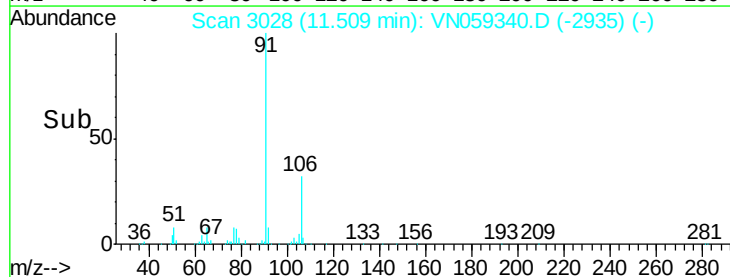
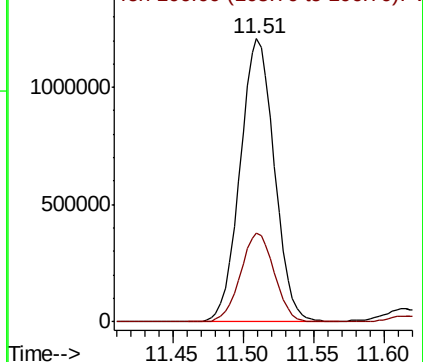
91 100

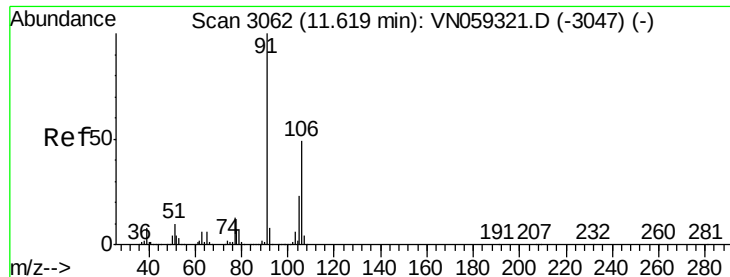
106 31.5 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





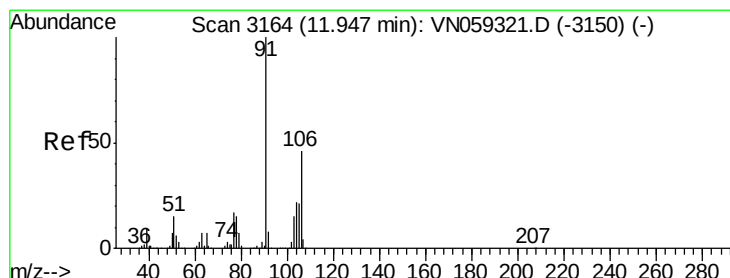
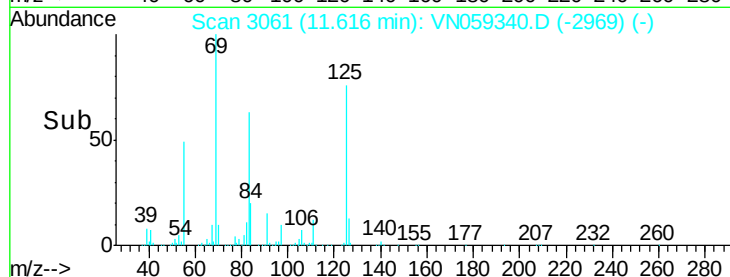
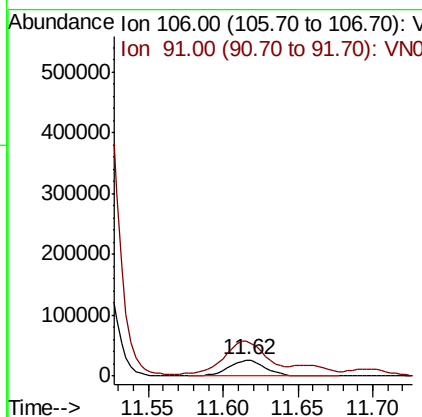
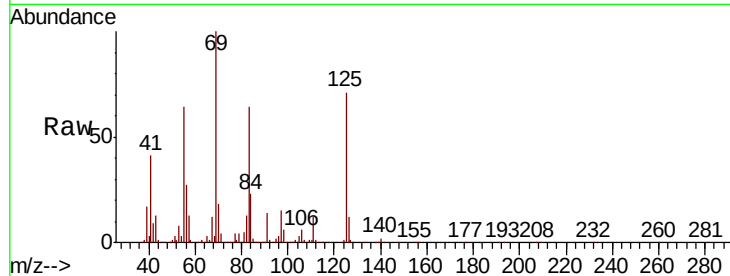
#68
m/p-Xylenes
Concen: 6.148 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Instrument :
MSVOA_N
ClientSampleId :
FD-111919

Tot Ion:106 Resp: 45522
Ion Ratio Lower Upper
106 100
91 231.9 163.2 244.8

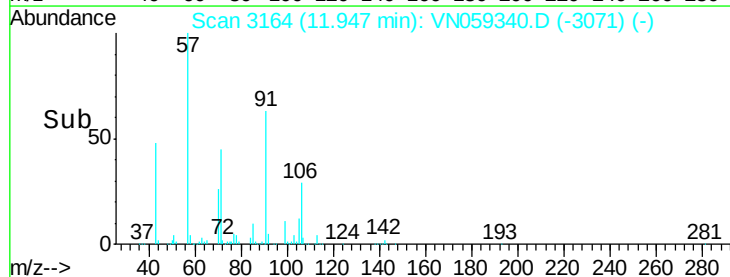
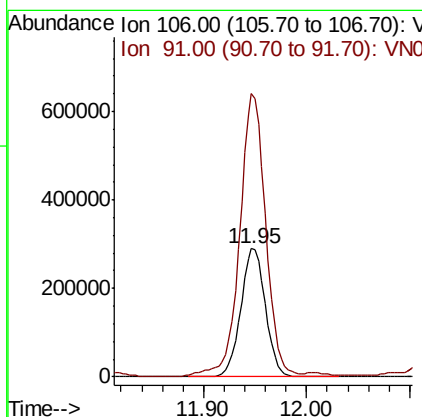
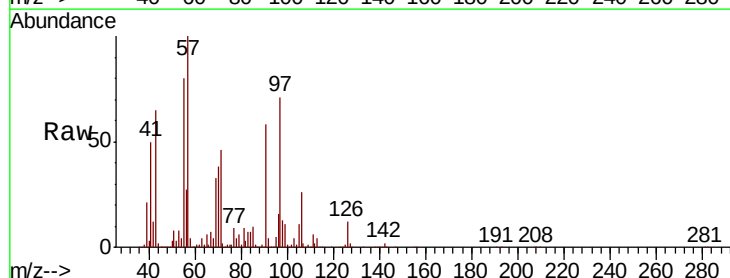
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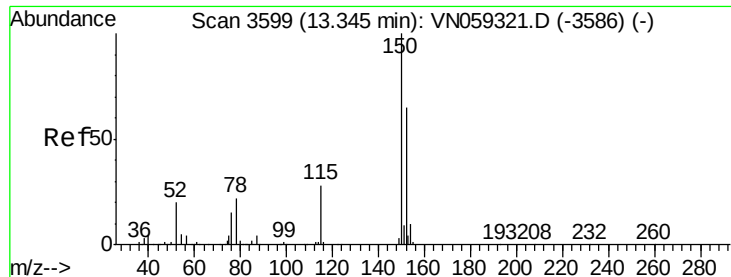
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#69
o-Xylene
Concen: 67.710 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059340.D
Acq: 21 Nov 2019 16:55

Tgt Ion:106 Resp: 479953
Ion Ratio Lower Upper
106 100
91 232.2 109.3 327.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FD-111919

Tot Ion:152 Resp: 394387
Ion Ratio Lower Upper

152 100

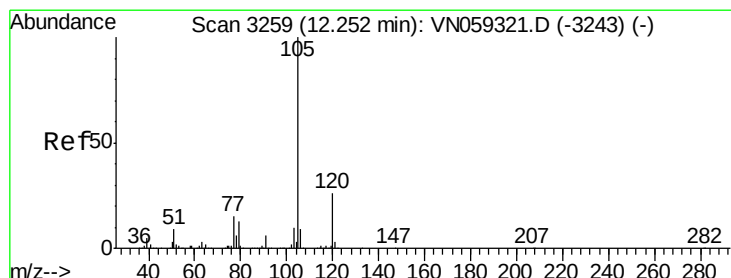
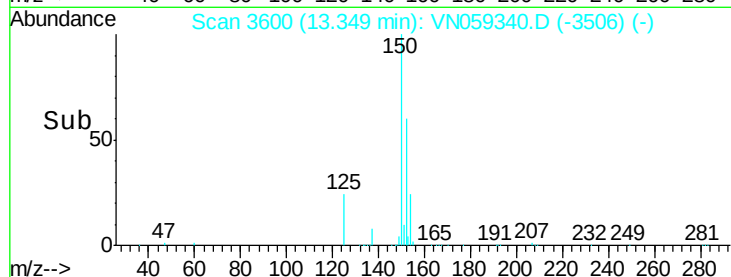
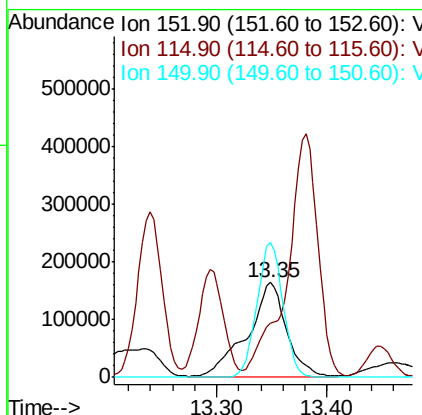
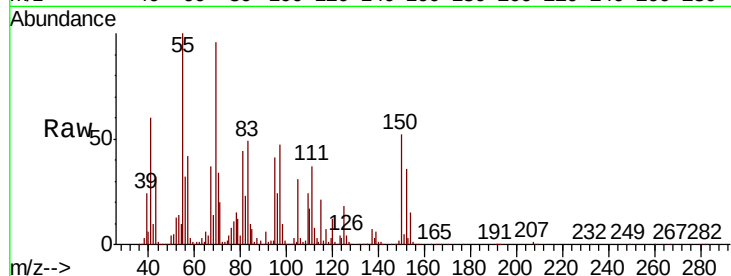
115 0.0 29.3 88.0#

150 97.4 0.0 346.0

Manual Integrations
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11/22/2019 3:12:37 PM



#73

Isopropylbenzene

Concen: 75.378 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

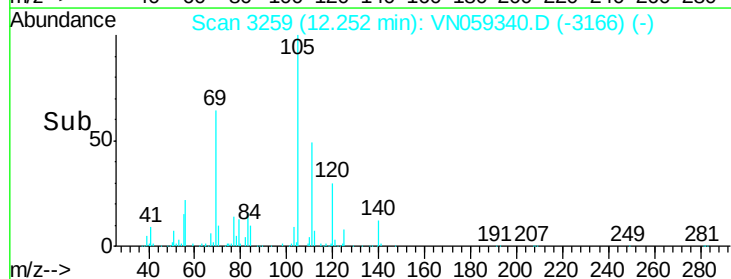
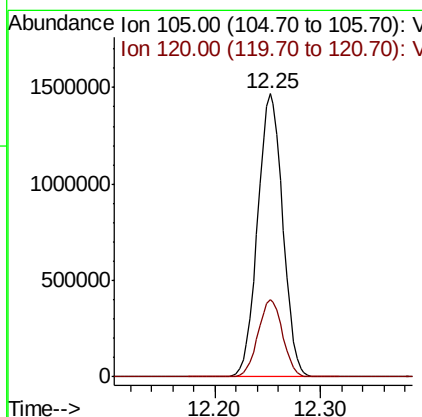
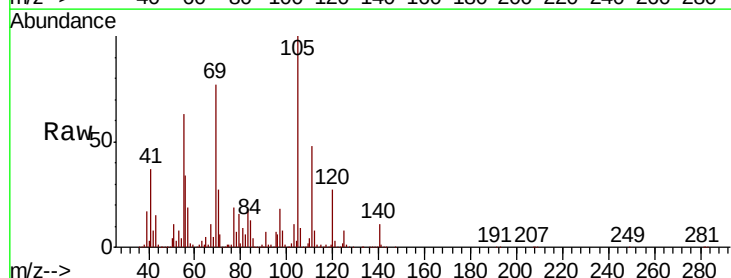
Lab File: VN059340.D

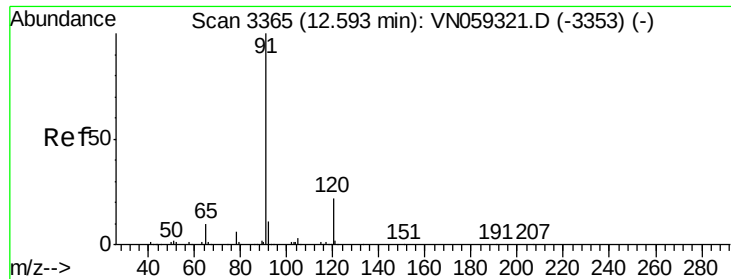
Acq: 21 Nov 2019 16:55

Tgt Ion:105 Resp: 2435271
Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3





#78

n-propylbenzene

Concen: 148.242 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FD-111919

Tot Ion: 91 Resp: 5425090

Ion Ratio Lower Upper

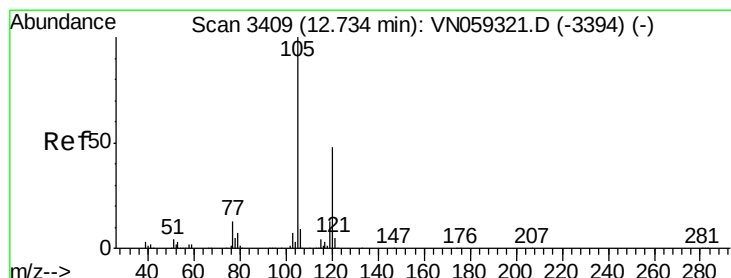
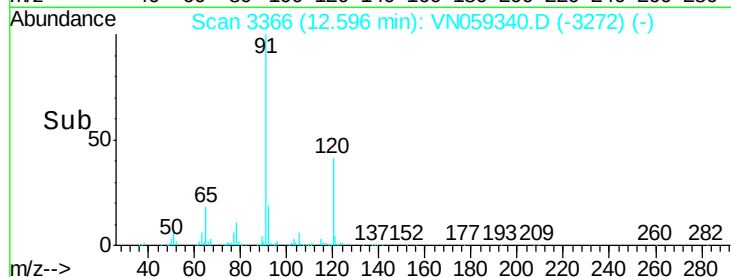
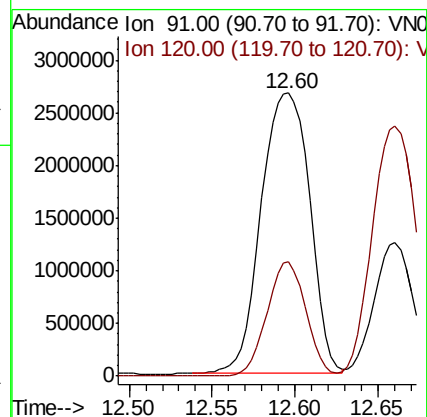
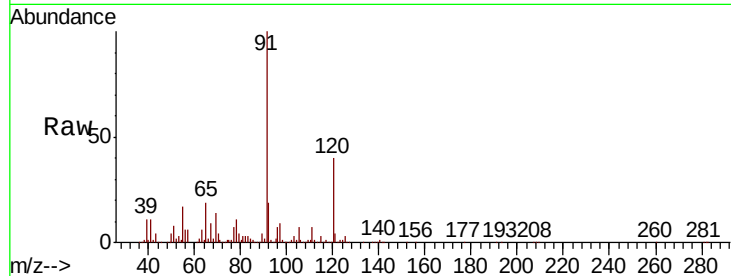
91 100

120 32.8 11.3 33.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 251.803 ug/l m

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059340.D

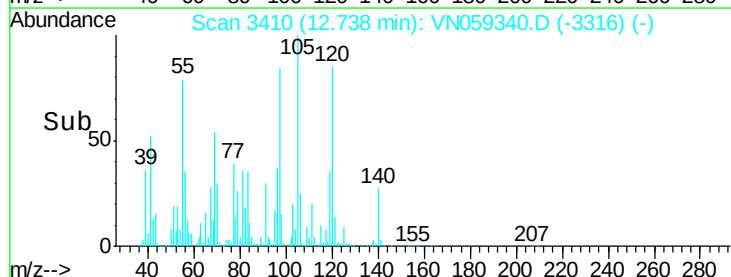
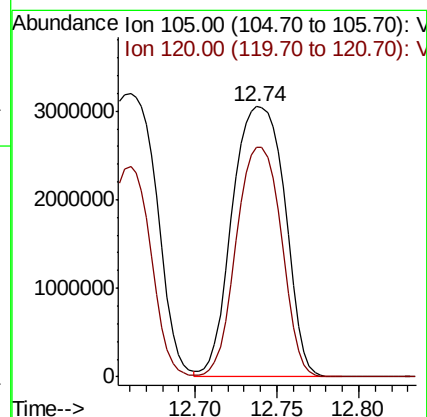
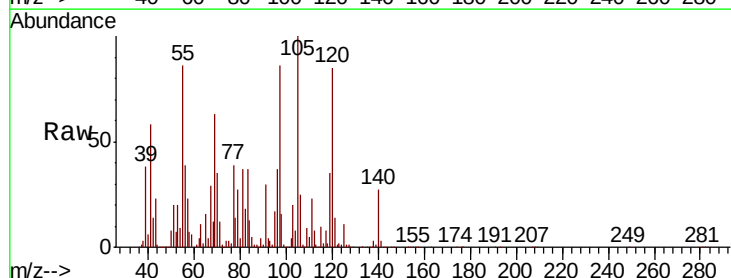
Acq: 21 Nov 2019 16:55

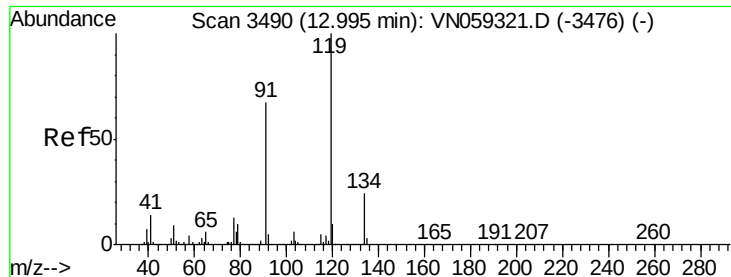
Tgt Ion: 105 Resp: 6838670

Ion Ratio Lower Upper

105 100

120 63.7 24.1 72.4





#83

tert-Butylbenzene

Concen: 23.229 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Instrument :

MSVOA_N

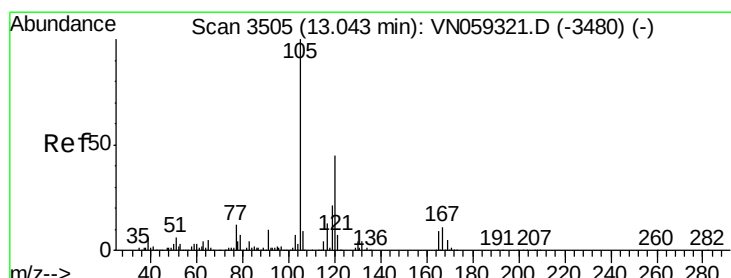
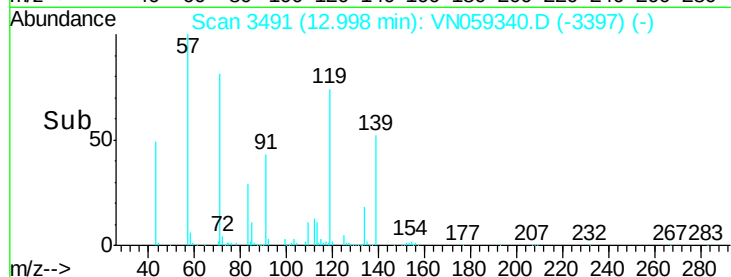
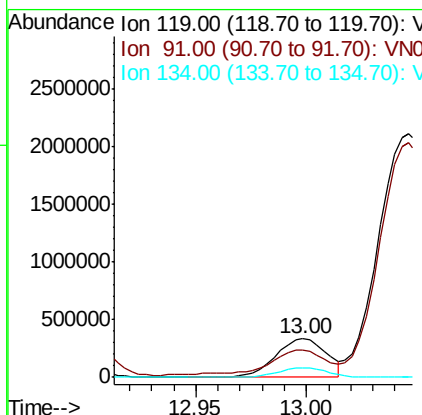
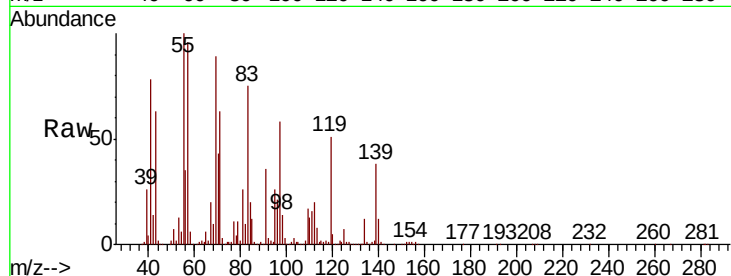
ClientSampleId :

FD-111919

Tot Ion:	119	Resp:	532814
Ion Ratio	Lower	Upper	
119	100		
91	72.1	32.8	98.4
134	24.4	13.0	38.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 360.721 ug/l m

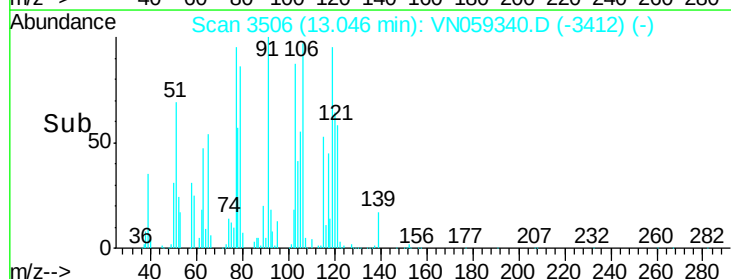
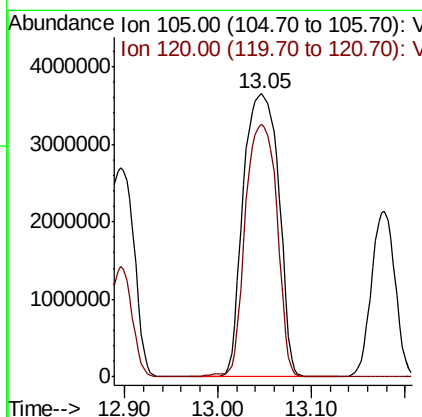
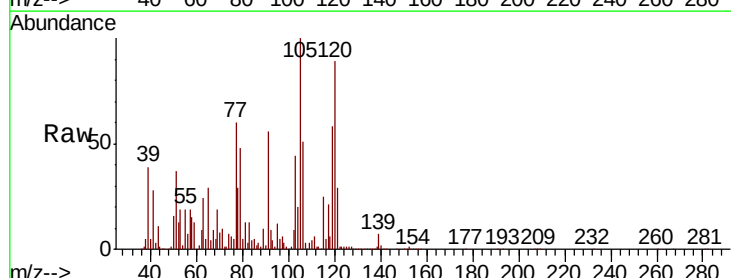
RT: 13.05 min Scan# 3506

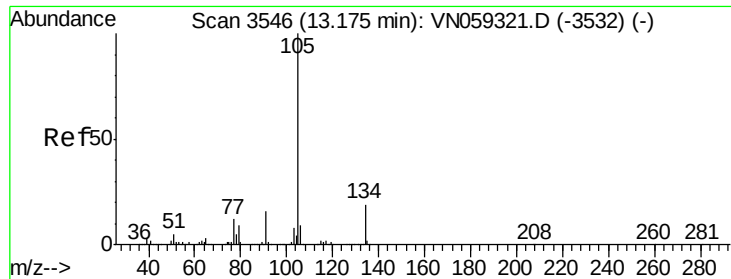
Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Tgt Ion:	105	Resp:	9596689
Ion Ratio	Lower	Upper	
105	100		
120	24.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 121.980 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Instrument :

MSVOA_N

ClientSampled :

FD-111919

Tot Ion:105 Resp: 3760562

Ion Ratio Lower Upper

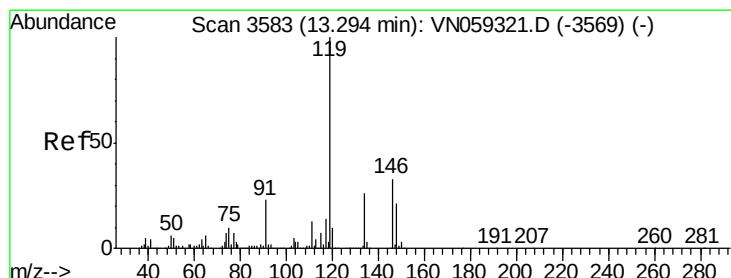
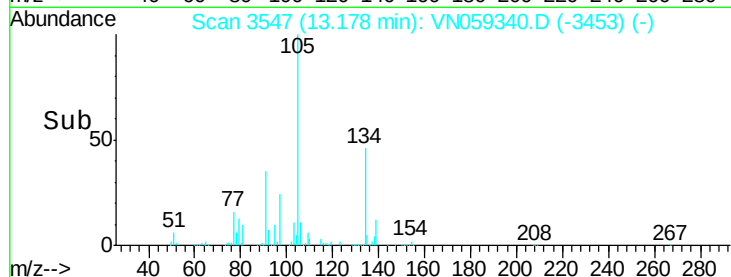
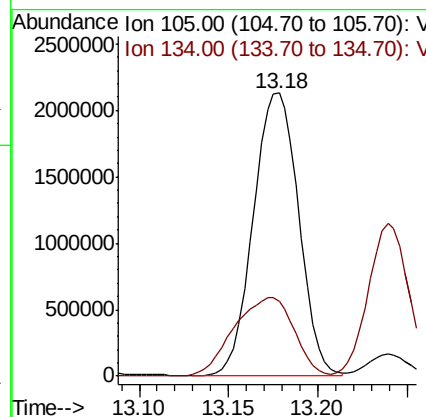
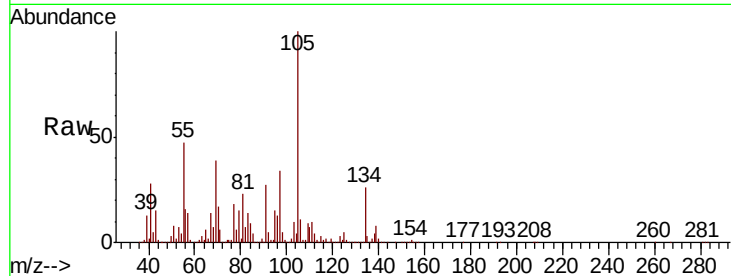
105 100

134 36.9 9.8 29.3#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 134.632 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

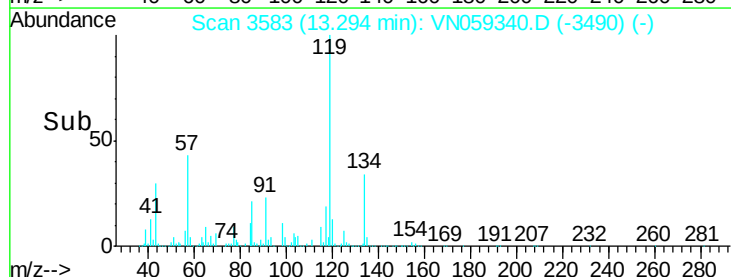
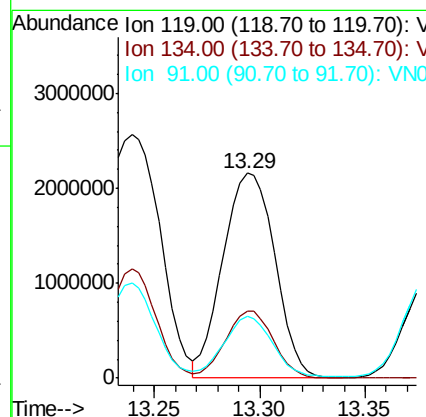
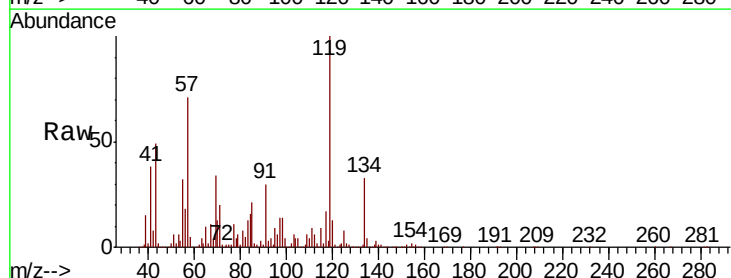
Tgt Ion:119 Resp: 3693437

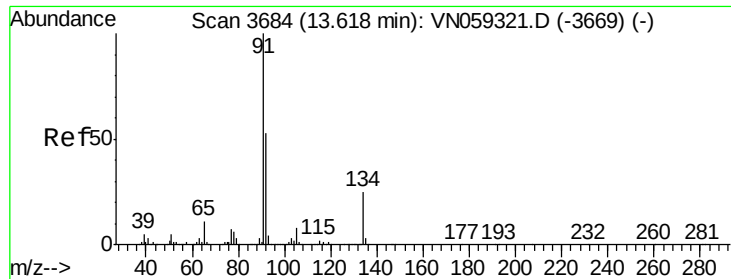
Ion Ratio Lower Upper

119 100

134 30.0 13.0 38.9

91 27.0 11.6 34.7





#89

n-Butylbenzene

Concen: 130.459 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FD-111919

Tot Ion: 91 Resp: 3139579

Ion Ratio Lower Upper

91 100

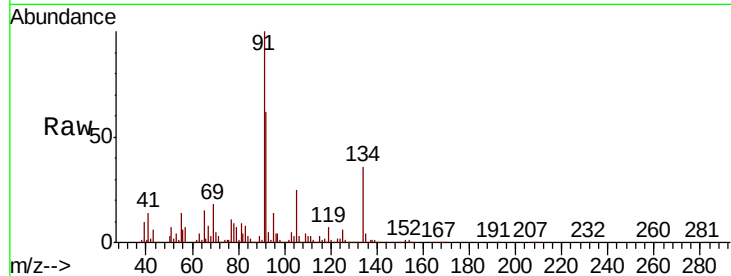
92 69.8 26.0 78.0

134 0.0 12.7 38.1#

Manual Integrations
APPROVED

MMDadoda

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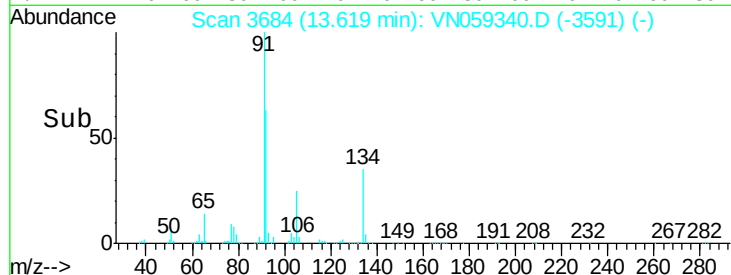


Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059321.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059321.D (-3669) (-)

Time-->

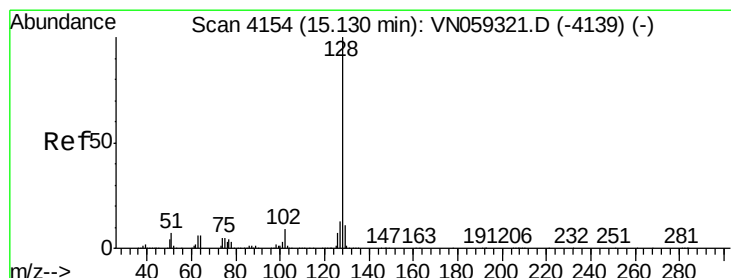


Abundance Ion 91.00 (90.70 to 91.70): VN059340.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN059340.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN059340.D (-3591) (-)

Time-->



#95

Naphthalene

Concen: 79.024 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059340.D

Acq: 21 Nov 2019 16:55

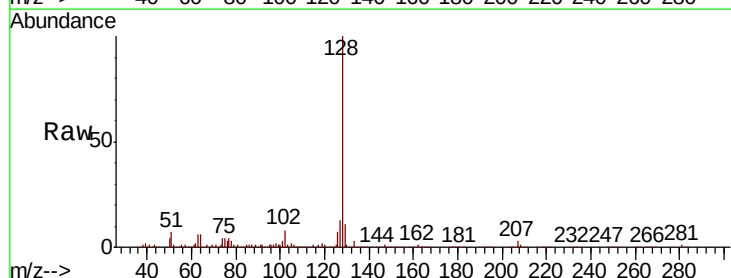
Tgt Ion:128 Resp: 1883138

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.6 13.0

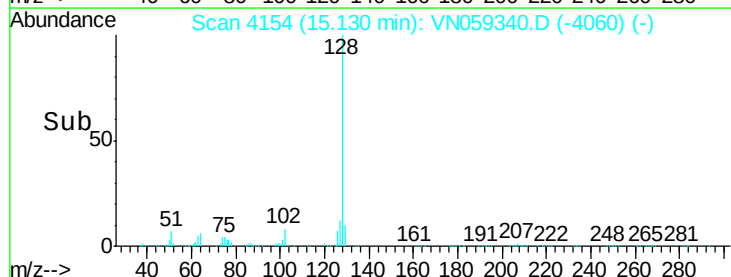


Abundance Ion 128.00 (127.70 to 128.70): VN059321.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN059321.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN059321.D (-4139) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VN059340.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN059340.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN059340.D (-4060) (-)

Time-->