

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058391.D
 Acq On : 26 Sep 2019 17:11
 Operator : JC/SP
 Sample : K5037-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30428

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:19:42 AM

Quant Time: Sep 27 05:21:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	533148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	874597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	392869	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.82%		
35) Dibromofluoromethane	7.57	113	258382	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.20%		
50) Toluene-d8	10.09	98	1178864	56.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.82%		
62) 4-Bromofluorobenzene	12.41	95	456914	59.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	118.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	125610	49.834	ug/l #	81
19) Methyl tert-butyl Ether	5.02	73	723211	44.488	ug/l #	89
22) Diisopropyl ether	5.94	45	152931	8.536	ug/l	92
25) 2-Butanone	6.83	43	31201	9.086	ug/l	95
31) Cyclohexane	7.63	56	775099	129.231	ug/l	97
37) Ethyl Acetate	6.92	43	135537	20.707	ug/l	99
39) Methylcyclohexane	9.07	83	1742172	285.352	ug/l	96
40) Benzene	8.02	78	9189697	477.034	ug/l #	11
52) Toluene	10.18	92	14760517	1222.598	ug/l #	51
67) Ethyl Benzene	11.52	91	9803479	407.553	ug/l #	1
68) m/p-Xylenes	11.63	106	11824630	1305.191	ug/l #	40
69) o-Xylene	11.96	106	9063016	1017.373	ug/l	34
73) Isopropylbenzene	12.26	105	3488917	139.873	ug/l	92
78) n-propylbenzene	12.60	91	5702562	201.188	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.74	105	5735016m	271.897	ug/l	
84) 1,2,4-Trimethylbenzene	13.05	105	8691771m	414.081	ug/l	
85) sec-Butylbenzene	13.18	105	370652	15.069	ug/l #	65
86) p-Isopropyltoluene	13.30	119	238927m	10.926	ug/l	
89) n-Butylbenzene	13.62	91	552282	26.639	ug/l #	68
95) Naphthalene	15.13	128	6134479	322.280	ug/l #	63

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

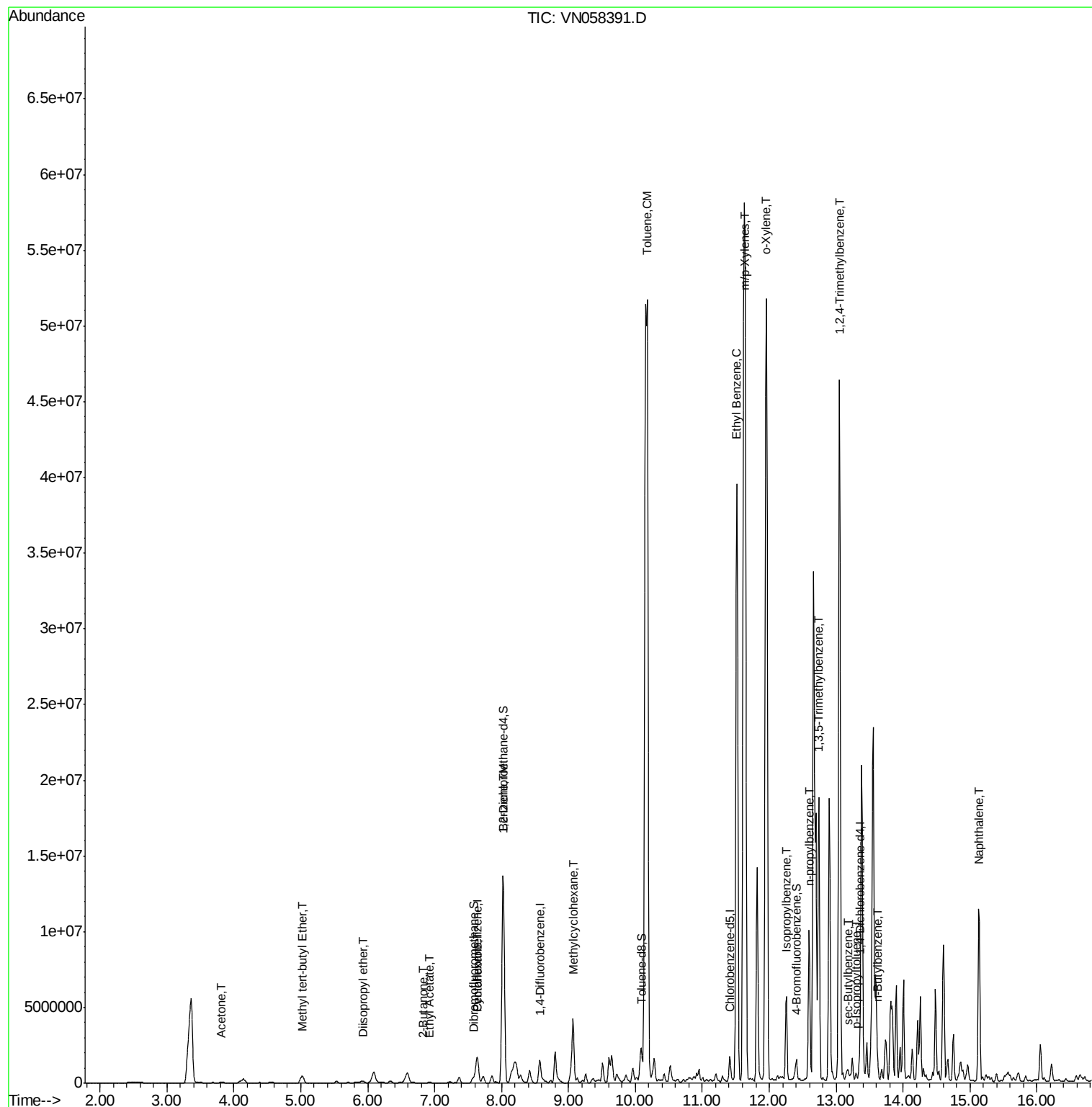
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
Data File : VN058391.D
Acq On : 26 Sep 2019 17:11
Operator : JC/SP
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Quant Time: Sep 27 05:21:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

30428

Tot Ion:168 Resp: 533148

Ion Ratio Lower Upper

168 100

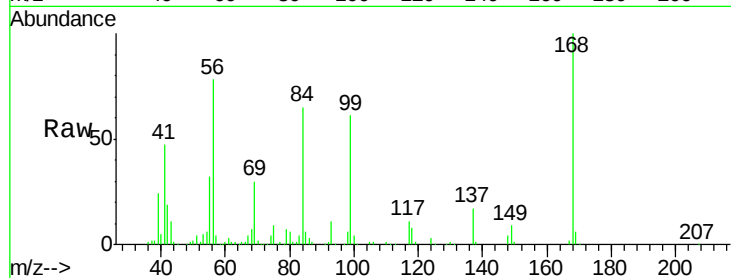
99 60.9 47.4 71.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

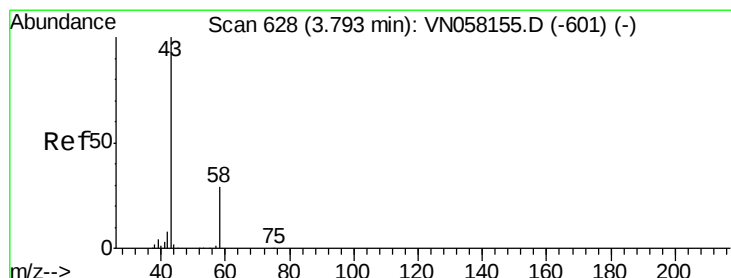
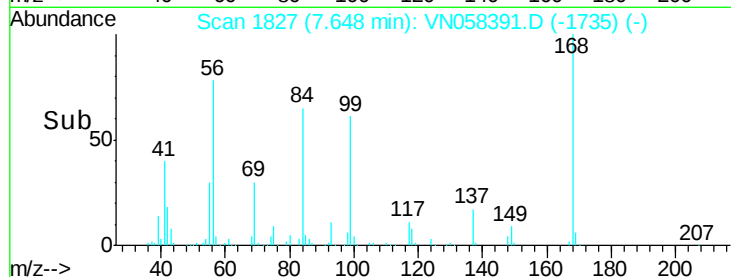
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 49.834 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN058391.D

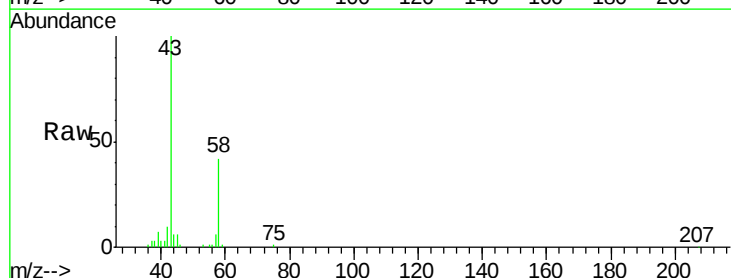
Acq: 26 Sep 2019 17:11

Tgt Ion: 43 Resp: 125610

Ion Ratio Lower Upper

43 100

58 39.5 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

40000

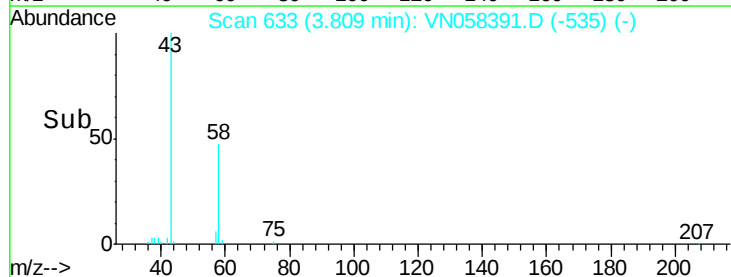
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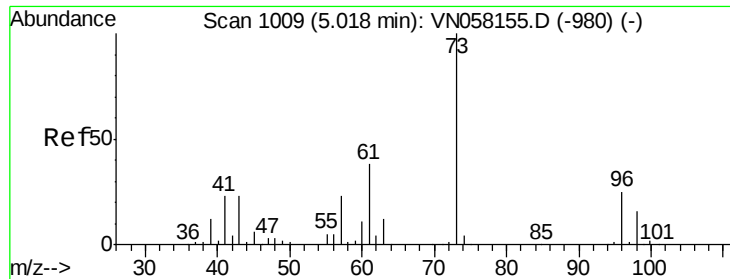
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10000

0

Time--> 3.70 3.80 3.90 4.00





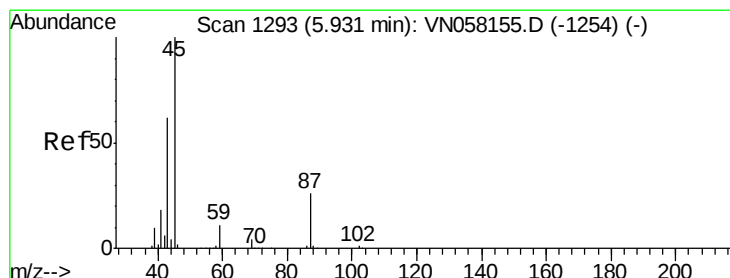
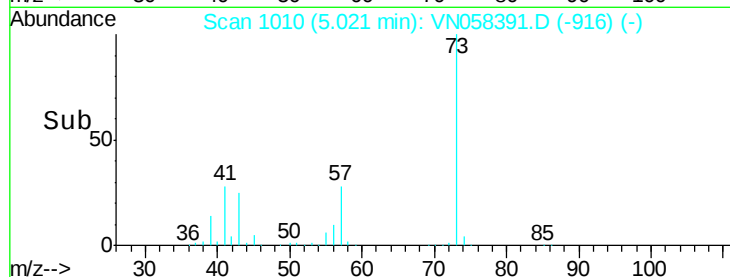
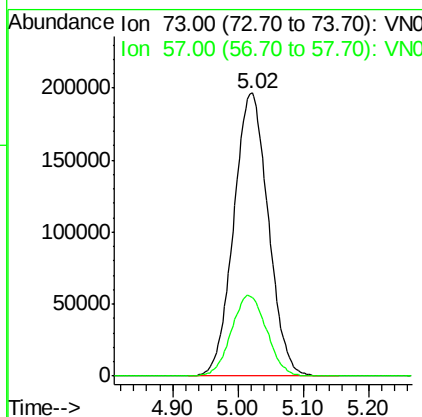
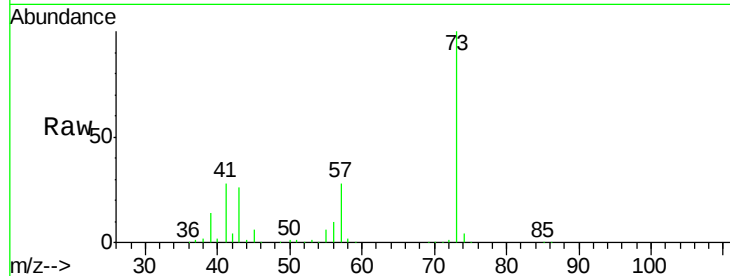
#19
Methvl tert-butvl Ether
Concen: 44.488 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
30428

Tot Ion: 73 Resp: 723211
Ion Ratio Lower Upper
73 100
57 28.0 18.1 27.1#

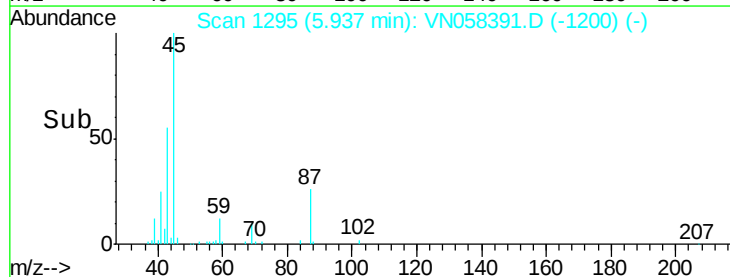
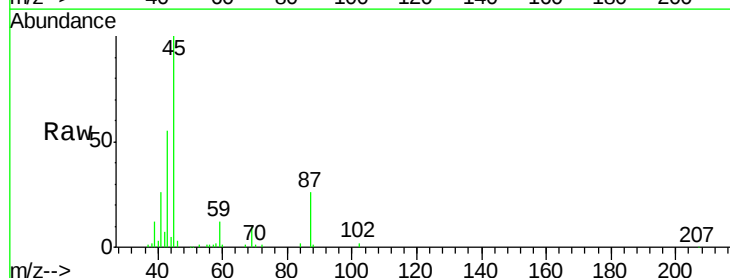
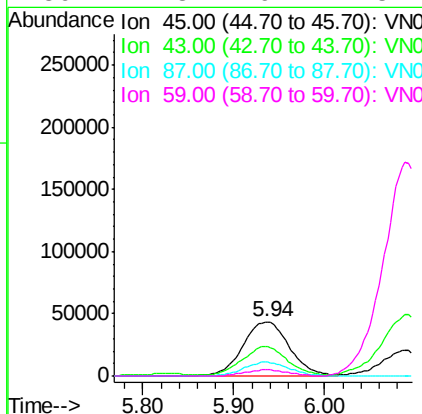
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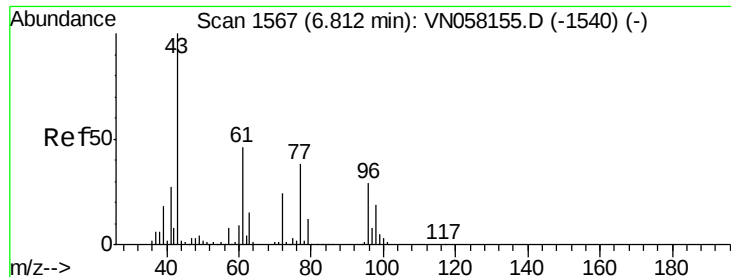
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#22
Diisopropyl ether
Concen: 8.536 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Tgt Ion: 45 Resp: 152931
Ion Ratio Lower Upper
45 100
43 52.4 49.7 74.5
87 25.9 20.7 31.1
59 11.8 9.1 13.7





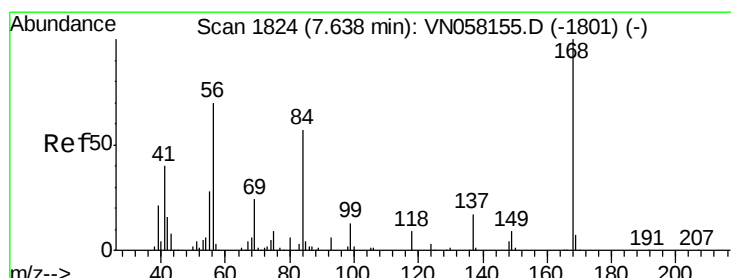
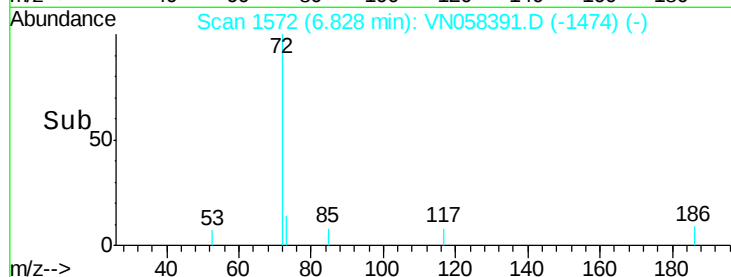
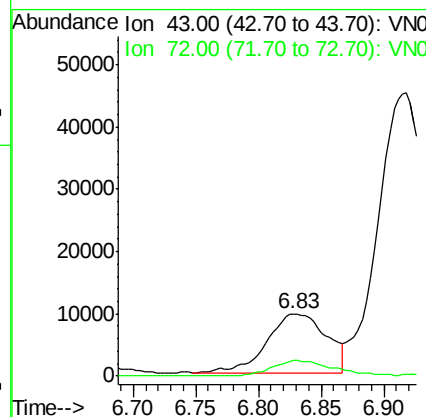
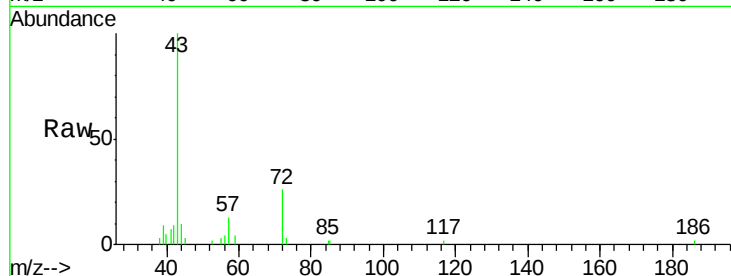
#25
2-Butanone
Concen: 9.086 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
30428

Tot Ion: 43 Resp: 31201
Ion Ratio Lower Upper
43 100
72 27.1 19.5 29.3

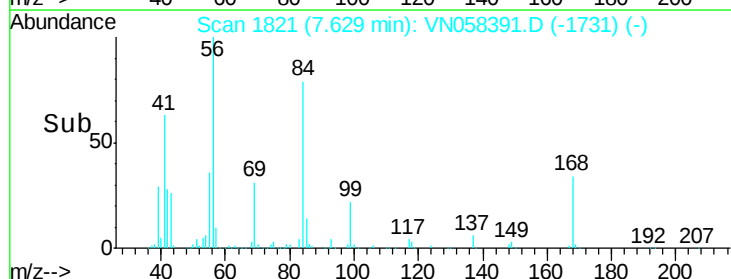
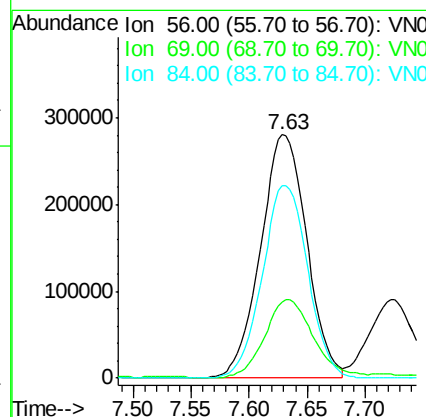
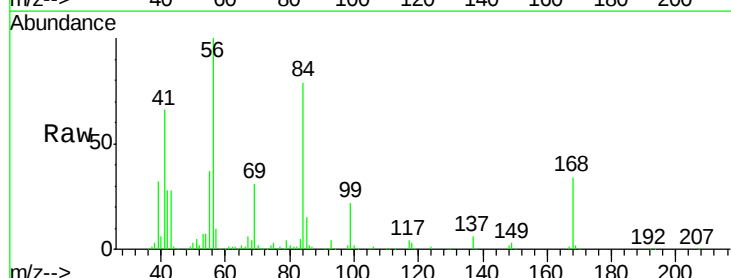
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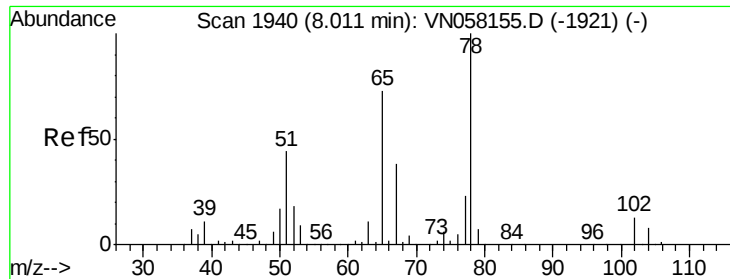
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#31
Cyclohexane
Concen: 129.231 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Tgt Ion: 56 Resp: 775099
Ion Ratio Lower Upper
56 100
69 30.9 27.3 40.9
84 79.4 65.0 97.4





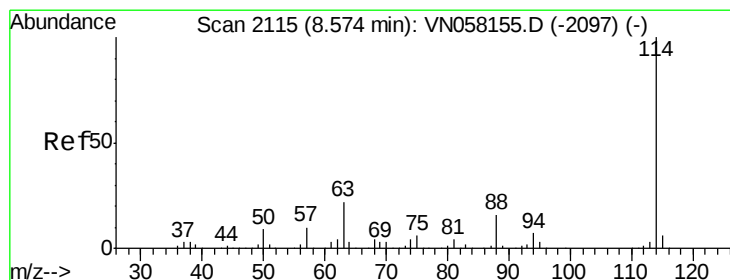
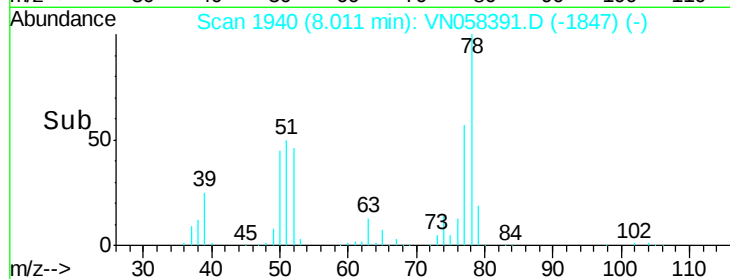
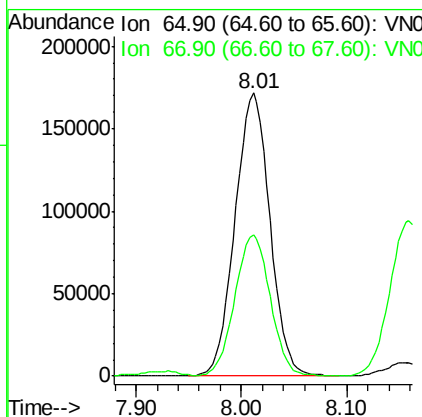
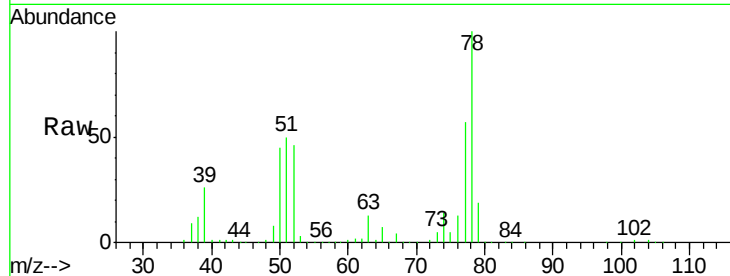
#33
 1,2-Dichloroethane-d4
 Concen: 52.907 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058391.D
 Acq: 26 Sep 2019 17:11

Instrument :
 MSVOA_N
 ClientSampled :
 30428

Tot Ion	Ratio	Resp	Lower	Upper
65	100	392869		
67	50.3	0.0	103.4	

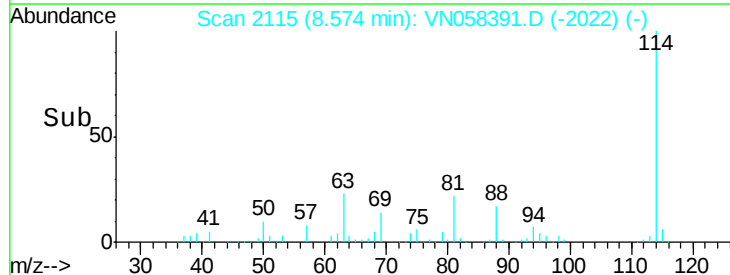
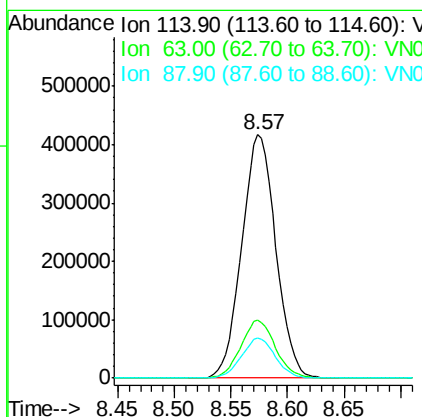
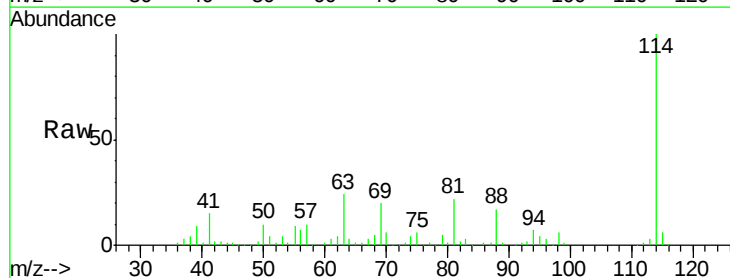
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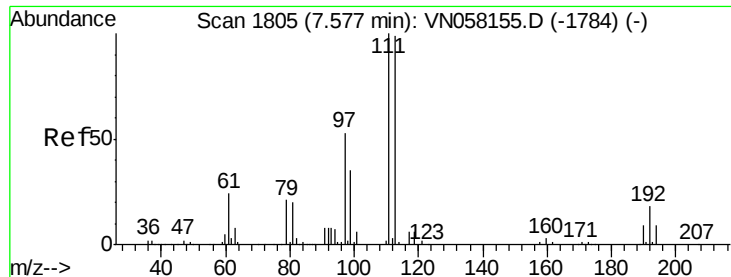
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058391.D
 Acq: 26 Sep 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	874597		
63	23.7	0.0	44.2	
88	16.6	0.0	31.6	





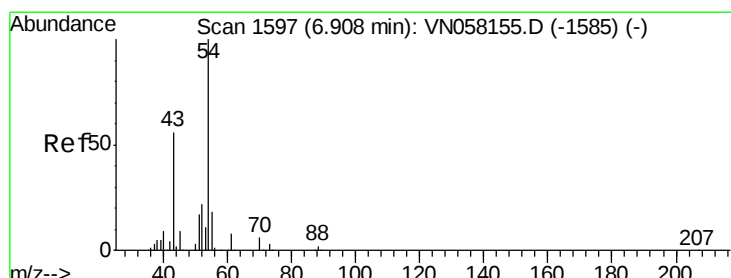
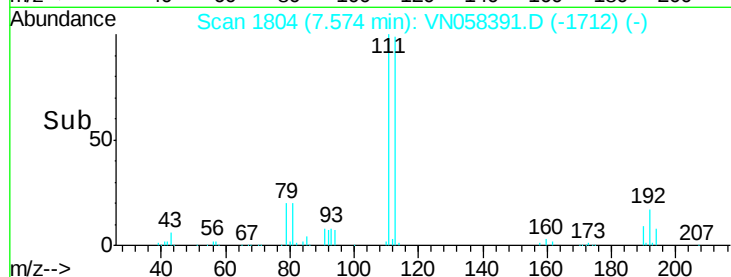
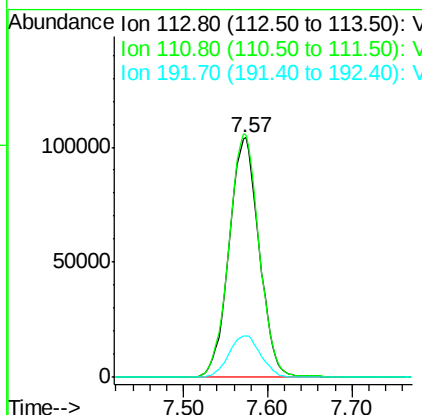
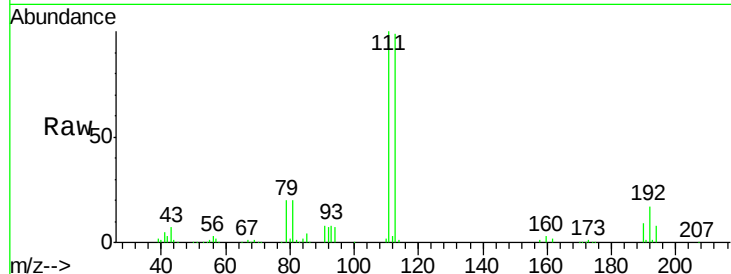
#35
 Dibromofluoromethane
 Concen: 48.597 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058391.D
 Acq: 26 Sep 2019 17:11

Instrument :
 MSVOA_N
 ClientSampled :
 30428

Tot Ion	Ratio	Resp	Lower	Upper
113	100	258382		
111	102.0	81.8	122.6	
192	18.5	14.5	21.7	

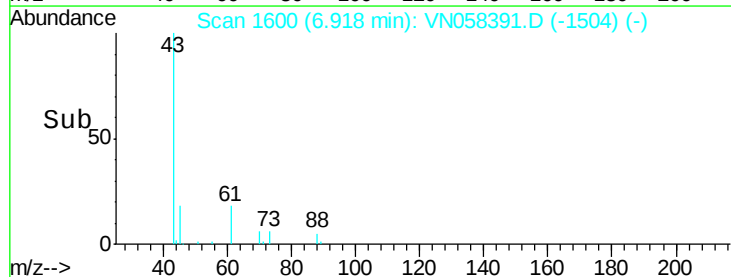
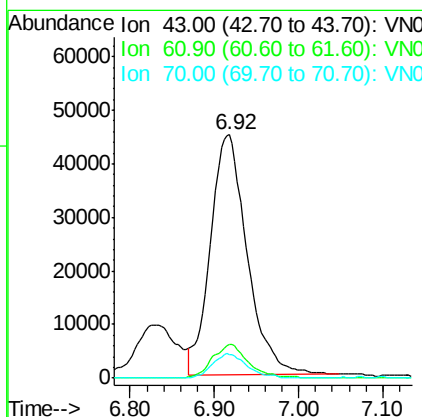
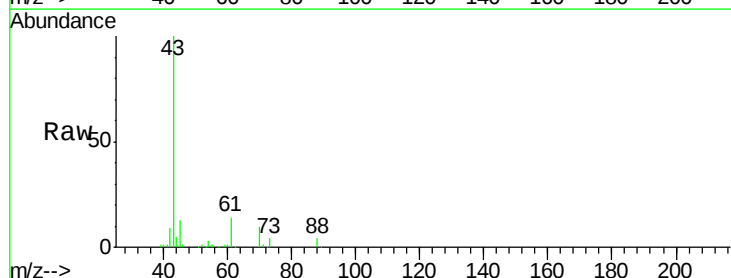
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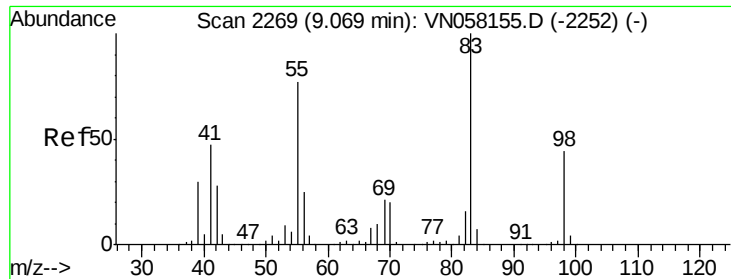
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#37
 Ethyl Acetate
 Concen: 20.707 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VN058391.D
 Acq: 26 Sep 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	135537		
61	13.5	10.7	16.1	
70	9.2	7.6	11.4	





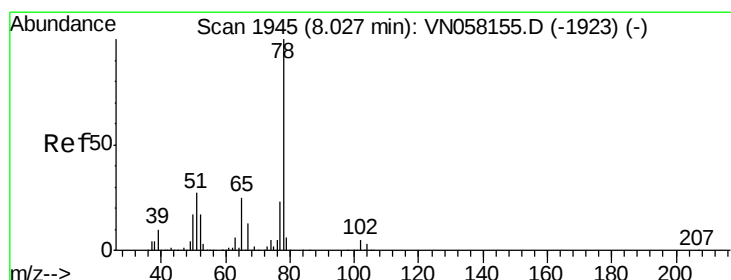
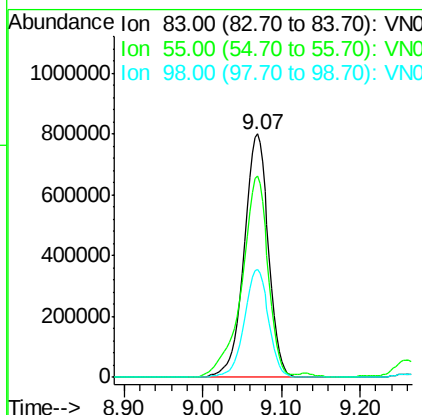
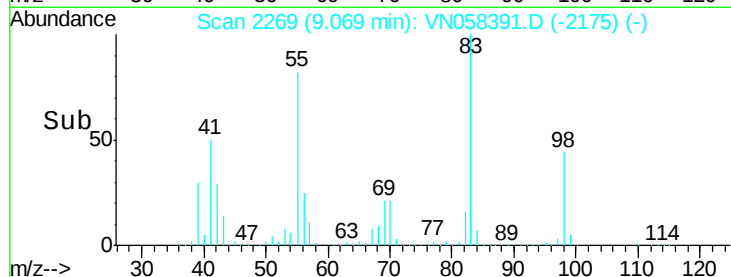
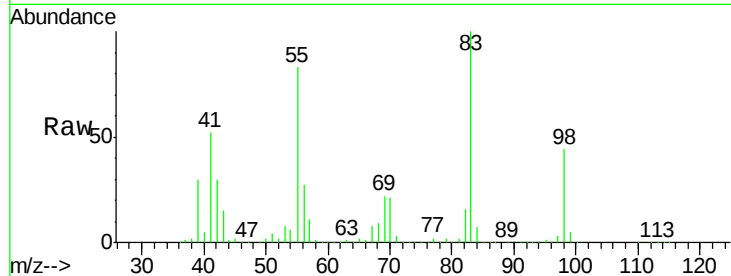
#39
Methvlcvclohexane
Concen: 285.352 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
30428

Tot Ion: 83 Resp: 1742172
Ion Ratio Lower Upper
83 100
55 82.6 61.9 92.9
98 44.3 35.4 53.2

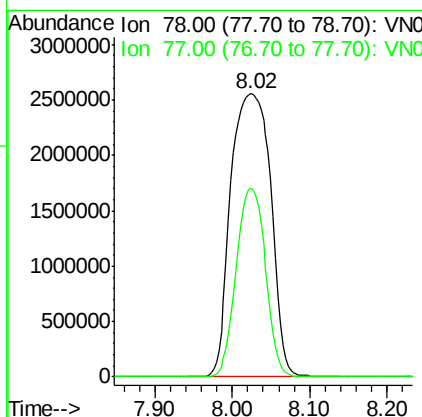
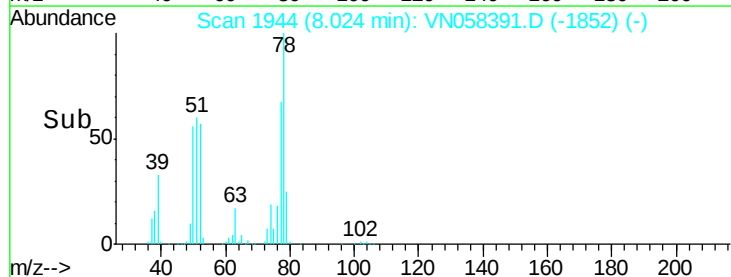
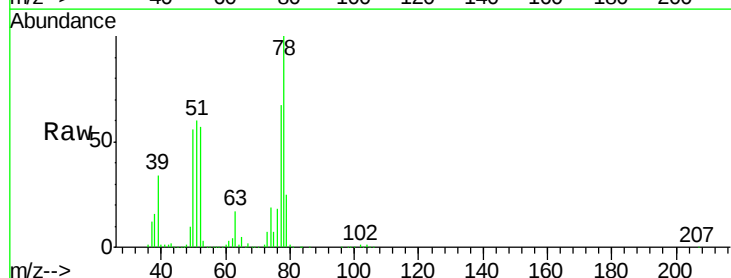
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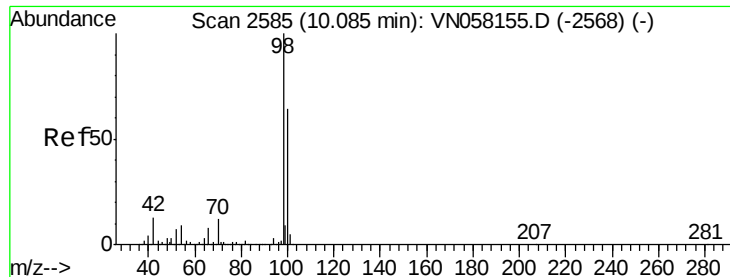
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#40
Benzene
Concen: 477.034 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Tgt Ion: 78 Resp: 9189697
Ion Ratio Lower Upper
78 100
77 66.8 18.8 28.2#





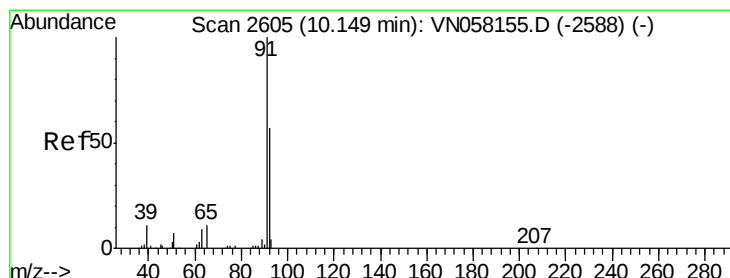
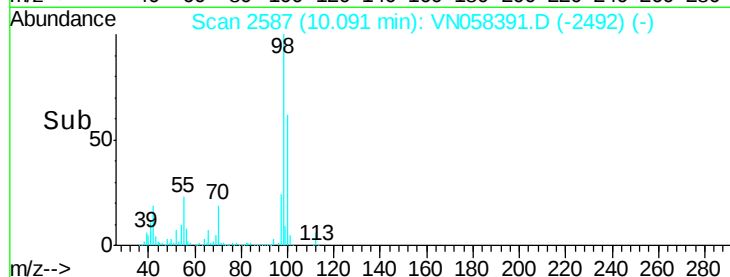
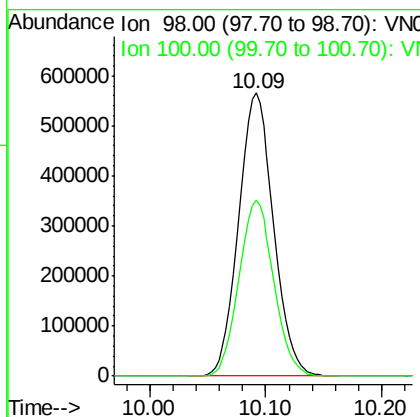
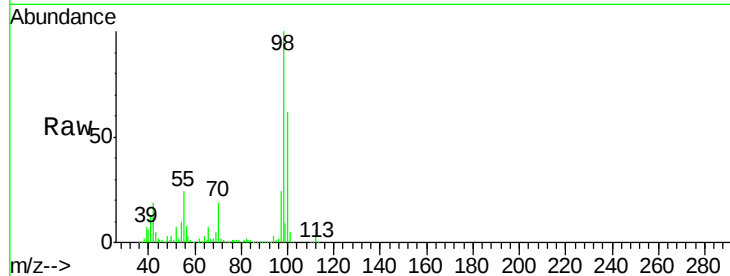
#50
Toluene-d8
Concen: 56.907 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.01 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
30428

Tot Ion: 98 Resp: 1178864
Ion Ratio Lower Upper
98 100
100 62.0 51.1 76.7

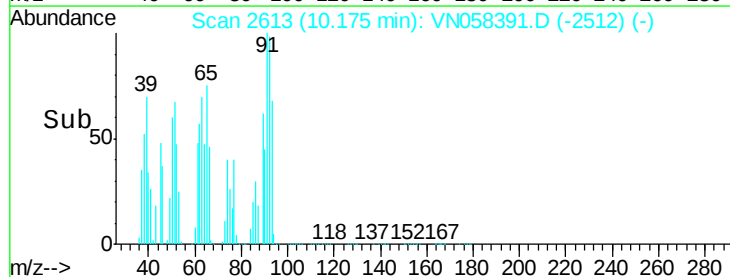
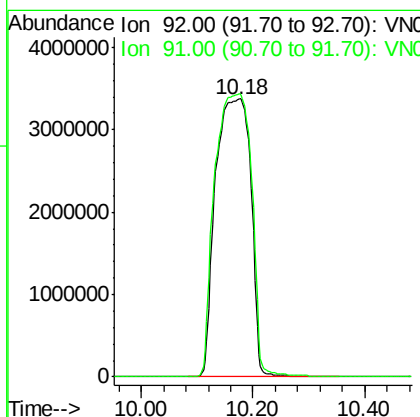
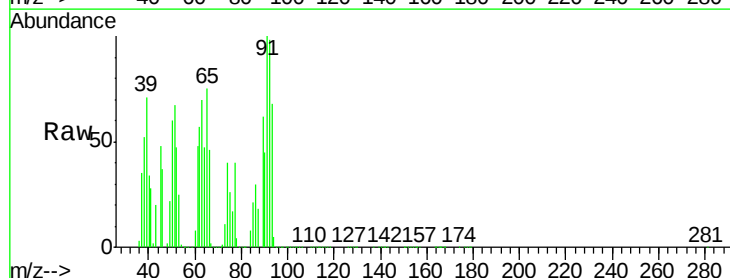
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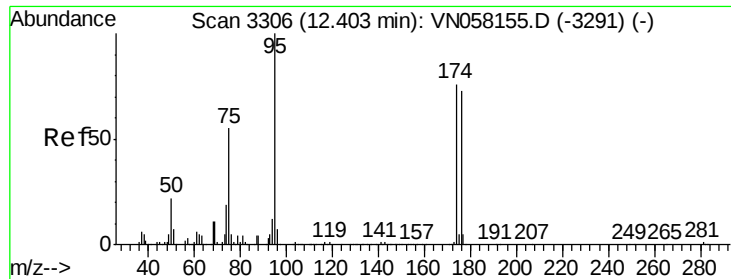
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#52
Toluene
Concen: 1222.598 ug/l
RT: 10.18 min Scan# 2613
Delta R.T. 0.03 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Tgt Ion: 92 Resp: 14760517
Ion Ratio Lower Upper
92 100
91 106.4 140.2 210.2#





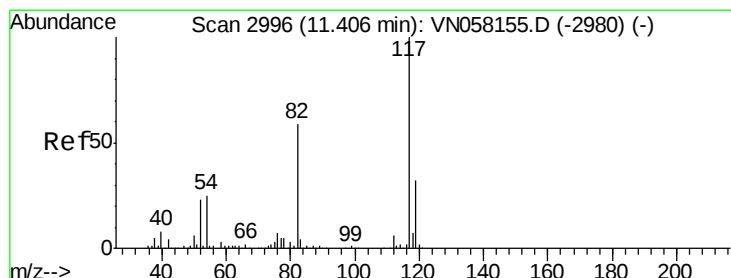
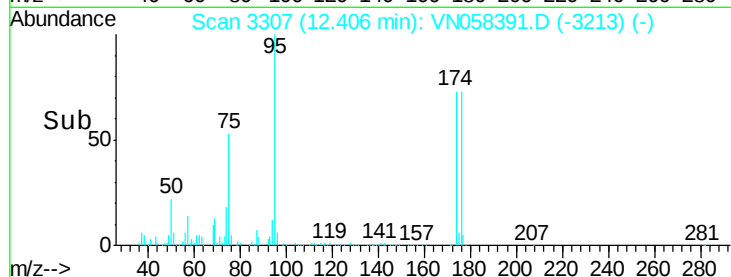
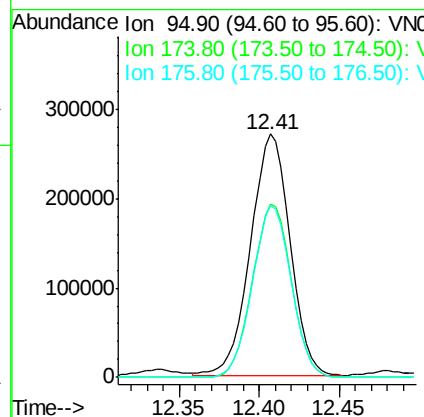
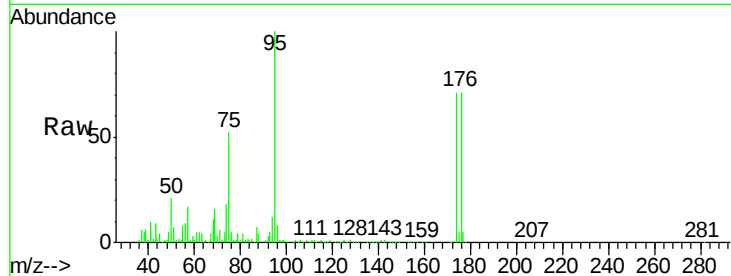
#62
 4-Bromofluorobenzene
 Concen: 59.378 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058391.D
 Acq: 26 Sep 2019 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 30428

Tot Ion	Ratio	Resp	Lower	Upper
95	100	456914		
174	70.7	0.0	152.2	
176	69.6	0.0	148.0	

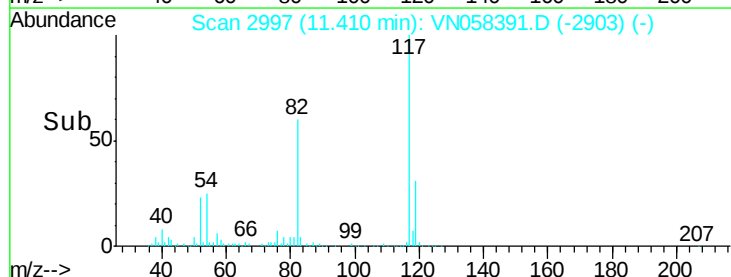
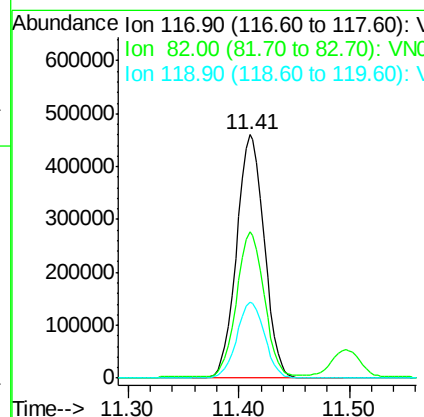
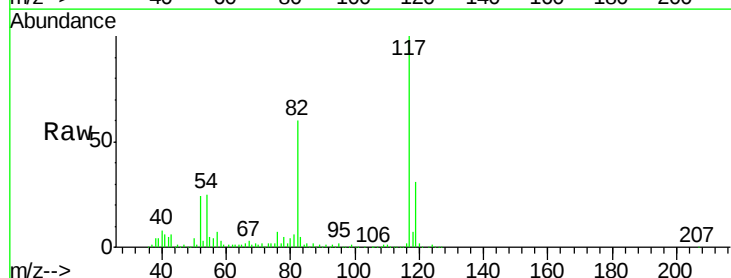
Manual Integrations
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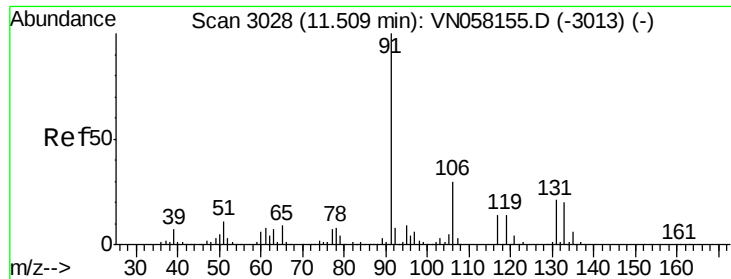
MMDadoda
 9/27/2019 11:19:42 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN058391.D
 Acq: 26 Sep 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	798120		
82	59.4	46.9	70.3	
119	31.2	25.3	37.9	





#67

Ethyl Benzene

Concen: 407.553 ug/l

RT: 11.52 min Scan# 3030

Delta R.T. 0.01 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

Instrument :

MSVOA_N

ClientSampled :
30428

Tot Ion: 91 Resp: 9803479

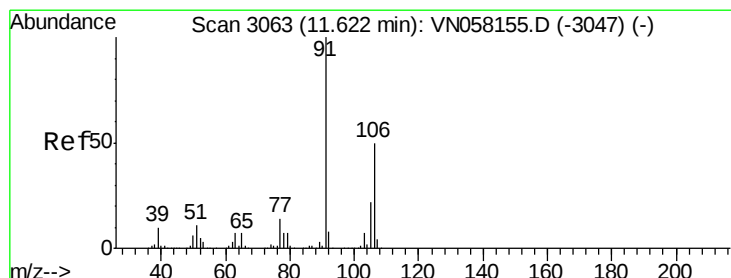
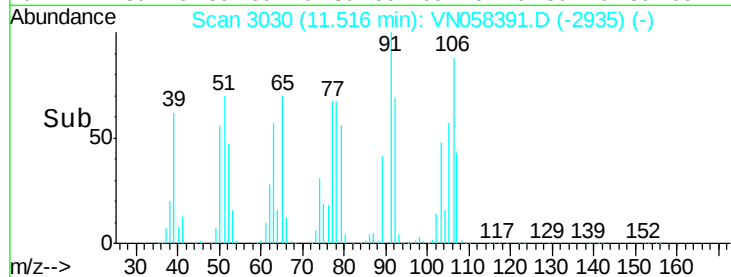
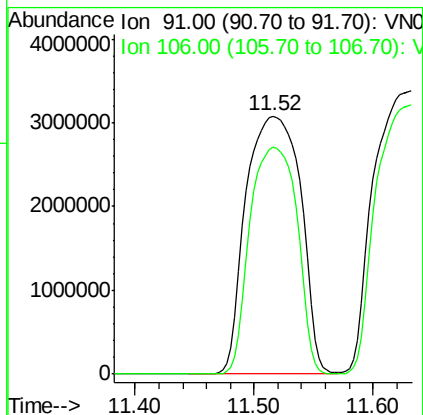
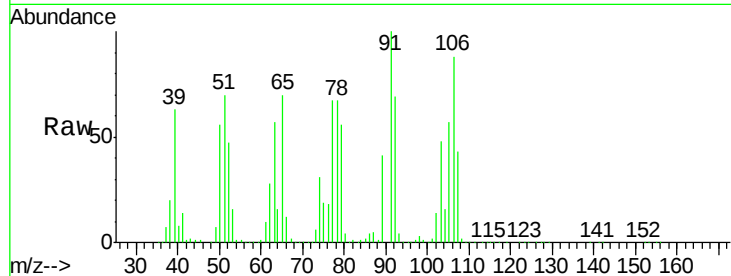
Ion Ratio Lower Upper

91 100

106 87.8 24.0 36.0#

Manual Integrations
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#68

m/p-Xylenes

Concen: 1305.191 ug/l

RT: 11.63 min Scan# 3066

Delta R.T. 0.01 min

Lab File: VN058391.D

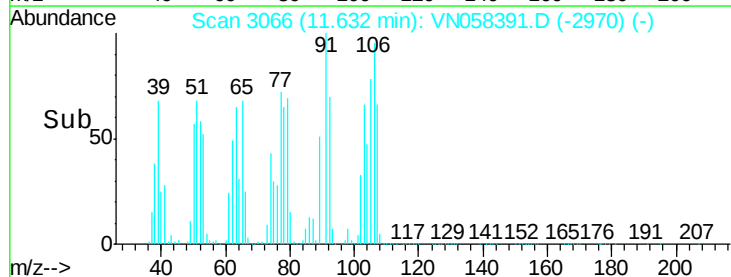
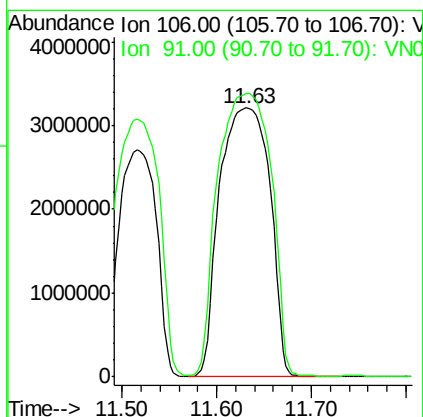
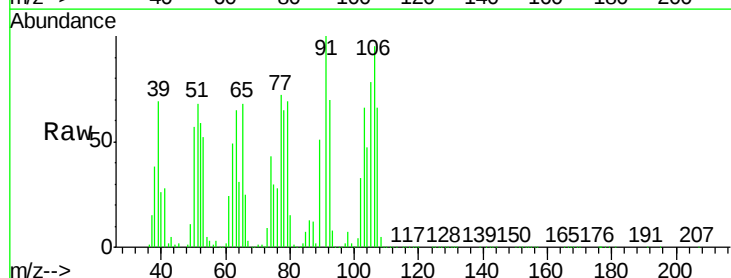
Acq: 26 Sep 2019 17:11

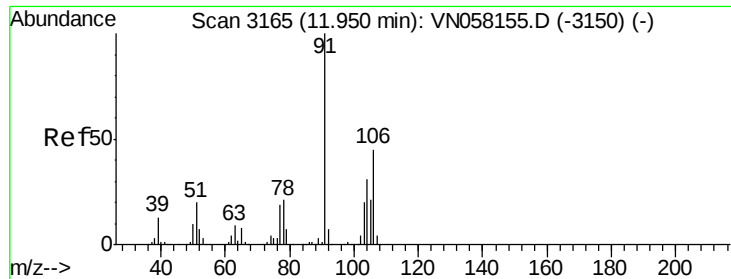
Tgt Ion: 106 Resp: 11824630

Ion Ratio Lower Upper

106 100

91 112.4 163.6 245.4#





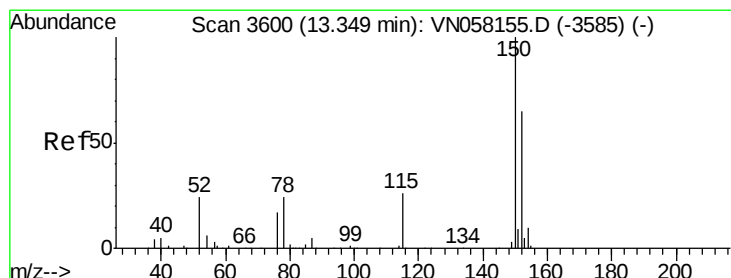
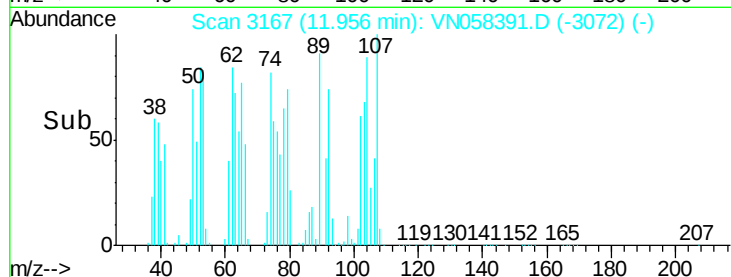
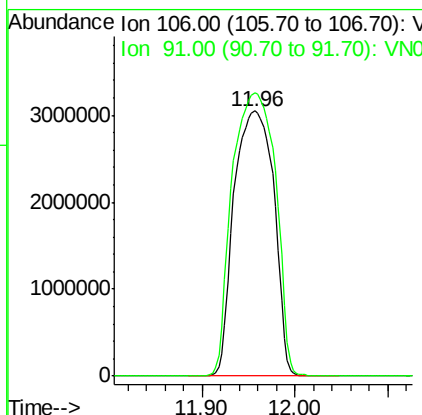
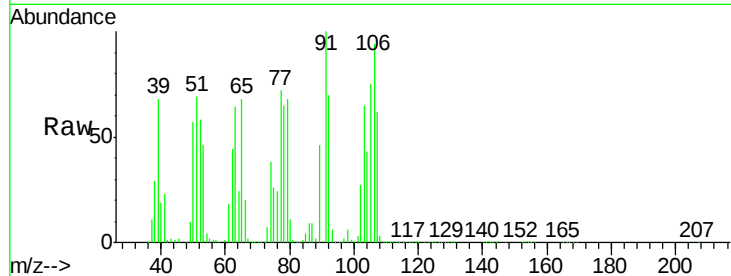
#69
o-Xylene
Concen: 1017.373 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.01 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Instrument :
MSVOA_N
ClientSampled :
30428

Tot Ion:106 Resp: 9063016
Ion Ratio Lower Upper
106 100
91 116.4 111.8 335.3

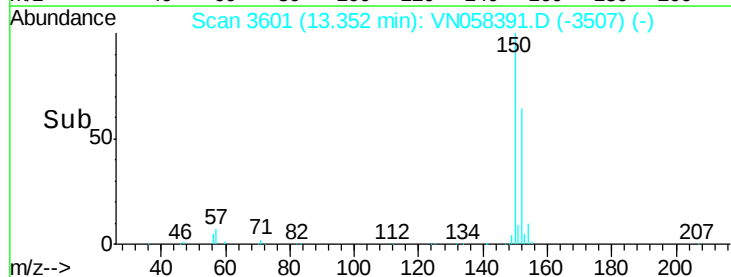
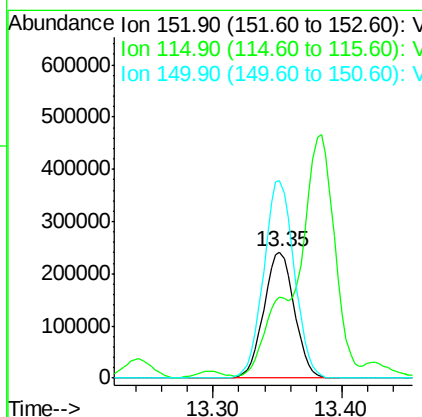
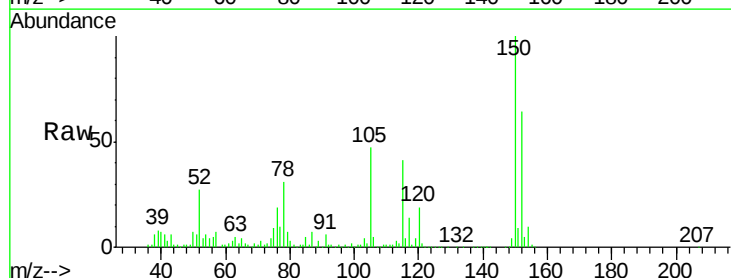
Manual Integrations
APPROVED

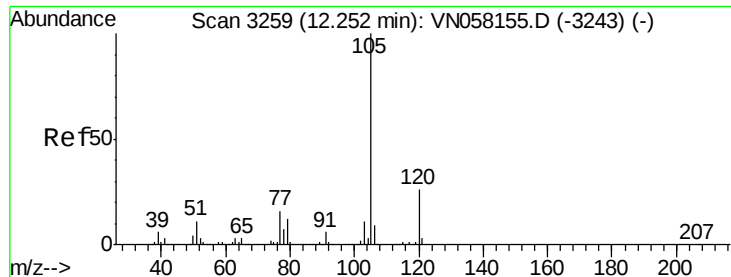
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058391.D
Acq: 26 Sep 2019 17:11

Tgt Ion:152 Resp: 398497
Ion Ratio Lower Upper
152 100
115 49.3 30.1 90.3
150 157.4 0.0 346.4





#73

Isopropylbenzene

Concen: 139.873 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

Instrument :

MSVOA_N

ClientSampleId :

30428

Tot Ion:105 Resp: 3488917

Ion Ratio Lower Upper

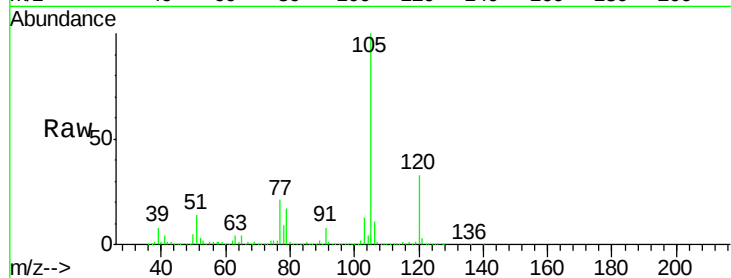
105 100

120 29.6 12.8 38.3

Manual Integrations
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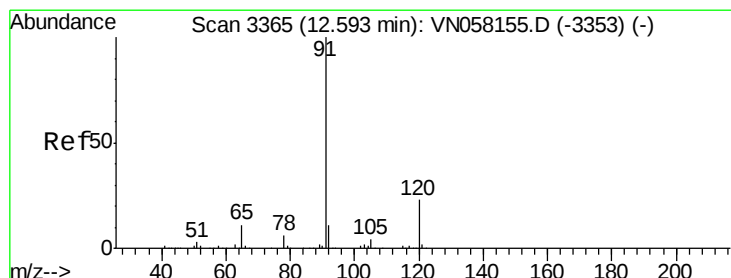
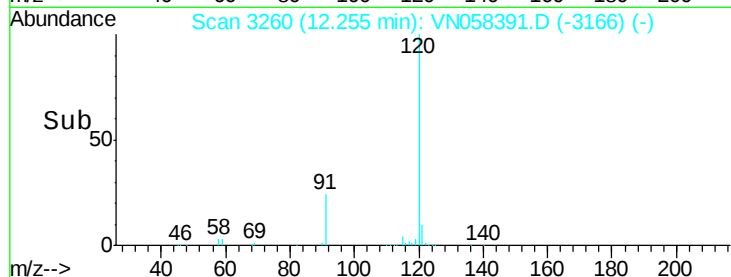
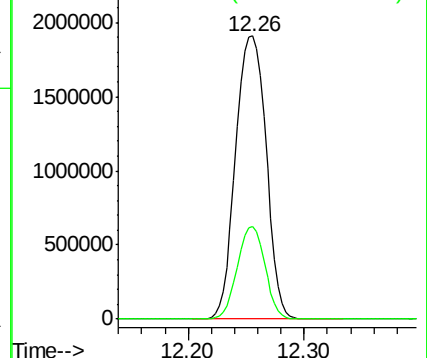
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 201.188 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058391.D

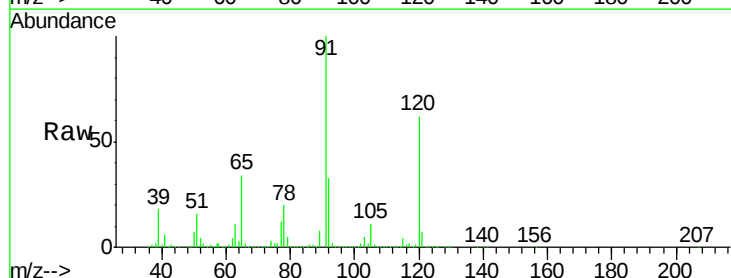
Acq: 26 Sep 2019 17:11

Tgt Ion: 91 Resp: 5702562

Ion Ratio Lower Upper

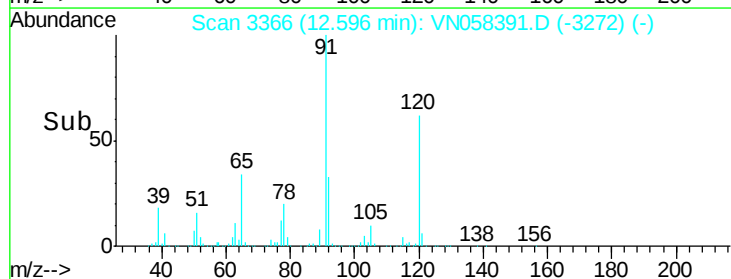
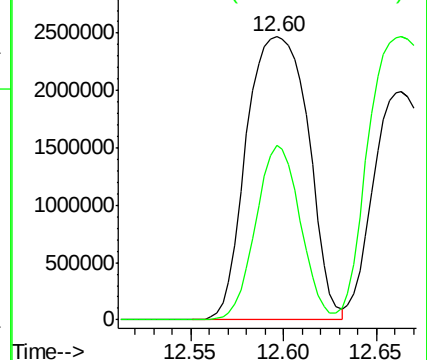
91 100

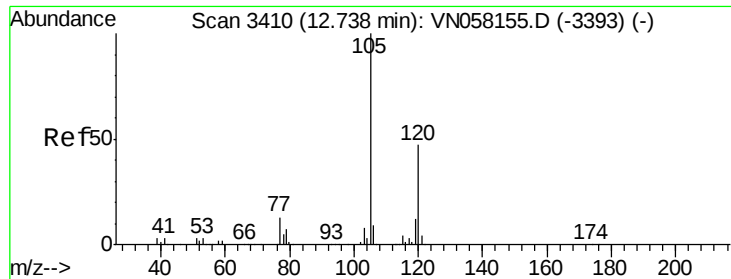
120 44.6 11.1 33.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 271.897 ug/l m

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

30428

Tot Ion:105 Resp: 5735016

Ion Ratio Lower Upper

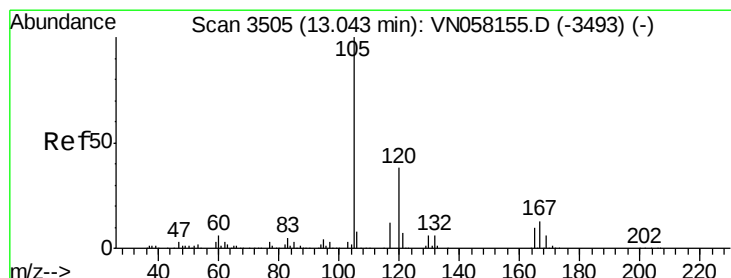
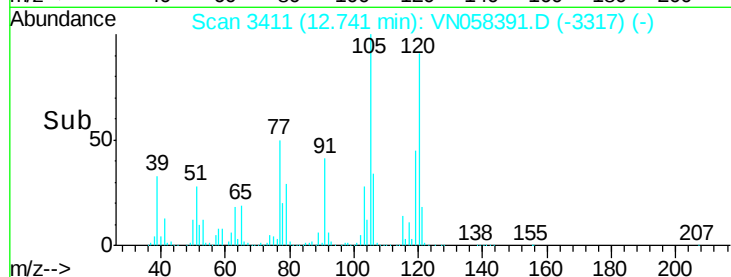
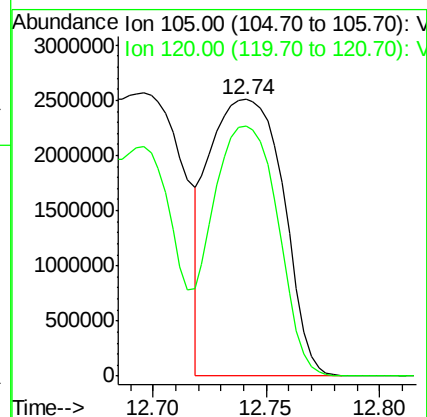
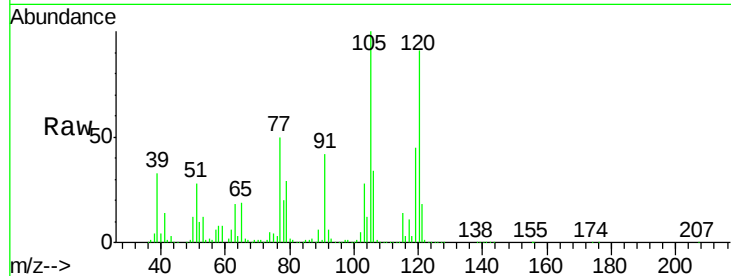
105 100

120 71.8 23.4 70.0#

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 414.081 ug/l m

RT: 13.05 min Scan# 3507

Delta R.T. 0.01 min

Lab File: VN058391.D

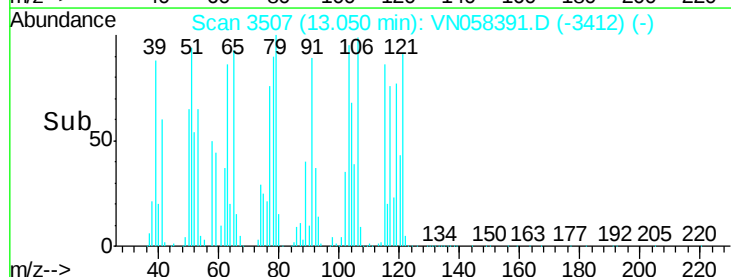
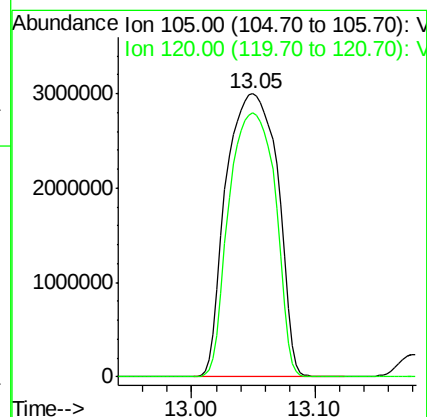
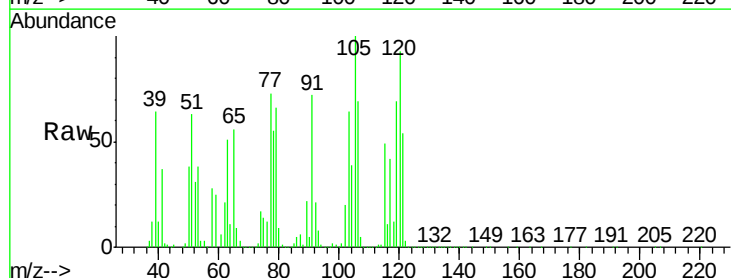
Acq: 26 Sep 2019 17:11

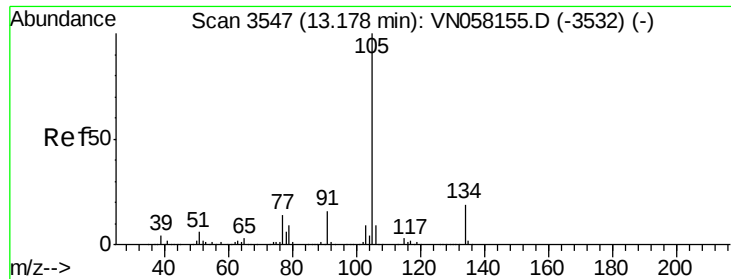
Tgt Ion:105 Resp: 8691771

Ion Ratio Lower Upper

105 100

120 47.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 15.069 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

30428

Tot Ion:105 Resp: 370652

Ion Ratio Lower Upper

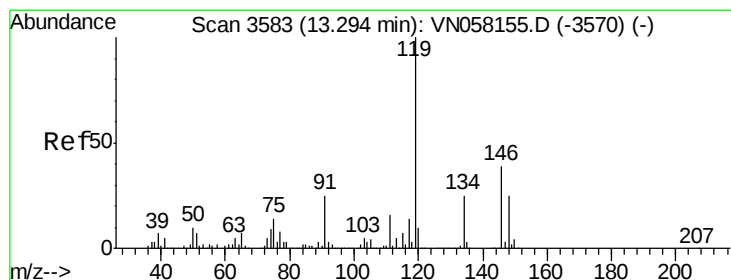
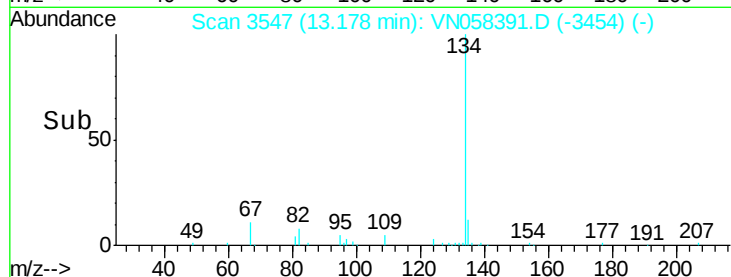
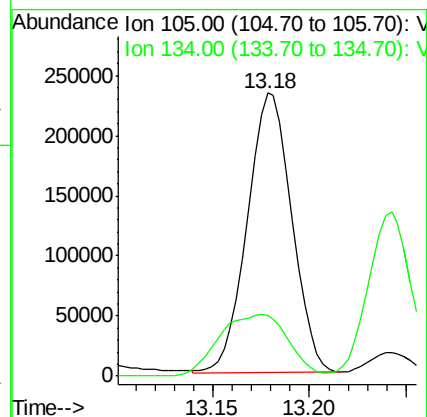
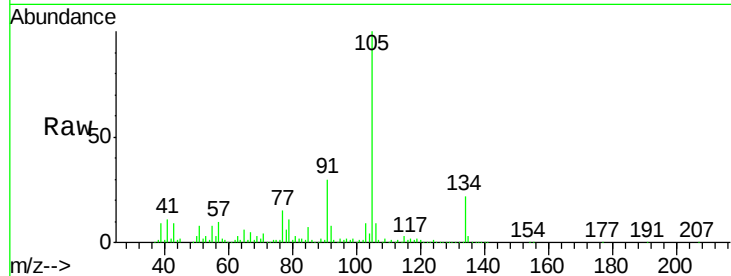
105 100

134 34.6 9.5 28.5#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 10.926 ug/l m

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

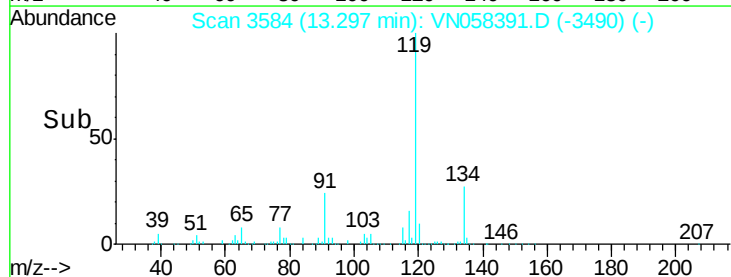
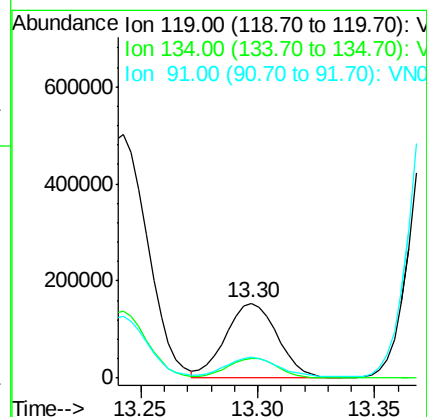
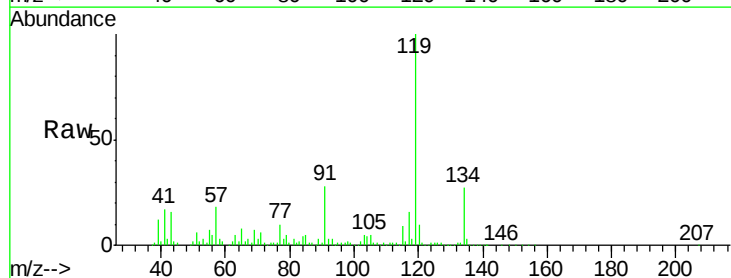
Tgt Ion:119 Resp: 238927

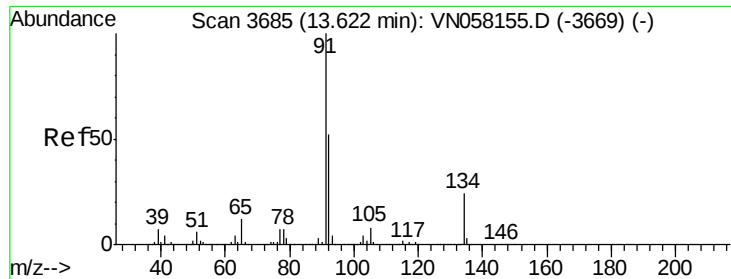
Ion Ratio Lower Upper

119 100

134 88.1 12.7 38.0#

91 78.2 12.3 36.8#





#89

n-Butylbenzene

Concen: 26.639 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

Instrument :

MSVOA_N

ClientSampled :

30428

Tot Ion: 91 Resp: 552282

Ion Ratio Lower Upper

91 100

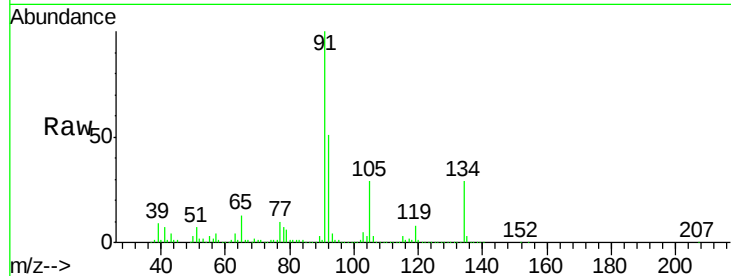
92 68.4 25.7 77.0

134 0.0 11.8 35.4#

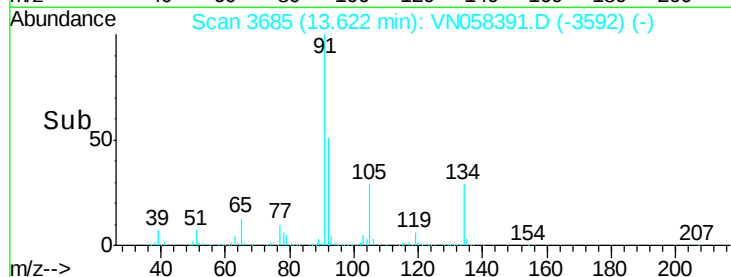
Manual Integrations
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MMDadoda

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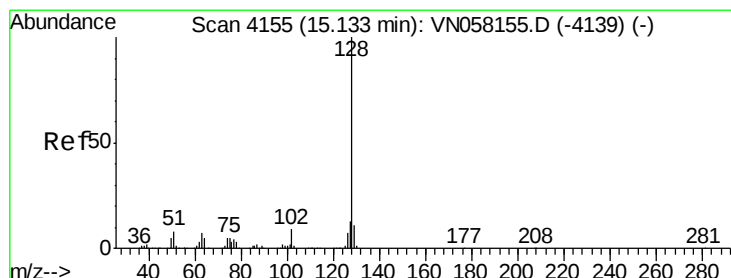
Abundance Ion 91.00 (90.70 to 91.70): VN058391.D (-3592) (-)



Ion 92.00 (91.70 to 92.70): VN058391.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058391.D (-3592) (-)

Time-->



#95

Naphthalene

Concen: 322.280 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058391.D

Acq: 26 Sep 2019 17:11

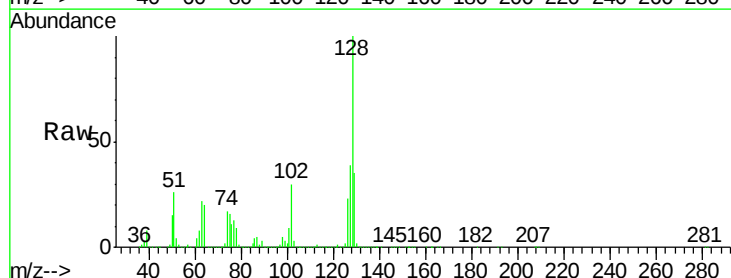
Tgt Ion: 128 Resp: 6134479

Ion Ratio Lower Upper

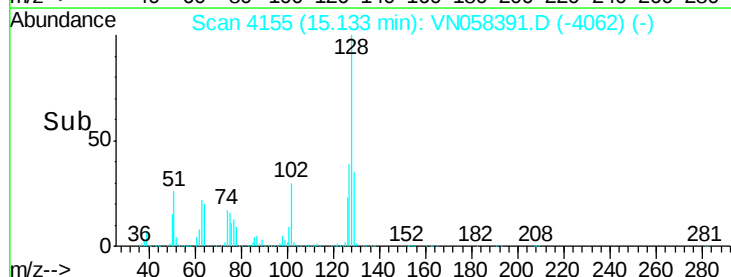
128 100

127 27.5 10.2 15.2#

129 24.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN058391.D (-4062) (-)



Ion 127.00 (126.70 to 127.70): VN058391.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN058391.D (-4062) (-)

Time-->