

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057922.D
 Acq On : 11 Sep 2019 13:57
 Operator : JC/SP
 Sample : K4818-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-MW-4-8.0-091019

Manual Integrations
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MMDadoda
 9/13/2019 7:06:27 AM

Quant Time: Sep 12 02:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	264461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	469383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244139	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	305776	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
35) Dibromofluoromethane	7.58	113	202072	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
50) Toluene-d8	10.09	98	847496	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	288680	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
Target Compounds						
					Qvalue	
16) Acetone	3.81	43	7771	4.426	ug/l #	74
31) Cyclohexane	7.64	56	163154	33.143	ug/l	97
39) Methylcyclohexane	9.07	83	284620	49.737	ug/l	98
40) Benzene	8.03	78	84334	5.146	ug/l	99
52) Toluene	10.15	92	22113	2.142	ug/l	94
67) Ethyl Benzene	11.51	91	116133	5.785	ug/l	99
68) m/p-Xylenes	11.62	106	17916	2.437	ug/l	99
69) o-Xylene	11.95	106	3966	0.543	ug/l	83
73) Isopropylbenzene	12.25	105	1844464	97.362	ug/l	99
78) n-propylbenzene	12.59	91	3631922	166.954	ug/l	88
83) tert-Butylbenzene	13.00	119	21668	1.523	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	9706	0.597	ug/l	97
85) sec-Butylbenzene	13.18	105	300708	15.945	ug/l #	65
86) p-Isopropyltoluene	13.29	119	11253m	0.677	ug/l	
89) n-Butylbenzene	13.62	91	471796	30.066	ug/l #	80
95) Naphthalene	15.13	128	1984105	141.709	ug/l	100

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

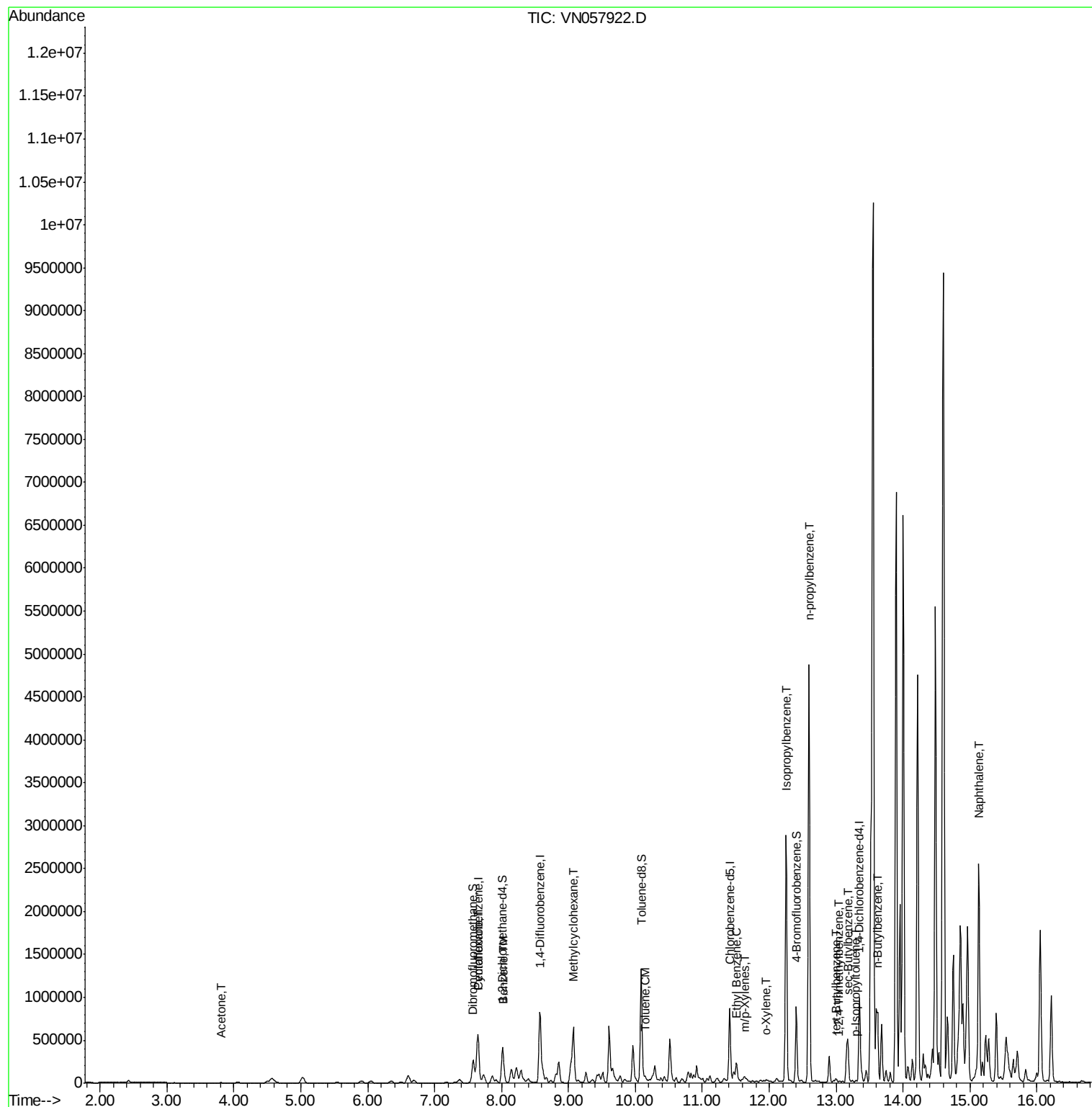
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
Data File : VN057922.D
Acq On : 11 Sep 2019 13:57
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 65 Sample Multiplier: 1

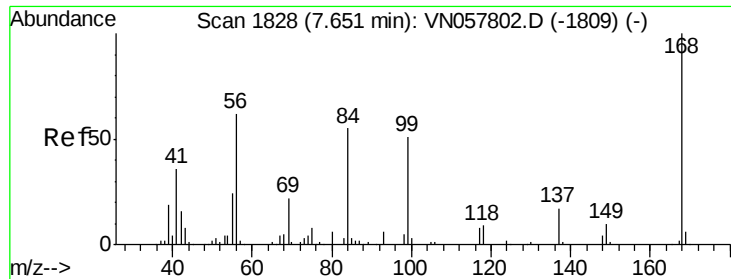
Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Manual Integrations
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Quant Time: Sep 12 02:06:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

T2-MW-4-8.0-091019

Tot Ion:168 Resp: 264461

Ion Ratio Lower Upper

168 100

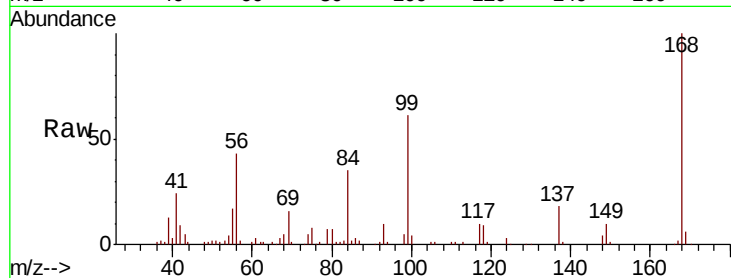
99 61.0 48.0 72.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

120000

100000

80000

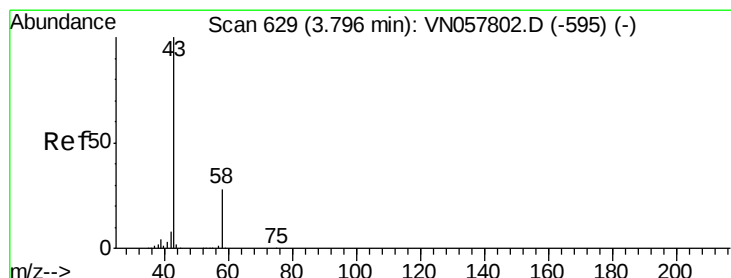
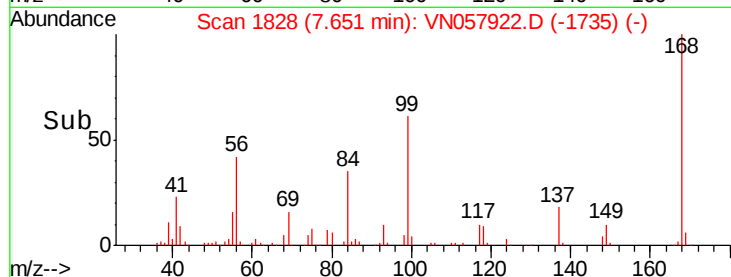
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 4.426 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.02 min

Lab File: VN057922.D

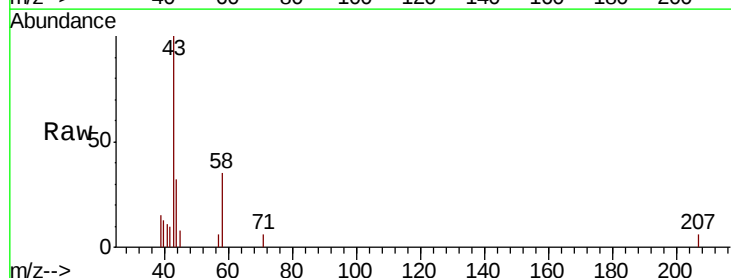
Acq: 11 Sep 2019 13:57

Tgt Ion: 43 Resp: 7771

Ion Ratio Lower Upper

43 100

58 41.3 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.81

3000

2500

2000

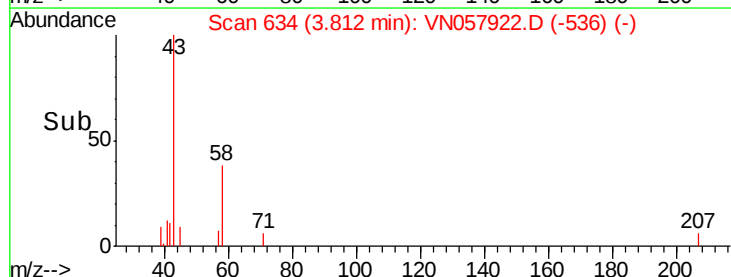
1500

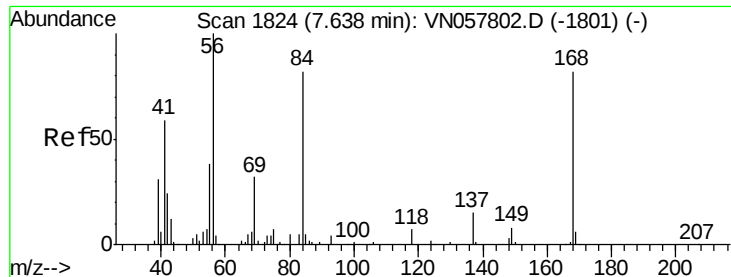
1000

500

0

Time-->





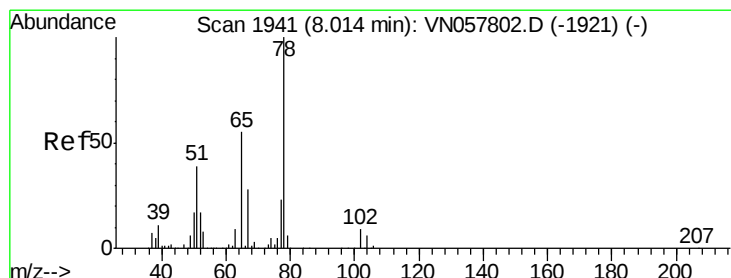
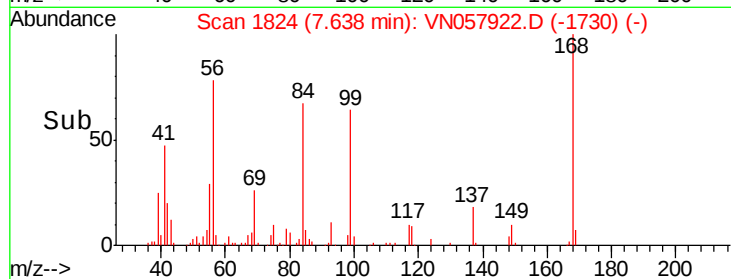
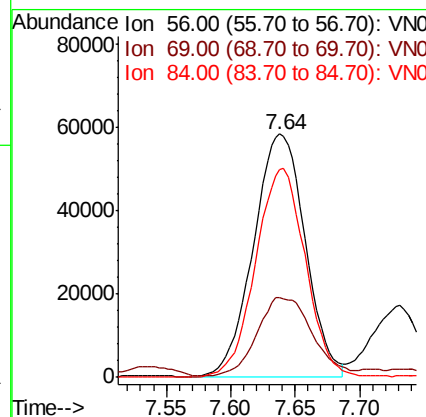
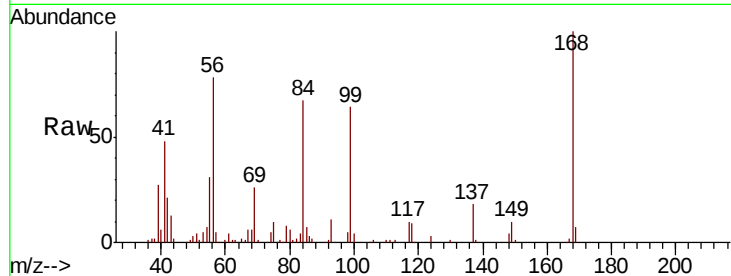
#31
Cyclohexane
Concen: 33.143 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Tot Ion	Ratio	Resp	Lower	Upper
56	100	163154		
69	32.0	25.9	38.9	
84	85.6	65.6	98.4	

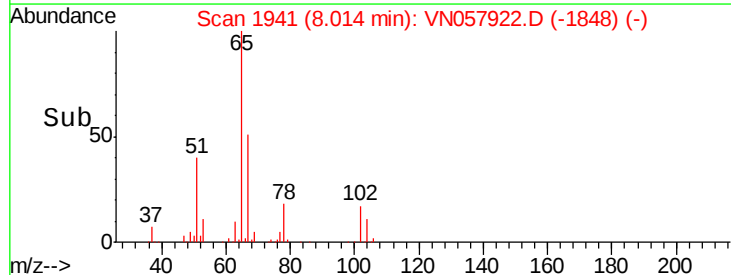
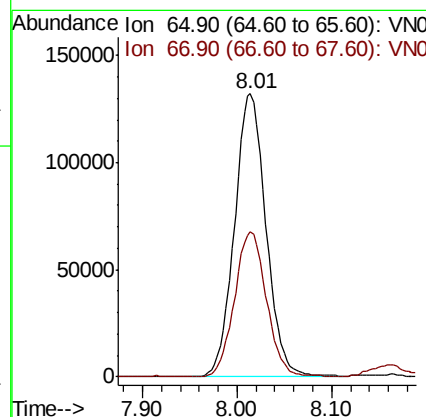
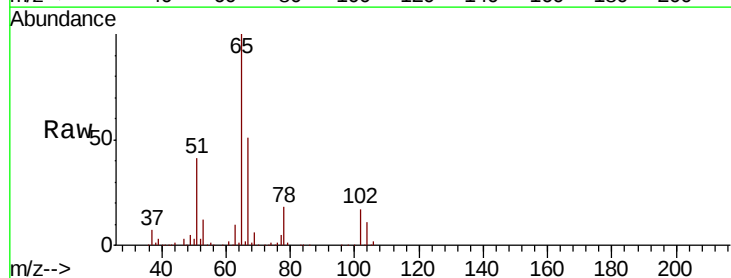
Manual Integrations
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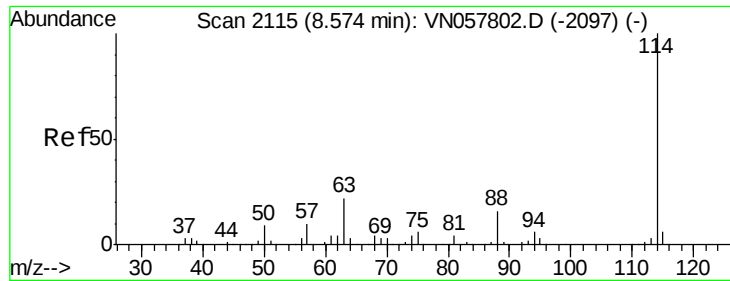
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#33
1,2-Dichloroethane-d4
Concen: 57.086 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	305776		
67	51.6	0.0	104.0	





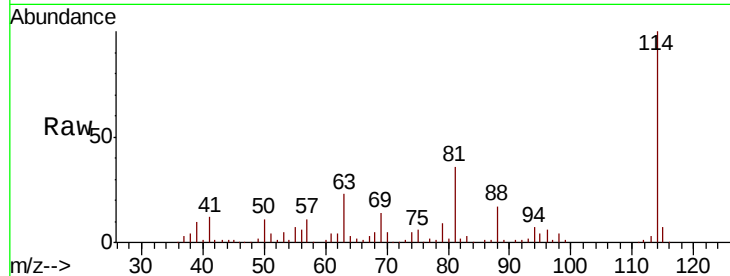
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Tot Ion	Ratio	Resp	Lower	Upper
114	100	469383		
63	23.0		0.0	44.0
88	16.7		0.0	31.4

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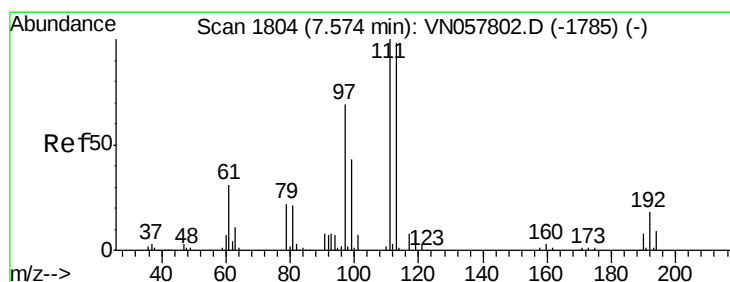
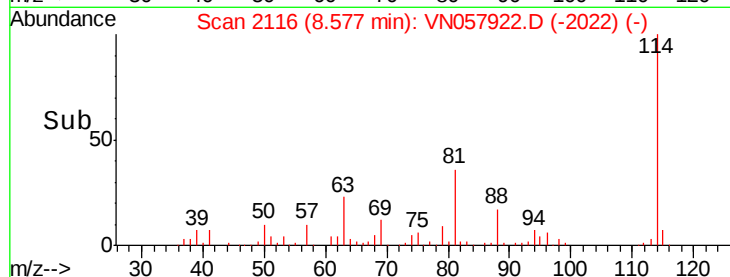
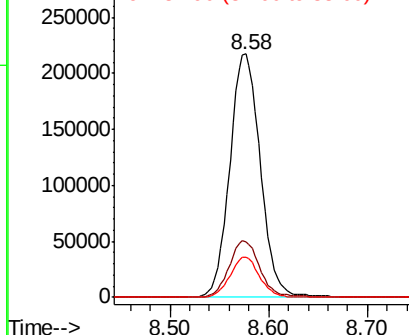


Abundance

Ion 113.90 (113.60 to 114.60): V

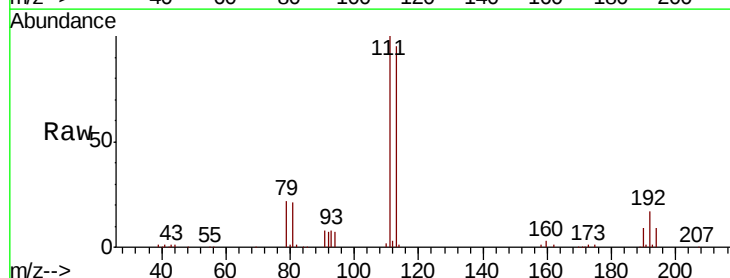
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
Dibromofluoromethane
Concen: 46.644 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	202072		
111	104.9		81.3	121.9
192	17.9		14.6	22.0

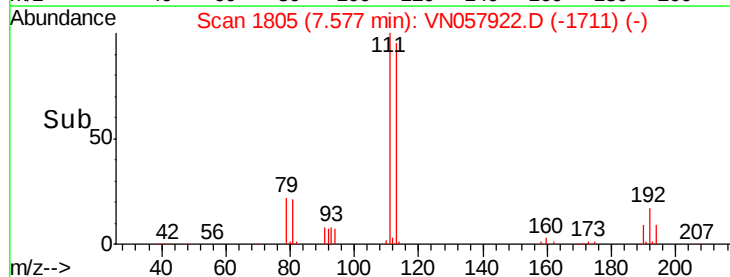
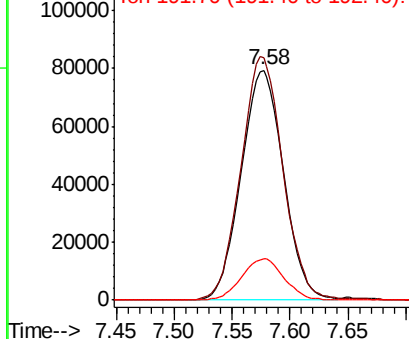


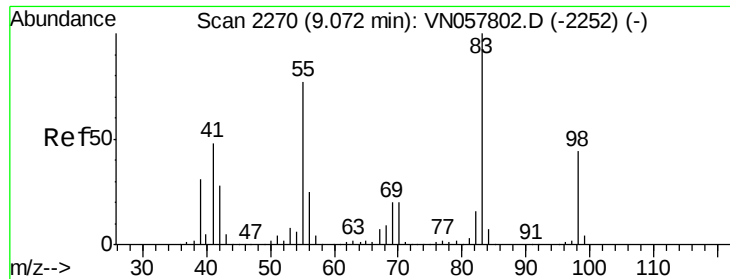
Abundance

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





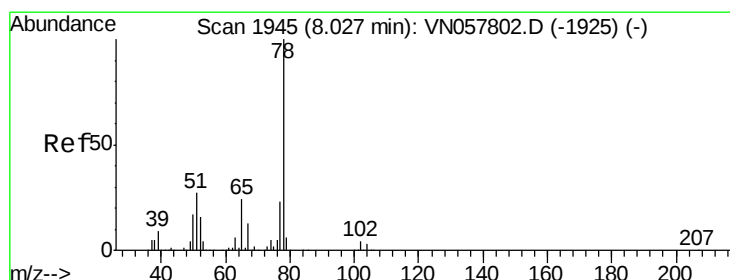
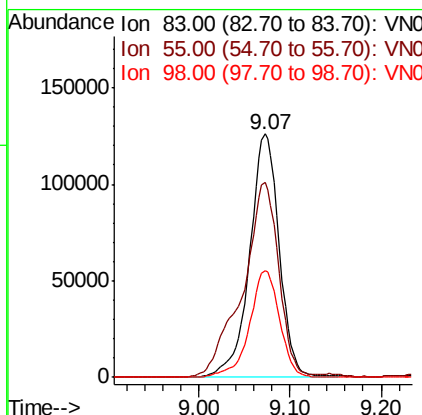
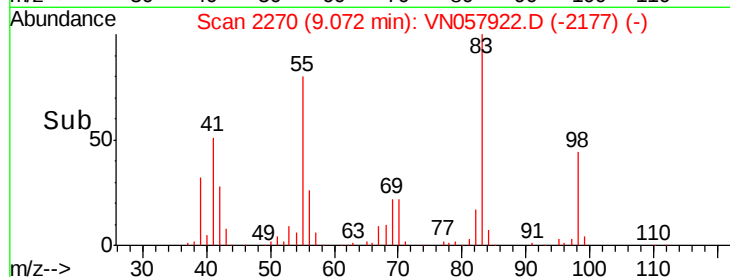
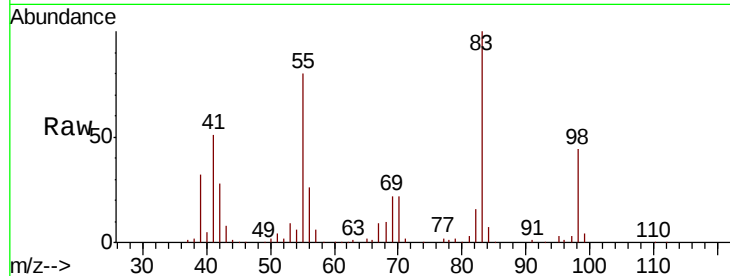
#39
Methvlcvclohexane
Concen: 49.737 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Tot Ion	Ratio	Resp	Lower	Upper
83	100	284620		
55	79.6		61.6	92.4
98	44.0		34.9	52.3

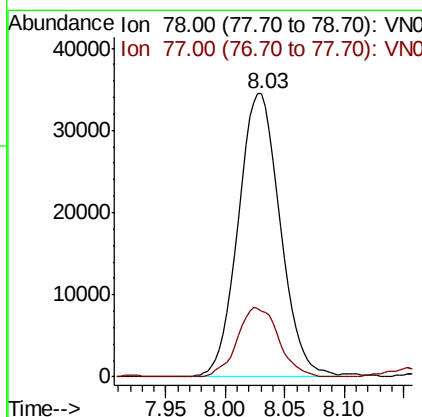
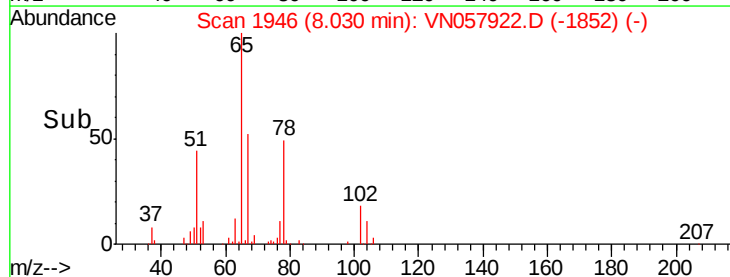
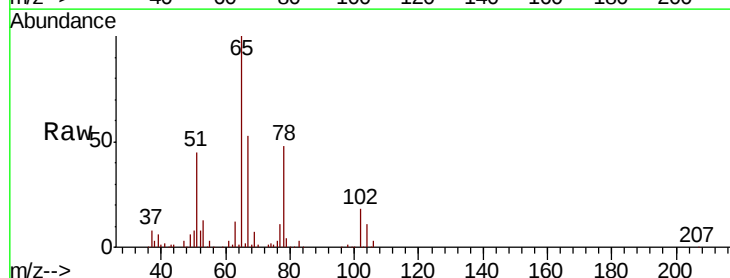
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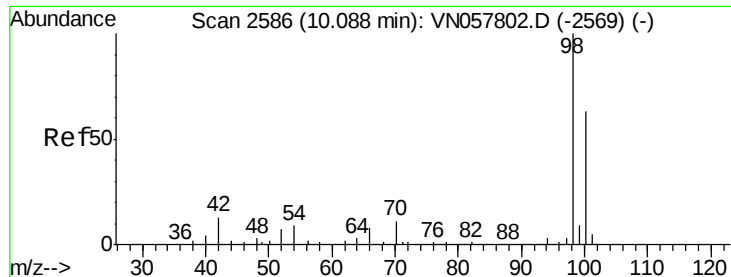
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#40
Benzene
Concen: 5.146 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	84334		
77	23.4		18.3	27.5





#50

Toluene-d8

Concen: 50.386 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

T2-MW-4-8.0-091019

Tot Ion: 98 Resp: 847496

Ion Ratio Lower Upper

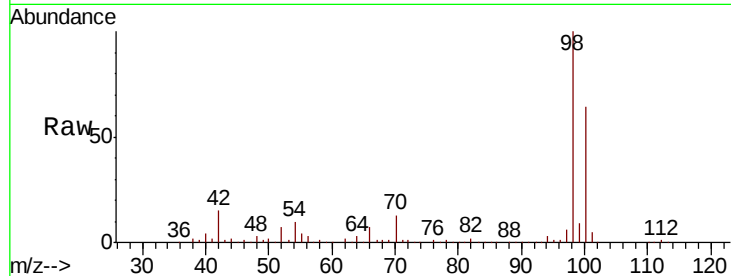
98 100

100 63.3 50.3 75.5

Manual Integrations
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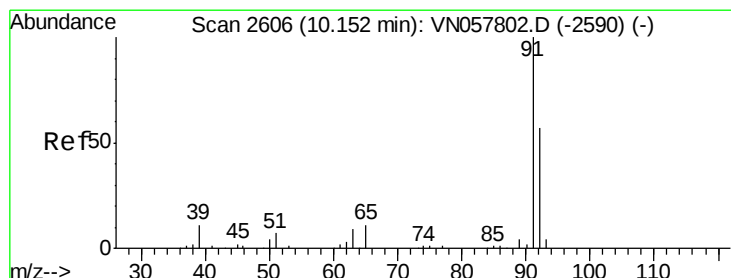
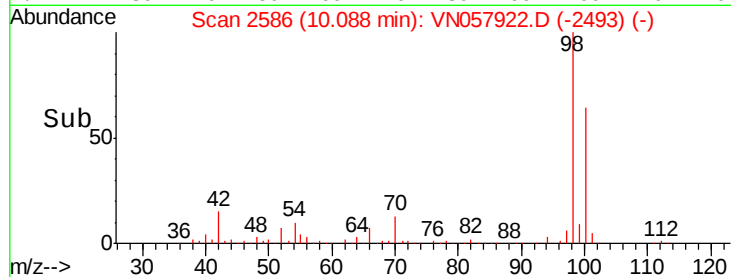
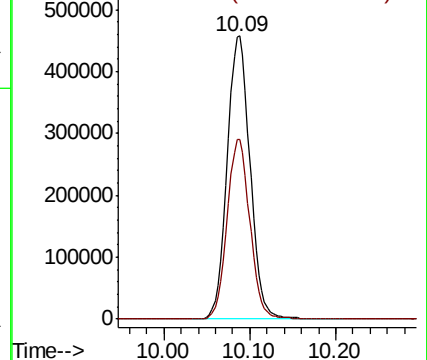
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 2.142 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057922.D

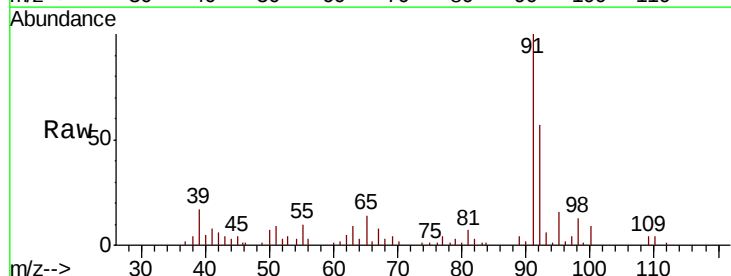
Acq: 11 Sep 2019 13:57

Tgt Ion: 92 Resp: 22113

Ion Ratio Lower Upper

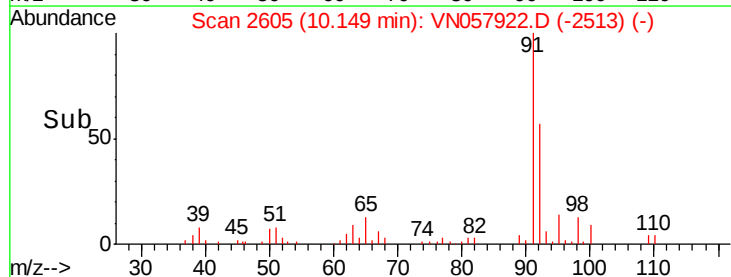
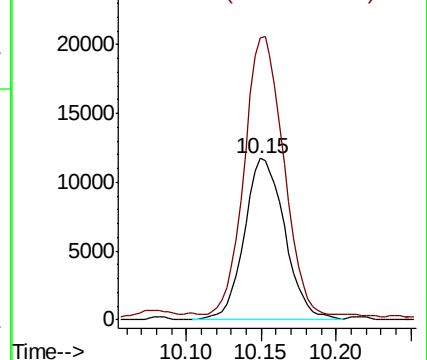
92 100

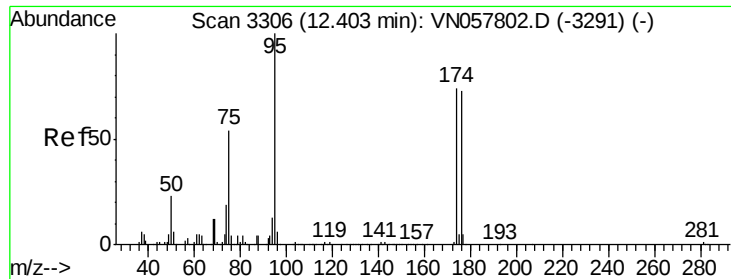
91 167.4 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





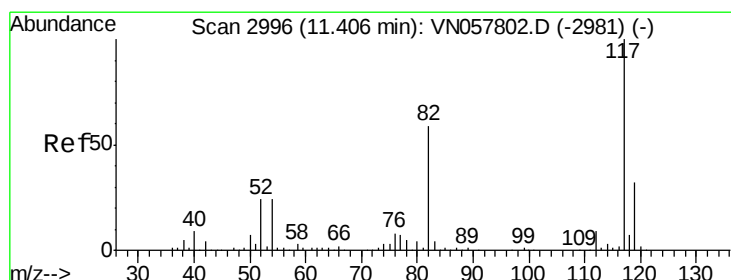
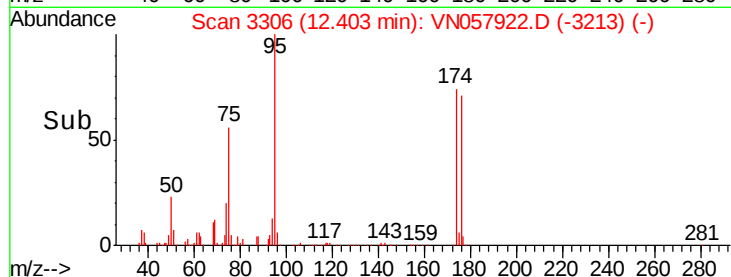
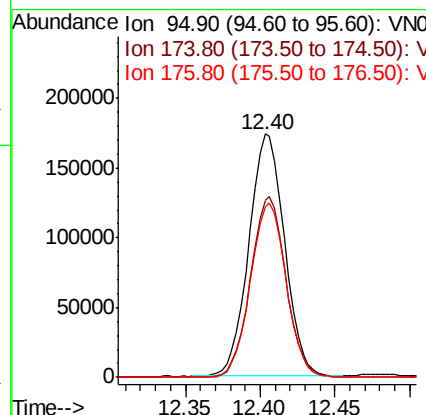
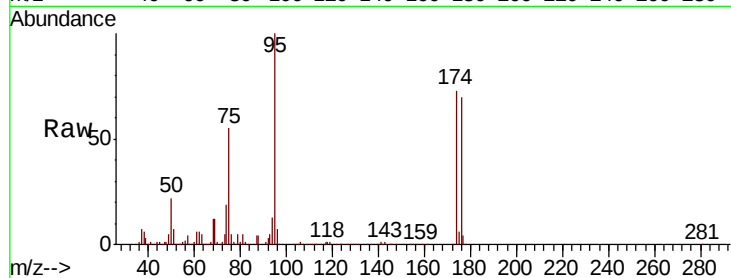
#62
4-Bromofluorobenzene
Concen: 45.037 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Tot Ion	Ratio	Resp	Lower	Upper
95	100	288680		
174	74.0	0.0	150.2	
176	71.8	0.0	146.0	

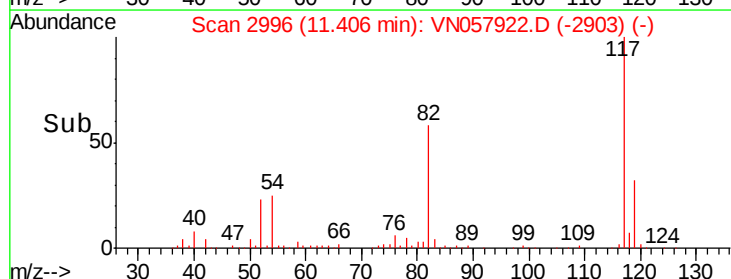
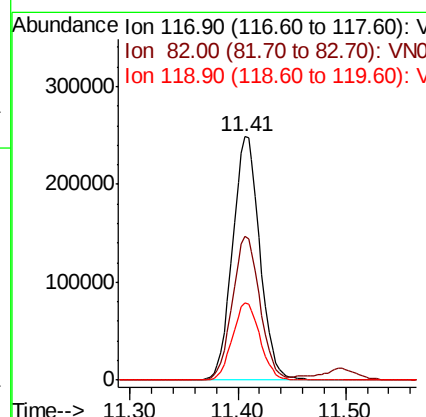
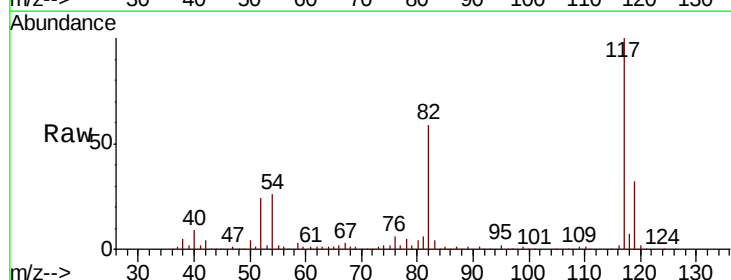
Manual Integrations
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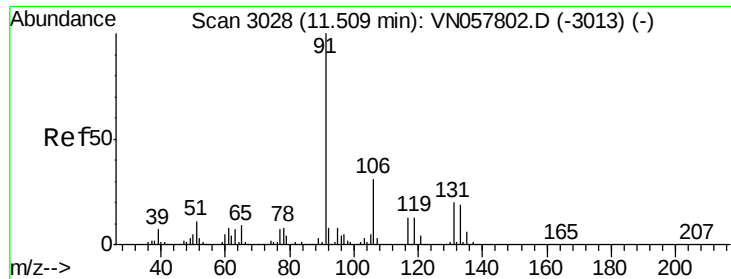
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	437677		
82	58.8	47.2	70.8	
119	31.9	25.3	37.9	





#67

Ethyl Benzene

Concen: 5.785 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

T2-MW-4-8.0-091019

Tot Ion: 91 Resp: 116133

Ion Ratio Lower Upper

91 100

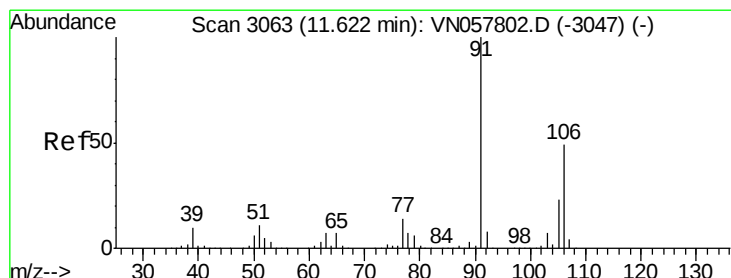
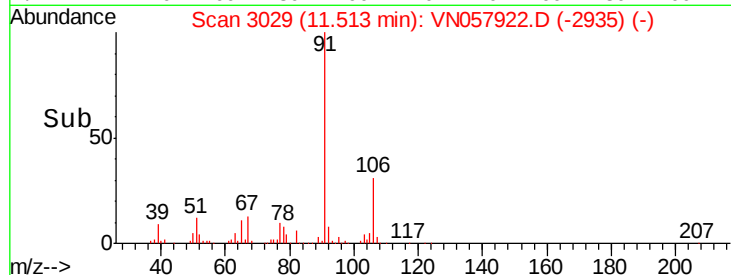
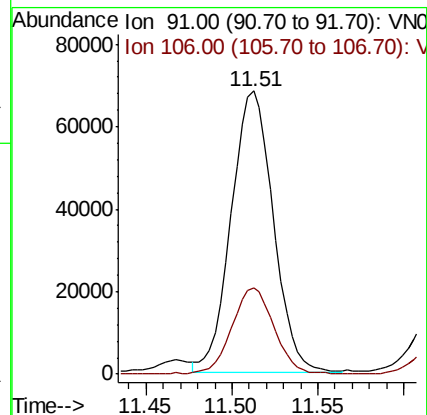
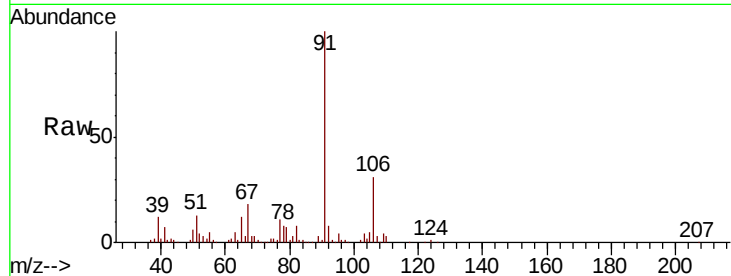
106 31.1 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 2.437 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057922.D

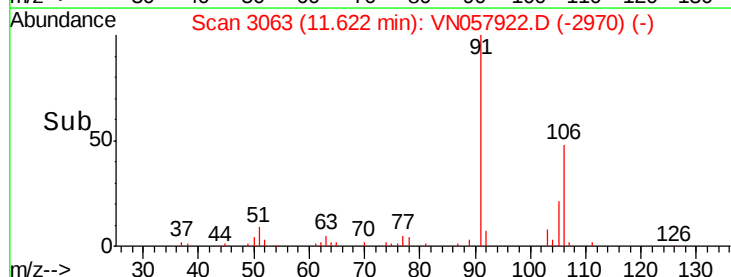
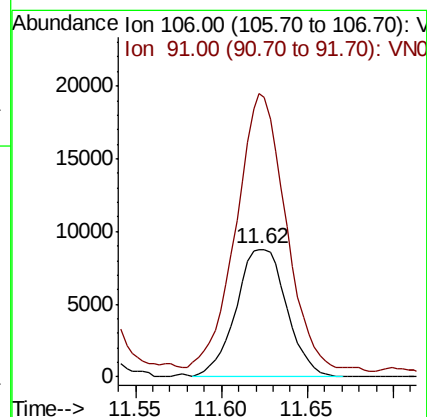
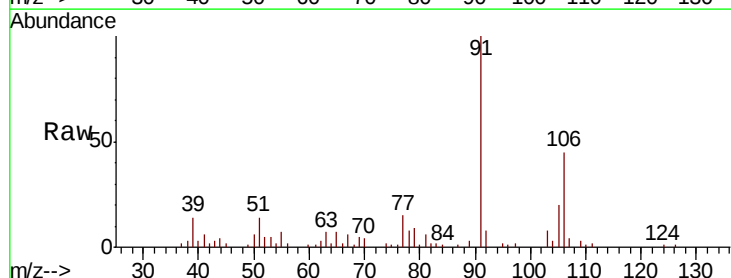
Acq: 11 Sep 2019 13:57

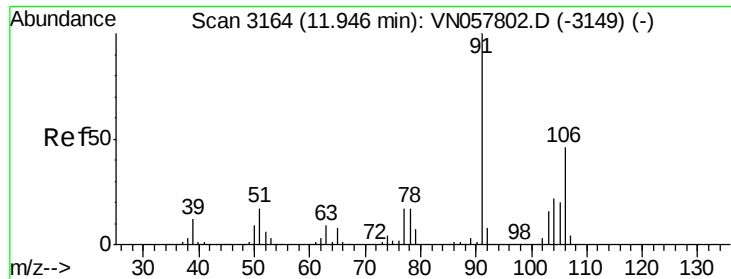
Tgt Ion: 106 Resp: 17916

Ion Ratio Lower Upper

106 100

91 208.5 165.8 248.6





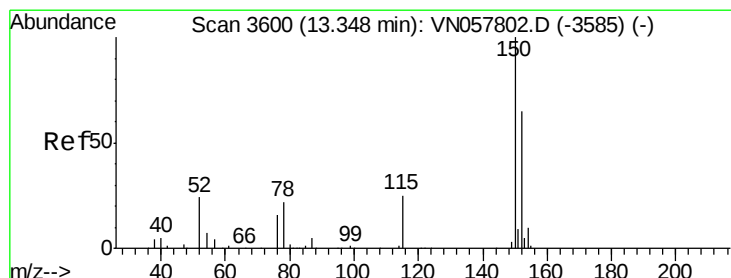
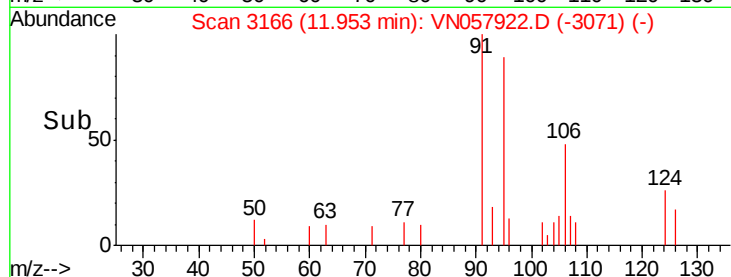
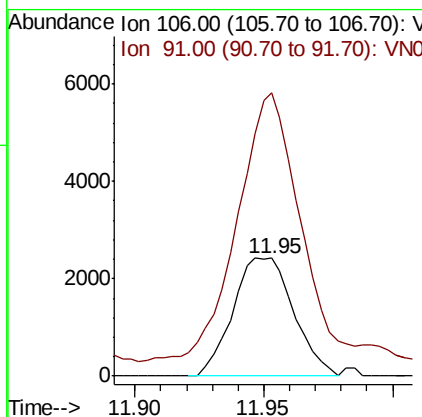
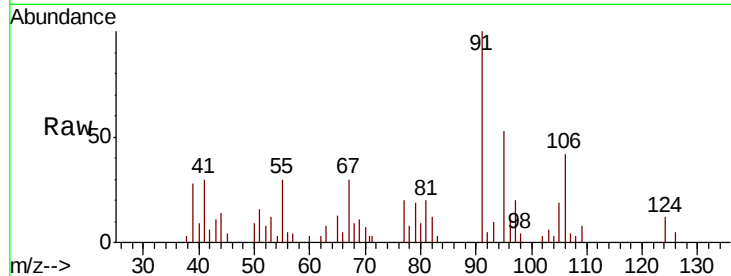
#69
o-Xylene
Concen: 0.543 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.01 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Tot Ion:106 Resp: 3966
Ion Ratio Lower Upper
106 100
91 244.1 108.7 326.1

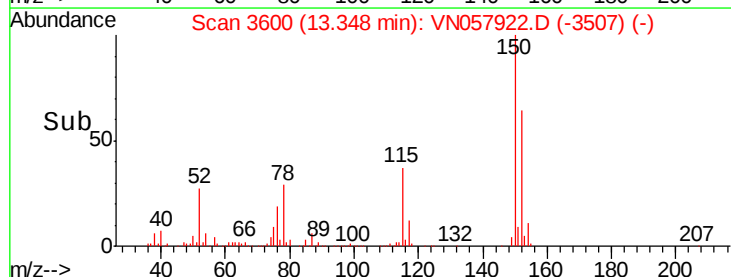
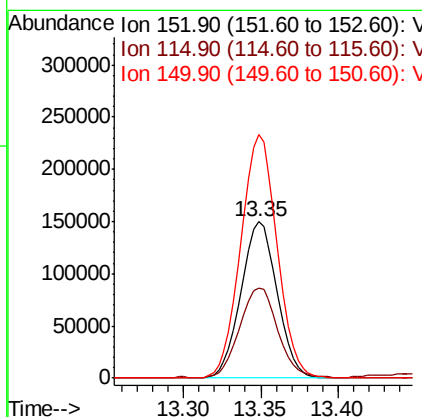
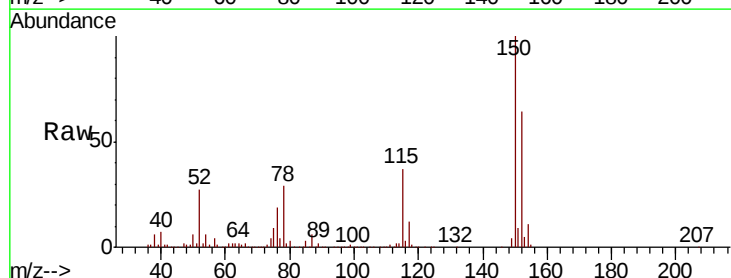
Manual Integrations
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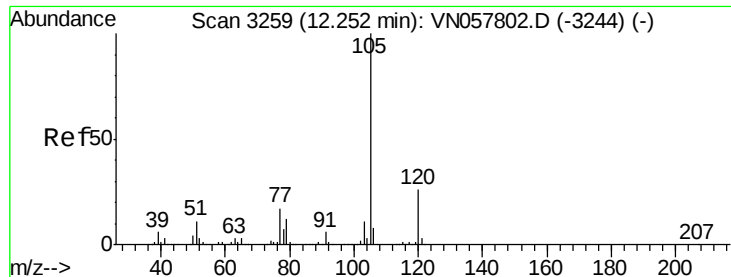
MMDadoda
9/13/2019 7:06:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Tgt Ion:152 Resp: 244139
Ion Ratio Lower Upper
152 100
115 59.7 30.3 91.0
150 156.3 0.0 352.4





#73

Isopropylbenzene

Concen: 97.362 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

T2-MW-4-8.0-091019

Tot Ion:105 Resp: 1844464

Ion Ratio Lower Upper

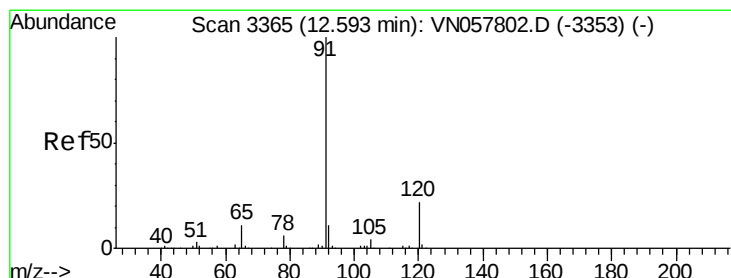
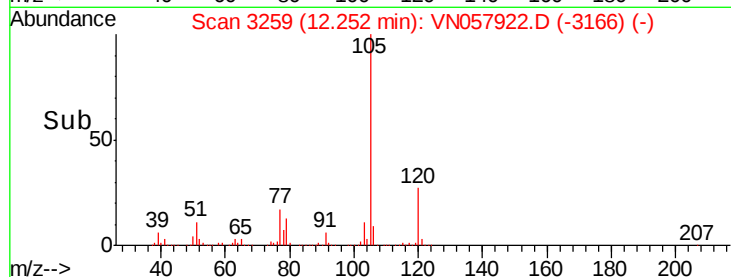
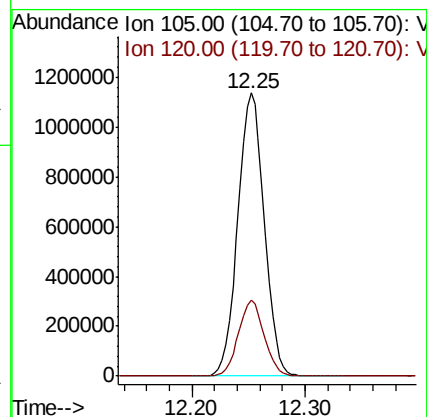
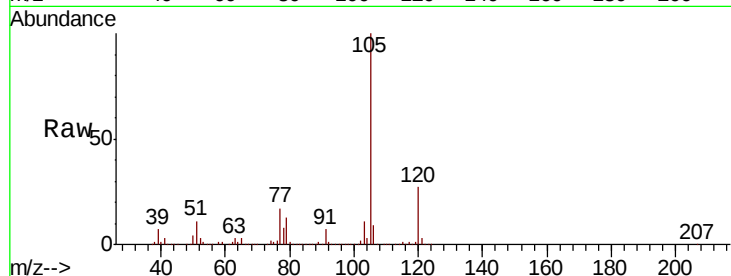
105 100

120 26.2 12.8 38.4

Manual Integrations
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#78

n-propylbenzene

Concen: 166.954 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057922.D

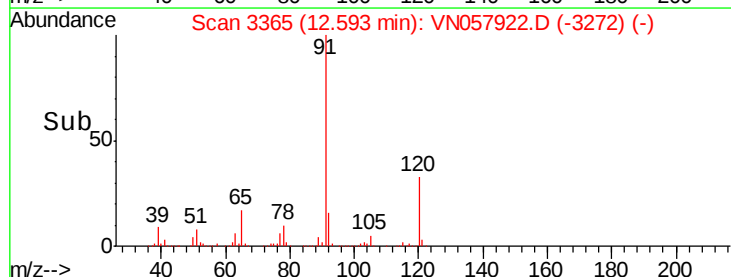
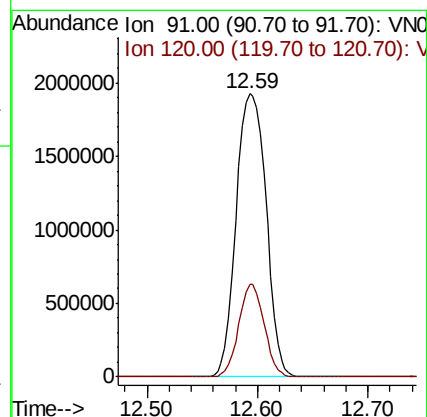
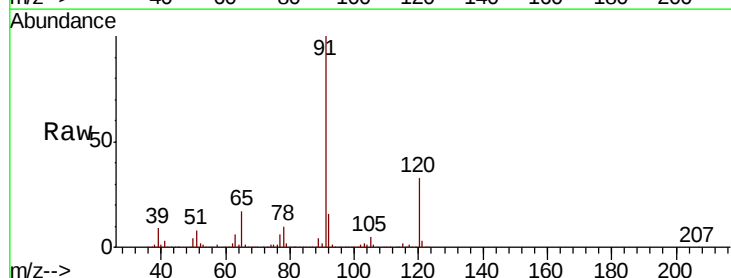
Acq: 11 Sep 2019 13:57

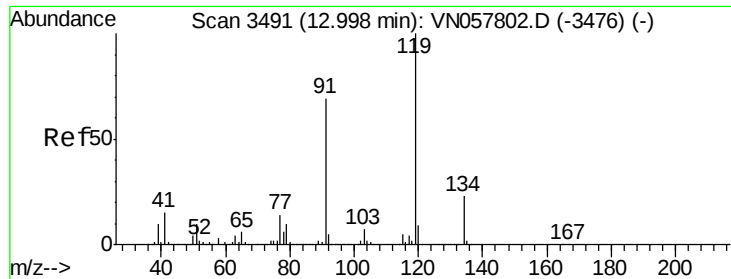
Tgt Ion: 91 Resp: 3631922

Ion Ratio Lower Upper

91 100

120 27.8 11.1 33.1





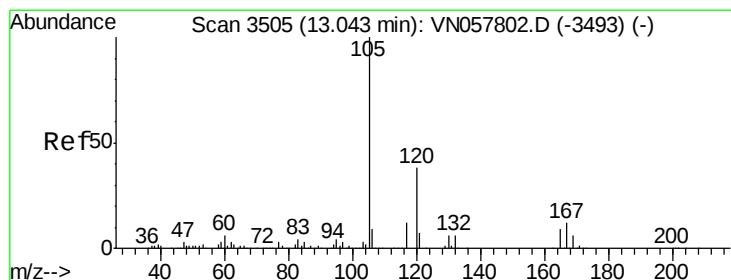
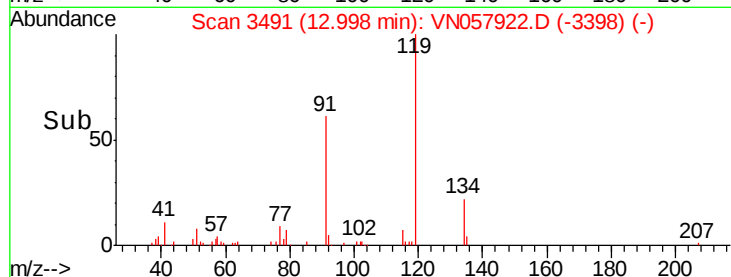
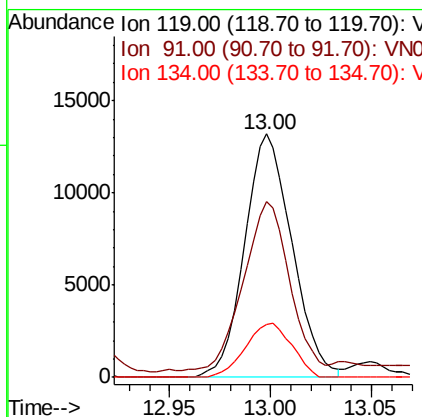
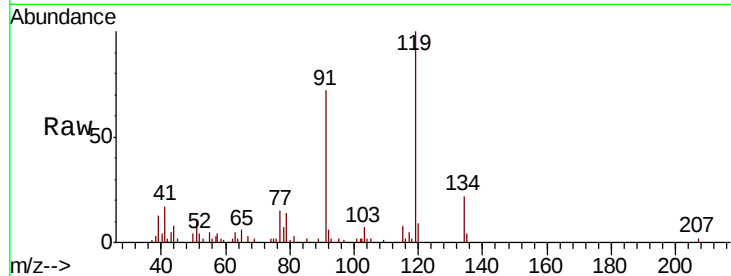
#83
tert-Butylbenzene
Concen: 1.523 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
T2-MW-4-8.0-091019

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	33.6	100.8
134	21.8	11.7	35.0

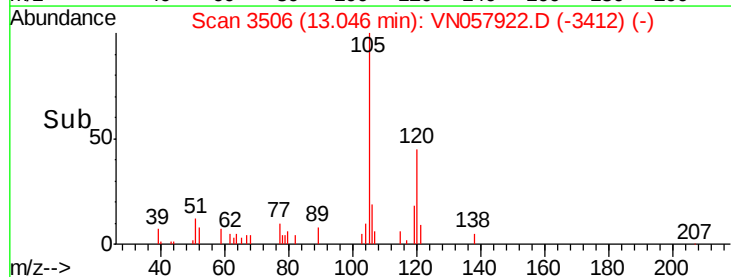
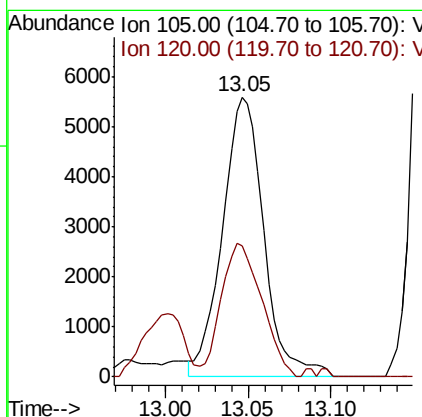
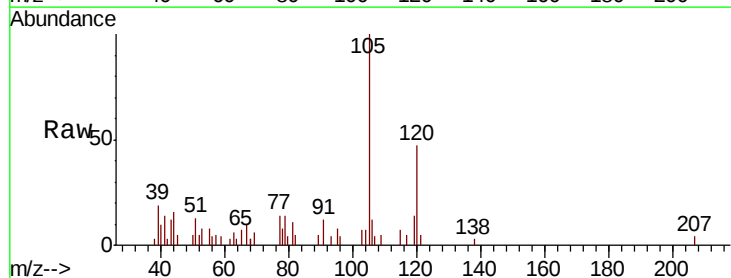
Manual Integrations
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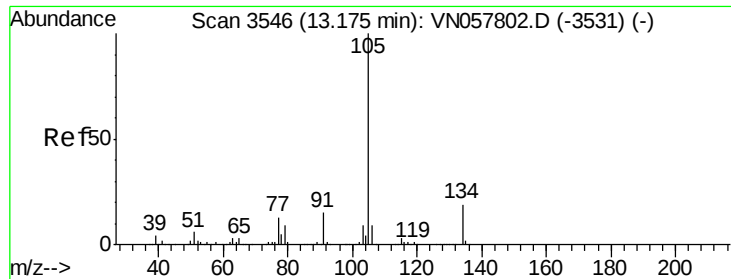
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 0.597 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057922.D
Acq: 11 Sep 2019 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.4	67.2





#85

sec-Butylbenzene

Concen: 15.945 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

T2-MW-4-8.0-091019

Tot Ion:105 Resp: 300708

Ion Ratio Lower Upper

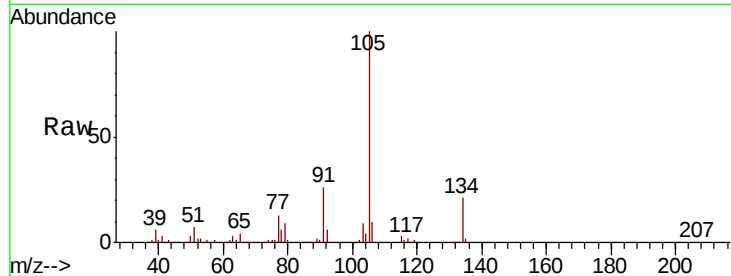
105 100

134 35.1 9.6 28.6#

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

Ion 134.00 (133.70 to 134.70): V

13.18

200000

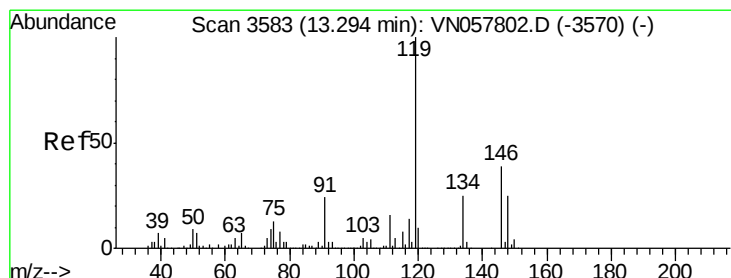
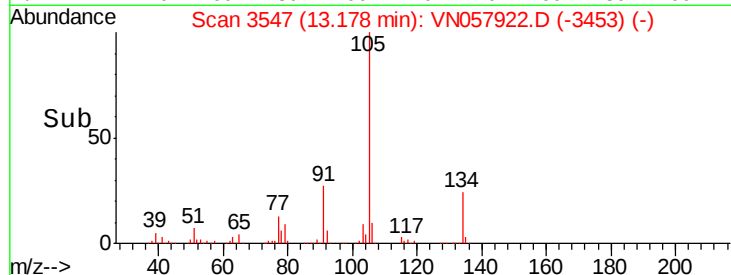
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.677 ug/l m

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

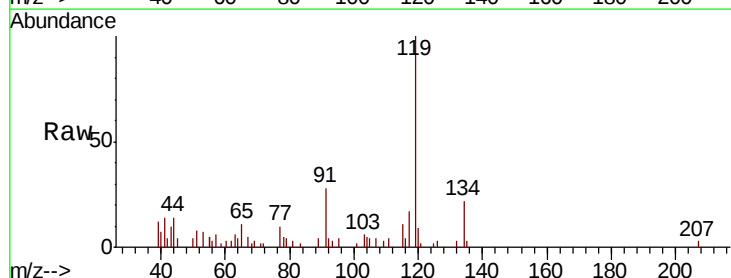
Tgt Ion:119 Resp: 11253

Ion Ratio Lower Upper

119 100

134 176.4 12.5 37.5#

91 0.0 12.3 36.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

10000

8000

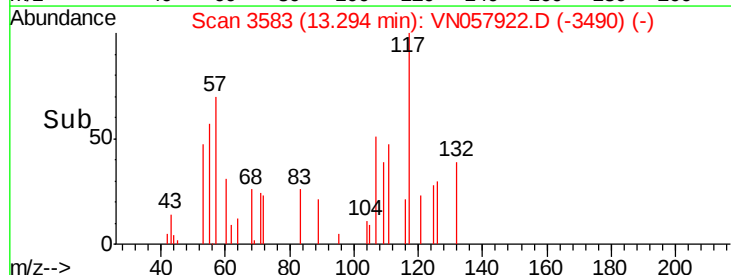
6000

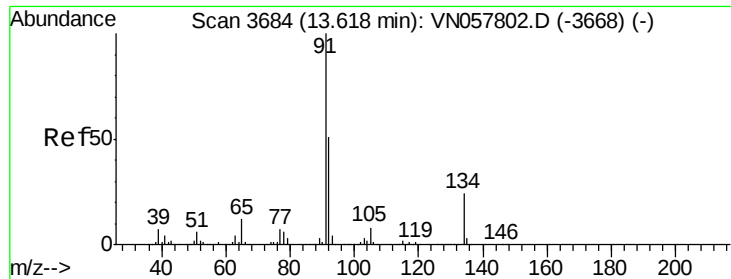
4000

2000

0

Time-->





#89

n-Butylbenzene

Concen: 30.066 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Instrument :

MSVOA_N

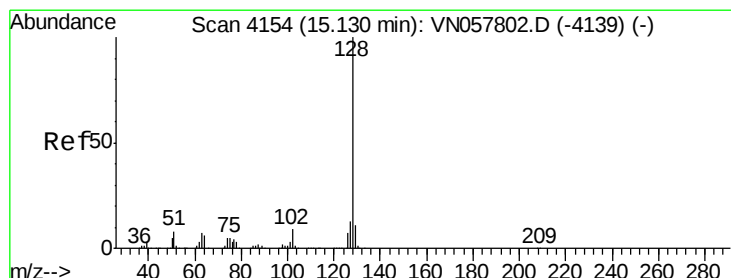
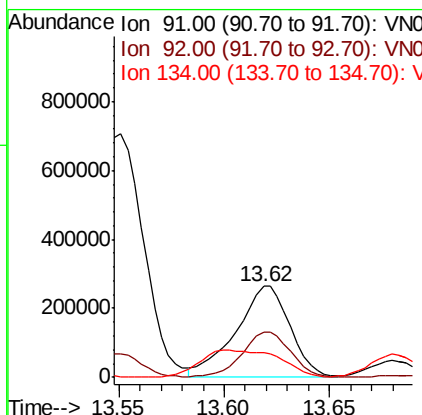
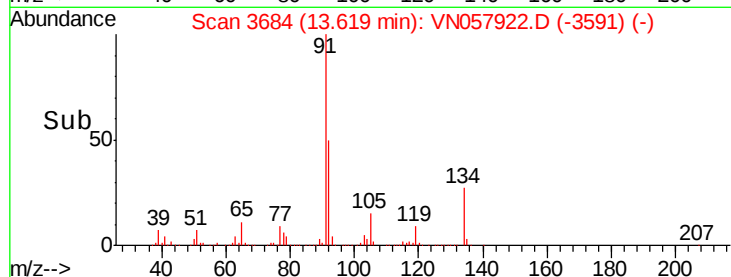
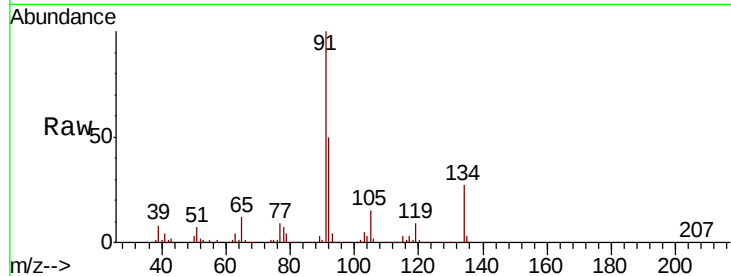
ClientSampleId :

T2-MW-4-8.0-091019

Tot Ion:	91	Resp:	471796
Ion Ratio	Lower	Upper	
91	100		
92	44.4	25.7	77.0
134	43.8	11.9	35.7#

Manual Integrations
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#95

Naphthalene

Concen: 141.709 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057922.D

Acq: 11 Sep 2019 13:57

Tgt Ion:	128	Resp:	1984105
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.6	8.6	12.8

