

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
 Data File : VN061212.D
 Acq On : 30 Apr 2020 19:24
 Operator : JC/MD
 Sample : L2453-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

MMDadoda
 5/1/2020 10:54:51 AM

Quant Time: May 01 05:36:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	130880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	227576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	217009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104159	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	94892	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	7.55	113	65676	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.06	98	282925	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.38	95	111460	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
Target Compounds						
					Qvalue	
16) Acetone	3.76	43	37442	42.155	ug/l #	62
31) Cyclohexane	7.61	56	62664	20.800	ug/l	92
39) Methylcyclohexane	9.05	83	51730	20.248	ug/l	95
52) Toluene	10.13	92	104016	25.444	ug/l	99
67) Ethyl Benzene	11.48	91	318980	39.584	ug/l	99
68) m/p-Xylenes	11.59	106	436256	147.903	ug/l	97
69) o-Xylene	11.92	106	188308	66.462	ug/l	96
73) Isopropylbenzene	12.22	105	138262	18.056	ug/l	99
78) n-propylbenzene	12.57	91	479369	52.780	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	484905	76.513	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1995795	305.662	ug/l	100
85) sec-Butylbenzene	13.15	105	40208m	5.519	ug/l	
86) p-Isopropyltoluene	13.26	119	13493m	2.056	ug/l	
89) n-Butylbenzene	13.59	91	33661m	5.594	ug/l	
95) Naphthalene	15.11	128	100912	16.308	ug/l	99

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

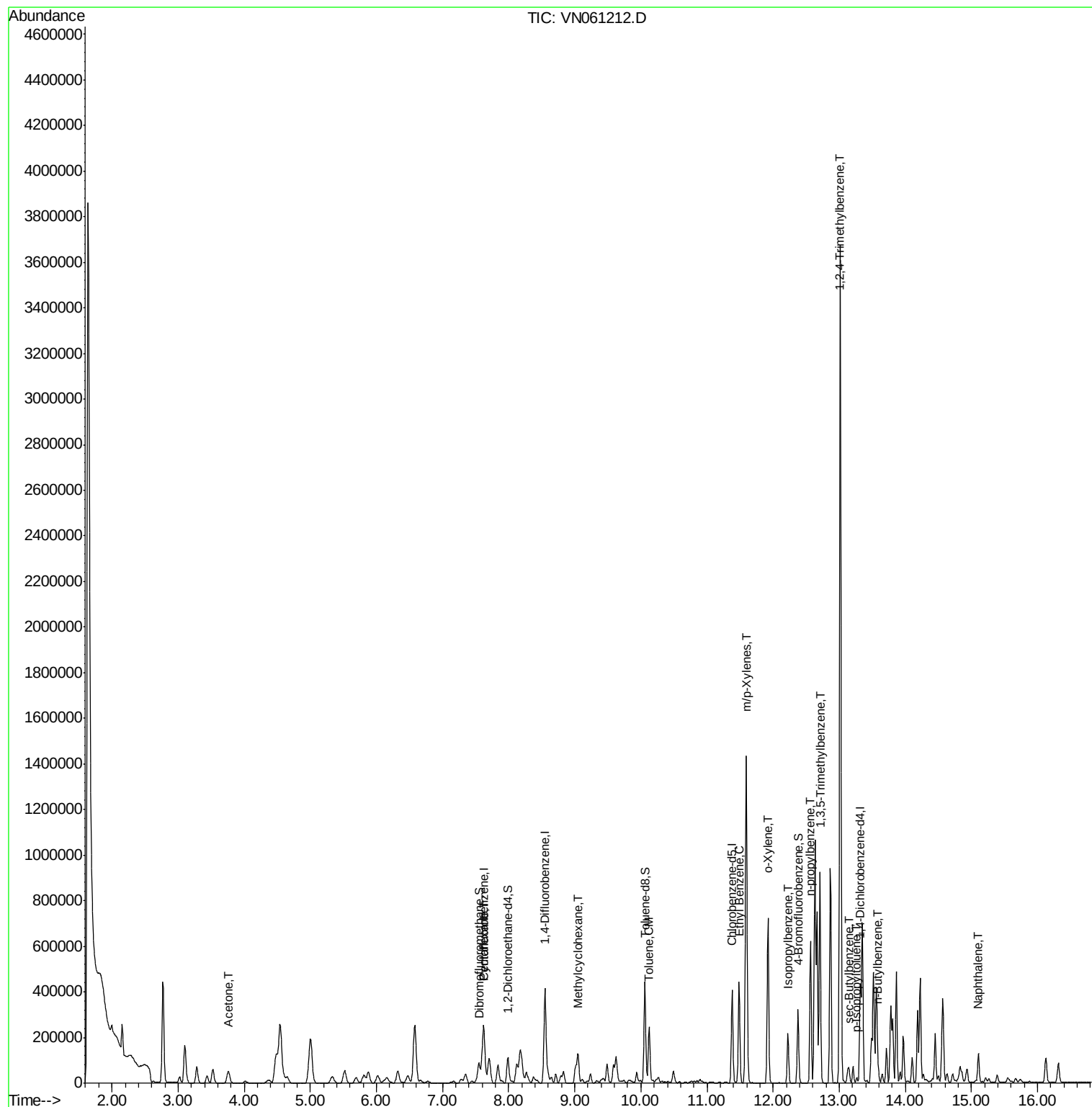
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061212.D
Acq On : 30 Apr 2020 19:24
Operator : JC/MD
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ALS Vial : 15 Sample Multiplier: 1

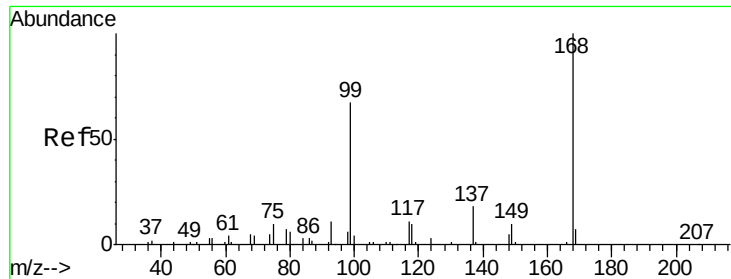
Instrument :
MSVOA_N
ClientSampleId :
MW-4

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Quant Time: May 01 05:36:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion:168 Resp: 130880

Ion Ratio Lower Upper

168 100

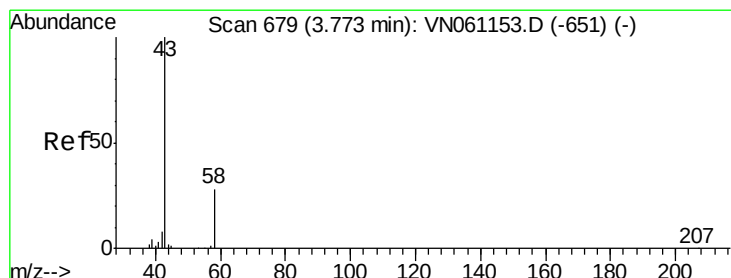
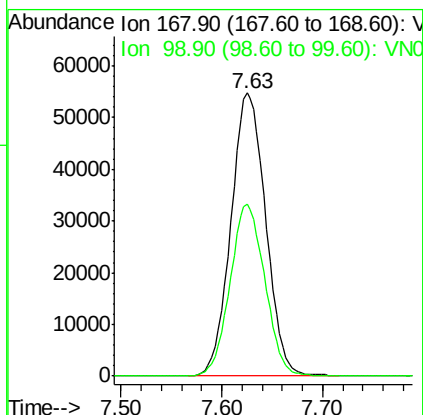
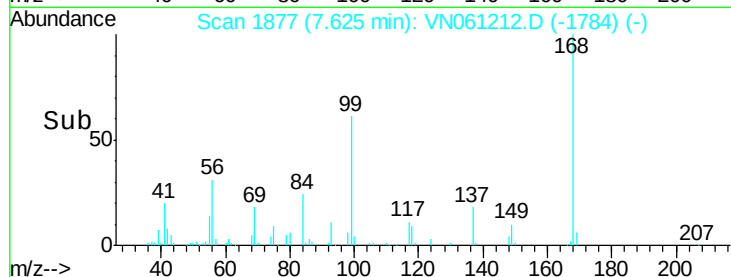
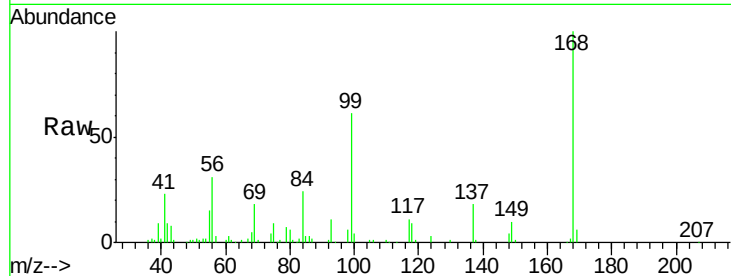
99 60.8 51.2 76.8

Manual Integrations

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#16

Acetone

Concen: 42.155 ug/l

RT: 3.76 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN061212.D

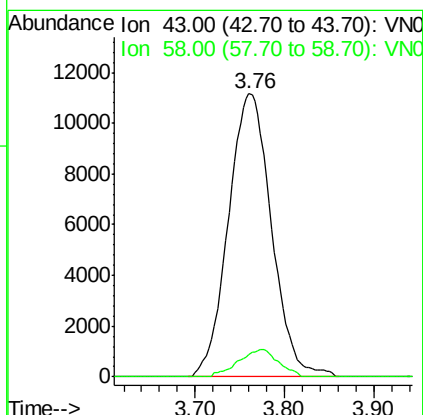
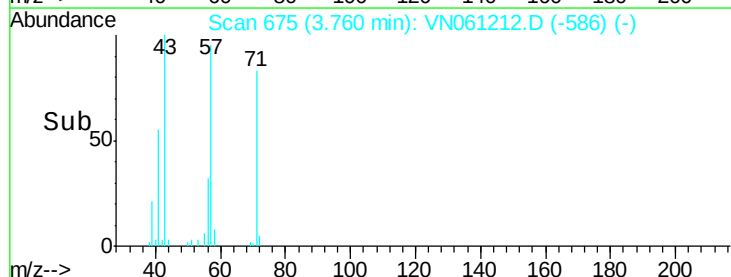
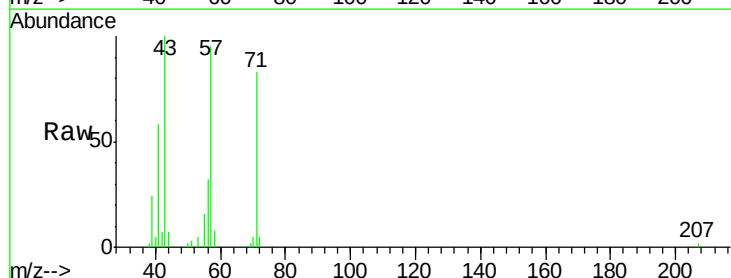
Acq: 30 Apr 2020 19:24

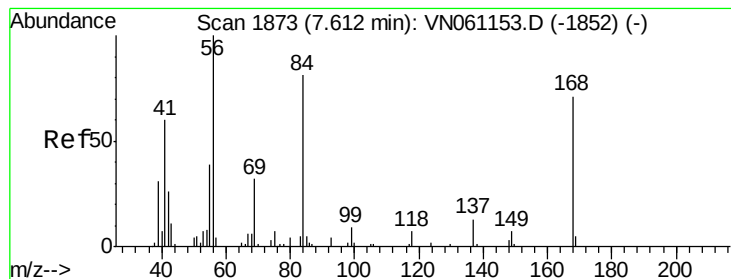
Tgt Ion: 43 Resp: 37442

Ion Ratio Lower Upper

43 100

58 7.9 22.2 33.2#





#31

Cyclohexane

Concen: 20.800 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Instrument :

MSVOA_N

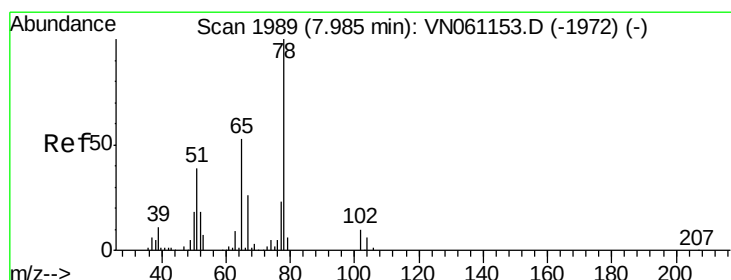
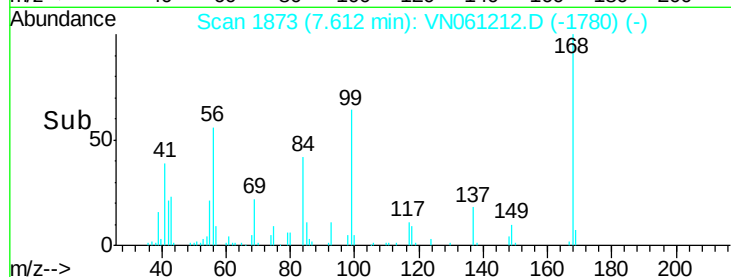
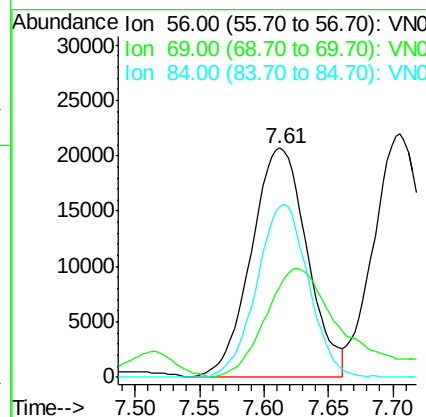
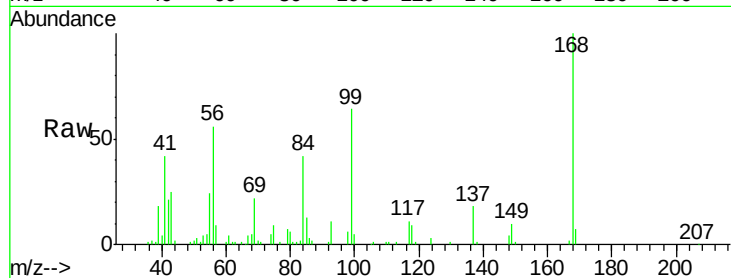
ClientSampled :

MW-4

Tot Ion:	56	Resp:	62664
Ion Ratio	Lower	Upper	
56	100		
69	37.2	25.7	38.5
84	74.4	64.6	97.0

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#33

1,2-Dichloroethane-d4

Concen: 45.821 ug/l

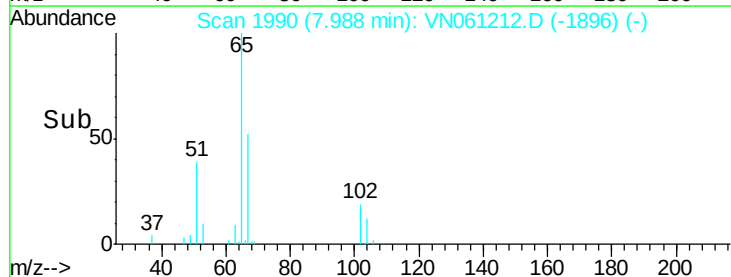
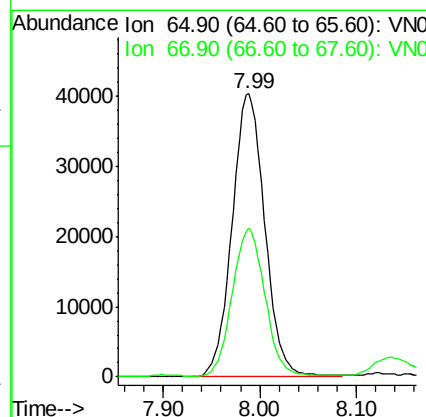
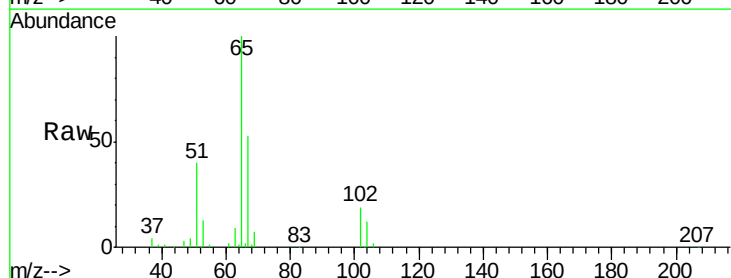
RT: 7.99 min Scan# 1990

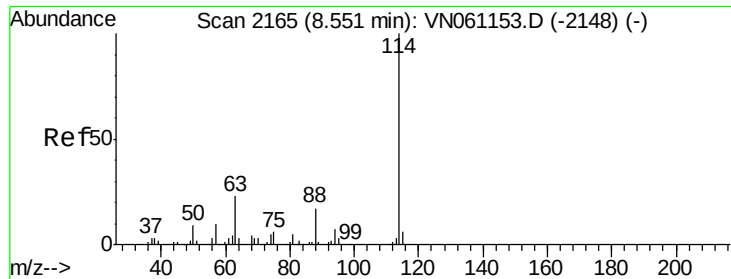
Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Tgt Ion:	65	Resp:	94892
Ion Ratio	Lower	Upper	
65	100		
67	52.8	0.0	101.6





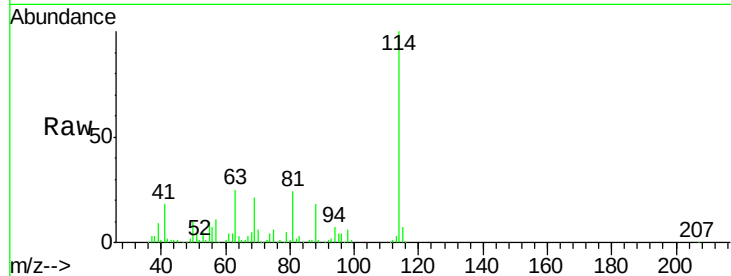
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061212.D
 Acq: 30 Apr 2020 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

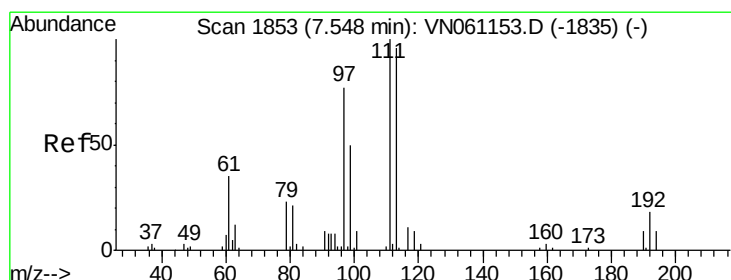
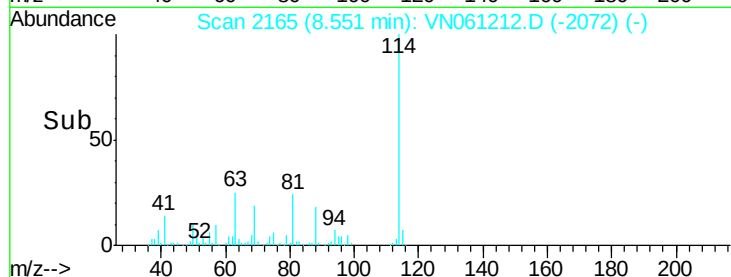
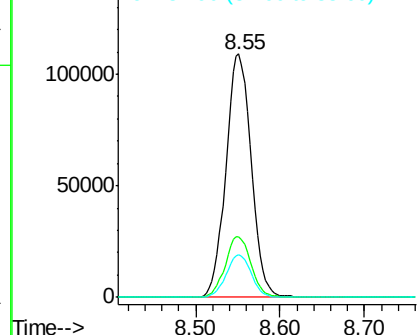
Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		227576		
63	24.7		0.0	46.6	
88	17.5		0.0	33.4	

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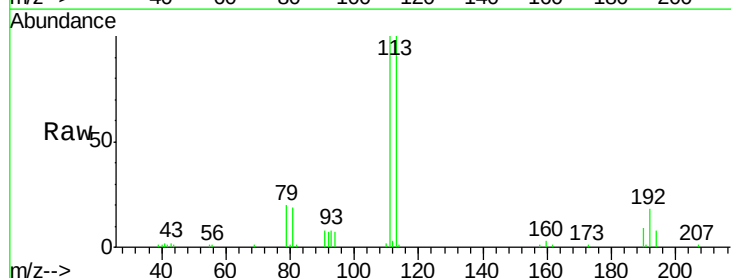


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

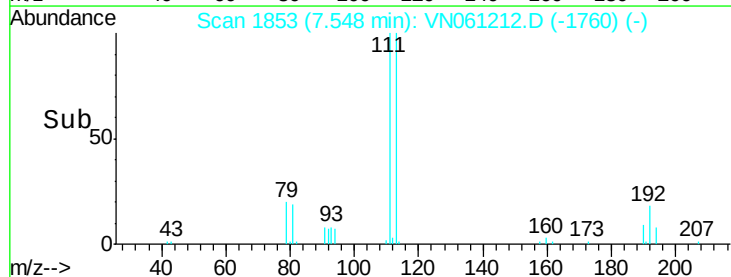
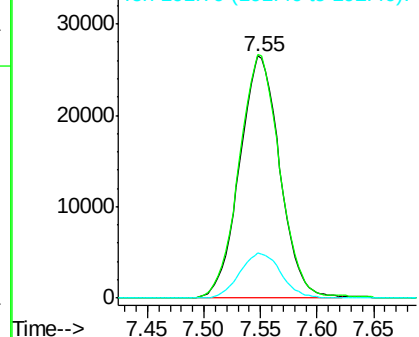


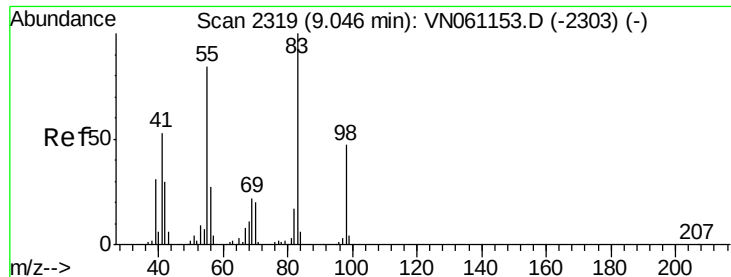
#35
 Dibromofluoromethane
 Concen: 48.804 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061212.D
 Acq: 30 Apr 2020 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		65676		
111	101.3		82.9	124.3	
192	18.9		14.7	22.1	



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





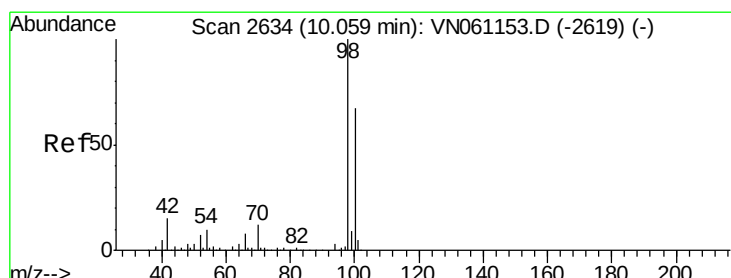
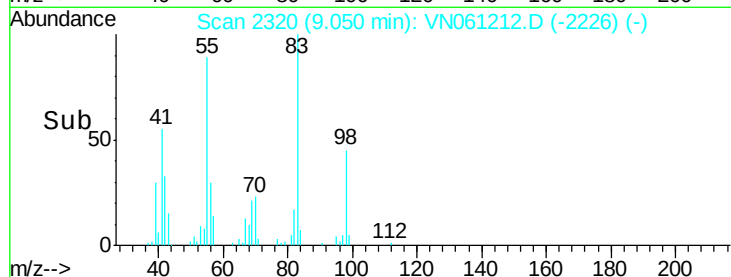
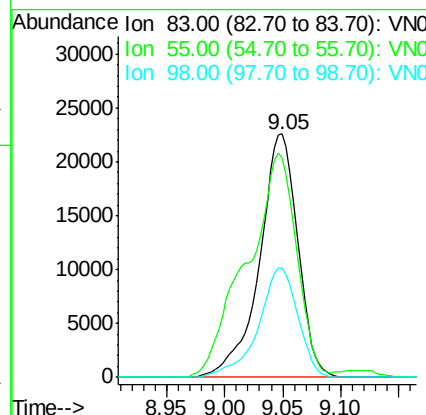
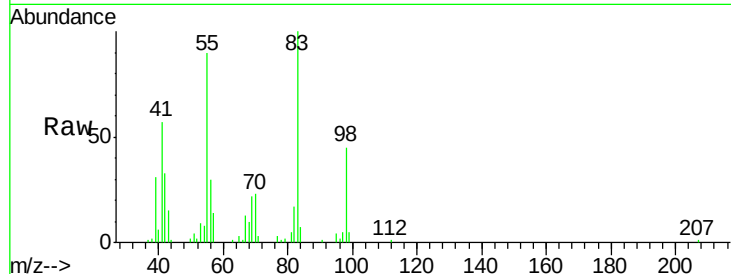
#39
Methylcyclohexane
Concen: 20.248 ug/l
RT: 9.05 min Scan# 2320
Delta R.T. 0.00 min
Lab File: VN061212.D
Acq: 30 Apr 2020 19:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	83	Resp	51730
Ion	Ratio	Lower	Upper
83	100		
55	89.1	67.3	100.9
98	44.9	37.7	56.5

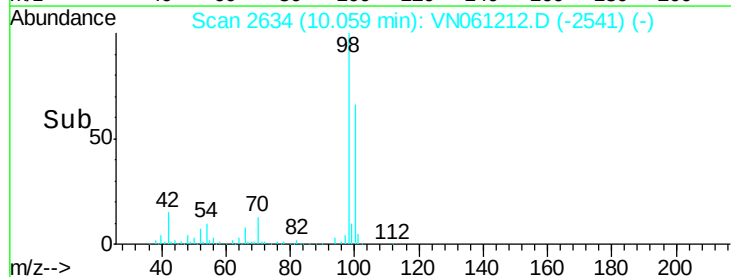
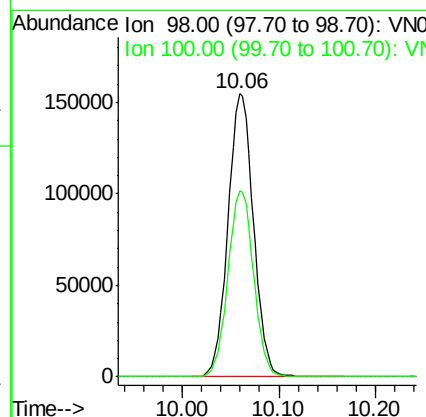
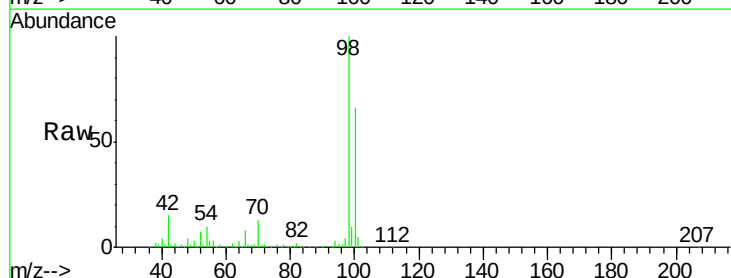
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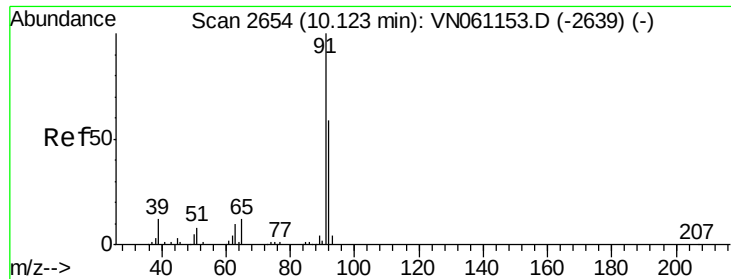
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#50
Toluene-d8
Concen: 51.574 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061212.D
Acq: 30 Apr 2020 19:24

Tgt Ion	98	Resp	282925
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.4	80.0





#52

Toluene

Concen: 25.444 ug/l

RT: 10.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion: 92 Resp: 104016

Ion Ratio Lower Upper

92 100

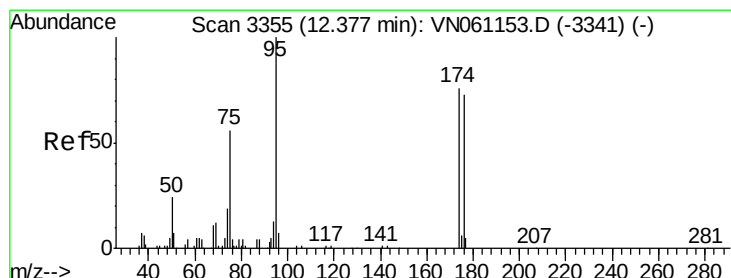
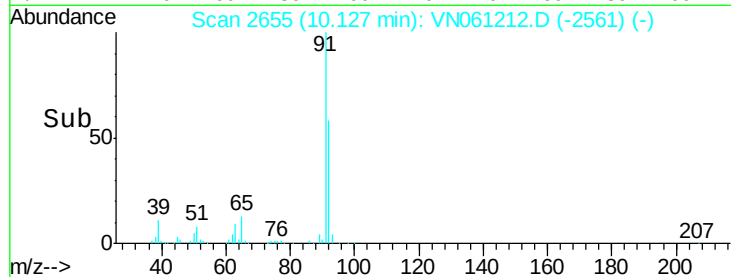
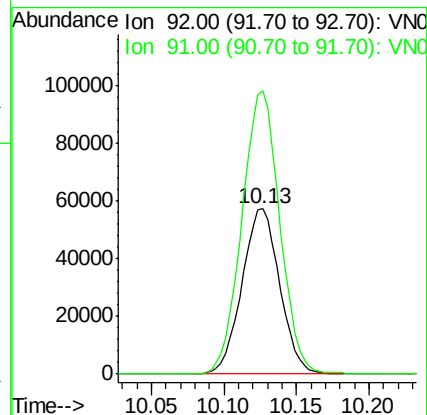
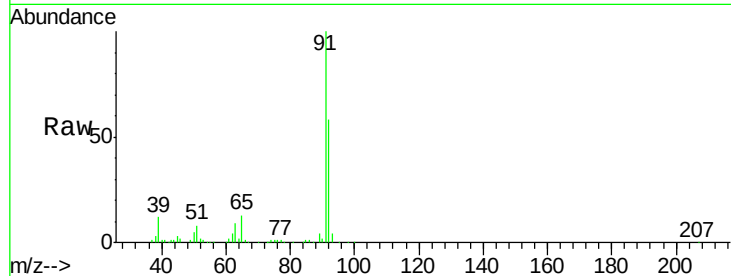
91 172.1 136.2 204.2

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#62

4-Bromofluorobenzene

Concen: 53.991 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

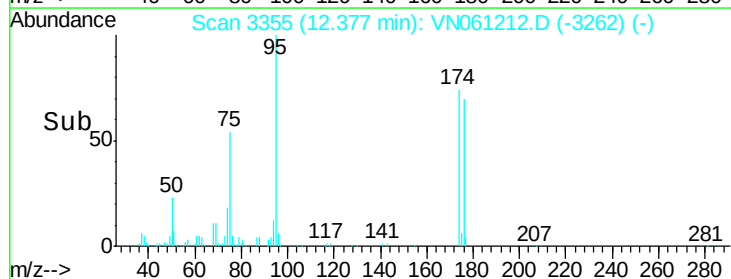
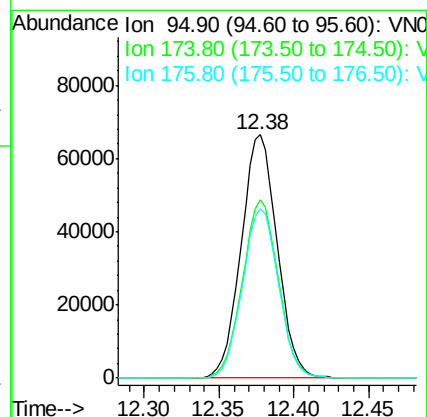
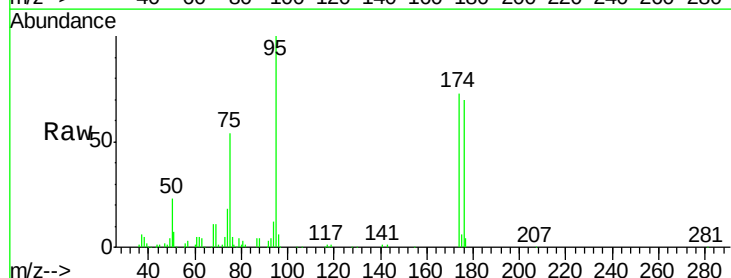
Tgt Ion: 95 Resp: 111460

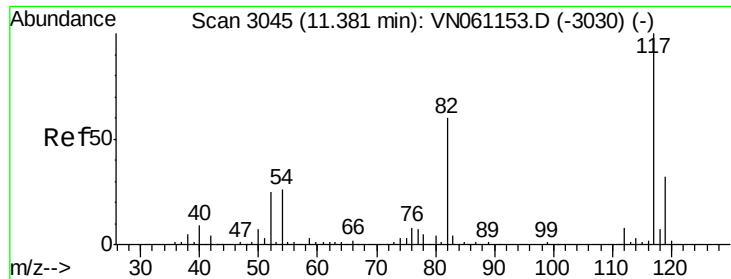
Ion Ratio Lower Upper

95 100

174 72.9 0.0 149.4

176 69.9 0.0 144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion:117 Resp: 217009

Ion Ratio Lower Upper

117 100

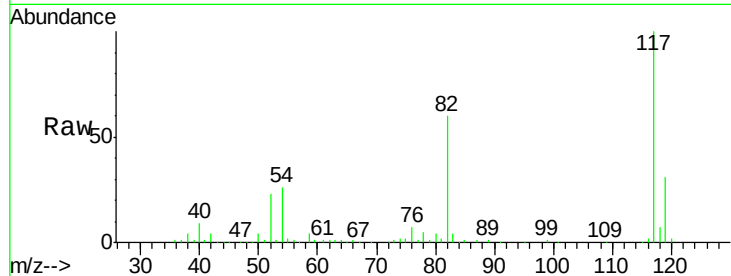
82 60.1 47.8 71.8

119 31.5 25.8 38.6

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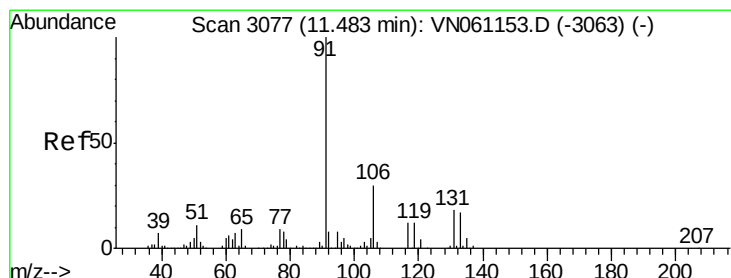
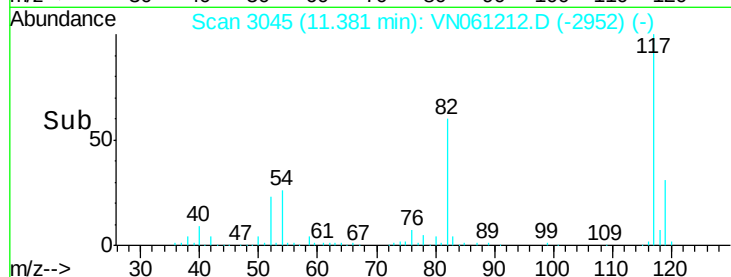
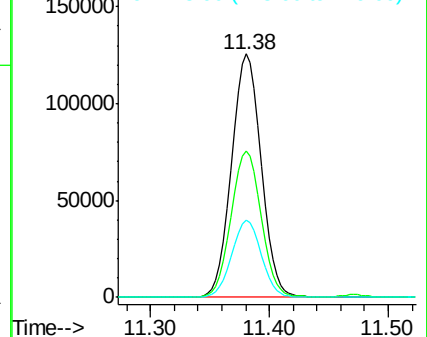
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 39.584 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061212.D

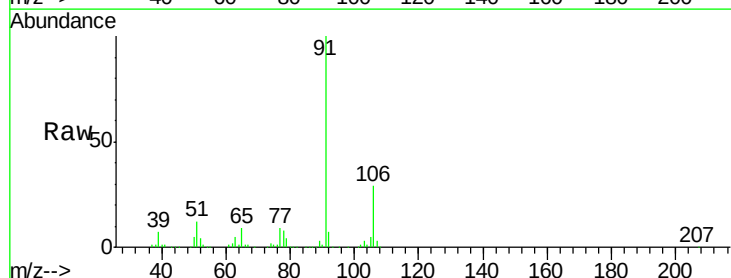
Acq: 30 Apr 2020 19:24

Tgt Ion: 91 Resp: 318980

Ion Ratio Lower Upper

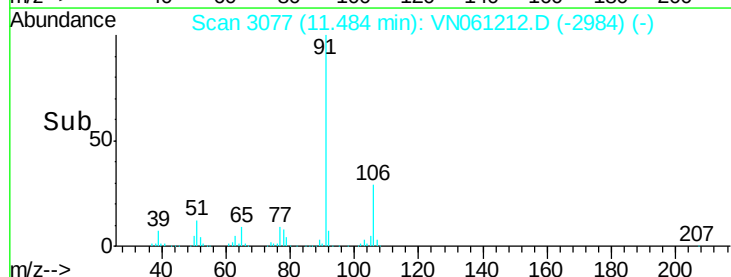
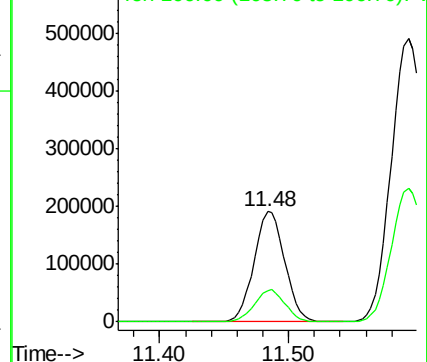
91 100

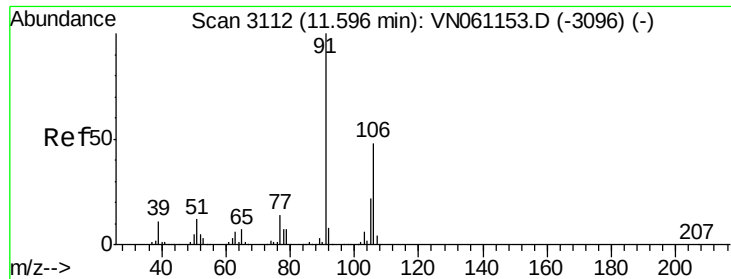
106 28.9 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





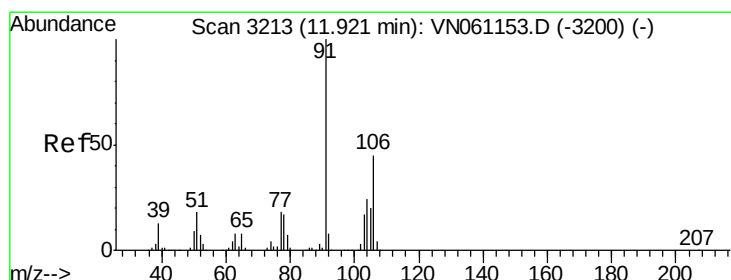
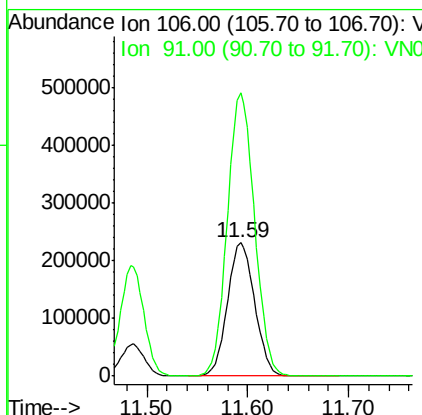
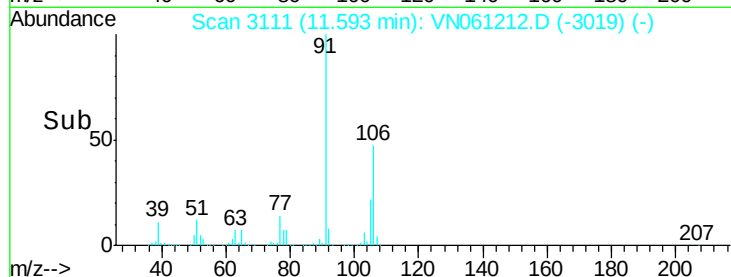
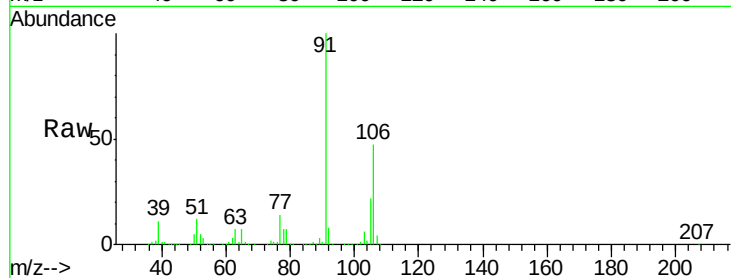
#68
m/p-Xylenes
Concen: 147.903 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061212.D
Acq: 30 Apr 2020 19:24

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.2	166.4	436256	249.6	

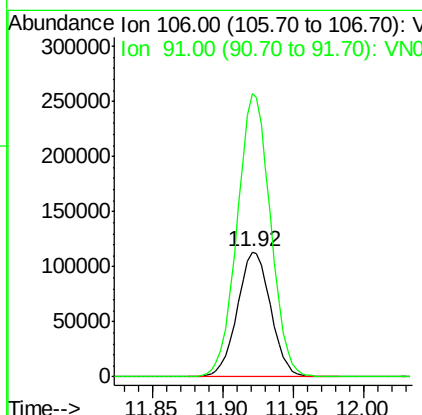
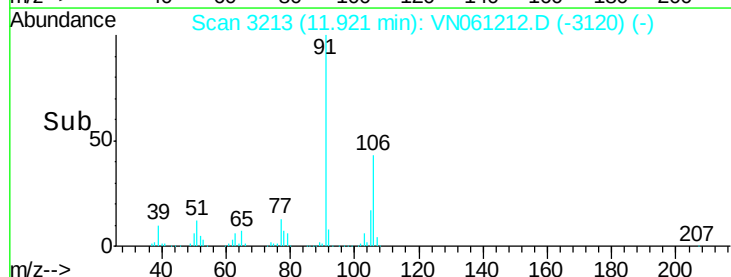
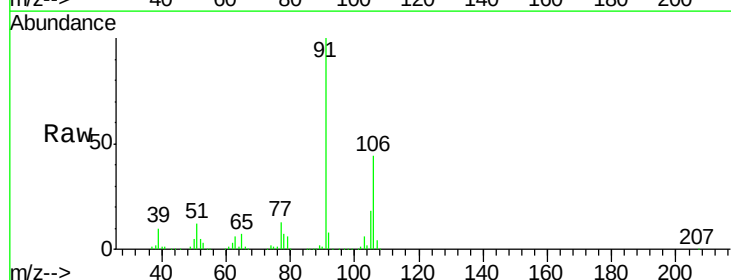
Manual Integrations
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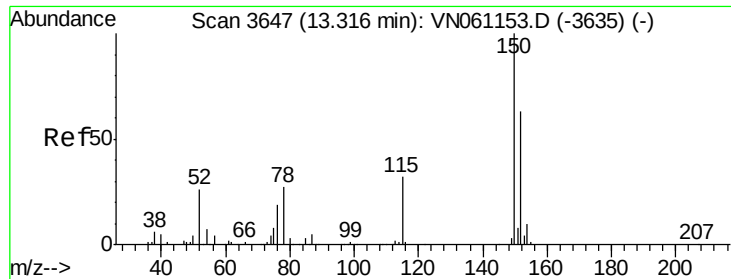
MMDadoda
5/1/2020 10:54:51 AM



#69
o-Xylene
Concen: 66.462 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061212.D
Acq: 30 Apr 2020 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.9	109.7	188308	329.0	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Instrument :

MSVOA_N

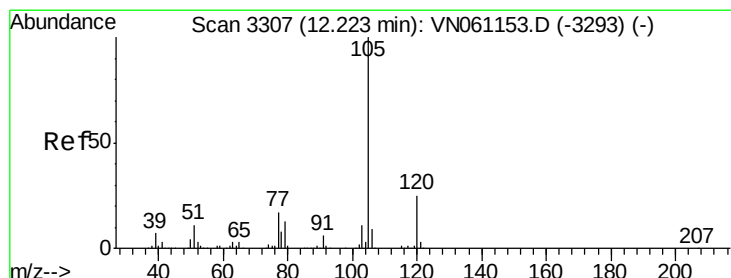
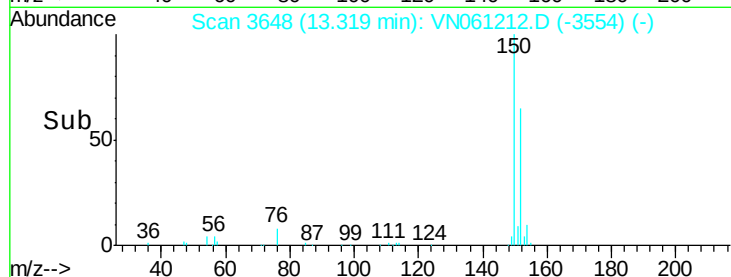
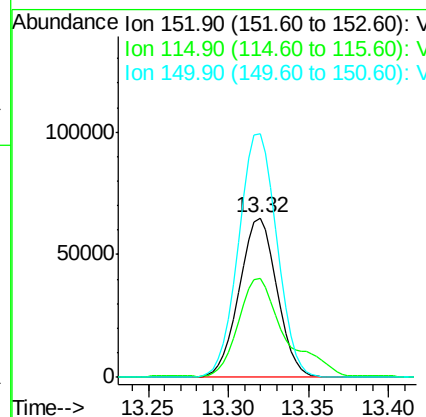
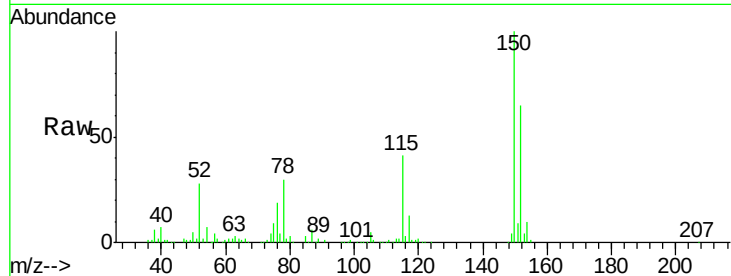
ClientSampled :

MW-4

Tot Ion:	152	Resp:	104159
Ion Ratio	Lower	Upper	
152	100		
115	75.4	31.0	93.0
150	155.8	0.0	351.8

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#73

Isopropylbenzene

Concen: 18.056 ug/l

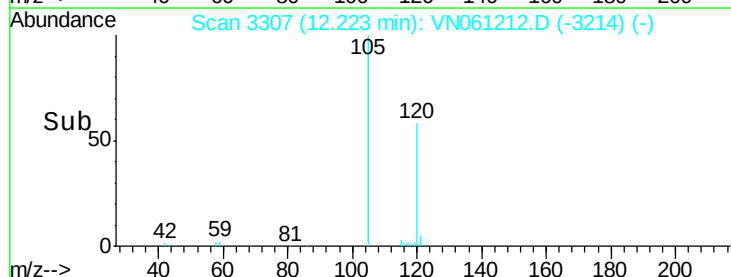
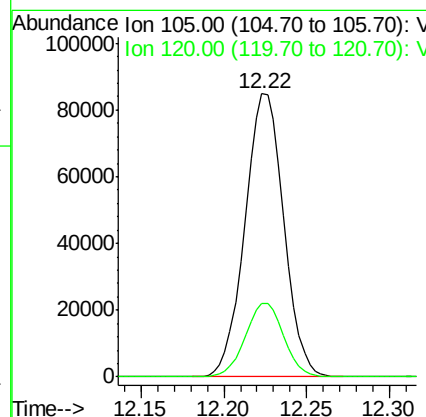
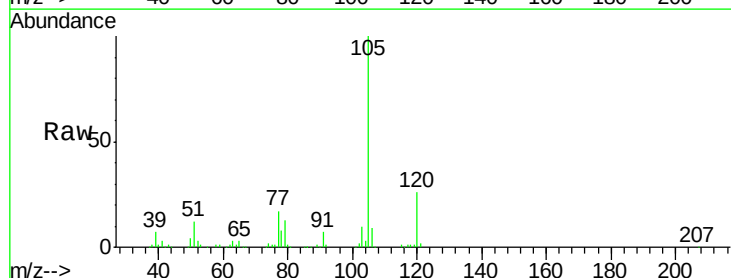
RT: 12.22 min Scan# 3307

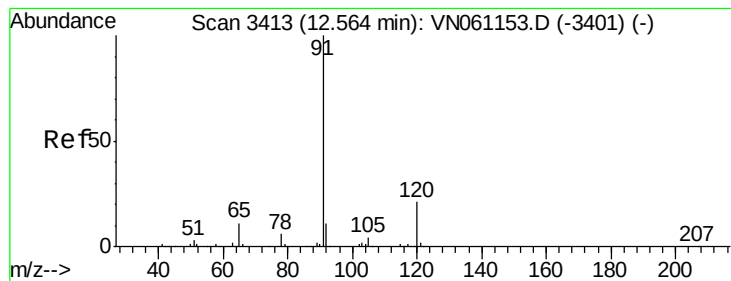
Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Tgt Ion:	105	Resp:	138262
Ion Ratio	Lower	Upper	
105	100		
120	25.8	12.6	37.8





#78

n-propylbenzene

Concen: 52.780 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061212.D

Acq: 30 Apr 2020 19:24

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion: 91 Resp: 479369

Ion Ratio Lower Upper

91 100

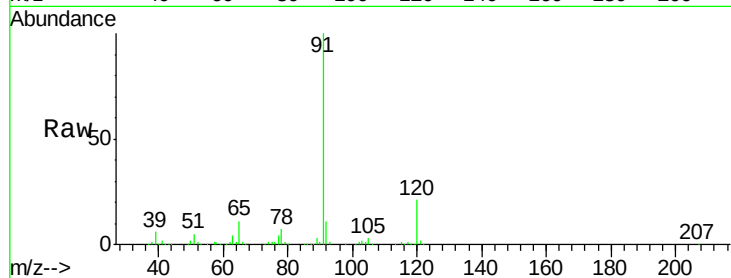
120 20.8 10.8 32.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3401) (-)

12.57

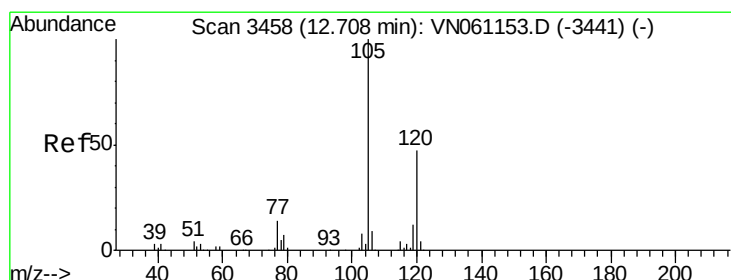
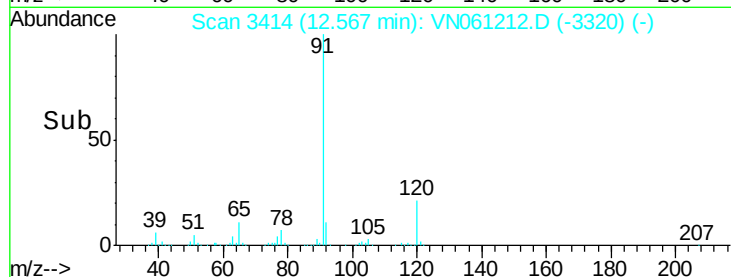
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 76.513 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061212.D

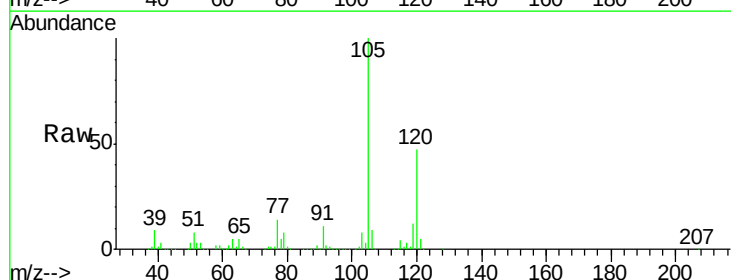
Acq: 30 Apr 2020 19:24

Tgt Ion:105 Resp: 484905

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

12.71

400000

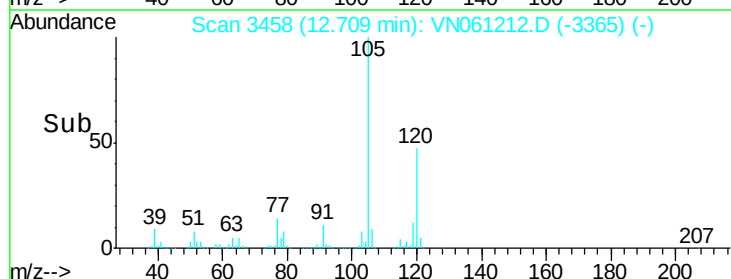
300000

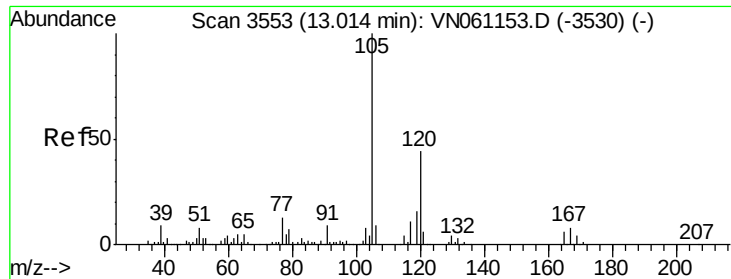
200000

100000

0

Time-->





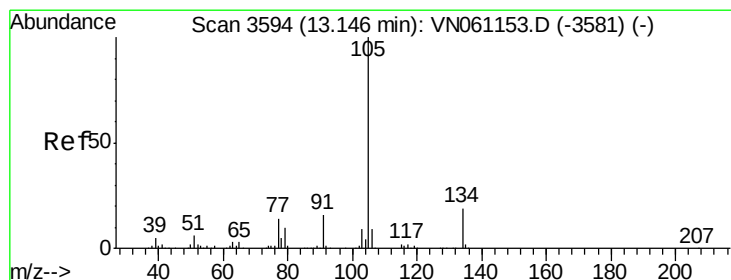
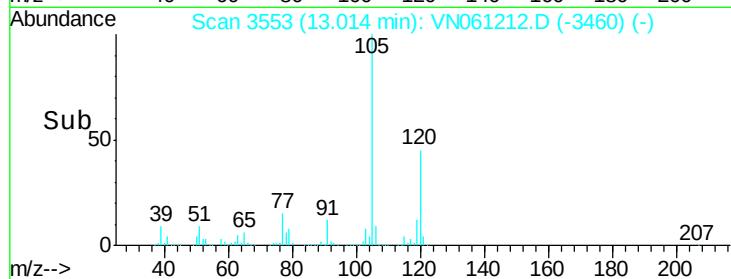
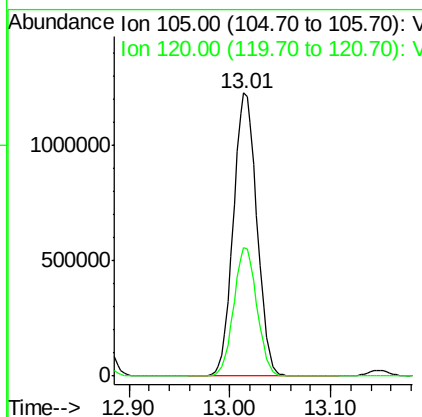
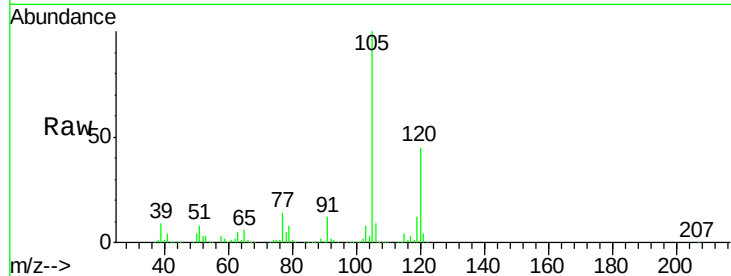
#84
 1,2,4-Trimethylbenzene
 Concen: 305.662 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061212.D
 Acq: 30 Apr 2020 19:24

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion:105 Resp: 1995795
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.2 66.6

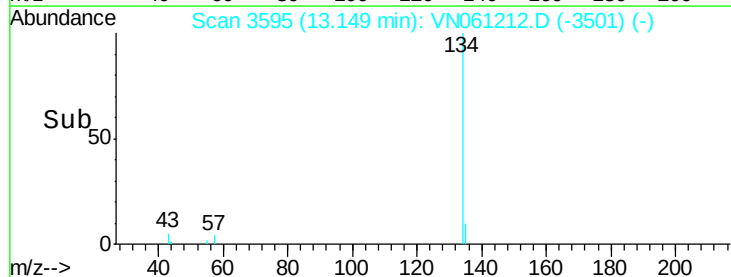
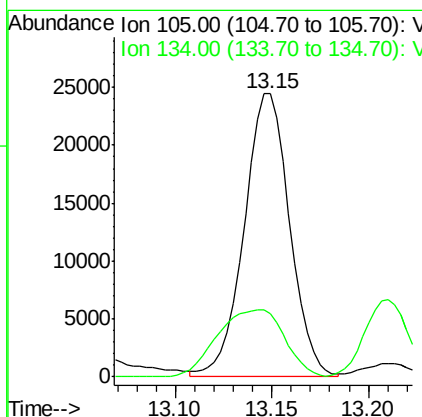
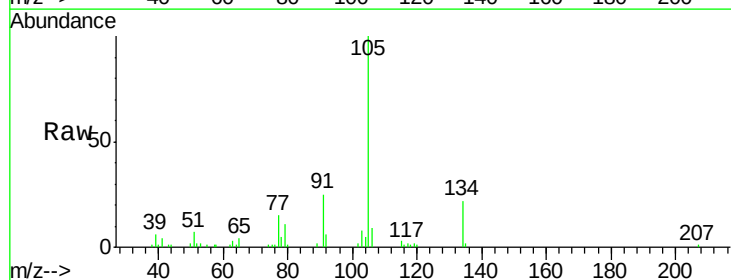
Manual Integrations
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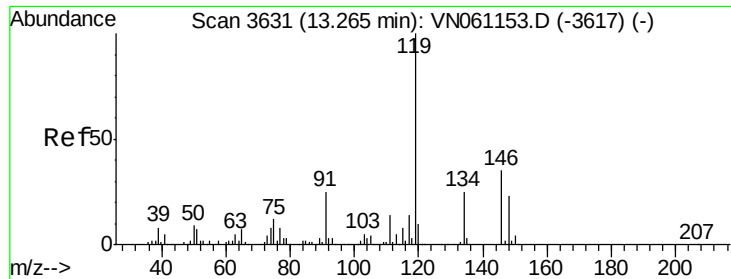
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 5.519 ug/l m
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VN061212.D
 Acq: 30 Apr 2020 19:24

Tgt Ion:105 Resp: 40208
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8#





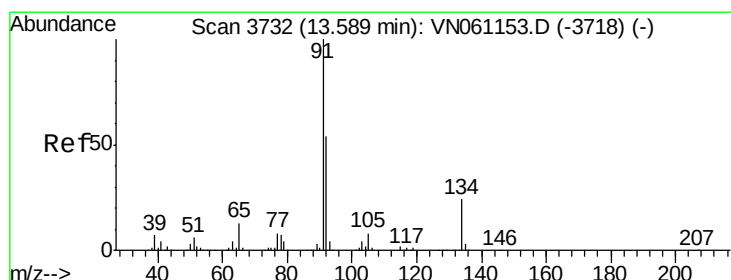
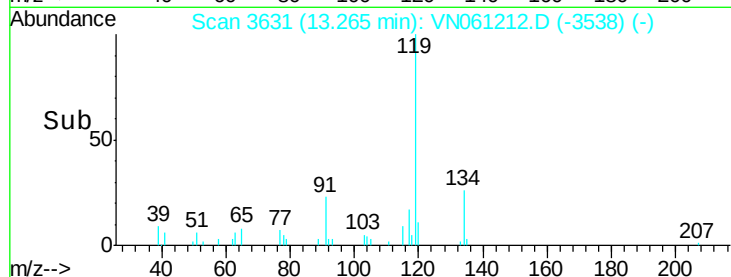
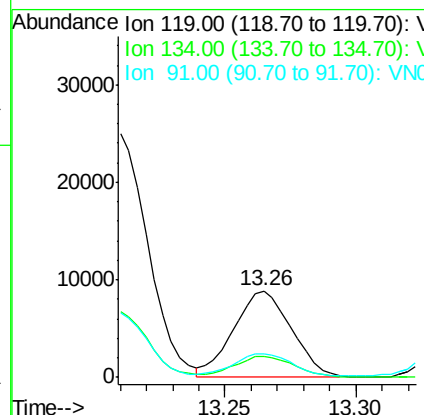
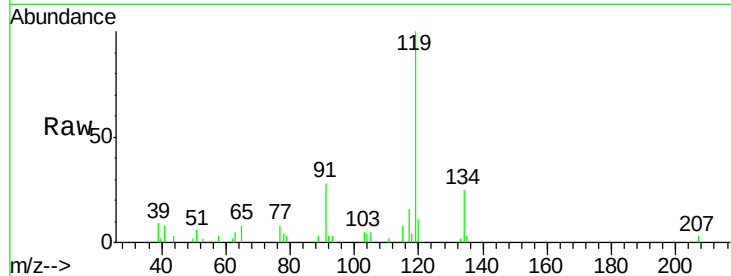
#86
 p-Isopropyltoluene
 Concen: 2.056 ug/l m
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061212.D
 Acq: 30 Apr 2020 19:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
119	100		
134	77.6	12.6	37.6#
91	71.6	12.7	38.0#

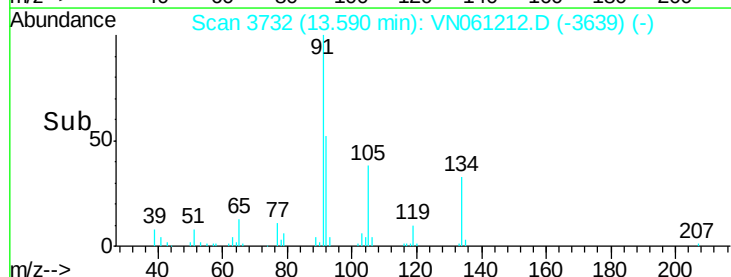
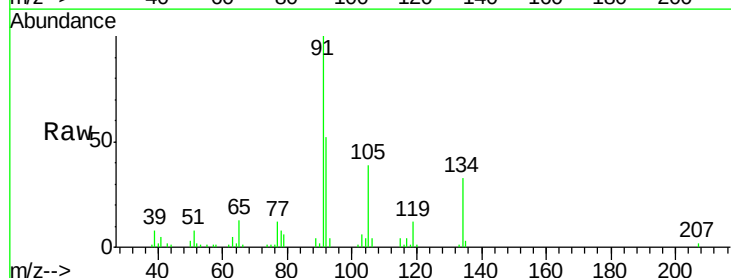
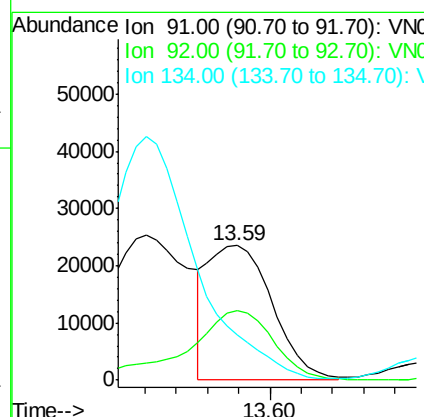
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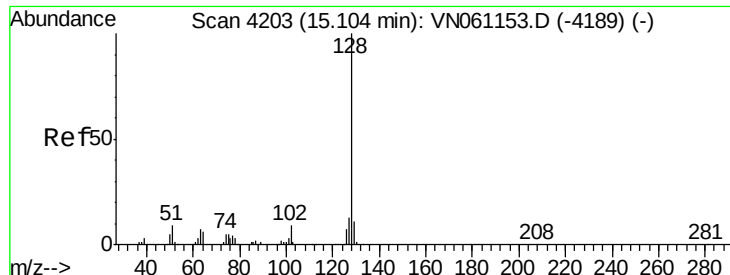
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#89
 n-Butylbenzene
 Concen: 5.594 ug/l m
 RT: 13.59 min Scan# 3732
 Delta R.T. 0.00 min
 Lab File: VN061212.D
 Acq: 30 Apr 2020 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.3#
134	236.9	11.9	35.5#





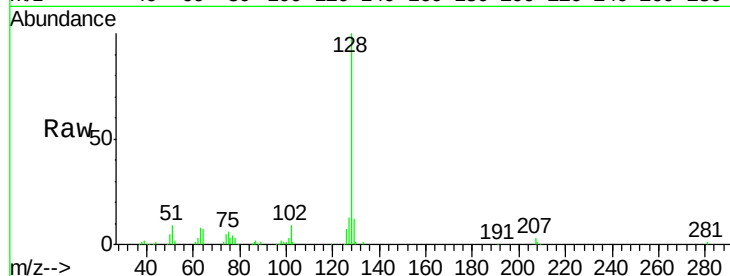
#95
Naphthalene
Concen: 16.308 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061212.D
Acq: 30 Apr 2020 19:24

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.3	8.7	13.1

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

