

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
 Data File : VN061213.D
 Acq On : 30 Apr 2020 19:47
 Operator : JC/MD
 Sample : L2453-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Manual Integrations
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 5/1/2020 10:54:55 AM

Quant Time: May 01 05:31:55 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	129010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	229014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	215485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	95802	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
35) Dibromofluoromethane	7.55	113	65908	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
50) Toluene-d8	10.06	98	286372	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.38	95	111055	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
Target Compounds						
					Qvalue	
16) Acetone	3.77	43	21883	22.695	ug/l #	83
31) Cyclohexane	7.61	56	41912	14.113	ug/l #	92
39) Methylcyclohexane	9.05	83	15603	6.069	ug/l	95
52) Toluene	10.12	92	42975	10.446	ug/l	100
67) Ethyl Benzene	11.48	91	61421	7.676	ug/l	100
68) m/p-Xylenes	11.60	106	143424	48.969	ug/l	98
69) o-Xylene	11.92	106	91090	32.377	ug/l	95
73) Isopropylbenzene	12.22	105	83125	11.141	ug/l	99
78) n-propylbenzene	12.57	91	134992	15.253	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	173497	28.095	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1266097	198.998	ug/l	99
85) sec-Butylbenzene	13.15	105	6856m	0.966	ug/l	
86) p-Isopropyltoluene	13.26	119	2600m	0.406	ug/l	
89) n-Butylbenzene	13.59	91	4817m	0.821	ug/l	
95) Naphthalene	15.11	128	126973	21.059	ug/l	100

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

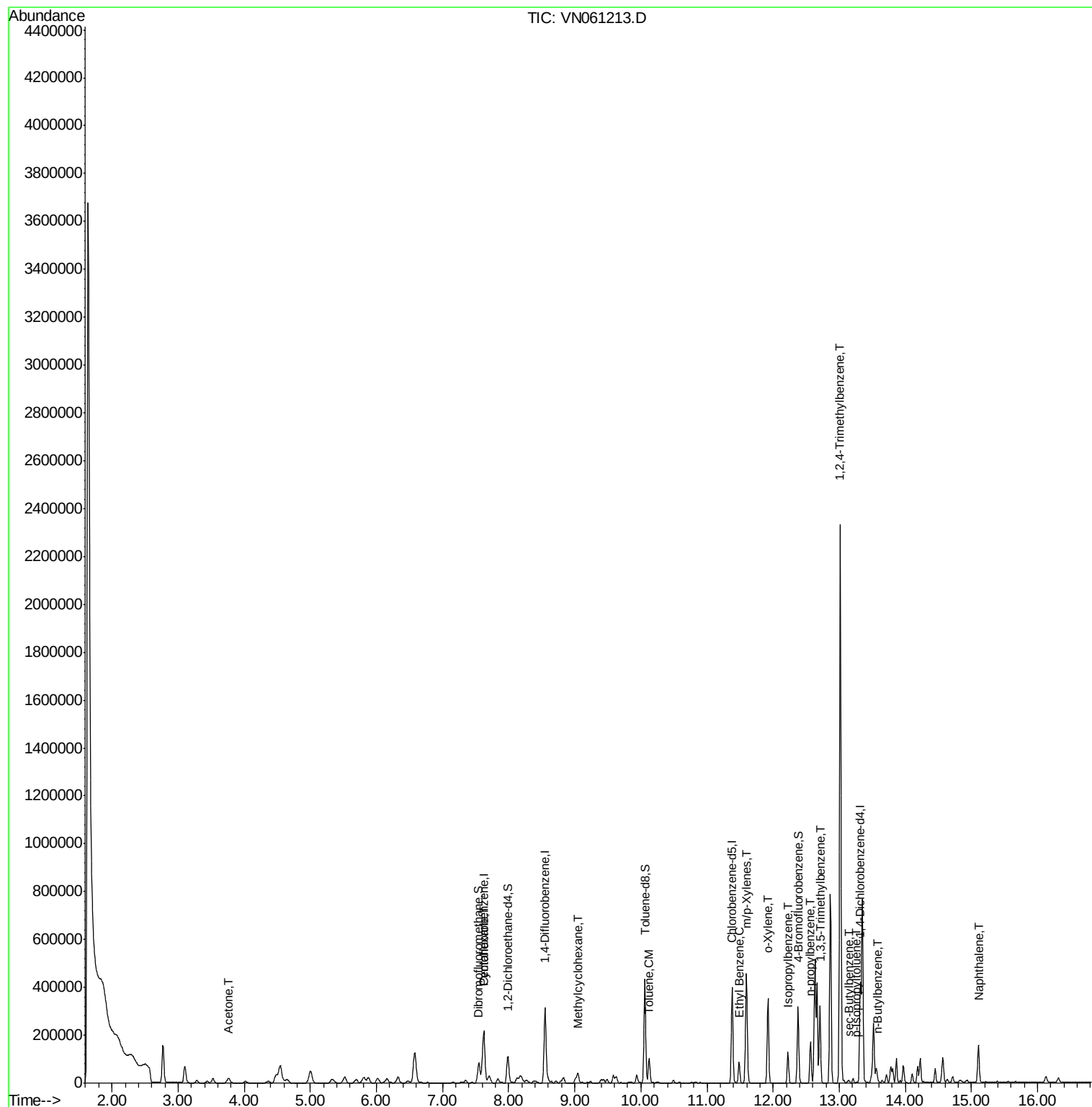
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061213.D
Acq On : 30 Apr 2020 19:47
Operator : JC/MD
Sample : L2453-05
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ALS Vial : 16 Sample Multiplier: 1

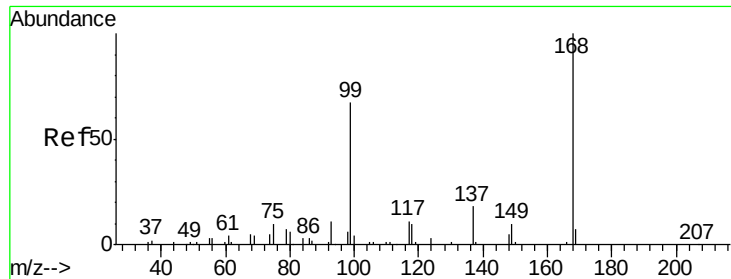
Instrument :
MSVOA_N
ClientSampleId :
MW-5

Manual Integrations
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5/1/2020 10:54:55 AM

Quant Time: May 01 05:31:55 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: VN061213.D

Acq: 30 Apr 2020 19:47

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion:168 Resp: 129010

Ion Ratio Lower Upper

168 100

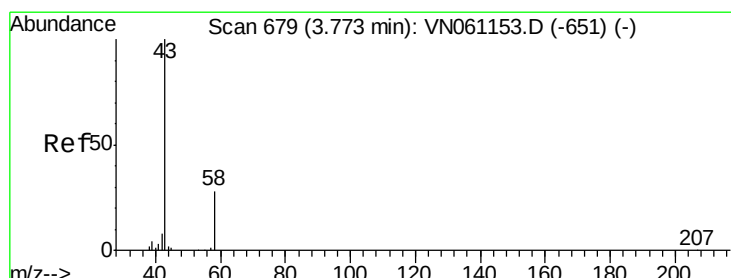
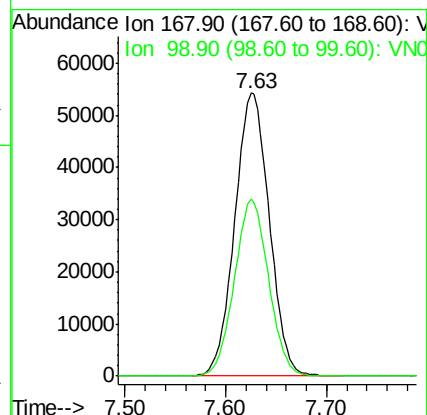
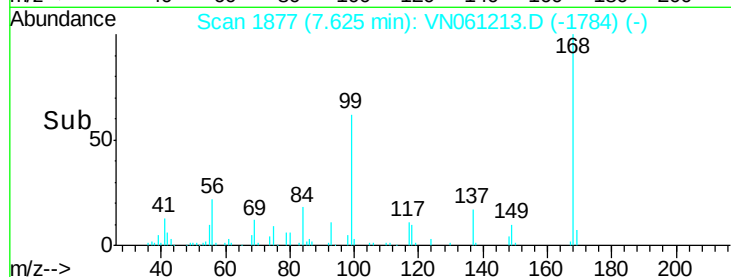
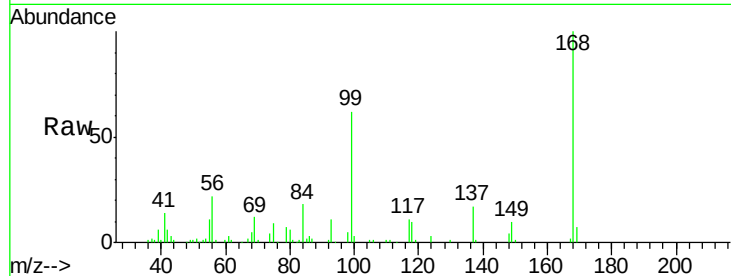
99 62.4 51.2 76.8

Manual Integrations

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#16

Acetone

Concen: 22.695 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061213.D

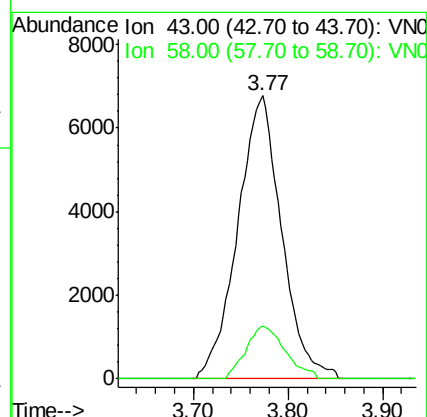
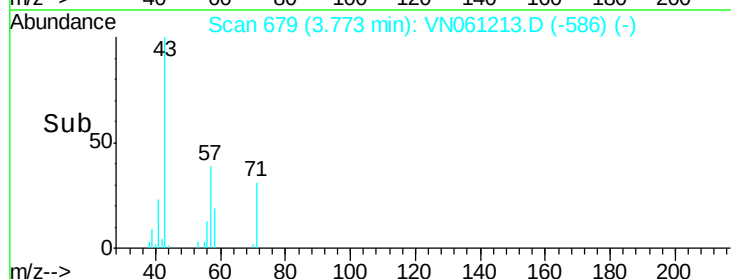
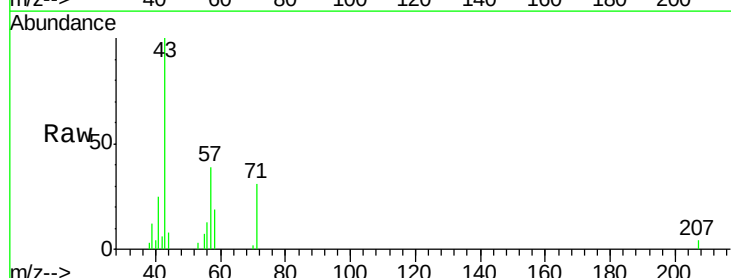
Acq: 30 Apr 2020 19:47

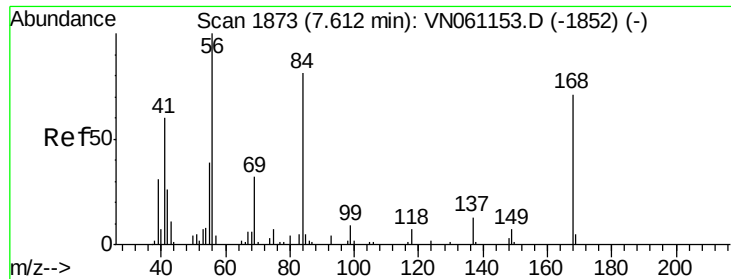
Tgt Ion: 43 Resp: 21883

Ion Ratio Lower Upper

43 100

58 18.8 22.2 33.2#





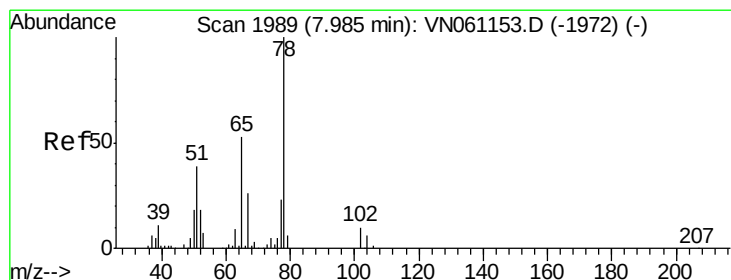
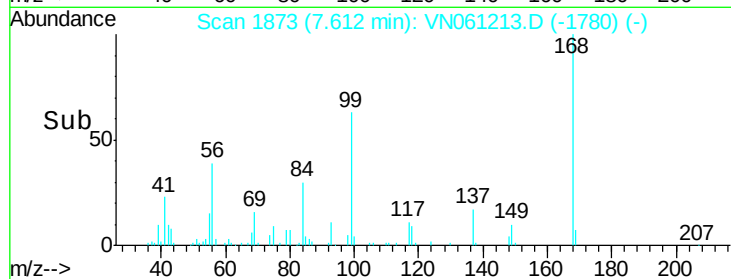
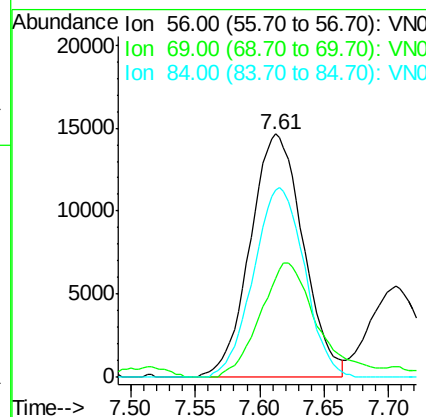
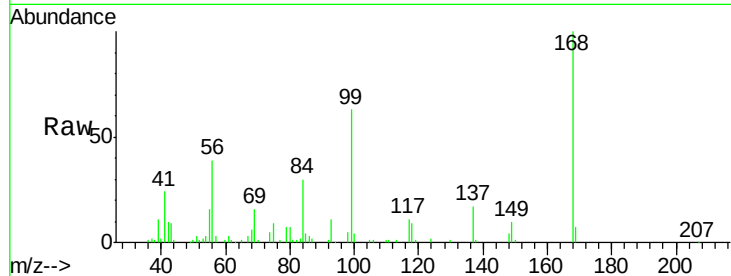
#31
Cyclohexane
Concen: 14.113 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.9	25.7	38.5#
84	77.0	64.6	97.0

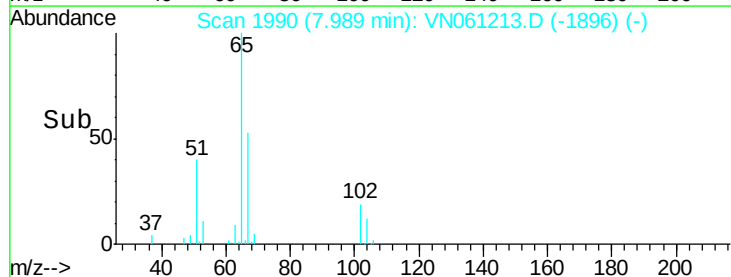
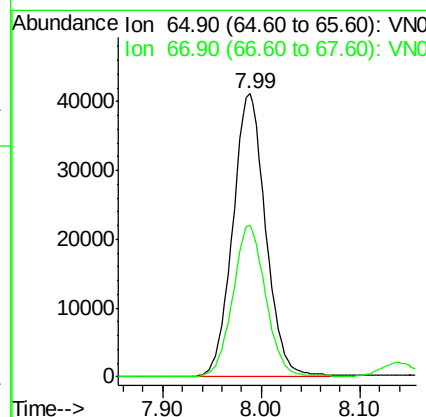
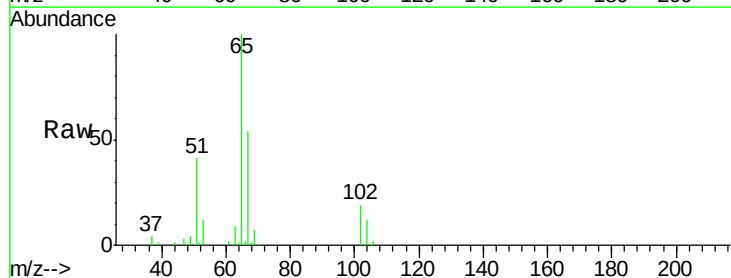
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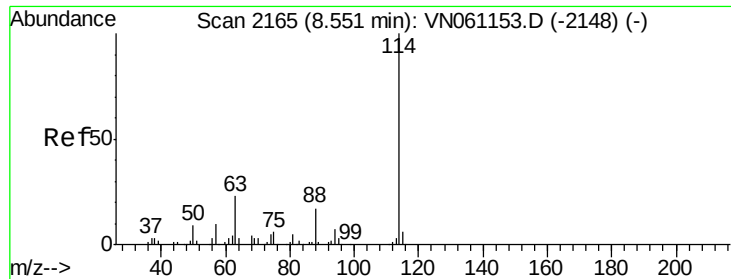
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#33
1,2-Dichloroethane-d4
Concen: 46.931 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	101.6





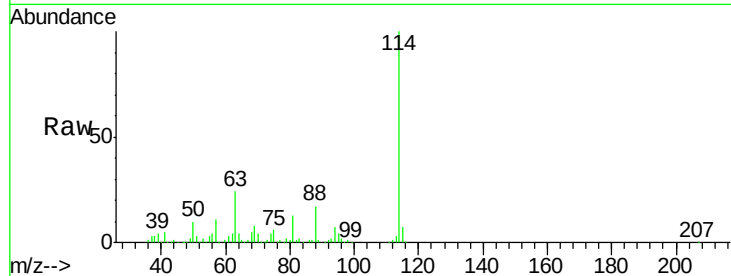
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061213.D
 Acq: 30 Apr 2020 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

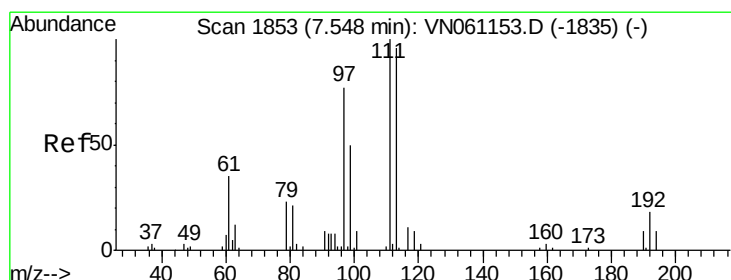
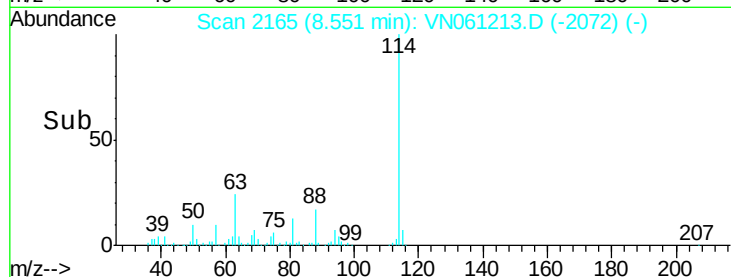
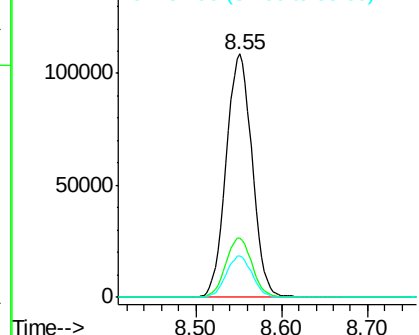
Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		229014		
63	24.5	0.0	46.6		
88	17.1	0.0	33.4		

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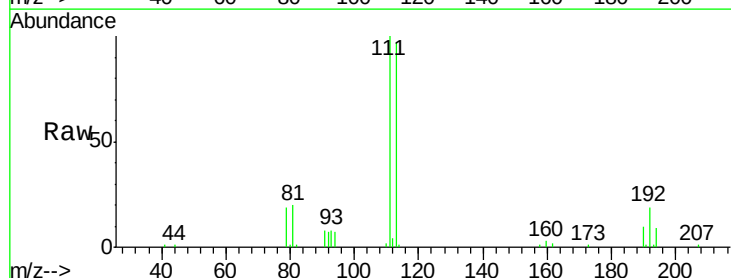


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

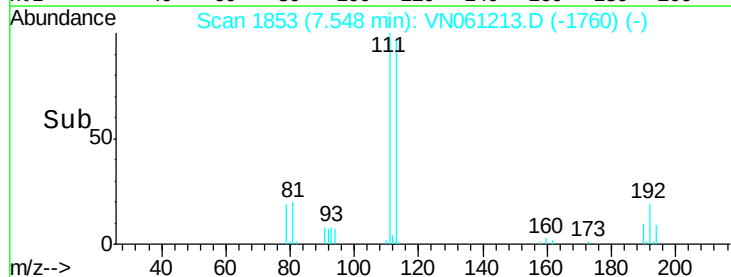
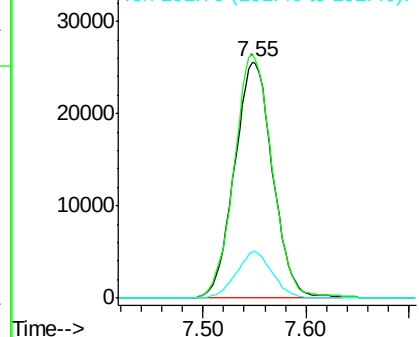


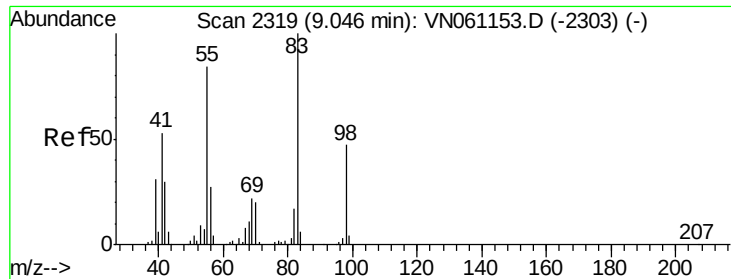
#35
 Dibromofluoromethane
 Concen: 48.669 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061213.D
 Acq: 30 Apr 2020 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		65908		
111	102.3	82.9	124.3		
192	18.5	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





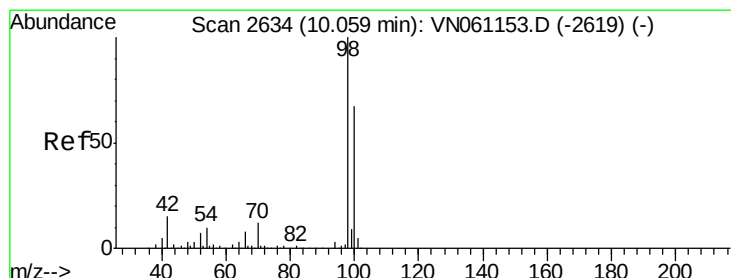
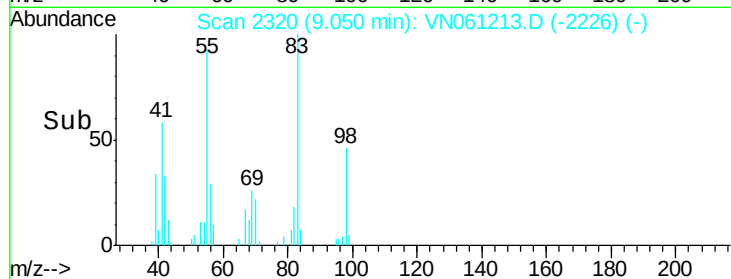
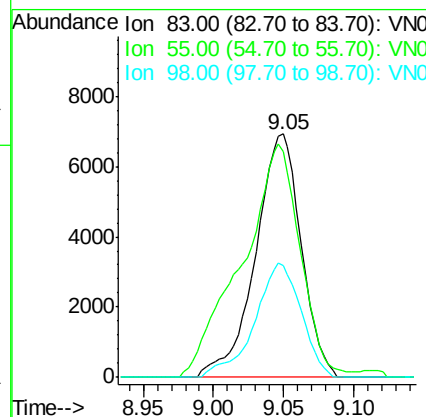
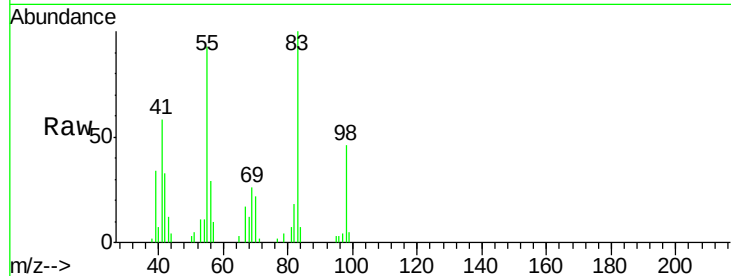
#39
Methylcyclohexane
Concen: 6.069 ug/l
RT: 9.05 min Scan# 2320
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.2	67.3	100.9
98	45.8	37.7	56.5

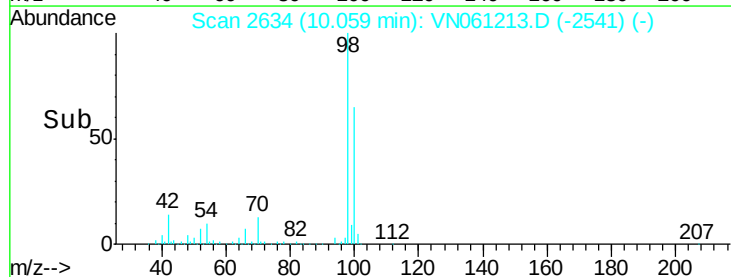
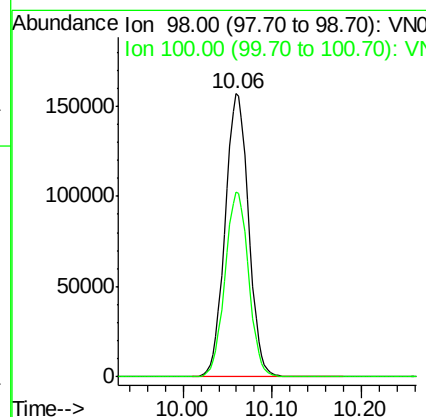
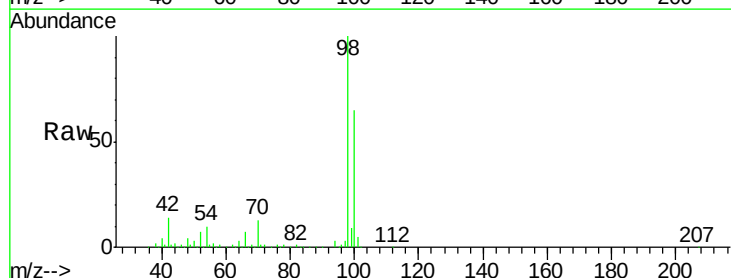
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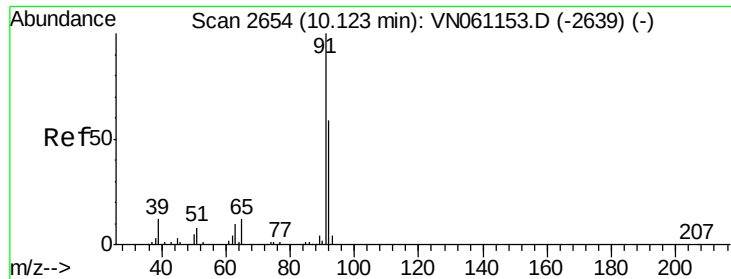
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#50
Toluene-d8
Concen: 51.874 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.4	80.0





#52

Toluene

Concen: 10.446 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061213.D

Acq: 30 Apr 2020 19:47

Instrument :

MSVOA_N

ClientSampleId :

MW-5

Tot Ion: 92 Resp: 42975

Ion Ratio Lower Upper

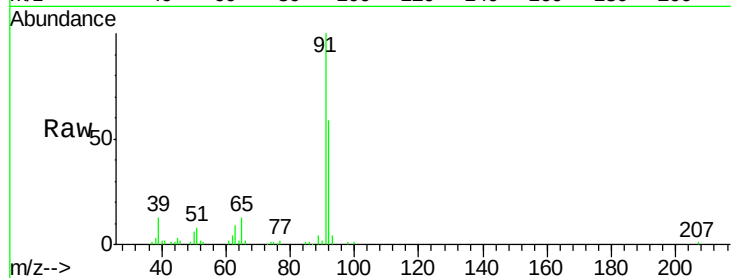
92 100

91 170.4 136.2 204.2

Manual Integrations
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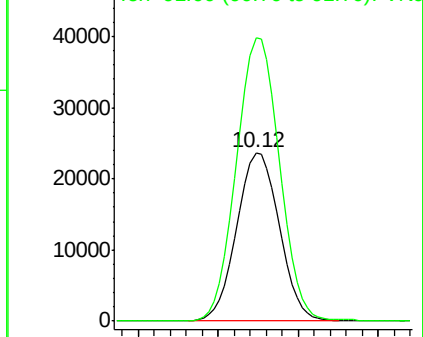
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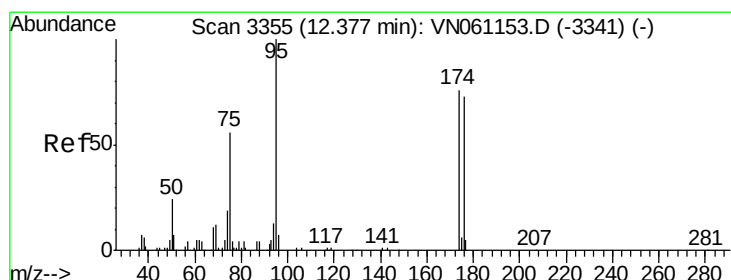
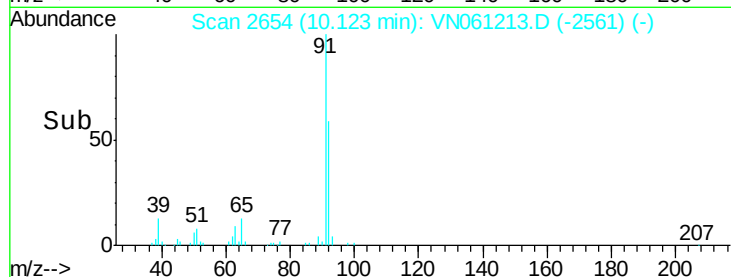


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#62

4-Bromofluorobenzene

Concen: 53.457 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061213.D

Acq: 30 Apr 2020 19:47

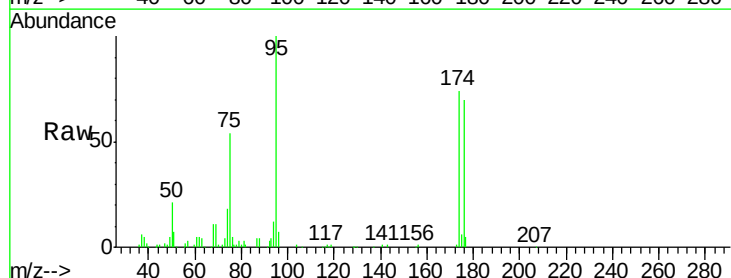
Tgt Ion: 95 Resp: 111055

Ion Ratio Lower Upper

95 100

174 72.8 0.0 149.4

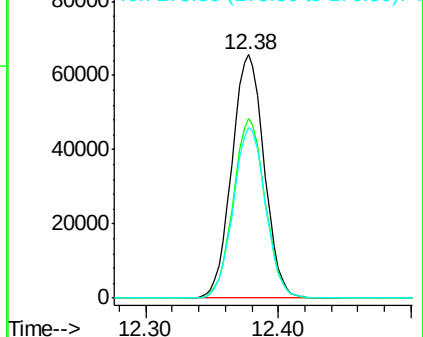
176 69.8 0.0 144.8



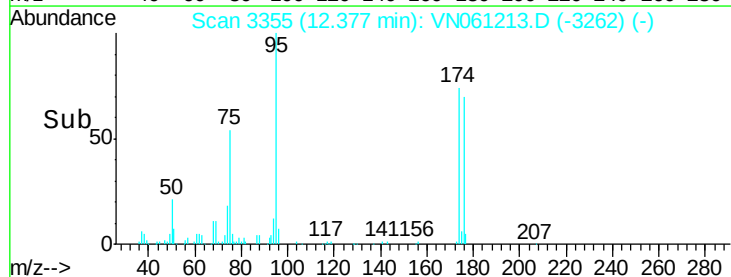
Abundance Ion 94.90 (94.60 to 95.60): VN0

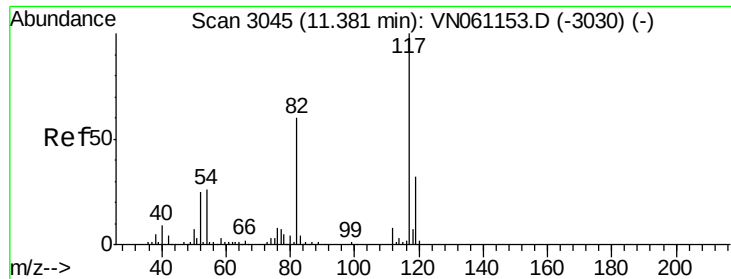
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





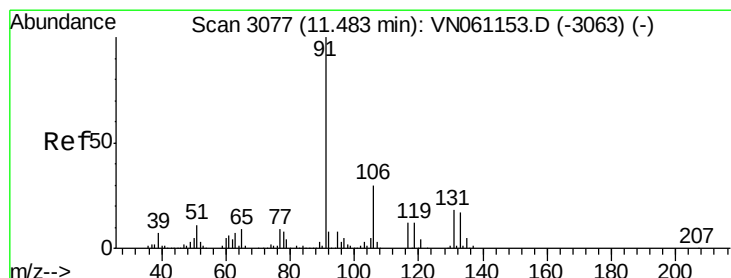
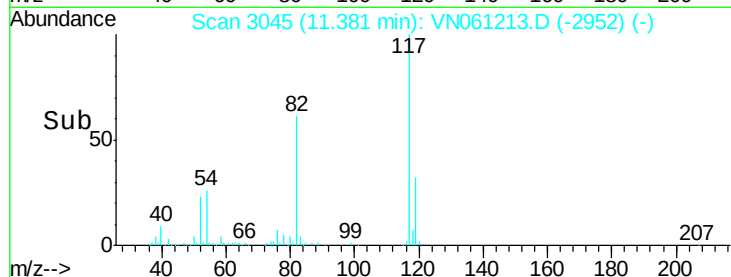
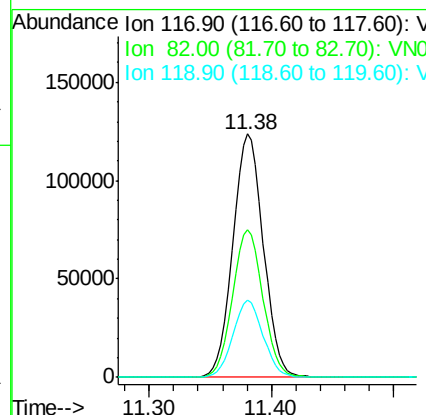
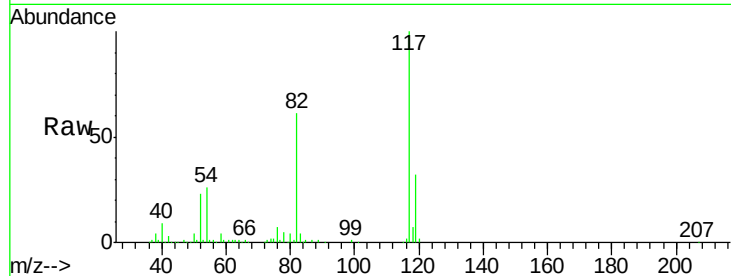
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.8	71.8
119	31.6	25.8	38.6

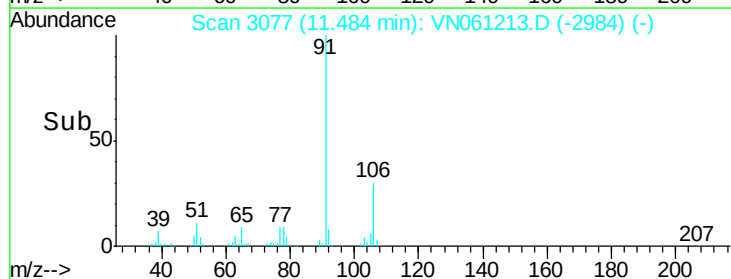
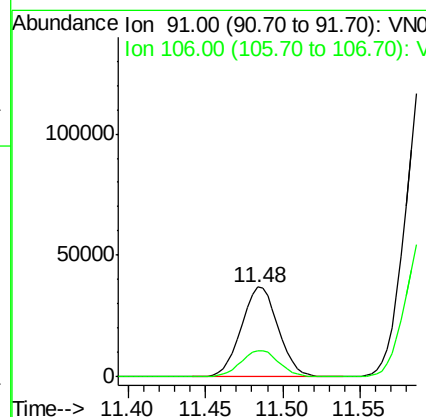
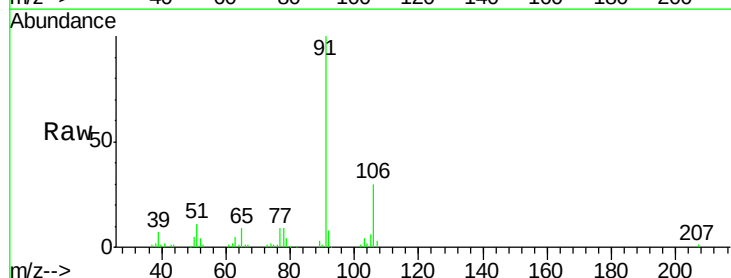
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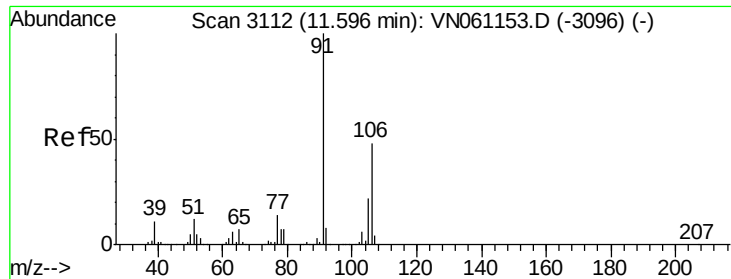
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5/1/2020 10:54:55 AM



#67
Ethyl Benzene
Concen: 7.676 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6





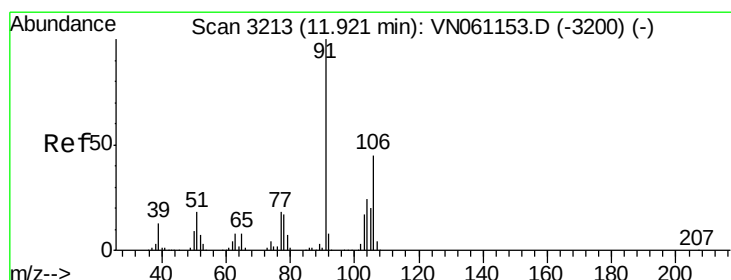
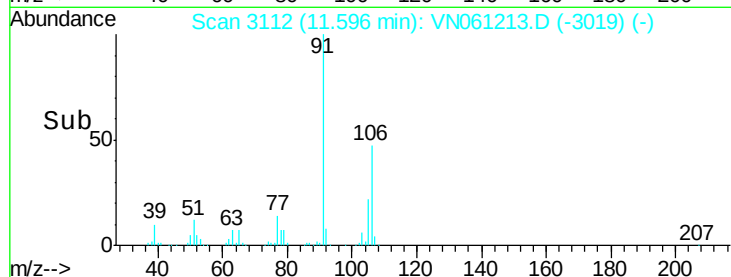
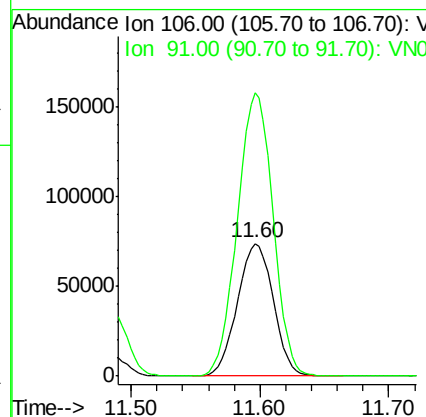
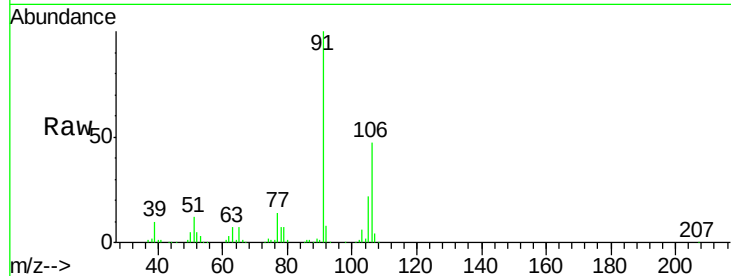
#68
m/p-Xylenes
Concen: 48.969 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	143424		
91	91	211.8	166.4	249.6	

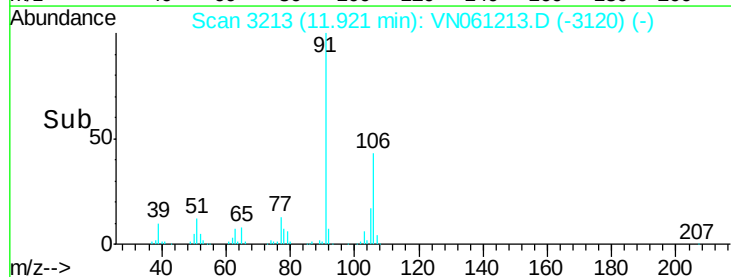
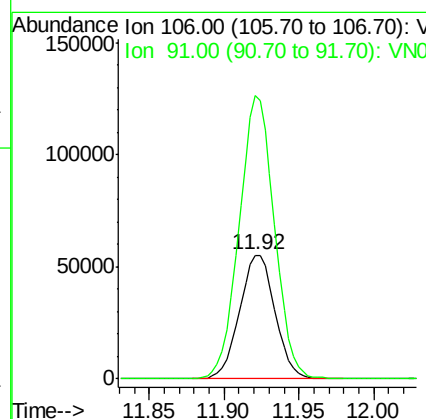
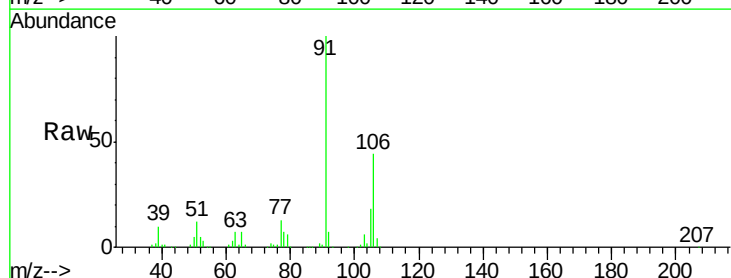
Manual Integrations
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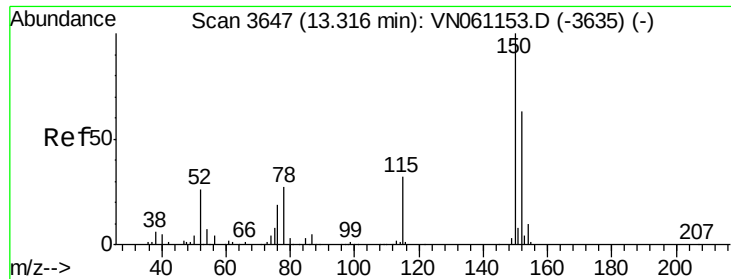
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#69
o-Xylene
Concen: 32.377 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	91090		
91	91	226.9	109.7	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: VN061213.D

Acq: 30 Apr 2020 19:47

Instrument :

MSVOA_N

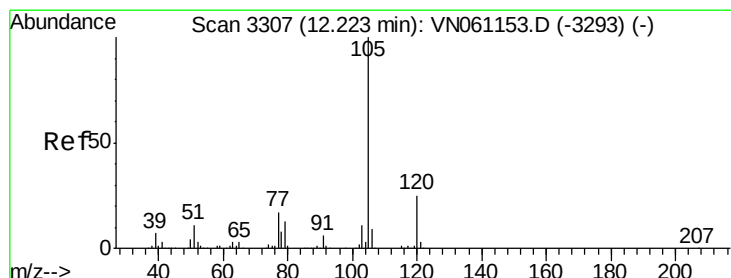
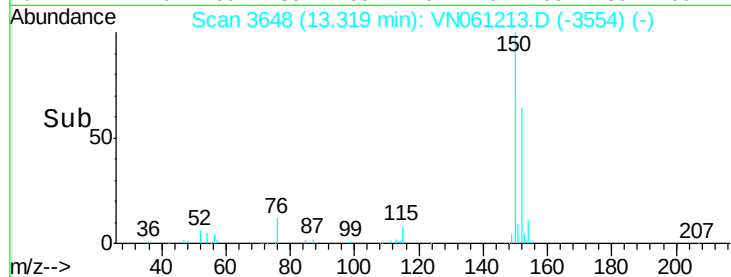
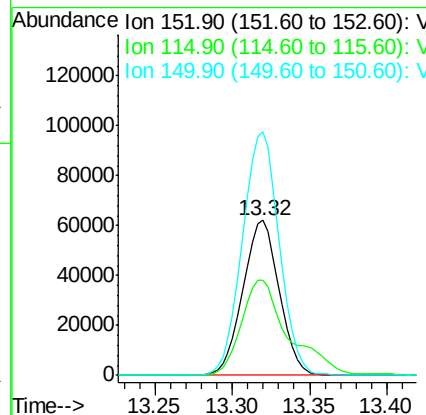
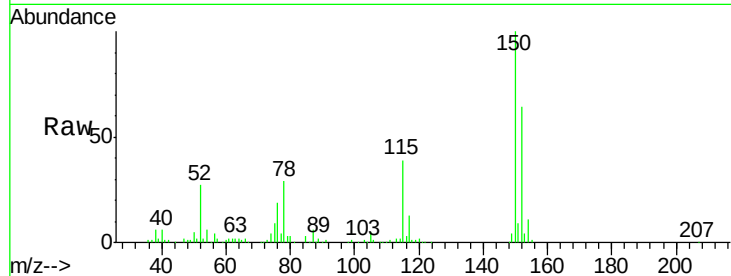
ClientSampleId :

MW-5

Tot Ion:	152	Resp:	101494
Ion	Ratio	Lower	Upper
152	100		
115	78.3	31.0	93.0
150	159.3	0.0	351.8

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#73

Isopropylbenzene

Concen: 11.141 ug/l

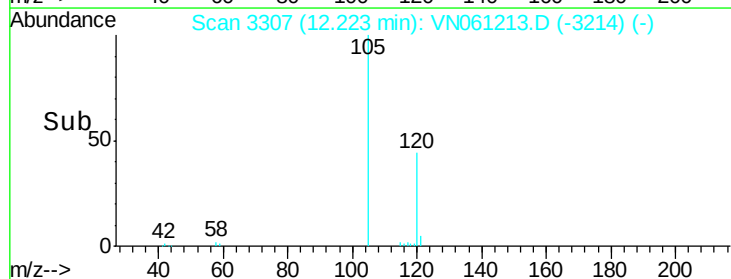
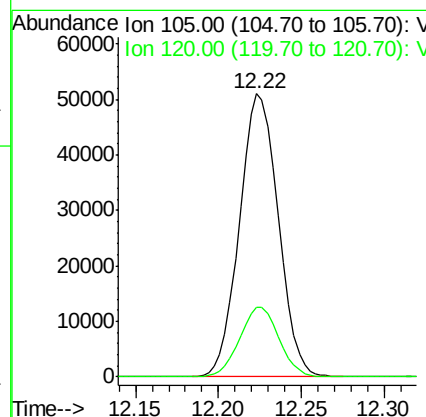
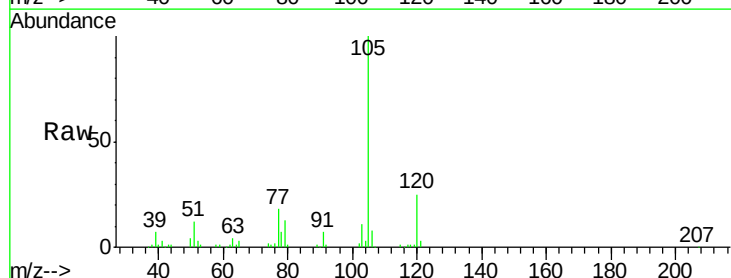
RT: 12.22 min Scan# 3307

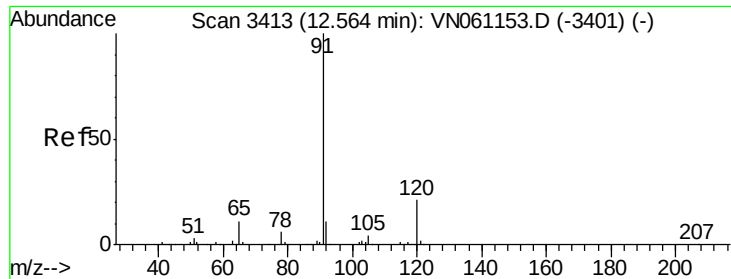
Delta R.T. 0.00 min

Lab File: VN061213.D

Acq: 30 Apr 2020 19:47

Tgt Ion:	105	Resp:	83125
Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.6	37.8





#78

n-propylbenzene

Concen: 15.253 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061213.D

Acq: 30 Apr 2020 19:47

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion: 91 Resp: 134992

Ion Ratio Lower Upper

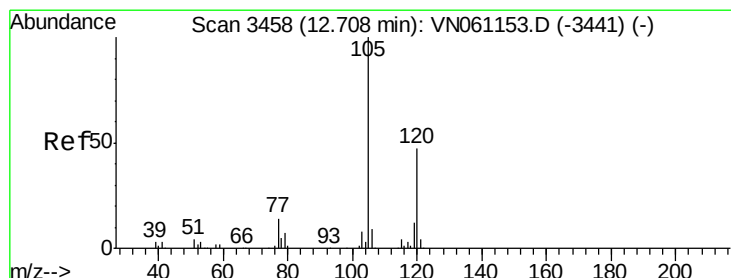
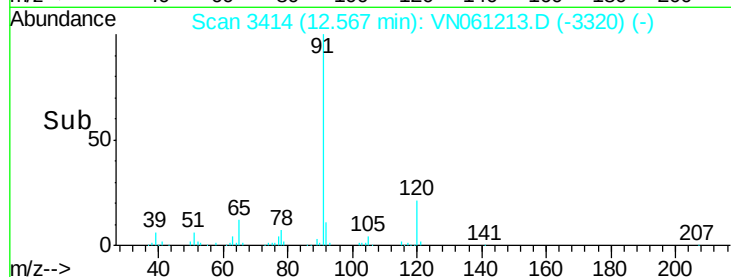
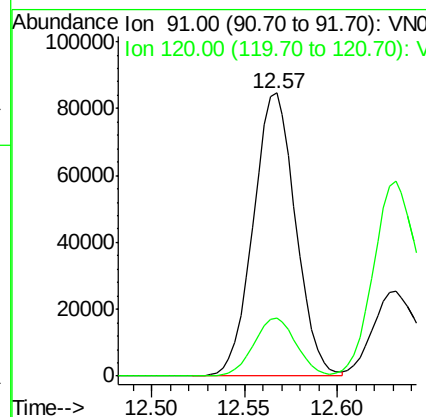
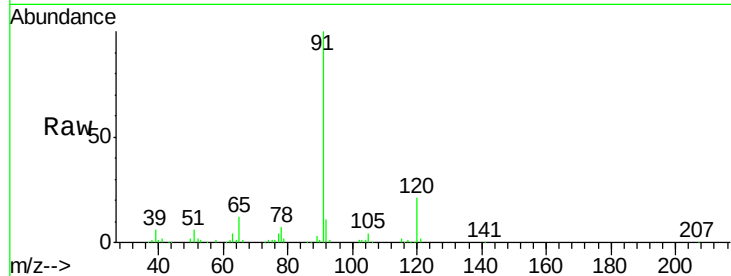
91 100

120 20.7 10.8 32.3

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#80

1,3,5-Trimethylbenzene

Concen: 28.095 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061213.D

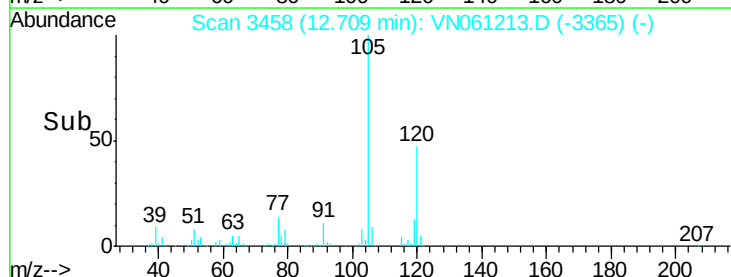
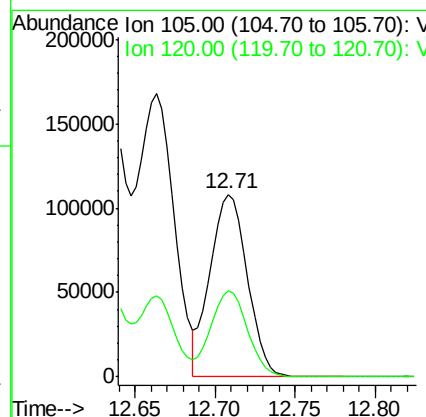
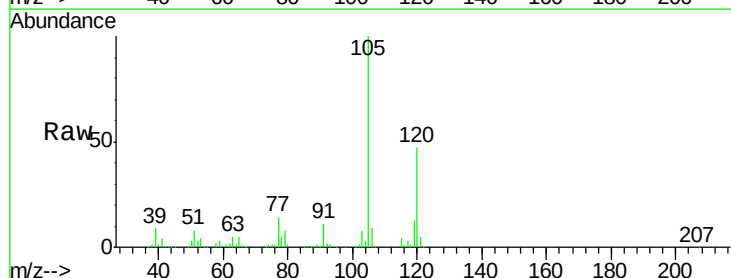
Acq: 30 Apr 2020 19:47

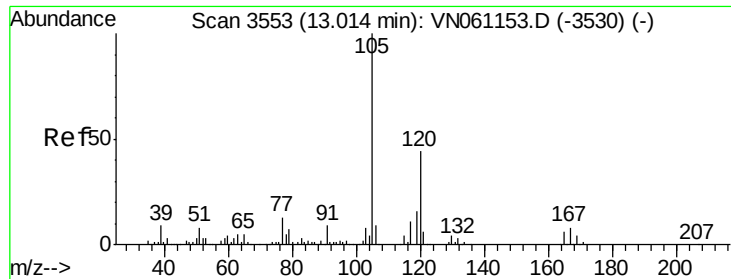
Tgt Ion: 105 Resp: 173497

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7





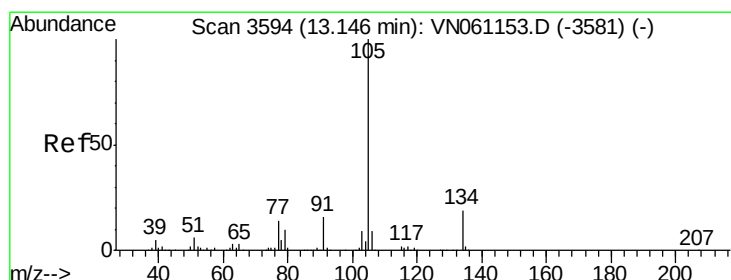
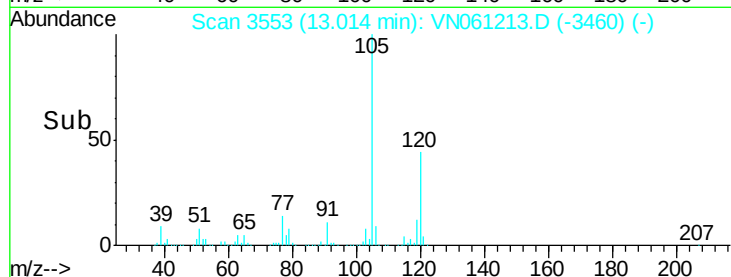
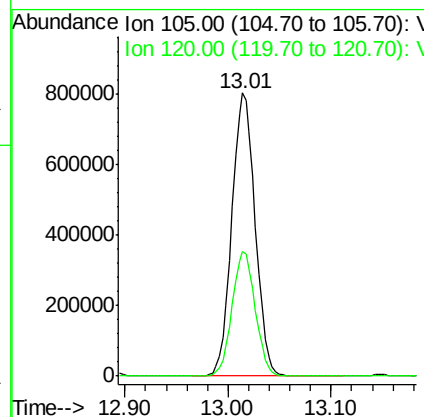
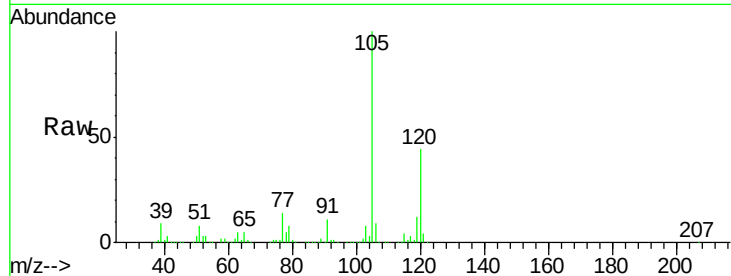
#84
 1,2,4-Trimethylbenzene
 Concen: 198.998 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061213.D
 Acq: 30 Apr 2020 19:47

Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

Tot Ion:105 Resp: 1266097
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.2 66.6

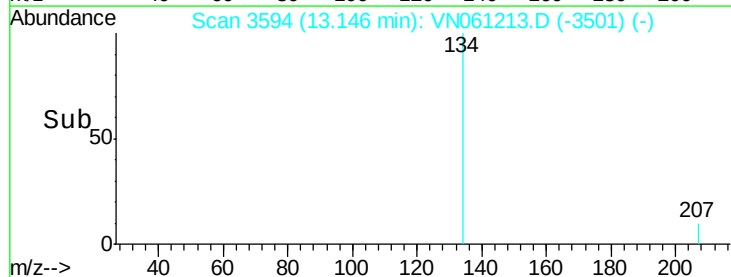
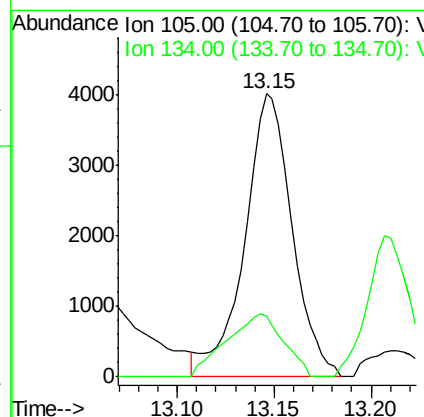
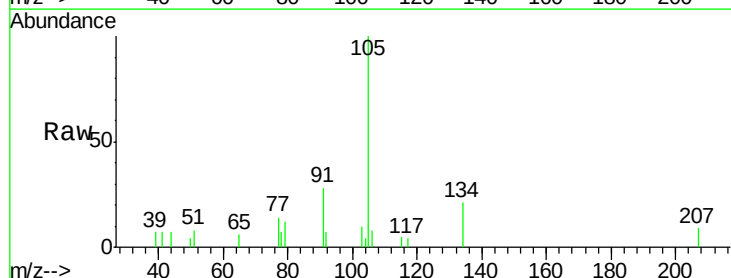
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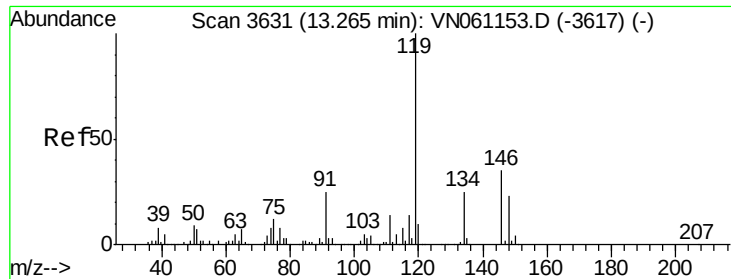
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#85
 sec-Butylbenzene
 Concen: 0.966 ug/l m
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061213.D
 Acq: 30 Apr 2020 19:47

Tgt Ion:105 Resp: 6856
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8#





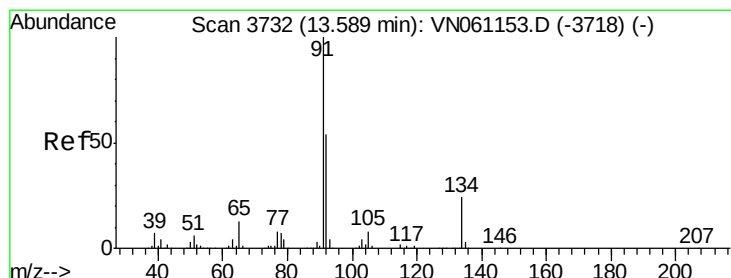
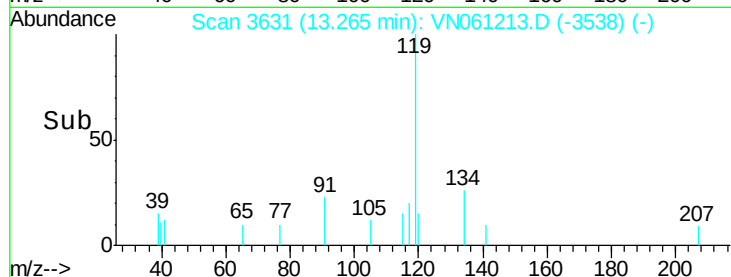
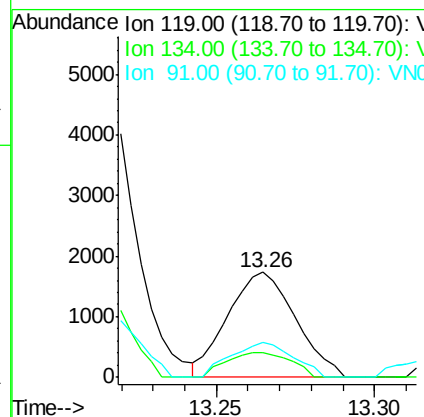
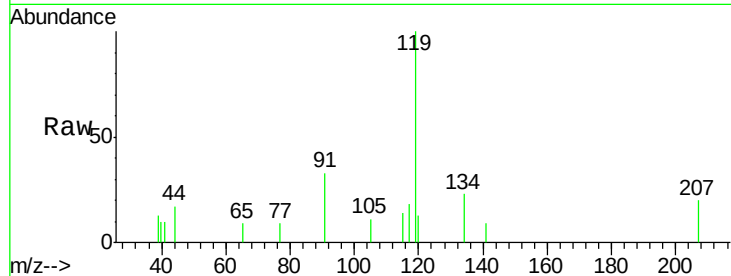
#86
 p-Isopropyltoluene
 Concen: 0.406 ug/l m
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061213.D
 Acq: 30 Apr 2020 19:47

Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

Tot Ion	Ratio	Lower	Upper
119	100		
134	112.3	12.6	37.6#
91	0.0	12.7	38.0#

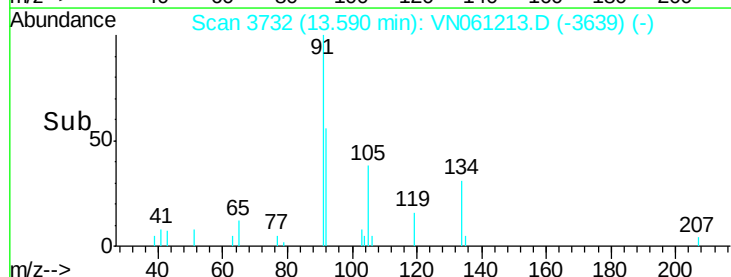
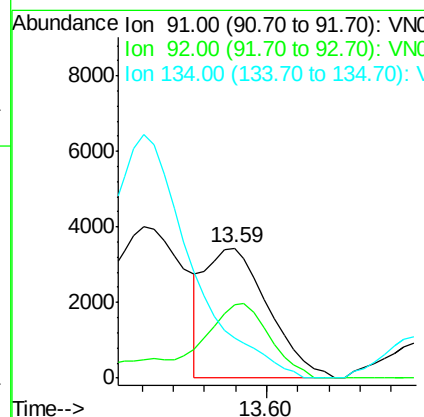
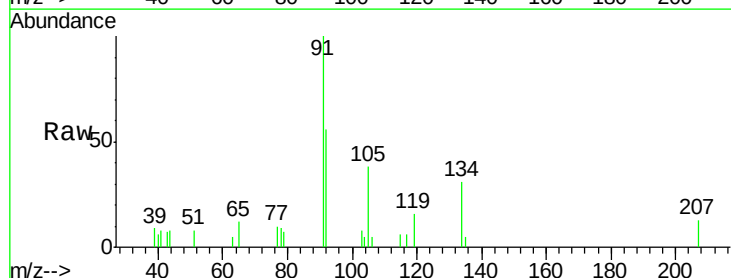
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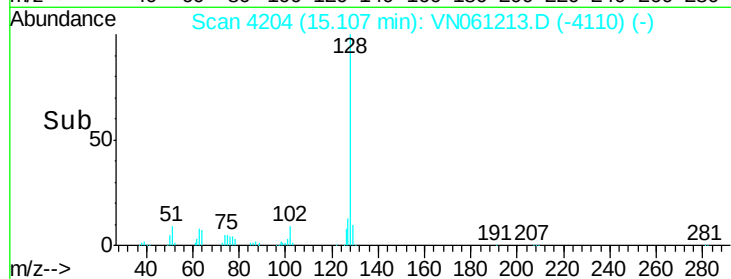
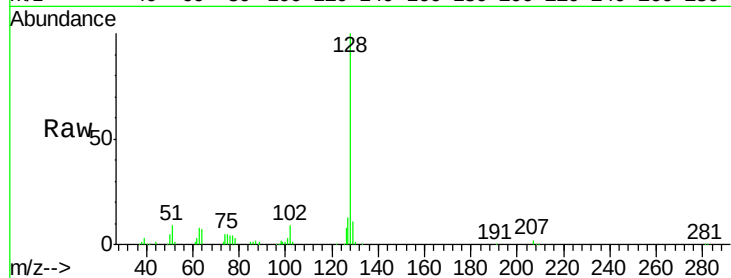
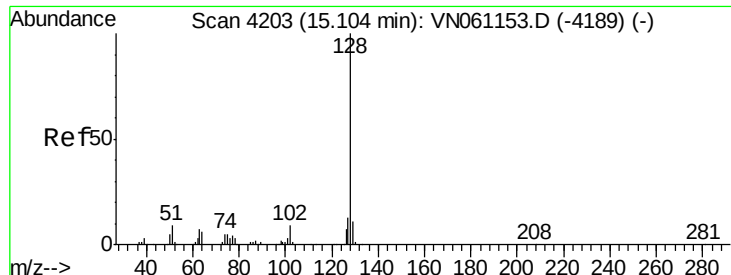
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#89
 n-Butylbenzene
 Concen: 0.821 ug/l m
 RT: 13.59 min Scan# 3732
 Delta R.T. 0.00 min
 Lab File: VN061213.D
 Acq: 30 Apr 2020 19:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.3#
134	252.1	11.9	35.5#





#95
Naphthalene
Concen: 21.059 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061213.D
Acq: 30 Apr 2020 19:47

Tot Ion	Ratio	Resp	Lower	Upper
128	100	126973		
127	12.8		10.4	15.6
129	10.9		8.7	13.1

Instrument :
MSVOA_N
ClientSampleId :
MW-5

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