

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064668.D
 Acq On : 16 Nov 2020 18:25
 Operator : JC/MD
 Sample : L4772-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:02:23 PM

Quant Time: Nov 17 05:12:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	252950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	517377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	555867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	281666	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	239370	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
35) Dibromofluoromethane	7.55	113	175932	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	10.06	98	660103	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.38	95	312340	60.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.32%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	22131	13.186	ug/l	96
25) 2-Butanone	6.81	43	4594	2.148	ug/l	95
39) Methylcyclohexane	9.05	83	2958m	0.604	ug/l	
64) Tetrachloroethene	10.61	164	1525	0.356	ug/l #	77
67) Ethyl Benzene	11.49	91	70518	3.253	ug/l	100
68) m/p-Xylenes	11.60	106	27720	3.526	ug/l	90
73) Isopropylbenzene	12.22	105	1882621	84.092	ug/l	99
78) n-propylbenzene	12.57	91	4024995	157.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.66	105	227960	12.343	ug/l	70
83) tert-Butylbenzene	12.97	119	343676	23.826	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	5327375	286.933	ug/l	94
85) sec-Butylbenzene	13.15	105	1357392	74.302	ug/l #	72
86) p-Isopropyltoluene	13.26	119	46037m	2.802	ug/l	
89) n-Butylbenzene	13.59	91	638124	45.166	ug/l #	79
95) Naphthalene	15.10	128	142150	12.158	ug/l	99

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

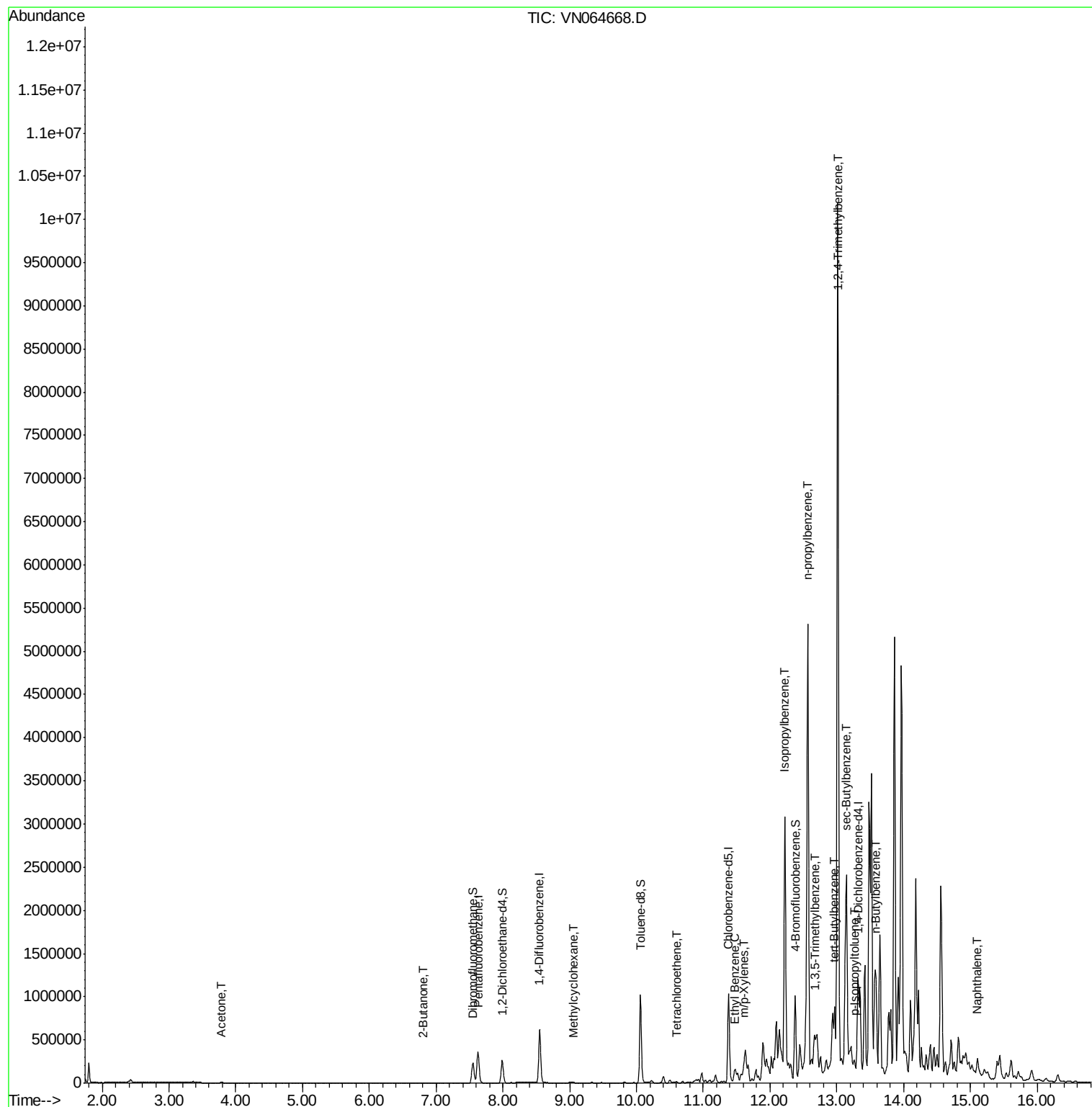
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064668.D
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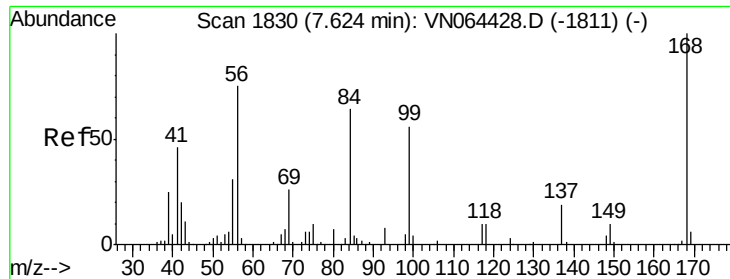
Instrument :
MSVOA_N
ClientSampleId :
MW-1

Manual Integrations
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Quant Time: Nov 17 05:12:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:168 Resp: 252950

Ion Ratio Lower Upper

168 100

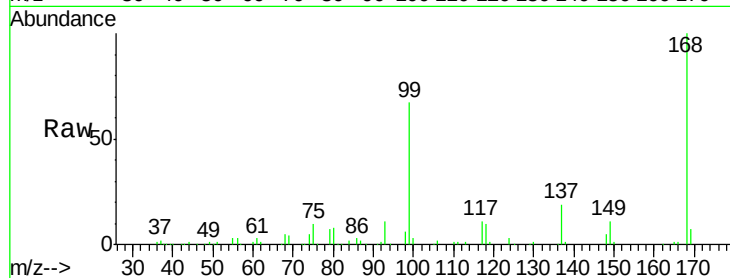
99 67.2 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

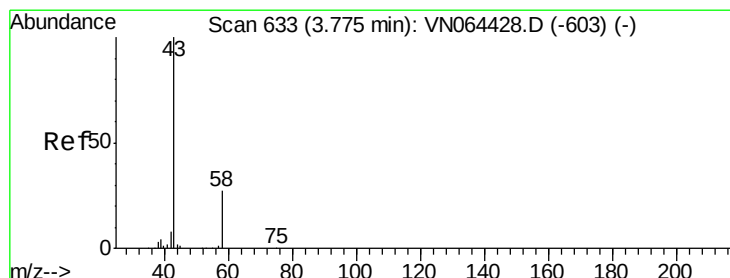
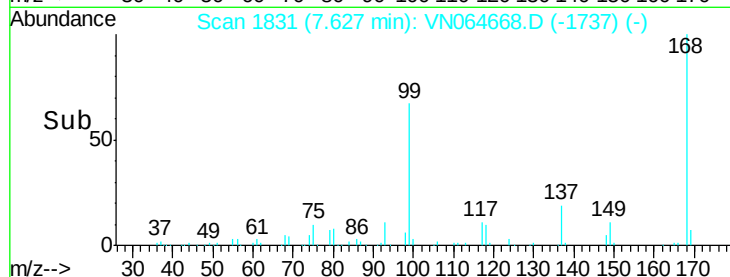
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 13.186 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064668.D

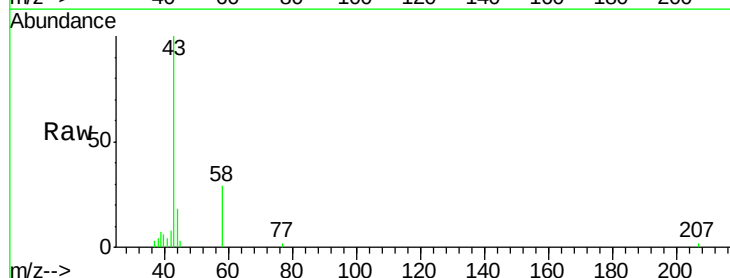
Acq: 16 Nov 2020 18:25

Tgt Ion: 43 Resp: 22131

Ion Ratio Lower Upper

43 100

58 28.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

8000

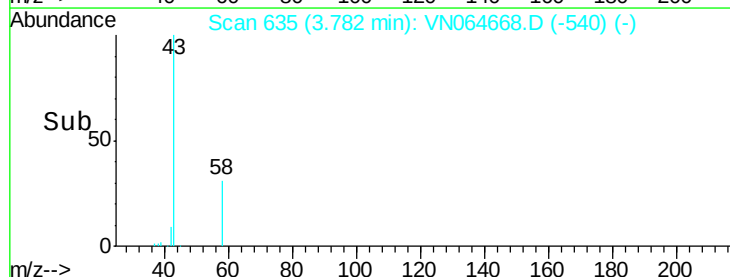
6000

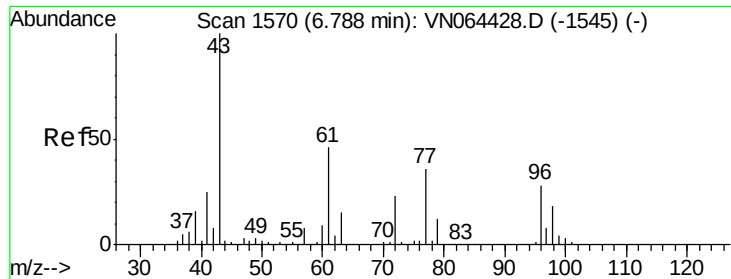
4000

2000

0

Time-->





#25

2-Butanone

Concen: 2.148 ug/l

RT: 6.81 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 43 Resp: 4594

Ion Ratio Lower Upper

43 100

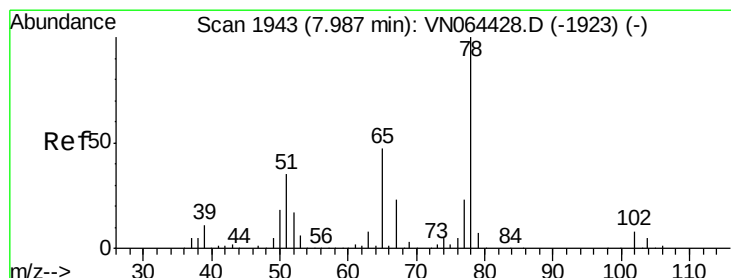
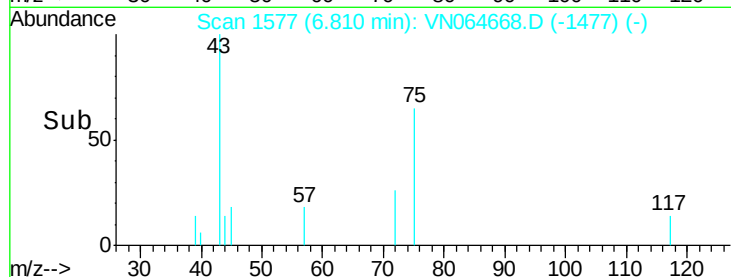
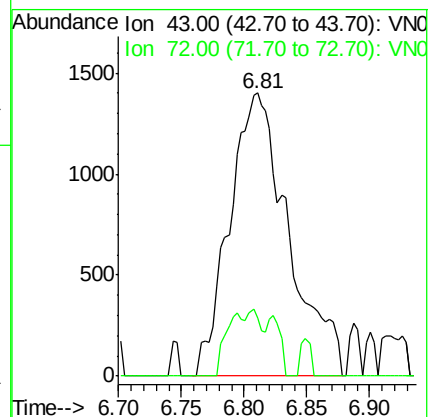
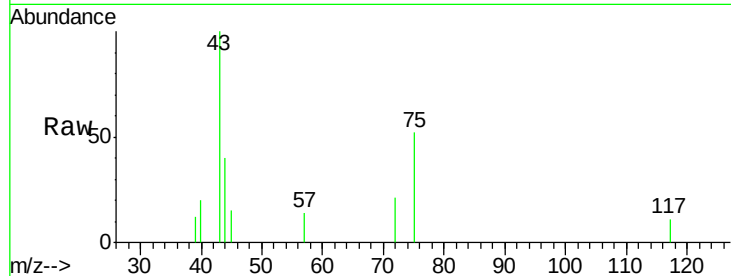
72 20.6 18.5 27.7

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#33

1,2-Dichloroethane-d4

Concen: 54.328 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064668.D

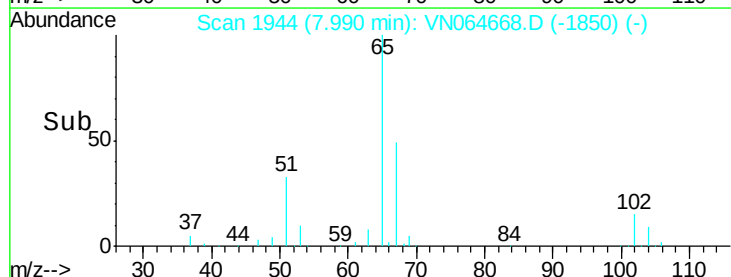
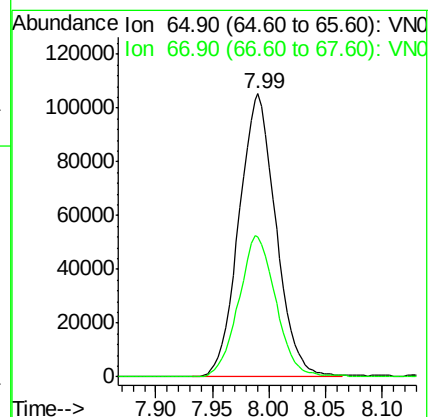
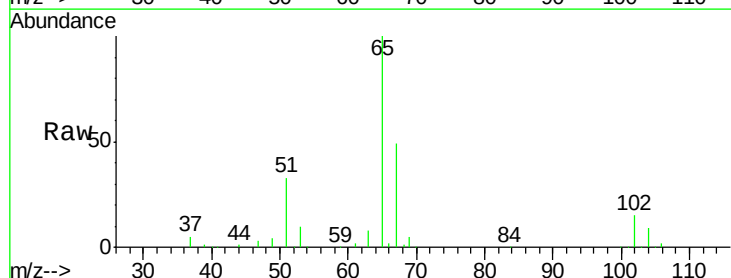
Acq: 16 Nov 2020 18:25

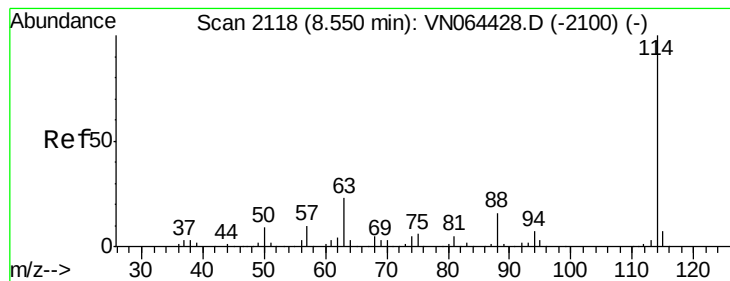
Tgt Ion: 65 Resp: 239370

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

Instrument :

MSVOA_N

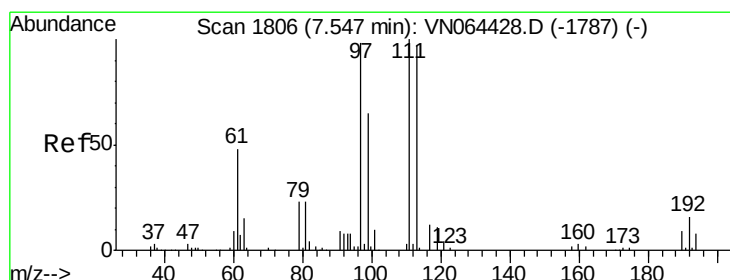
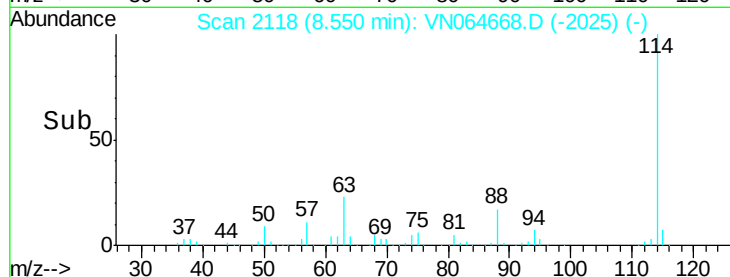
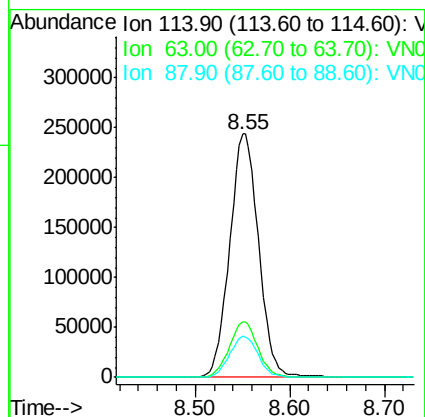
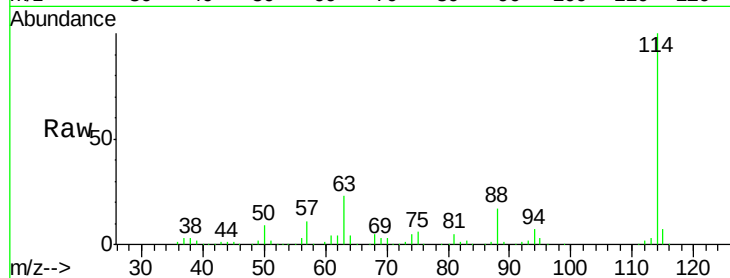
ClientSampled :

MW-1

Tot Ion:	114	Resp:	517377
Ion Ratio	Lower	Upper	
114	100		
63	22.8	0.0	45.6
88	16.8	0.0	32.8

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#35

Dibromofluoromethane

Concen: 49.943 ug/l

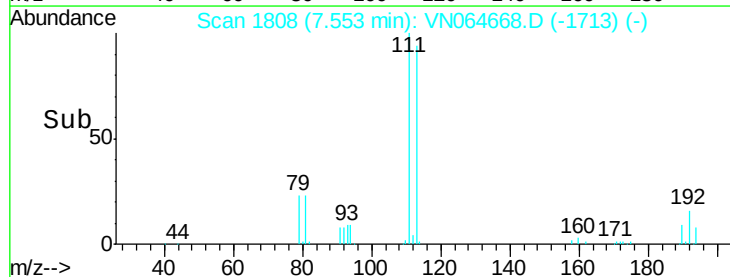
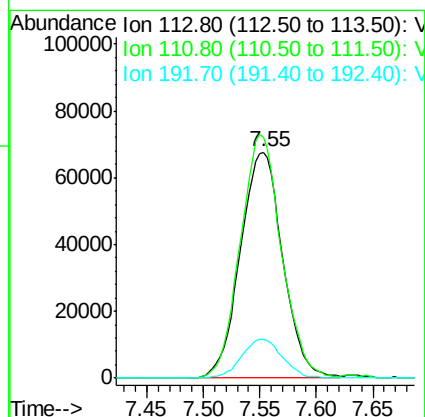
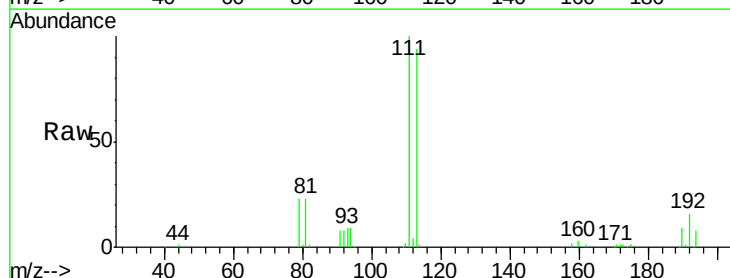
RT: 7.55 min Scan# 1808

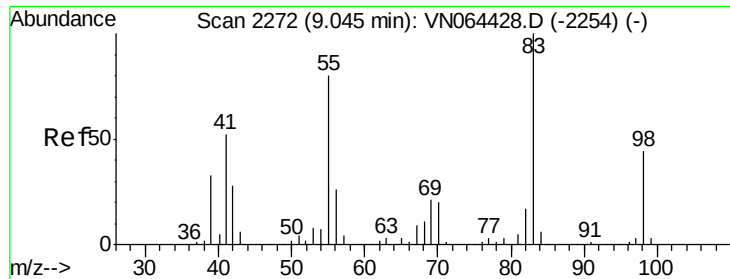
Delta R.T. 0.01 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

Tgt Ion:	113	Resp:	175932
Ion Ratio	Lower	Upper	
113	100		
111	104.7	81.1	121.7
192	16.6	12.8	19.2





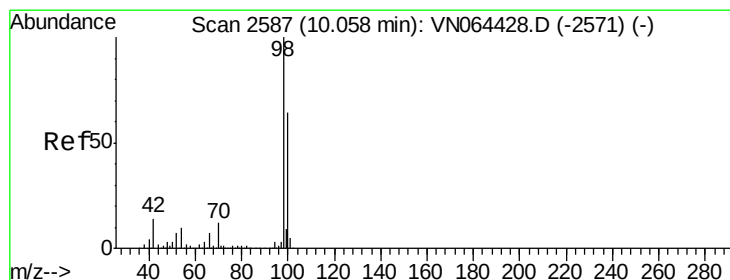
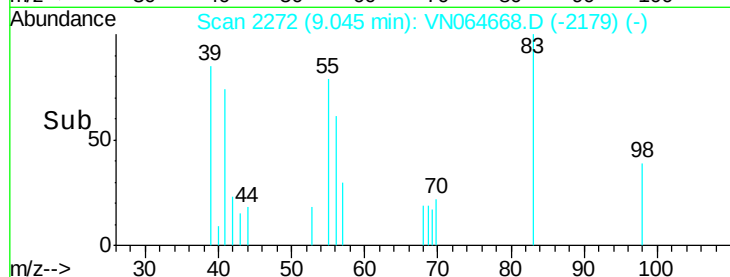
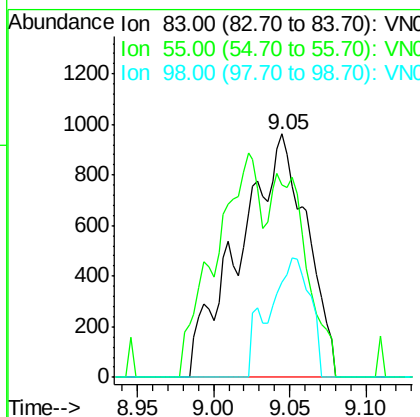
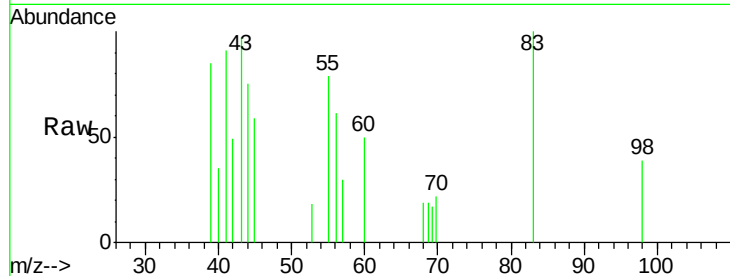
#39
Methylvlcyclohexane
Concen: 0.604 ug/l m
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	63.8	95.6
98	38.8	35.4	53.2

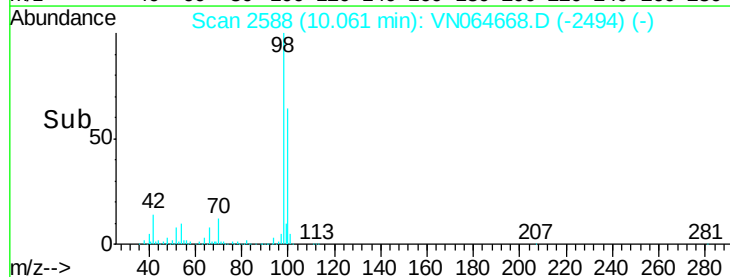
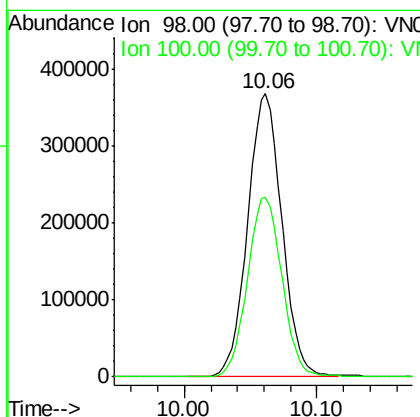
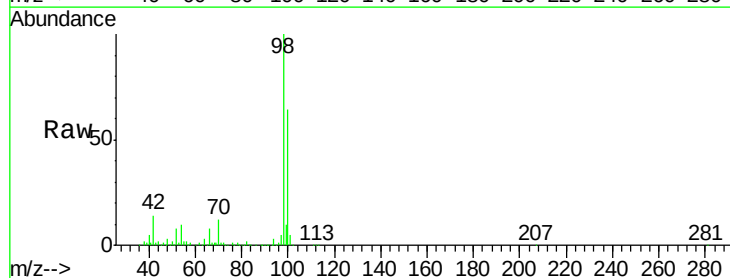
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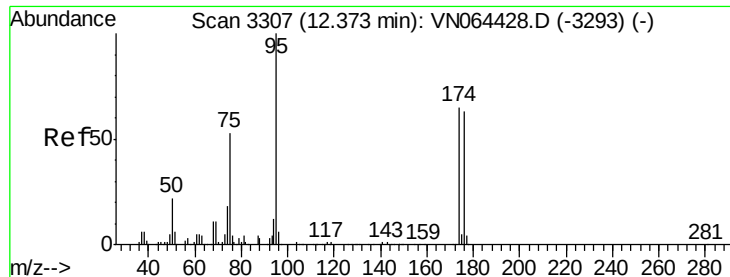
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#50
Toluene-d8
Concen: 48.484 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





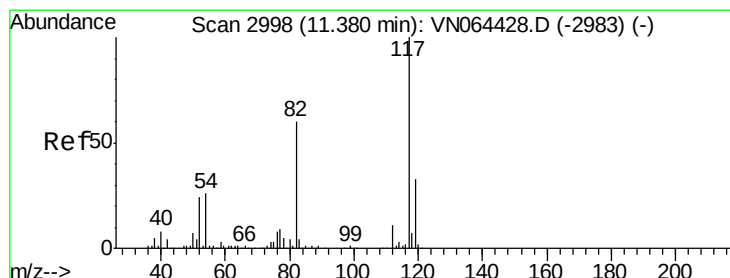
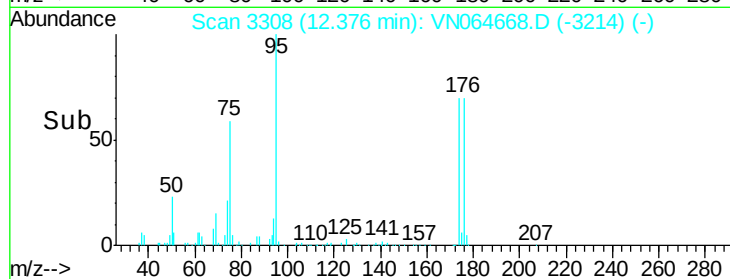
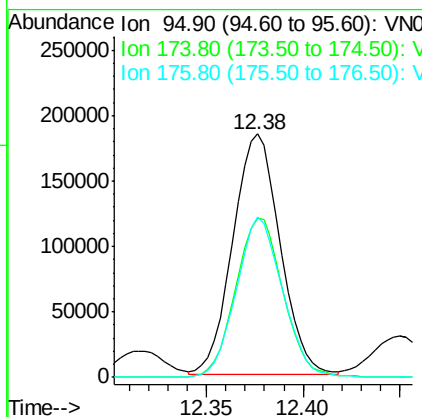
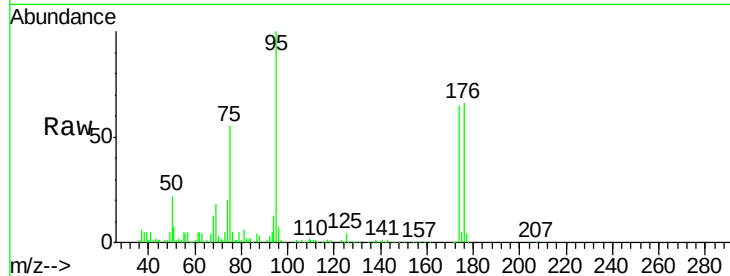
#62
4-Bromofluorobenzene
Concen: 60.660 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	312340		
174	66.9	0.0	132.6	
176	65.4	0.0	129.2	

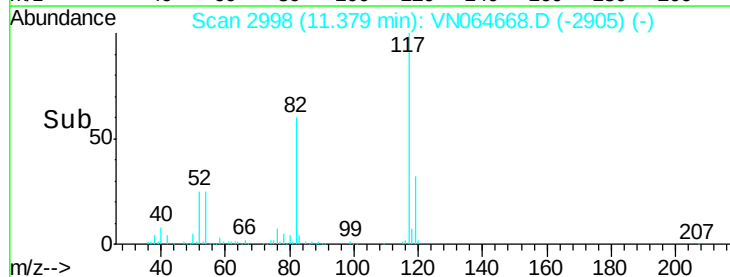
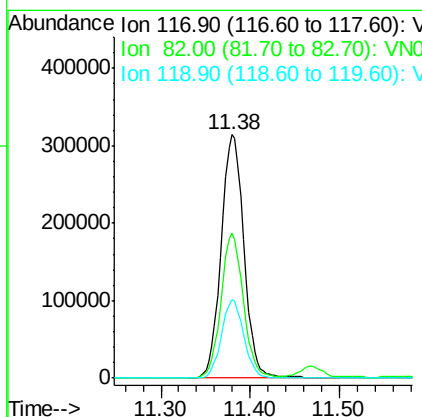
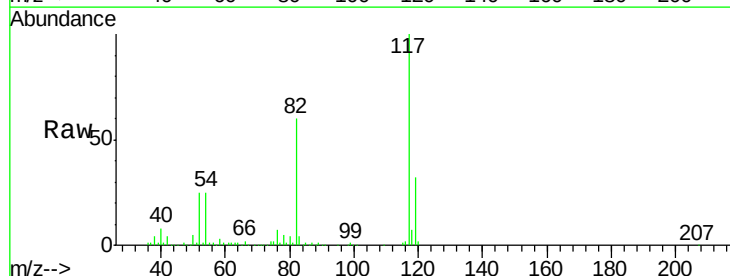
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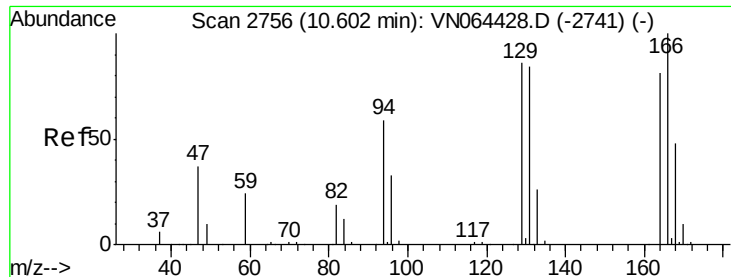
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	555867		
82	59.5	48.1	72.1	
119	32.1	26.2	39.4	





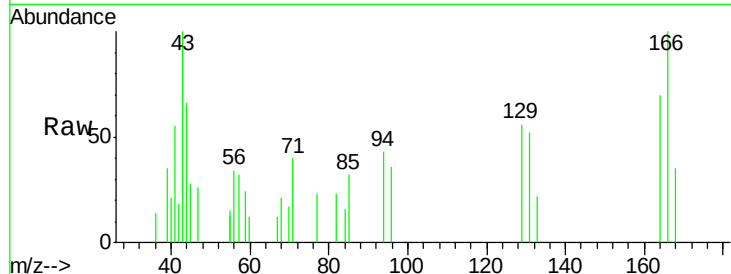
#64
Tetrachloroethene
Concen: 0.356 ug/l
RT: 10.61 min Scan# 2758
Delta R.T. 0.01 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
MW-1

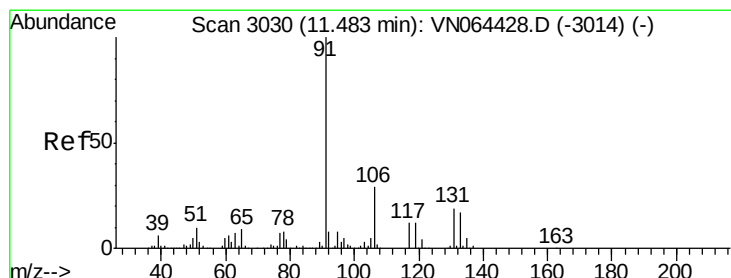
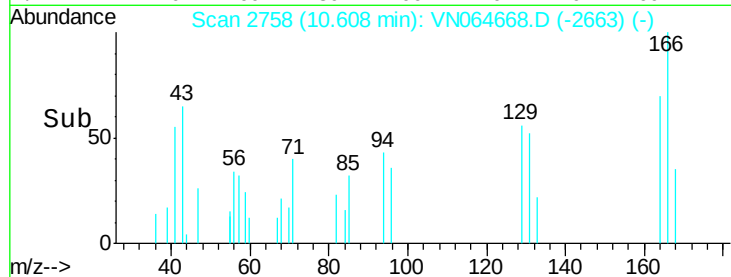
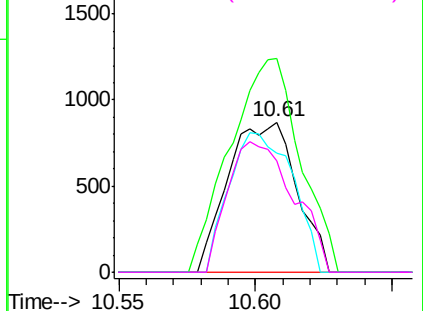
Tot Ion	Ratio	Lower	Upper
164	100		
166	142.0	98.2	147.2
129	79.4	84.6	127.0
131	73.9	82.2	123.2

Manual Integrations
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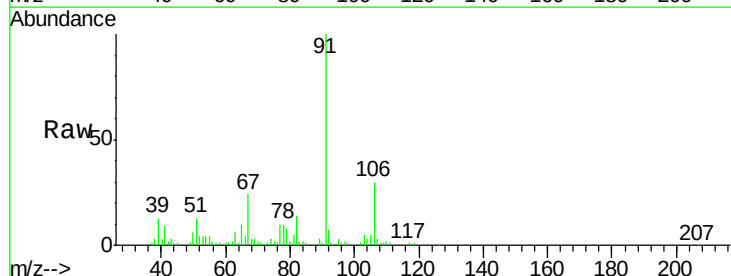


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

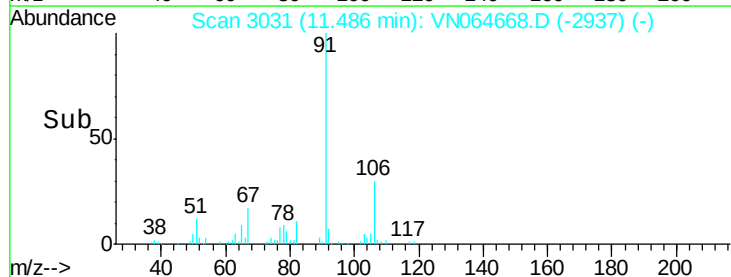
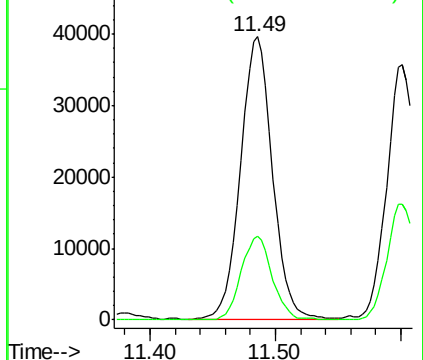


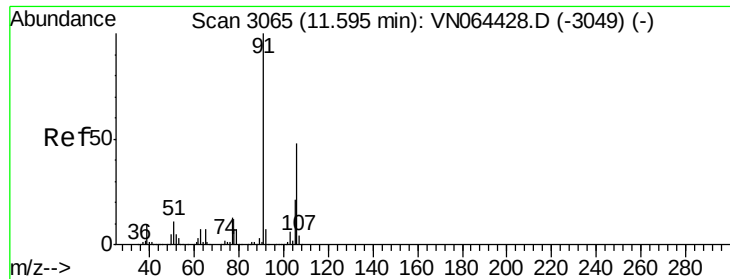
#67
Ethyl Benzene
Concen: 3.253 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.6	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 3.526 ug/l

RT: 11.60 min Scan# 3067

Delta R.T. 0.01 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:106 Resp: 27720

Ion Ratio Lower Upper

106 100

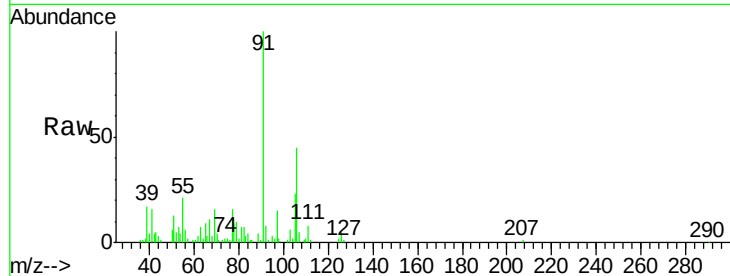
91 227.8 169.4 254.2

Manual Integrations

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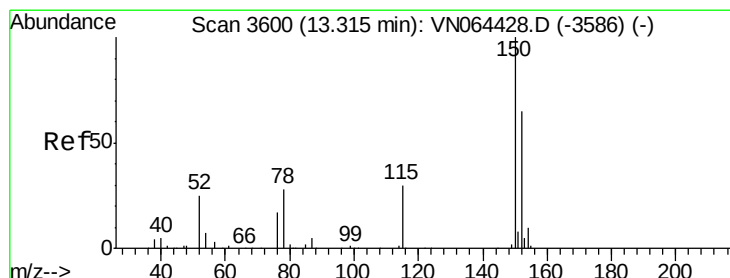
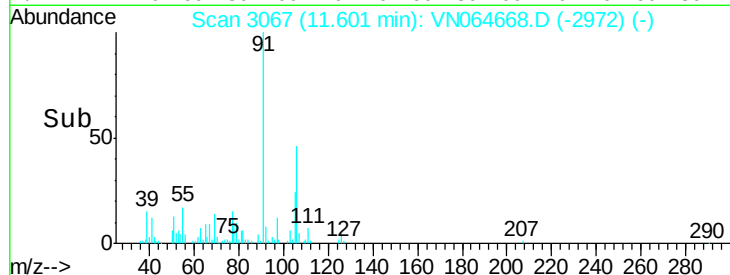
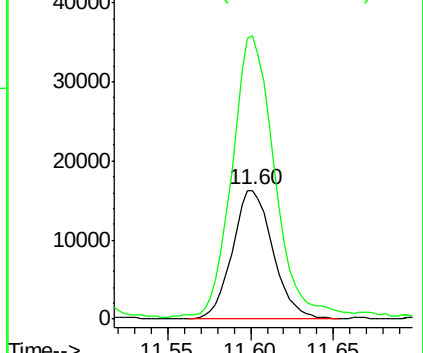
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

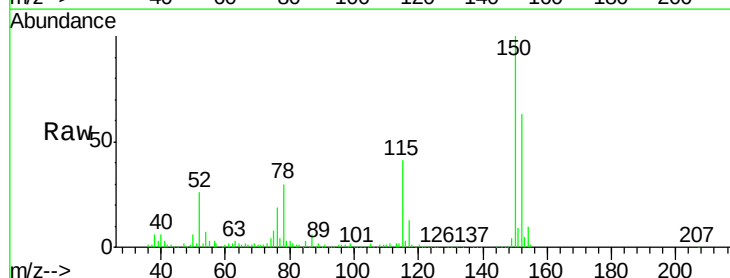
Tgt Ion:152 Resp: 281666

Ion Ratio Lower Upper

152 100

115 73.7 32.0 96.0

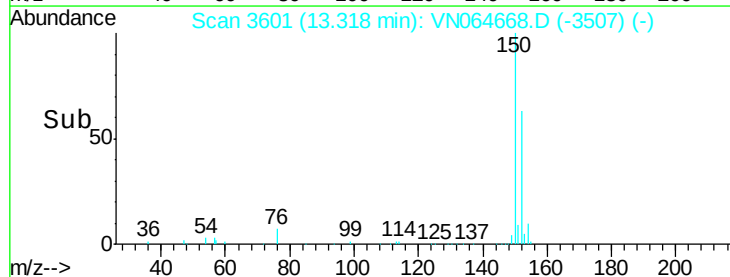
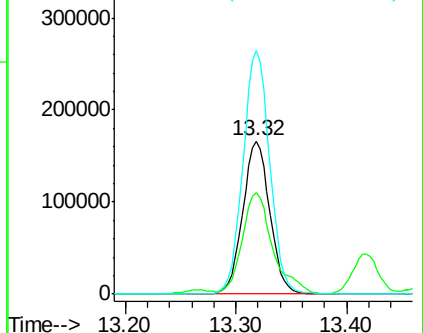
150 157.1 0.0 353.8

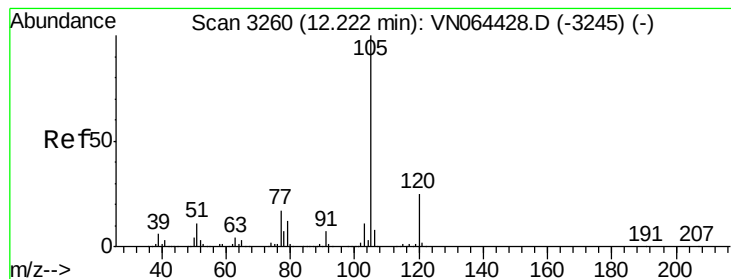


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 84.092 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064668.D

Acq: 16 Nov 2020 18:25

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:105 Resp: 1882621

Ion Ratio Lower Upper

105 100

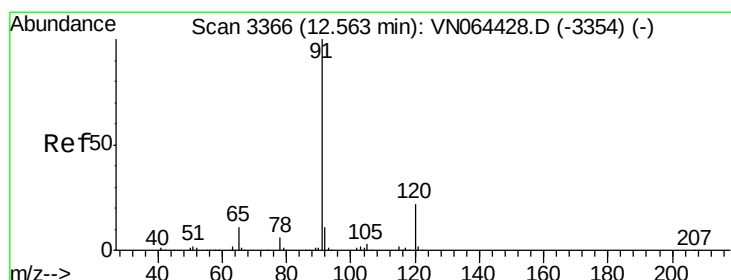
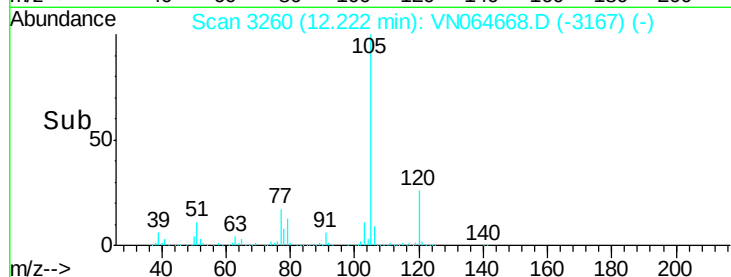
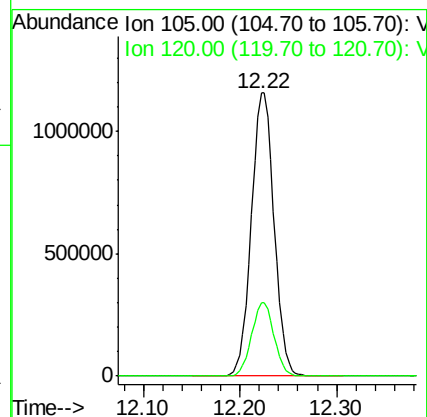
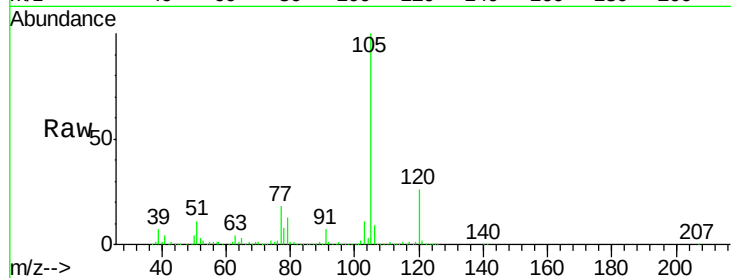
120 25.8 12.8 38.3

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#78

n-propylbenzene

Concen: 157.697 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064668.D

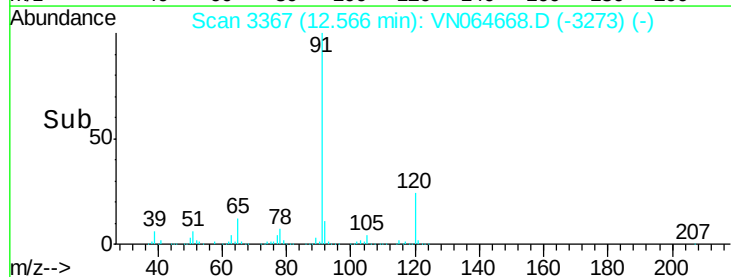
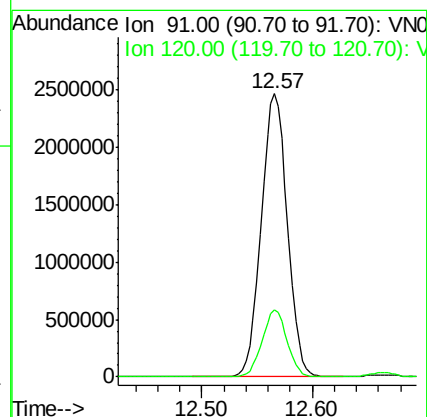
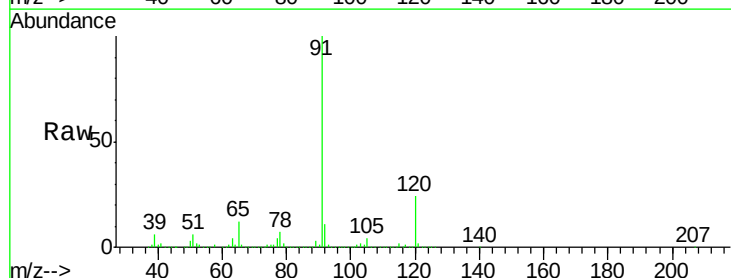
Acq: 16 Nov 2020 18:25

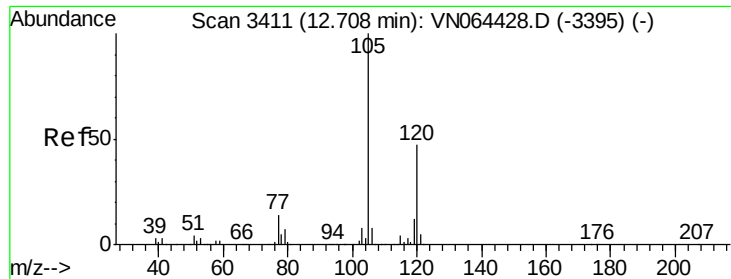
Tgt Ion: 91 Resp: 4024995

Ion Ratio Lower Upper

91 100

120 22.7 11.0 33.0





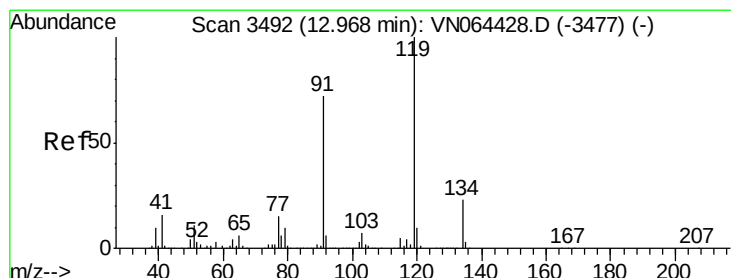
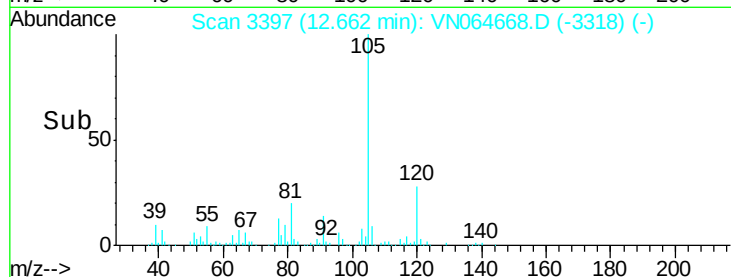
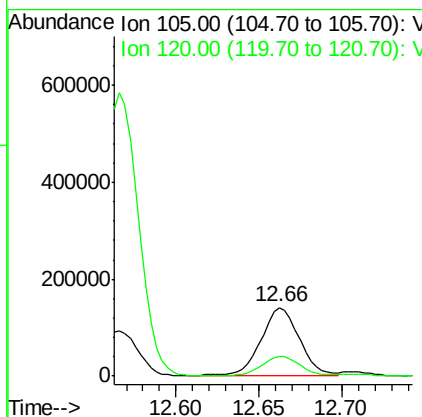
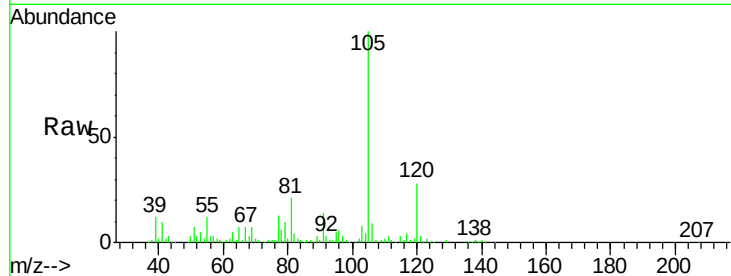
#80
 1,3,5-Trimethylbenzene
 Concen: 12.343 ug/l
 RT: 12.66 min Scan# 3397
 Delta R.T. -0.05 min
 Lab File: VN064668.D
 Acq: 16 Nov 2020 18:25

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	23.4	70.2

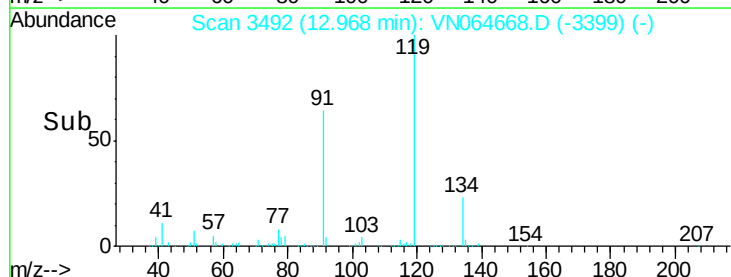
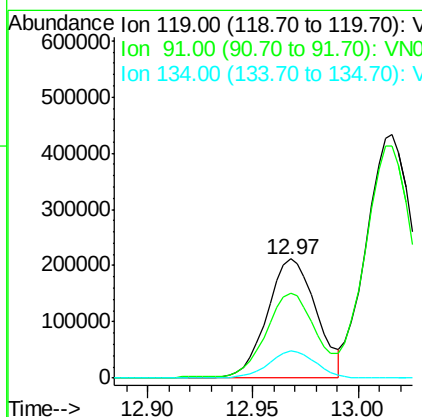
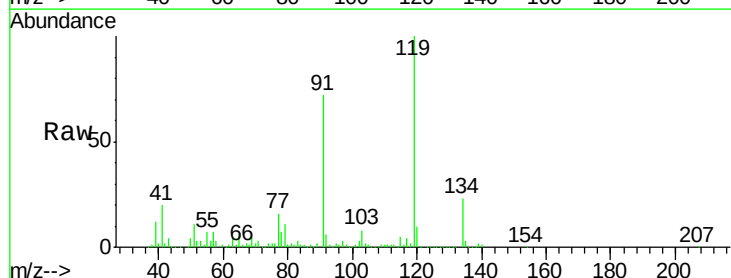
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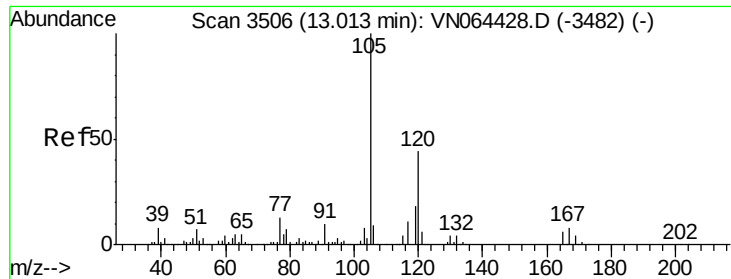
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#83
 tert-Butylbenzene
 Concen: 23.826 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064668.D
 Acq: 16 Nov 2020 18:25

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.5	36.1	108.3
134	22.2	11.7	35.1





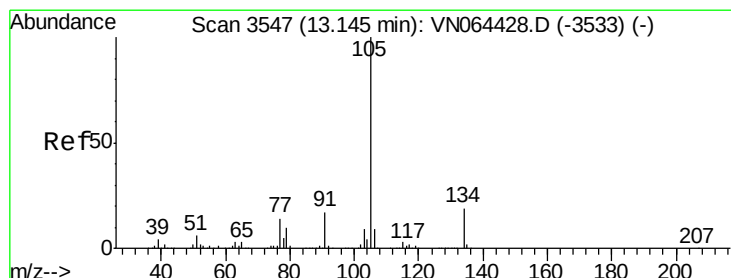
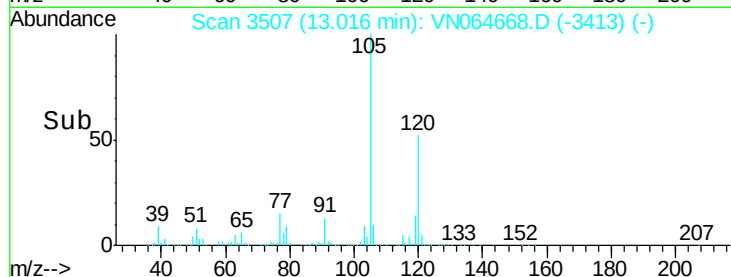
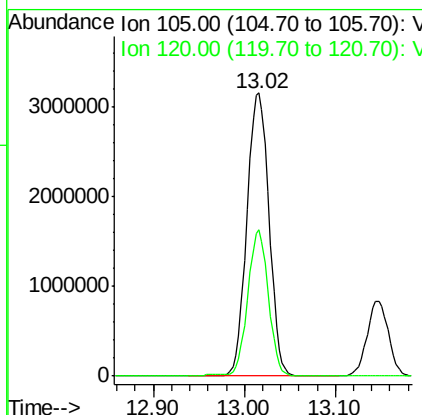
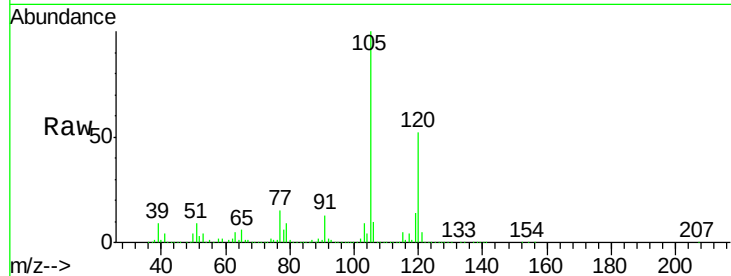
#84
 1,2,4-Trimethylbenzene
 Concen: 286.933 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064668.D
 Acq: 16 Nov 2020 18:25

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion:105 Resp: 5327375
 Ion Ratio Lower Upper
 105 100
 120 48.0 21.9 65.7

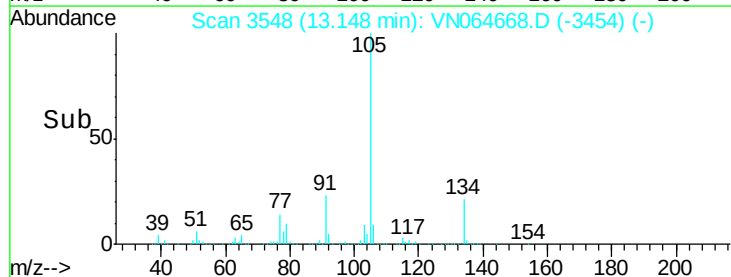
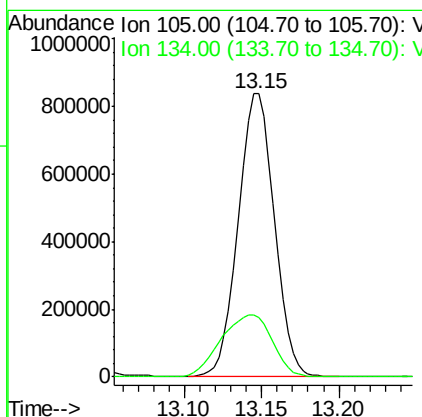
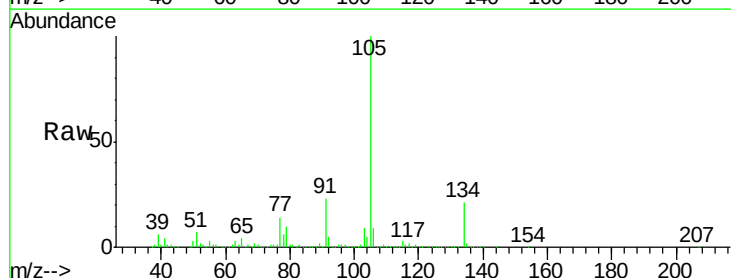
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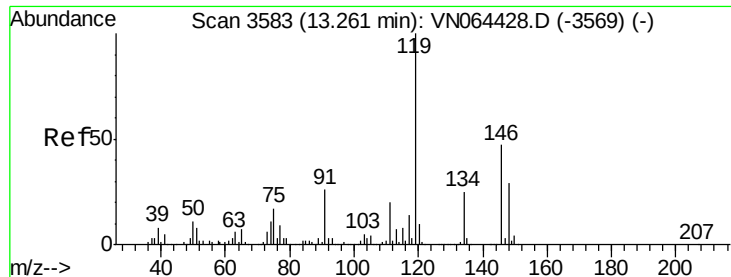
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#85
 sec-Butylbenzene
 Concen: 74.302 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064668.D
 Acq: 16 Nov 2020 18:25

Tgt Ion:105 Resp: 1357392
 Ion Ratio Lower Upper
 105 100
 134 31.3 9.4 28.2#





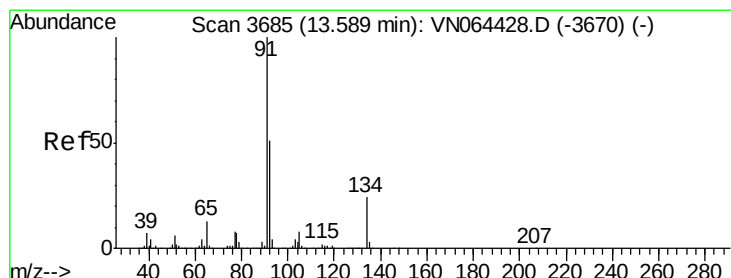
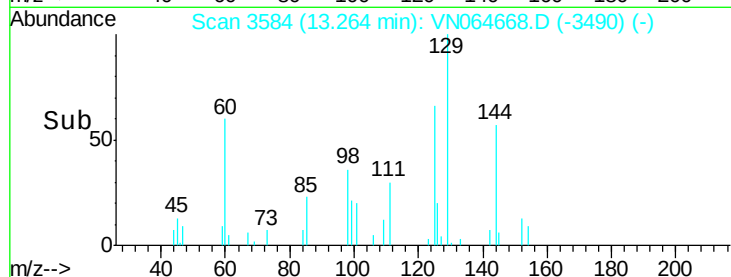
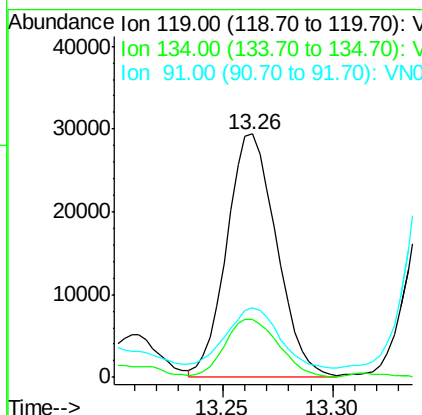
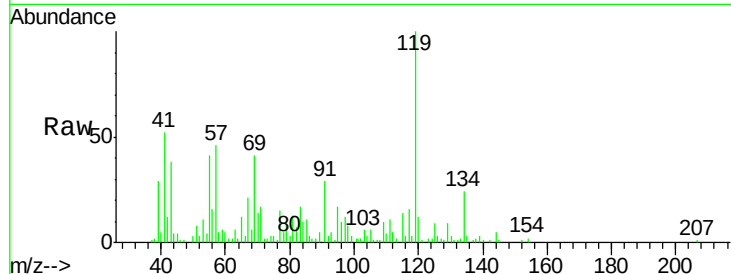
#86
p-Isopropyltoluene
Concen: 2.802 ug/l m
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	414.0	12.6	37.6#
91	401.9	12.8	38.3#

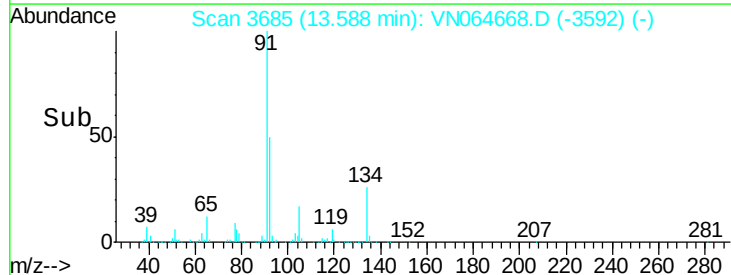
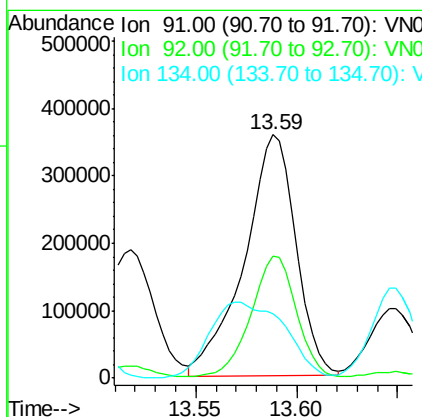
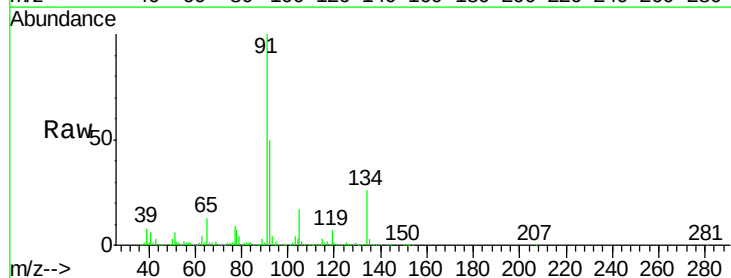
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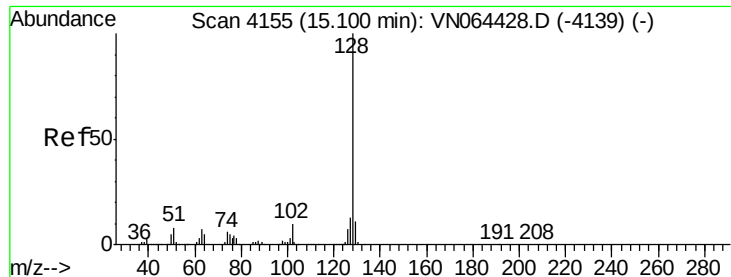
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#89
n-Butylbenzene
Concen: 45.166 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.1	25.3	75.9
134	45.6	11.8	35.4#





#95
Naphthalene
Concen: 12.158 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064668.D
Acq: 16 Nov 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.8	8.8	13.2

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