

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064819.D
 Acq On : 24 Nov 2020 18:40
 Operator : JC/MD
 Sample : L4829-18DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 3:57:38 PM

Quant Time: Nov 25 05:29:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	314836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	102045	51.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.42%
35) Dibromofluoromethane	7.55	113	95237	52.56	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.12%
50) Toluene-d8	10.06	98	380454	51.39	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.78%
62) 4-Bromofluorobenzene	12.38	95	155856	58.82	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	117.64%

Target Compounds

					Qvalue
39) Methylcyclohexane	9.05	83	3928	1.300 ug/l #	93
40) Benzene	8.00	78	35766	4.158 ug/l	97
52) Toluene	10.13	92	7870	1.486 ug/l	92
67) Ethyl Benzene	11.48	91	344937	30.540 ug/l	100
68) m/p-Xylenes	11.60	106	26260	6.141 ug/l	100
69) o-Xylene	11.92	106	9427	2.323 ug/l	99
73) Isopropylbenzene	12.22	105	15398	1.452 ug/l	97
78) n-propylbenzene	12.56	91	35815	2.964 ug/l	99
80) 1,3,5-Trimethylbenzene	12.66	105	11730	1.330 ug/l	77
84) 1,2,4-Trimethylbenzene	13.01	105	291781	32.729 ug/l	99
85) sec-Butylbenzene	13.14	105	5255m	0.536 ug/l	
86) p-Isopropyltoluene	13.26	119	2888	0.323 ug/l #	73
89) n-Butylbenzene	13.59	91	8906	1.135 ug/l #	70
95) Naphthalene	15.10	128	126982	13.733 ug/l	98

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

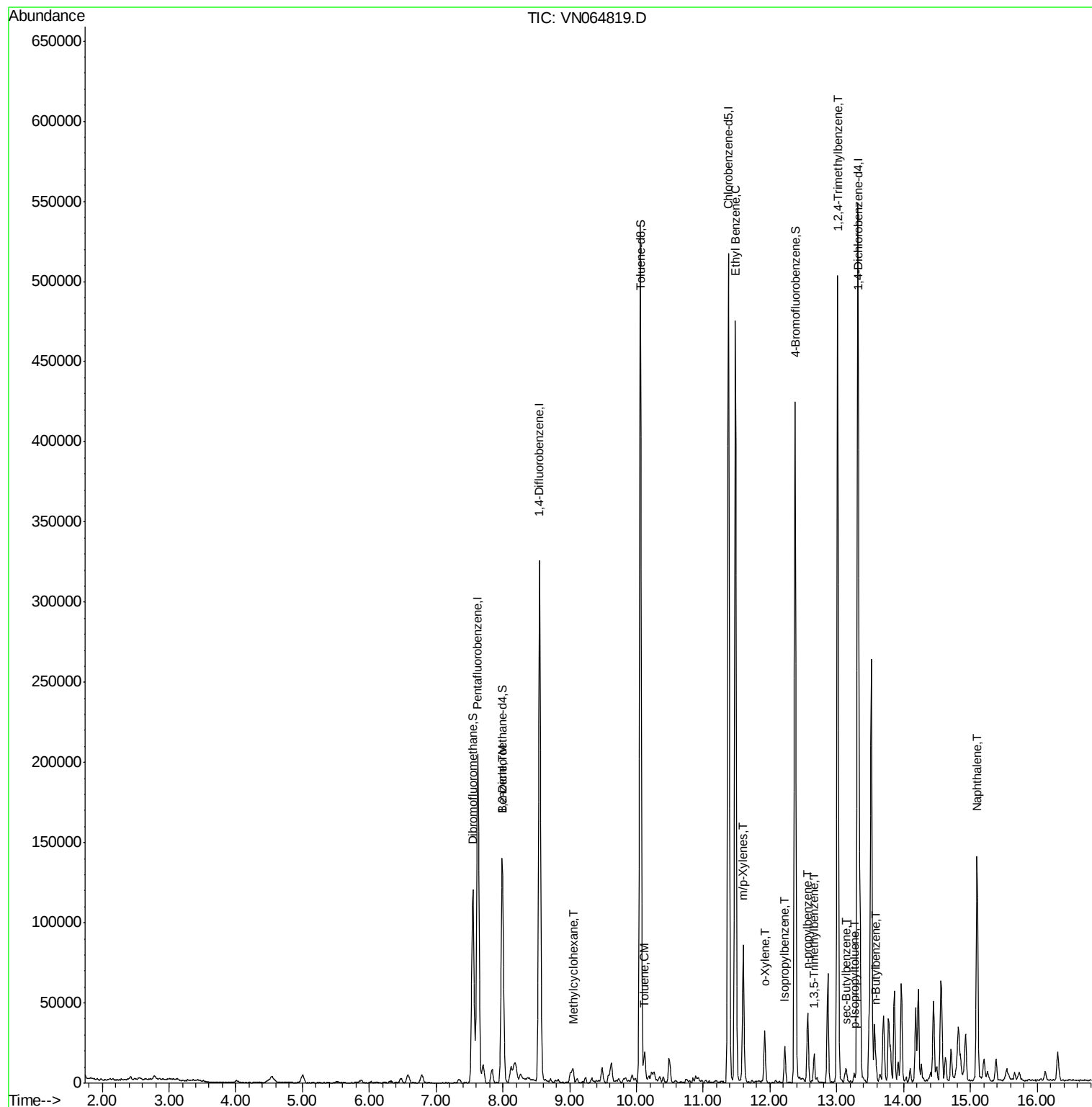
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064819.D
Acq On : 24 Nov 2020 18:40
Operator : JC/MD
Sample : L4829-18DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

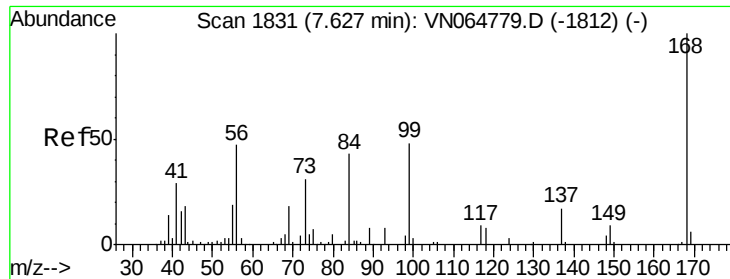
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

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Quant Time: Nov 25 05:29:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

Tot Ion:168 Resp: 171388

Ion Ratio Lower Upper

168 100

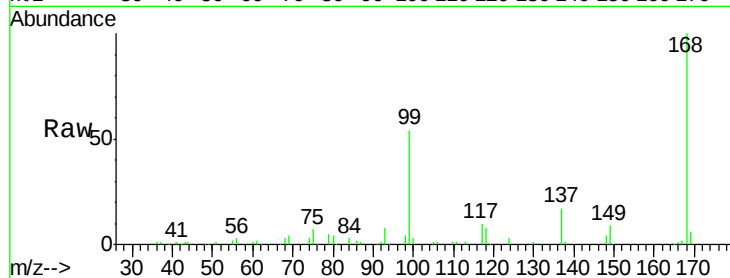
99 54.1 43.0 64.4

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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

80000

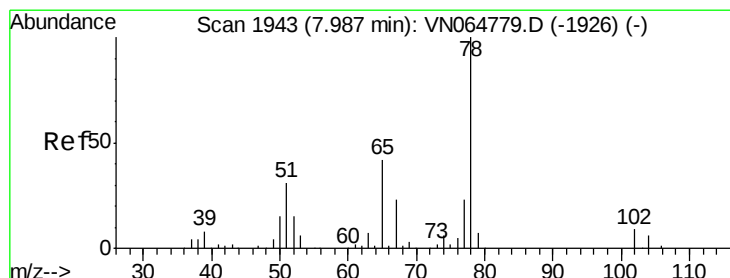
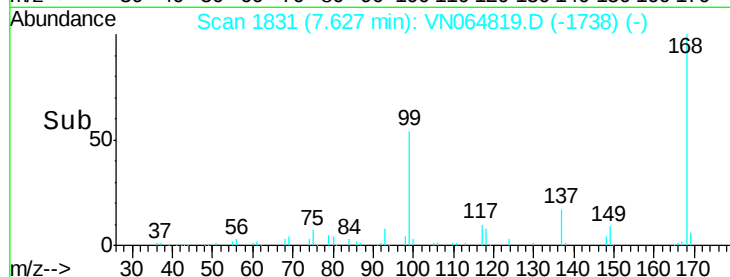
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.215 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064819.D

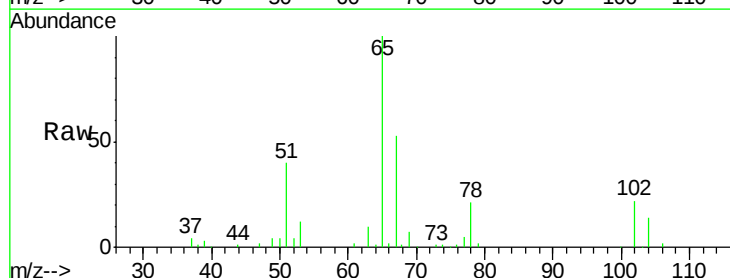
Acq: 24 Nov 2020 18:40

Tgt Ion: 65 Resp: 102045

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

7.99

50000

40000

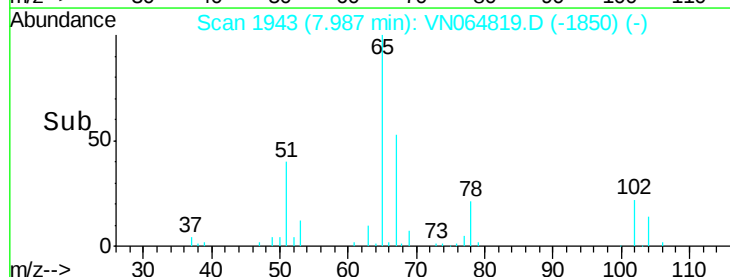
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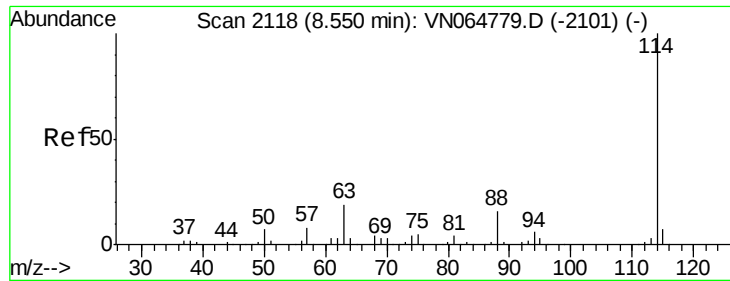
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

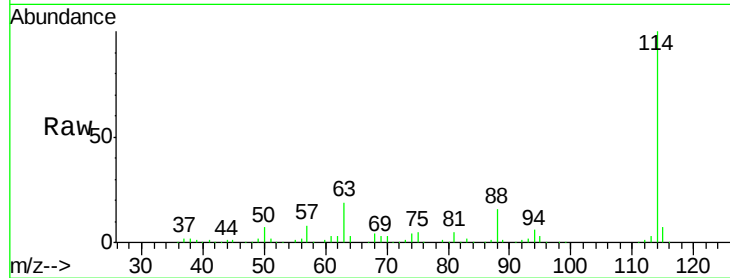
ClientSampleId :

MW-3DL

Tot Ion:	114	Resp:	302832
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	38.6
88	15.8	0.0	32.6

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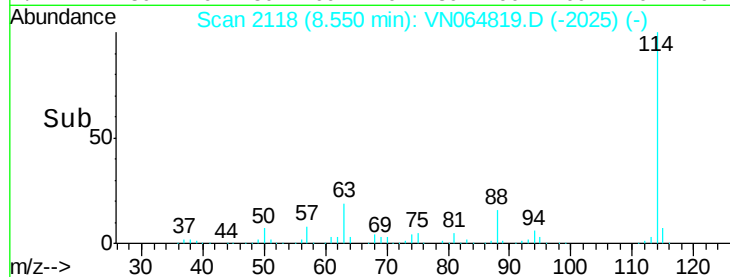
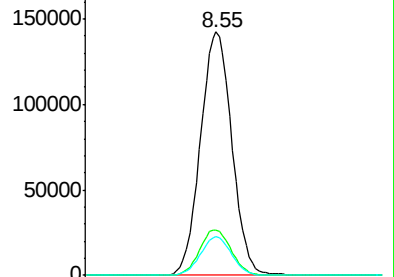
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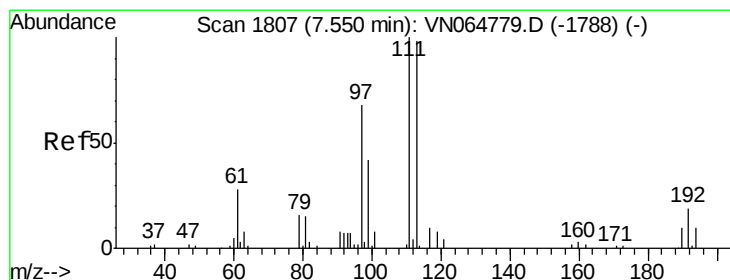
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)



Time-->



#35

Dibromofluoromethane

Concen: 52.558 ug/l

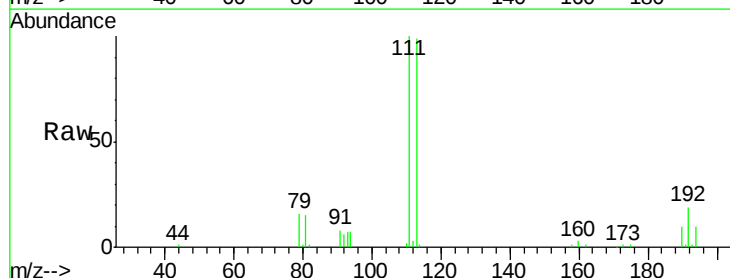
RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

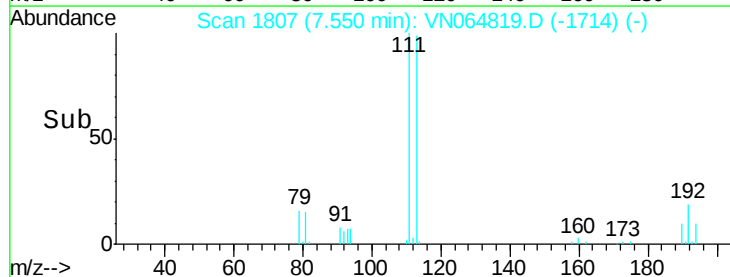
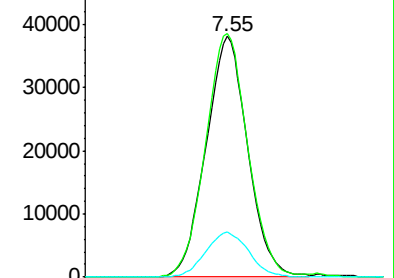
Tgt Ion:	113	Resp:	95237
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	19.4	16.2	24.2



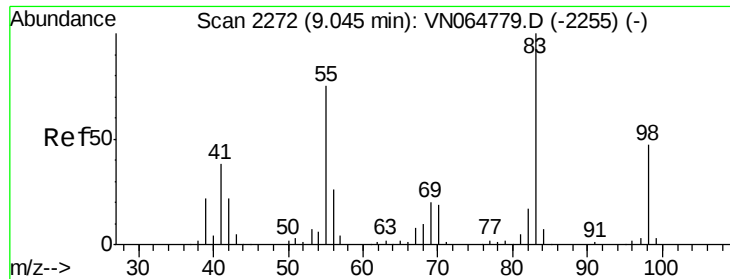
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): VN064779.D (-1788) (-)

Ion 191.70 (191.40 to 192.40): VN064779.D (-1788) (-)



Time-->



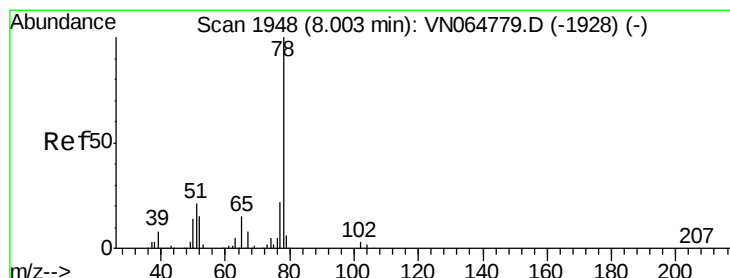
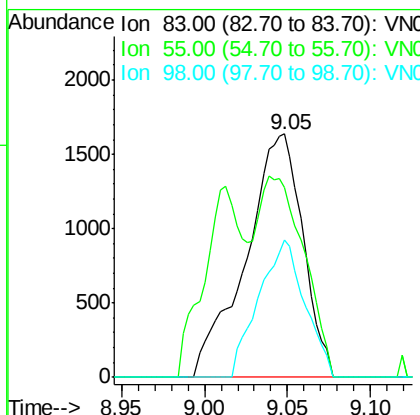
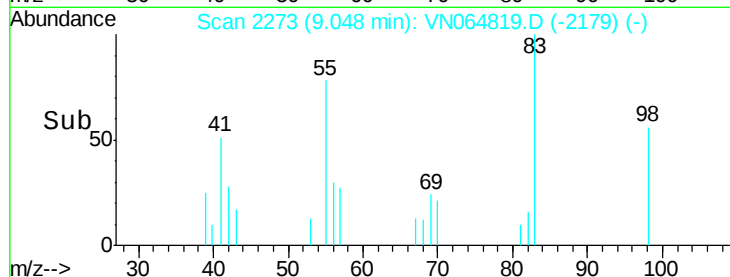
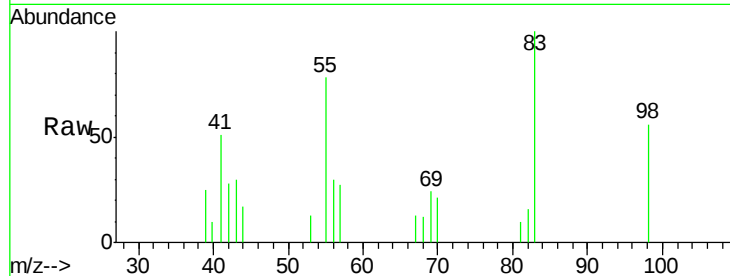
#39
Methvlcvclohexane
Concen: 1.300 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.2	90.2
98	56.2	37.4	56.2#

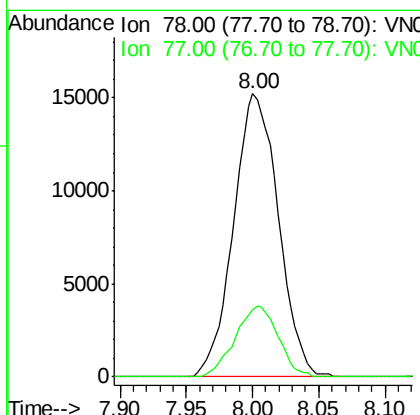
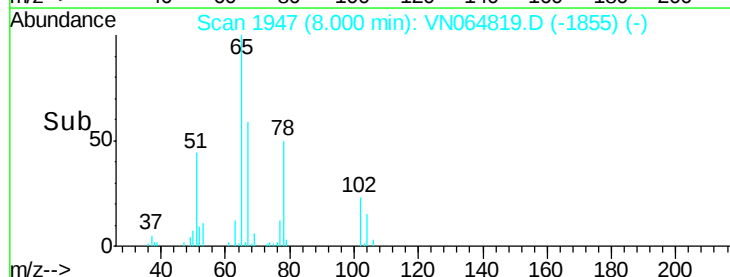
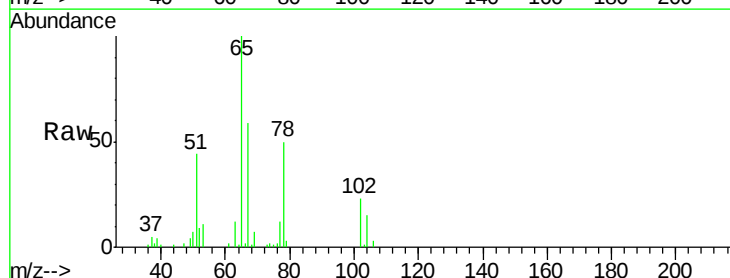
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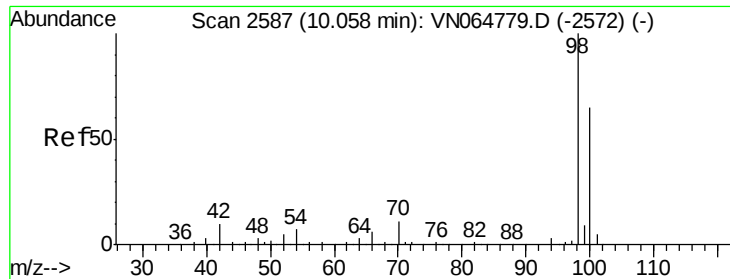
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#40
Benzene
Concen: 4.158 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.9	26.9





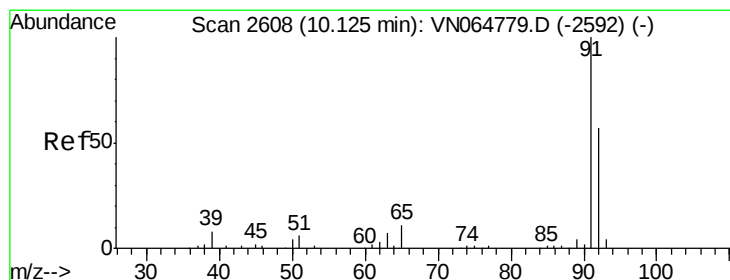
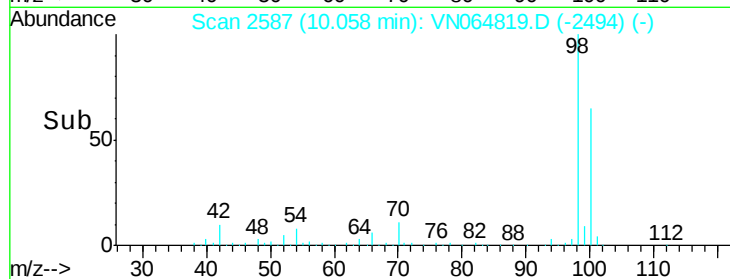
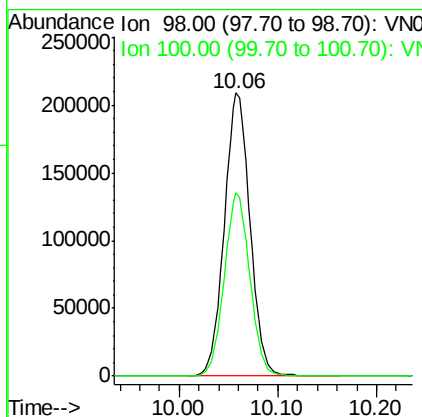
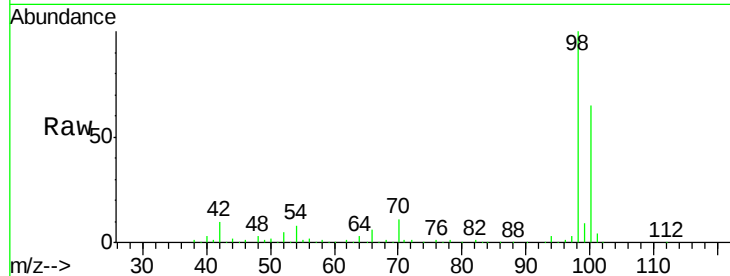
#50
Toluene-d8
Concen: 51.386 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion: 98 Resp: 380454
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

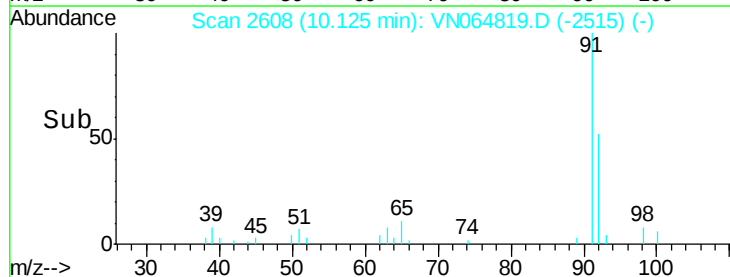
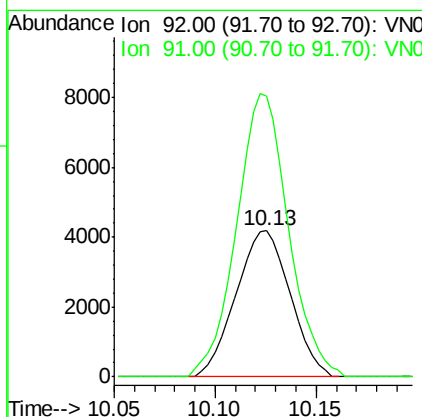
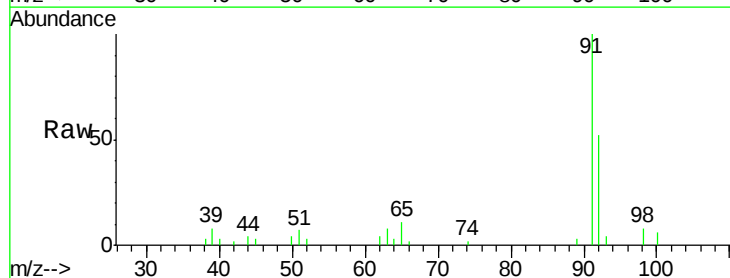
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#52
Toluene
Concen: 1.486 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion: 92 Resp: 7870
Ion Ratio Lower Upper
92 100
91 185.3 139.1 208.7





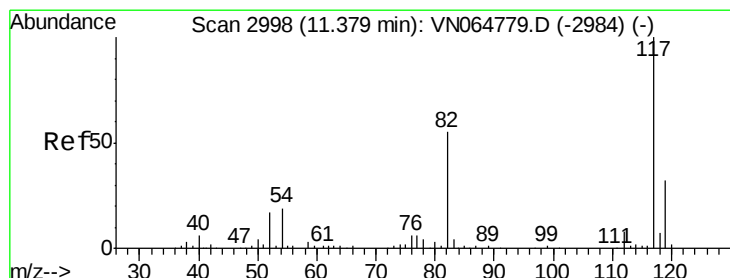
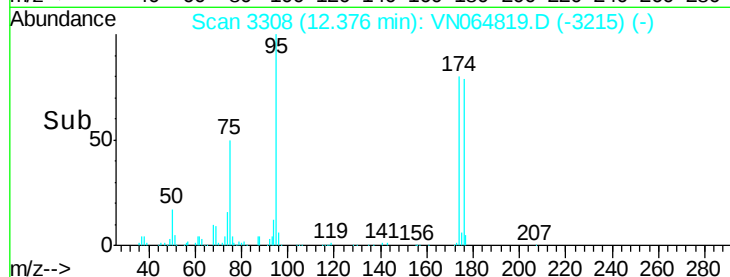
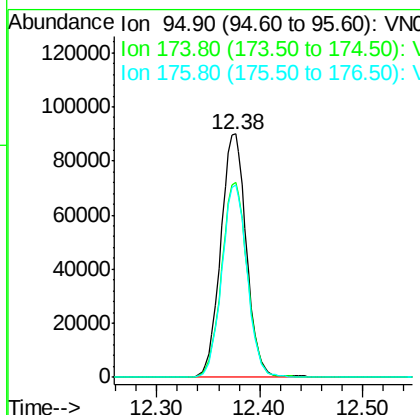
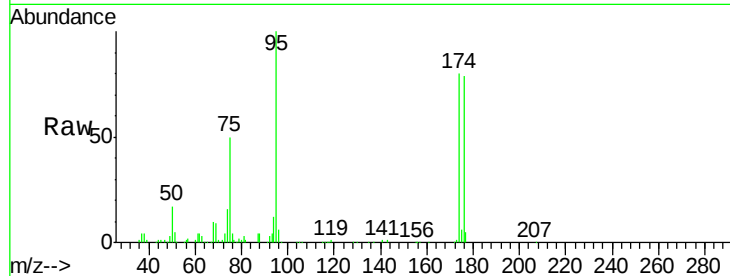
#62
4-Bromofluorobenzene
Concen: 58.820 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	155856		
174	79.9	0.0	160.4	
176	78.0	0.0	158.4	

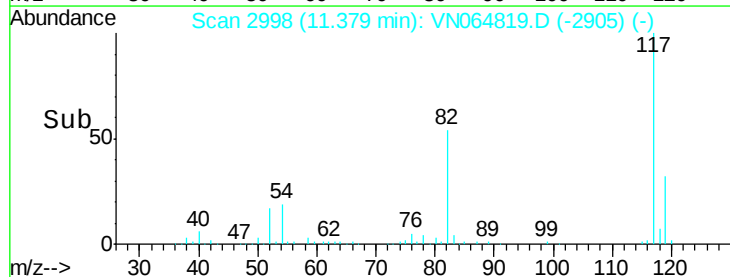
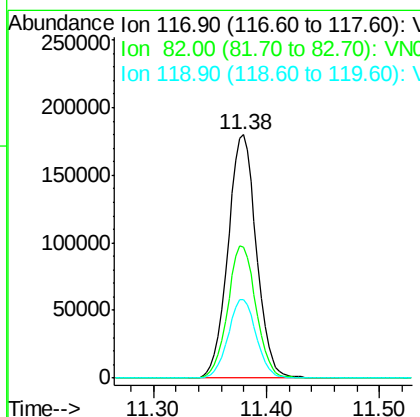
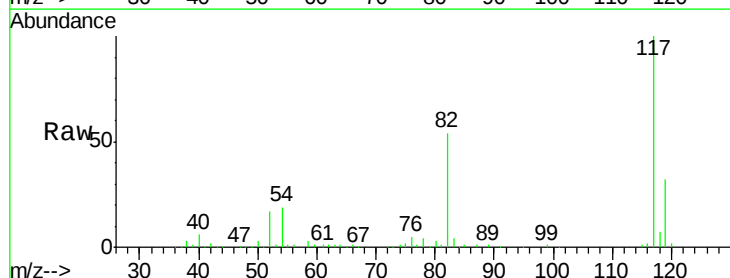
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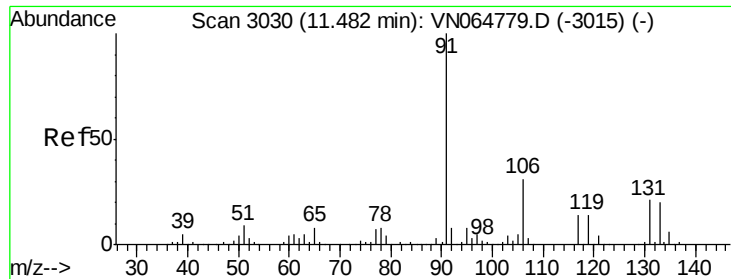
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	314836		
82	53.9	44.2	66.2	
119	32.4	25.8	38.6	





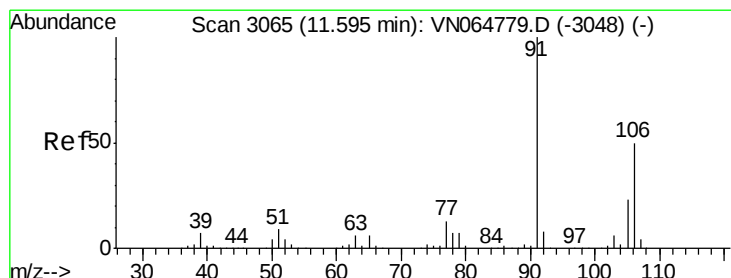
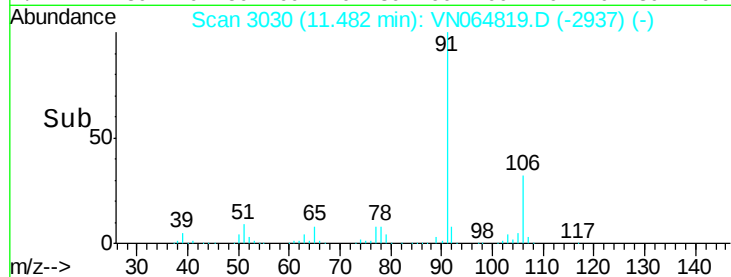
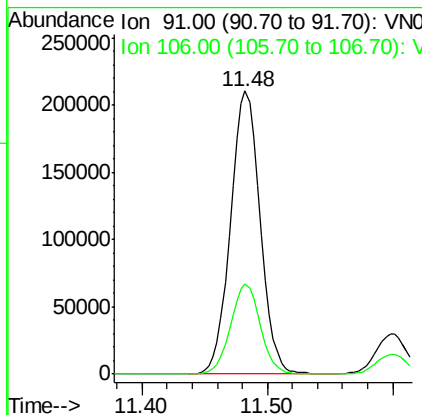
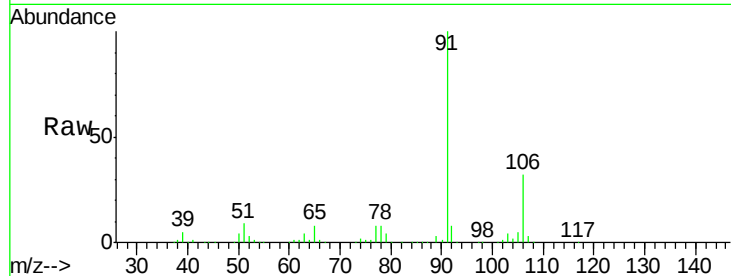
#67
Ethyl Benzene
Concen: 30.540 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion: 91 Resp: 344937
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

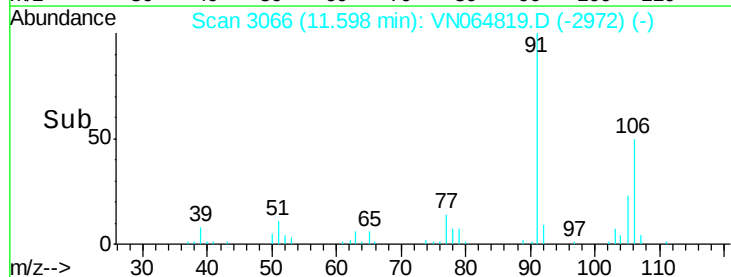
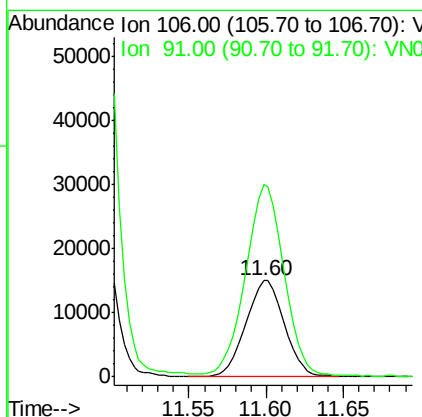
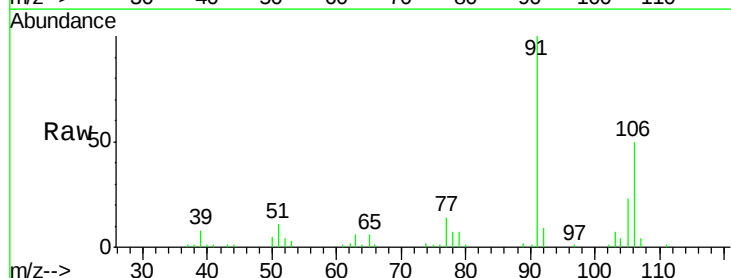
Manual Integrations
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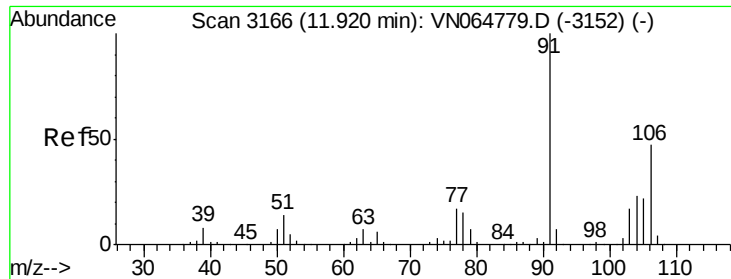
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#68
m/p-Xylenes
Concen: 6.141 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion: 106 Resp: 26260
Ion Ratio Lower Upper
106 100
91 201.4 161.0 241.4





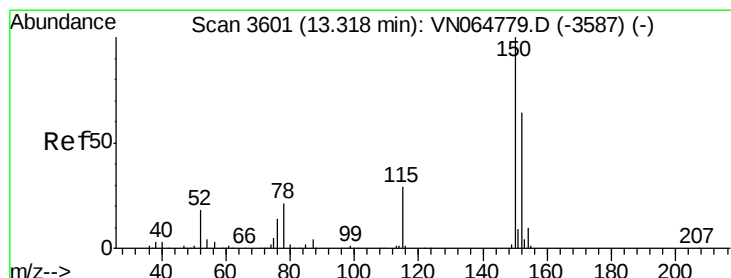
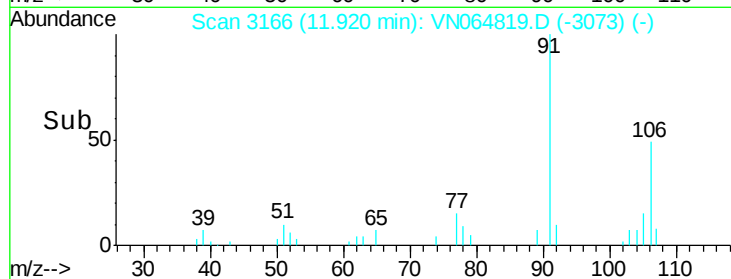
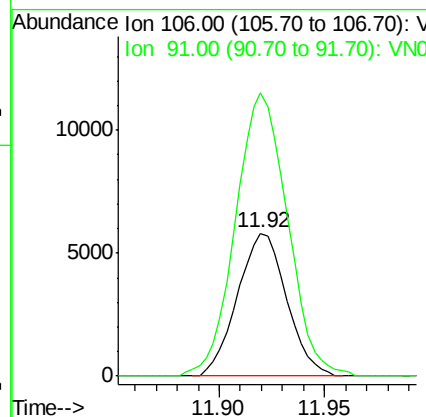
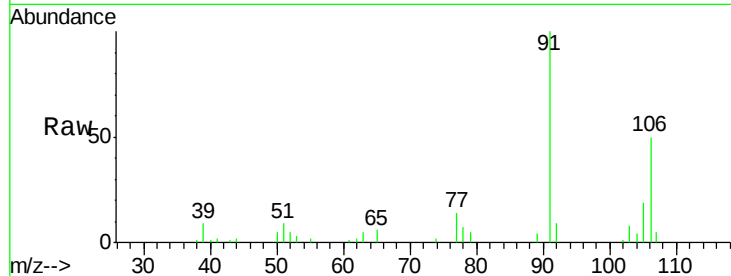
#69
o-Xylene
Concen: 2.323 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion:106 Resp: 9427
Ion Ratio Lower Upper
106 100
91 209.1 105.5 316.5

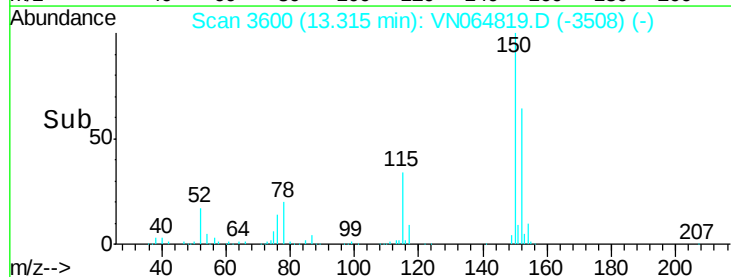
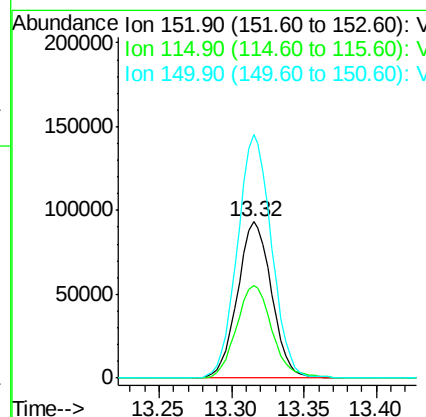
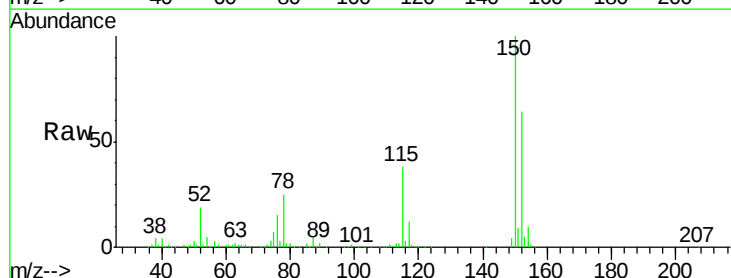
Manual Integrations
APPROVED

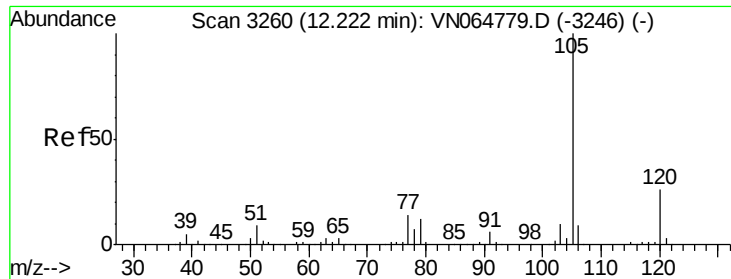
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion:152 Resp: 152512
Ion Ratio Lower Upper
152 100
115 62.4 29.7 89.1
150 156.4 0.0 350.6





#73

Isopropylbenzene

Concen: 1.452 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tot Ion: 105 Resp: 15398

Ion Ratio Lower Upper

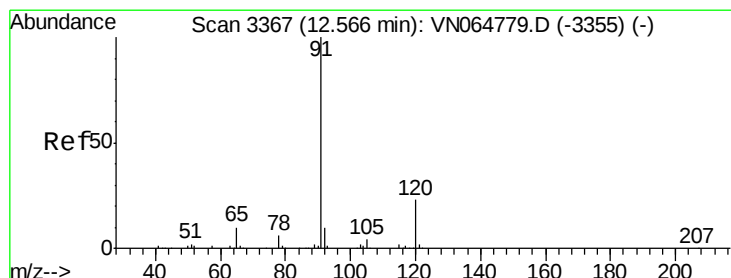
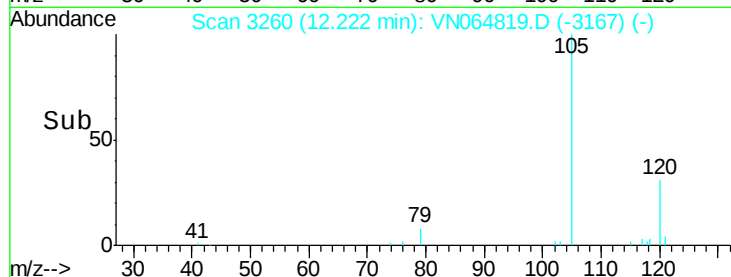
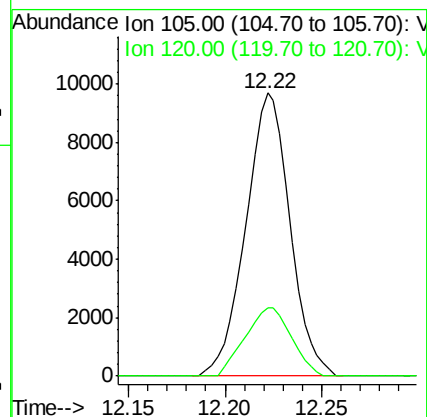
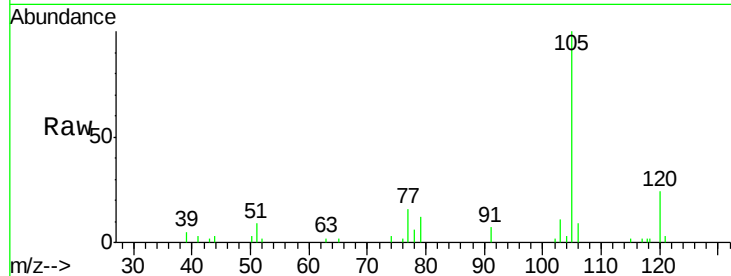
105 100

120 25.3 13.3 39.9

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#78

n-propylbenzene

Concen: 2.964 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064819.D

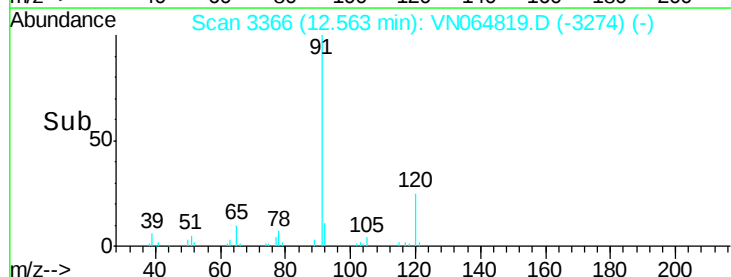
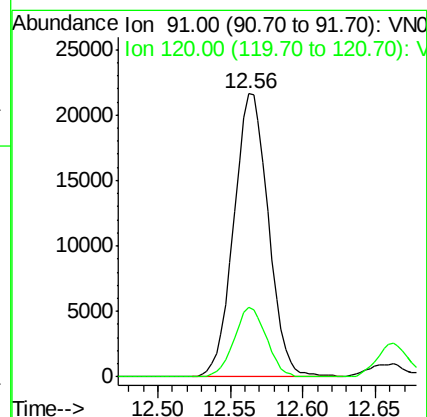
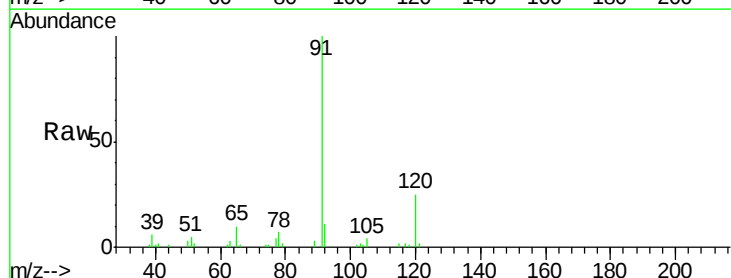
Acq: 24 Nov 2020 18:40

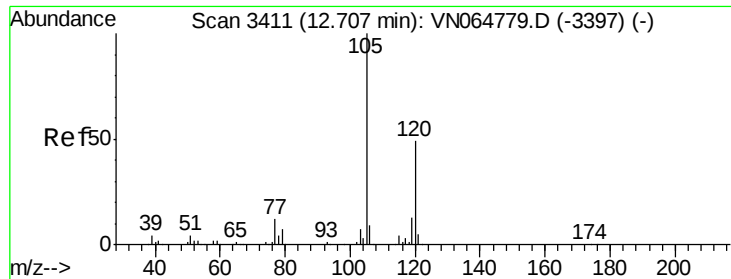
Tgt Ion: 91 Resp: 35815

Ion Ratio Lower Upper

91 100

120 22.8 11.6 34.7





#80

1,3,5-Trimethylbenzene

Concen: 1.330 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. -0.04 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tot Ion:105 Resp: 11730

Ion Ratio Lower Upper

105 100

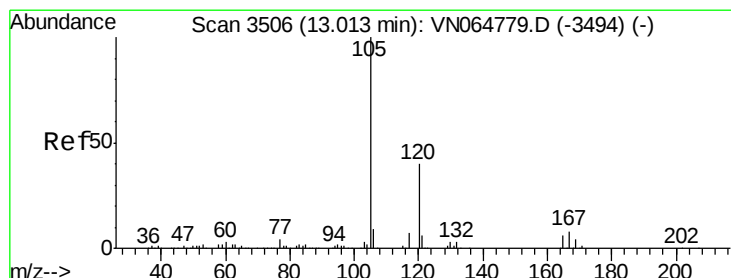
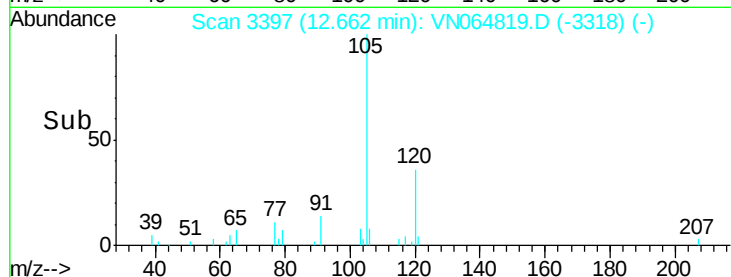
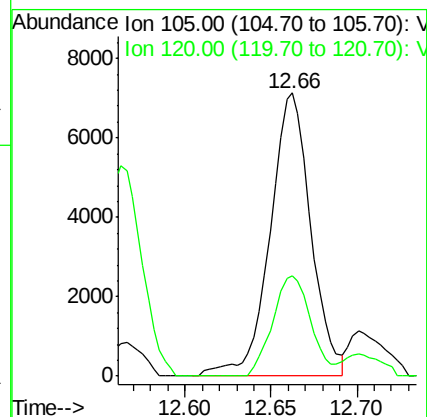
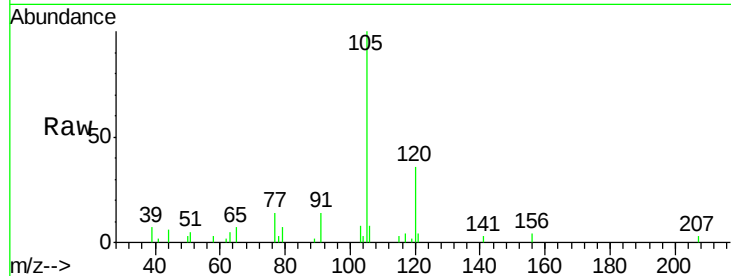
120 33.3 24.6 73.6

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#84

1,2,4-Trimethylbenzene

Concen: 32.729 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064819.D

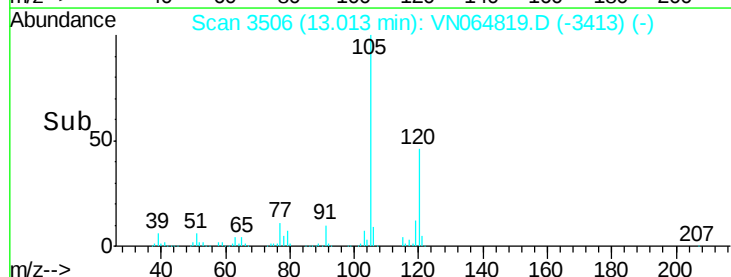
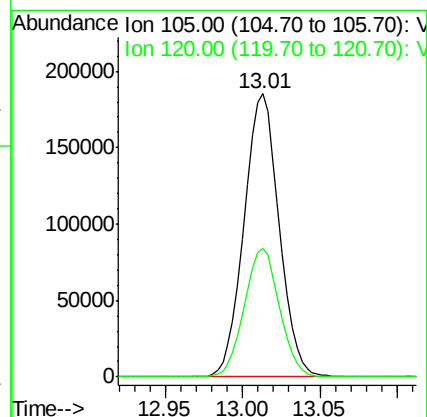
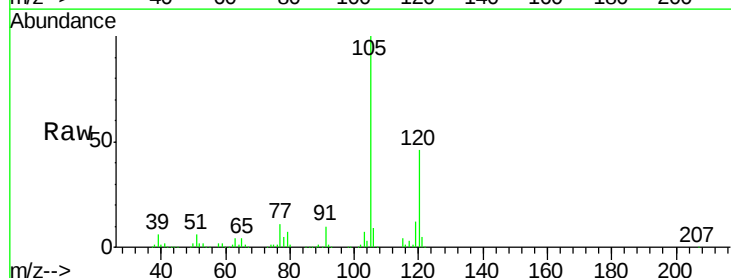
Acq: 24 Nov 2020 18:40

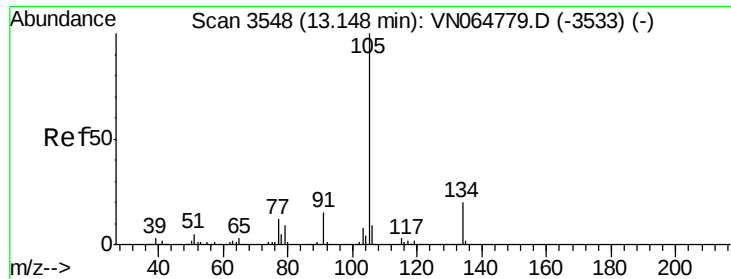
Tgt Ion:105 Resp: 291781

Ion Ratio Lower Upper

105 100

120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.536 ug/l m

RT: 13.14 min Scan# 3546

Delta R.T. -0.01 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tot Ion:105 Resp: 5255

Ion Ratio Lower Upper

105 100

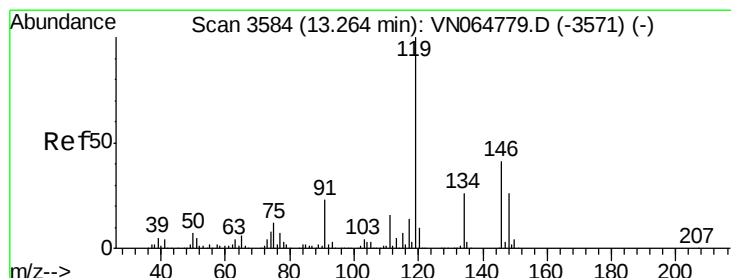
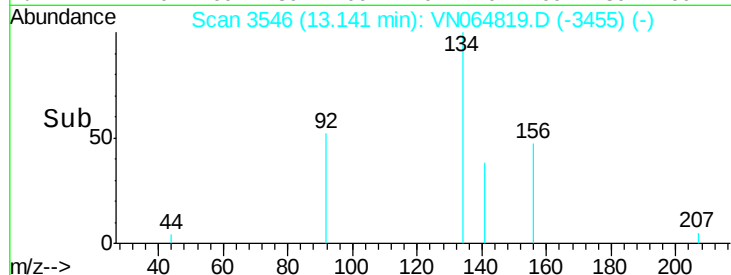
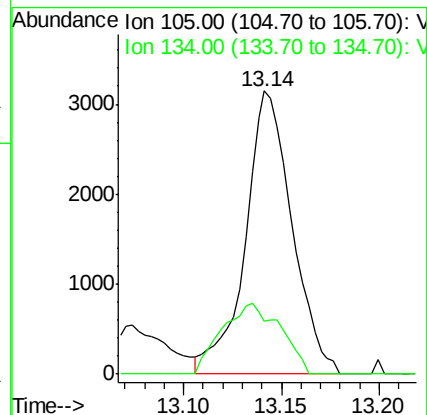
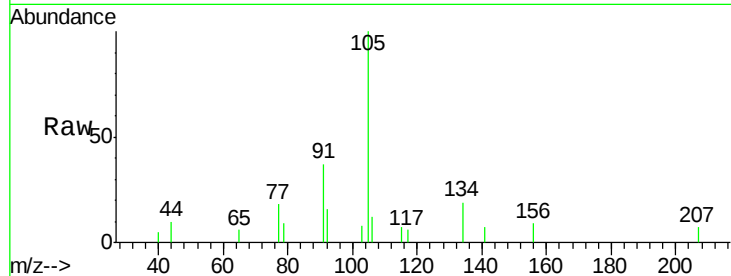
134 0.0 10.1 30.1#

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#86

p-Isopropyltoluene

Concen: 0.323 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

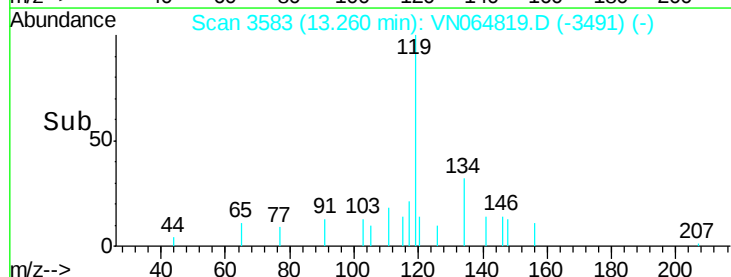
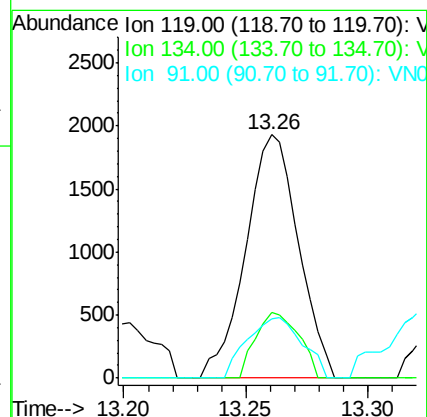
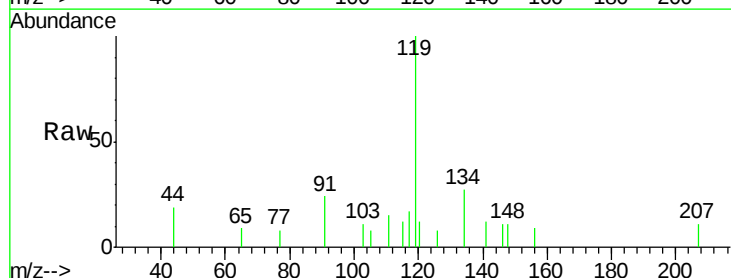
Tgt Ion:119 Resp: 2888

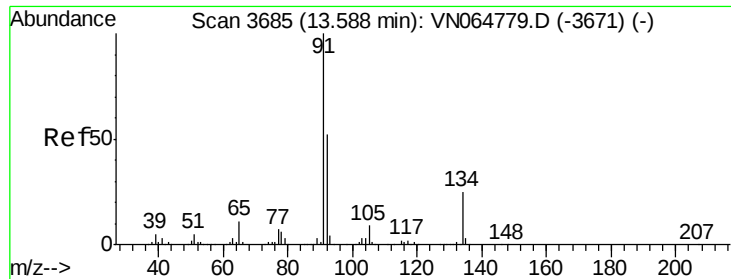
Ion Ratio Lower Upper

119 100

134 21.9 13.1 39.1

91 0.0 11.5 34.5#





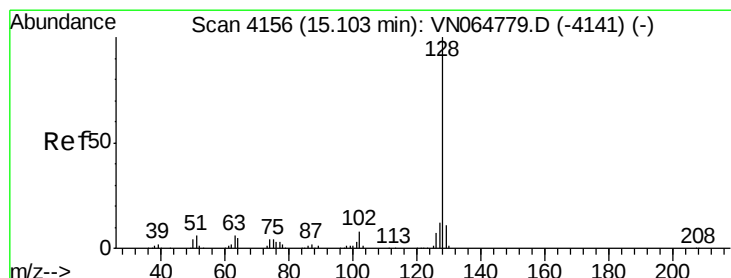
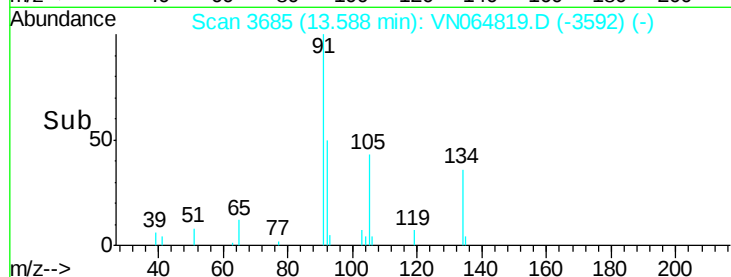
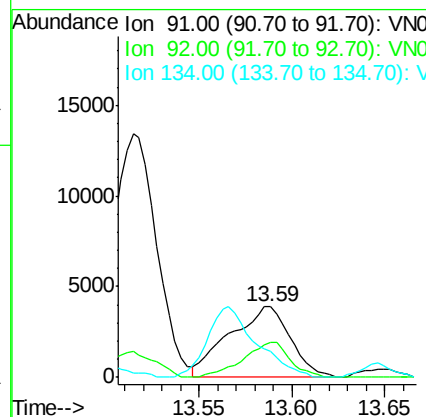
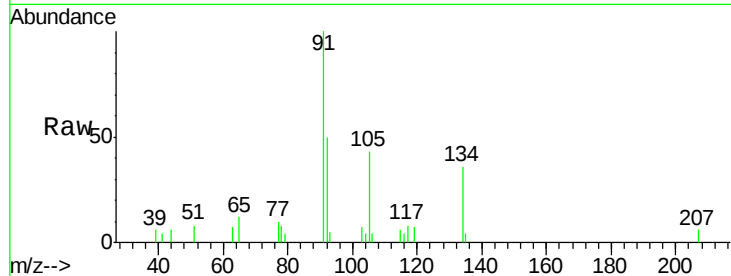
#89
n-Butylbenzene
Concen: 1.135 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampled :
MW-3DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	38.3	26.0	78.0
134	0.0	12.9	38.6

Manual Integrations
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#95
Naphthalene
Concen: 13.733 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.5	8.7	13.1

