

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
 Data File : VN061210.D
 Acq On : 30 Apr 2020 18:38
 Operator : JC/MD
 Sample : L2453-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 5/1/2020 10:54:41 AM

Quant Time: May 01 09:03:38 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	123233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	213613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	202269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	88116	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
35) Dibromofluoromethane	7.55	113	60755	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.06	98	263550	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.38	95	105082	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
Target Compounds						
					Qvalue	
16) Acetone	3.76	43	46713	57.693	ug/l #	70
25) 2-Butanone	6.78	43	6071	5.262	ug/l #	84
31) Cyclohexane	7.61	56	121548	42.849	ug/l	95
39) Methylcyclohexane	9.05	83	71897	29.981	ug/l	93
67) Ethyl Benzene	11.49	91	447771	59.615	ug/l	100
68) m/p-Xylenes	11.59	106	460049	167.335	ug/l	97
69) o-Xylene	11.92	106	167358	63.373	ug/l	95
73) Isopropylbenzene	12.22	105	237331	32.507	ug/l	100
78) n-propylbenzene	12.57	91	818523	94.520	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	787680	130.352	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	3006055	482.850	ug/l	95
86) p-Isopropyltoluene	13.26	119	14537m	2.323	ug/l	
89) n-Butylbenzene	13.59	91	30887	5.383	ug/l #	59
95) Naphthalene	15.10	128	274378	46.506	ug/l	99

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

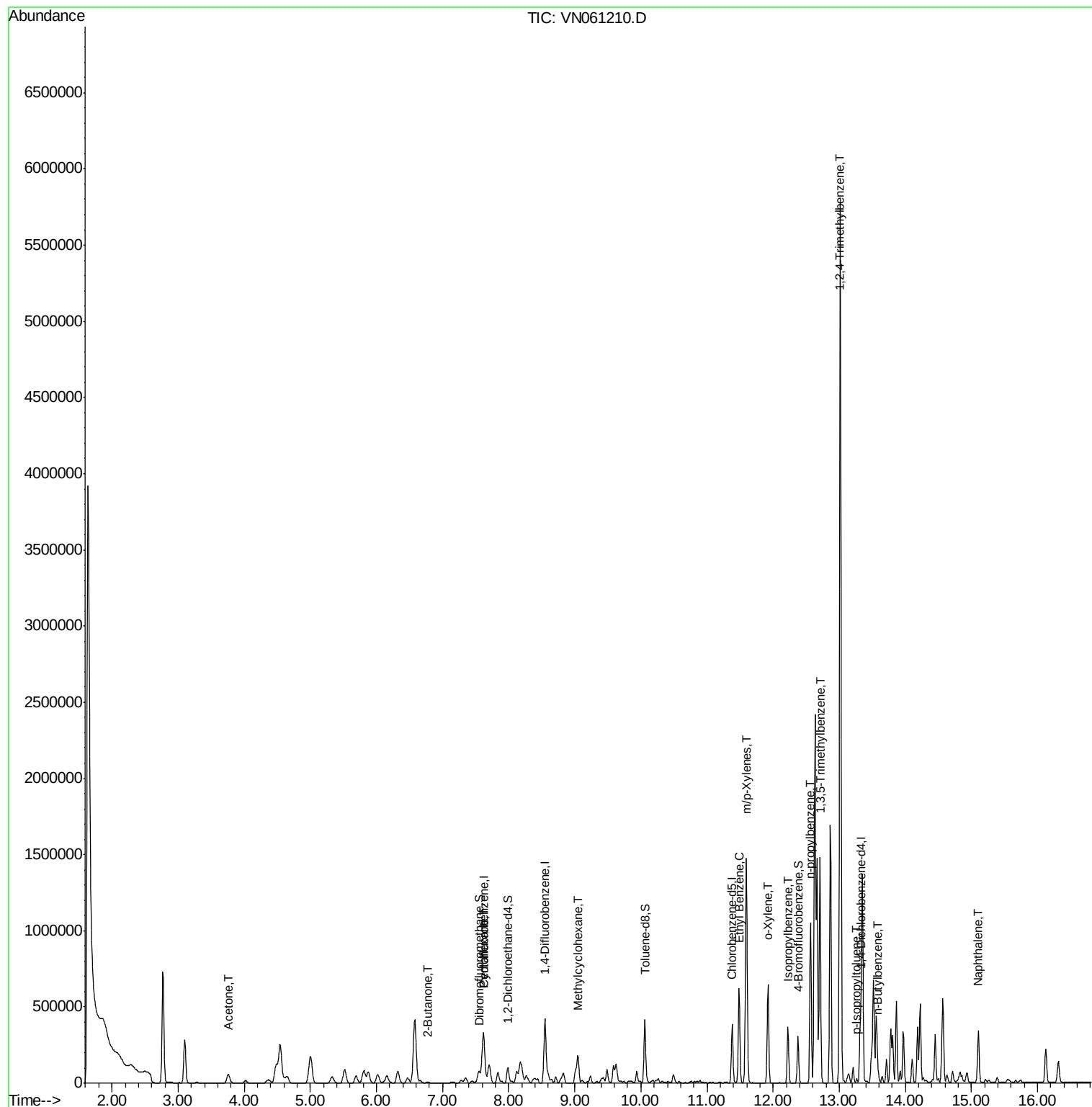
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
Data File : VN061210.D
Acq On : 30 Apr 2020 18:38
Operator : JC/MD
Sample : L2453-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

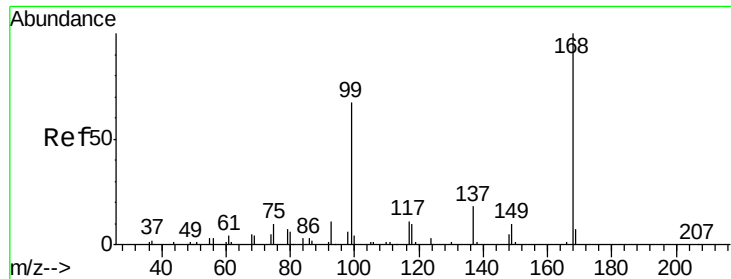
Instrument :
MSVOA_N
ClientSampleId :
MW-2

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5/1/2020 10:54:41 AM

Quant Time: May 01 09:03:38 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: VN061210.D

Acq: 30 Apr 2020 18:38

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:168 Resp: 123233

Ion Ratio Lower Upper

168 100

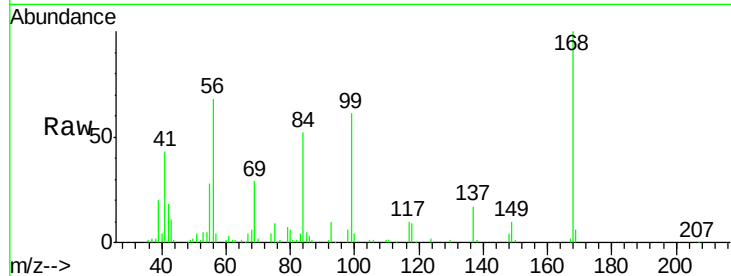
99 61.0 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN061210.D (-1784) (-)

Ion 98.90 (98.60 to 99.60): VN061210.D (-1784) (-)

7.63

60000

50000

40000

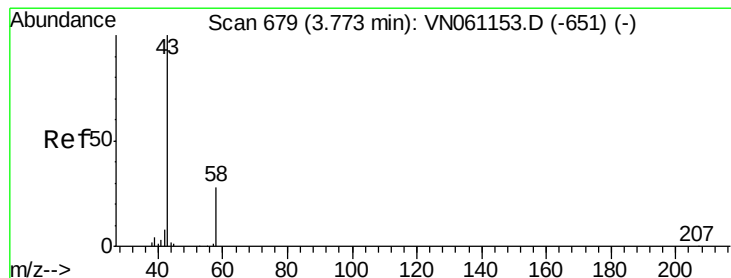
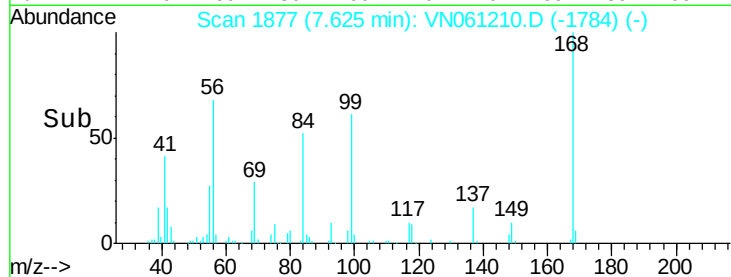
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 57.693 ug/l

RT: 3.76 min Scan# 676

Delta R.T. -0.01 min

Lab File: VN061210.D

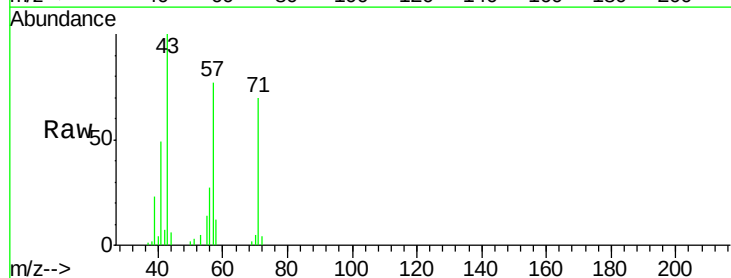
Acq: 30 Apr 2020 18:38

Tgt Ion: 43 Resp: 46713

Ion Ratio Lower Upper

43 100

58 12.2 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN061210.D (-586) (-)

Ion 58.00 (57.70 to 58.70): VN061210.D (-586) (-)

3.76

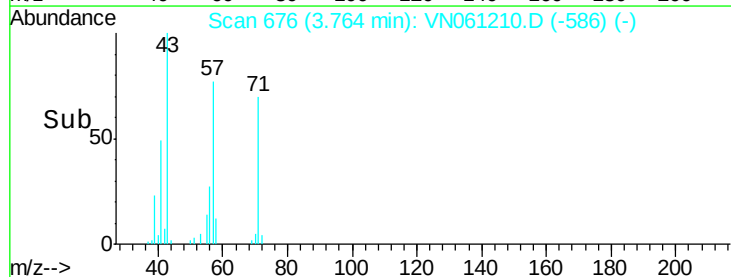
15000

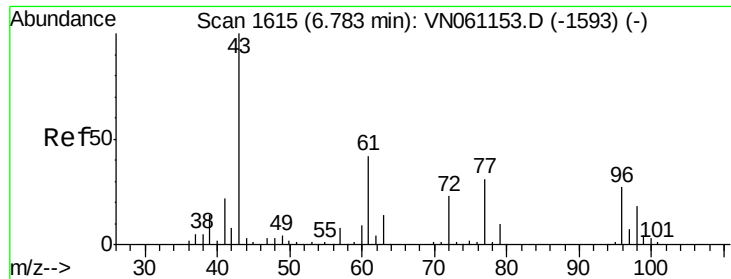
10000

5000

0

Time--> 3.70 3.80 3.90





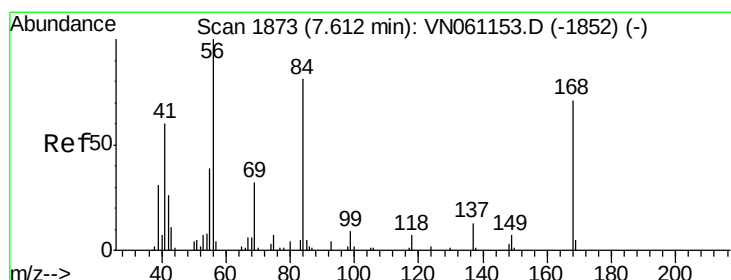
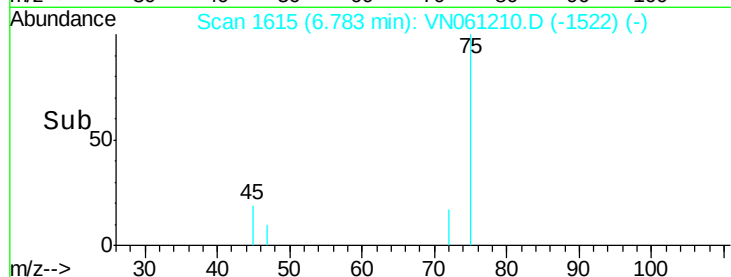
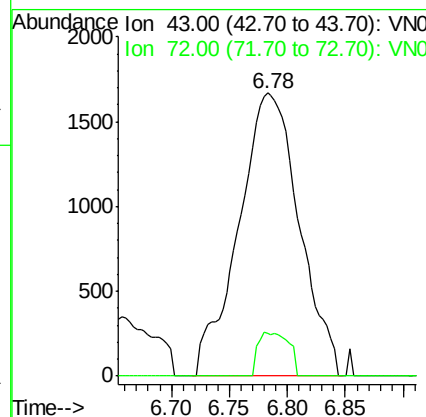
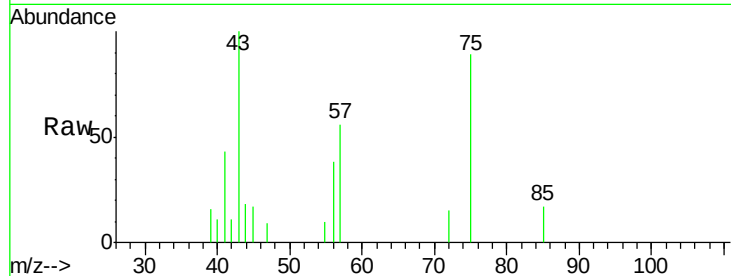
#25
2-Butanone
Concen: 5.262 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion: 43 Resp: 6071
Ion Ratio Lower Upper
43 100
72 15.0 18.2 27.4#

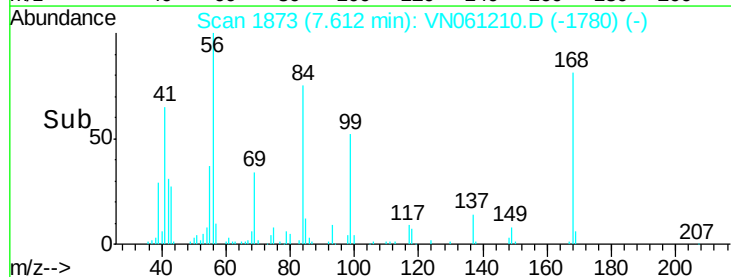
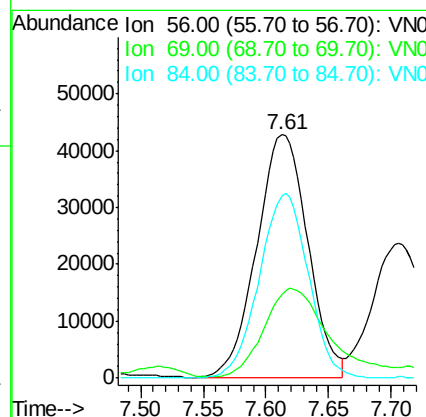
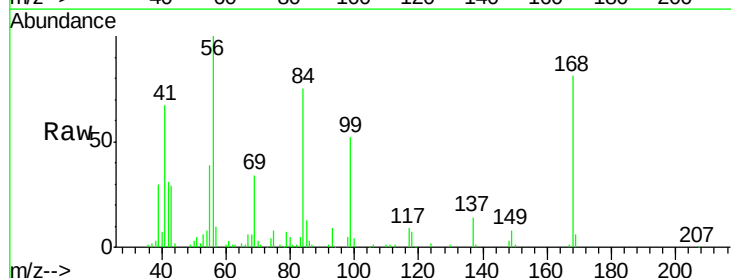
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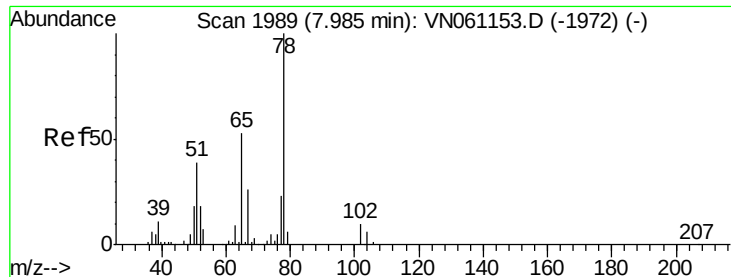
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#31
Cyclohexane
Concen: 42.849 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Tgt Ion: 56 Resp: 121548
Ion Ratio Lower Upper
56 100
69 32.9 25.7 38.5
84 74.8 64.6 97.0





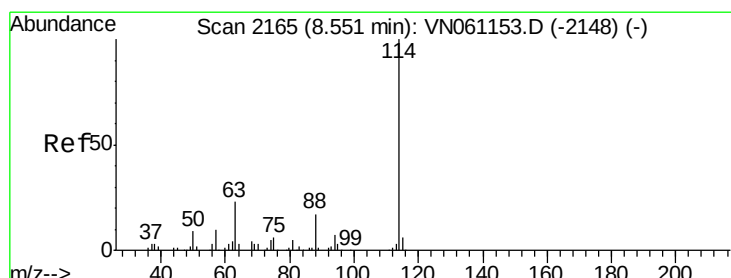
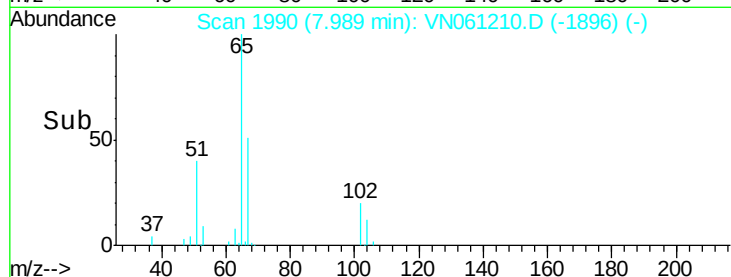
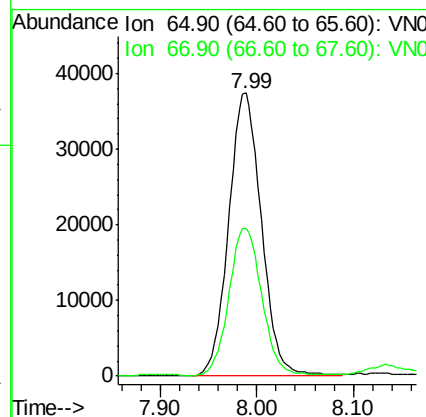
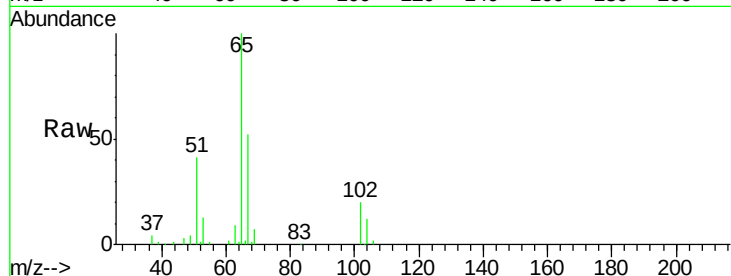
#33
 1,2-Dichloroethane-d4
 Concen: 45.189 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Resp	Lower	Upper
65	100	88116		
67	52.7	0.0	101.6	

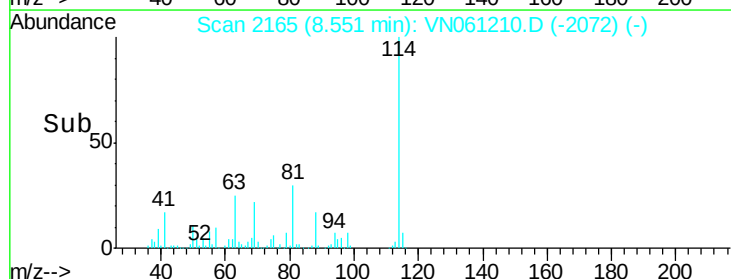
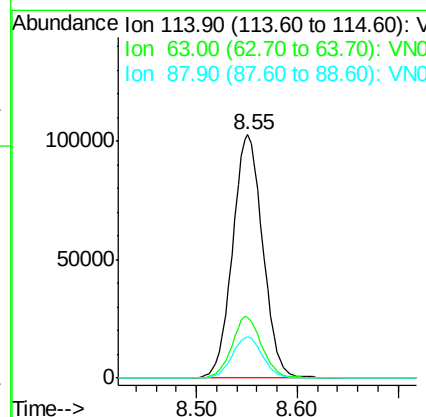
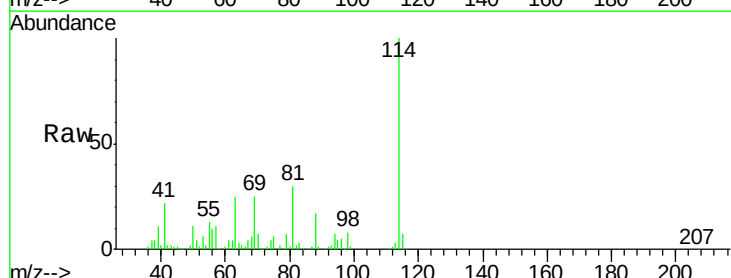
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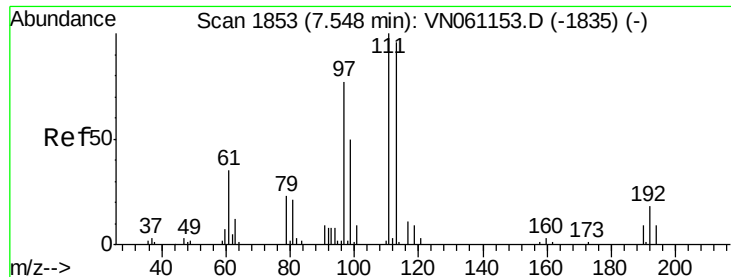
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	213613		
63	24.9	0.0	46.6	
88	16.8	0.0	33.4	





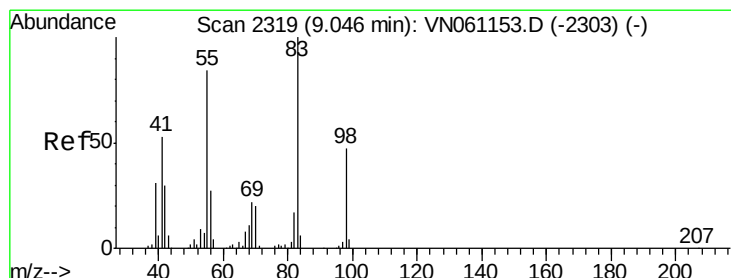
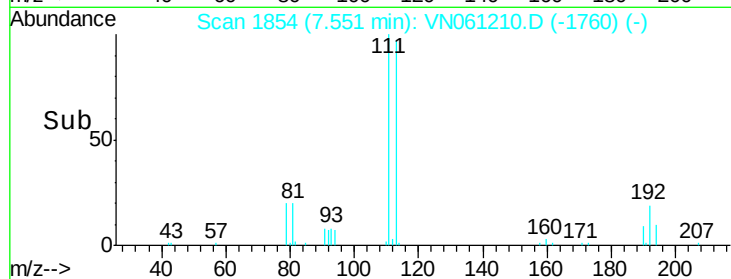
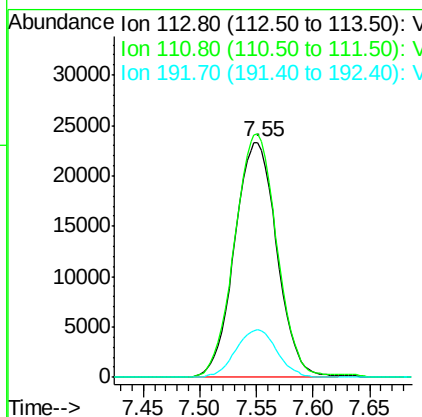
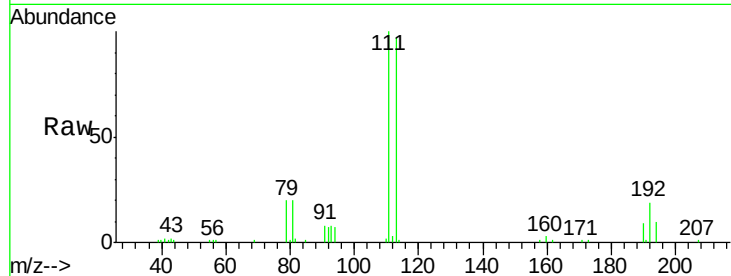
#35
 Dibromofluoromethane
 Concen: 48.098 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	19.6	14.7	22.1

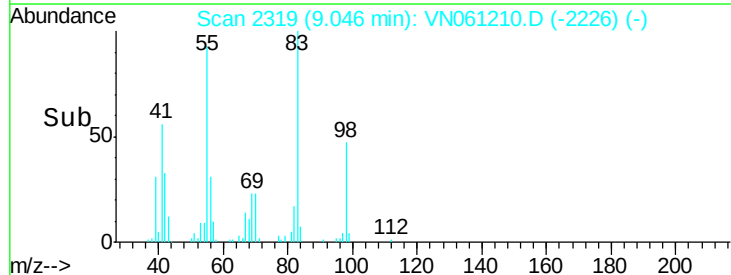
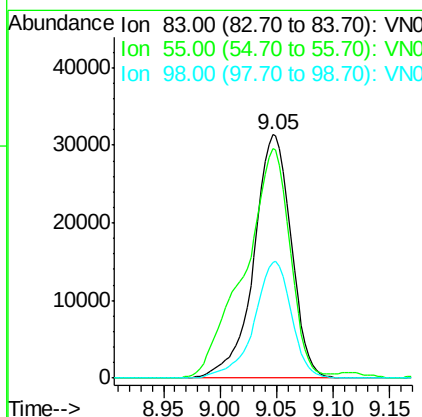
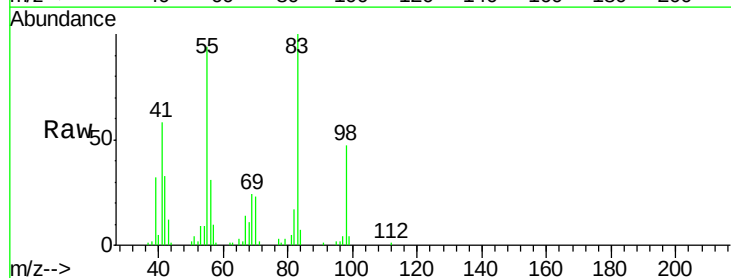
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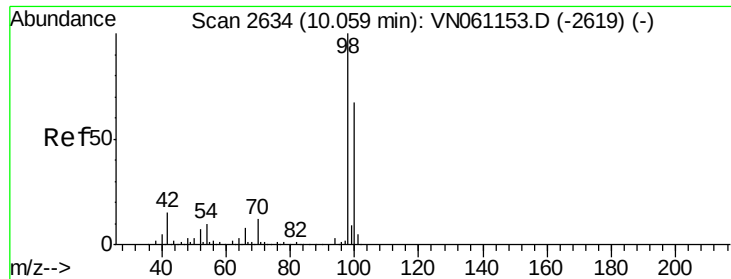
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#39
 Methylcyclohexane
 Concen: 29.981 ug/l
 RT: 9.05 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.6	67.3	100.9
98	47.4	37.7	56.5





#50

Toluene-d8

Concen: 51.182 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061210.D

Acq: 30 Apr 2020 18:38

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 98 Resp: 263550

Ion Ratio Lower Upper

98 100

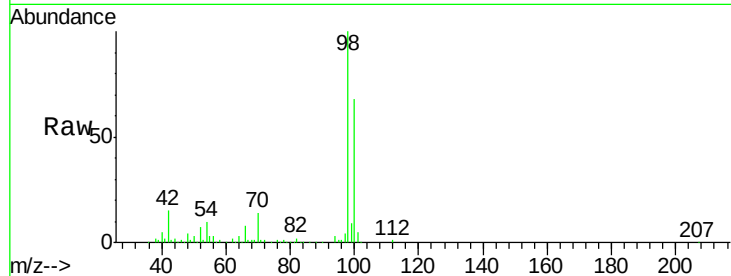
100 66.8 53.4 80.0

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN061210.D (-2541) (-)

Ion 100.00 (99.70 to 100.70): VN061210.D (-2541) (-)

10.06

150000

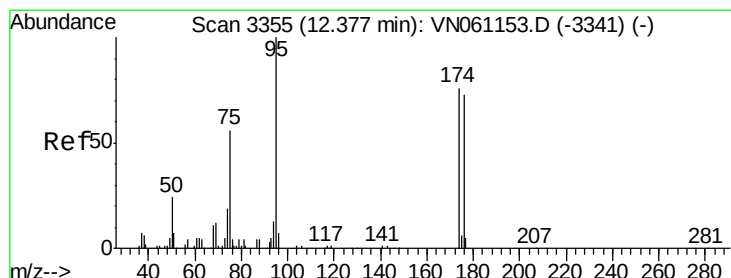
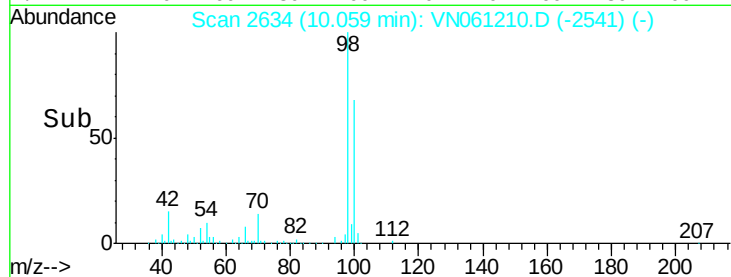
100000

50000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 54.229 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061210.D

Acq: 30 Apr 2020 18:38

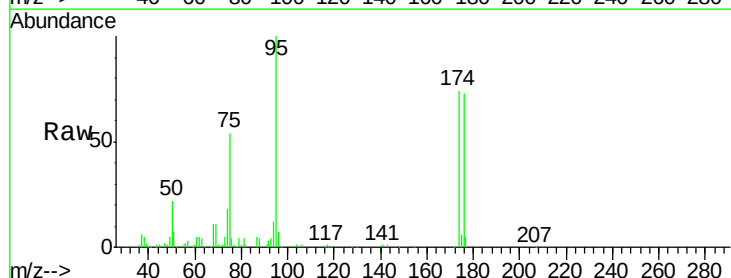
Tgt Ion: 95 Resp: 105082

Ion Ratio Lower Upper

95 100

174 73.1 0.0 149.4

176 71.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061210.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061210.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061210.D (-3262) (-)

12.38

80000

60000

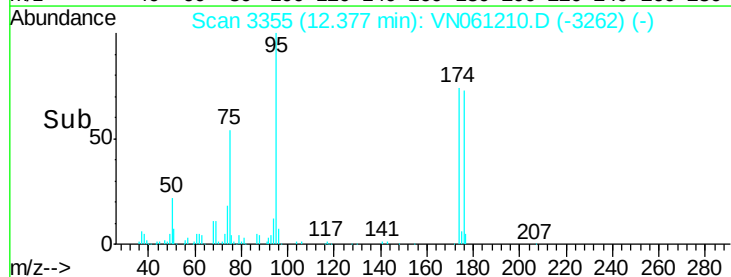
40000

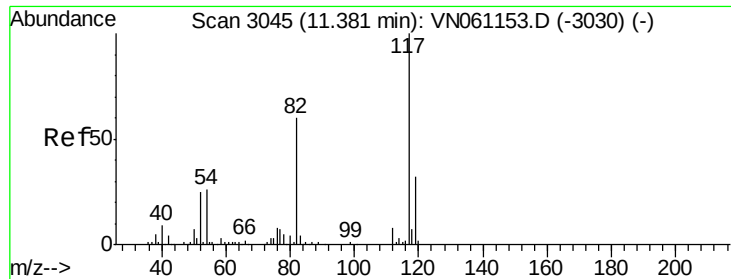
20000

0

Time-->

12.30 12.35 12.40 12.45





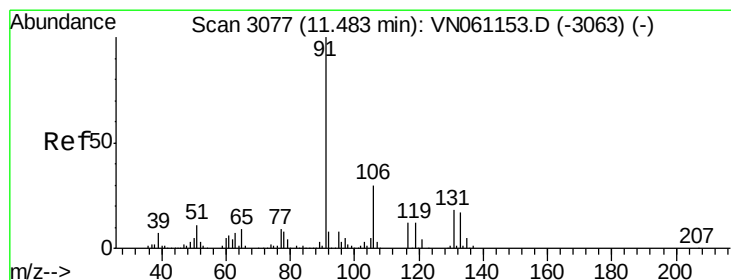
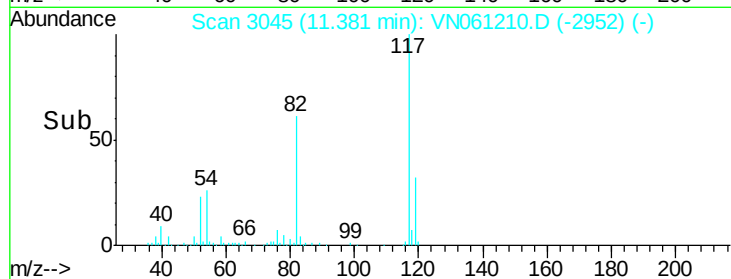
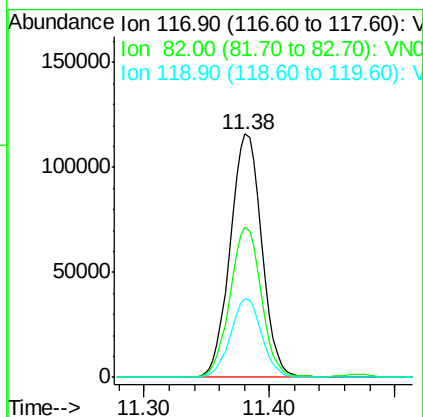
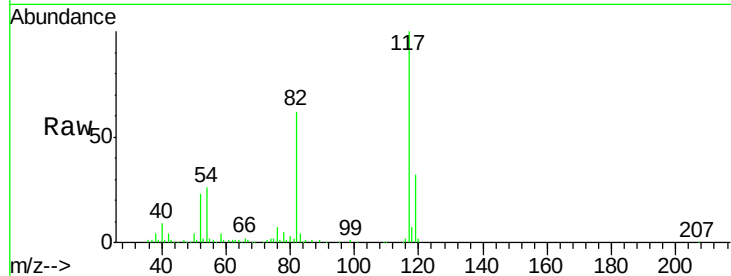
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	47.8	71.8
119	32.3	25.8	38.6

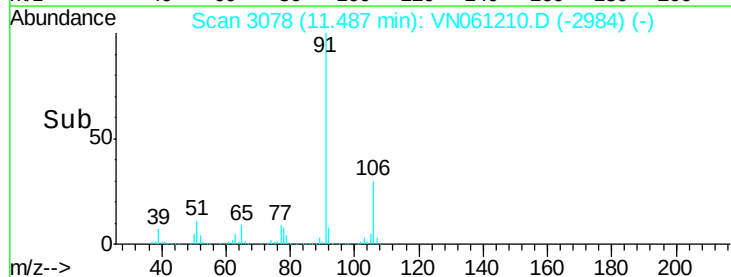
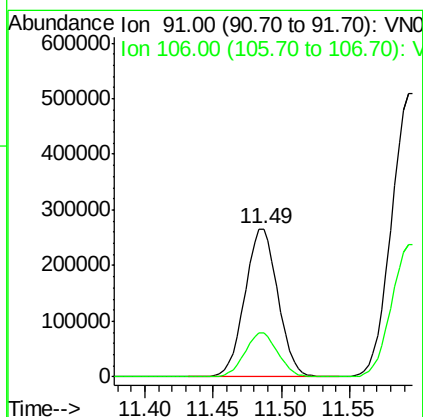
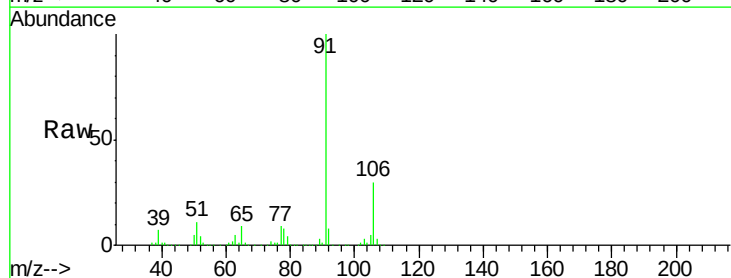
Manual Integrations
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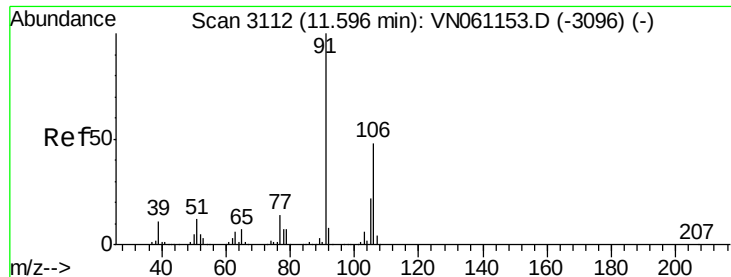
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5/1/2020 10:54:41 AM



#67
Ethyl Benzene
Concen: 59.615 ug/l
RT: 11.49 min Scan# 3078
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.8	35.6





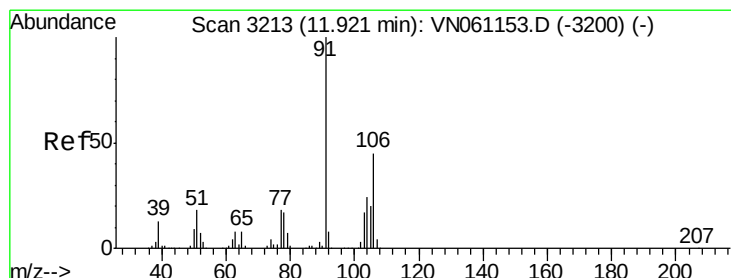
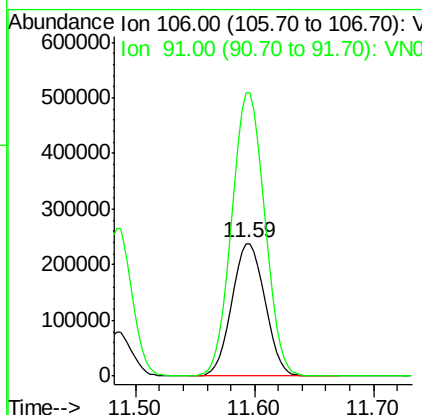
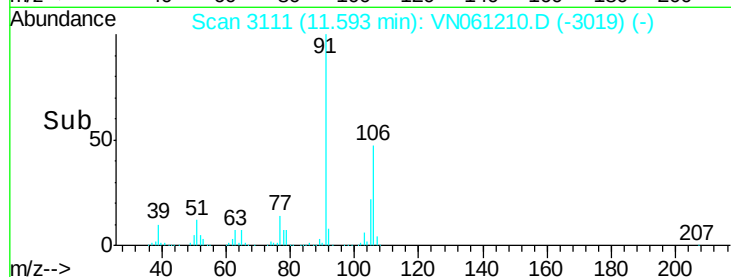
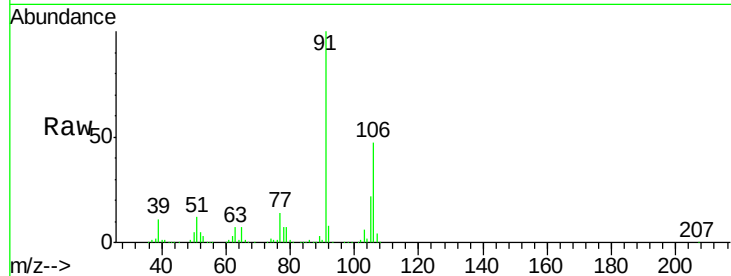
#68
m/p-Xylenes
Concen: 167.335 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.7	166.4	460049	249.6	

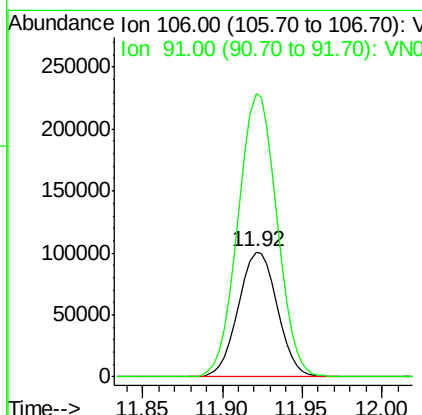
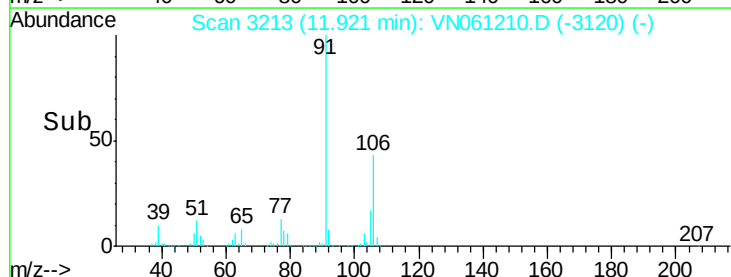
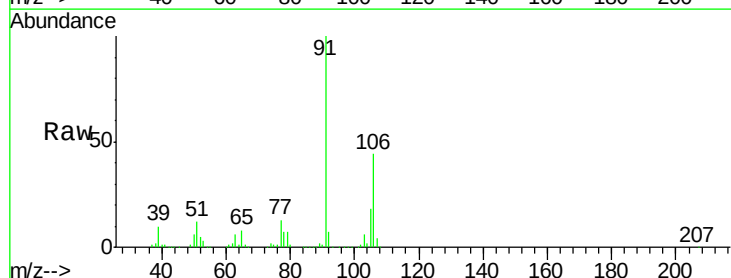
Manual Integrations
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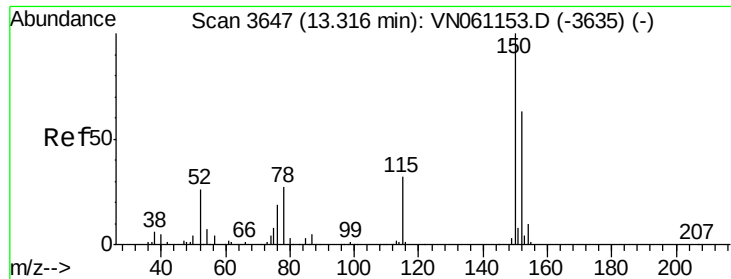
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5/1/2020 10:54:41 AM



#69
o-Xylene
Concen: 63.373 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	226.7	109.7	167358	329.0	





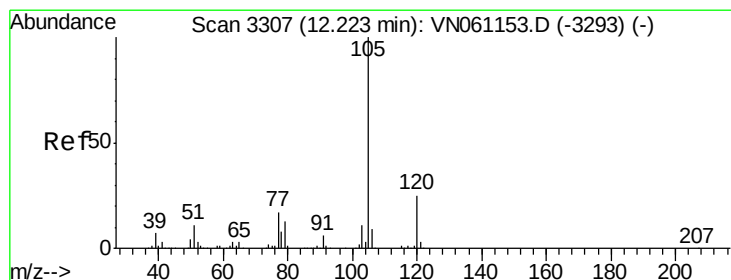
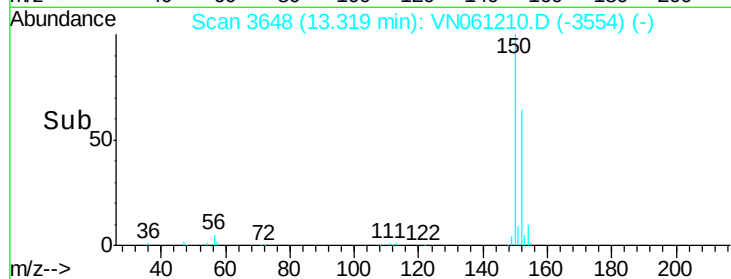
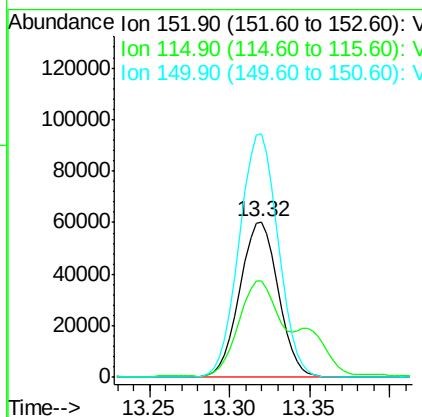
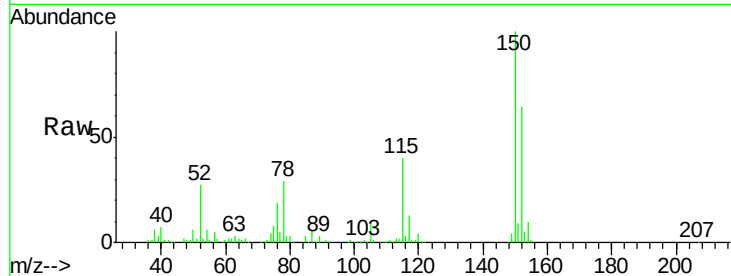
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3648
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.6	31.0	93.0
150	158.6	0.0	351.8

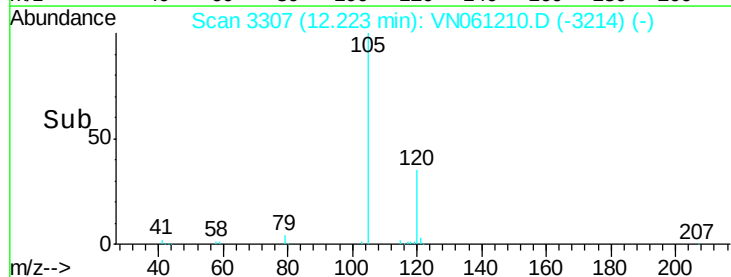
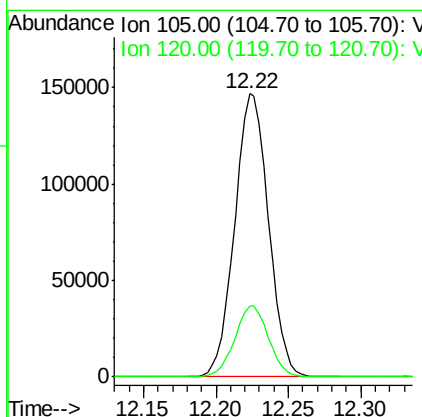
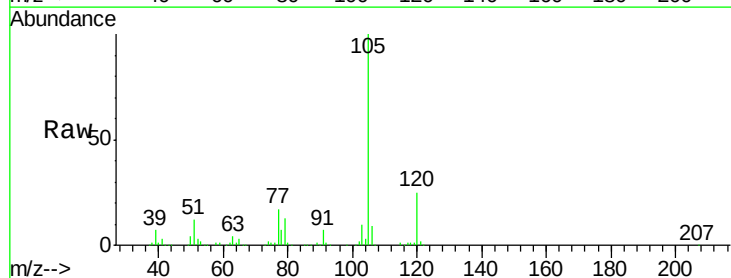
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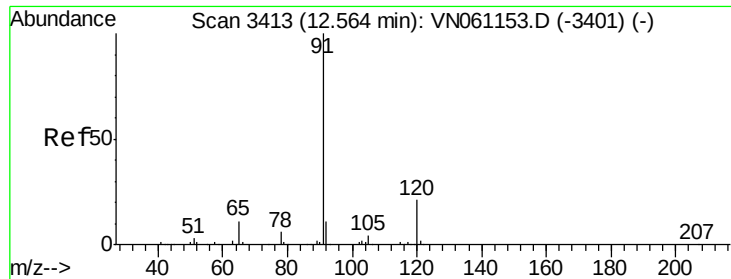
MMDadoda
 5/1/2020 10:54:41 AM



#73
 Isopropylbenzene
 Concen: 32.507 ug/l
 RT: 12.22 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.8





#78

n-propylbenzene

Concen: 94.520 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061210.D

Acq: 30 Apr 2020 18:38

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 91 Resp: 818523

Ion Ratio Lower Upper

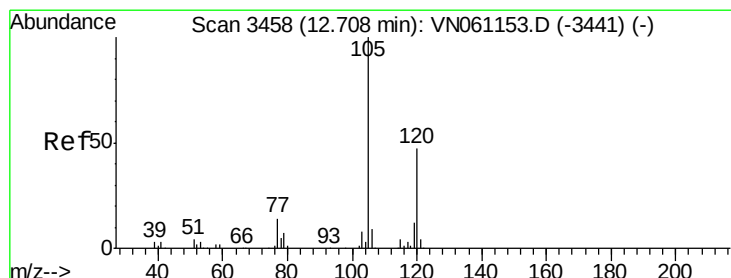
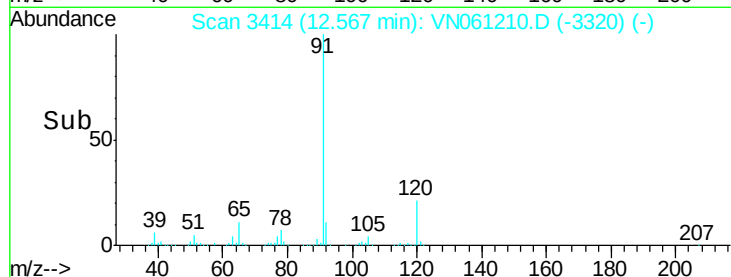
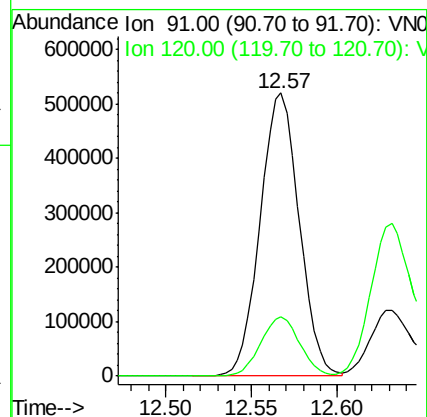
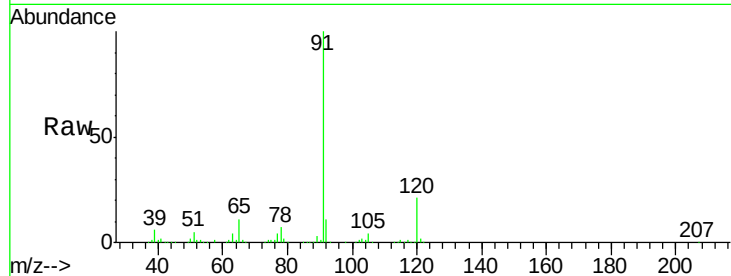
91 100

120 20.9 10.8 32.3

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#80

1,3,5-Trimethylbenzene

Concen: 130.352 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061210.D

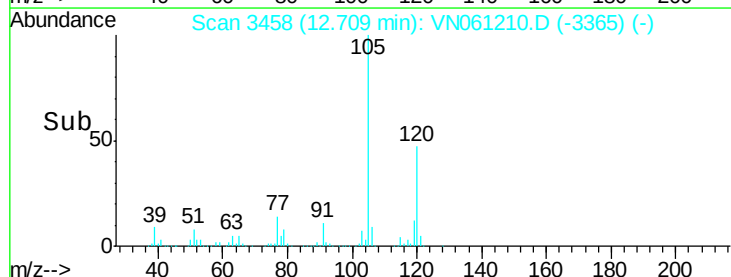
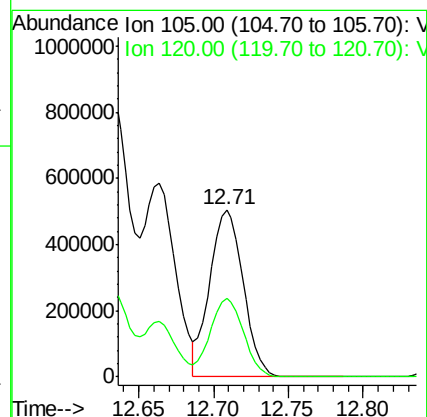
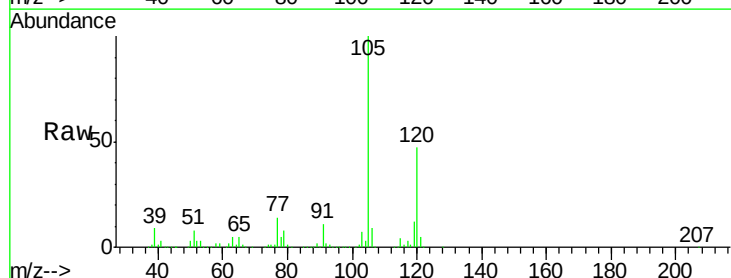
Acq: 30 Apr 2020 18:38

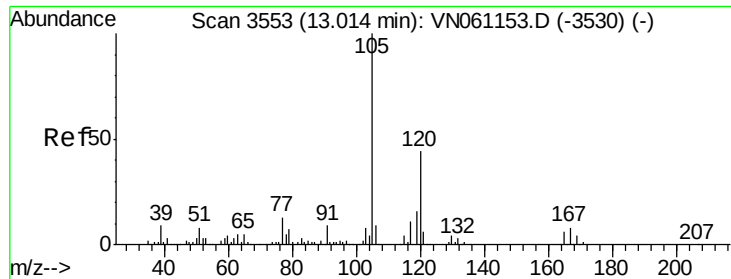
Tgt Ion: 105 Resp: 787680

Ion Ratio Lower Upper

105 100

120 46.9 23.9 71.7





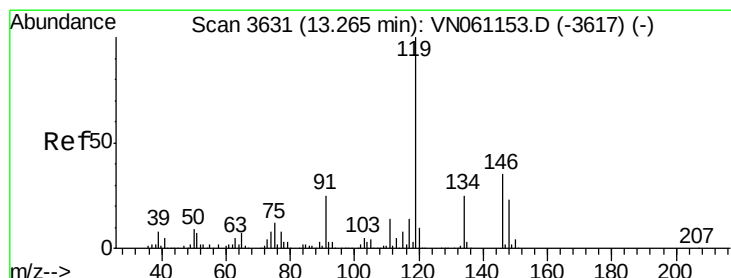
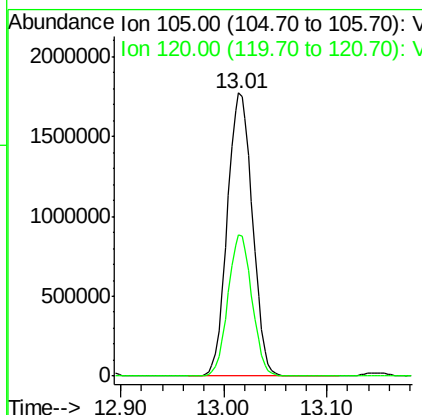
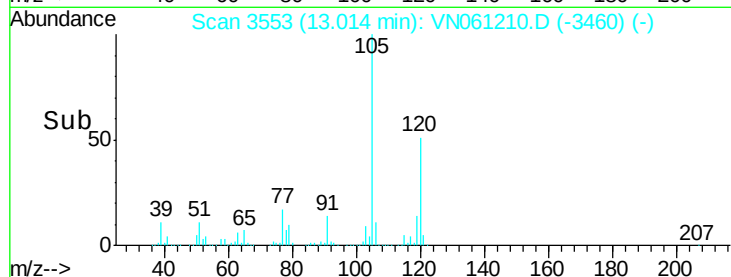
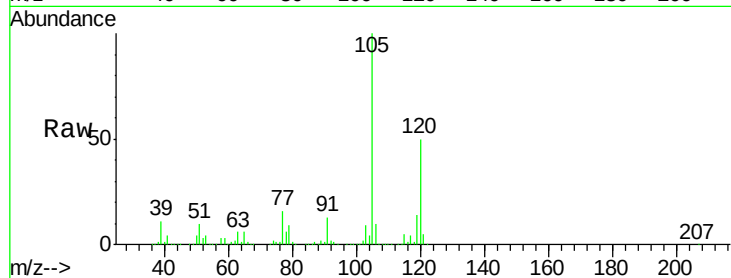
#84
 1,2,4-Trimethylbenzene
 Concen: 482.850 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion:105 Resp: 3006055
 Ion Ratio Lower Upper
 105 100
 120 47.6 22.2 66.6

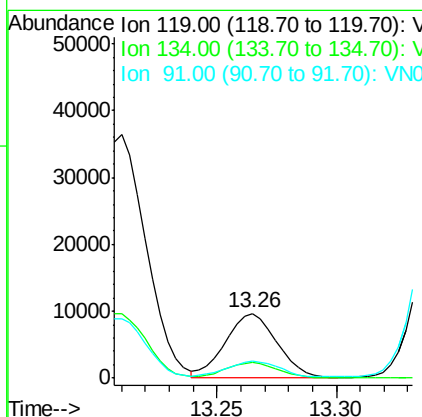
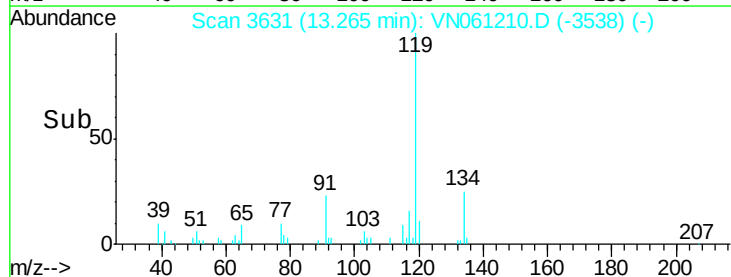
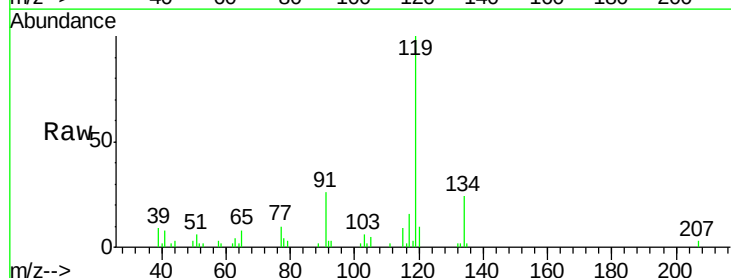
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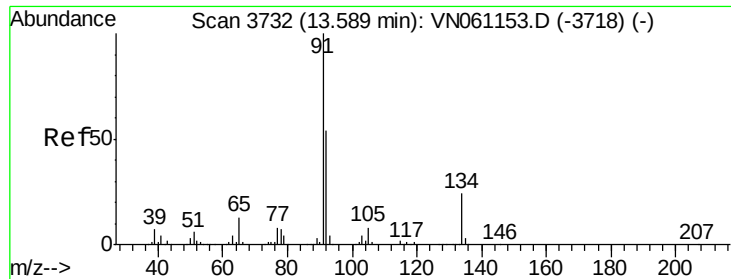
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 5/1/2020 10:54:41 AM



#86
 p-Isopropyltoluene
 Concen: 2.323 ug/l m
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061210.D
 Acq: 30 Apr 2020 18:38

Tgt Ion:119 Resp: 14537
 Ion Ratio Lower Upper
 119 100
 134 103.5 12.6 37.6#
 91 92.6 12.7 38.0#





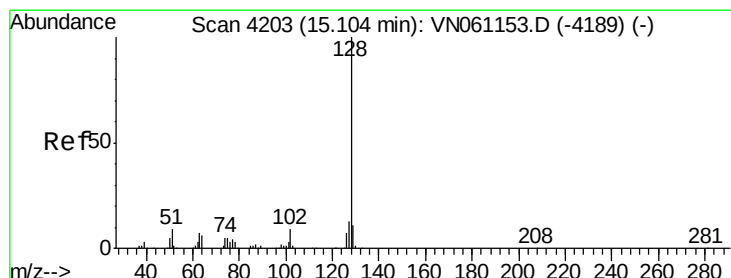
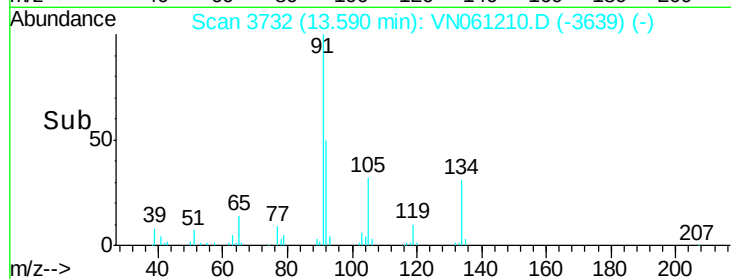
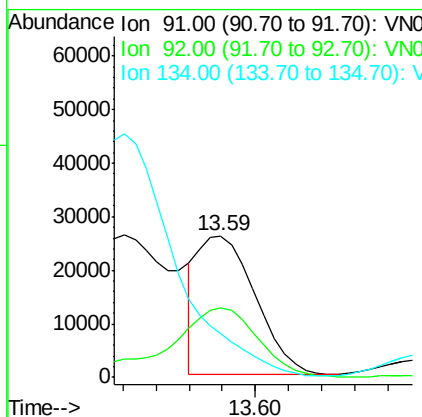
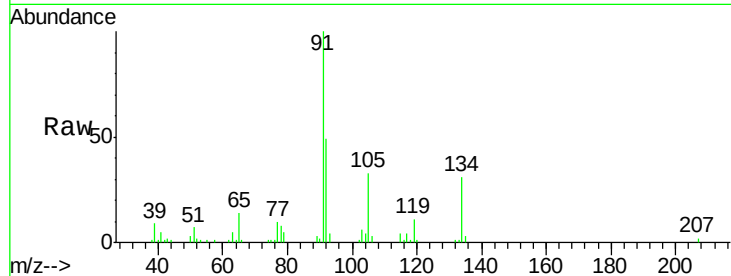
#89
n-Butylbenzene
Concen: 5.383 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	80.6	26.8	80.3#
134	0.0	11.9	35.5#

Manual Integrations
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5/1/2020 10:54:41 AM



#95
Naphthalene
Concen: 46.506 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061210.D
Acq: 30 Apr 2020 18:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.7	13.1

