

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063759.D
 Acq On : 30 Sep 2020 19:07
 Operator : JC/MD
 Sample : L4180-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40995

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:46 PM

Quant Time: Oct 01 03:32:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	223238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	404810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186723	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	183958	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
35) Dibromofluoromethane	7.55	113	134460	47.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.74%	
50) Toluene-d8	10.06	98	518654	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.38	95	216941	54.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.40%	
Target Compounds						
16) Acetone	3.78	43	150971	132.979	ug/l	100
20) Methylene Chloride	4.51	84	4018m	1.640	ug/l	
25) 2-Butanone	6.79	43	19203	11.930	ug/l #	88
51) 4-Methyl-2-Pentanone	9.95	43	2577	0.653	ug/l	91
52) Toluene	10.13	92	174195	24.042	ug/l	99
67) Ethyl Benzene	11.49	91	96046	6.212	ug/l	98
68) m/p-Xylenes	11.59	106	241623	41.929	ug/l	97
69) o-Xylene	11.92	106	125937	23.382	ug/l	96
73) Isopropylbenzene	12.23	105	4671	0.343	ug/l	97
78) n-propylbenzene	12.57	91	6769	0.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	21399	1.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	76921	6.743	ug/l	97
89) n-Butylbenzene	13.59	91	2333	0.233	ug/l #	73
95) Naphthalene	15.10	128	24847	4.296	ug/l	98

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

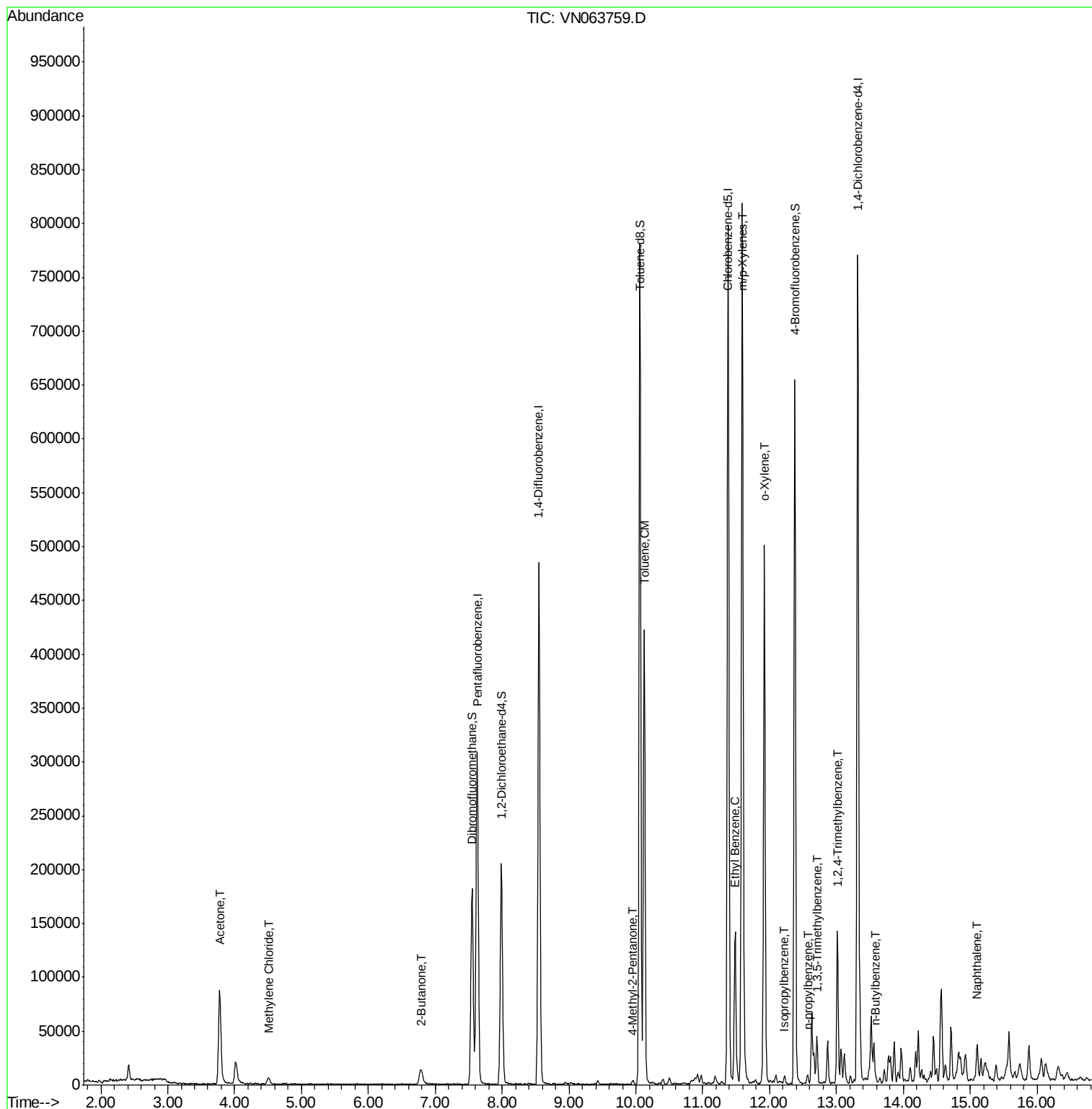
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093020\
Data File : VN063759.D
Acq On : 30 Sep 2020 19:07
Operator : JC/MD
Sample : L4180-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

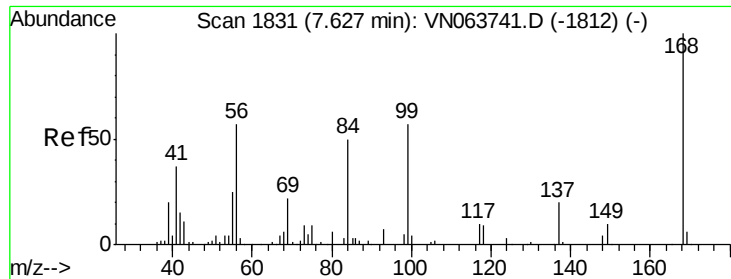
Instrument :
MSVOA_N
ClientSampleId :
40995

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Quant Time: Oct 01 03:32:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063759.D

Acq: 30 Sep 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

40995

Tot Ion:168 Resp: 223238

Ion Ratio Lower Upper

168 100

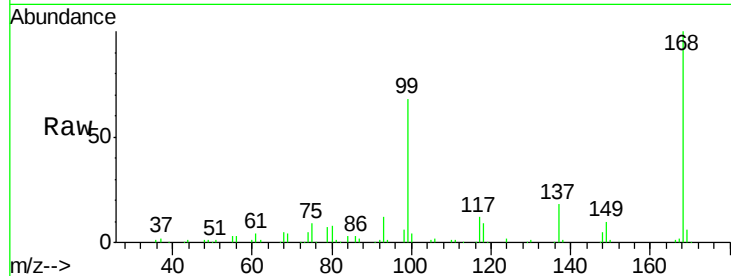
99 67.6 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

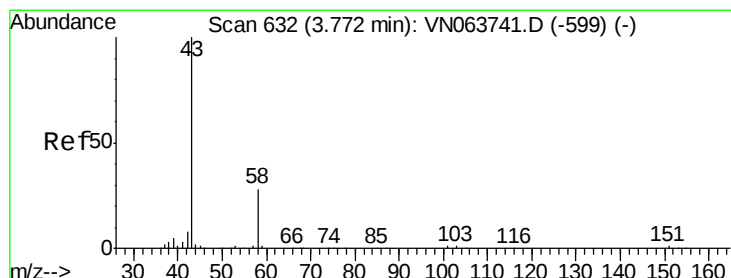
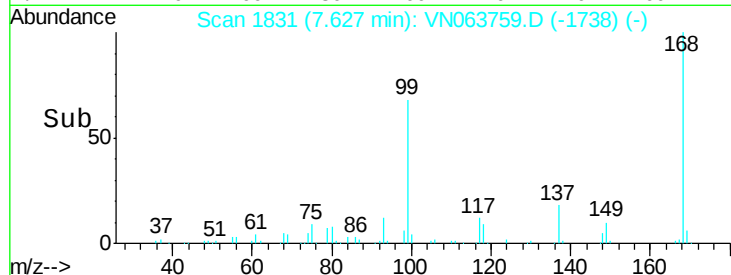
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 132.979 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063759.D

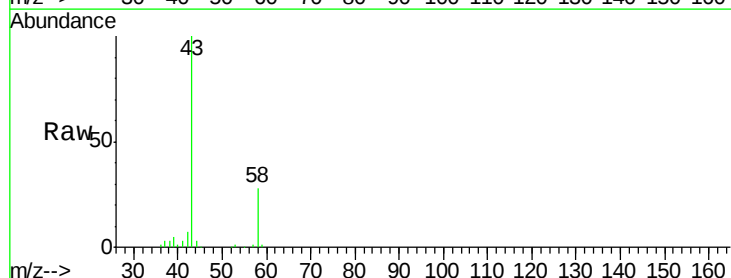
Acq: 30 Sep 2020 19:07

Tgt Ion: 43 Resp: 150971

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

60000

50000

40000

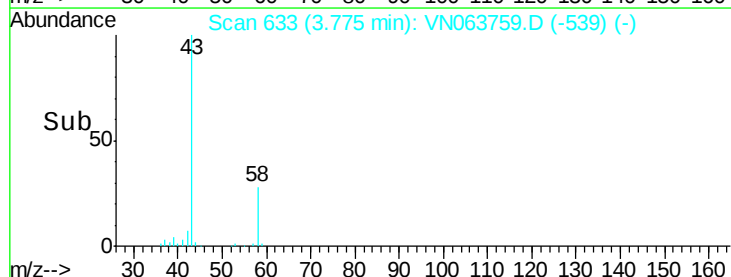
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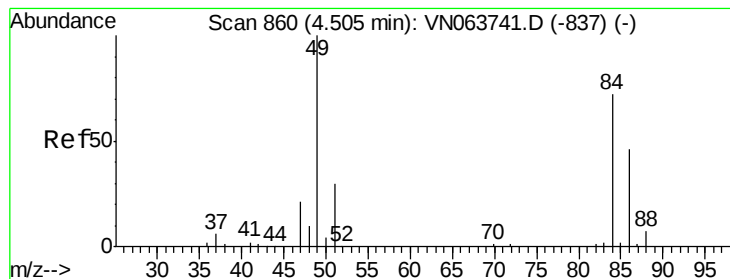
20000

10000

0

Time--> 3.70 3.80 3.90





#20

Methvlene Chloride

Concen: 1.640 ug/l m

RT: 4.51 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN063759.D

Acq: 30 Sep 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

40995

Tot Ion: 84 Resp: 4018

Ion Ratio Lower Upper

84 100

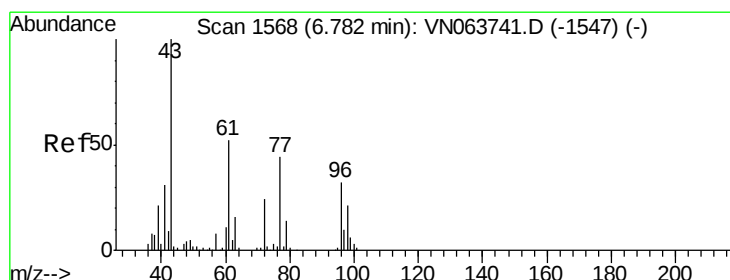
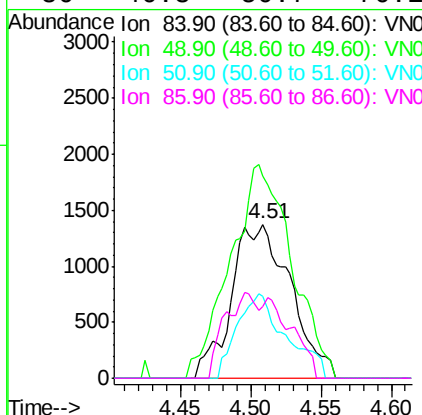
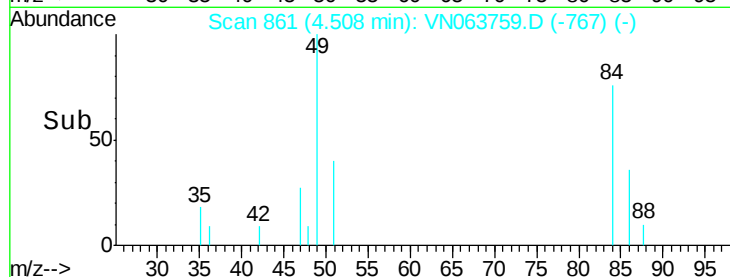
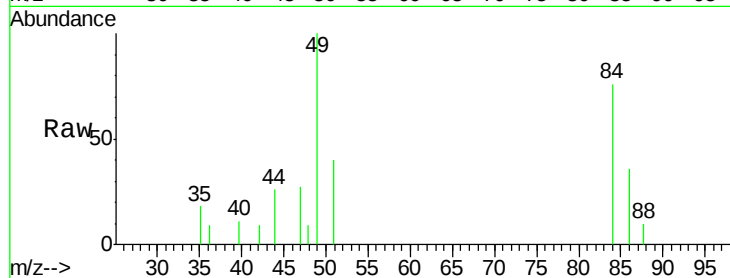
49 131.5 110.4 165.6

51 53.1 33.3 49.9#

86 46.8 50.7 76.1#

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#25

2-Butanone

Concen: 11.930 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063759.D

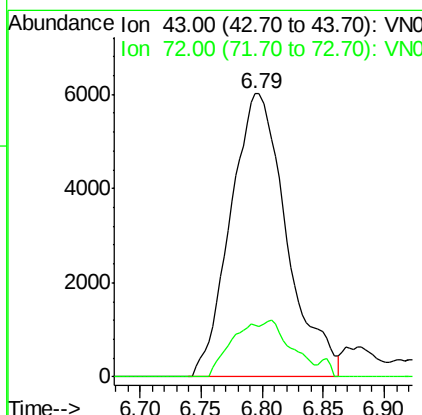
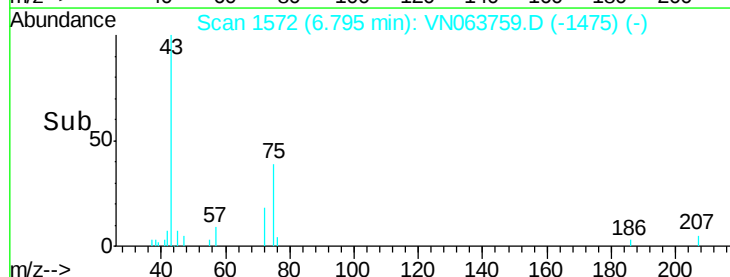
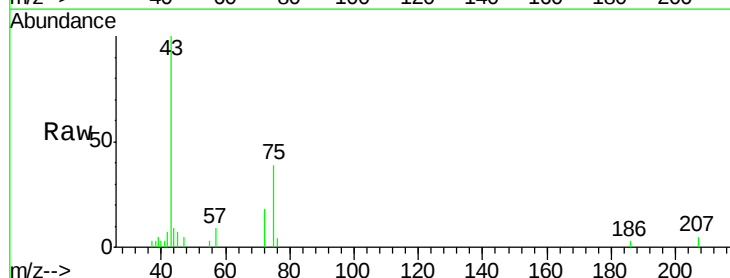
Acq: 30 Sep 2020 19:07

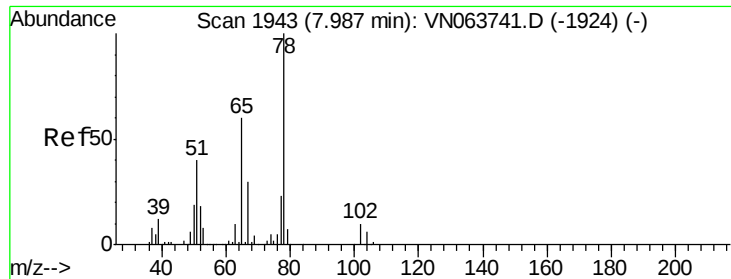
Tgt Ion: 43 Resp: 19203

Ion Ratio Lower Upper

43 100

72 18.2 19.3 28.9#





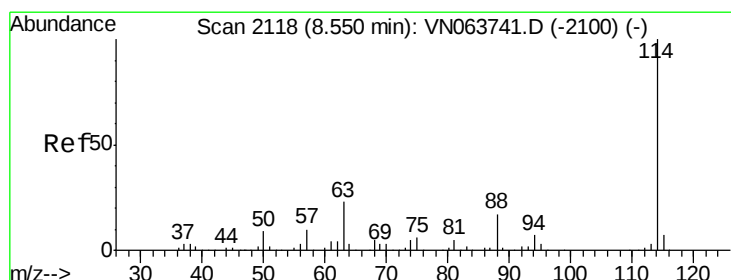
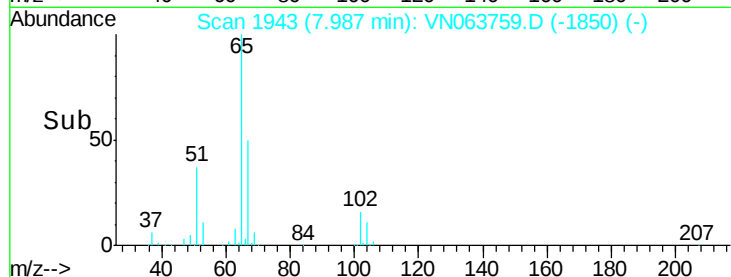
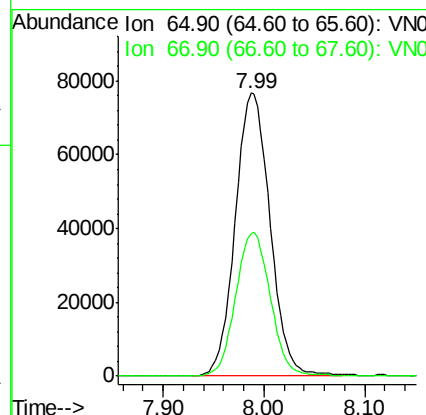
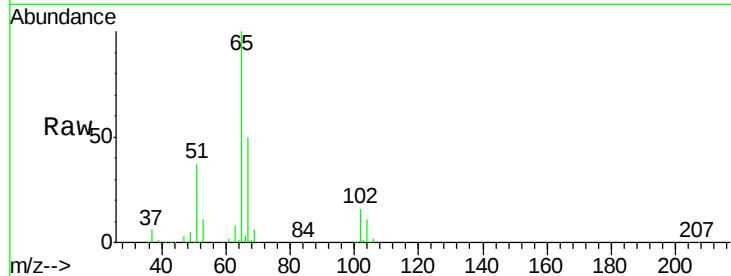
#33
 1,2-Dichloroethane-d4
 Concen: 49.880 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063759.D
 Acq: 30 Sep 2020 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 40995

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183958		
67	50.4	0.0	99.6	

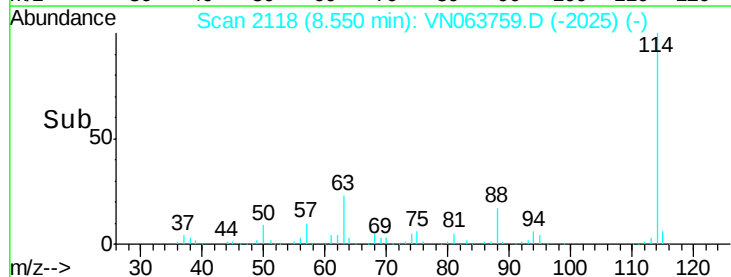
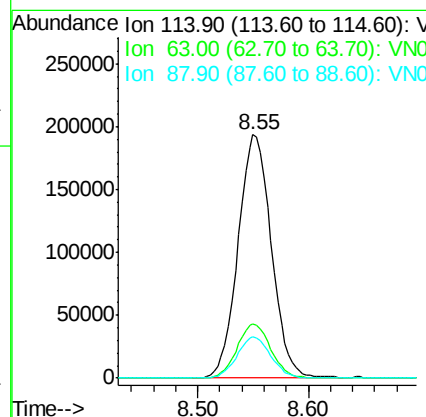
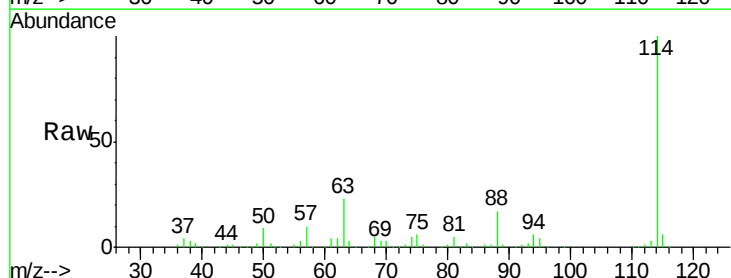
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063759.D
 Acq: 30 Sep 2020 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404810		
63	22.5	0.0	45.0	
88	17.1	0.0	34.0	





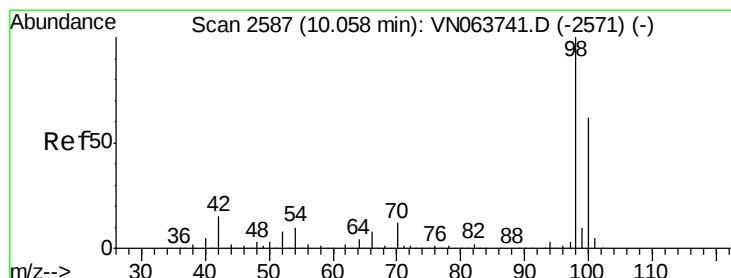
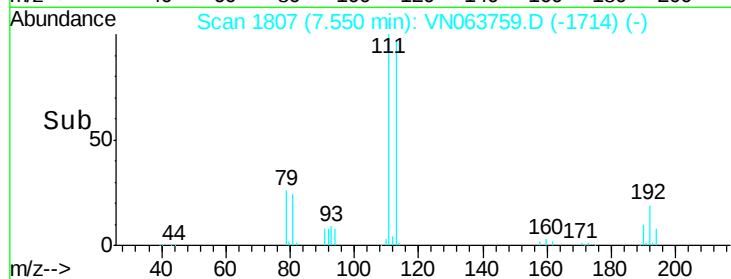
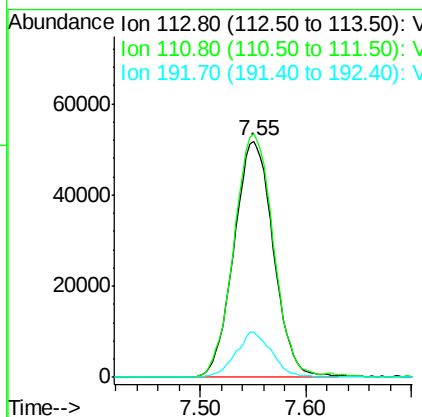
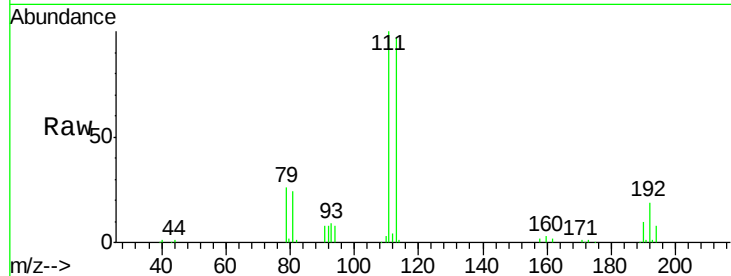
#35
Dibromofluoromethane
Concen: 47.870 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Instrument :
MSVOA_N
ClientSampleId :
40995

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	17.7	14.2	21.2

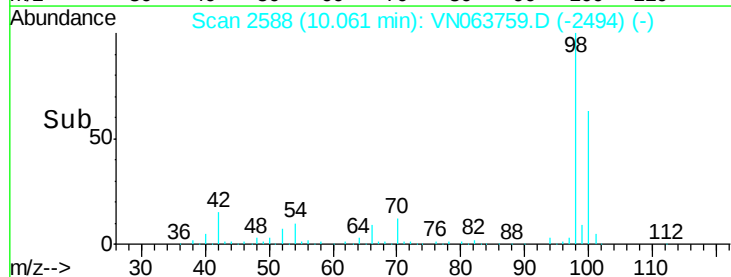
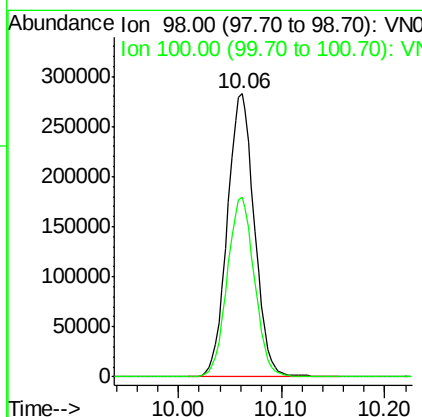
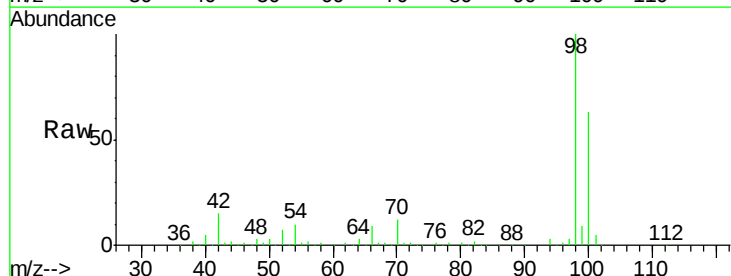
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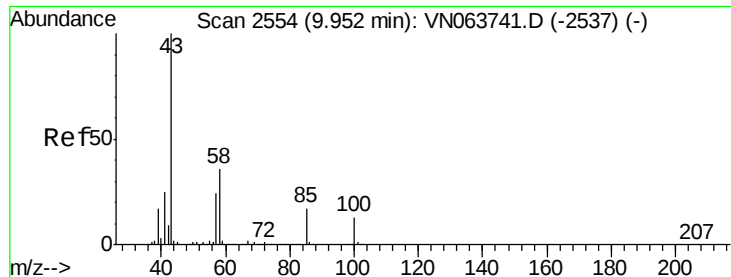
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#50
Toluene-d8
Concen: 48.708 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.6





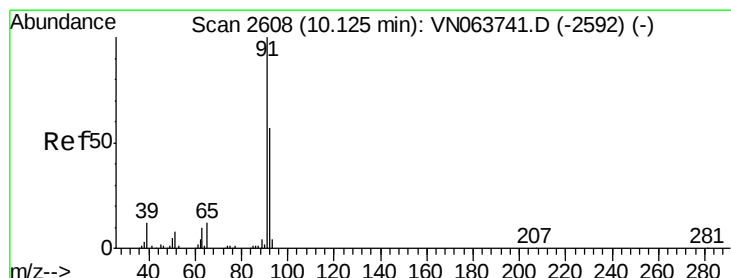
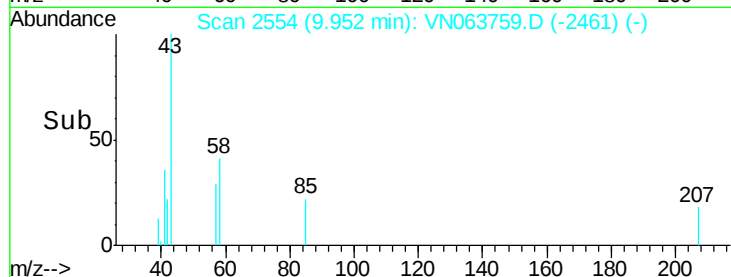
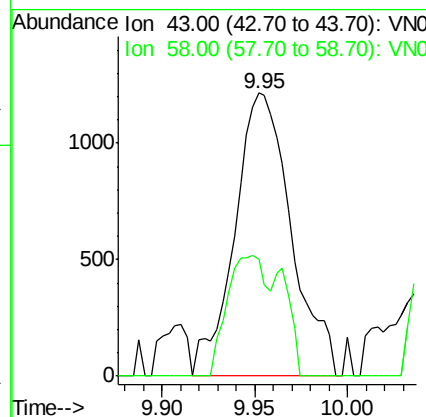
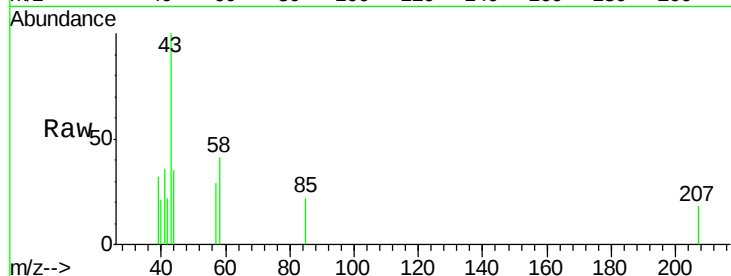
#51
4-Methyl-2-Pentanone
Concen: 0.653 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Instrument :
MSVOA_N
ClientSampled :
40995

Tot Ion	43	Resp	2577
Ion Ratio	100	Lower	Upper
43	100		
58	30.0	28.4	42.6

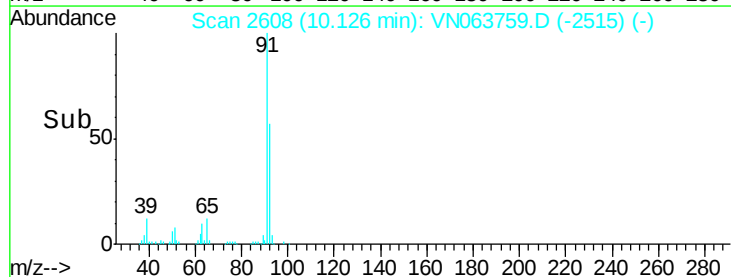
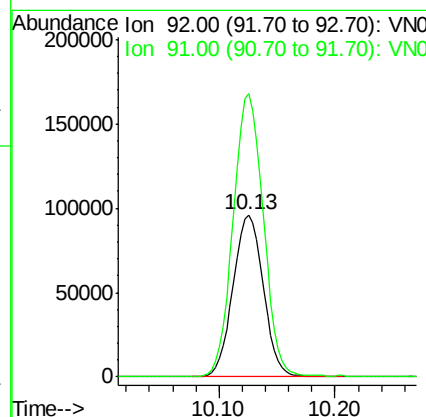
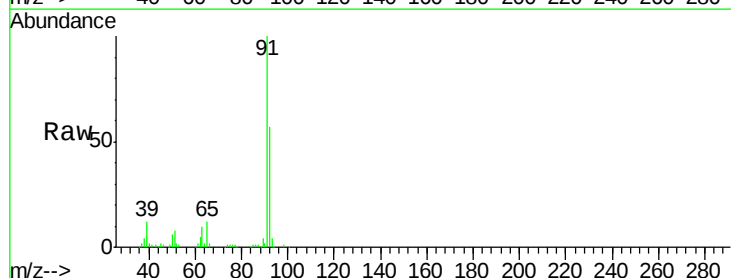
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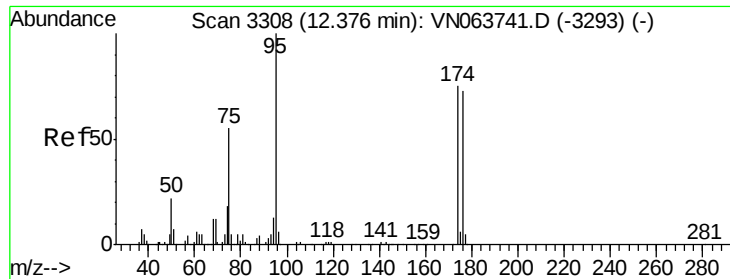
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#52
Toluene
Concen: 24.042 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Tgt Ion	92	Resp	174195
Ion Ratio	100	Lower	Upper
92	100		
91	174.4	140.6	210.8





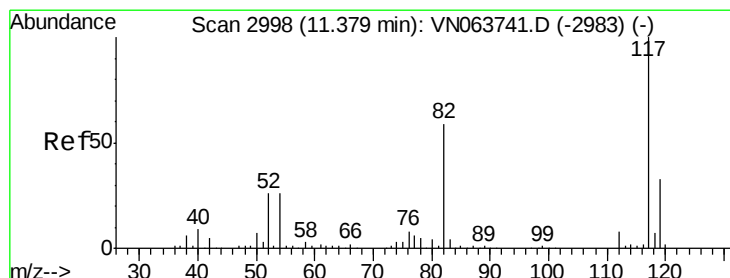
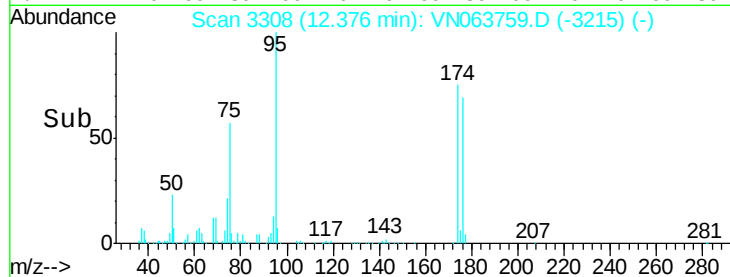
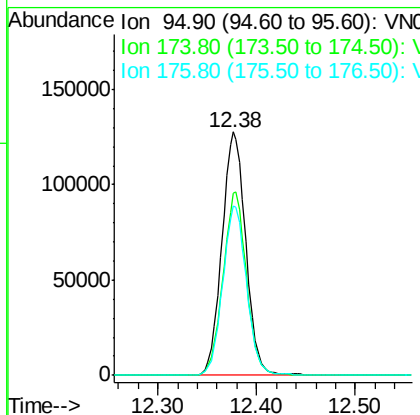
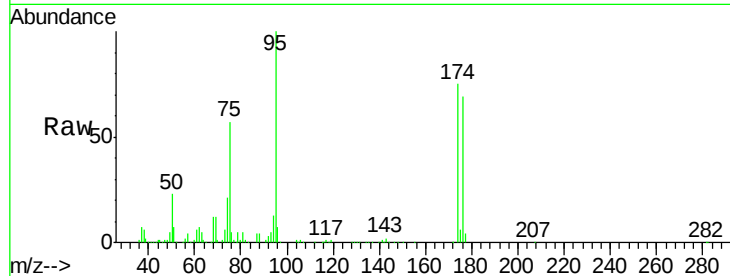
#62
4-Bromofluorobenzene
Concen: 54.198 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Instrument :
MSVOA_N
ClientSampleId :
40995

Tot Ion	Ratio	Resp	Lower	Upper
95	100	216941		
174	74.0	0.0	150.6	
176	69.1	0.0	145.4	

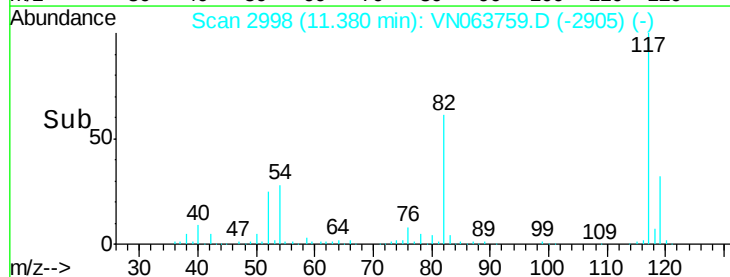
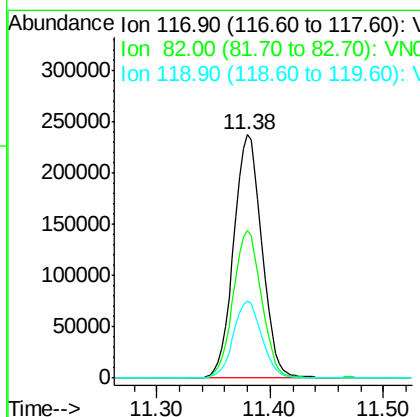
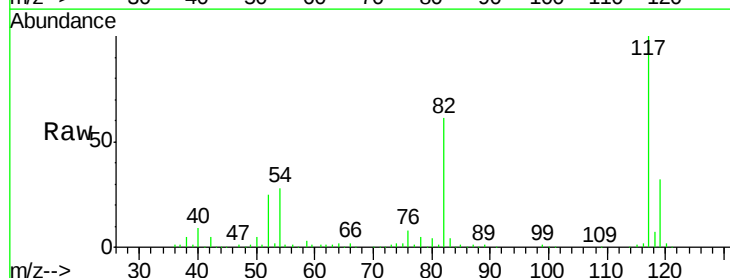
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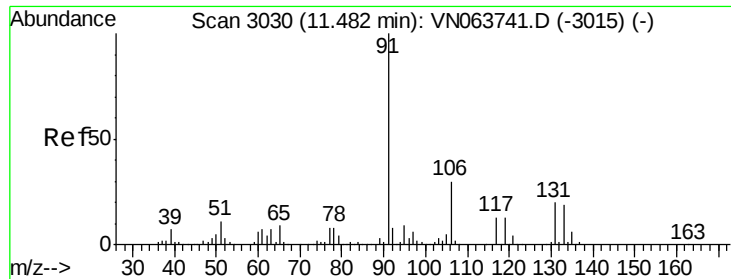
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	414239		
82	60.8	47.4	71.2	
119	31.8	26.4	39.6	





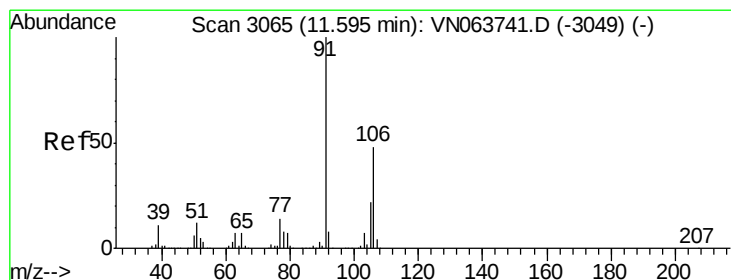
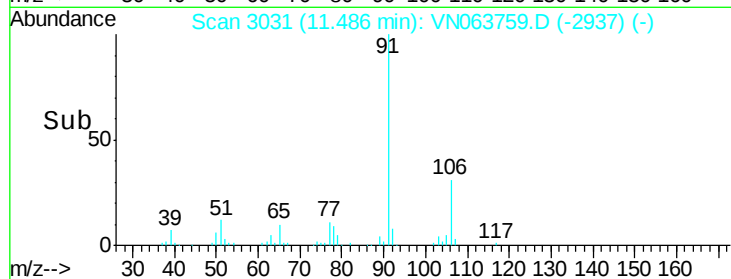
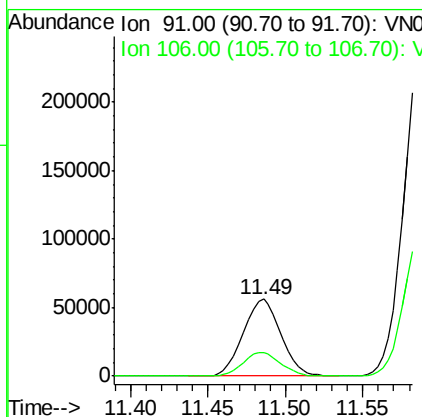
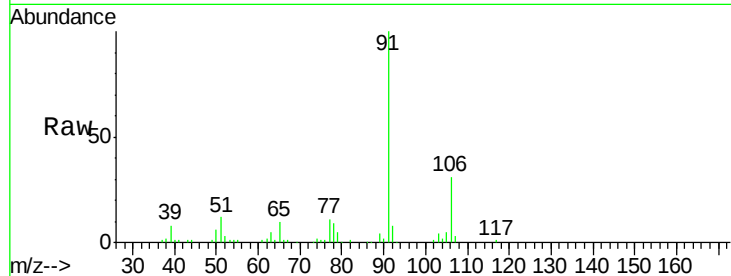
#67
Ethyl Benzene
Concen: 6.212 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Instrument :
MSVOA_N
ClientSampled :
40995

Tot Ion: 91 Resp: 96046
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2

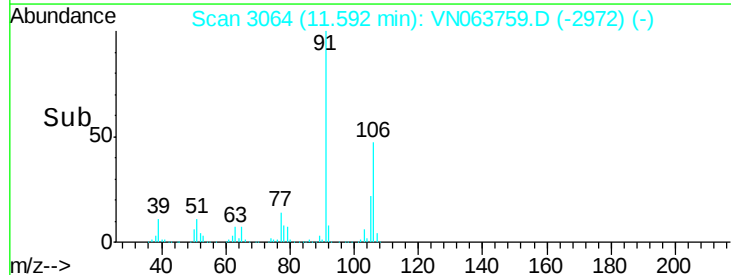
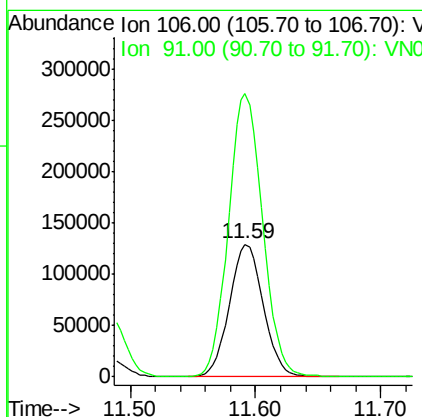
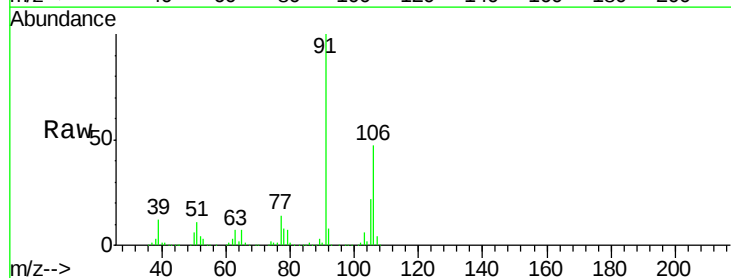
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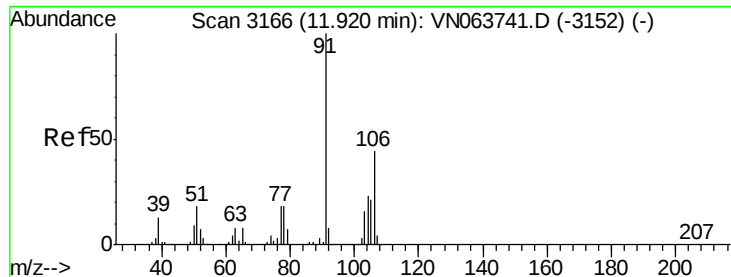
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#68
m/p-Xylenes
Concen: 41.929 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Tgt Ion: 106 Resp: 241623
Ion Ratio Lower Upper
106 100
91 215.4 168.0 252.0





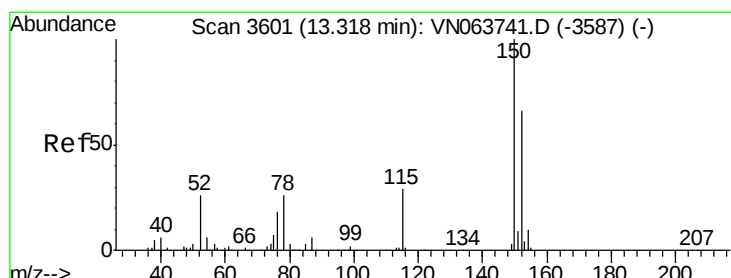
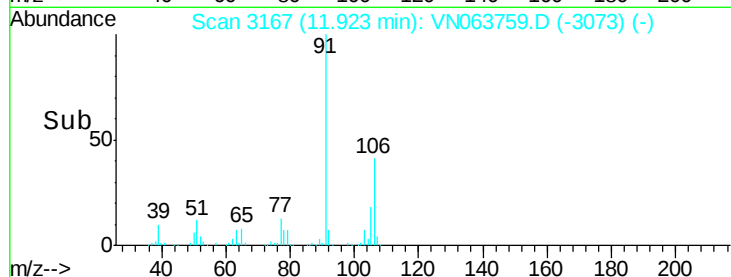
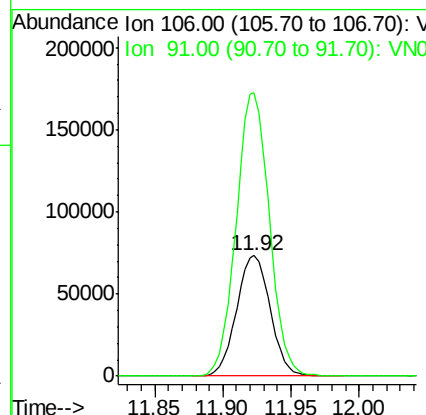
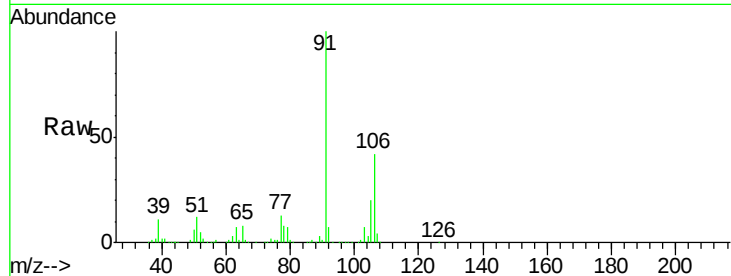
#69
o-Xylene
Concen: 23.382 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Instrument :
MSVOA_N
ClientSampled :
40995

Tot Ion	Ratio	Resp	Lower	Upper
106	100	125937		
91	232.0	112.7	338.0	

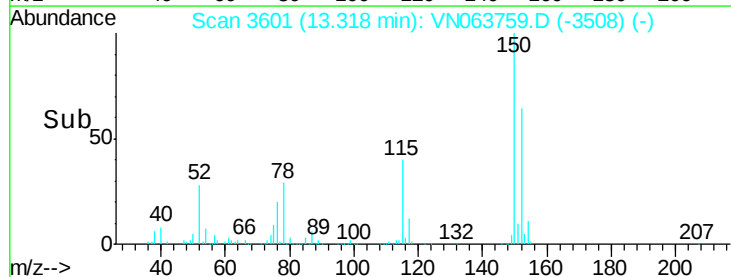
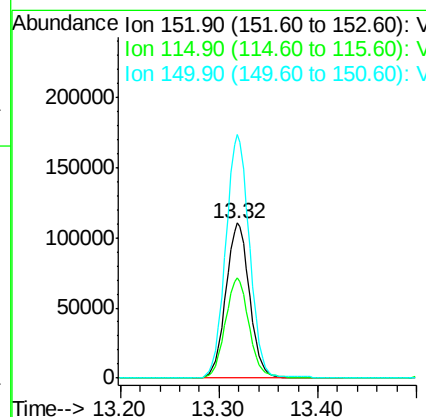
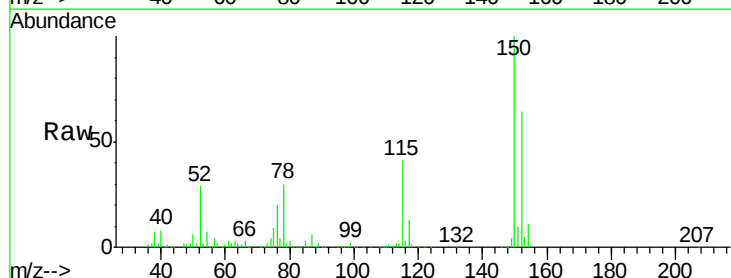
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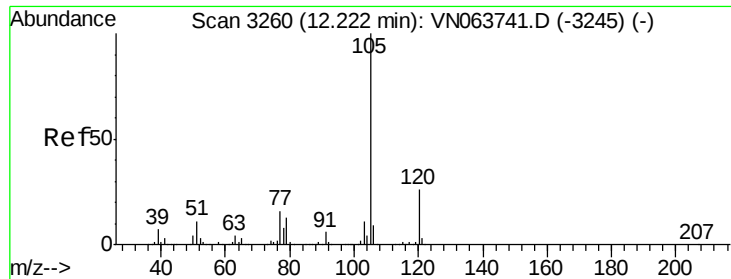
MMDadoda
10/1/2020 2:40:46 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	186723		
115	64.8	31.3	93.8	
150	157.8	0.0	341.8	





#73

Isopropylbenzene

Concen: 0.343 ug/l

RT: 12.23 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VN063759.D

Acq: 30 Sep 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

40995

Tot Ion:105 Resp: 4671

Ion Ratio Lower Upper

105 100

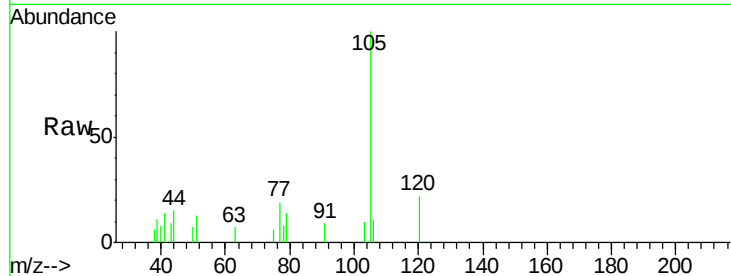
120 23.8 12.6 37.8

Manual Integrations

APPROVED

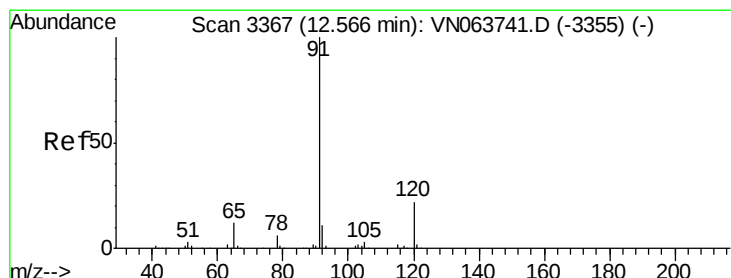
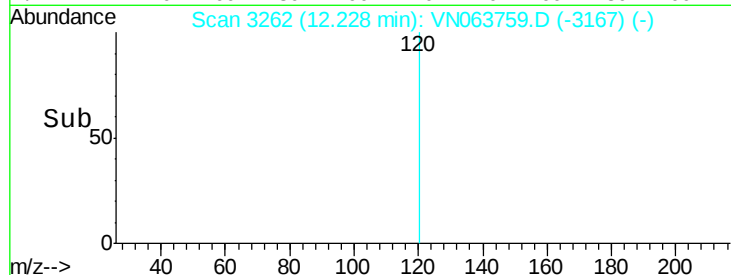
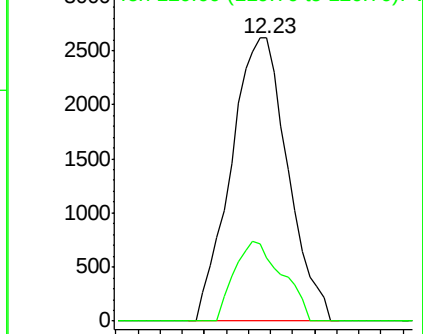
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.427 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063759.D

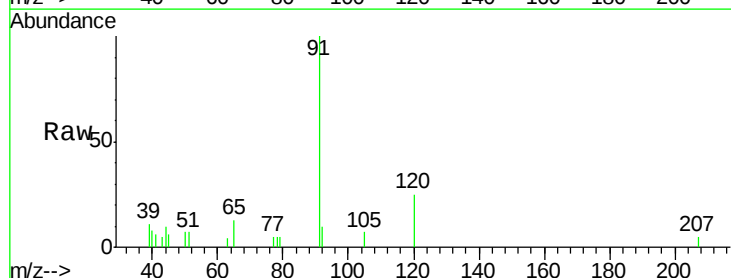
Acq: 30 Sep 2020 19:07

Tgt Ion: 91 Resp: 6769

Ion Ratio Lower Upper

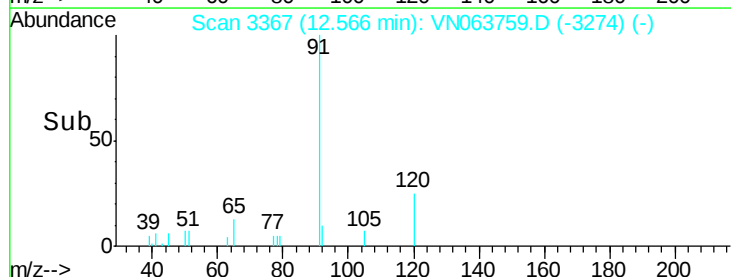
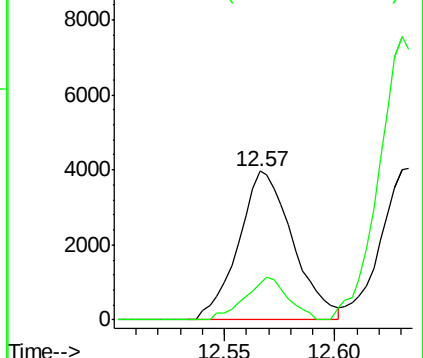
91 100

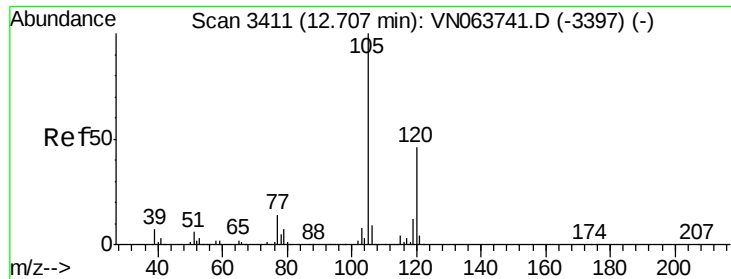
120 22.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





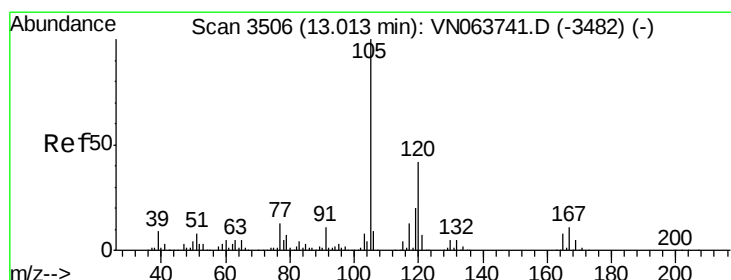
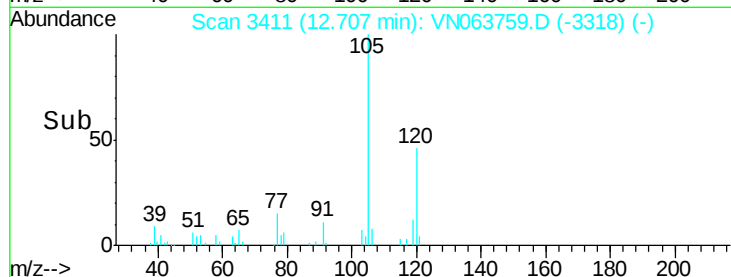
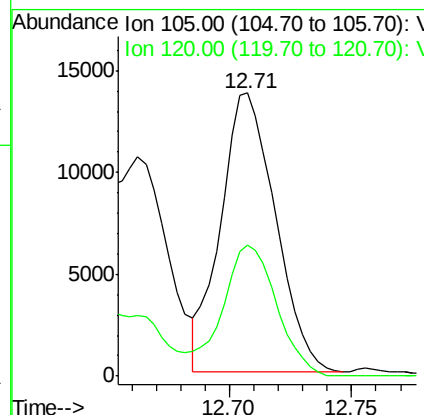
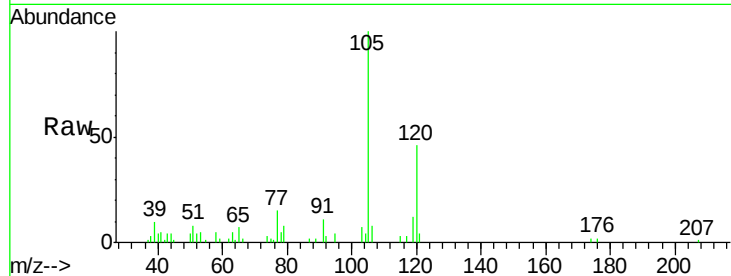
#80
 1,3,5-Trimethylbenzene
 Concen: 1.873 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063759.D
 Acq: 30 Sep 2020 19:07

Instrument :
 MSVOA_N
 ClientSampled :
 40995

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.9

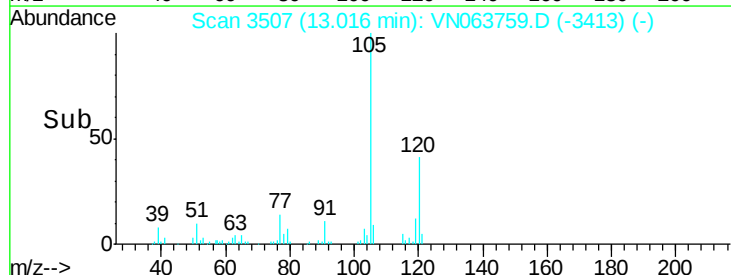
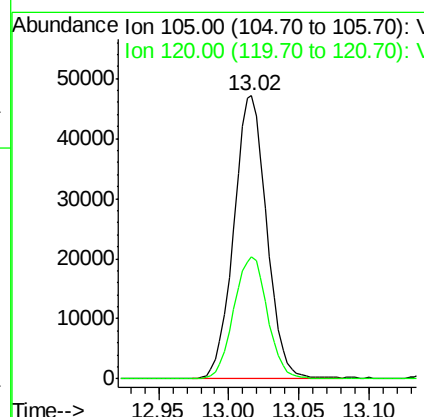
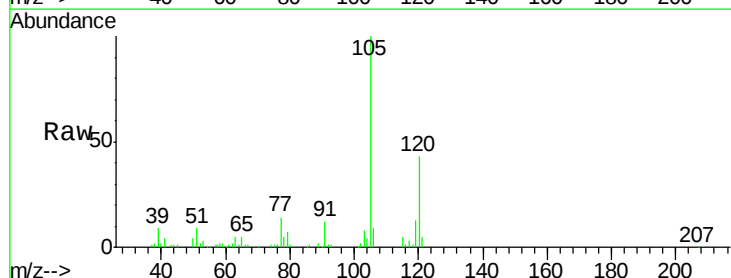
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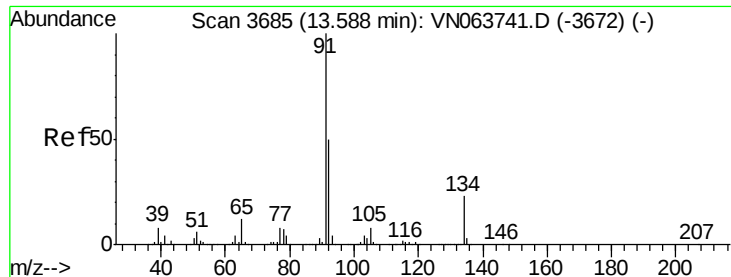
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 6.743 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063759.D
 Acq: 30 Sep 2020 19:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	20.9	62.7





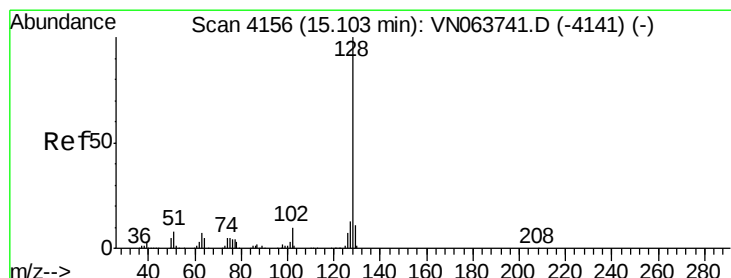
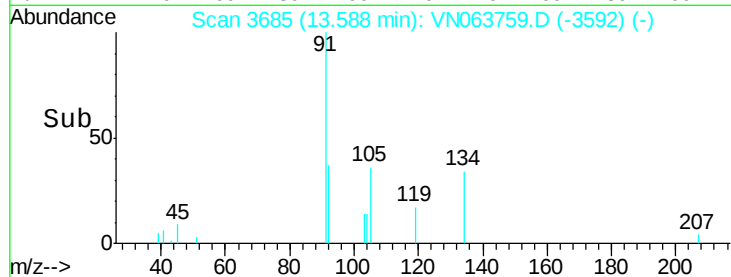
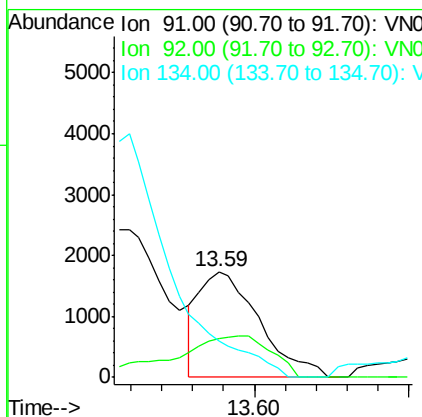
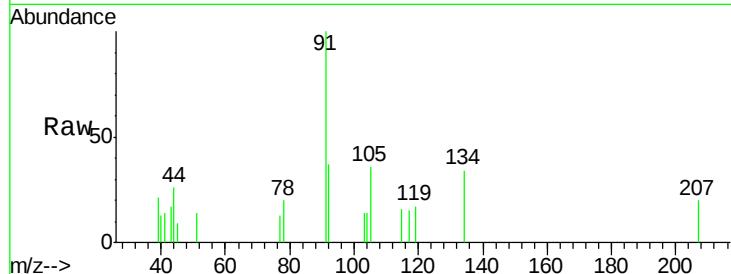
#89
n-Butylbenzene
Concen: 0.233 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Instrument :
MSVOA_N
ClientSampled :
40995

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	25.4	76.4
134	0.0	11.7	35.1#

Manual Integrations
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10/1/2020 2:40:46 PM



#95
Naphthalene
Concen: 4.296 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063759.D
Acq: 30 Sep 2020 19:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	11.7	8.7	13.1

