

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063756.D
 Acq On : 30 Sep 2020 17:55
 Operator : JC/MD
 Sample : L4178-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4DL

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:42 PM

Quant Time: Oct 01 03:04:06 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	238566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216018	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	190389	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.55	113	136967	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
50) Toluene-d8	10.06	98	563220	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.38	95	235160	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	6141m	5.062	ug/l	
31) Cyclohexane	7.61	56	70488	15.405	ug/l #	96
39) Methylcyclohexane	9.05	83	126809	28.688	ug/l	98
52) Toluene	10.13	92	7932	1.013	ug/l	98
67) Ethyl Benzene	11.48	91	2729601	163.968	ug/l	99
68) m/p-Xylenes	11.59	106	44746	7.212	ug/l	99
69) o-Xylene	11.92	106	3666	0.632	ug/l	95
73) Isopropylbenzene	12.23	105	308434	19.575	ug/l	99
78) n-propylbenzene	12.57	91	1042970	56.878	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	1400112	105.920	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	5879189	445.475	ug/l	84
85) sec-Butylbenzene	13.15	105	55935m	3.939	ug/l	
86) p-Isopropyltoluene	13.26	119	41780	3.325	ug/l #	71
89) n-Butylbenzene	13.59	91	45153m	3.894	ug/l	
95) Naphthalene	15.10	128	868425	73.562	ug/l	100

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

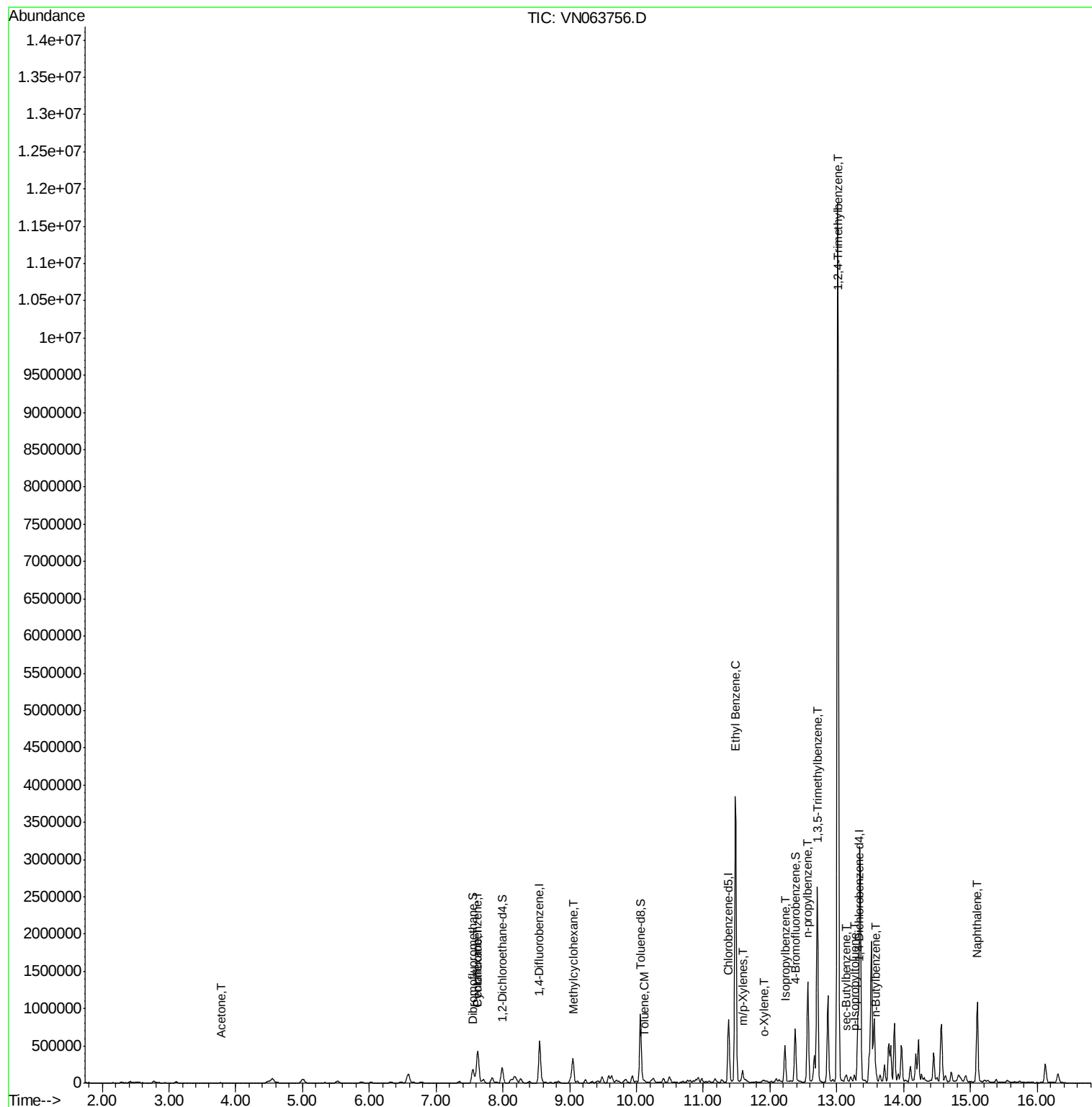
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
Data File : VN063756.D
Acq On : 30 Sep 2020 17:55
Operator : JC/MD
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MSVOA_N
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Quant Time: Oct 01 03:04:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion:168 Resp: 238566

Ion Ratio Lower Upper

168 100

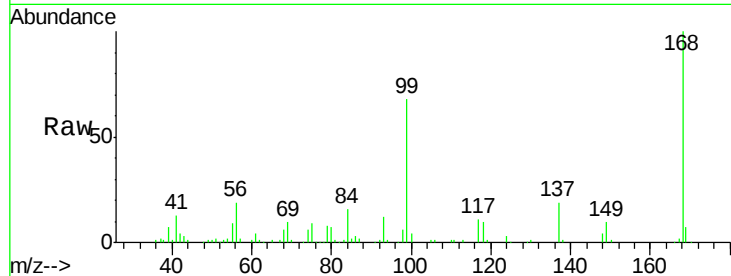
99 67.7 51.8 77.6

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

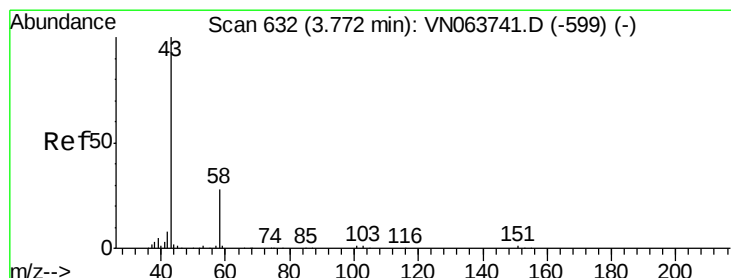
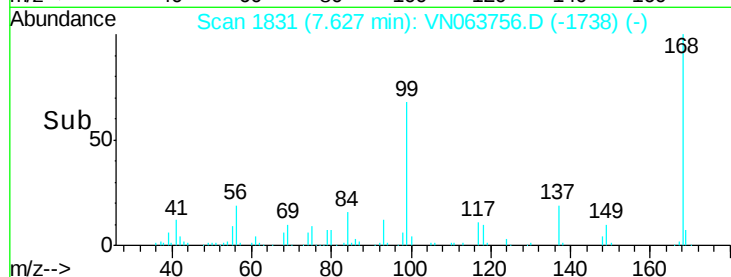
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 5.062 ug/l m

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063756.D

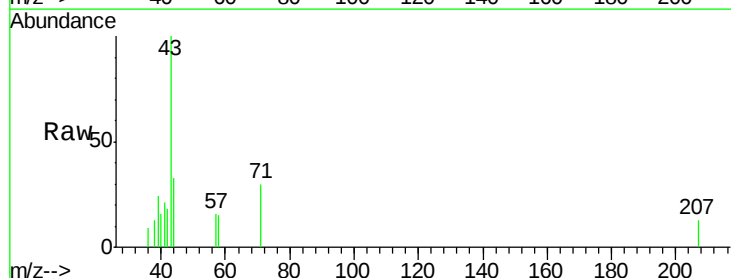
Acq: 30 Sep 2020 17:55

Tgt Ion: 43 Resp: 6141

Ion Ratio Lower Upper

43 100

58 14.6 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

2000

1500

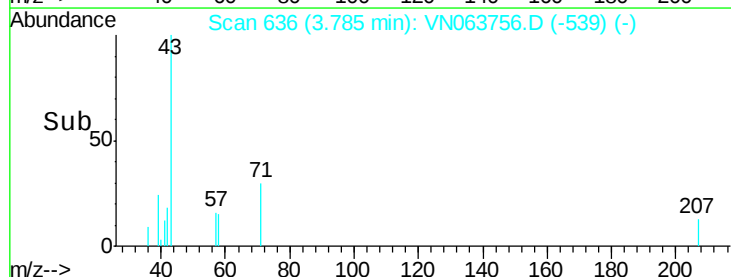
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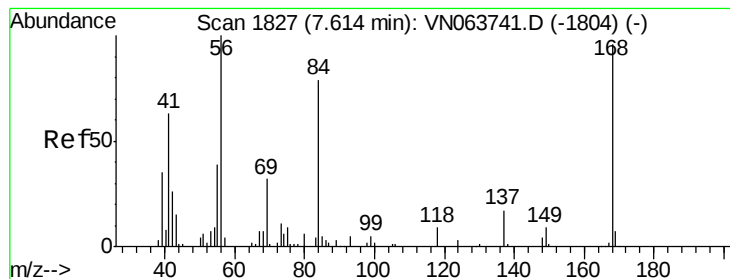
500

0

3.70 3.75 3.80 3.85

Time-->





#31

Cyclohexane

Concen: 15.405 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion: 56 Resp: 70488

Ion Ratio Lower Upper

56 100

69 38.7 25.4 38.2#

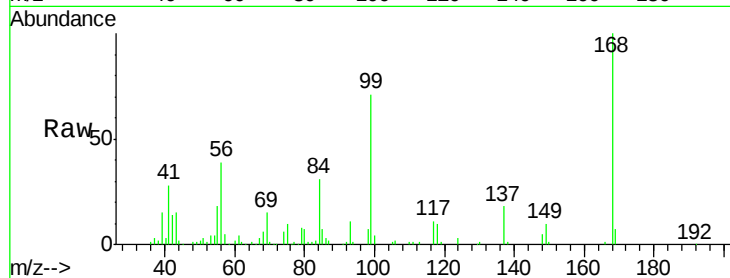
84 78.9 63.3 94.9

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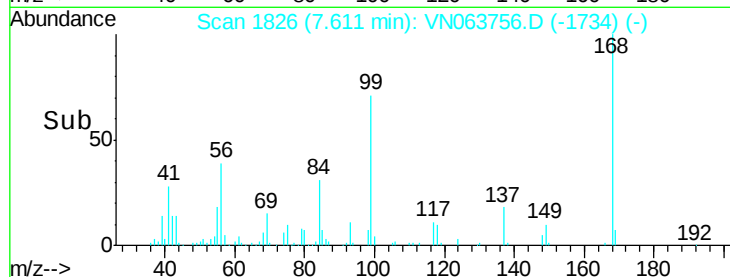


Abundance Ion 56.00 (55.70 to 56.70): VN063756.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063756.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063756.D (-1734) (-)

Time-->



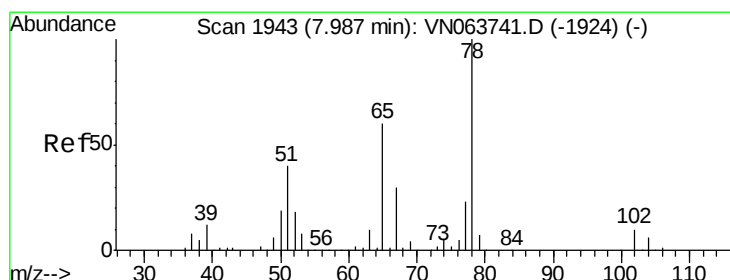
Abundance

Ion 56.00 (55.70 to 56.70): VN063756.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063756.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063756.D (-1734) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.306 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063756.D

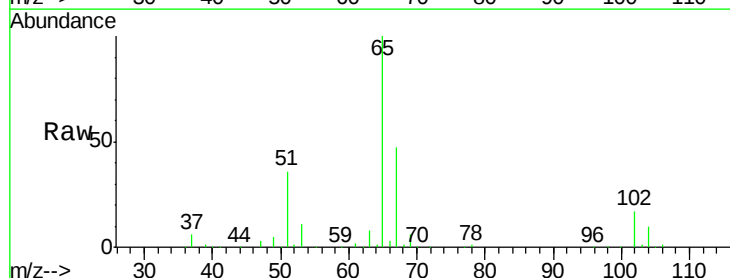
Acq: 30 Sep 2020 17:55

Tgt Ion: 65 Resp: 190389

Ion Ratio Lower Upper

65 100

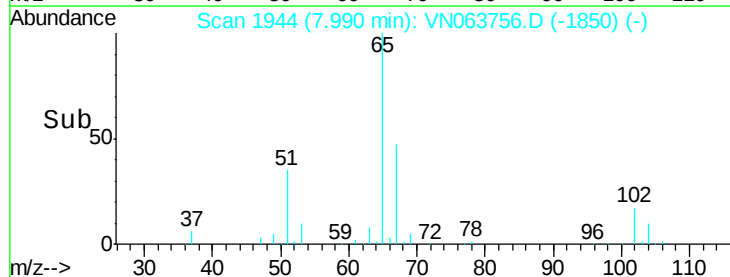
67 49.2 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063756.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063756.D (-1850) (-)

Time-->

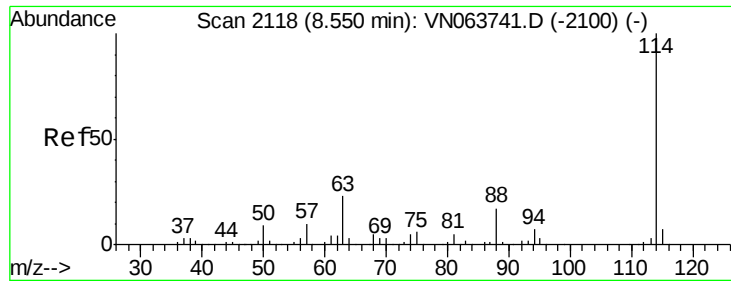


Abundance

Ion 64.90 (64.60 to 65.60): VN063756.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063756.D (-1850) (-)

Time-->



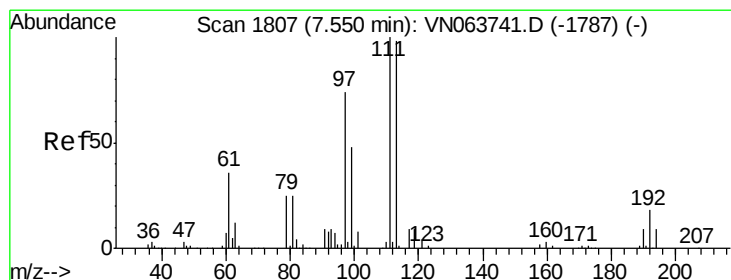
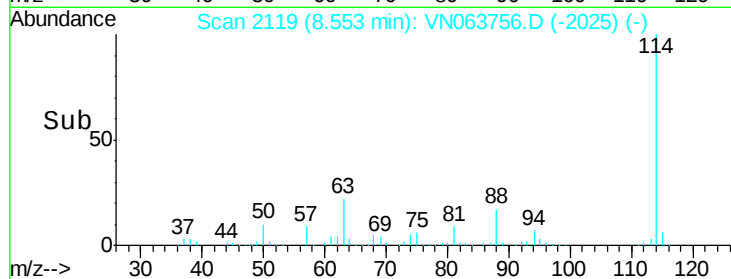
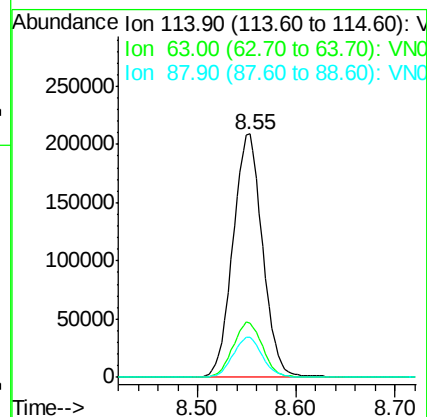
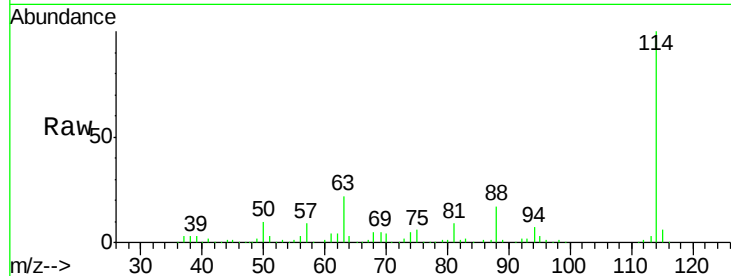
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
TP-4DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	437522		
63	22.2	0.0	45.0	
88	16.5	0.0	34.0	

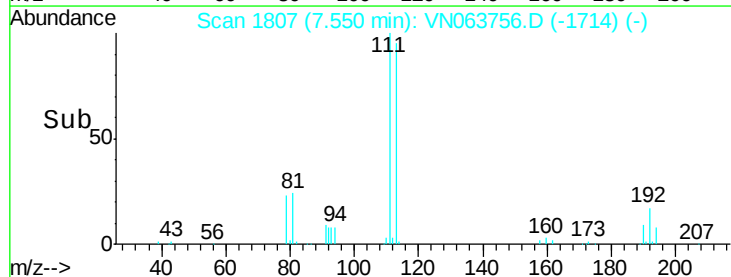
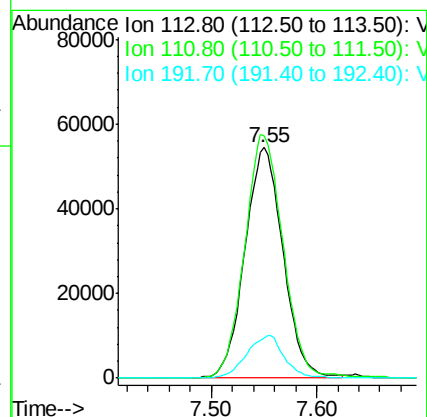
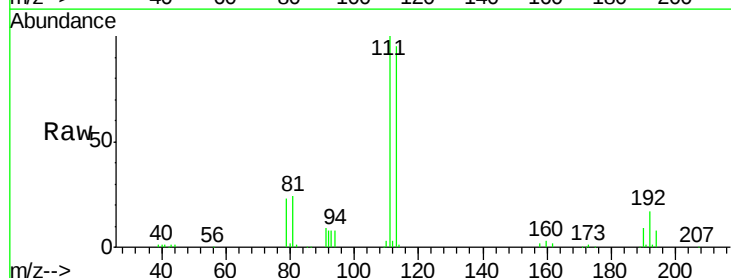
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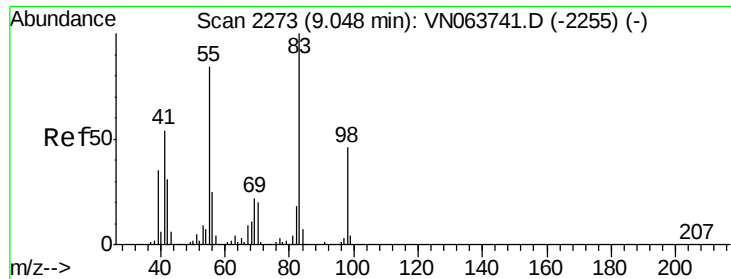
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#35
Dibromofluoromethane
Concen: 45.116 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	136967		
111	106.8	81.8	122.8	
192	18.2	14.2	21.2	





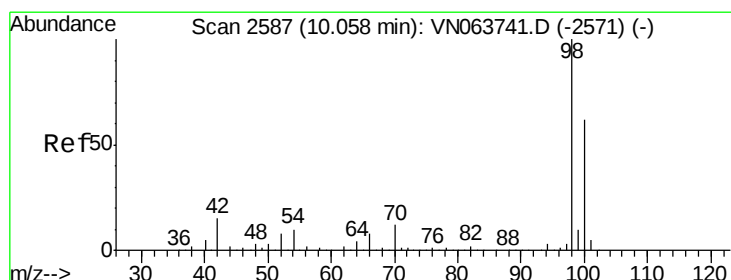
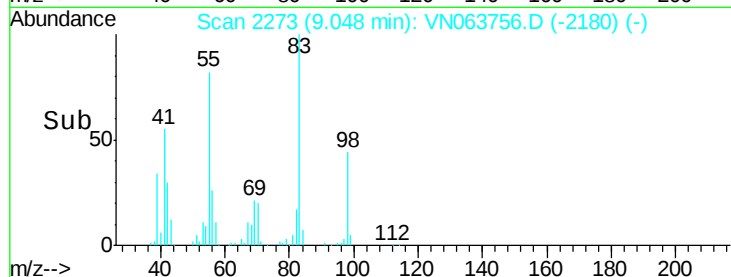
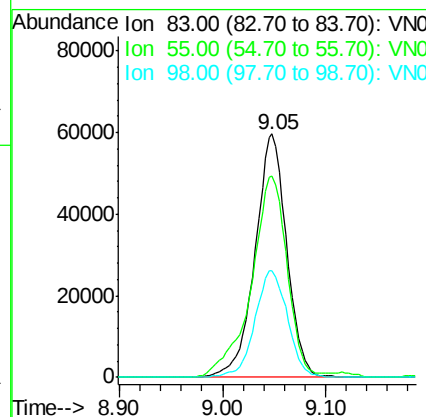
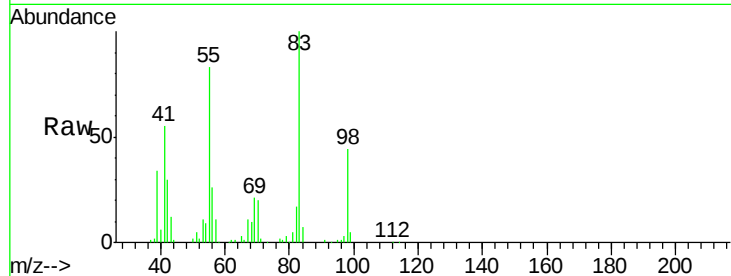
#39
Methvlcvclohexane
Concen: 28.688 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.1	100.7
98	44.0	36.6	54.8

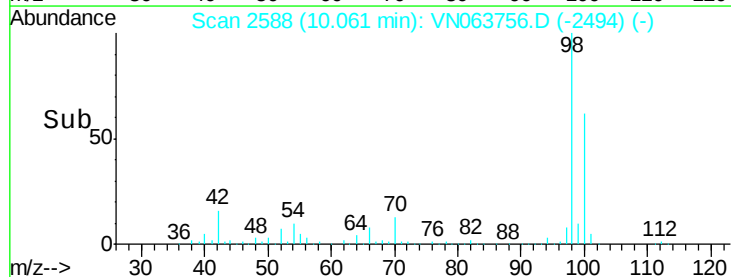
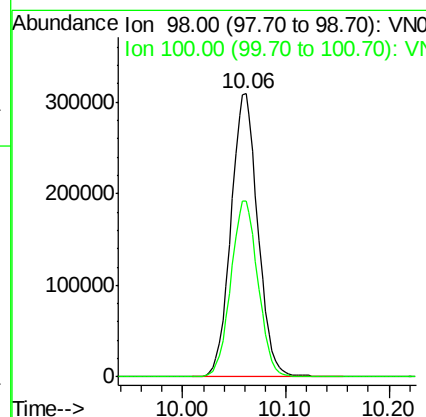
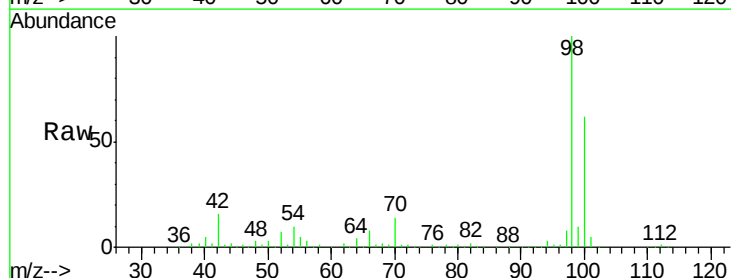
Manual Integrations
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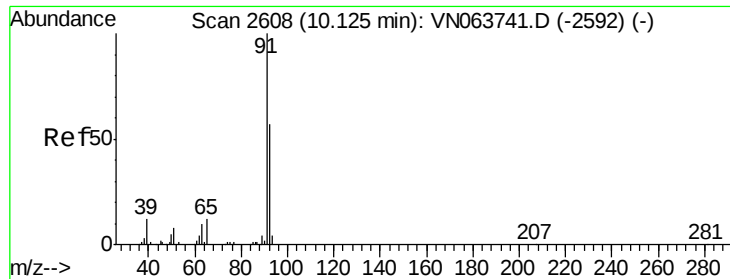
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#50
Toluene-d8
Concen: 48.939 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	49.8	74.6





#52

Toluene

Concen: 1.013 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion: 92 Resp: 7932

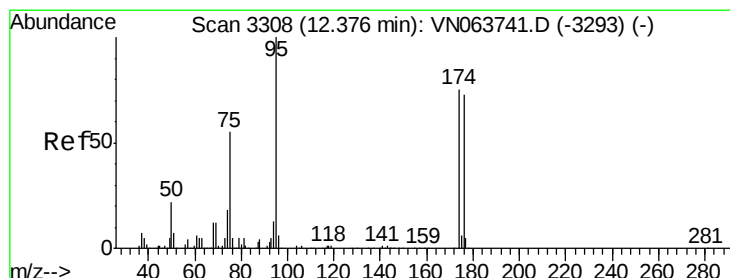
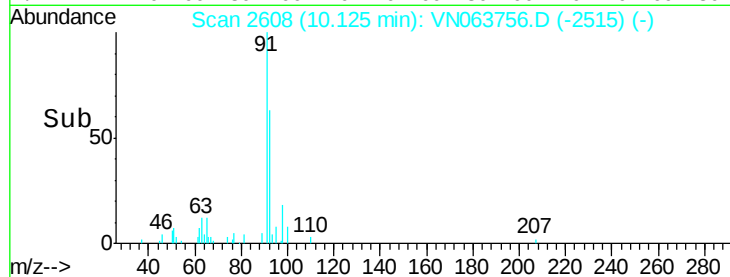
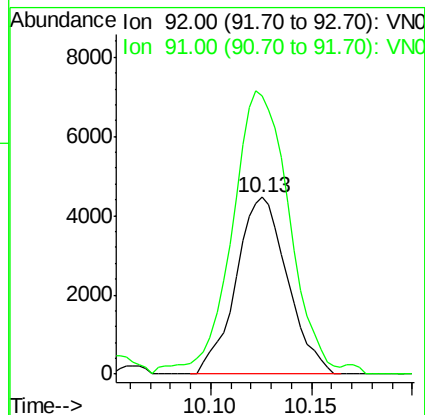
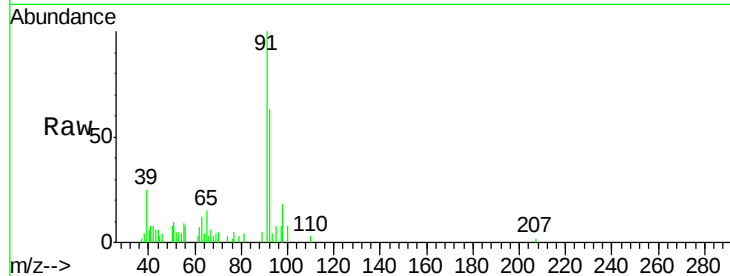
Ion Ratio Lower Upper

92 100

91 178.4 140.6 210.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 54.357 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

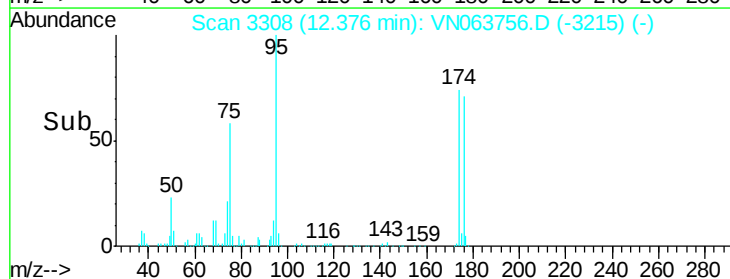
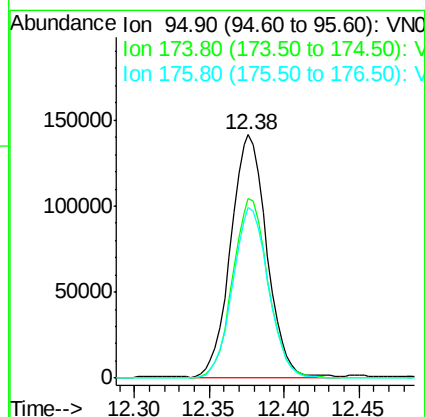
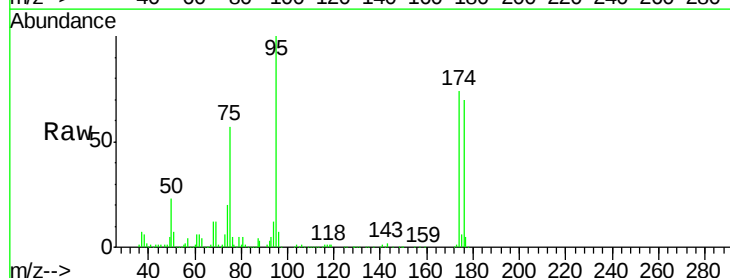
Tgt Ion: 95 Resp: 235160

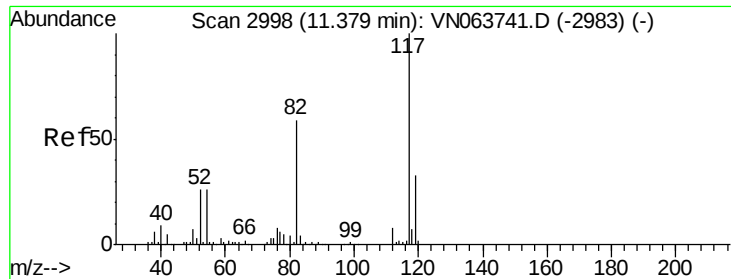
Ion Ratio Lower Upper

95 100

174 73.7 0.0 150.6

176 70.3 0.0 145.4





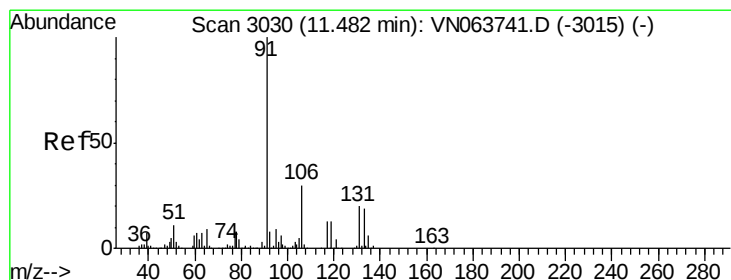
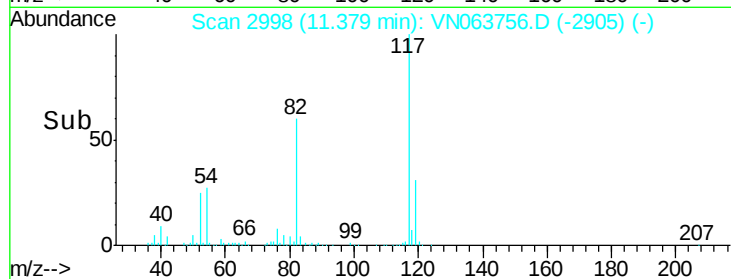
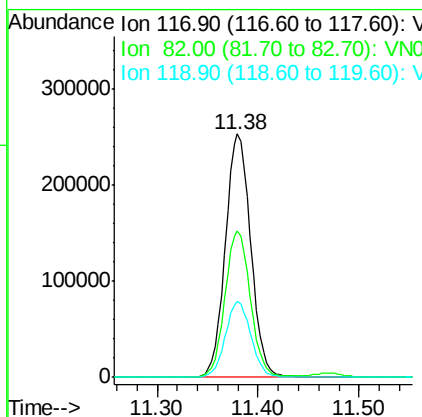
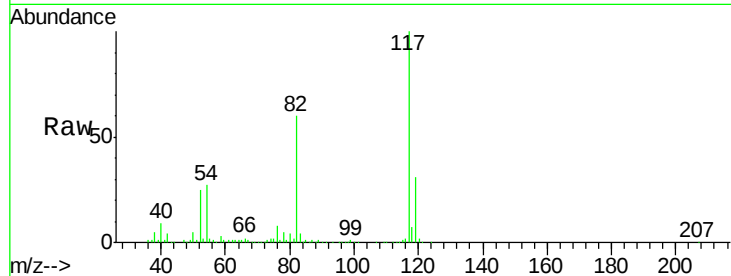
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	445990		
82	59.9		47.4	71.2
119	31.0		26.4	39.6

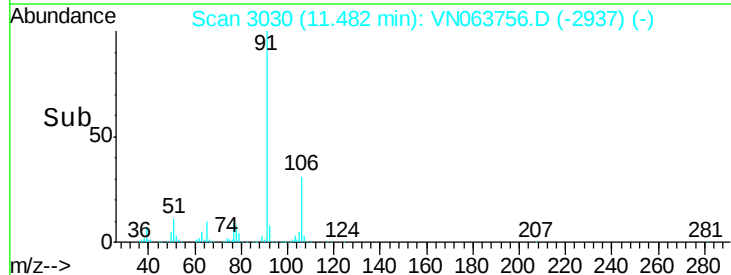
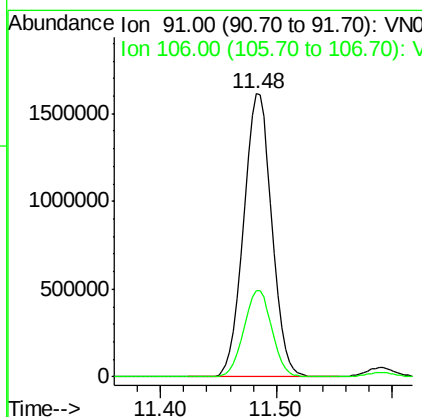
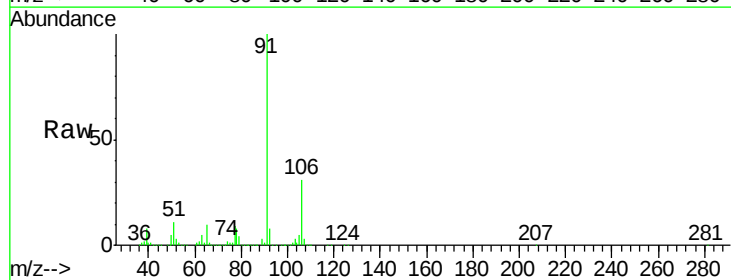
Manual Integrations
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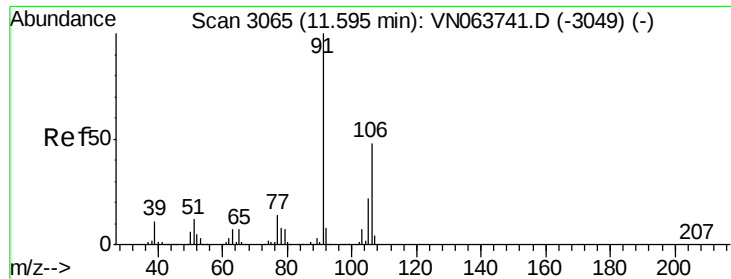
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10/1/2020 2:40:42 PM



#67
Ethyl Benzene
Concen: 163.968 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2729601		
106	30.6		24.2	36.2





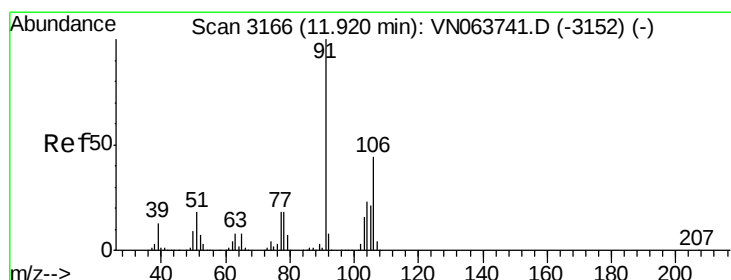
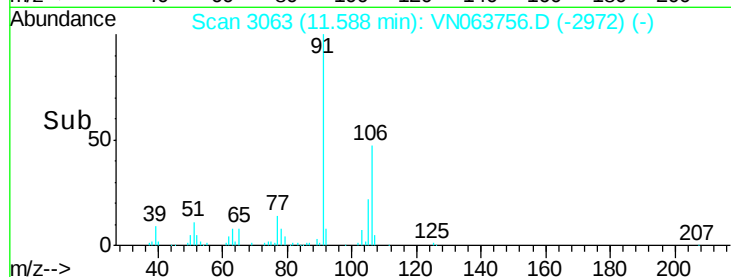
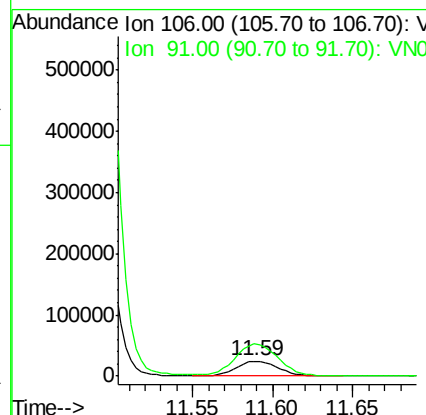
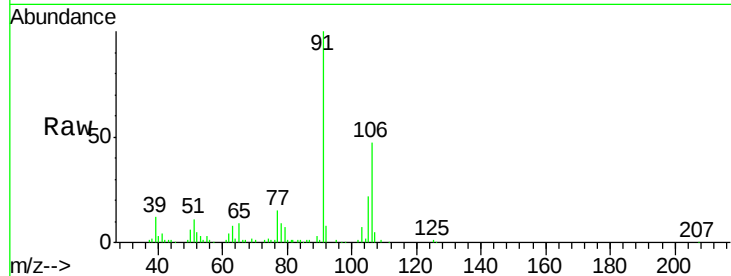
#68
m/p-Xylenes
Concen: 7.212 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampled :
TP-4DL

Tot Ion:106 Resp: 44746
Ion Ratio Lower Upper
106 100
91 211.8 168.0 252.0

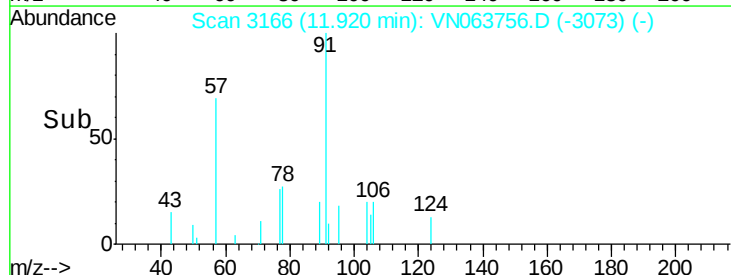
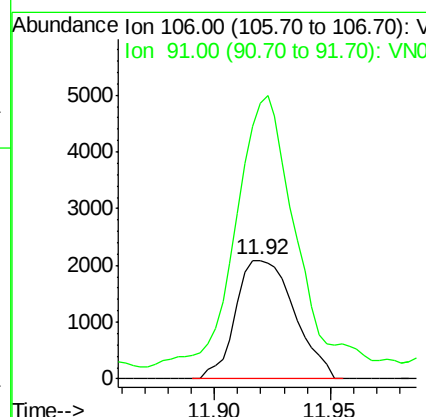
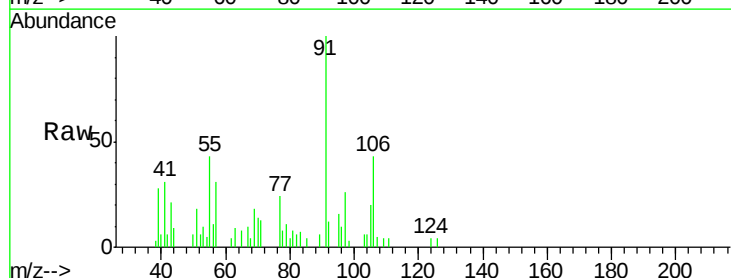
Manual Integrations
APPROVED

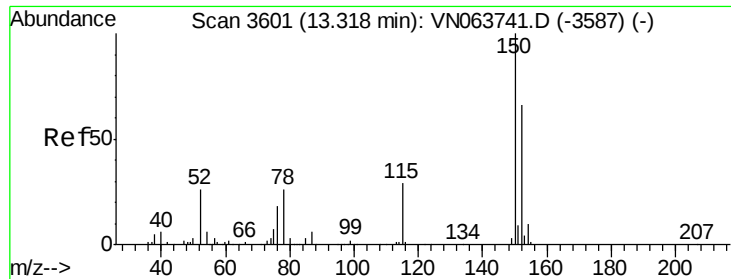
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10/1/2020 2:40:42 PM



#69
o-Xylene
Concen: 0.632 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion:106 Resp: 3666
Ion Ratio Lower Upper
106 100
91 234.2 112.7 338.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion:152 Resp: 216018

Ion Ratio Lower Upper

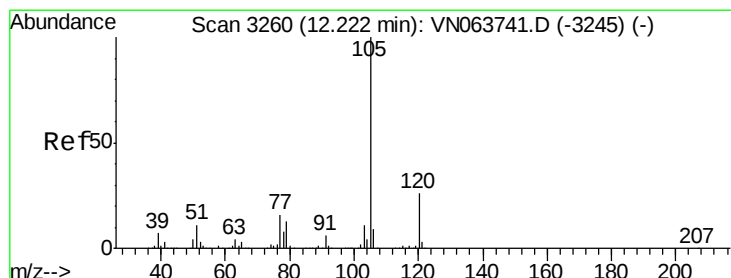
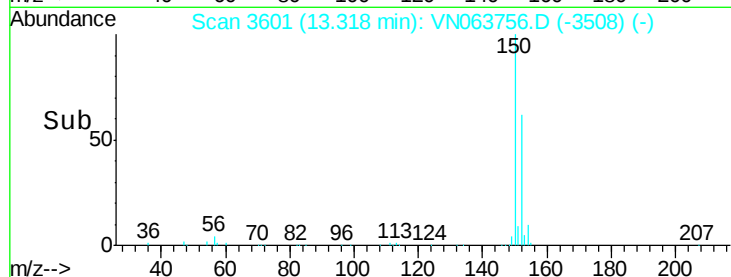
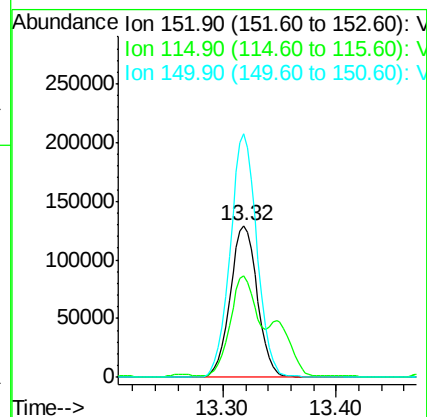
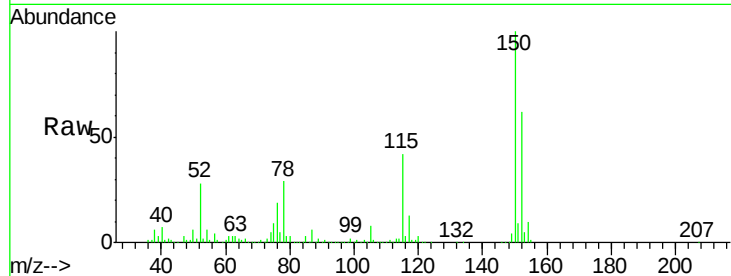
152 100

115 66.8 31.3 93.8

150 157.2 0.0 341.8

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10/1/2020 2:40:42 PM



#73

Isopropylbenzene

Concen: 19.575 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063756.D

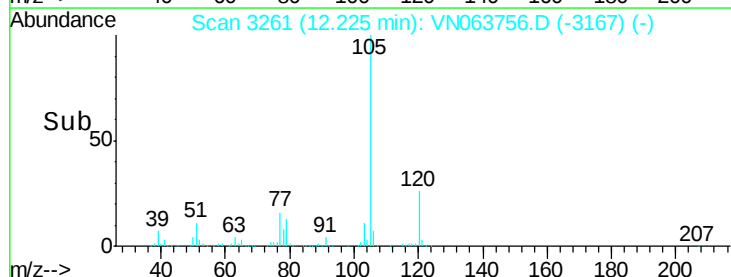
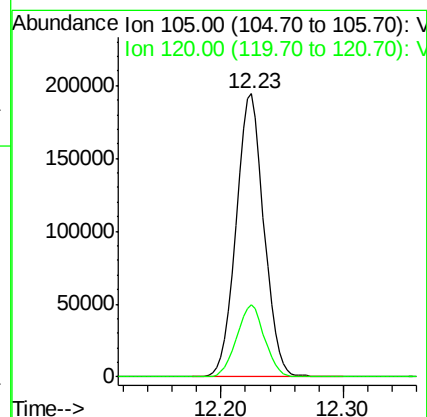
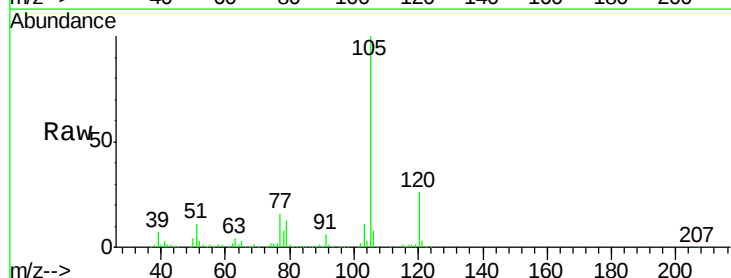
Acq: 30 Sep 2020 17:55

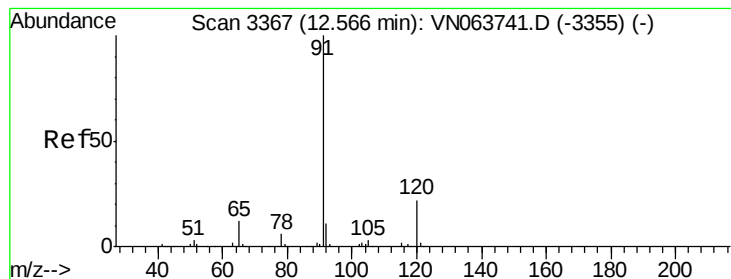
Tgt Ion:105 Resp: 308434

Ion Ratio Lower Upper

105 100

120 25.6 12.6 37.8





#78

n-propylbenzene

Concen: 56.878 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063756.D

Acq: 30 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion: 91 Resp: 1042970

Ion Ratio Lower Upper

91 100

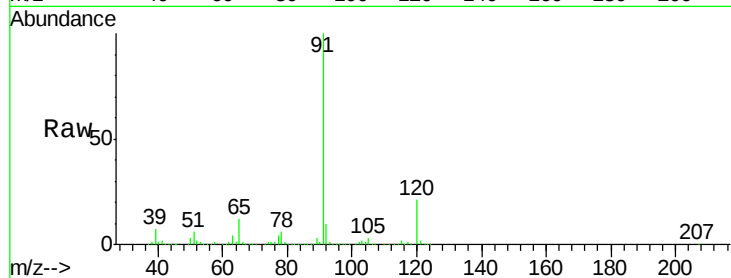
120 21.2 11.1 33.1

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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3355) (-)

12.57

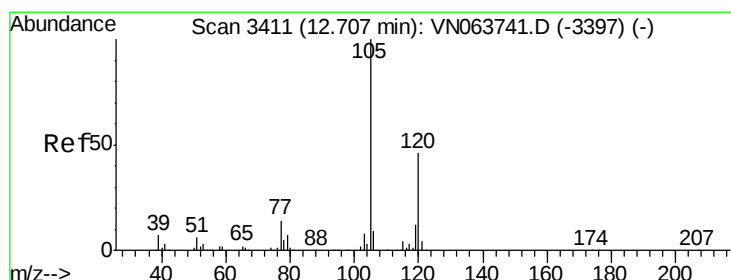
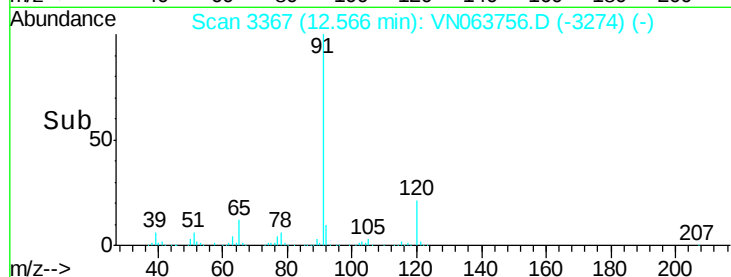
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.920 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063756.D

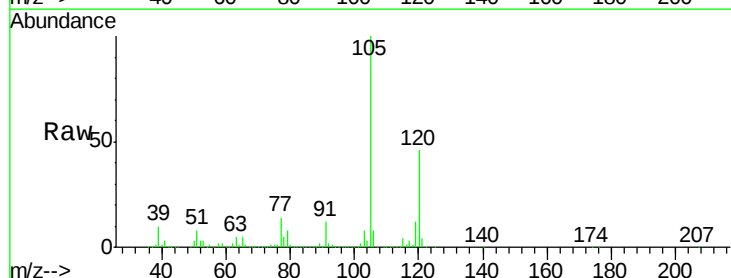
Acq: 30 Sep 2020 17:55

Tgt Ion:105 Resp: 1400112

Ion Ratio Lower Upper

105 100

120 46.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

12.71

1000000

800000

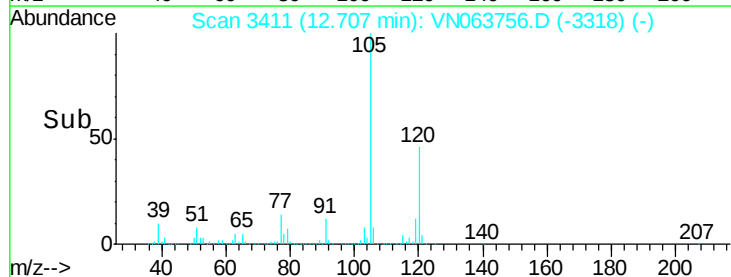
600000

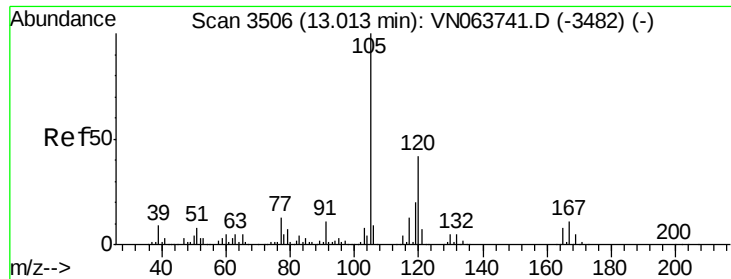
400000

200000

0

Time-->





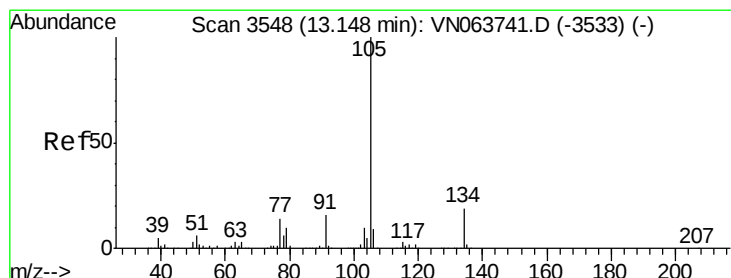
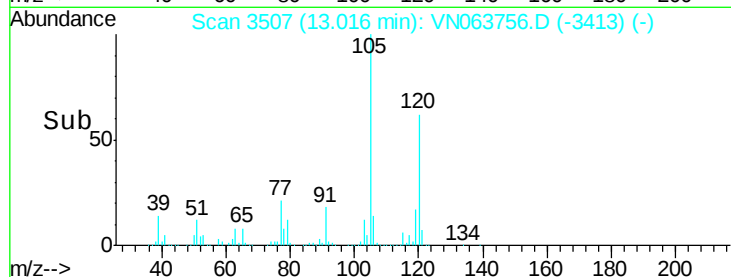
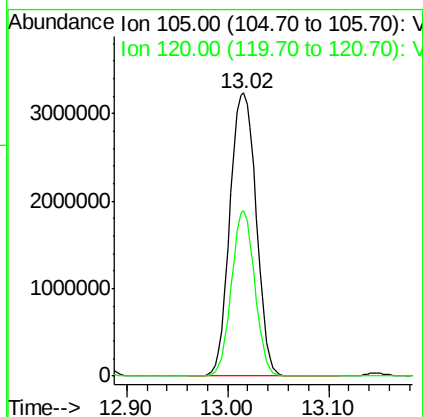
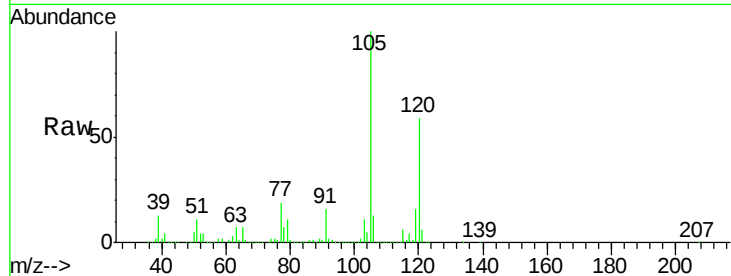
#84
1,2,4-Trimethylbenzene
Concen: 445.475 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion:105 Resp: 5879189
Ion Ratio Lower Upper
105 100
120 51.9 20.9 62.7

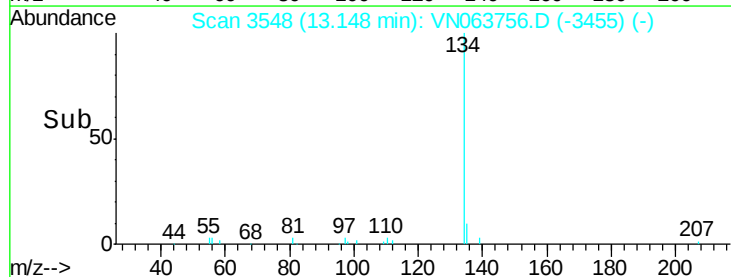
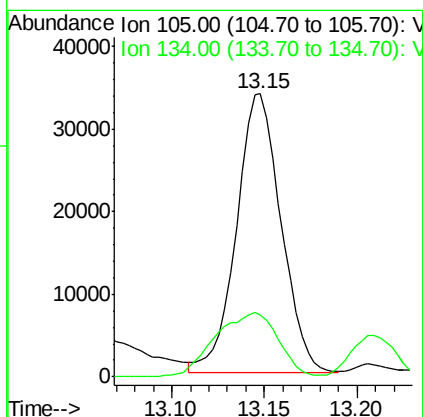
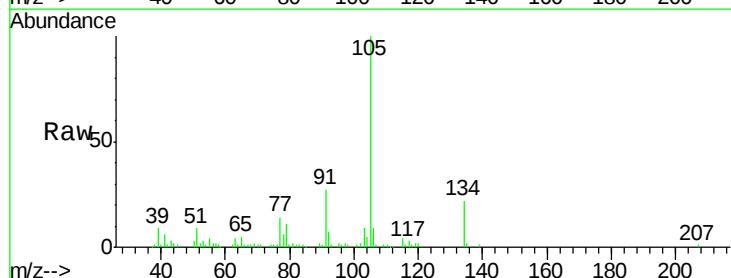
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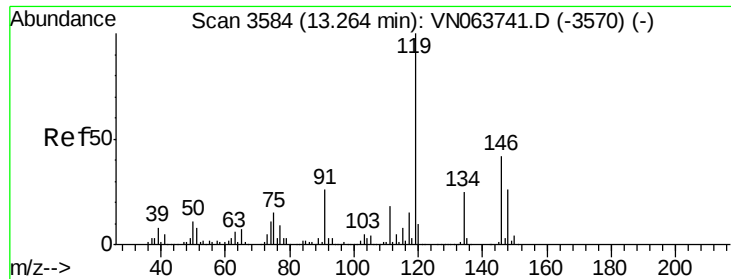
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#85
sec-Butylbenzene
Concen: 3.939 ug/l m
RT: 13.15 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Tgt Ion:105 Resp: 55935
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





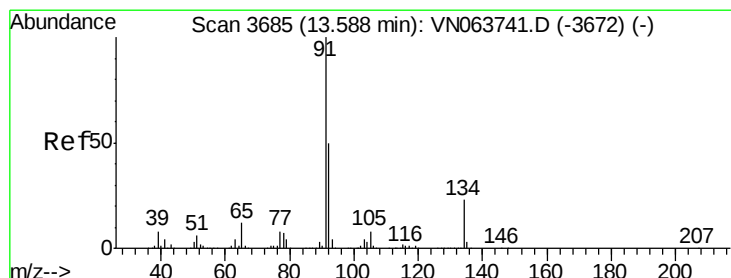
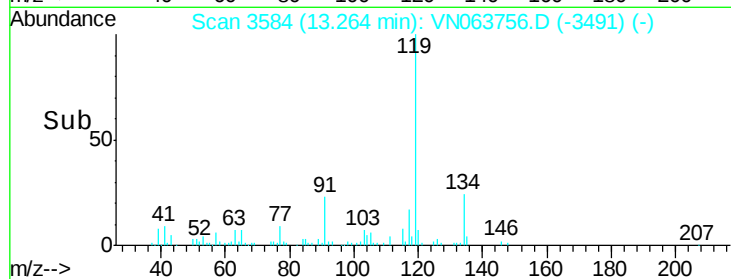
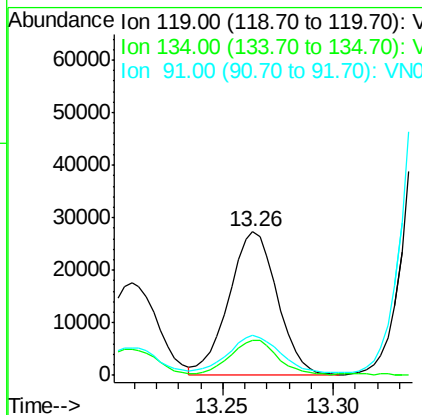
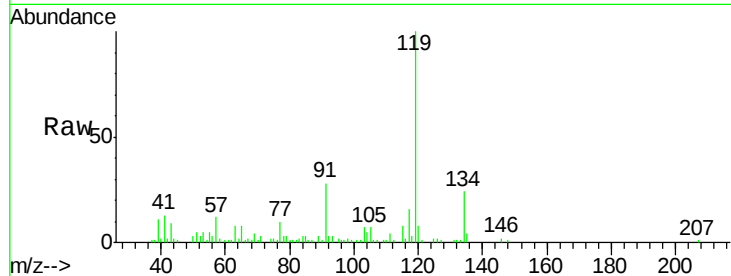
#86
 p-Isopropyltoluene
 Concen: 3.325 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063756.D
 Acq: 30 Sep 2020 17:55

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.0	12.6	37.8
91	0.0	13.4	40.2#

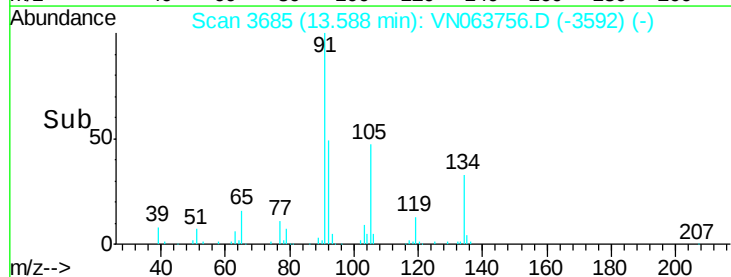
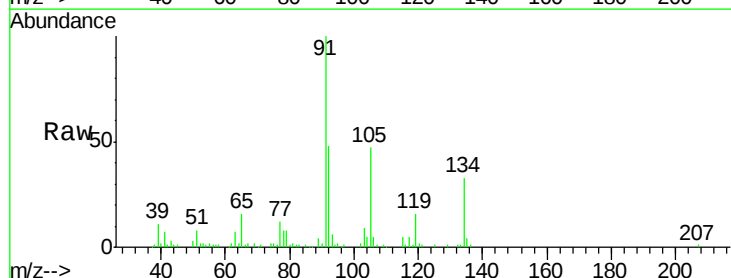
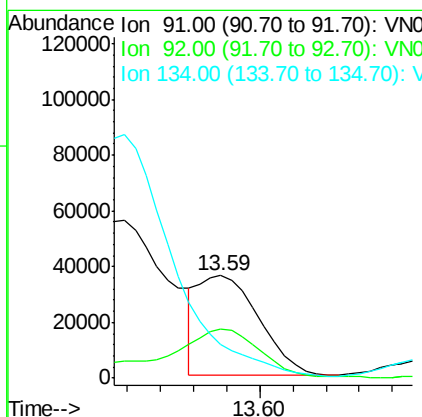
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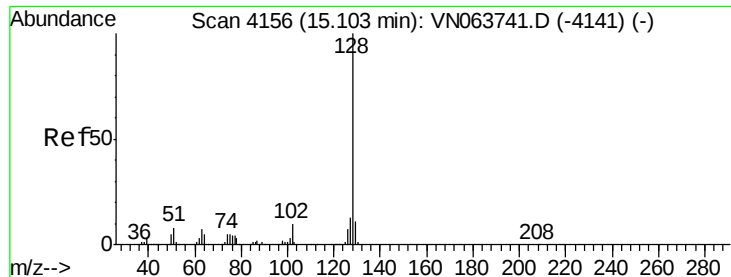
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#89
 n-Butylbenzene
 Concen: 3.894 ug/l m
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN063756.D
 Acq: 30 Sep 2020 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.4	76.4#
134	361.0	11.7	35.1#





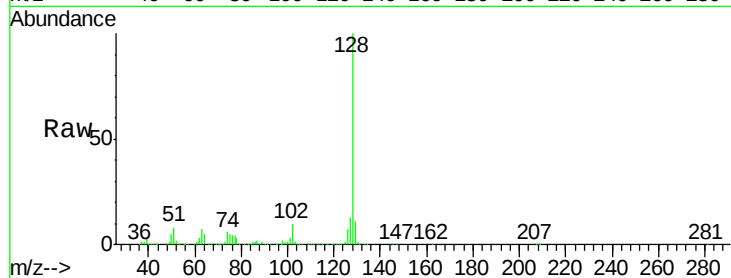
#95
Naphthalene
Concen: 73.562 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063756.D
Acq: 30 Sep 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	868425		
127	13.3		10.5	15.7
129	10.8		8.7	13.1

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10/1/2020 2:40:42 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

