

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063767.D
 Acq On : 1 Oct 2020 13:22
 Operator : JC/MD
 Sample : L4181-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40741DL

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:19 PM

Quant Time: Oct 02 02:35:27 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	7.62	168	213517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	384852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	390879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178938	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	176568	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.55	113	127827	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.06	98	488124	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.38	95	201480	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
Target Compounds						
					Qvalue	
16) Acetone	3.77	43	251253	231.386	ug/l	97
25) 2-Butanone	6.79	43	39321	25.542	ug/l	96
40) Benzene	8.01	78	2547	0.229	ug/l #	90
51) 4-Methyl-2-Pentanone	9.95	43	4558	1.216	ug/l	93
52) Toluene	10.13	92	18506	2.687	ug/l	99
59) 2-Hexanone	10.73	43	2577	0.925	ug/l	95
67) Ethyl Benzene	11.48	91	65403	4.483	ug/l	98
68) m/p-Xylenes	11.59	106	114051	20.974	ug/l	99
69) o-Xylene	11.92	106	73587	14.479	ug/l	98
73) Isopropylbenzene	12.23	105	18928	1.450	ug/l	99
78) n-propylbenzene	12.57	91	85830	5.651	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	138887	12.684	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	639928	58.536	ug/l	98
85) sec-Butylbenzene	13.15	105	12587m	1.070	ug/l	
86) p-Isopropyltoluene	13.26	119	8291	0.797	ug/l	91
89) n-Butylbenzene	13.59	91	17204	1.791	ug/l #	70
95) Naphthalene	15.10	128	266357	28.450	ug/l	99

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

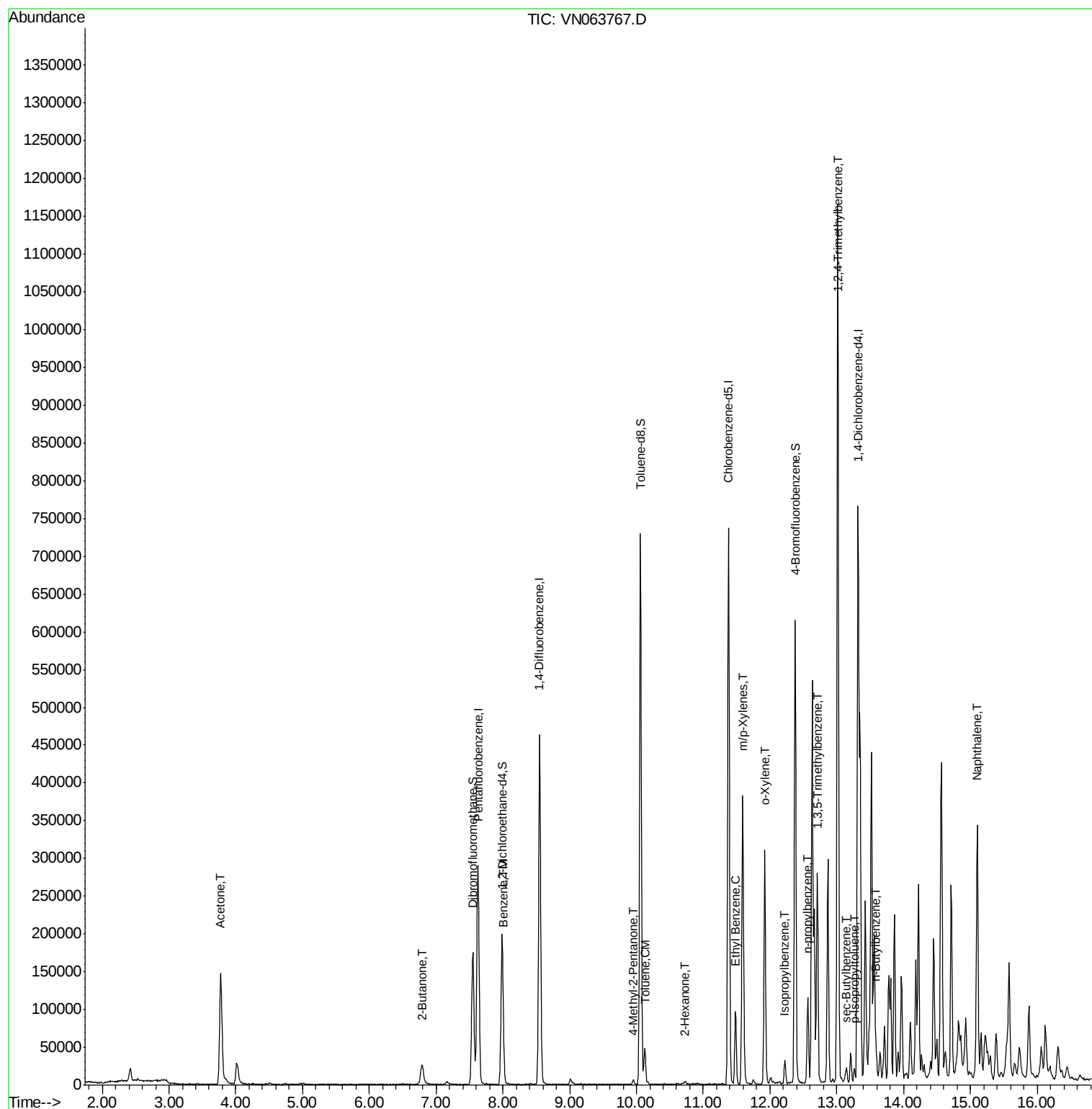
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
Data File : VN063767.D
Acq On : 1 Oct 2020 13:22
Operator : JC/MD
Sample : L4181-04DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

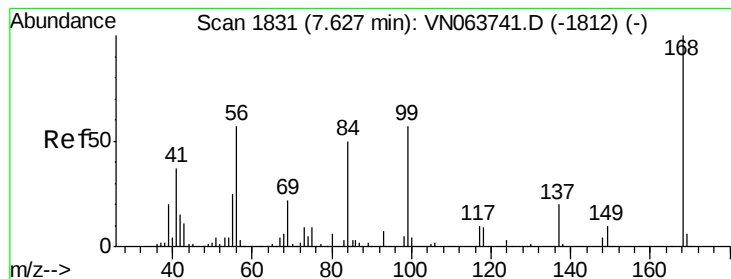
Instrument :
MSVOA_N
ClientSampleId :
40741DL

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:19 PM

Quant Time: Oct 02 02:35:27 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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063767.D

Acq: 1 Oct 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40741DL

Tot Ion:168 Resp: 213517

Ion Ratio Lower Upper

168 100

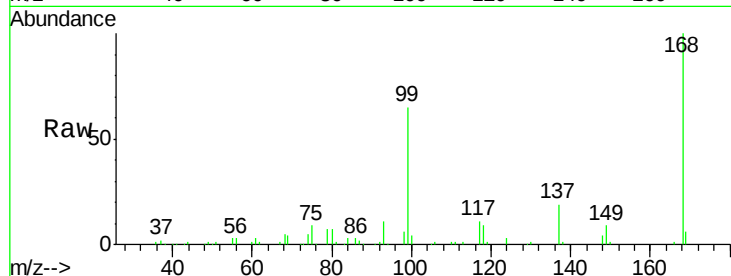
99 65.1 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

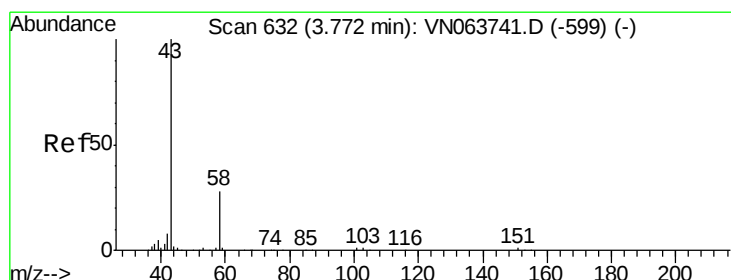
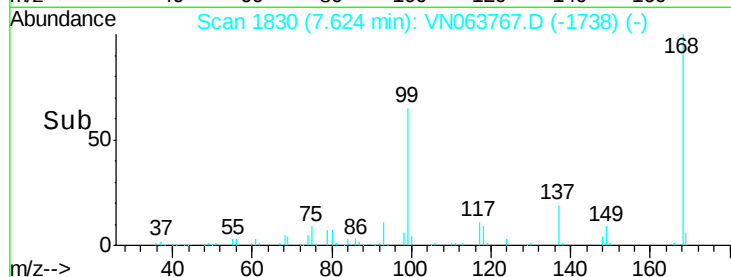
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 231.386 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063767.D

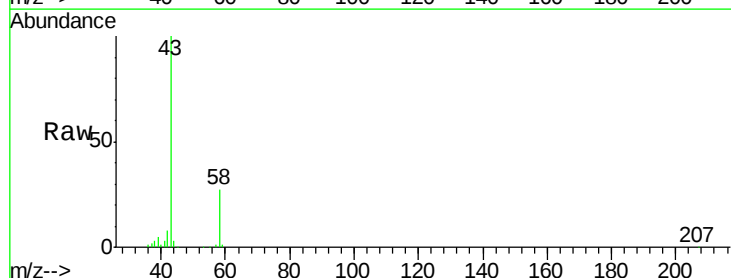
Acq: 1 Oct 2020 13:22

Tgt Ion: 43 Resp: 251253

Ion Ratio Lower Upper

43 100

58 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.77

100000

80000

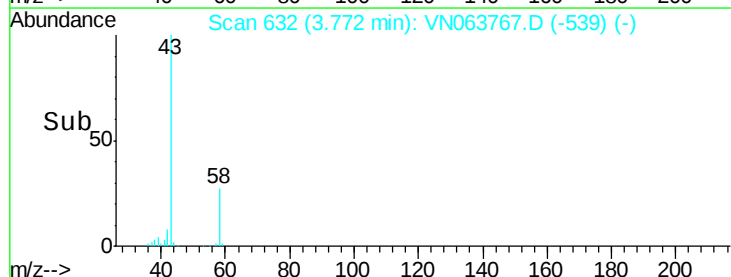
60000

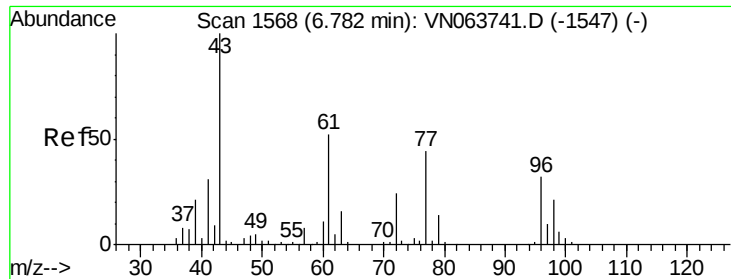
40000

20000

0

Time--> 3.70 3.80 3.90





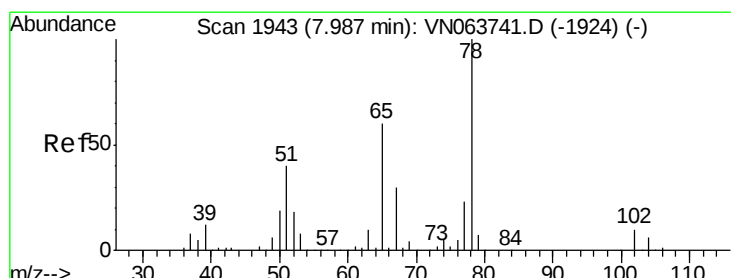
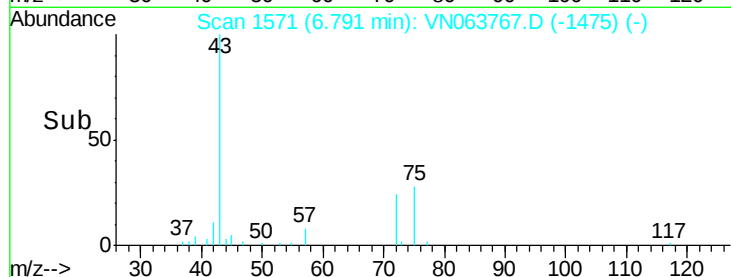
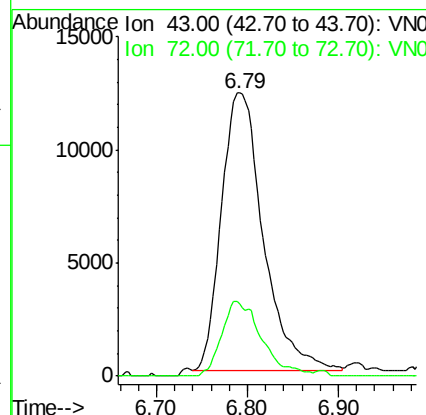
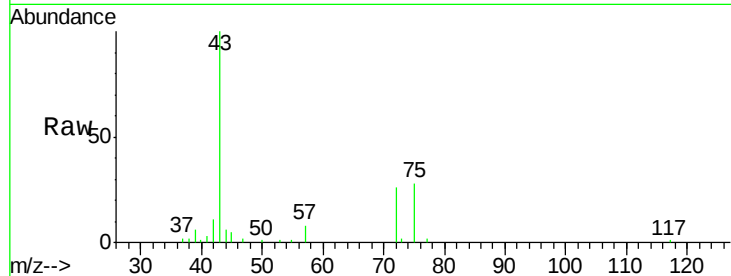
#25
2-Butanone
Concen: 25.542 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40741DL

Tot Ion: 43 Resp: 39321
Ion Ratio Lower Upper
43 100
72 26.1 19.3 28.9

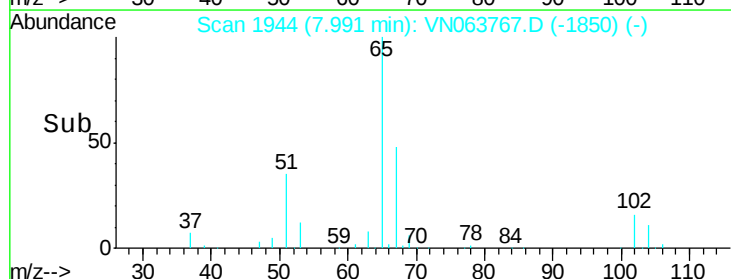
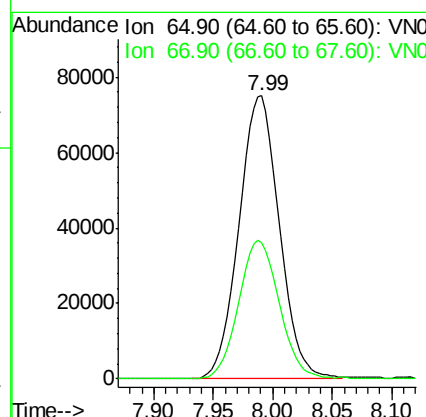
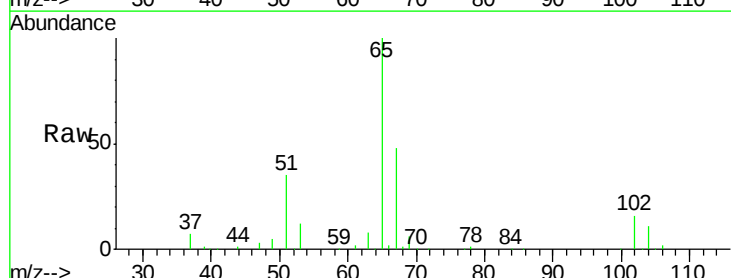
Manual Integrations
APPROVED

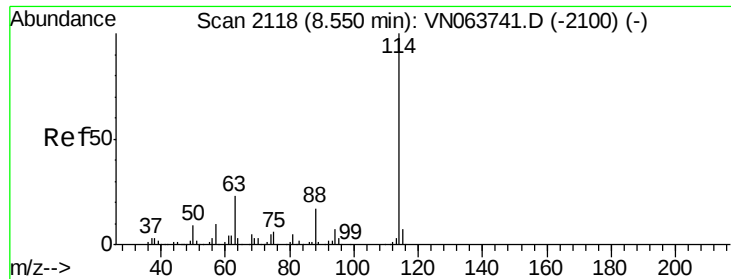
MMDadoda
10/2/2020 3:11:19 PM



#33
1,2-Dichloroethane-d4
Concen: 50.055 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion: 65 Resp: 176568
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.6





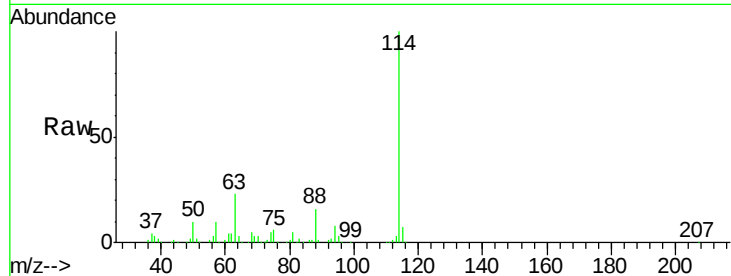
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063767.D
 Acq: 1 Oct 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 40741DL

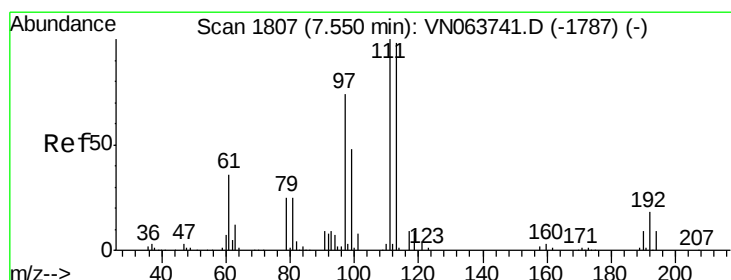
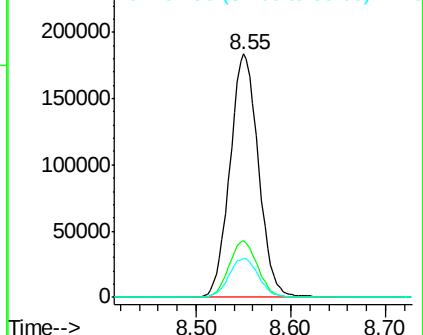
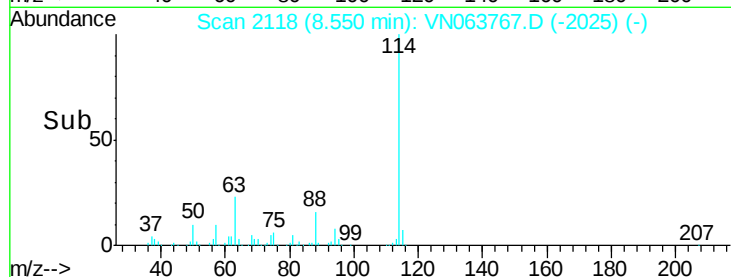
Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.1	0.0	45.0
88	16.1	0.0	34.0

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:19 PM

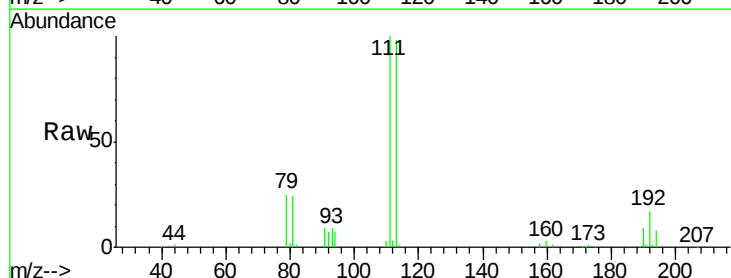


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

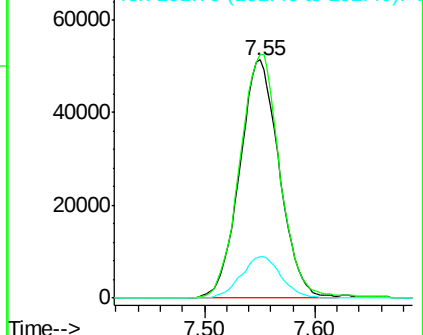
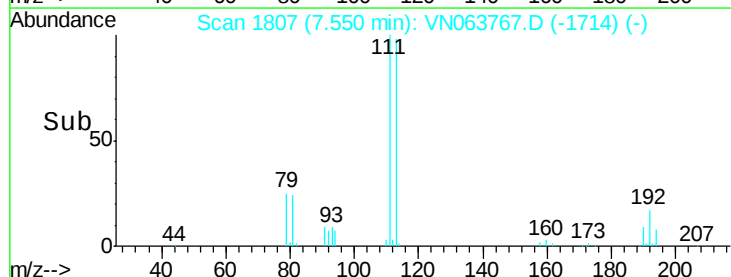


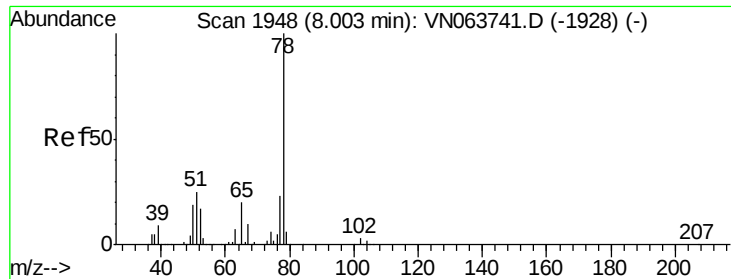
#35
 Dibromofluoromethane
 Concen: 47.868 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063767.D
 Acq: 1 Oct 2020 13:22

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.7	81.8	122.8
192	17.7	14.2	21.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





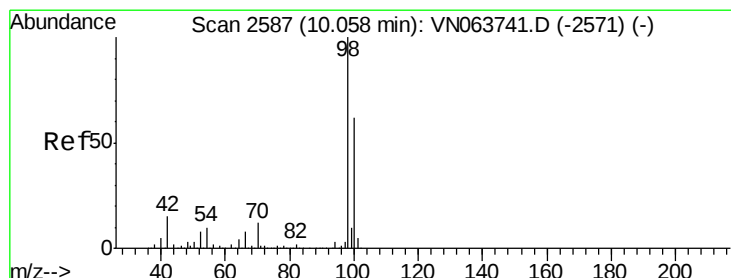
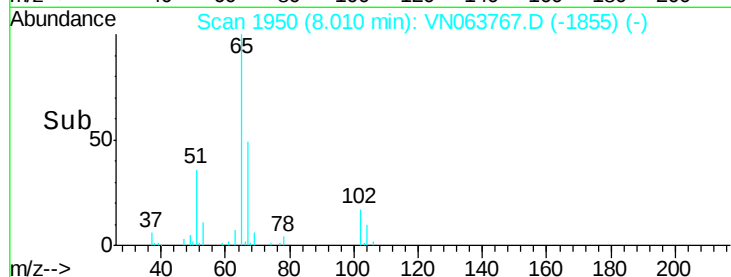
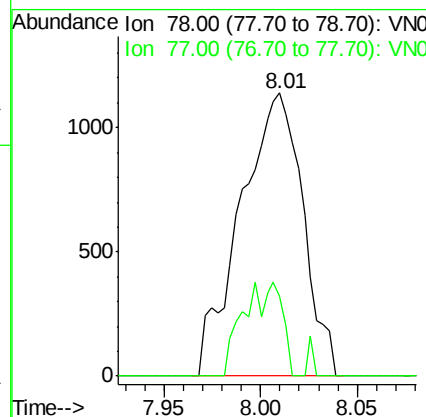
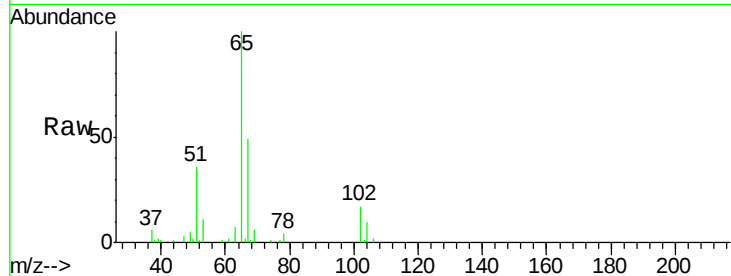
#40
Benzene
Concen: 0.229 ug/l
RT: 8.01 min Scan# 1950
Delta R.T. 0.01 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
40741DL

Tot Ion: 78 Resp: 2547
Ion Ratio Lower Upper
78 100
77 28.2 18.7 28.1#

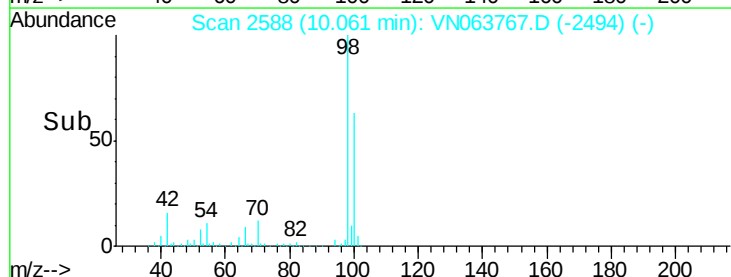
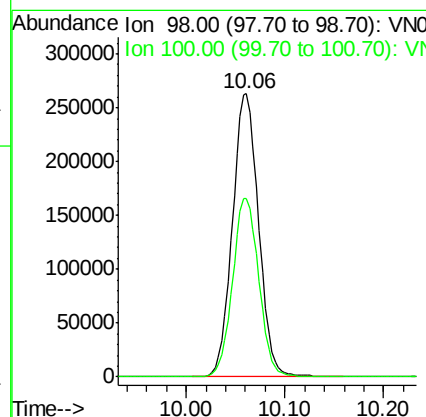
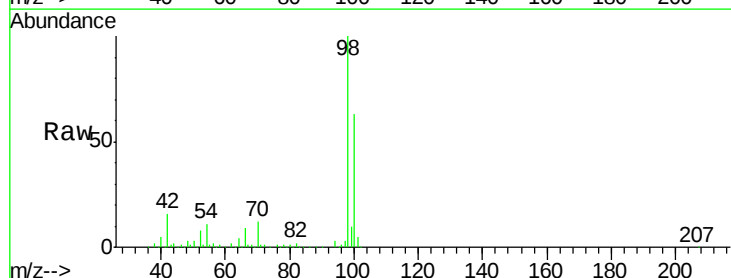
Manual Integrations
APPROVED

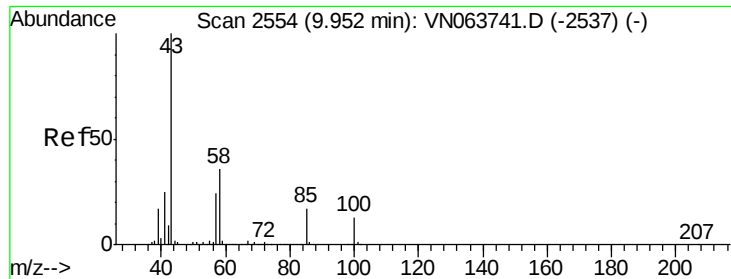
MMDadoda
10/2/2020 3:11:19 PM



#50
Toluene-d8
Concen: 48.218 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion: 98 Resp: 488124
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.6





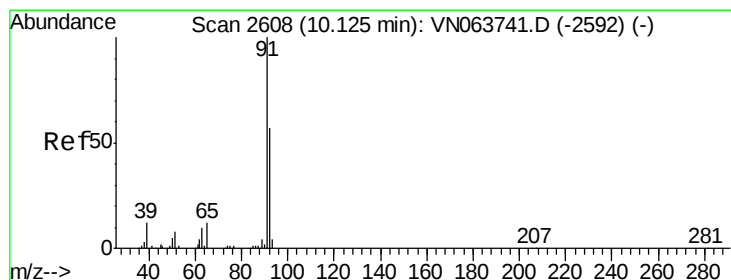
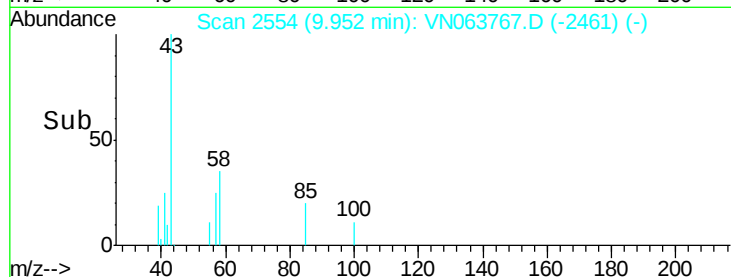
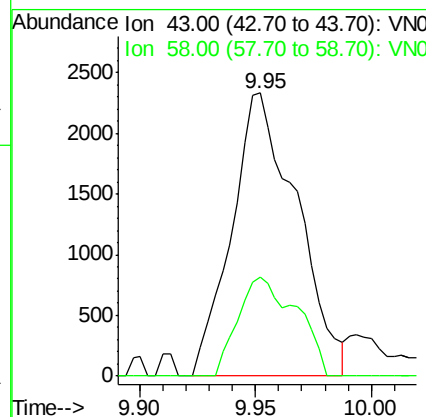
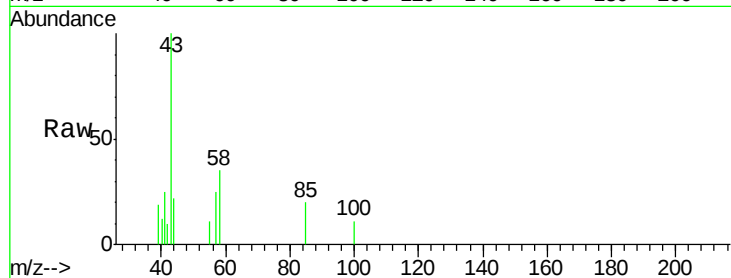
#51
4-Methyl-2-Pentanone
Concen: 1.216 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40741DL

Tot Ion	43	Resp	4558
Ion Ratio	100	Lower	Upper
43	100		
58	31.4	28.4	42.6

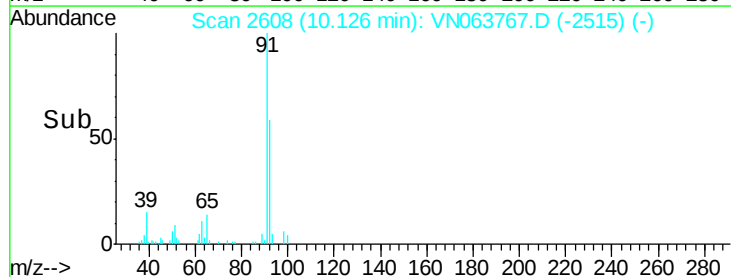
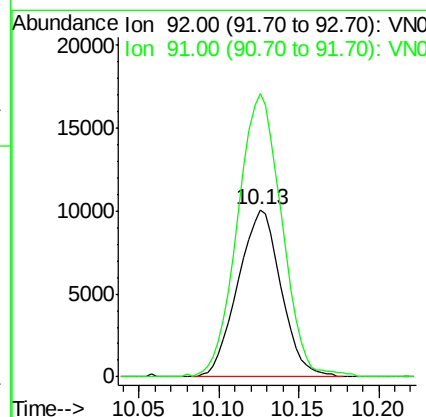
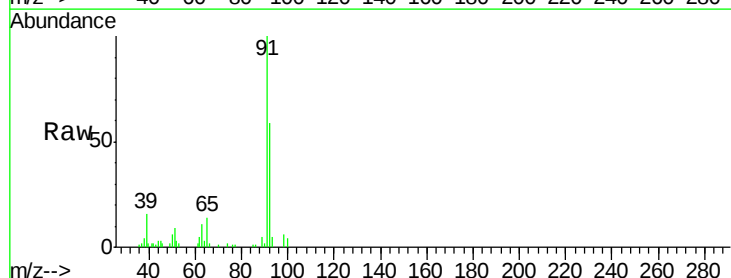
Manual Integrations
APPROVED

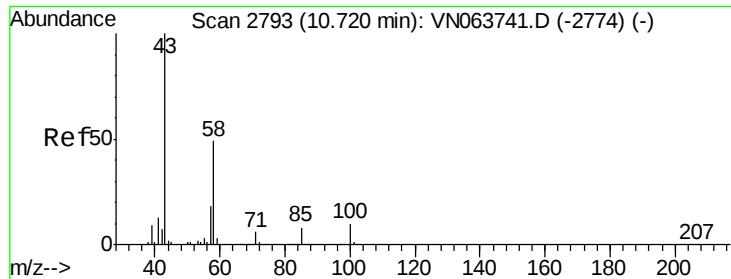
MMDadoda
10/2/2020 3:11:19 PM



#52
Toluene
Concen: 2.687 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion	92	Resp	18506
Ion Ratio	100	Lower	Upper
92	100		
91	174.3	140.6	210.8





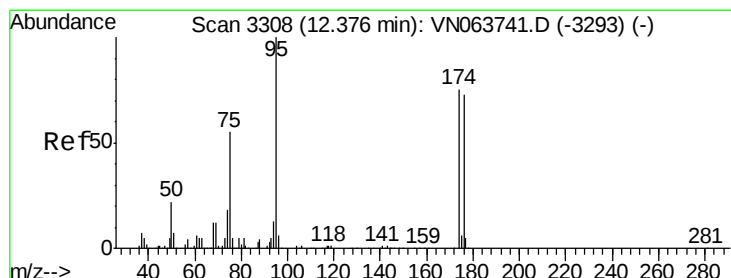
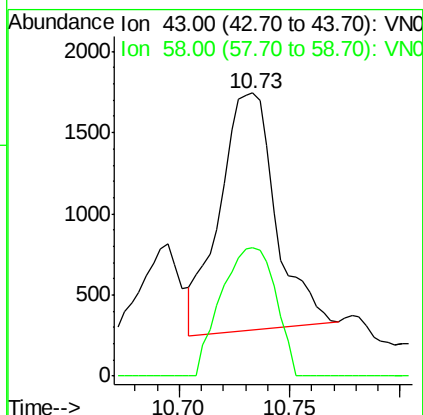
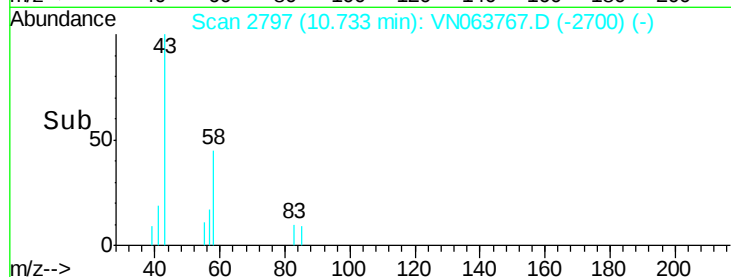
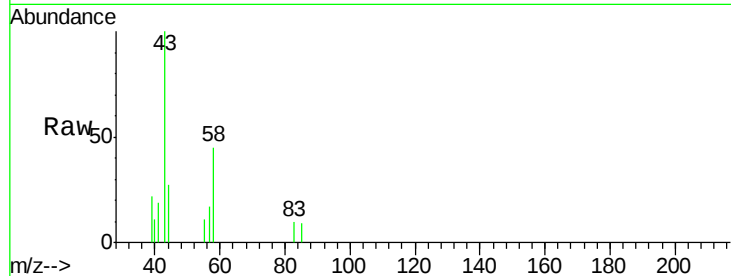
#59
2-Hexanone
Concen: 0.925 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40741DL

Tot Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
58 52.8 24.6 73.8

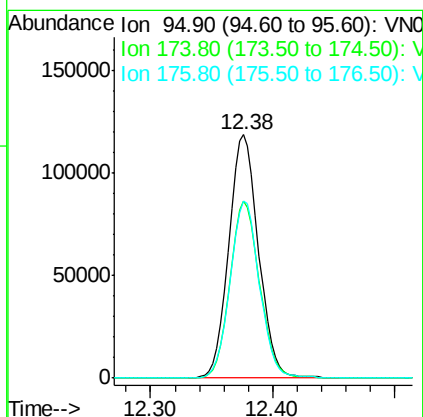
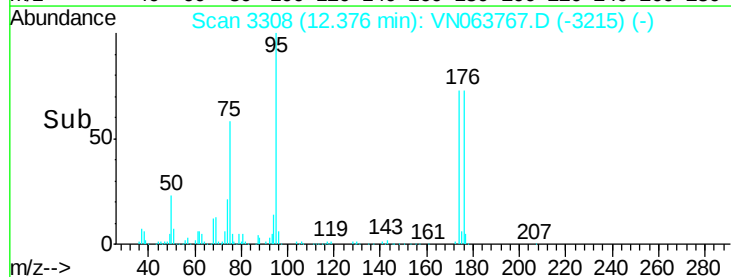
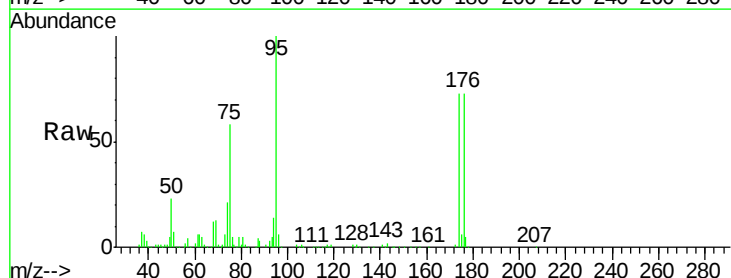
Manual Integrations
APPROVED

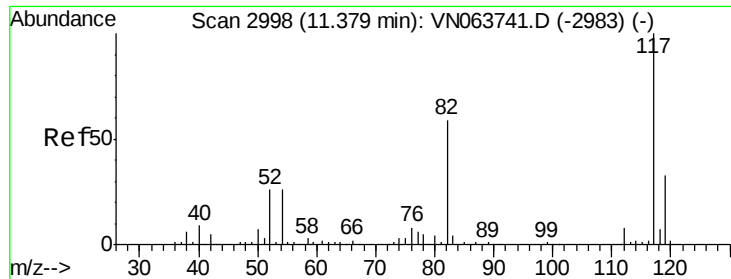
MMDadoda
10/2/2020 3:11:19 PM



#62
4-Bromofluorobenzene
Concen: 52.946 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion: 95 Resp: 201480
Ion Ratio Lower Upper
95 100
174 72.5 0.0 150.6
176 71.9 0.0 145.4





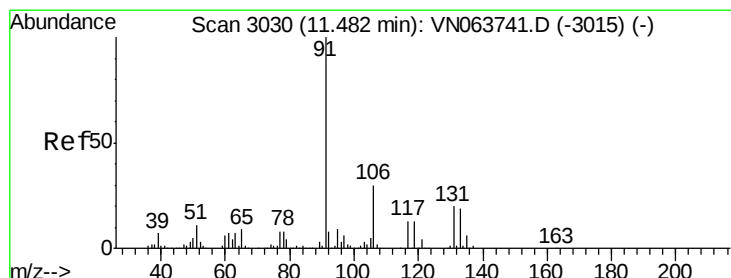
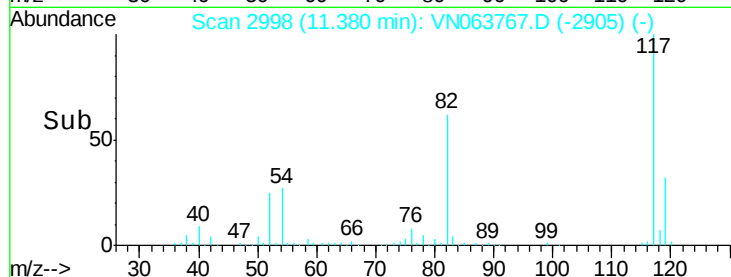
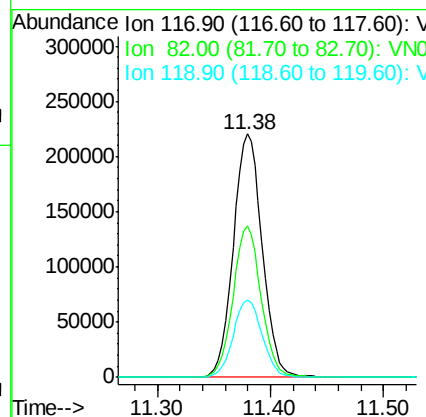
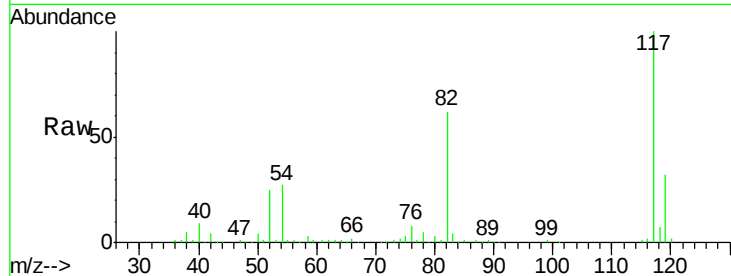
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40741DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.4	71.2
119	31.6	26.4	39.6

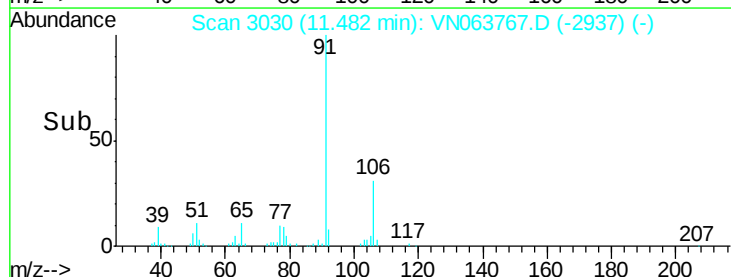
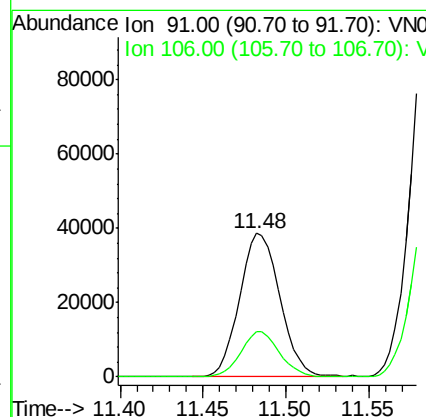
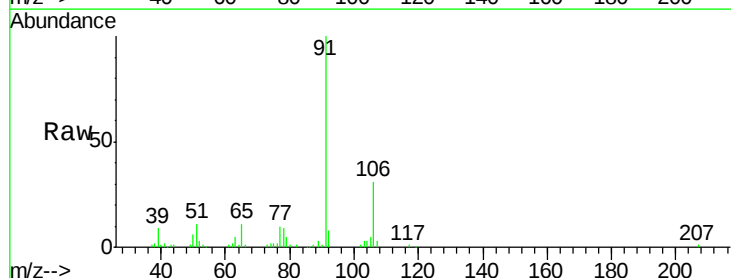
Manual Integrations
APPROVED

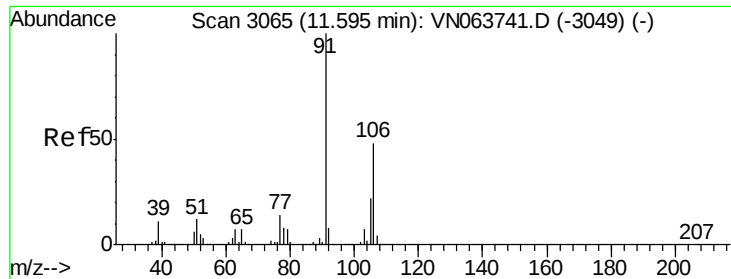
MMDadoda
10/2/2020 3:11:19 PM



#67
Ethyl Benzene
Concen: 4.483 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.2





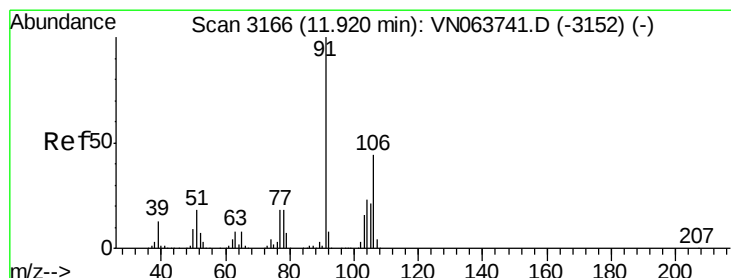
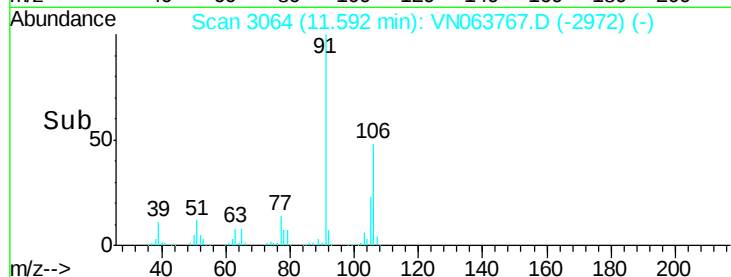
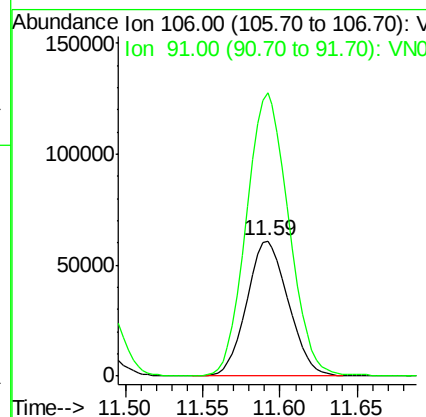
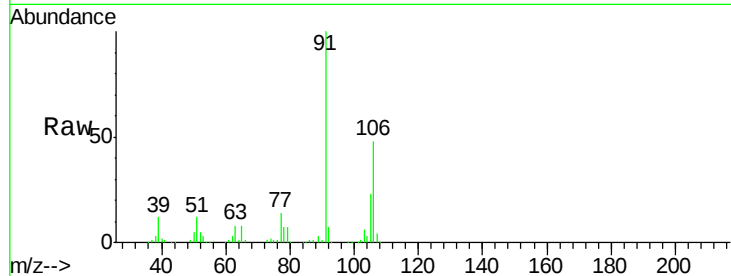
#68
m/p-Xylenes
Concen: 20.974 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40741DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.7	168.0	252.0		

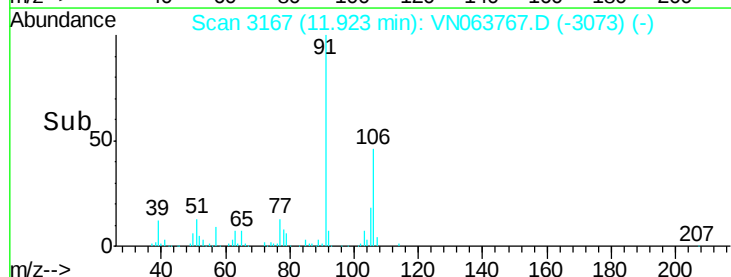
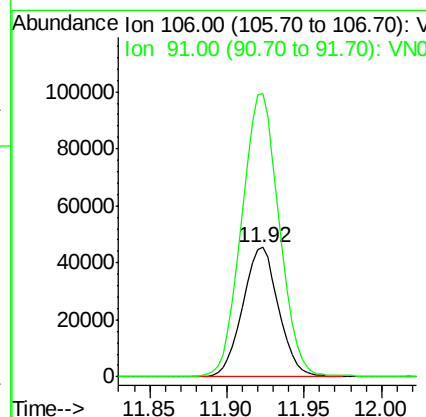
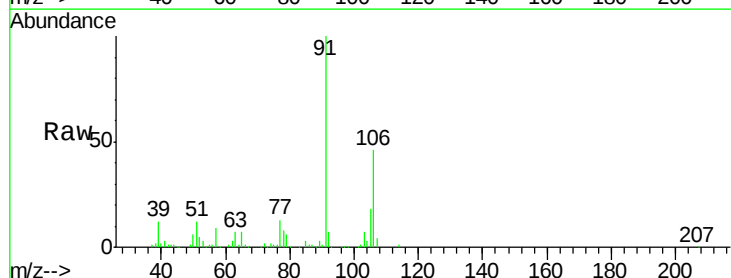
Manual Integrations
APPROVED

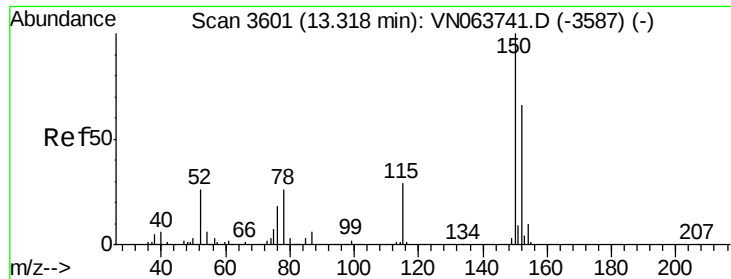
MMDadoda
10/2/2020 3:11:19 PM



#69
o-Xylene
Concen: 14.479 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	228.7	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: VN063767.D

Acq: 1 Oct 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

40741DL

Tot Ion:152 Resp: 178938

Ion Ratio Lower Upper

152 100

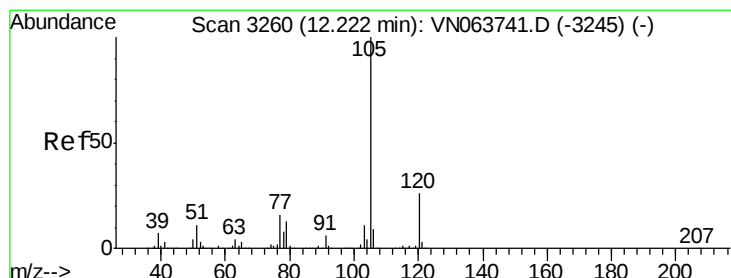
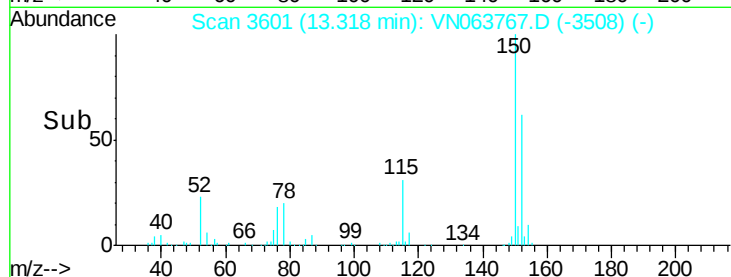
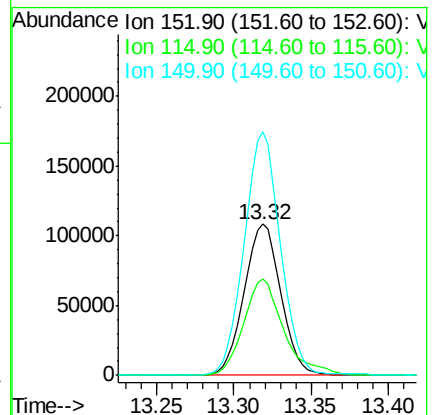
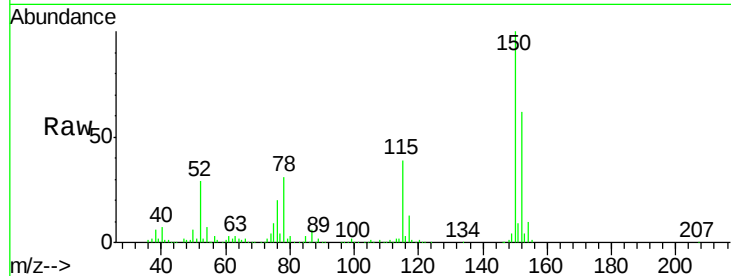
115 68.5 31.3 93.8

150 159.3 0.0 341.8

Manual Integrations
APPROVED

MMDadoda

10/2/2020 3:11:19 PM



#73

Isopropylbenzene

Concen: 1.450 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063767.D

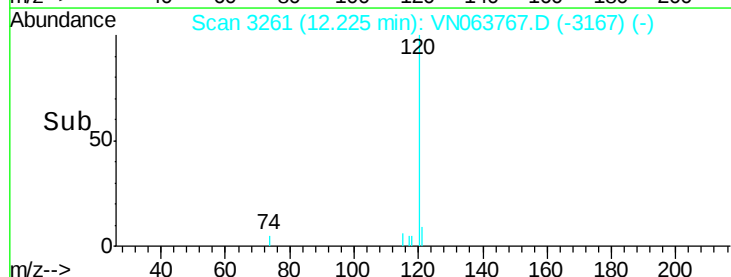
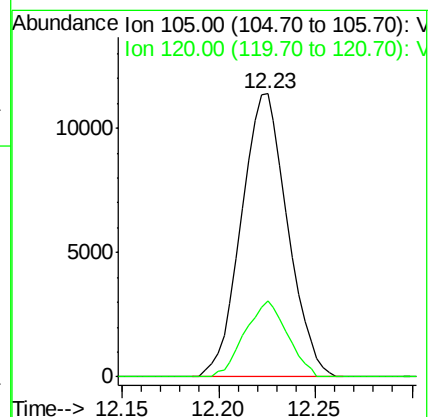
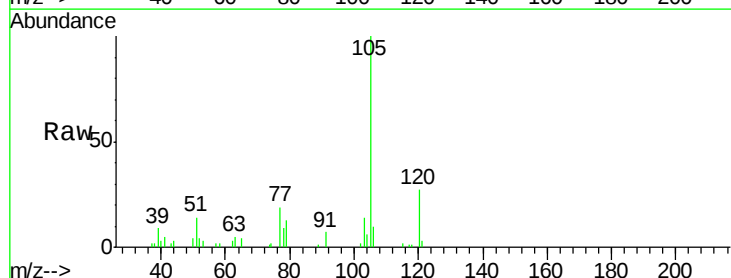
Acq: 1 Oct 2020 13:22

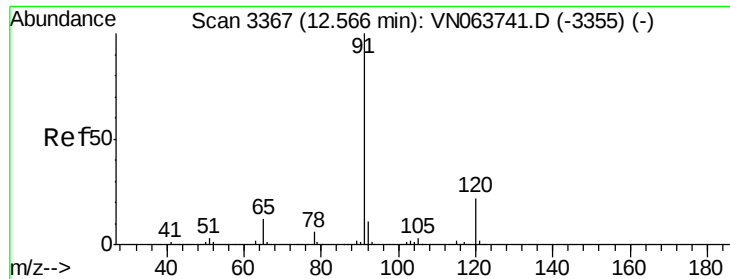
Tgt Ion:105 Resp: 18928

Ion Ratio Lower Upper

105 100

120 24.6 12.6 37.8





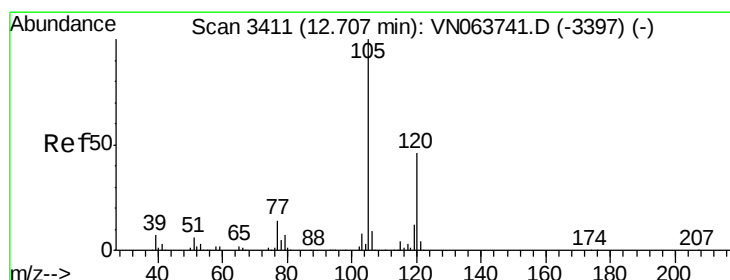
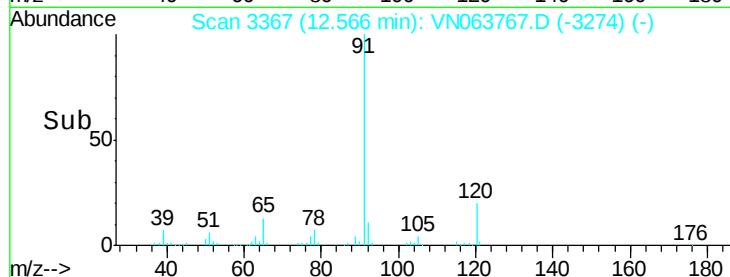
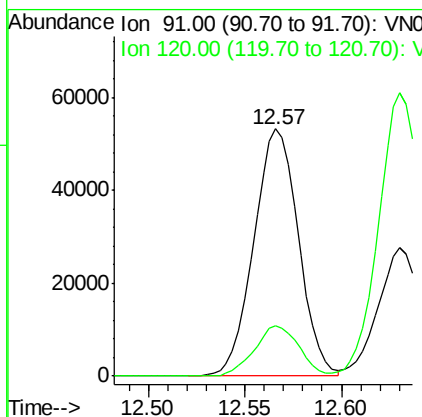
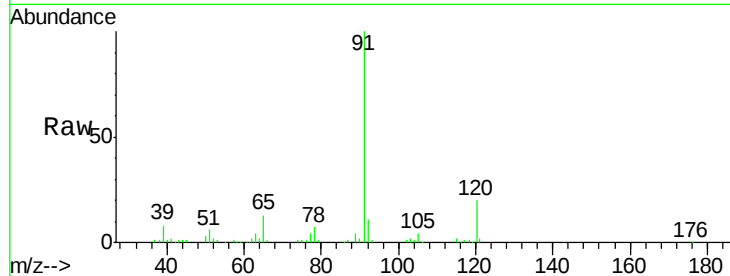
#78
n-propylbenzene
Concen: 5.651 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
40741DL

Tot Ion	Ratio	Lower	Upper
91	100		
120	20.6	11.1	33.1

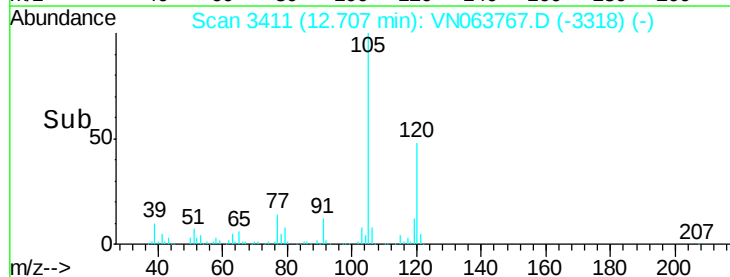
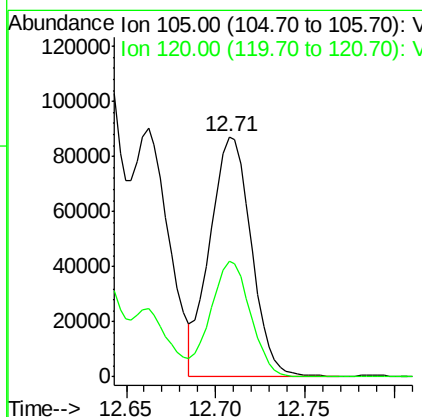
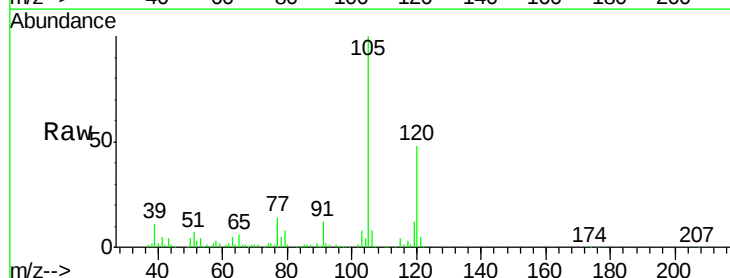
Manual Integrations
APPROVED

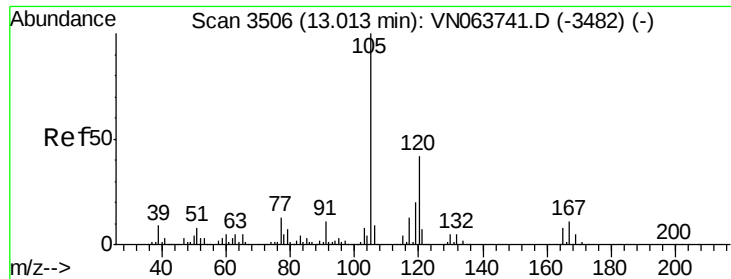
MMDadoda
10/2/2020 3:11:19 PM



#80
1,3,5-Trimethylbenzene
Concen: 12.684 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.3	69.9





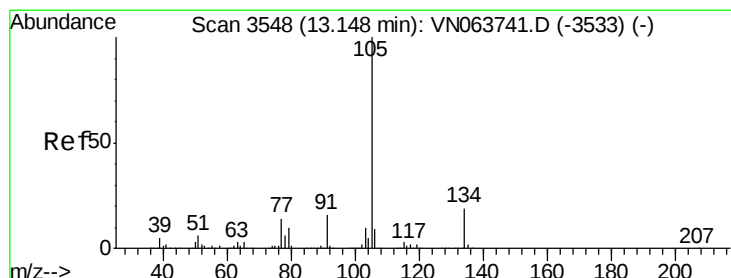
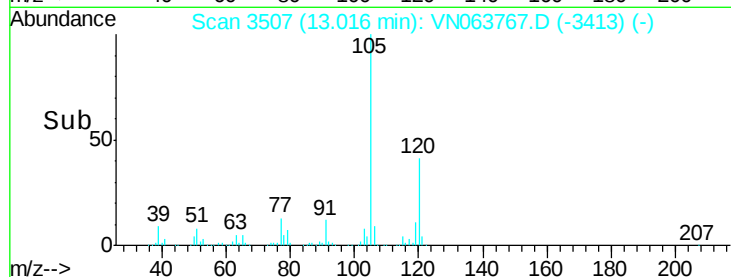
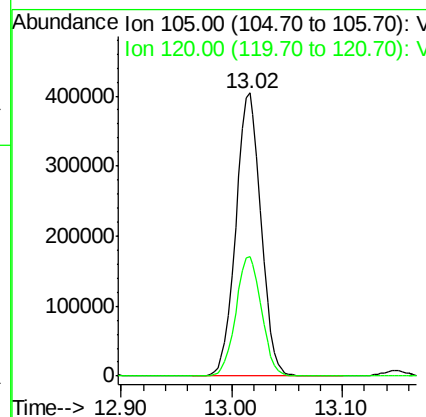
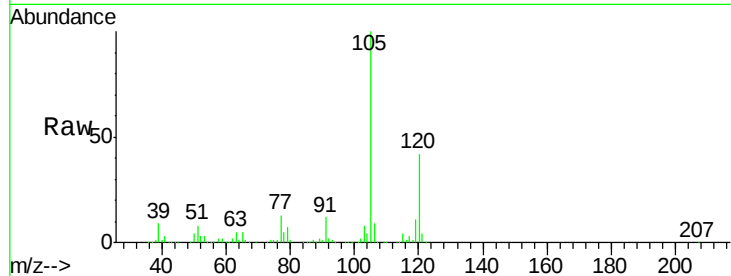
#84
 1,2,4-Trimethylbenzene
 Concen: 58.536 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063767.D
 Acq: 1 Oct 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 40741DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.8	20.9	62.7

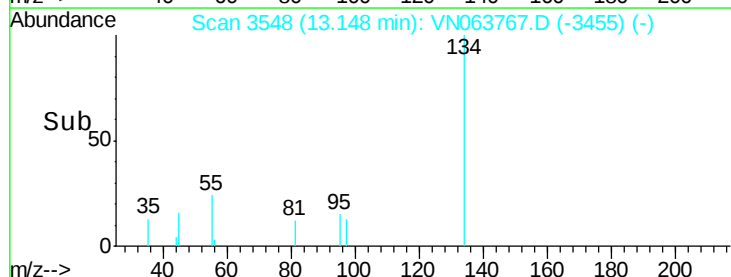
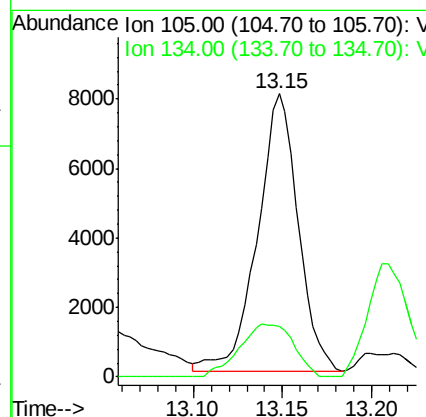
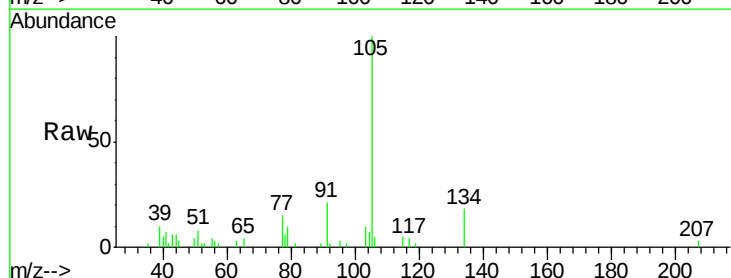
Manual Integrations
 APPROVED

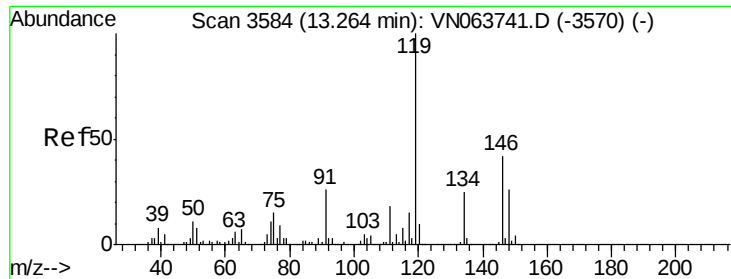
MMDadoda
 10/2/2020 3:11:19 PM



#85
 sec-Butylbenzene
 Concen: 1.070 ug/l m
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063767.D
 Acq: 1 Oct 2020 13:22

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





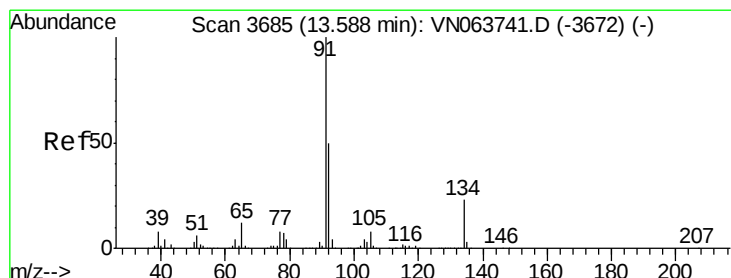
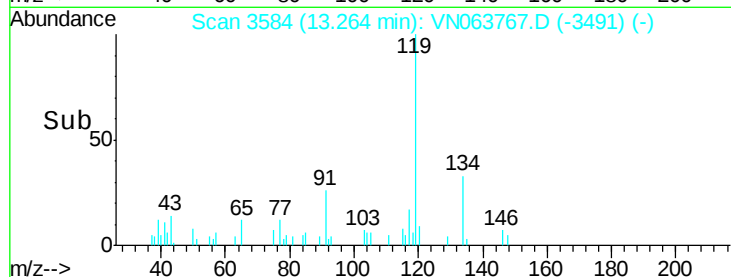
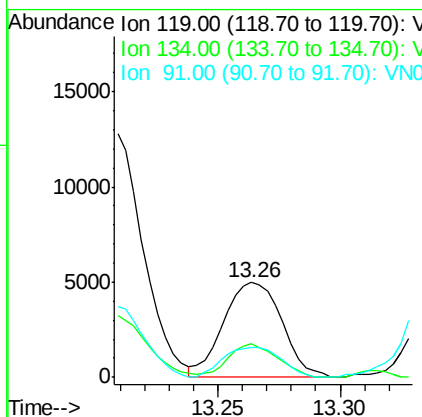
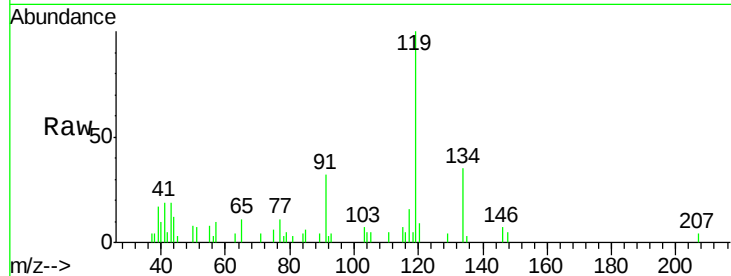
#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
40741DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8291		
134	29.9		12.6	37.8
91	31.2		13.4	40.2

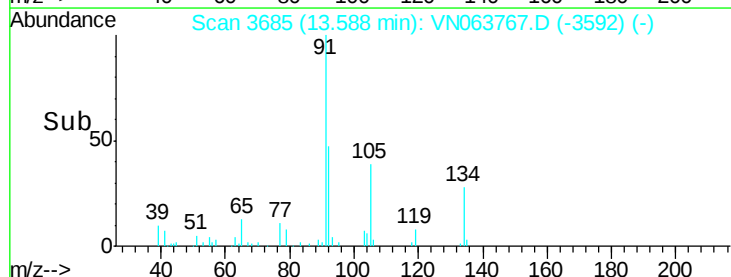
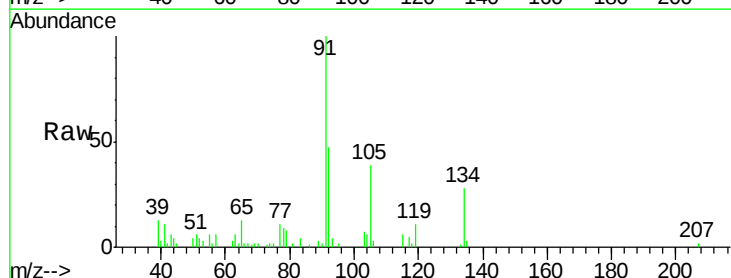
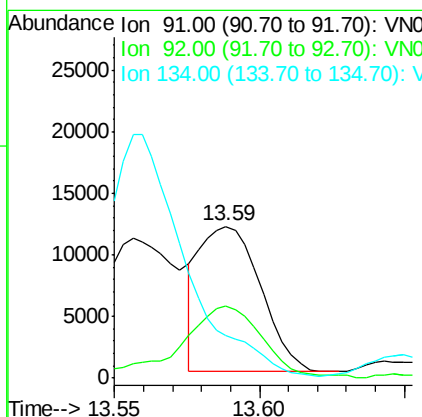
Manual Integrations
APPROVED

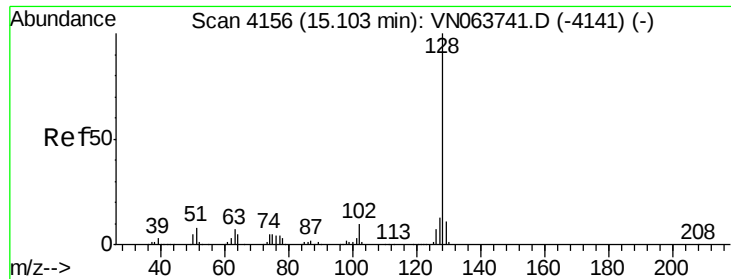
MMDadoda
10/2/2020 3:11:19 PM



#89
n-Butylbenzene
Concen: 1.791 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	17204		
92	65.6		25.4	76.4
134	0.0		11.7	35.1#





#95
Naphthalene
Concen: 28.450 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063767.D
Acq: 1 Oct 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
40741DL

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.2	10.5	15.7
129	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:19 PM

