

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064679.D
 Acq On : 17 Nov 2020 14:43
 Operator : JC/MD
 Sample : L4772-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5DL

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:34:24 PM

Quant Time: Nov 18 14:39:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	244560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	479827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	224372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	231663	54.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.76%	
35) Dibromofluoromethane	7.55	113	168143	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
50) Toluene-d8	10.06	98	624449	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.38	95	265927	55.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.38%	
Target Compounds						
67) Ethyl Benzene	11.48	91	60637	2.988	ug/l	97
68) m/p-Xylenes	11.59	106	3925	0.533	ug/l	88
69) o-Xylene	11.92	106	6123	0.861	ug/l	91
73) Isopropylbenzene	12.22	105	178613	10.015	ug/l	99
78) n-propylbenzene	12.57	91	417252	20.522	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	14706	1.000	ug/l	95
83) tert-Butylbenzene	12.97	119	19978	1.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	992364	67.097	ug/l	100
85) sec-Butylbenzene	13.14	105	90748	6.236	ug/l #	77
86) p-Isopropyltoluene	13.26	119	6375m	0.487	ug/l	
89) n-Butylbenzene	13.59	91	49124	4.365	ug/l #	76
95) Naphthalene	15.11	128	9342m	4.327	ug/l	

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

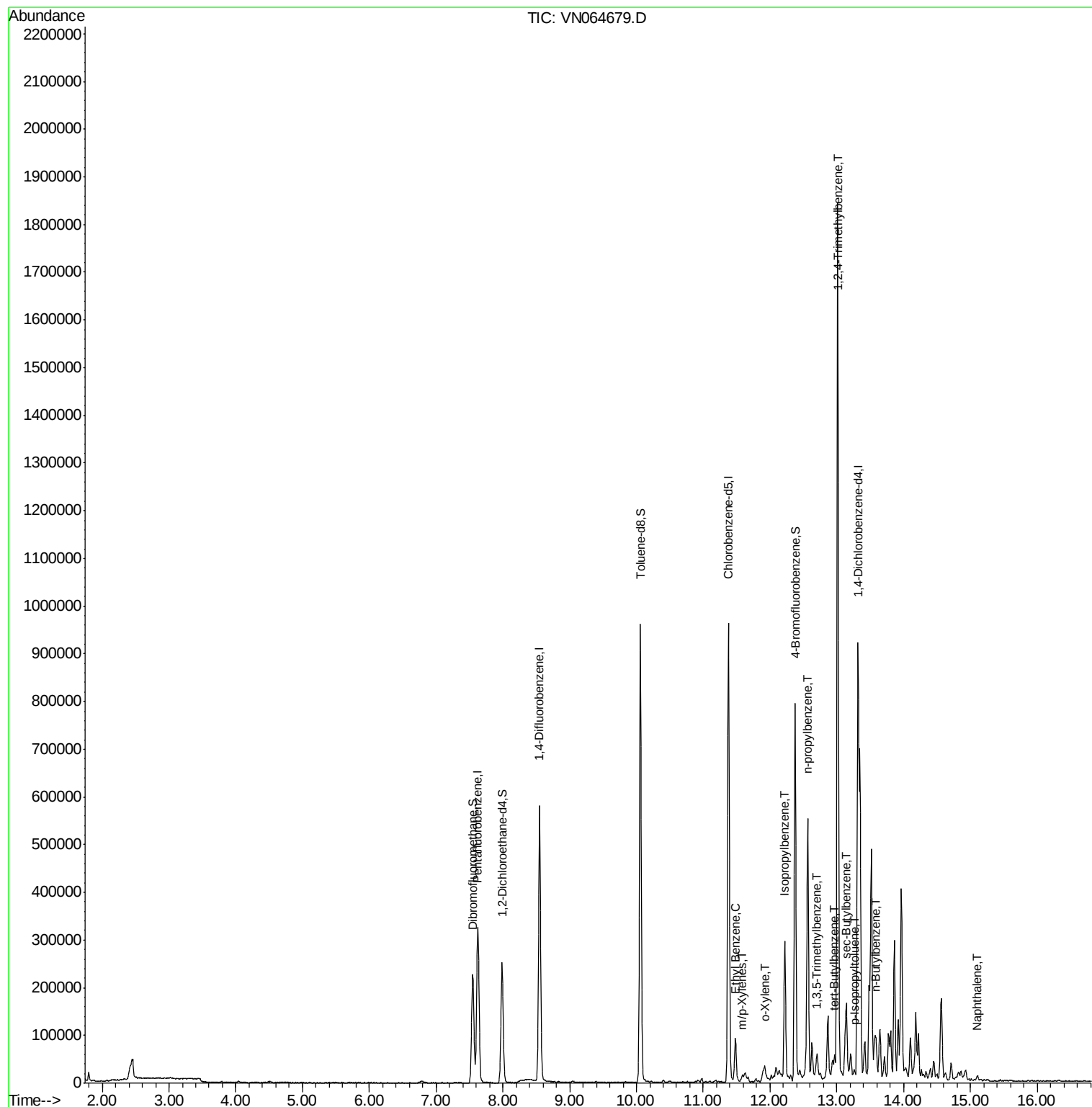
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111720\
Data File : VN064679.D
Acq On : 17 Nov 2020 14:43
Operator : JC/MD
Sample : L4772-01DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

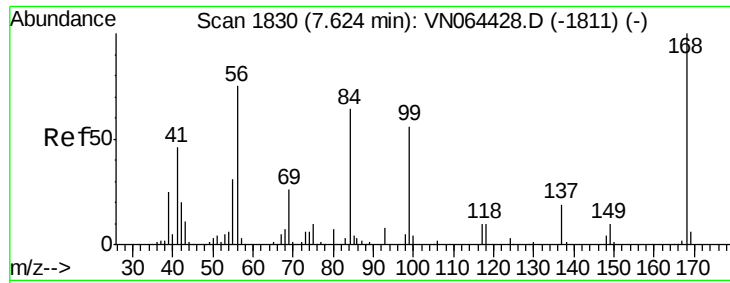
Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

Manual Integrations
APPROVED

MMDadoda
11/18/2020 5:34:24 PM

Quant Time: Nov 18 14:39:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 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: VN064679.D

Acq: 17 Nov 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

MW-5DL

Tot Ion:168 Resp: 244560

Ion Ratio Lower Upper

168 100

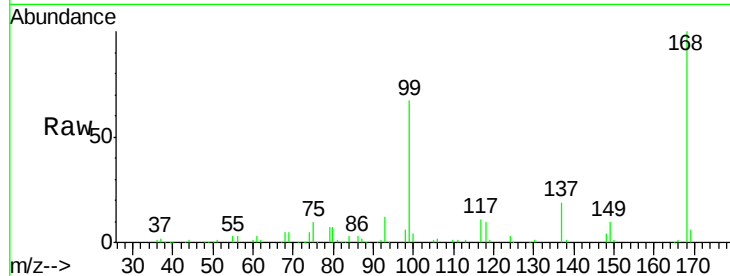
99 67.5 53.4 80.2

Manual Integrations

APPROVED

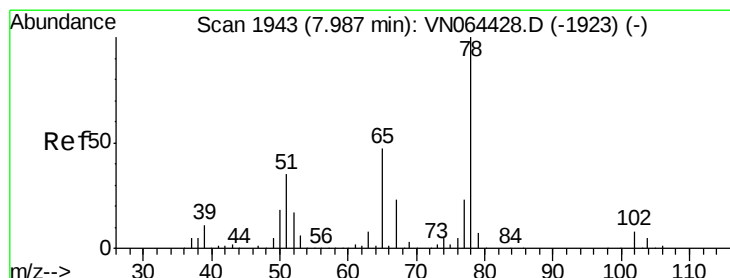
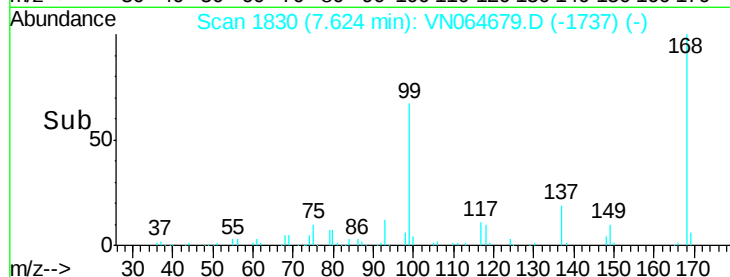
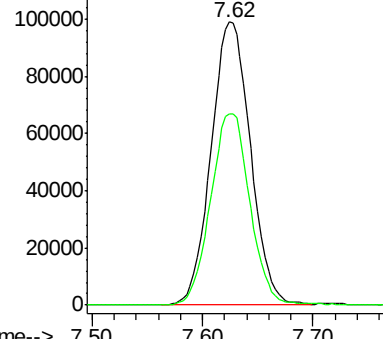
MMDadoda

11/18/2020 5:34:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 54.383 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064679.D

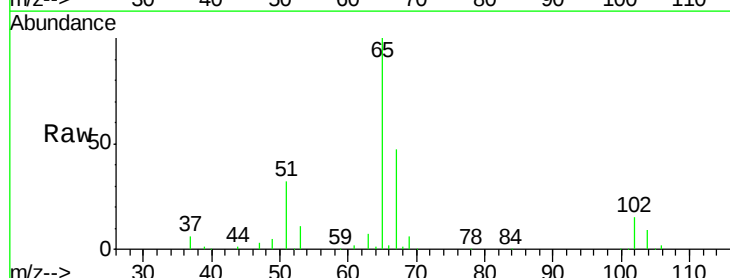
Acq: 17 Nov 2020 14:43

Tgt Ion: 65 Resp: 231663

Ion Ratio Lower Upper

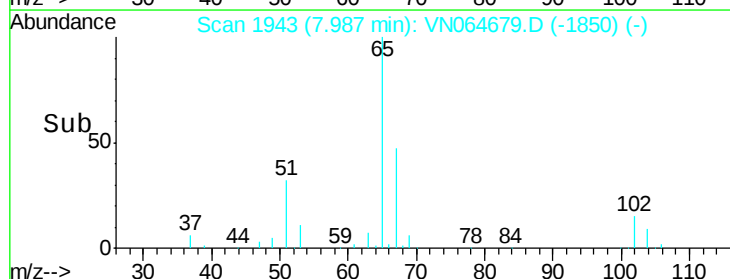
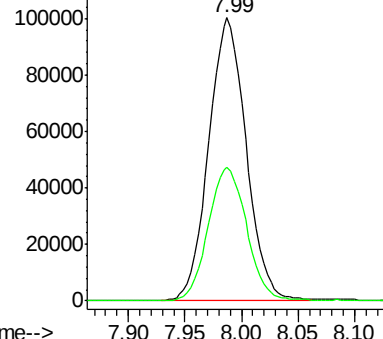
65 100

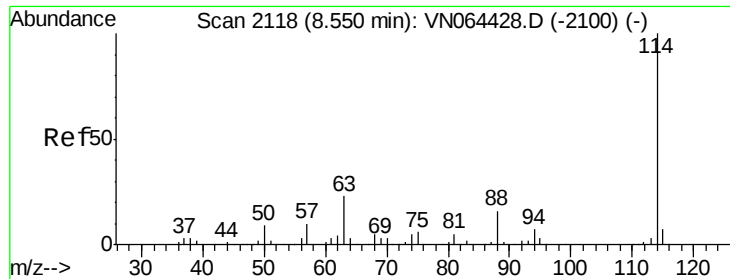
67 48.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN





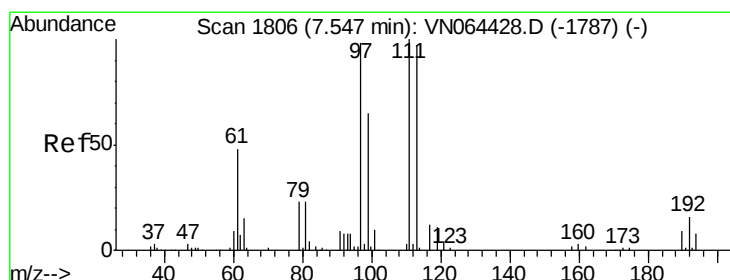
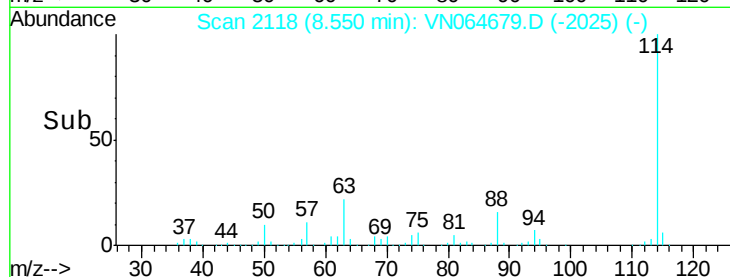
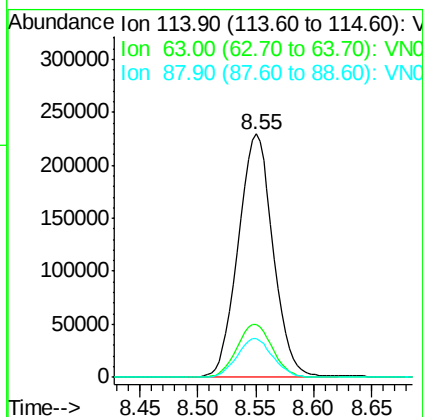
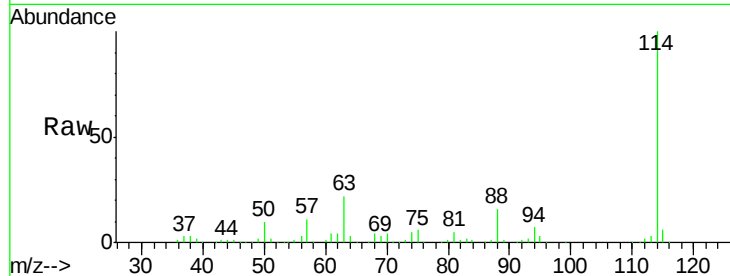
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	479827		
63	21.9	0.0	45.6	
88	15.8	0.0	32.8	

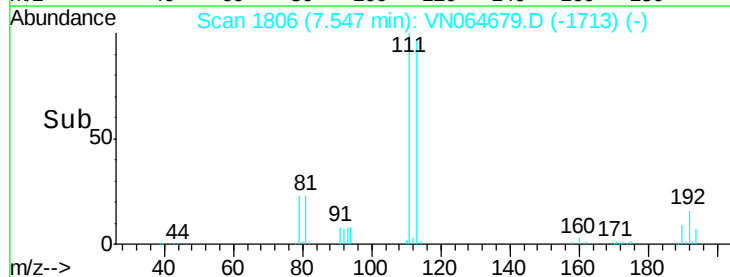
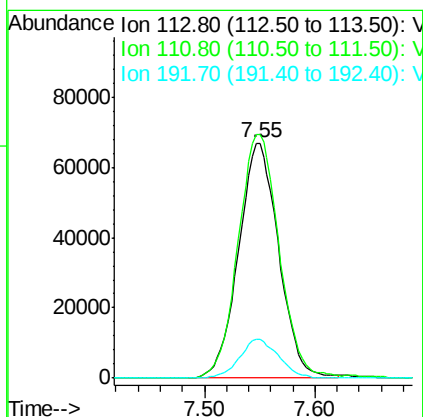
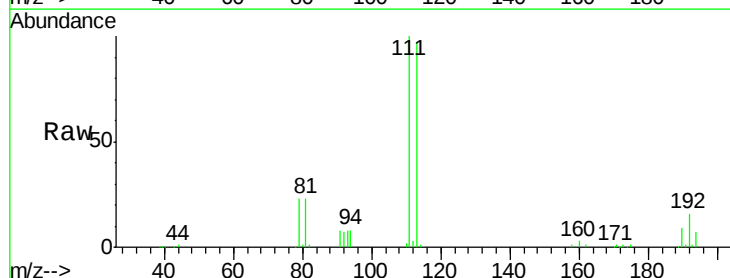
Manual Integrations
APPROVED

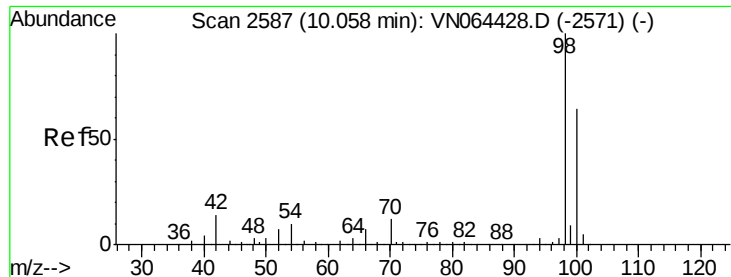
MMDadoda
11/18/2020 5:34:24 PM



#35
Dibromofluoromethane
Concen: 51.468 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	168143		
111	106.1	81.1	121.7	
192	16.1	12.8	19.2	





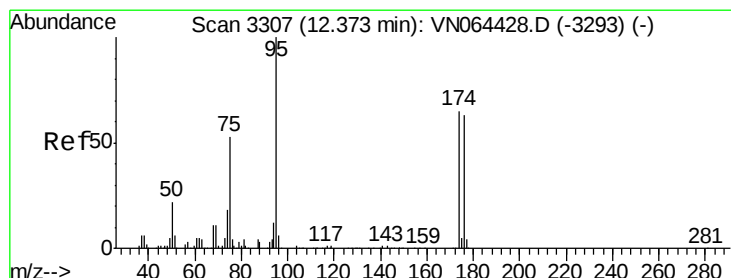
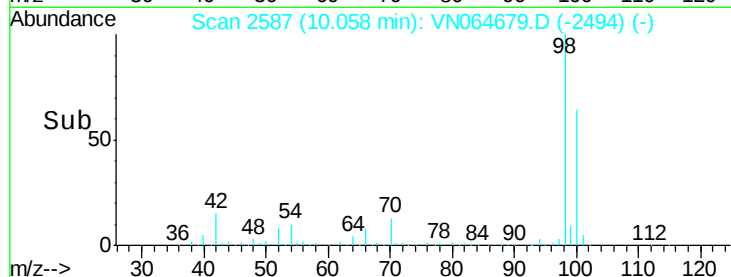
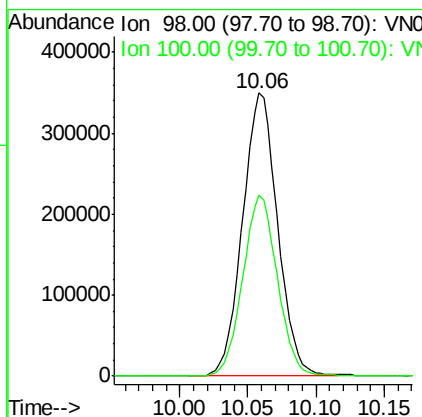
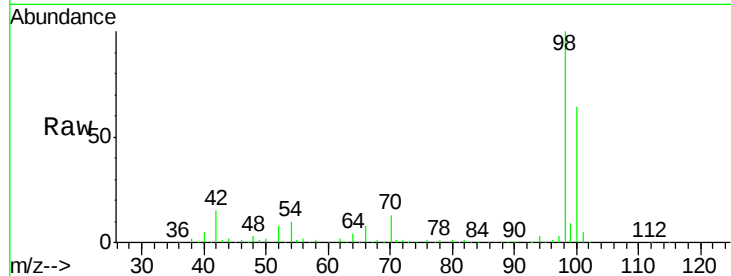
#50
Toluene-d8
Concen: 49.454 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

Tot Ion: 98 Resp: 624449
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1

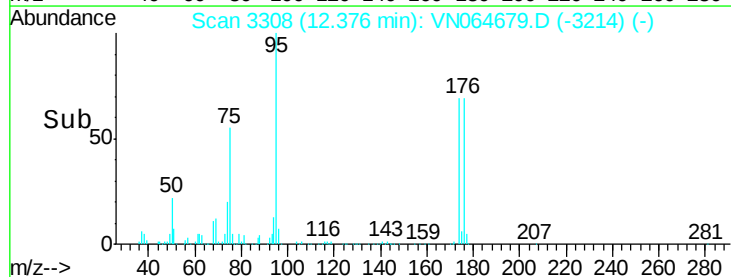
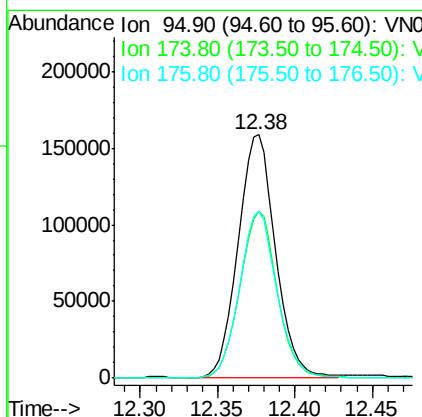
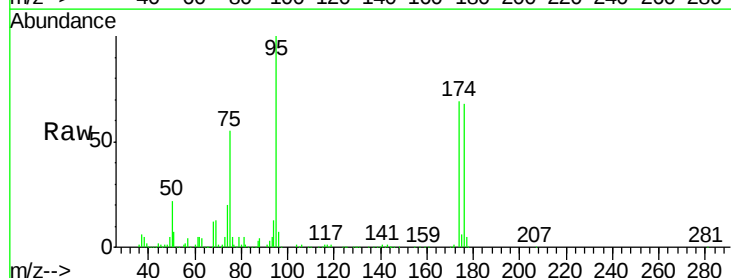
Manual Integrations
APPROVED

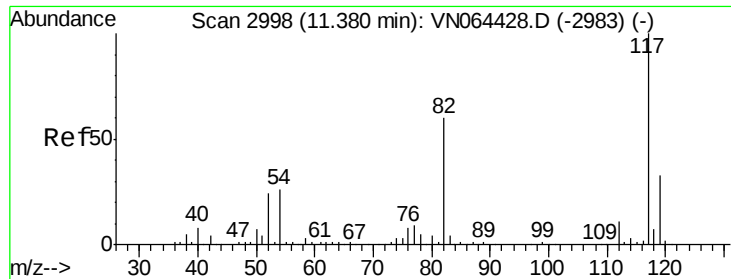
MMDadoda
11/18/2020 5:34:24 PM



#62
4-Bromofluorobenzene
Concen: 55.688 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Tgt Ion: 95 Resp: 265927
Ion Ratio Lower Upper
95 100
174 69.0 0.0 132.6
176 69.0 0.0 129.2





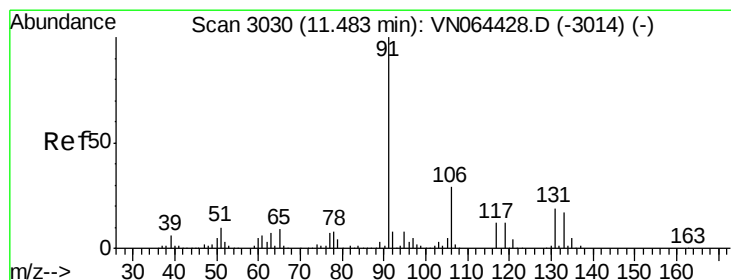
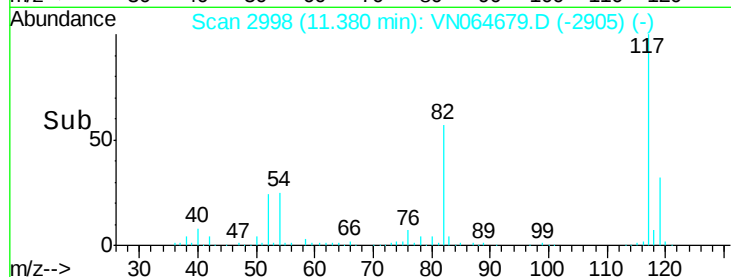
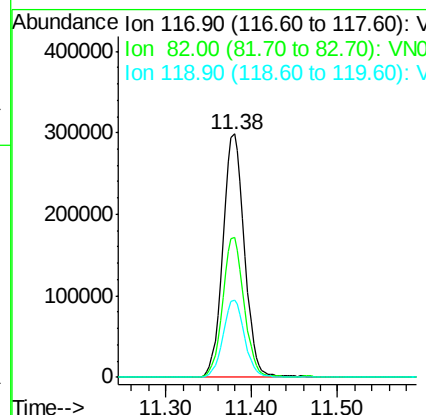
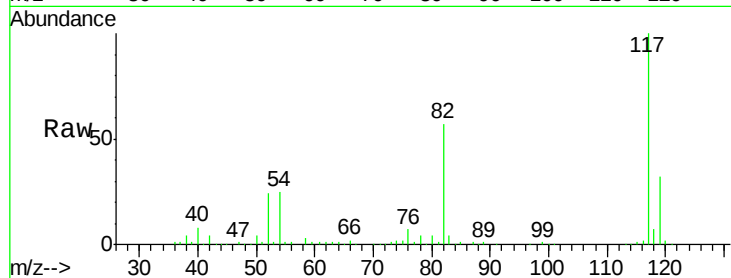
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Instrument :
MSVOA_N
ClientSampled :
MW-5DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	48.1	72.1
119	31.9	26.2	39.4

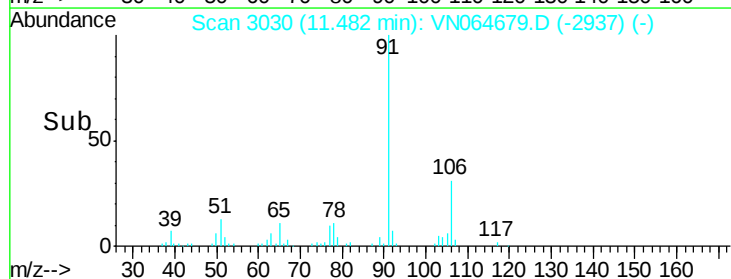
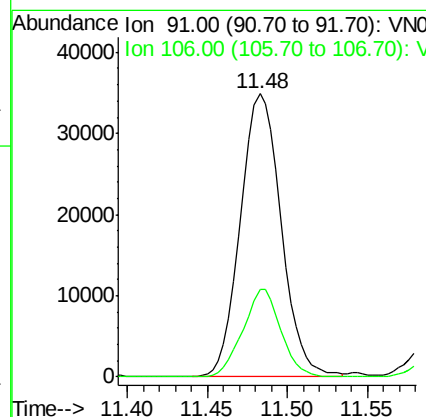
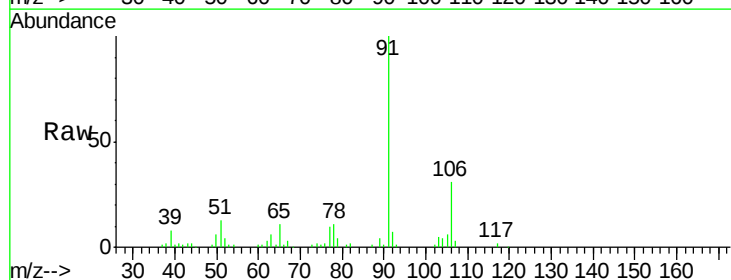
Manual Integrations
APPROVED

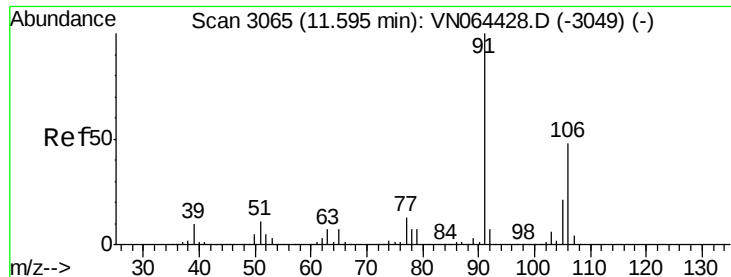
MMDadoda
11/18/2020 5:34:24 PM



#67
Ethyl Benzene
Concen: 2.988 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.6	35.4





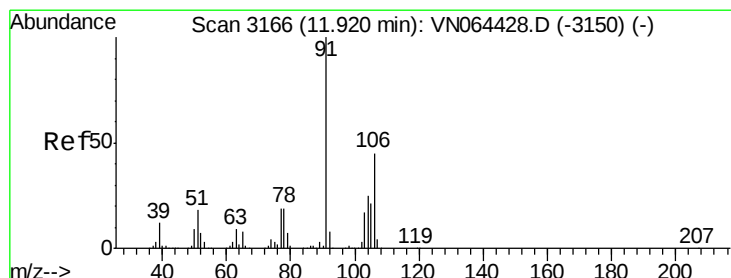
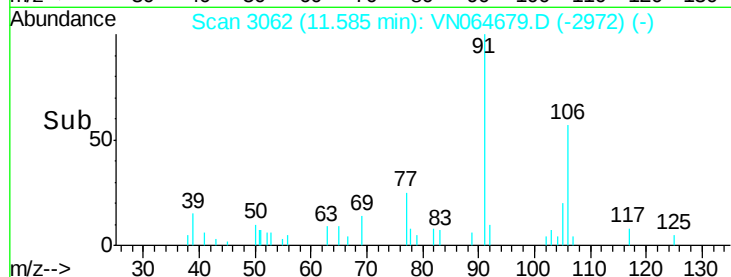
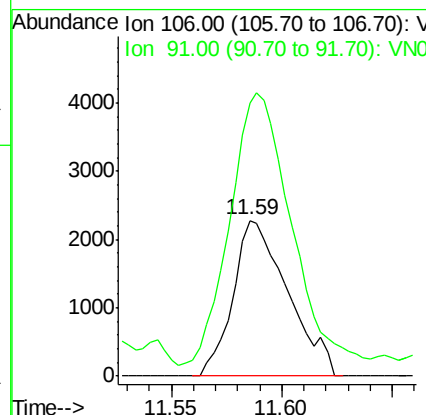
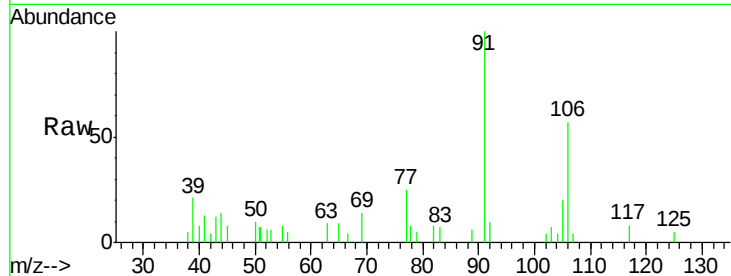
#68
m/p-Xylenes
Concen: 0.533 ug/l
RT: 11.59 min Scan# 3062
Delta R.T. -0.01 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

Tot Ion:106 Resp: 3925
Ion Ratio Lower Upper
106 100
91 193.7 169.4 254.2

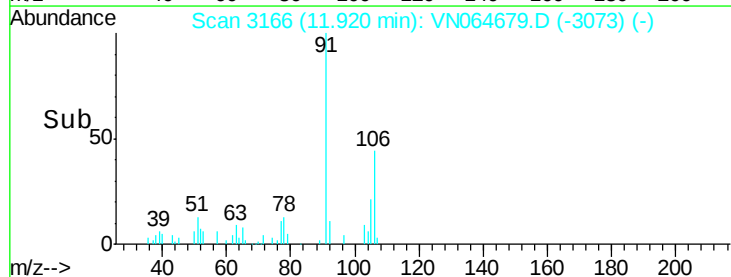
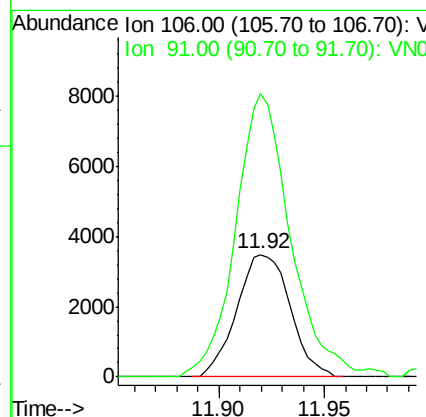
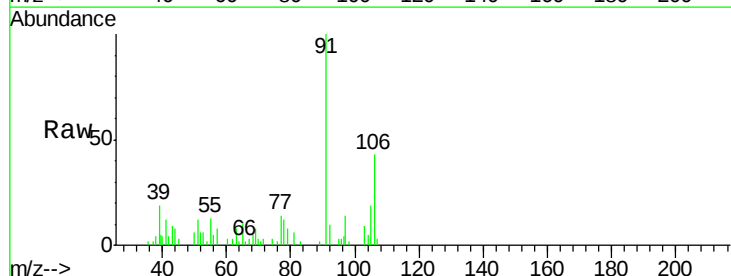
Manual Integrations
APPROVED

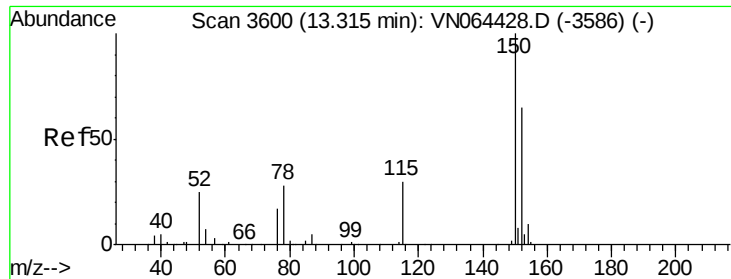
MMDadoda
11/18/2020 5:34:24 PM



#69
o-Xylene
Concen: 0.861 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Tgt Ion:106 Resp: 6123
Ion Ratio Lower Upper
106 100
91 237.9 111.7 334.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064679.D

Acq: 17 Nov 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

MW-5DL

Tot Ion:152 Resp: 224372

Ion Ratio Lower Upper

152 100

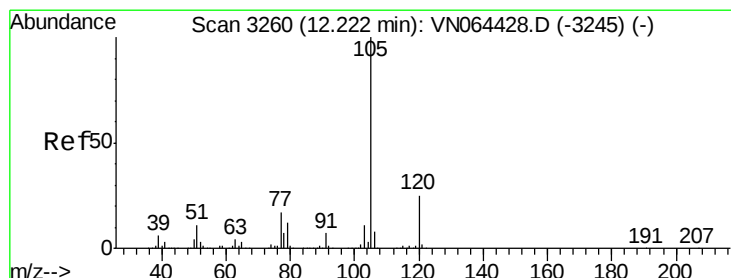
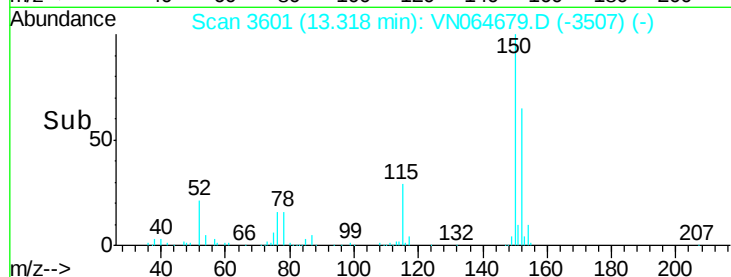
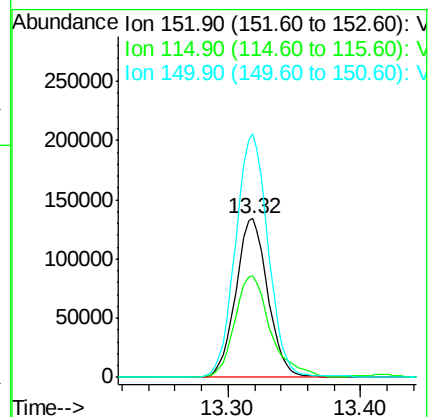
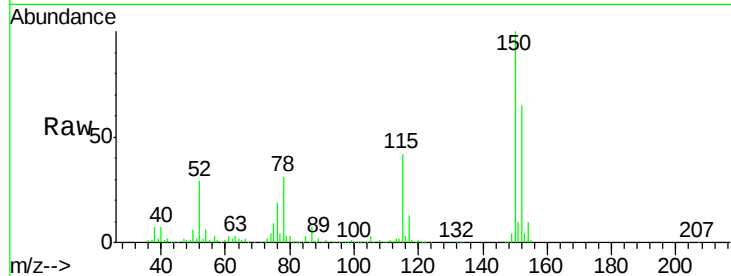
115 71.0 32.0 96.0

150 157.2 0.0 353.8

Manual Integrations
APPROVED

MMDadoda

11/18/2020 5:34:24 PM



#73

Isopropylbenzene

Concen: 10.015 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064679.D

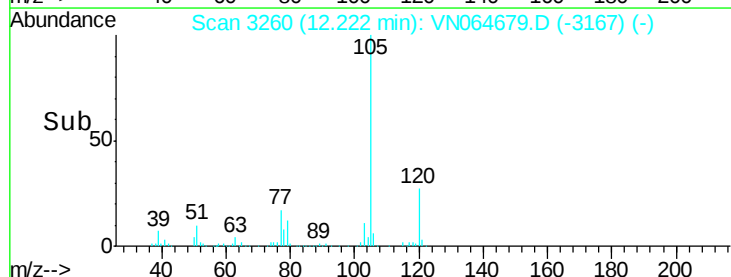
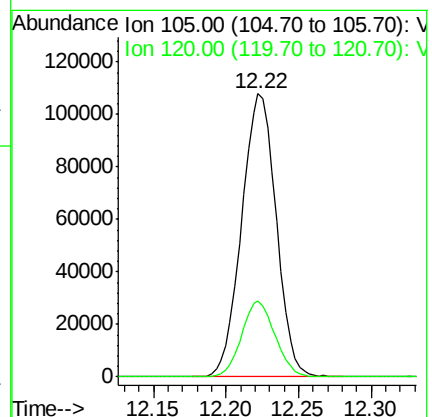
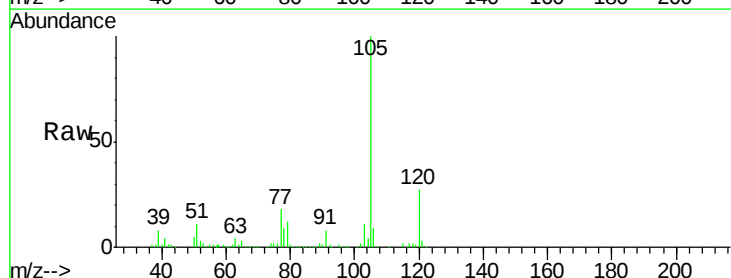
Acq: 17 Nov 2020 14:43

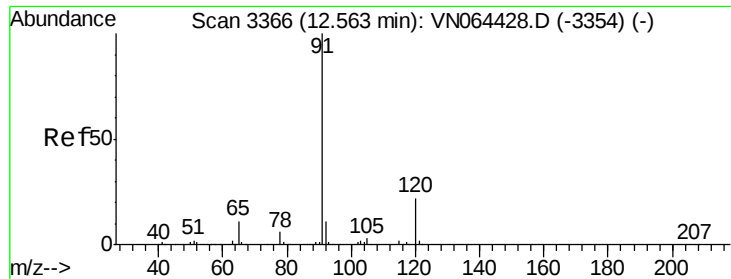
Tgt Ion:105 Resp: 178613

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3





#78

n-propylbenzene

Concen: 20.522 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064679.D

Acq: 17 Nov 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

MW-5DL

Tot Ion: 91 Resp: 417252

Ion Ratio Lower Upper

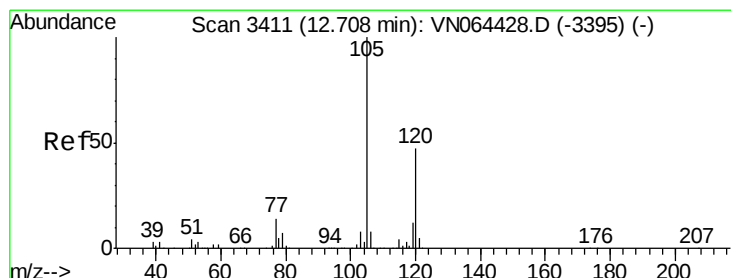
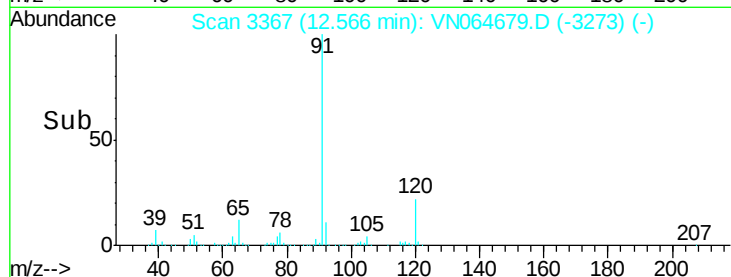
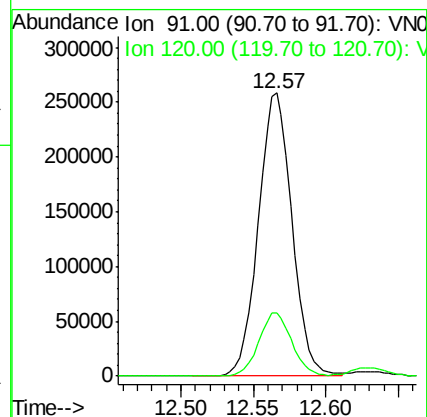
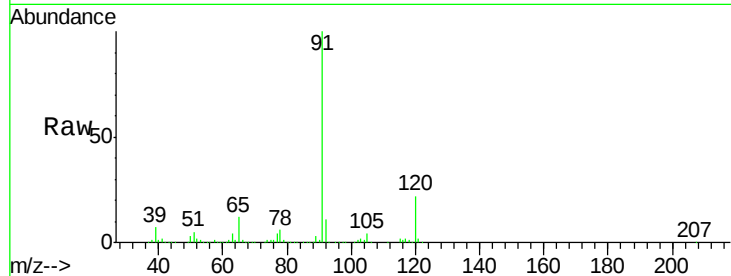
91 100

120 22.0 11.0 33.0

Manual Integrations
APPROVED

MMDadoda

11/18/2020 5:34:24 PM



#80

1,3,5-Trimethylbenzene

Concen: 1.000 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064679.D

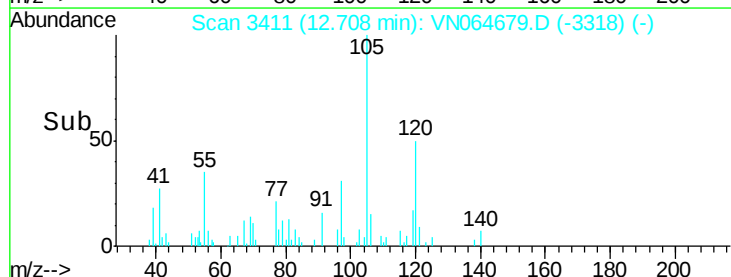
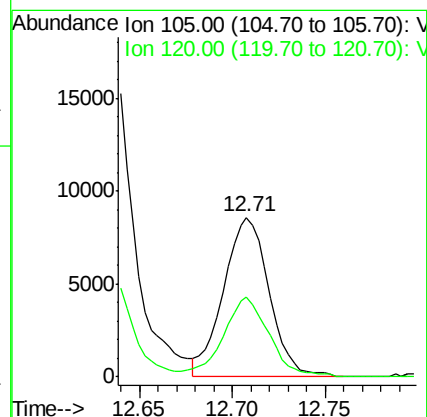
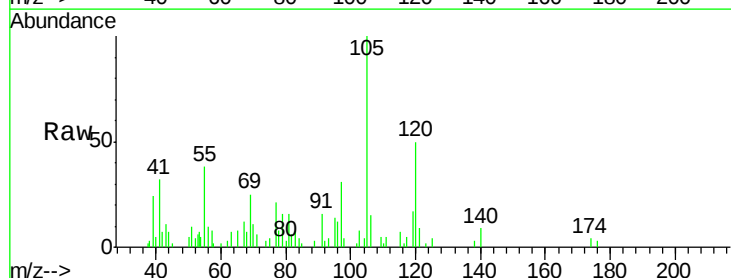
Acq: 17 Nov 2020 14:43

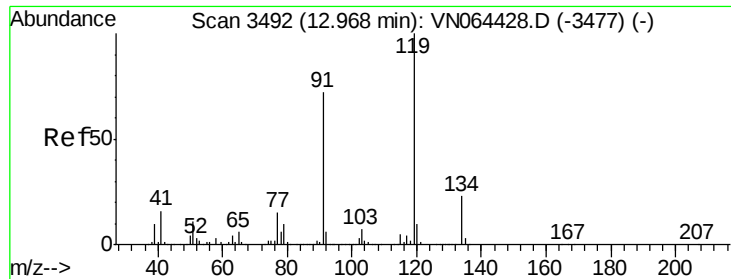
Tgt Ion: 105 Resp: 14706

Ion Ratio Lower Upper

105 100

120 50.3 23.4 70.2





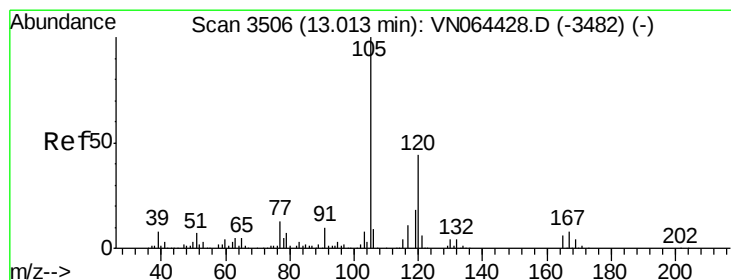
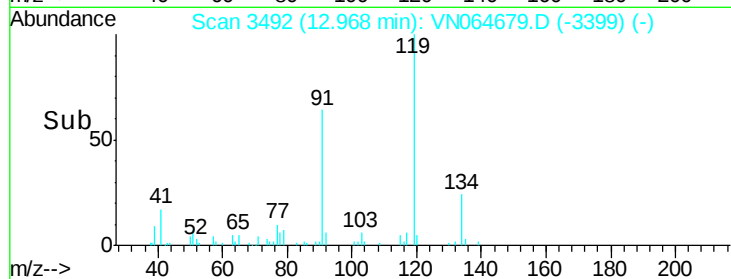
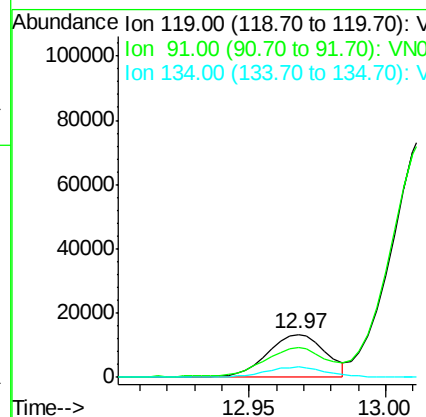
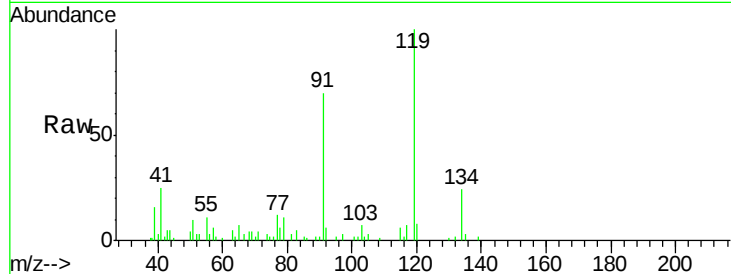
#83
tert-Butylbenzene
Concen: 1.739 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Instrument :
MSVOA_N
ClientSampled :
MW-5DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.2	36.1	108.3
134	24.8	11.7	35.1

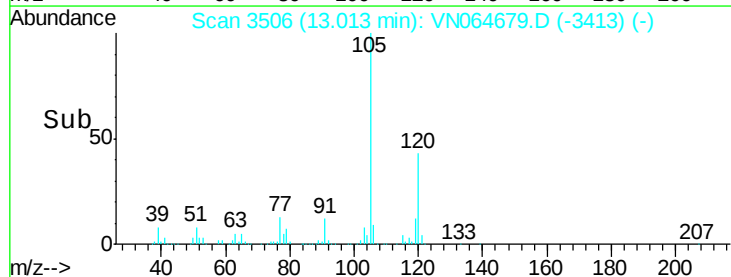
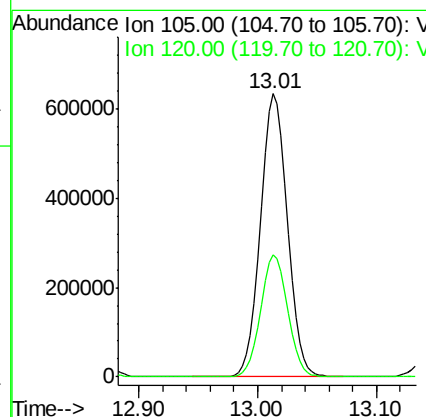
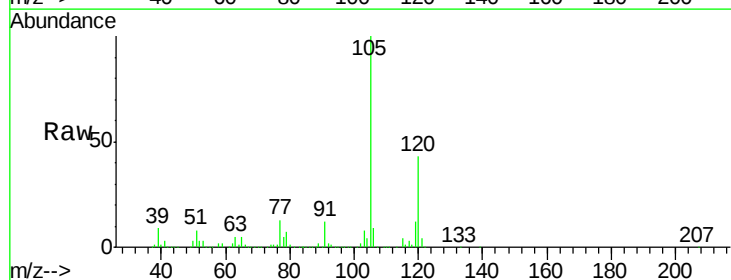
Manual Integrations
APPROVED

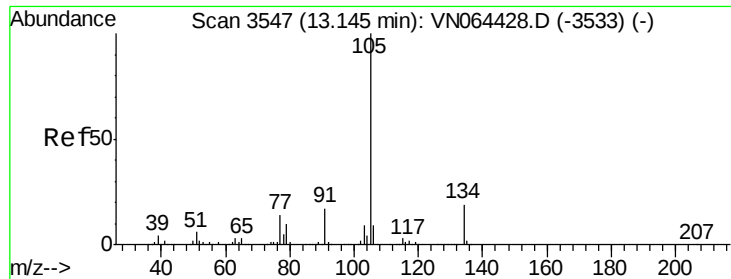
MMDadoda
11/18/2020 5:34:24 PM



#84
1,2,4-Trimethylbenzene
Concen: 67.097 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7





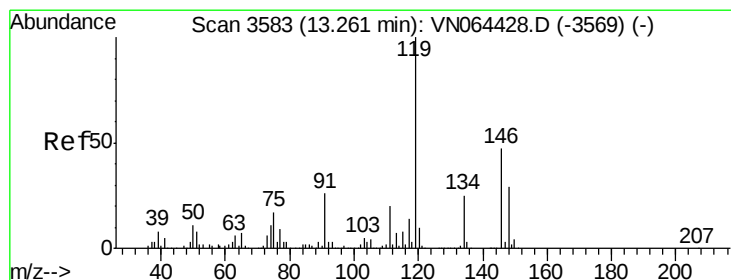
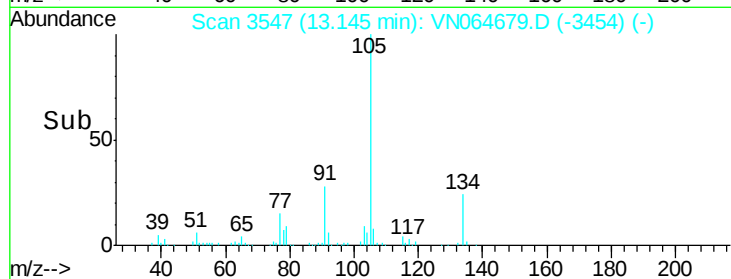
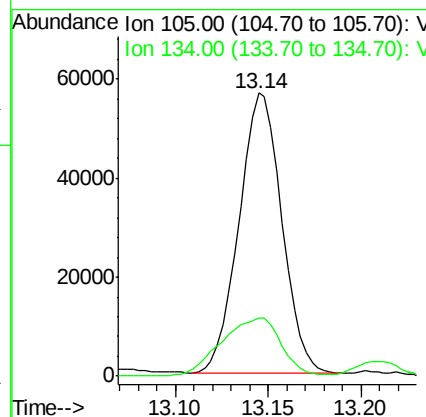
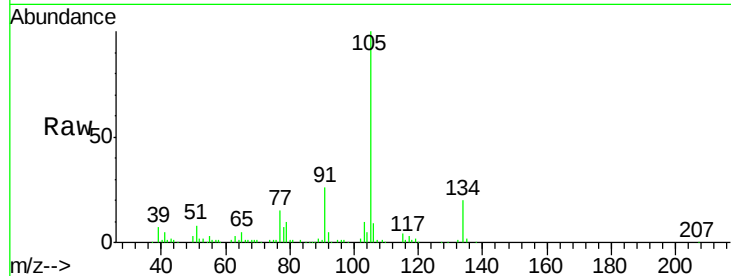
#85
 sec-Butylbenzene
 Concen: 6.236 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064679.D
 Acq: 17 Nov 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5DL

Tot Ion	Ratio	Lower	Upper
105	100		
134	29.1	9.4	28.2#

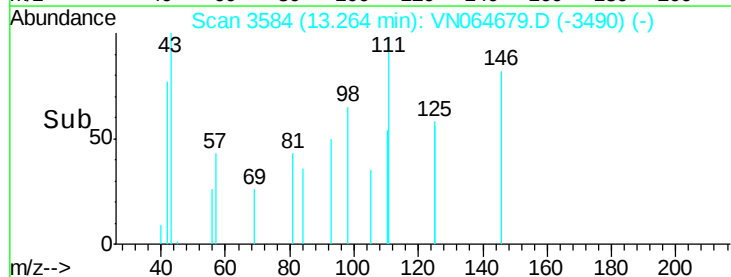
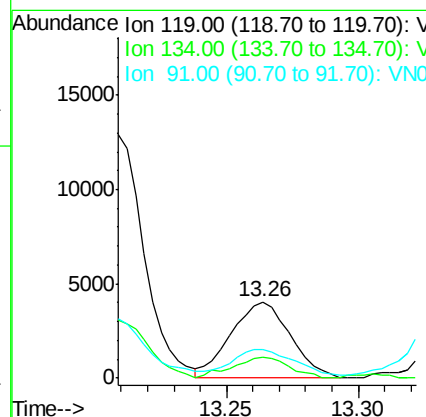
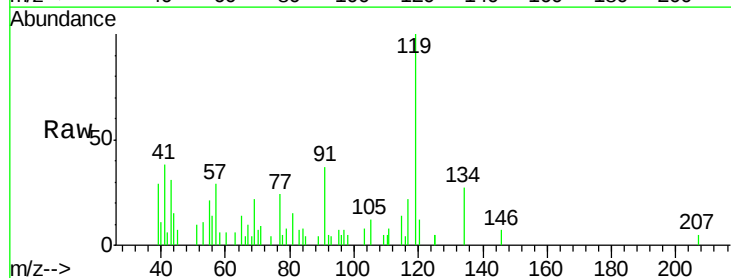
Manual Integrations
 APPROVED

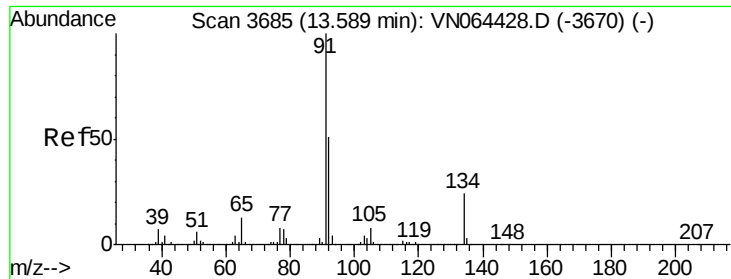
MMDadoda
 11/18/2020 5:34:24 PM



#86
 p-Isopropyltoluene
 Concen: 0.487 ug/l m
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064679.D
 Acq: 17 Nov 2020 14:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	77.0	12.6	37.6#
91	68.7	12.8	38.3#





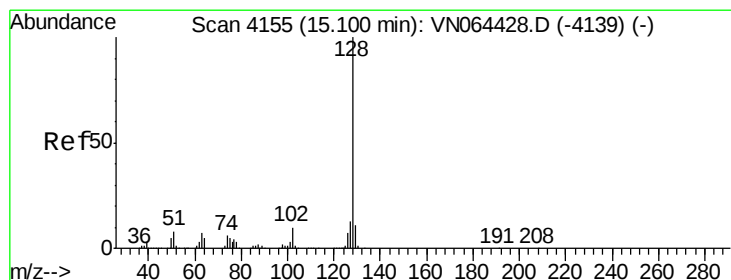
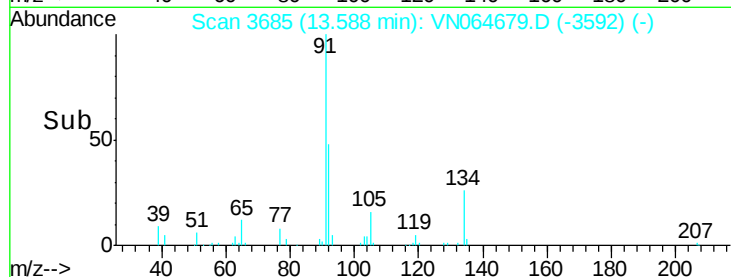
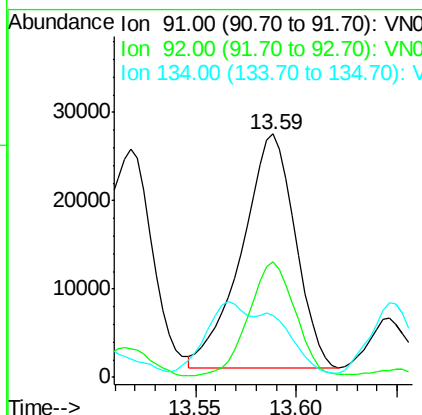
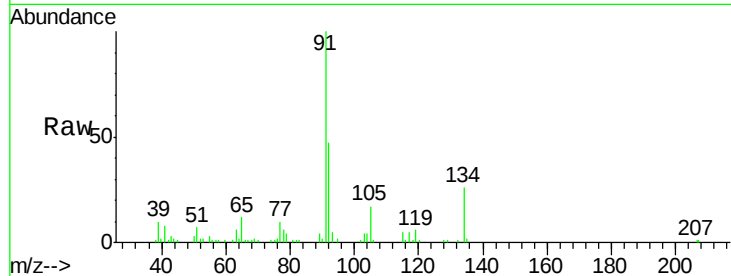
#89
n-Butylbenzene
Concen: 4.365 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
MW-5DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	41.8	25.3	75.9
134	0.0	11.8	35.4#

Manual Integrations
APPROVED

MMDadoda
11/18/2020 5:34:24 PM



#95
Naphthalene
Concen: 4.327 ug/l m
RT: 15.11 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN064679.D
Acq: 17 Nov 2020 14:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#

