

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064927.D
 Acq On : 4 Dec 2020 18:30
 Operator : JC/MD
 Sample : L4954-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6714-120120

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:45:49 AM

Quant Time: Dec 07 10:16:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	170348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	309154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146606	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104136	52.58	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	105.16%		
35) Dibromofluoromethane	7.55	113	97683	52.81	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.62%		
50) Toluene-d8	10.06	98	385978	51.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.14%		
62) 4-Bromofluorobenzene	12.38	95	154013	56.94	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.88%		

Target Compounds

					Qvalue
16) Acetone	3.78	43	5459m	8.385	ug/l
39) Methylcyclohexane	9.04	83	9379	3.040	ug/l
40) Benzene	8.00	78	45934	5.231	ug/l
67) Ethyl Benzene	11.48	91	2393	0.210	ug/l
73) Isopropylbenzene	12.22	105	30145	2.956	ug/l
78) n-propylbenzene	12.56	91	13189	1.135	ug/l
83) tert-Butylbenzene	12.96	119	3923	0.552	ug/l
84) 1,2,4-Trimethylbenzene	13.01	105	2658	0.310	ug/l
85) sec-Butylbenzene	13.14	105	22486	2.384	ug/l

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

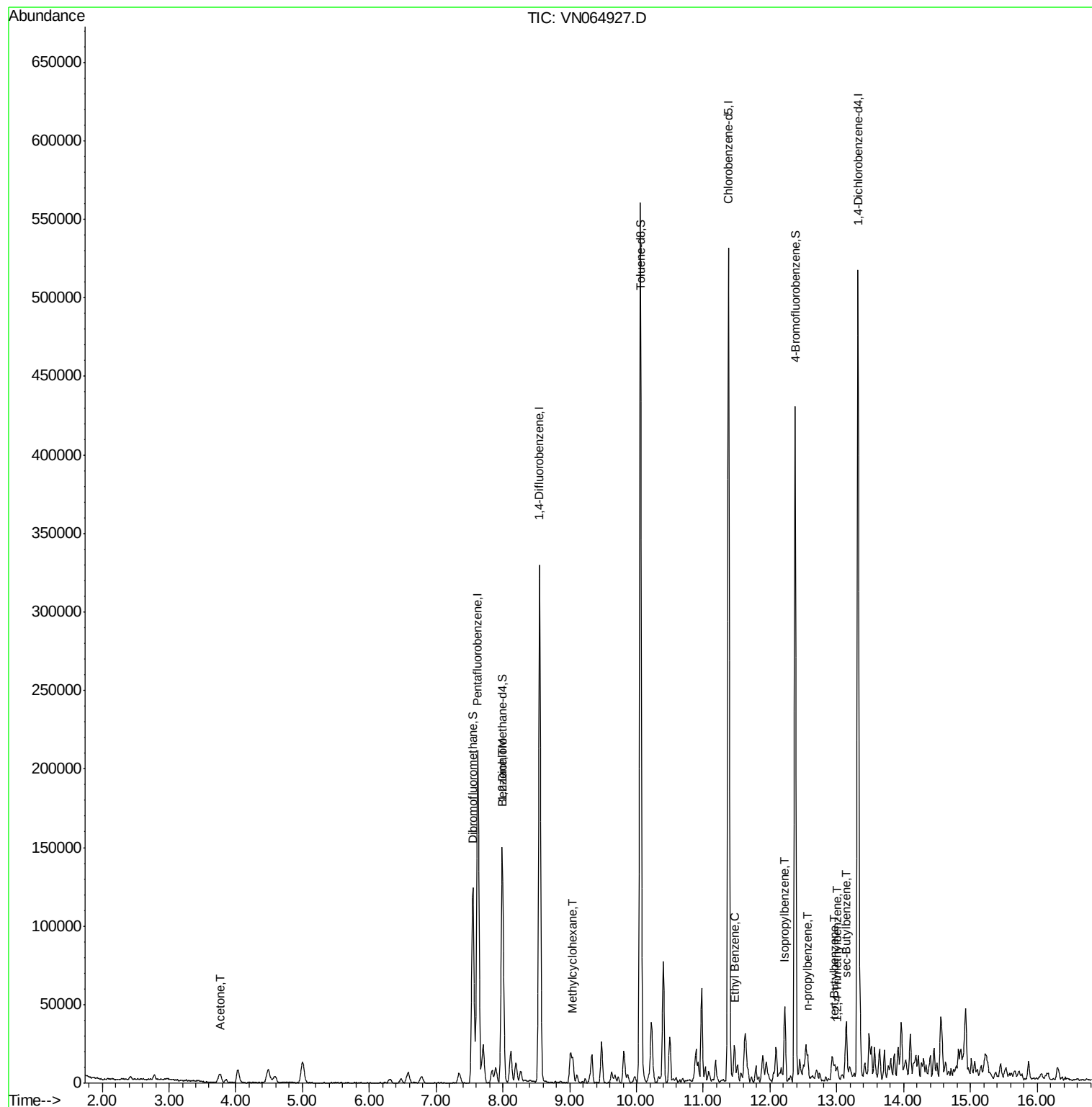
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120420\
Data File : VN064927.D
Acq On : 4 Dec 2020 18:30
Operator : JC/MD
Sample : L4954-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

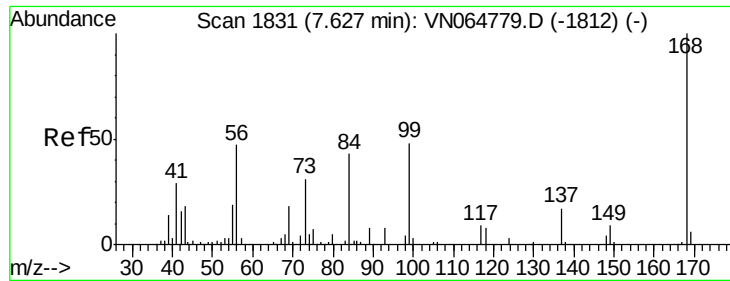
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6714-120120

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:45:49 AM

Quant Time: Dec 07 10:16:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





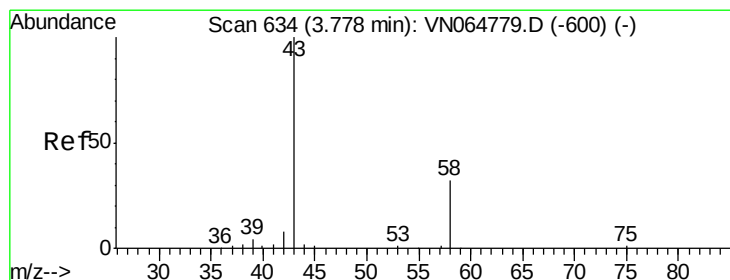
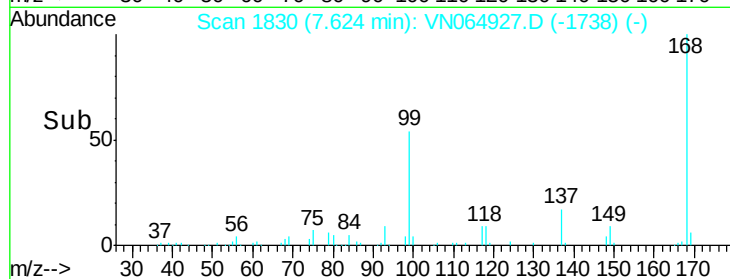
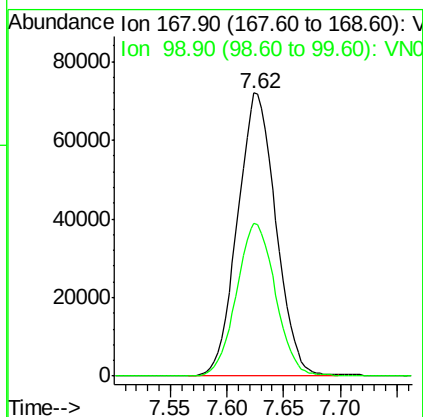
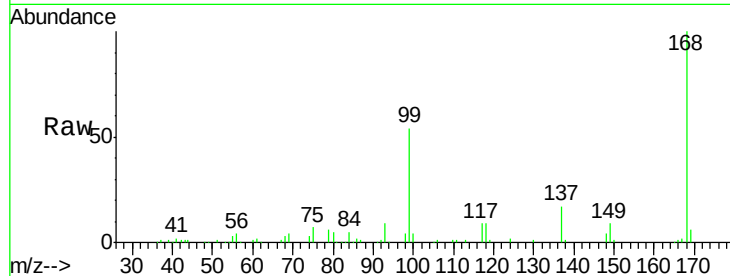
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6714-120120

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.9	43.0	64.4

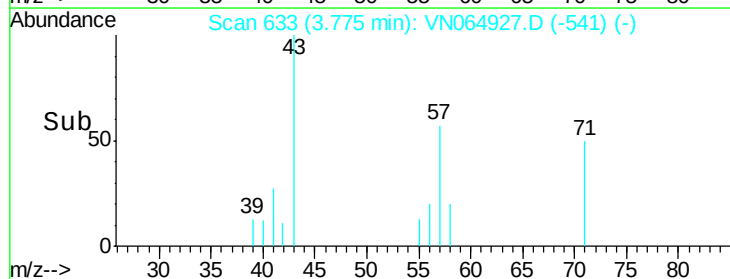
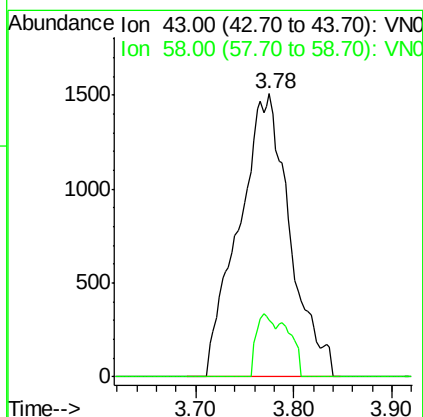
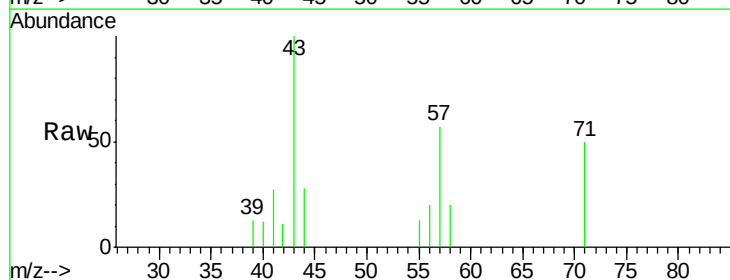
Manual Integrations
APPROVED

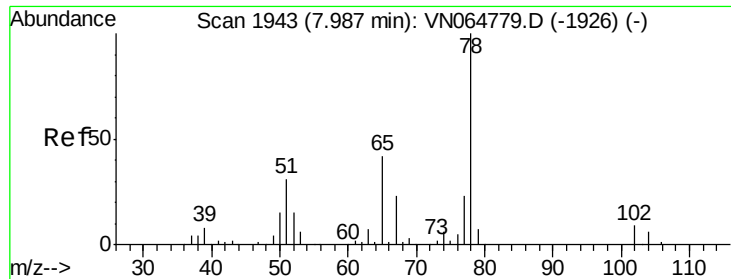
MMDadoda
12/7/2020 10:45:49 AM



#16
Acetone
Concen: 8.385 ug/l m
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.0	25.7	38.5#





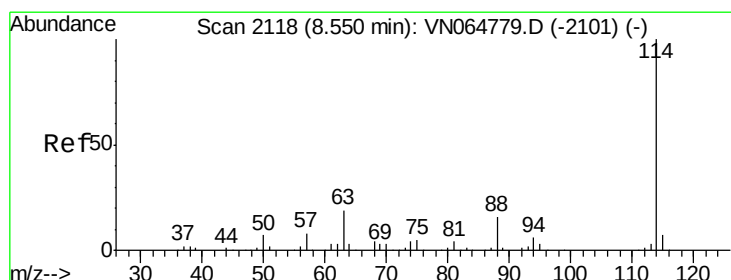
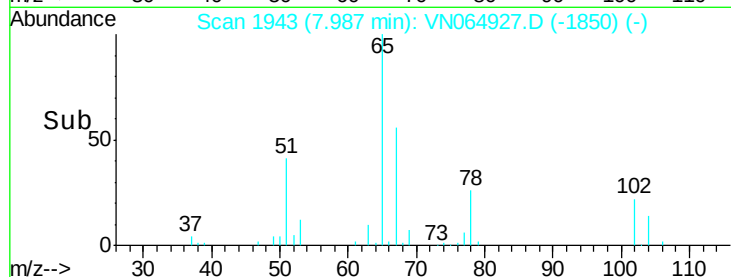
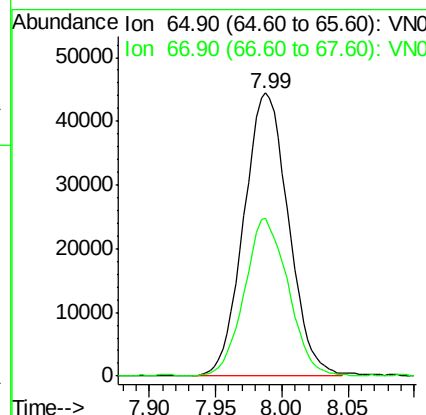
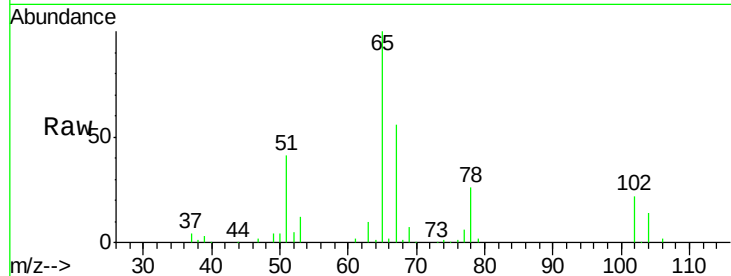
#33
 1,2-Dichloroethane-d4
 Concen: 52.583 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6714-120120

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	104136	108.2

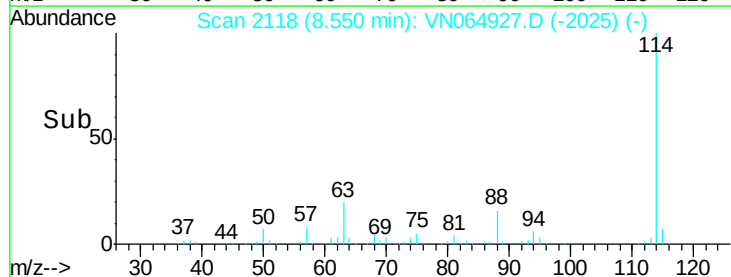
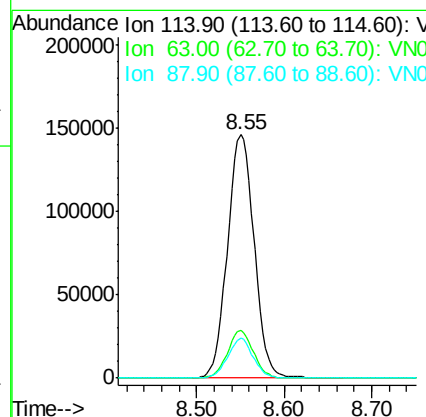
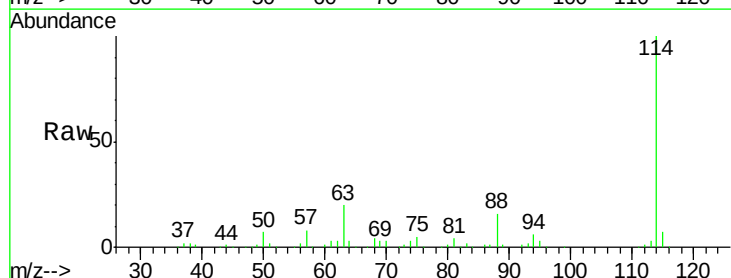
Manual Integrations
 APPROVED

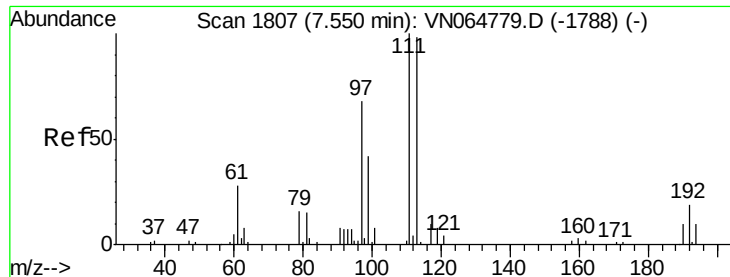
MMDadoda
 12/7/2020 10:45:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	309154	38.6
88	16.2	0.0	32.6	





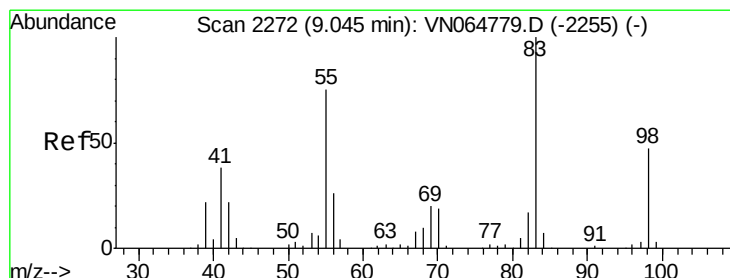
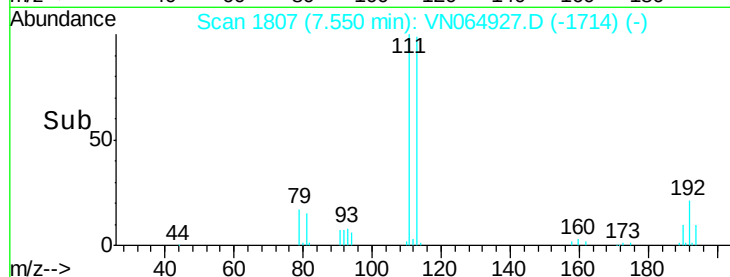
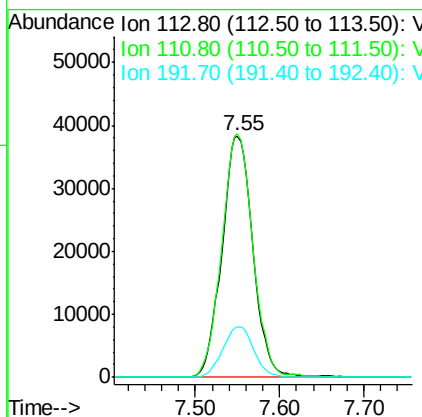
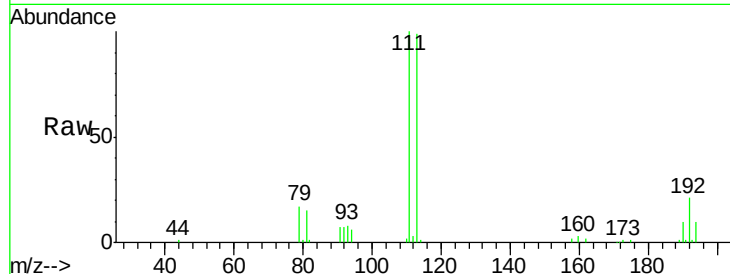
#35
 Dibromofluoromethane
 Concen: 52.805 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6714-120120

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.6	122.4
192	20.9	16.2	24.2

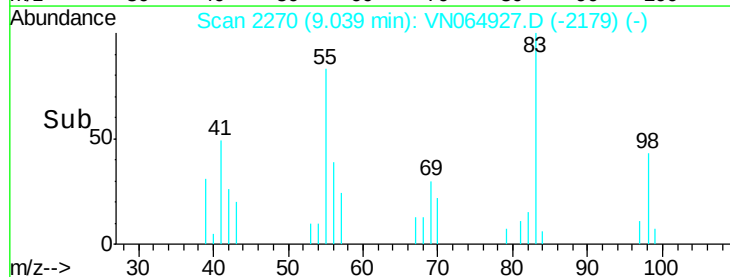
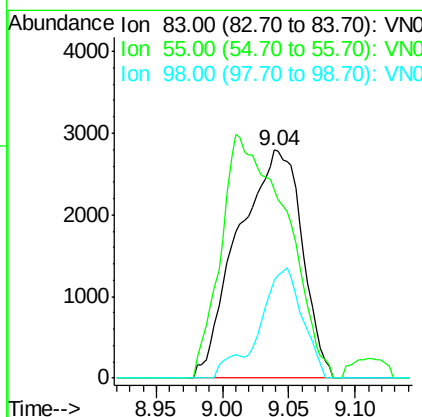
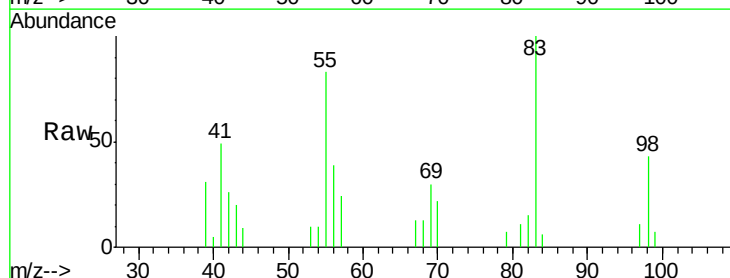
Manual Integrations
 APPROVED

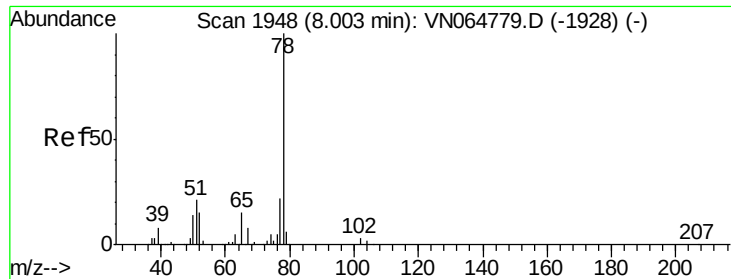
MMDadoda
 12/7/2020 10:45:49 AM



#39
 Methylcyclohexane
 Concen: 3.040 ug/l
 RT: 9.04 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.8	60.2	90.2
98	42.7	37.4	56.2





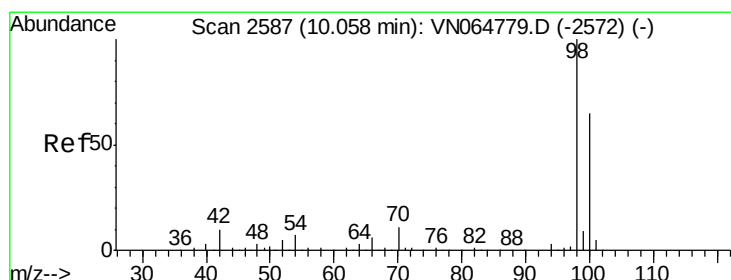
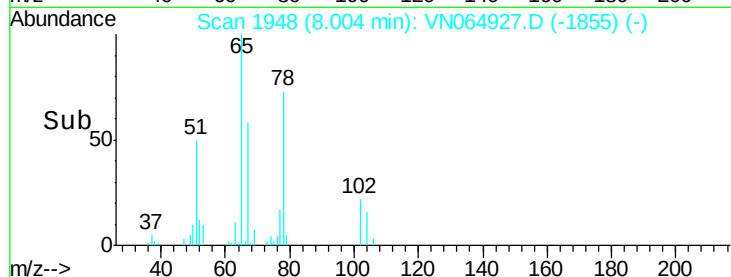
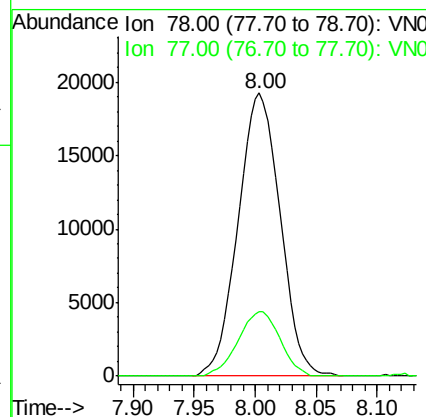
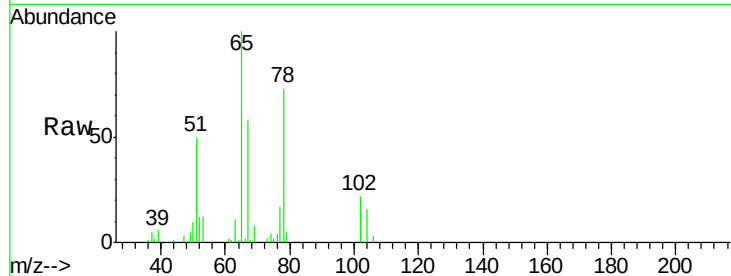
#40
Benzene
Concen: 5.231 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6714-120120

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.9	17.9	26.9

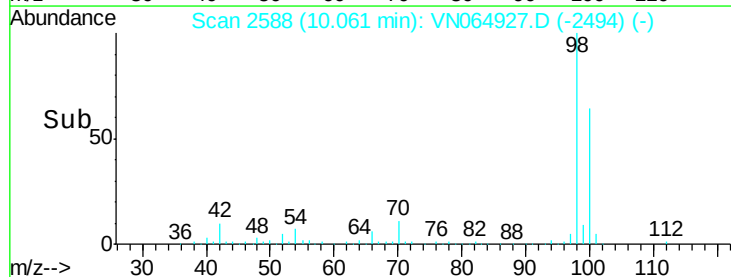
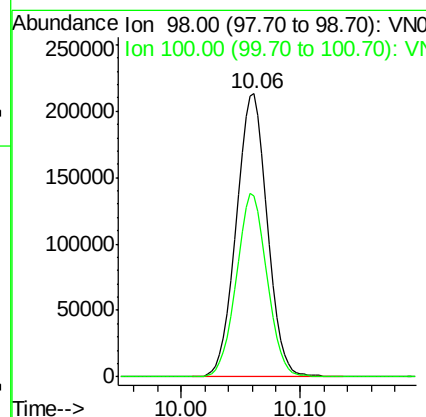
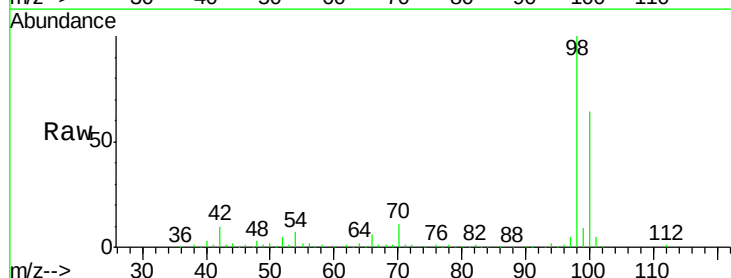
Manual Integrations
APPROVED

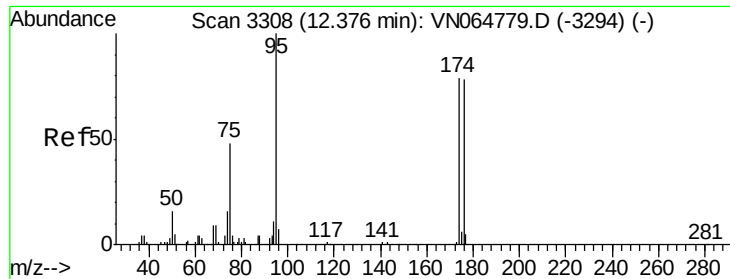
MMDadoda
12/7/2020 10:45:49 AM



#50
Toluene-d8
Concen: 51.066 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





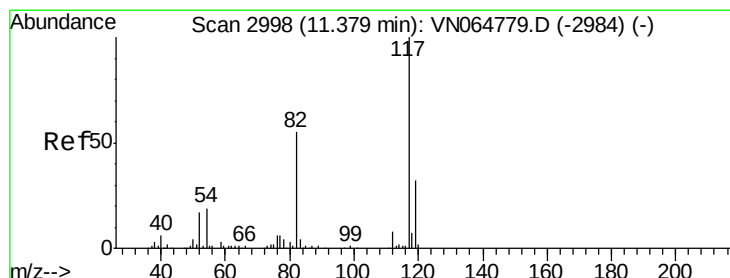
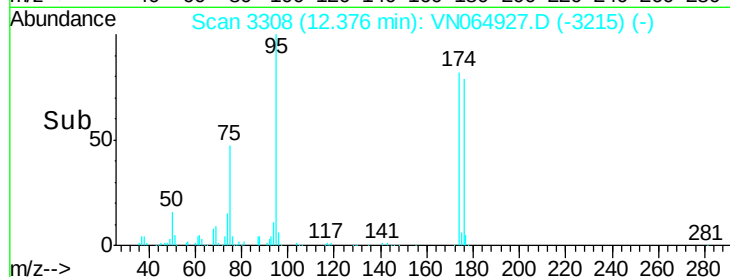
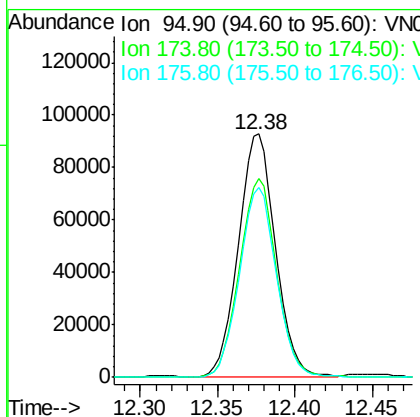
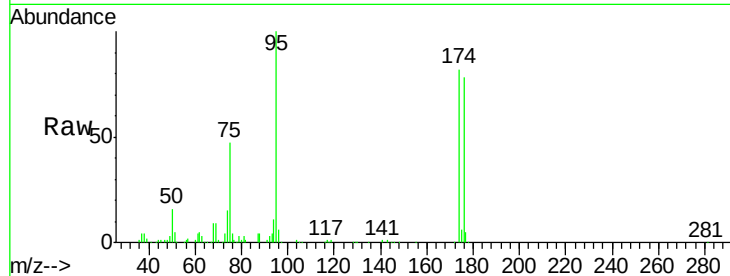
#62
4-Bromofluorobenzene
Concen: 56.936 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6714-120120

Tot Ion	Ratio	Resp	Lower	Upper
95	100	154013		
174	82.2	0.0	160.4	
176	78.4	0.0	158.4	

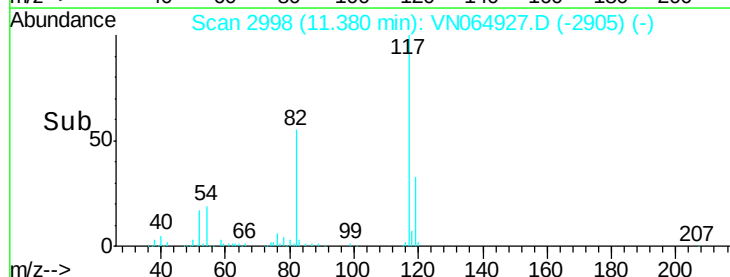
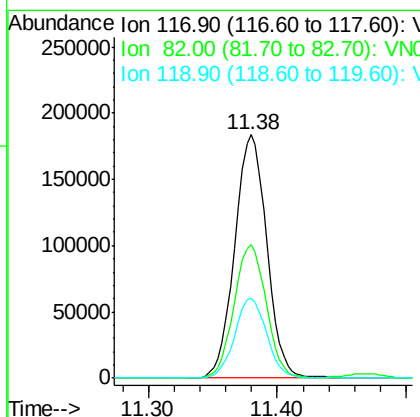
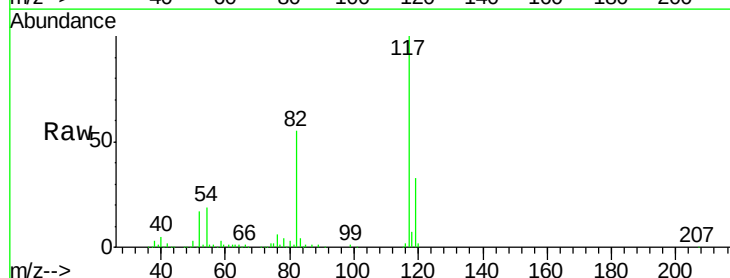
Manual Integrations
APPROVED

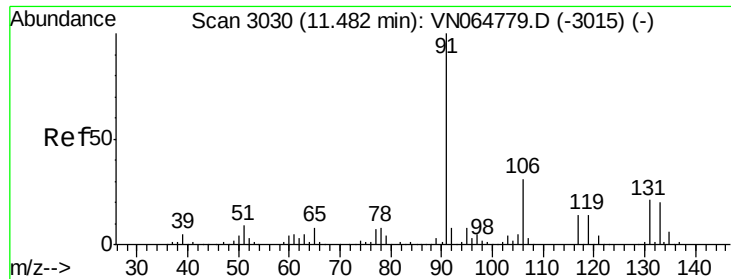
MMDadoda
12/7/2020 10:45:49 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	317491		
82	54.5	44.2	66.2	
119	32.9	25.8	38.6	





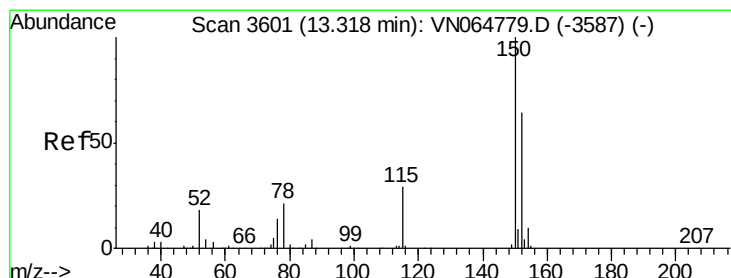
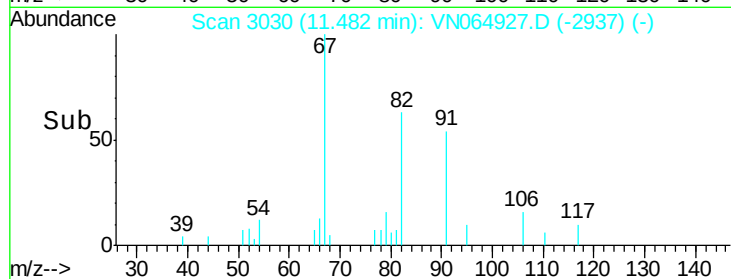
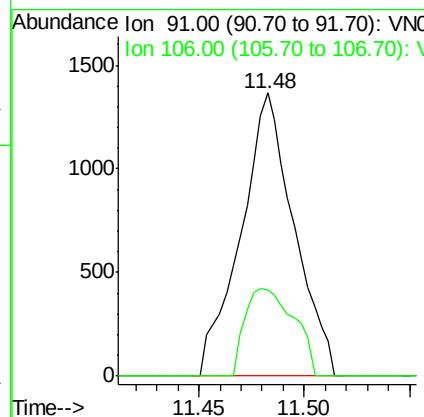
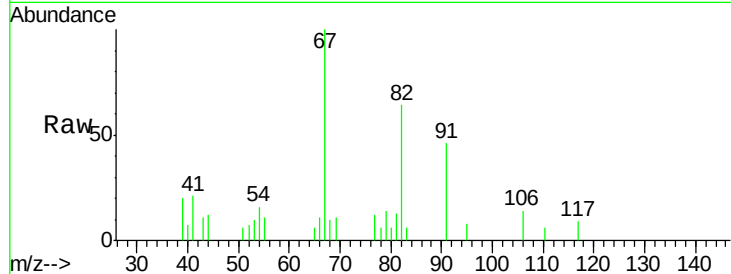
#67
Ethyl Benzene
Concen: 0.210 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6714-120120

Tot Ion: 91 Resp: 2393
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8

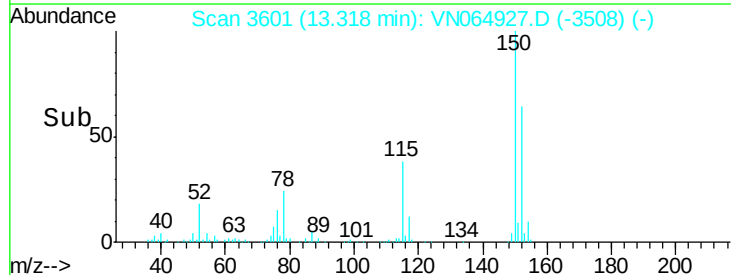
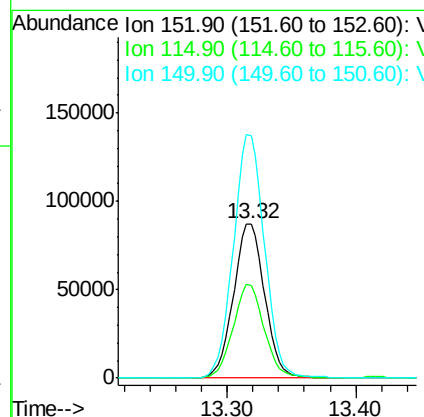
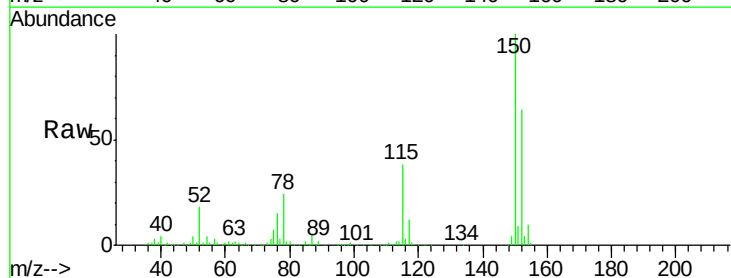
Manual Integrations
APPROVED

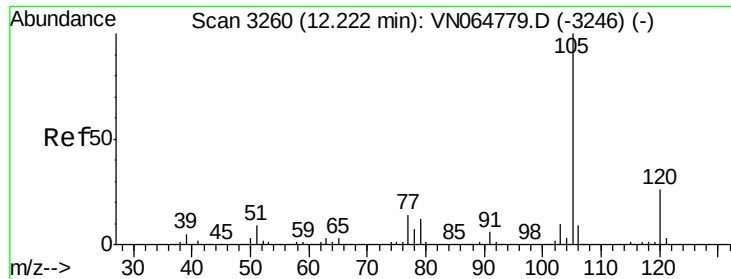
MMDadoda
12/7/2020 10:45:49 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064927.D
Acq: 4 Dec 2020 18:30

Tgt Ion: 152 Resp: 146606
Ion Ratio Lower Upper
152 100
115 59.7 29.7 89.1
150 157.7 0.0 350.6





#73

Isopropylbenzene

Concen: 2.956 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064927.D

Acq: 4 Dec 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6714-120120

Tot Ion: 105 Resp: 30145

Ion Ratio Lower Upper

105 100

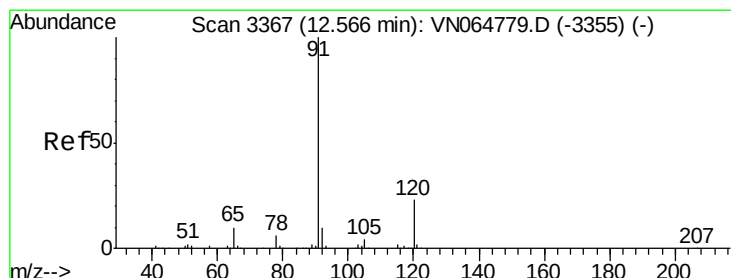
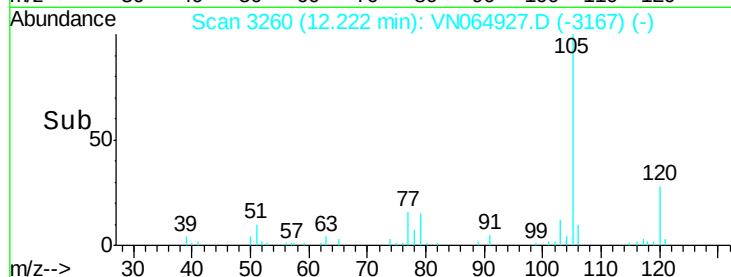
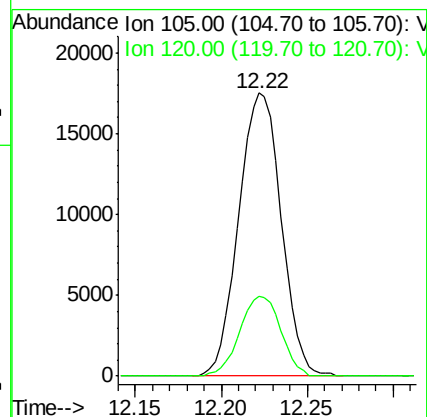
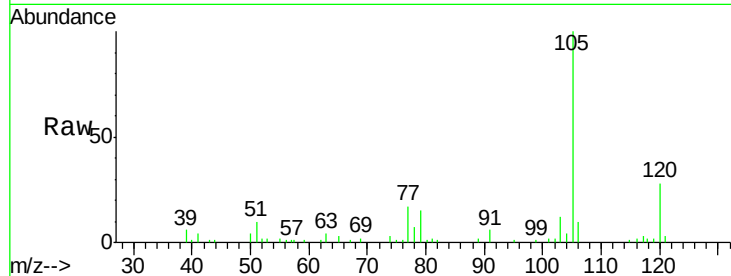
120 27.3 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

12/7/2020 10:45:49 AM



#78

n-propylbenzene

Concen: 1.135 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064927.D

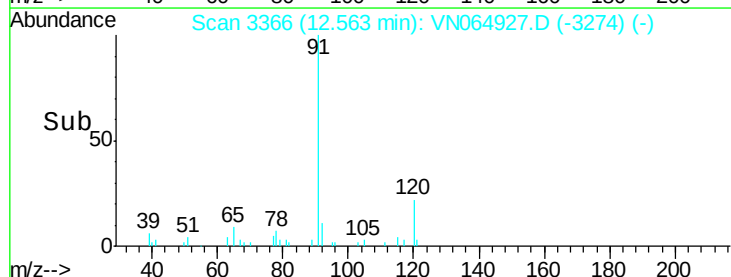
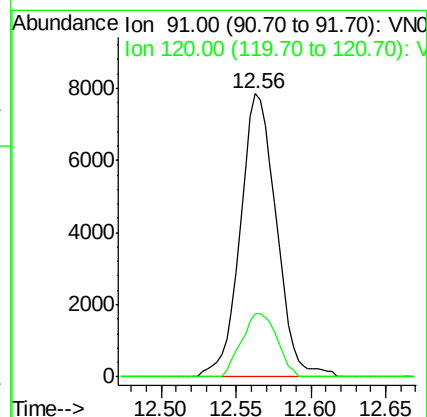
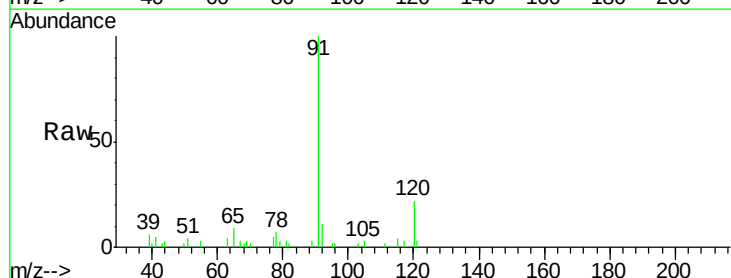
Acq: 4 Dec 2020 18:30

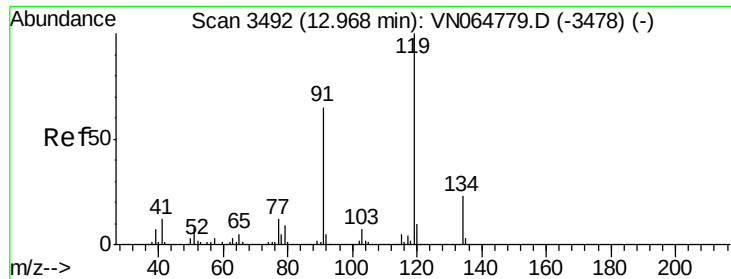
Tgt Ion: 91 Resp: 13189

Ion Ratio Lower Upper

91 100

120 21.8 11.6 34.7





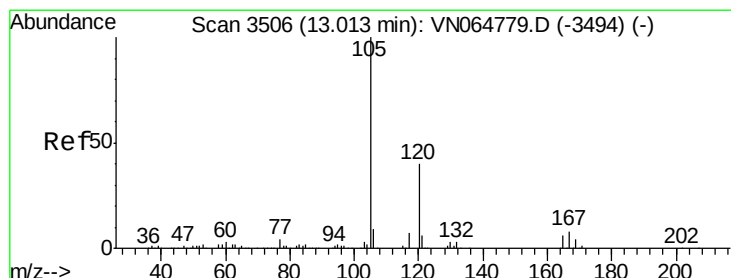
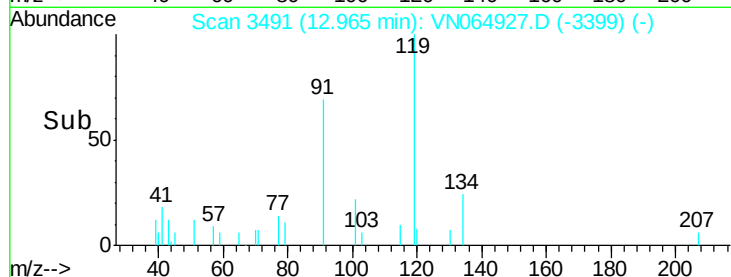
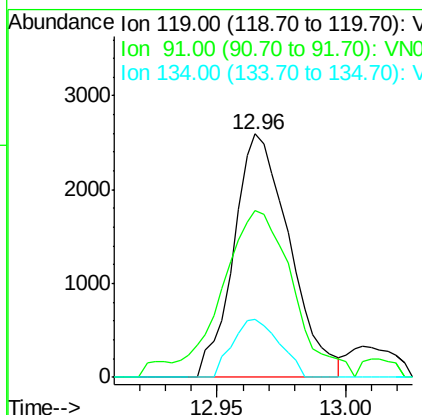
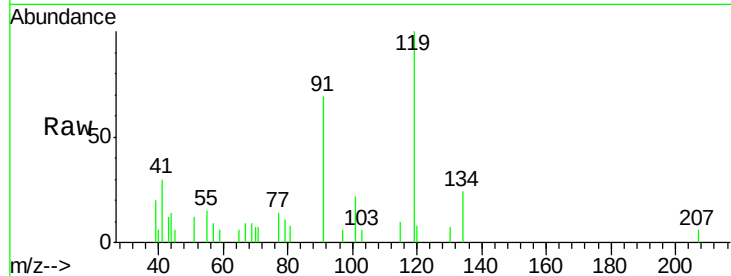
#83
 tert-Butylbenzene
 Concen: 0.552 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6714-120120

Tot Ion	Ratio	Lower	Upper
119	100		
91	88.7	32.3	96.8
134	19.9	12.6	37.6

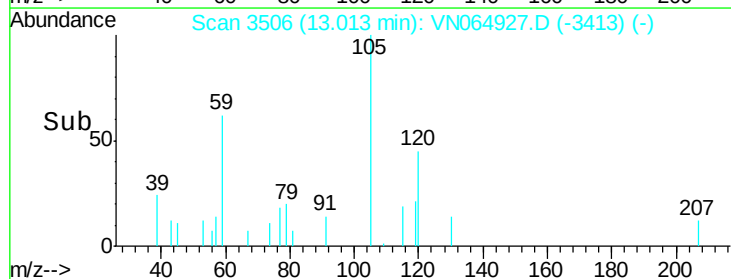
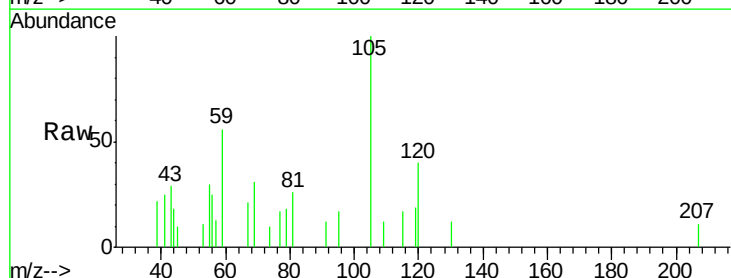
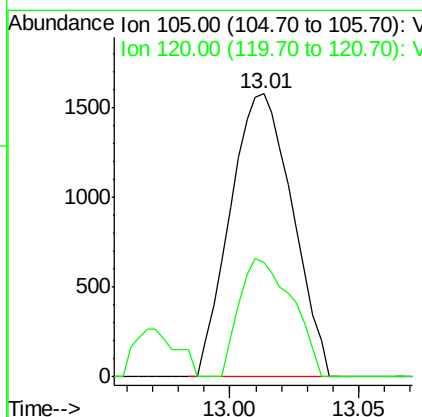
Manual Integrations
 APPROVED

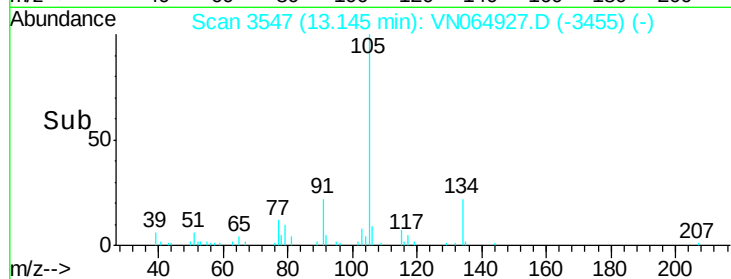
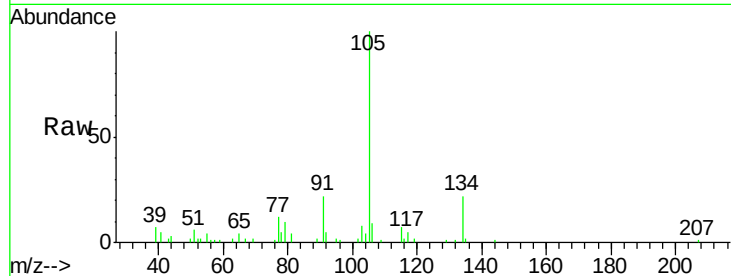
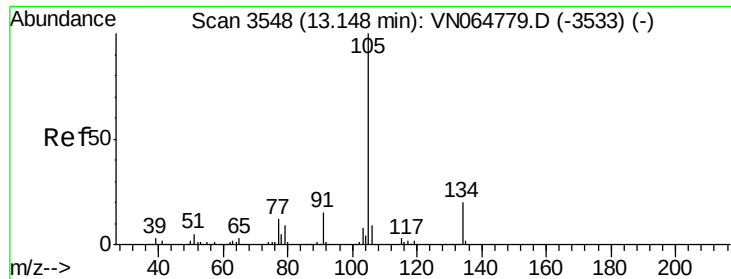
MMDadoda
 12/7/2020 10:45:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.310 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	35.8	23.1	69.2





#85
 sec-Butylbenzene
 Concen: 2.384 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064927.D
 Acq: 4 Dec 2020 18:30

Tot Ion	Ratio	Lower	Upper
105	100		
134	27.3	10.1	30.1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6714-120120

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:45:49 AM

