

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061620.D
 Acq On : 2 Jun 2020 14:58
 Operator : JC/MD
 Sample : L2800-02DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527DL

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:32:26 AM

Quant Time: Jun 03 07:41:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	365943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	608562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	594154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	282298	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	193828	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	
35) Dibromofluoromethane	7.55	113	168223	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
50) Toluene-d8	10.06	98	713080	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.37	95	277114	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	291676	47.688	ug/l	99
12) 1,1-Dichloroethene	3.70	96	1537	0.411	ug/l #	66
21) trans-1,2-Dichloroethene	4.99	96	6714	1.592	ug/l	94
24) 1,1-Dichloroethane	5.80	63	15016	2.198	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	153822	32.213	ug/l	89
40) Benzene	8.00	78	31447	1.892	ug/l	99
42) 1,2-Dichloroethane	8.08	62	6302	1.132	ug/l	88
44) Trichloroethene	8.80	130	5362	1.050	ug/l	93
65) Chlorobenzene	11.41	112	581812	47.109	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	11396m	1.201	ug/l	
91) 1,2-Dichlorobenzene	13.63	146	9669	1.086	ug/l	97

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

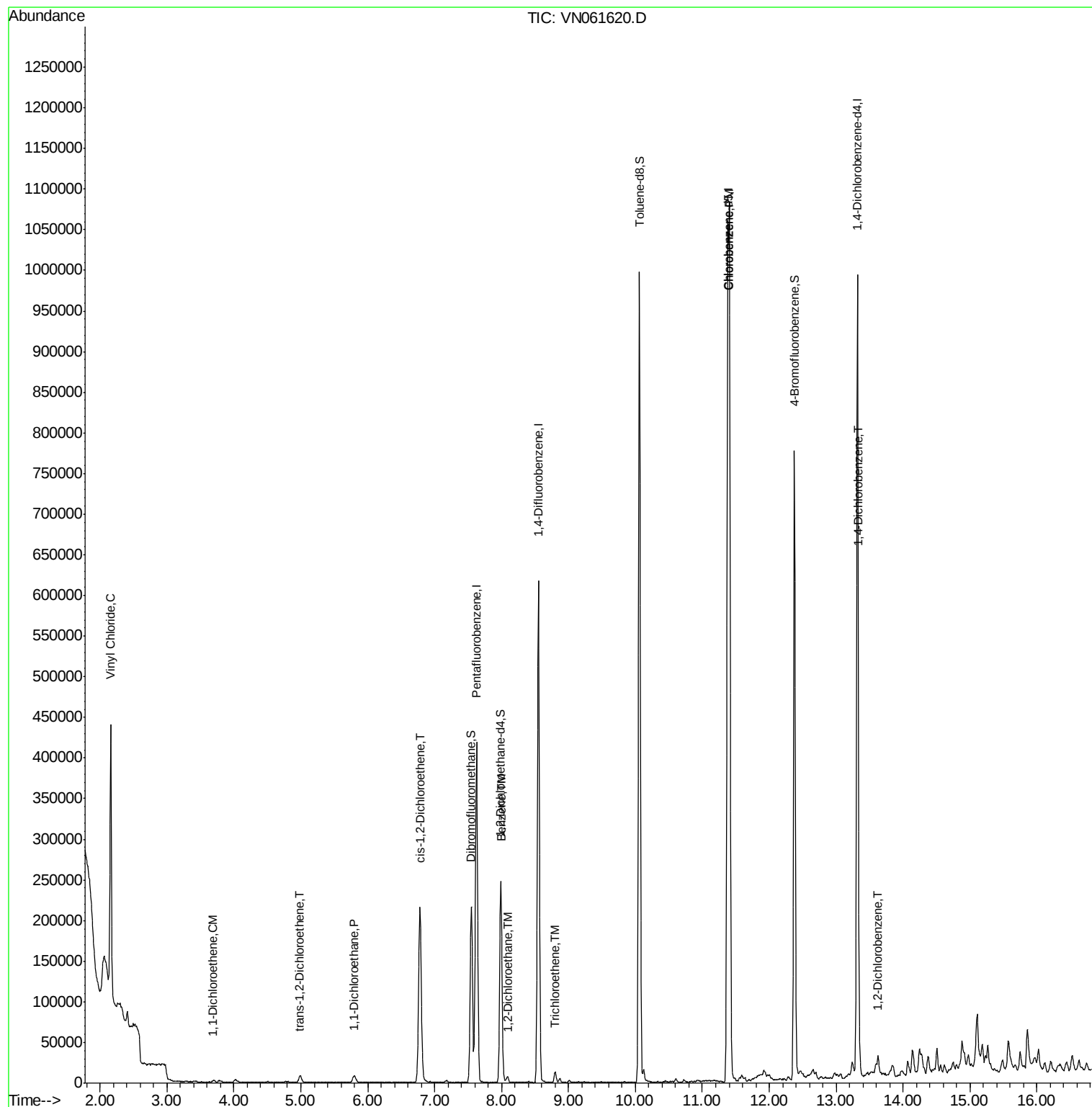
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
Data File : VN061620.D
Acq On : 2 Jun 2020 14:58
Operator : JC/MD
Sample : L2800-02DL 4X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

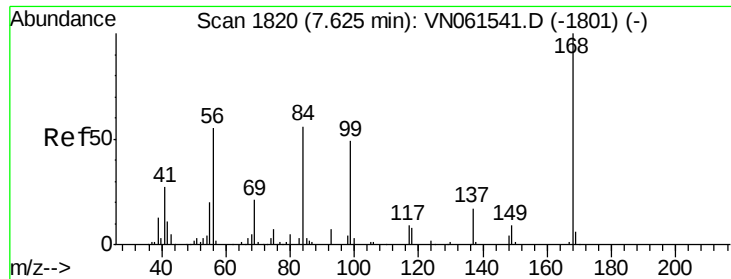
Instrument :
MSVOA_N
ClientSampleId :
WP022MW357-200527DL

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:26 AM

Quant Time: Jun 03 07:41:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061620.D

Acq: 2 Jun 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

WP022MW357-200527DL

Tot Ion:168 Resp: 365943

Ion Ratio Lower Upper

168 100

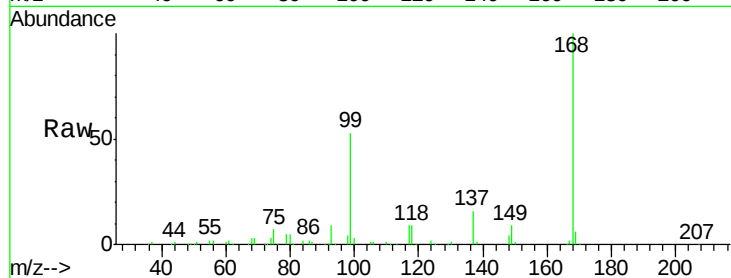
99 53.3 45.0 67.4

Manual Integrations

APPROVED

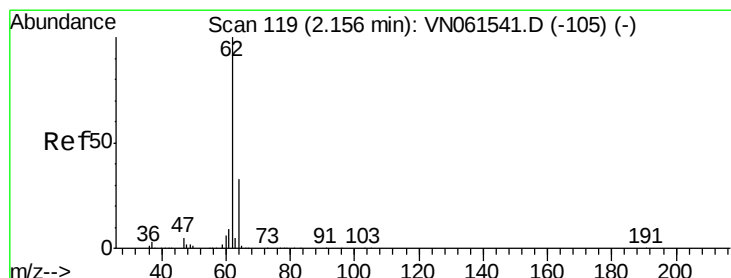
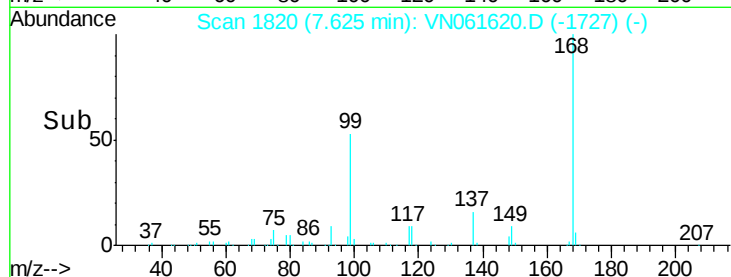
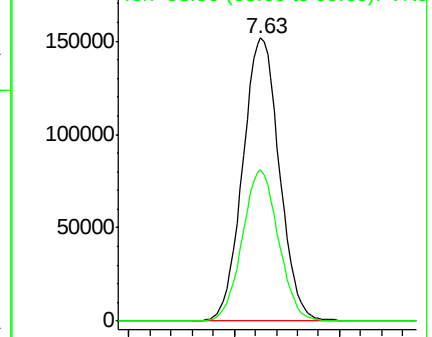
MMDadoda

6/3/2020 11:32:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 47.688 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061620.D

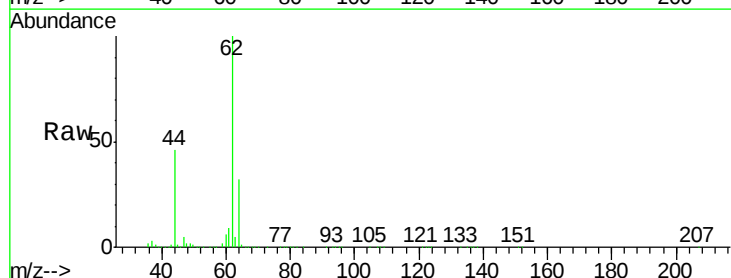
Acq: 2 Jun 2020 14:58

Tgt Ion: 62 Resp: 291676

Ion Ratio Lower Upper

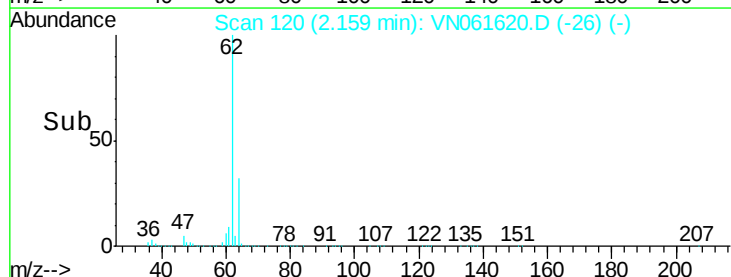
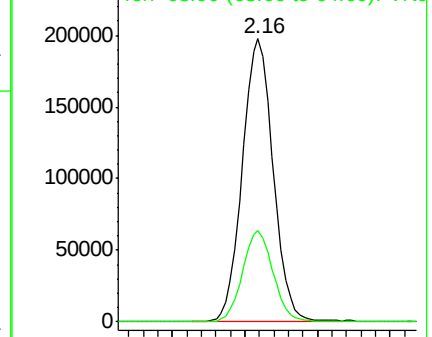
62 100

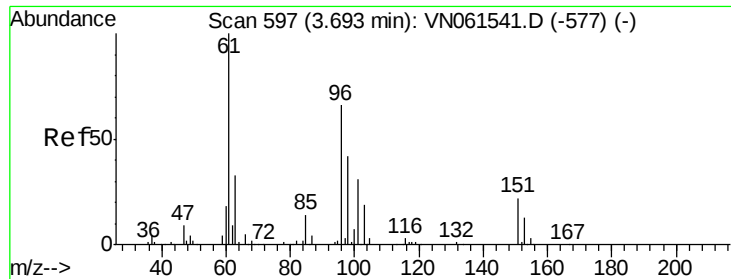
64 32.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





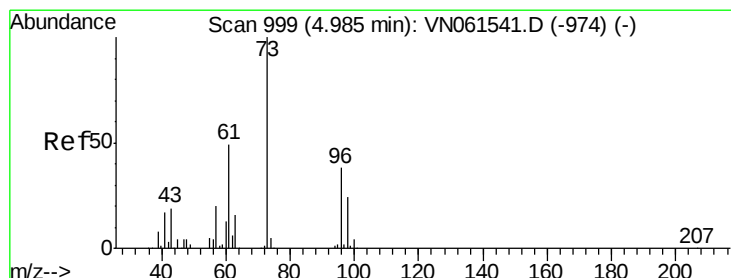
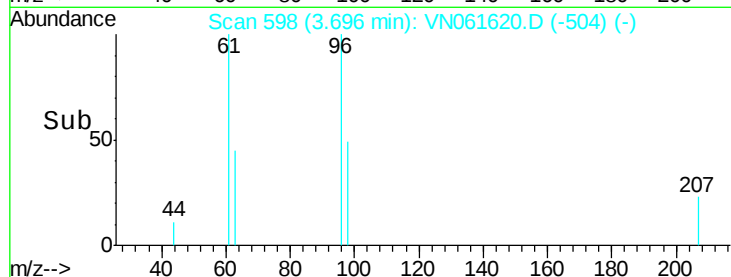
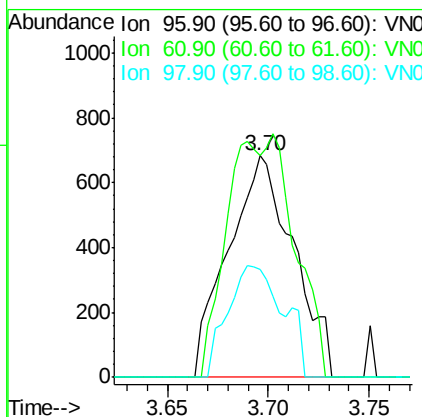
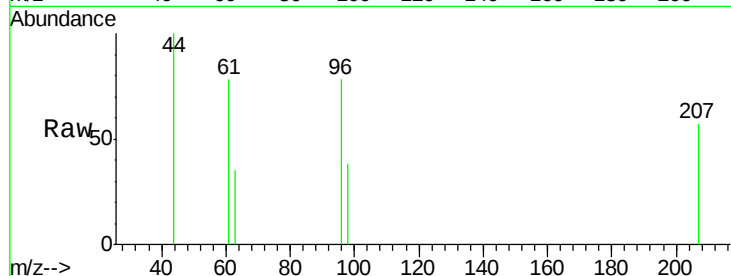
#12
1,1-Dichloroethene
Concen: 0.411 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061620.D
Acq: 2 Jun 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
WP022MW357-200527DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	100.0	120.5	180.7#
98	48.5	50.8	76.2#

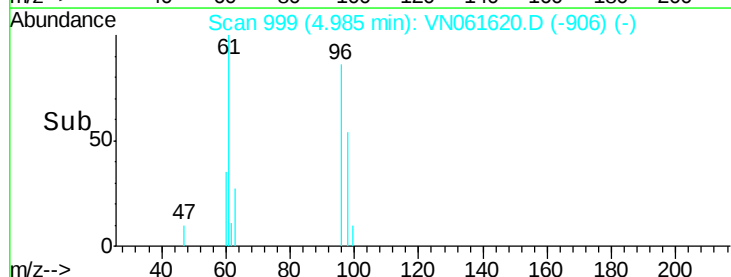
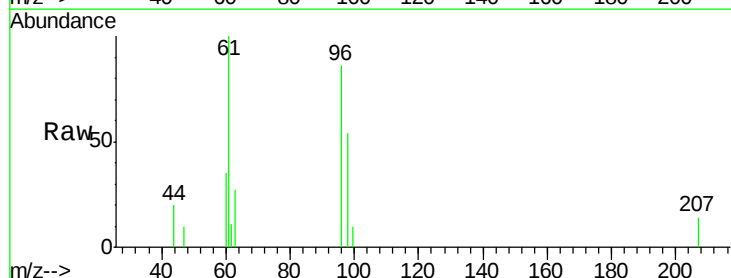
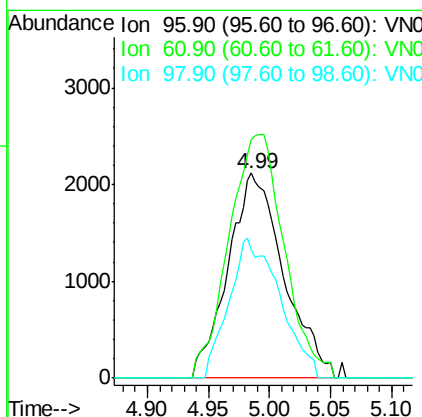
Manual Integrations
APPROVED

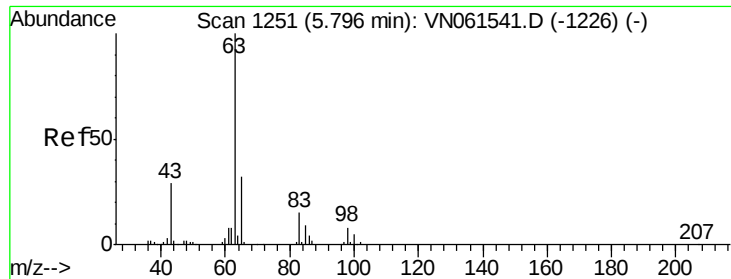
MMDadoda
6/3/2020 11:32:26 AM



#21
trans-1,2-Dichloroethene
Concen: 1.592 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061620.D
Acq: 2 Jun 2020 14:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.3	101.4	152.0
98	62.7	50.6	76.0





#24

1,1-Dichloroethane

Concen: 2.198 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VN061620.D

Acq: 2 Jun 2020 14:58

Instrument :

MSVOA_N

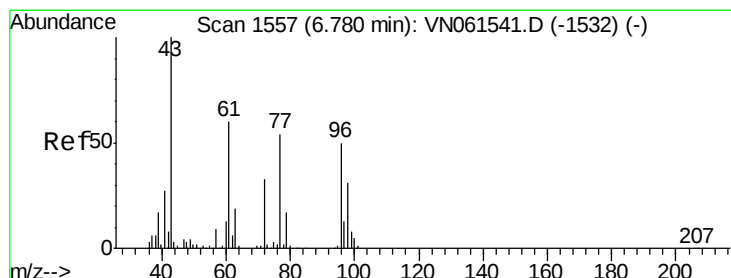
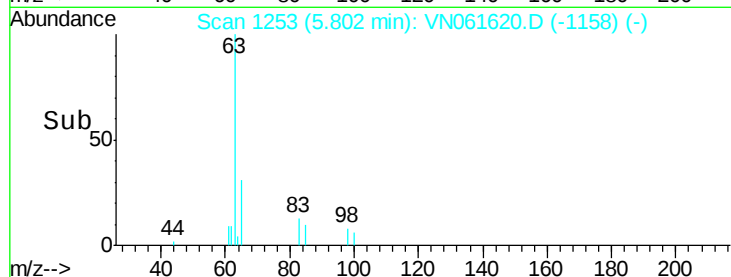
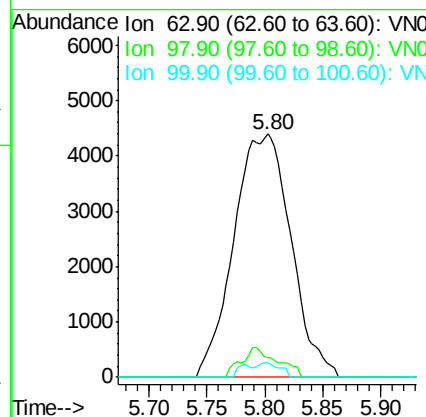
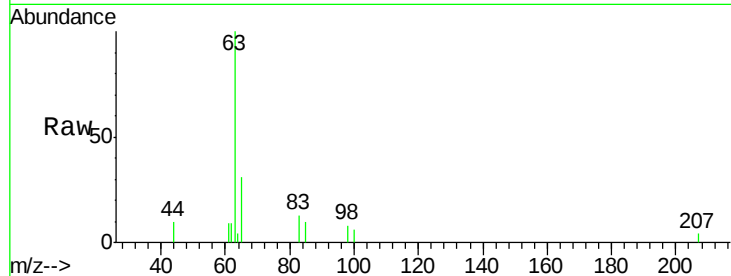
ClientSampleId :

WP022MW357-200527DL

Tot Ion:	63	Resp:	15016
Ion Ratio	Lower	Upper	
63	100		
98	8.2	3.8	11.4
100	5.8	2.5	7.6

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:26 AM



#27

cis-1,2-Dichloroethene

Concen: 32.213 ug/l

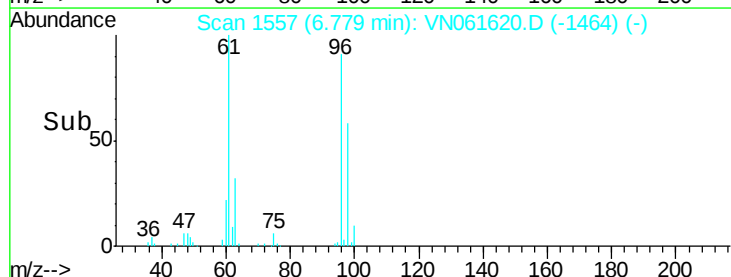
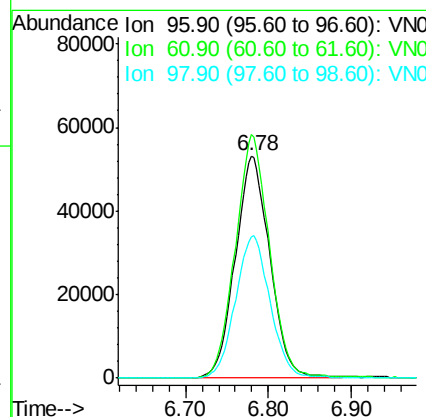
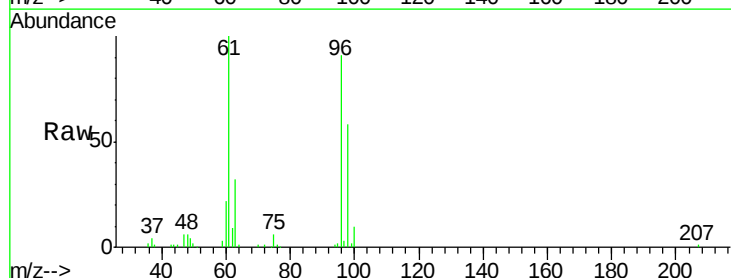
RT: 6.78 min Scan# 1557

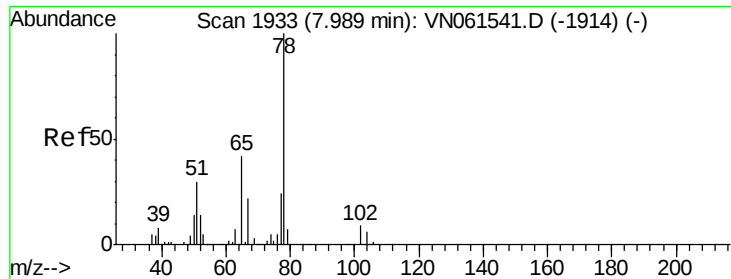
Delta R.T. -0.00 min

Lab File: VN061620.D

Acq: 2 Jun 2020 14:58

Tgt Ion:	96	Resp:	153822
Ion Ratio	Lower	Upper	
96	100		
61	107.8	0.0	252.2
98	64.3	0.0	129.2





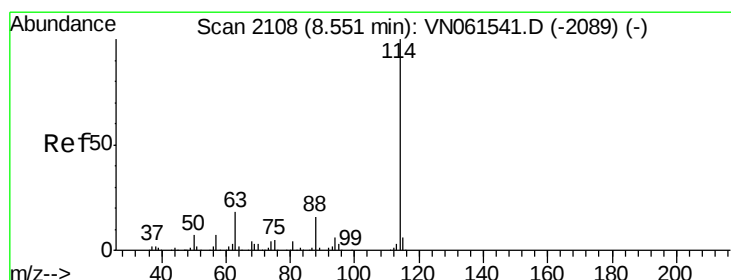
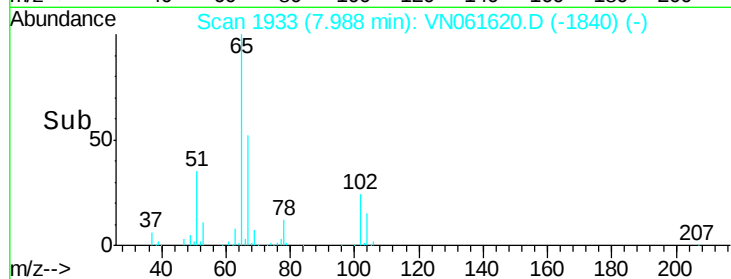
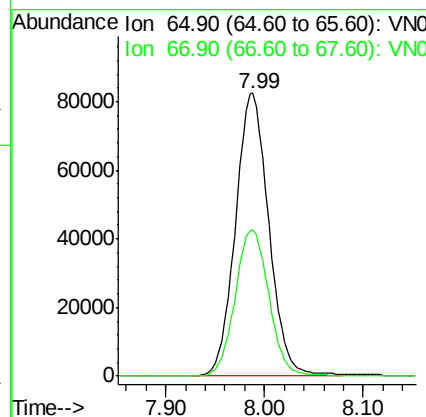
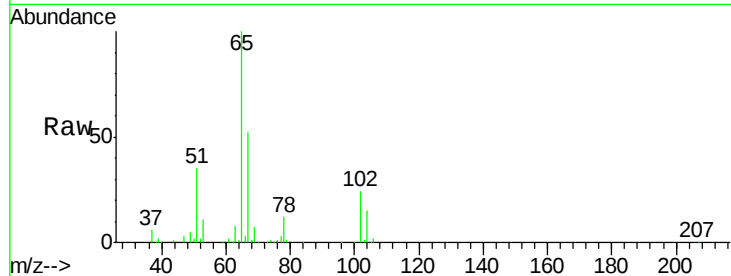
#33
 1,2-Dichloroethane-d4
 Concen: 44.456 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061620.D
 Acq: 2 Jun 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193828		
67	52.3	0.0	104.8	

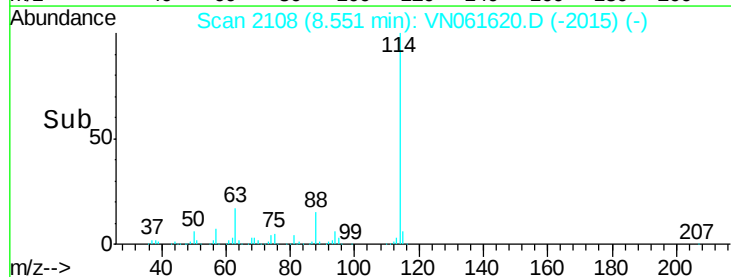
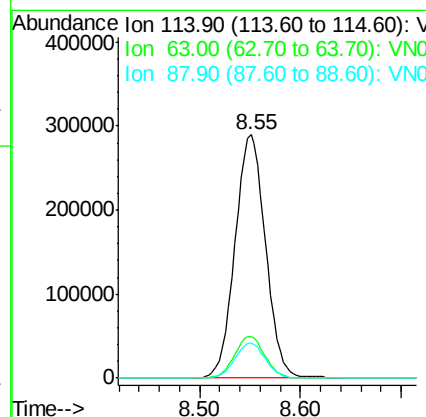
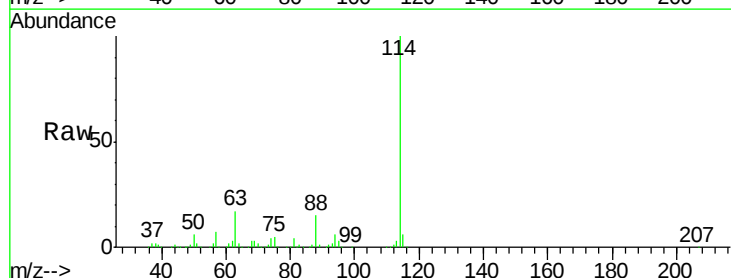
Manual Integrations
 APPROVED

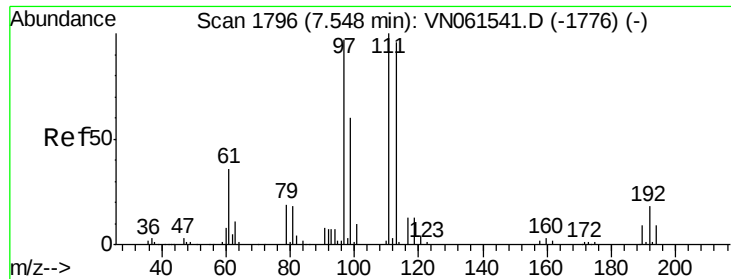
MMDadoda
 6/3/2020 11:32:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061620.D
 Acq: 2 Jun 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	608562		
63	17.0	0.0	35.8	
88	14.6	0.0	31.0	





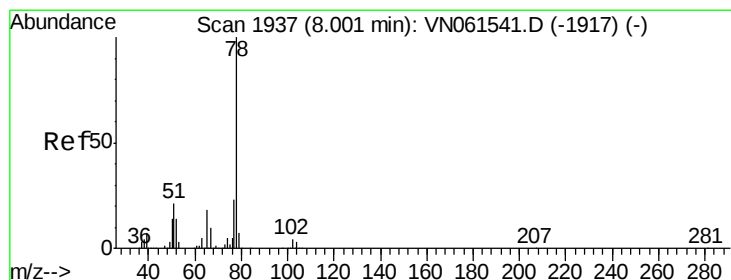
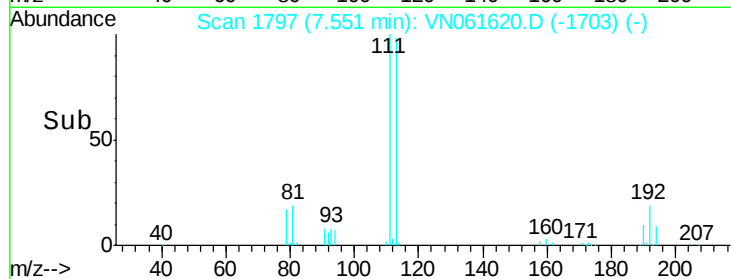
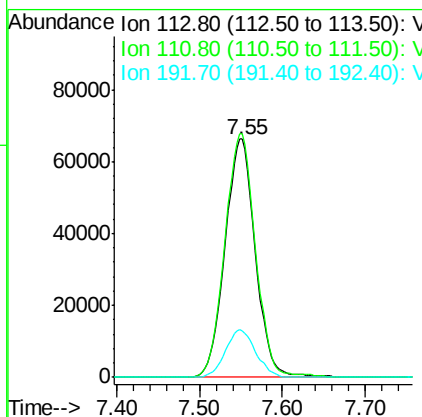
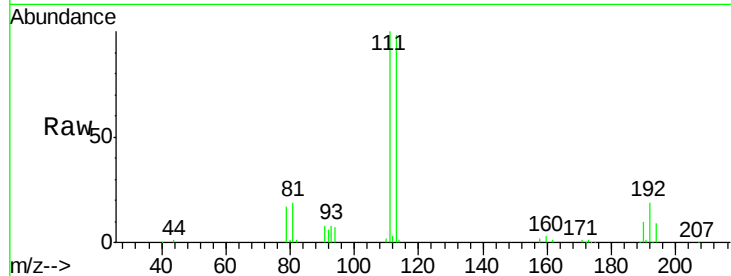
#35
 Dibromofluoromethane
 Concen: 54.492 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061620.D
 Acq: 2 Jun 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168223		
111	103.2	83.4	125.0	
192	19.8	15.4	23.2	

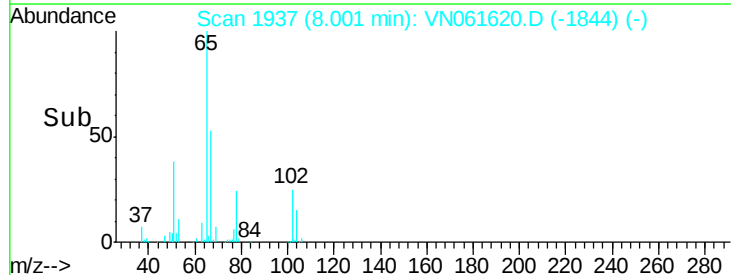
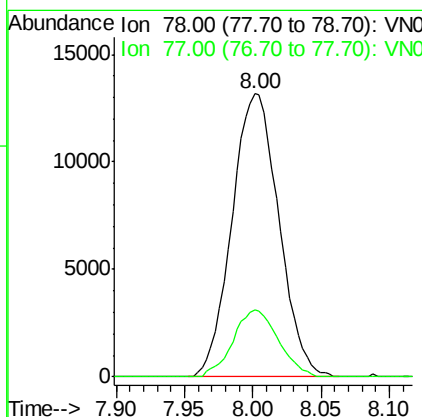
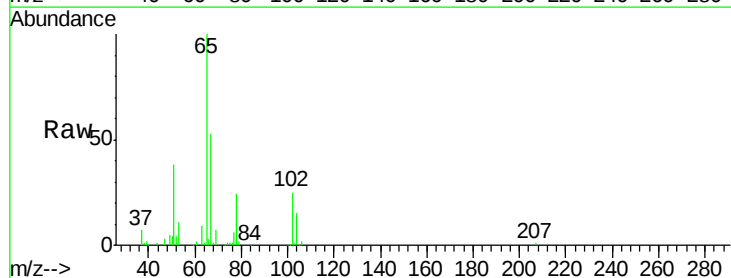
Manual Integrations
 APPROVED

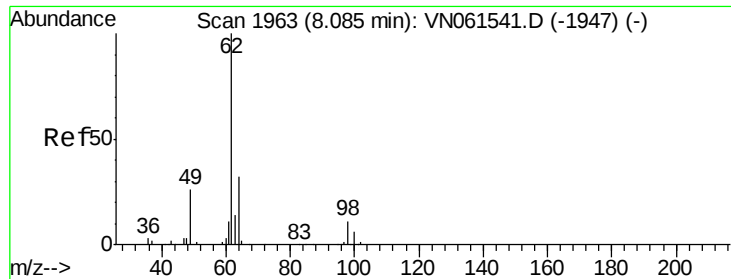
MMDadoda
 6/3/2020 11:32:26 AM



#40
 Benzene
 Concen: 1.892 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061620.D
 Acq: 2 Jun 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	31447		
77	23.8	18.6	28.0	





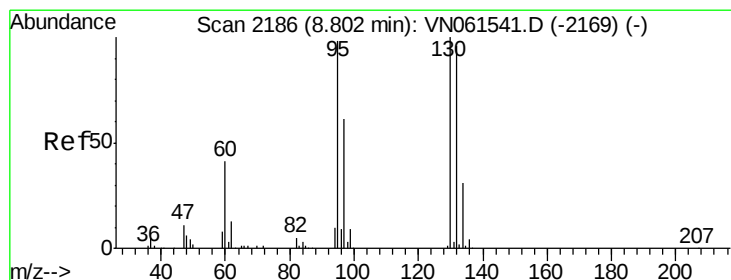
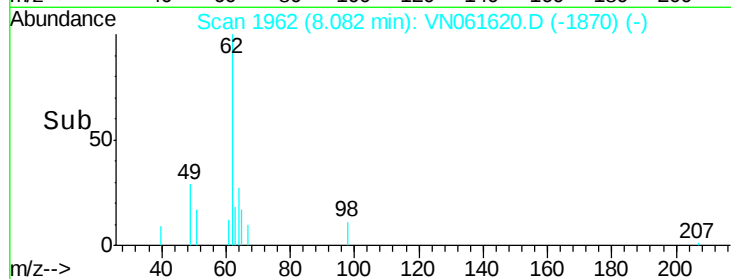
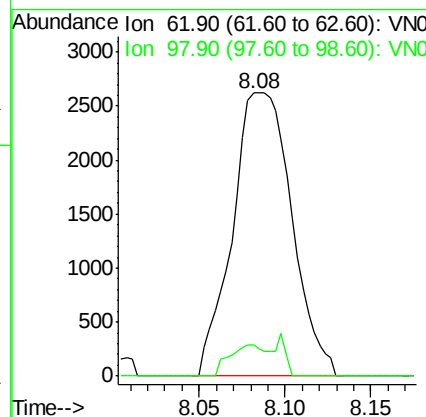
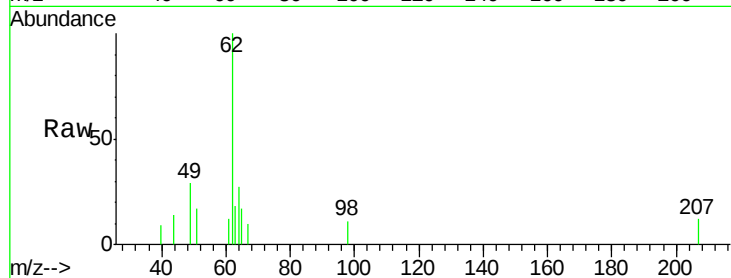
#42
 1,2-Dichloroethane
 Concen: 1.132 ug/l
 RT: 8.08 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VN061620.D
 Acq: 2 Jun 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW357-200527DL

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	21.4

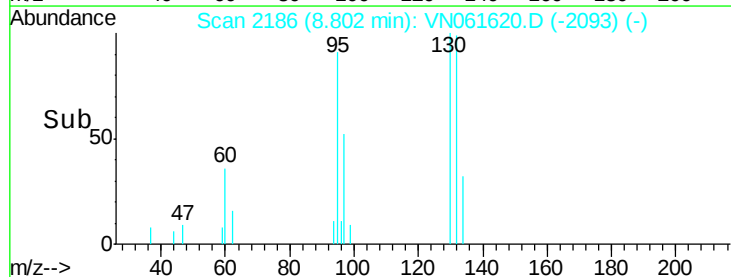
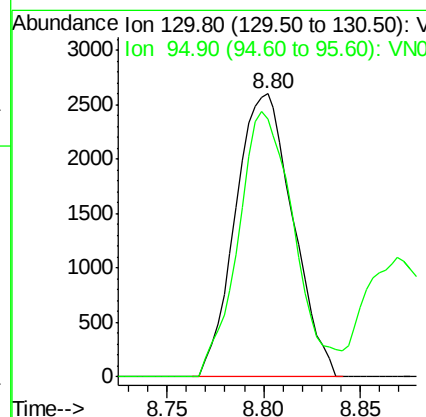
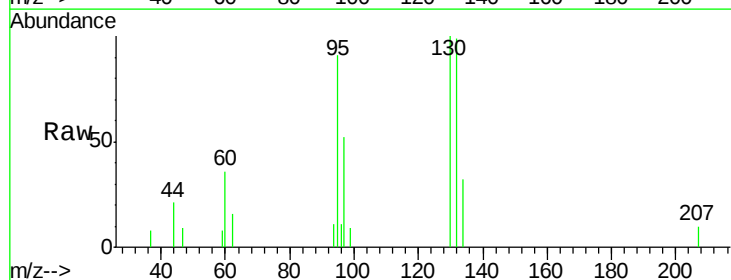
Manual Integrations
 APPROVED

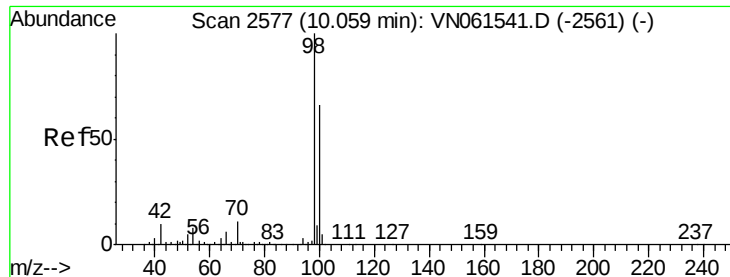
MMDadoda
 6/3/2020 11:32:26 AM



#44
 Trichloroethene
 Concen: 1.050 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061620.D
 Acq: 2 Jun 2020 14:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	196.6





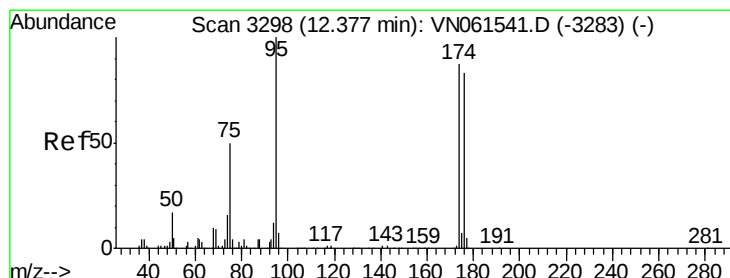
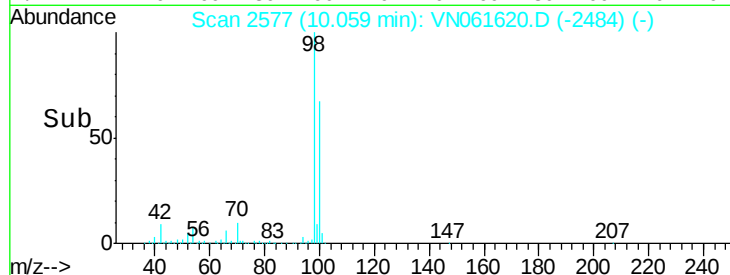
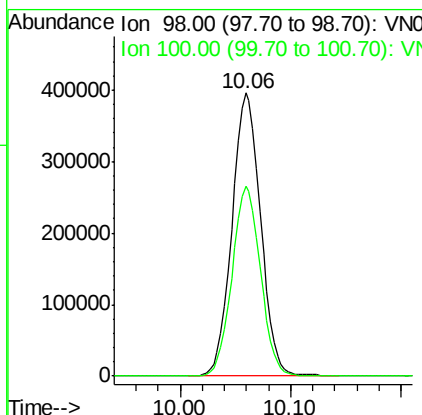
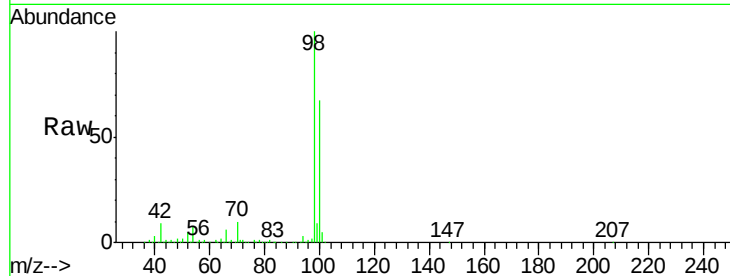
#50
Toluene-d8
Concen: 49.844 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061620.D
Acq: 2 Jun 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
WP022MW357-200527DL

Tot Ion: 98 Resp: 713080
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2

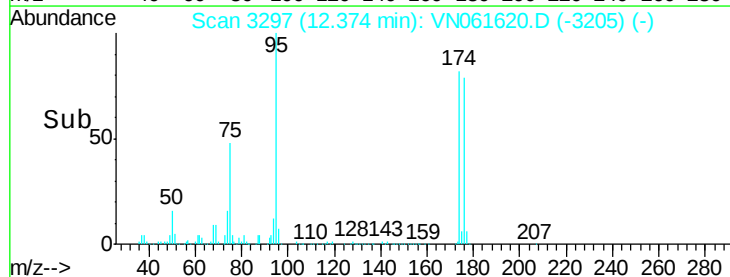
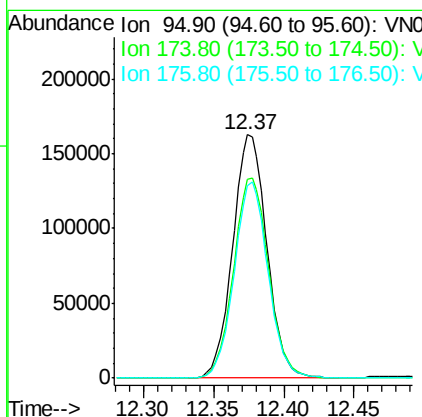
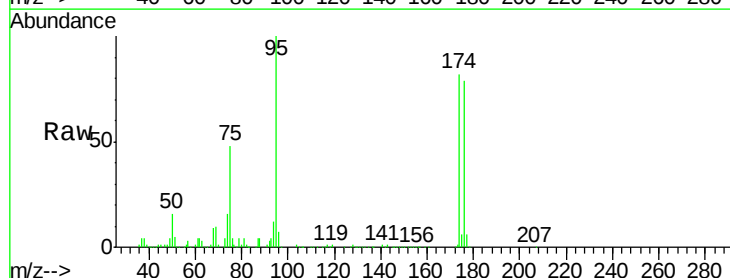
Manual Integrations
APPROVED

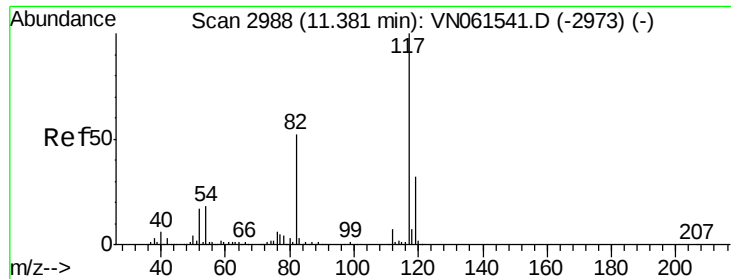
MMDadoda
6/3/2020 11:32:26 AM



#62
4-Bromofluorobenzene
Concen: 53.093 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061620.D
Acq: 2 Jun 2020 14:58

Tgt Ion: 95 Resp: 277114
Ion Ratio Lower Upper
95 100
174 84.1 0.0 172.8
176 79.8 0.0 164.8





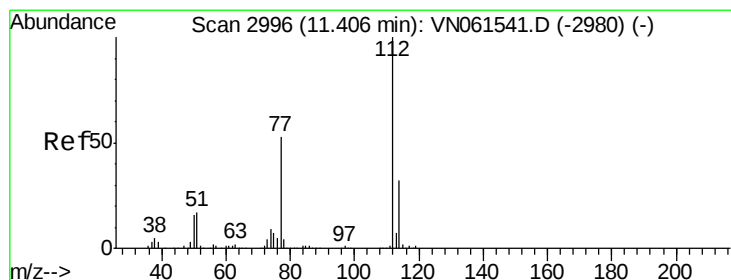
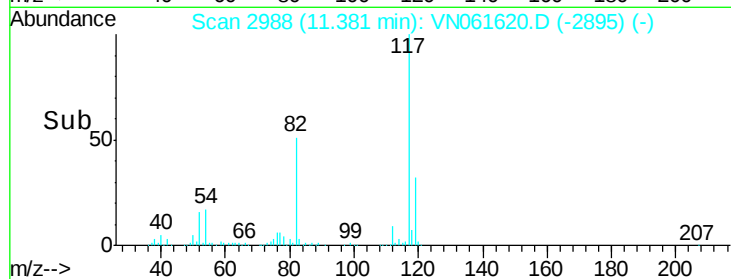
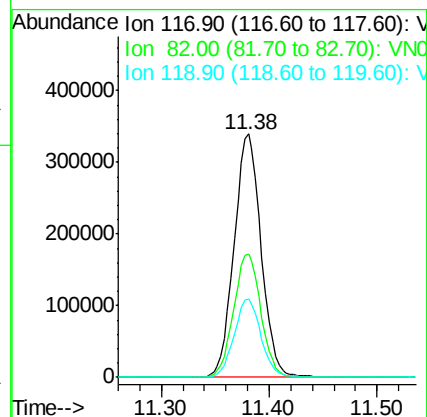
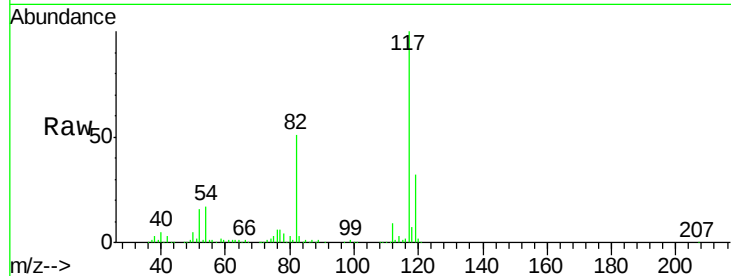
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061620.D
Acq: 2 Jun 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
WP022MW357-200527DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	594154		
82	50.8		41.5	62.3
119	32.3		25.6	38.4

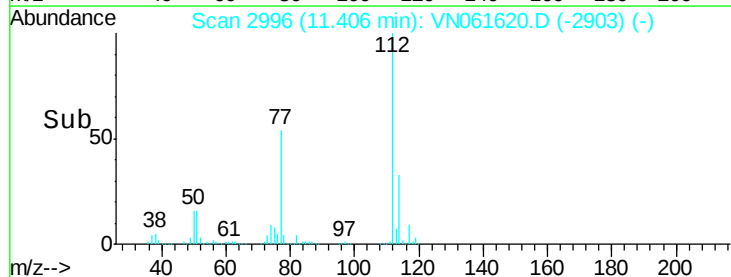
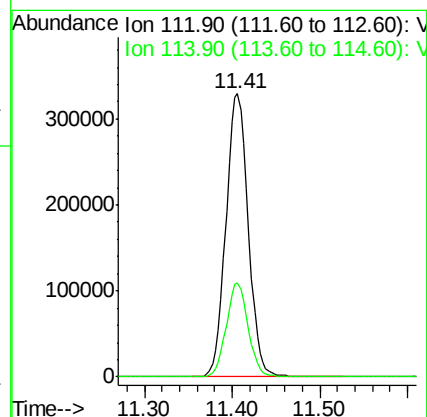
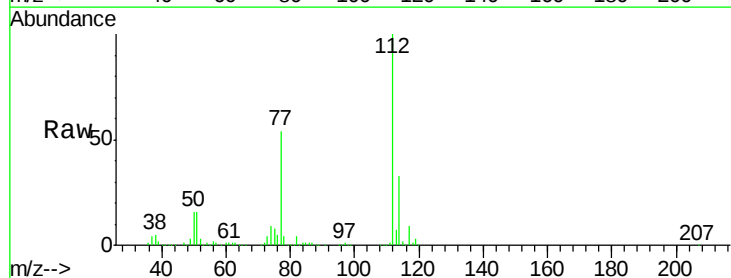
Manual Integrations
APPROVED

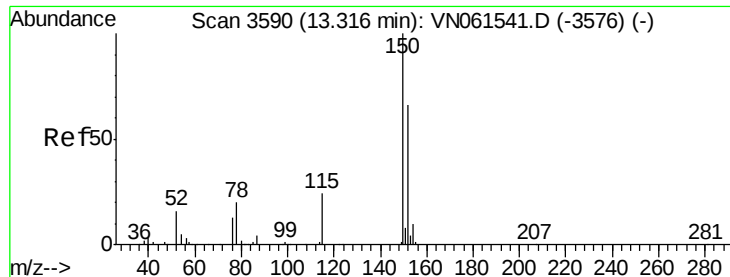
MMDadoda
6/3/2020 11:32:26 AM



#65
Chlorobenzene
Concen: 47.109 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061620.D
Acq: 2 Jun 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	581812		
114	33.3		25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061620.D

Acq: 2 Jun 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

WP022MW357-200527DL

Tot Ion:152 Resp: 282298

Ion Ratio Lower Upper

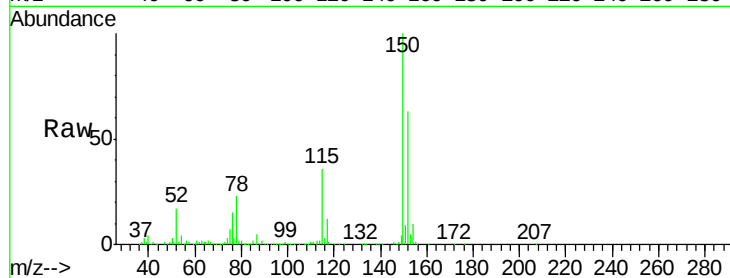
152 100

115 56.6 28.0 84.0

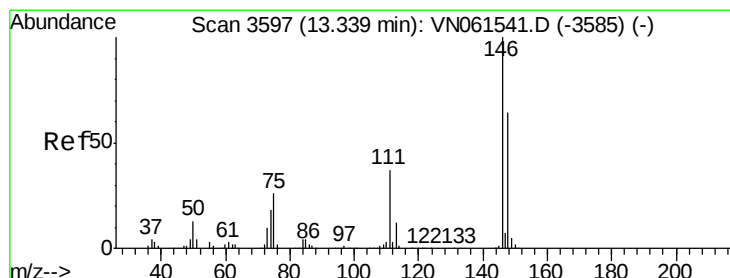
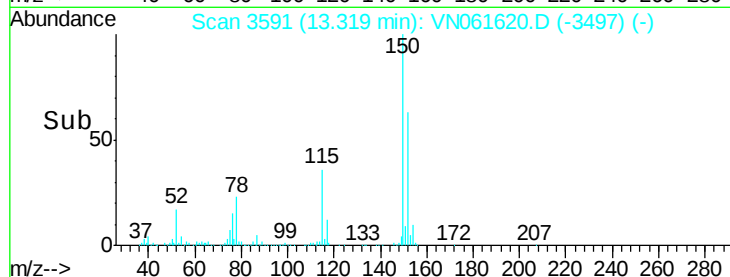
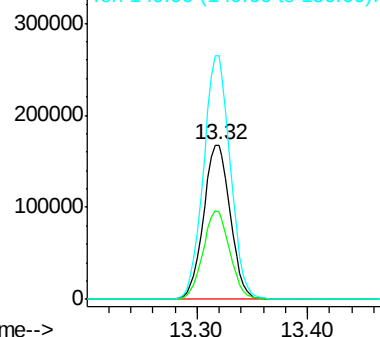
150 157.6 0.0 344.0

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:26 AM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#88

1,4-Dichlorobenzene

Concen: 1.201 ug/l m

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061620.D

Acq: 2 Jun 2020 14:58

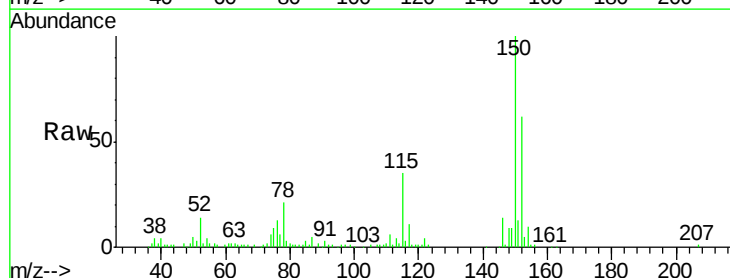
Tgt Ion:146 Resp: 11396

Ion Ratio Lower Upper

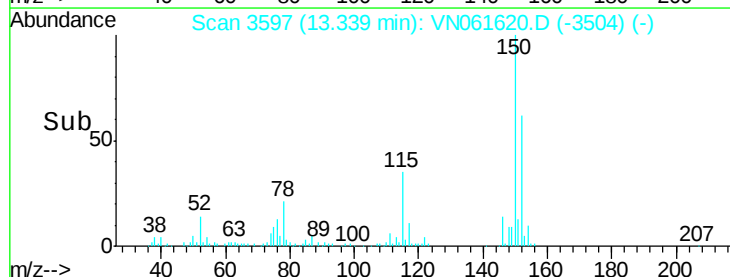
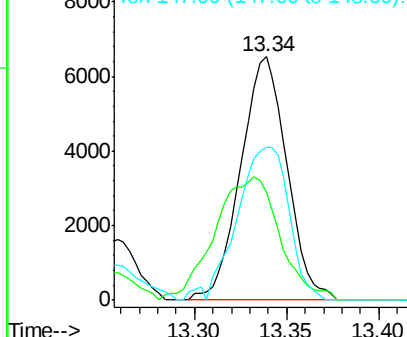
146 100

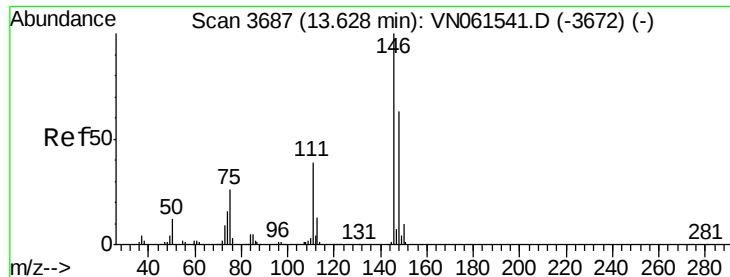
111 11.1 18.9 56.9#

148 15.0 31.8 95.3#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 1.086 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061620.D

Acq: 2 Jun 2020 14:58

Instrument :

MSVOA_N

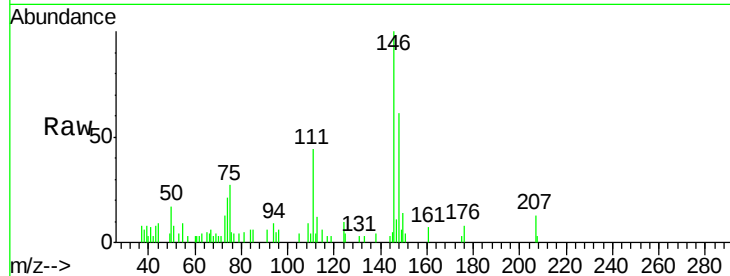
ClientSampleId :

WP022MW357-200527DL

Tot Ion:	146	Resp:	9669
Ion Ratio	Lower	Upper	
146	100		
111	43.9	20.1	60.2
148	63.5	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:26 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

