

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057381.D
 Acq On : 17 Aug 2019 2:28
 Operator : JC/SP
 Sample : K4272-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2S-G3-(1)

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:59 PM

Quant Time: Aug 17 04:43:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1091282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1536254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1289418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	354158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	513770	43.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.62%	
35) Dibromofluoromethane	7.58	113	464781	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	
50) Toluene-d8	10.09	98	1787542	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.40	95	478492	36.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.52%	
Target Compounds						
20) Methylene Chloride	4.55	84	22449m	1.950	ug/l	Qvalue
43) Isopropyl Acetate	8.16	43	243892	11.127	ug/l #	80

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

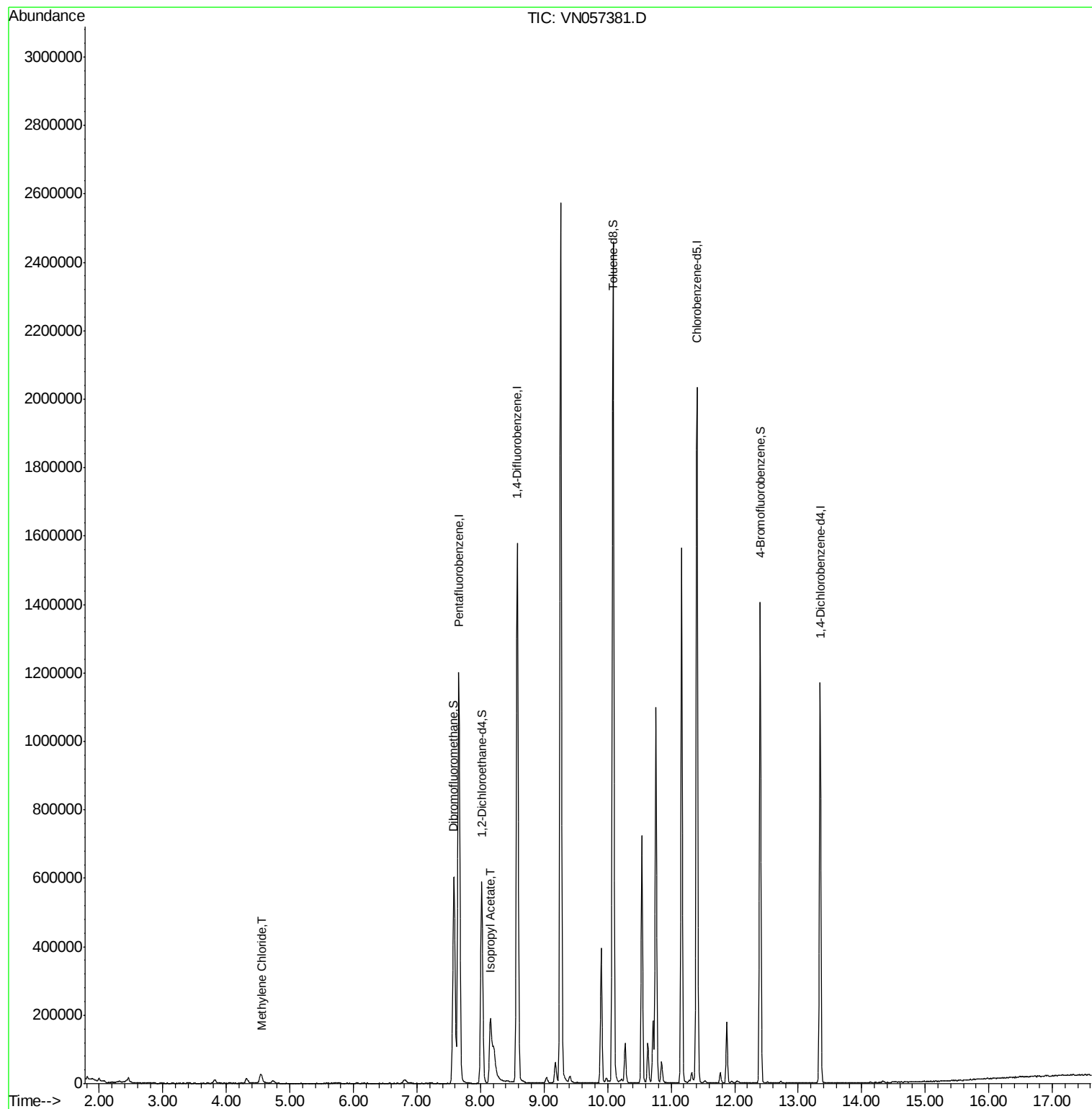
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081819\
Data File : VN057381.D
Acq On : 17 Aug 2019 2:28
Operator : JC/SP
Sample : K4272-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

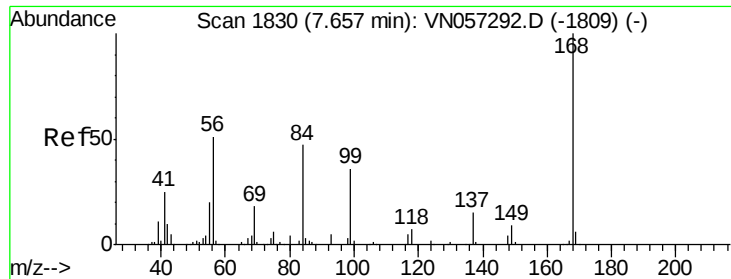
Instrument :
MSVOA_N
ClientSampleId :
2S-G3-(1)

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:59 PM

Quant Time: Aug 17 04:43:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057381.D

Acq: 17 Aug 2019 2:28

Instrument :

MSVOA_N

ClientSampleId :

2S-G3-(1)

Tot Ion:168 Resp: 1091282

Ion Ratio Lower Upper

168 100

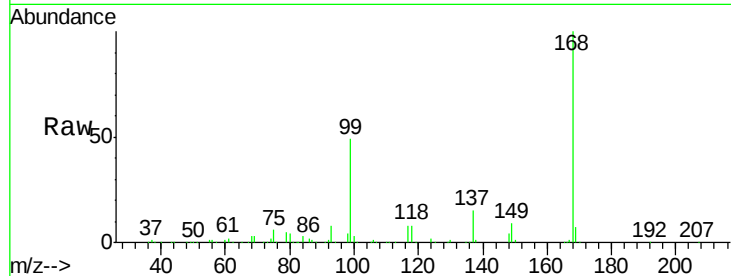
99 49.4 39.4 59.2

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

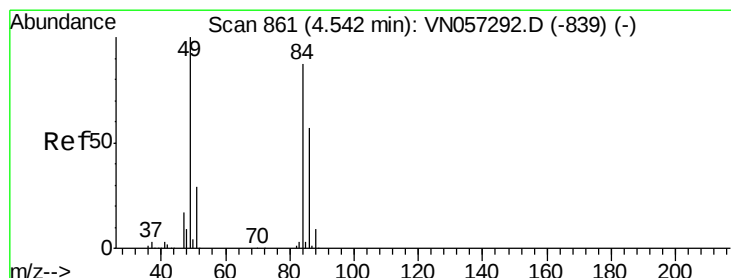
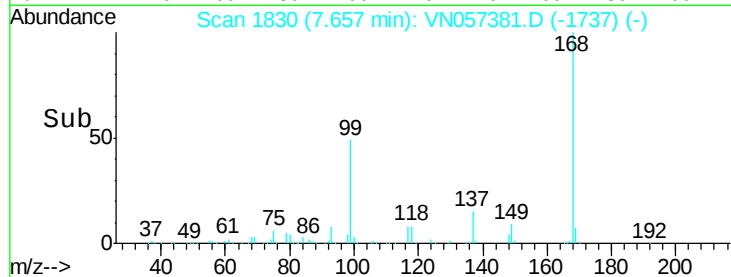
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 1.950 ug/l m

RT: 4.55 min Scan# 865

Delta R.T. 0.01 min

Lab File: VN057381.D

Acq: 17 Aug 2019 2:28

Tgt Ion: 84 Resp: 22449

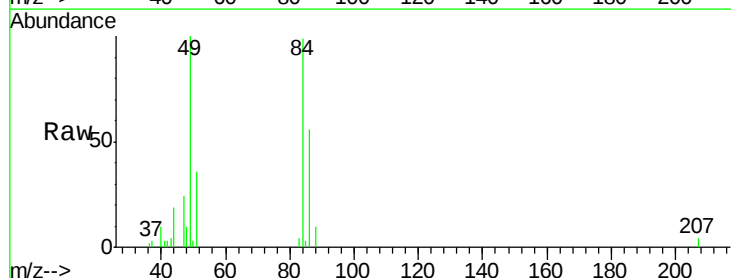
Ion Ratio Lower Upper

84 100

49 101.5 92.0 138.0

51 36.1 27.1 40.7

86 57.2 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4.55

8000

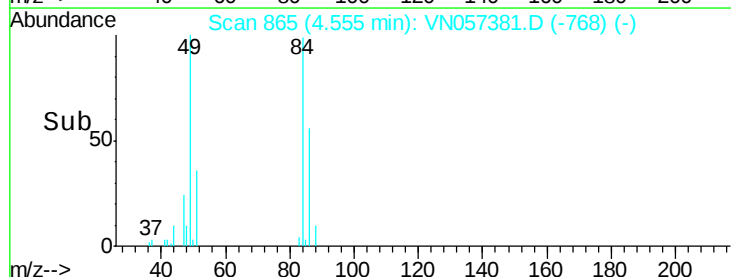
6000

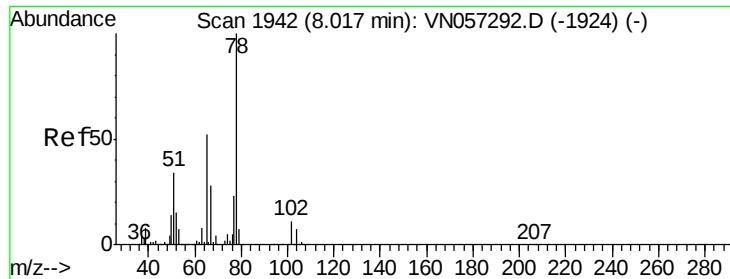
4000

2000

0

Time-->





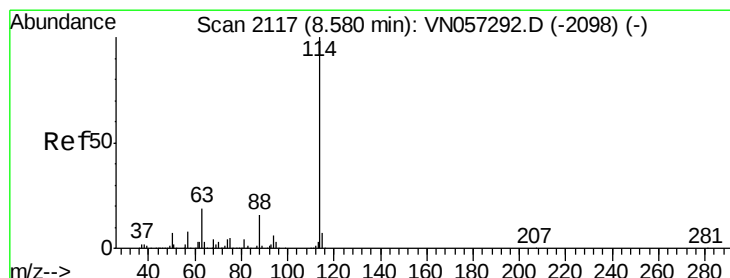
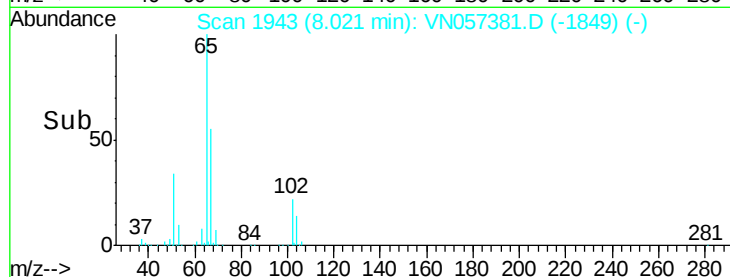
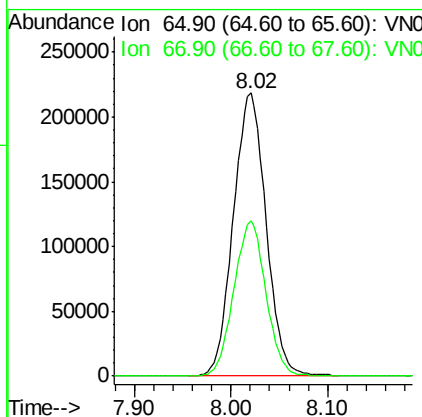
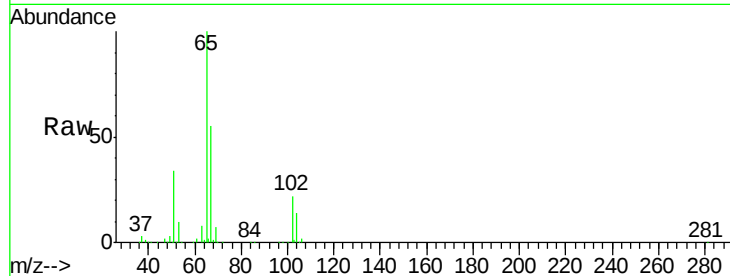
#33
 1,2-Dichloroethane-d4
 Concen: 43.307 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057381.D
 Acq: 17 Aug 2019 2:28

Instrument :
 MSVOA_N
 ClientSampleId :
 2S-G3-(1)

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.4	

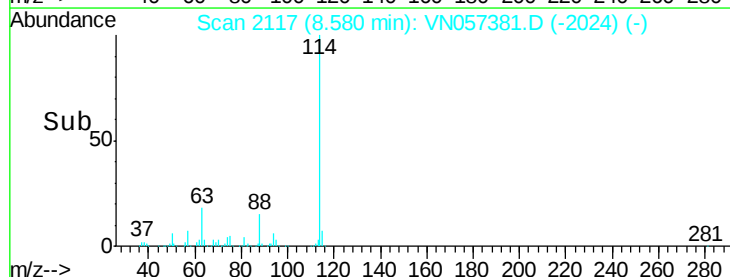
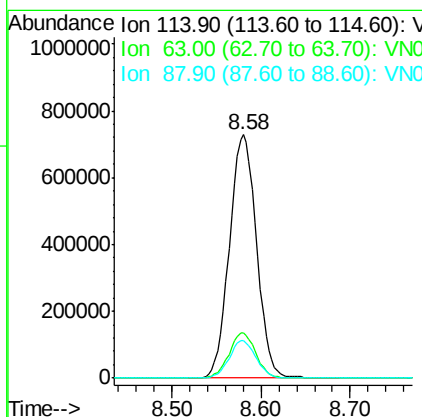
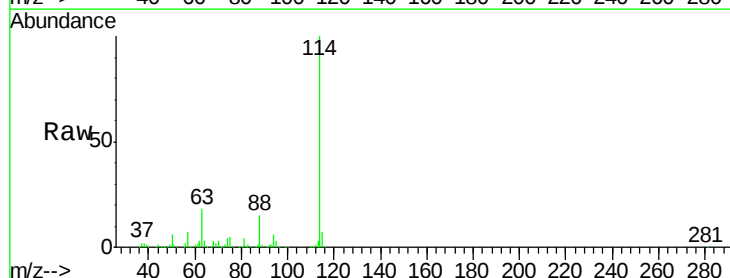
Manual Integrations
 APPROVED

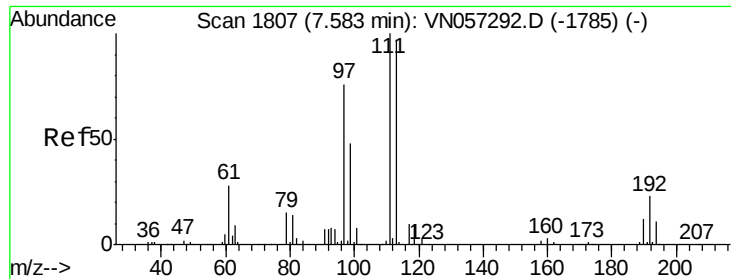
MMDadoda
 8/19/2019 12:19:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057381.D
 Acq: 17 Aug 2019 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	38.8	
88	15.3	0.0	31.4	





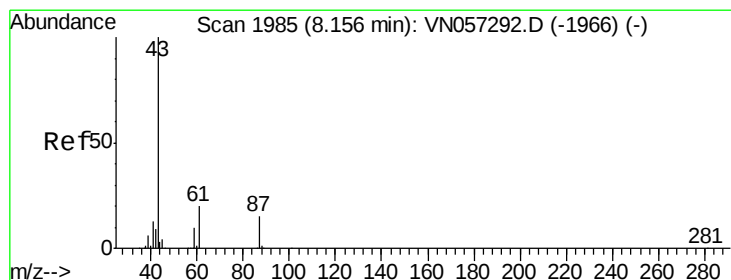
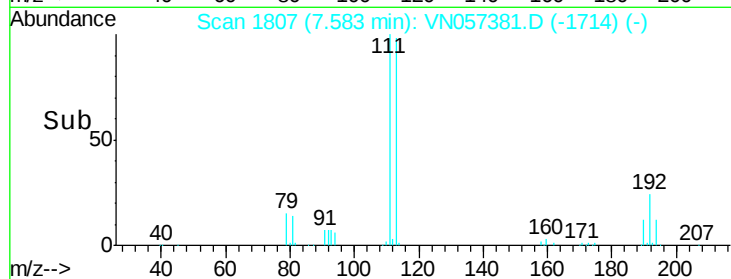
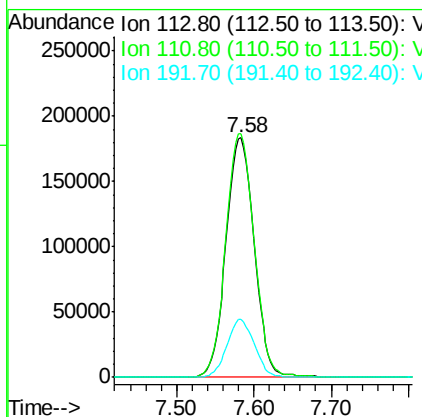
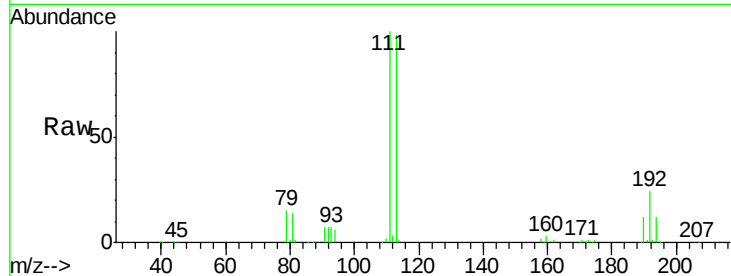
#35
 Dibromofluoromethane
 Concen: 46.153 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN057381.D
 Acq: 17 Aug 2019 2:28

Instrument :
 MSVOA_N
 ClientSampleId :
 2S-G3-(1)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	464781		
111	102.3	82.1	123.1	
192	23.5	19.3	28.9	

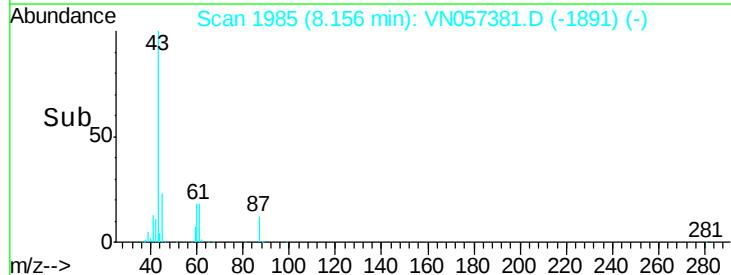
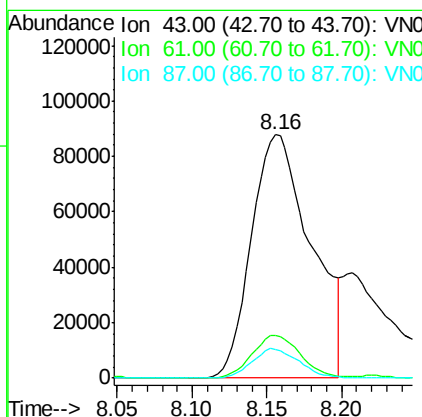
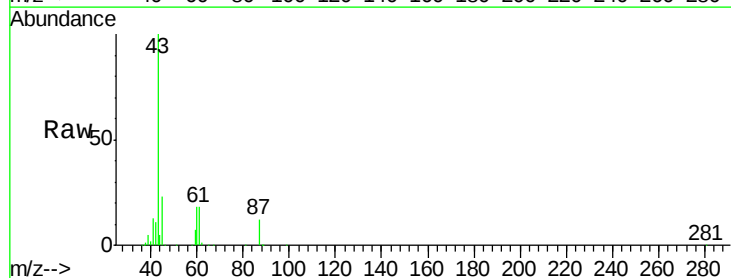
Manual Integrations
 APPROVED

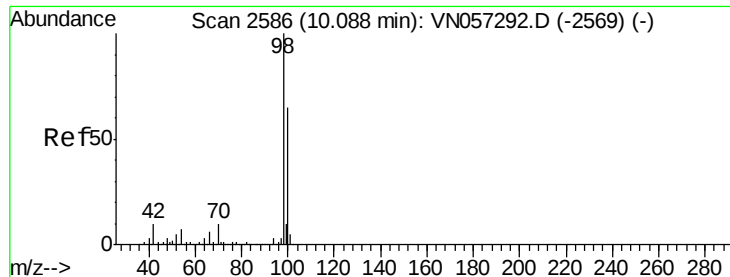
MMDadoda
 8/19/2019 12:19:59 PM



#43
 Isopropyl Acetate
 Concen: 11.127 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057381.D
 Acq: 17 Aug 2019 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	243892		
61	14.3	21.6	32.4#	
87	9.5	11.4	17.0#	





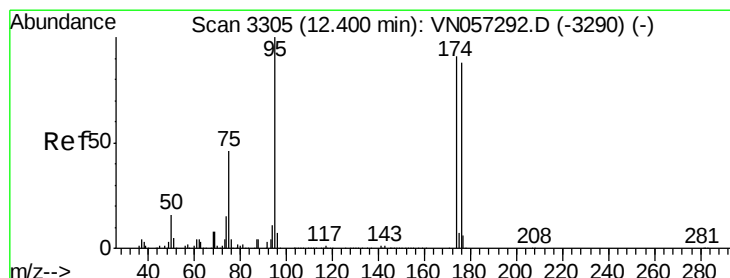
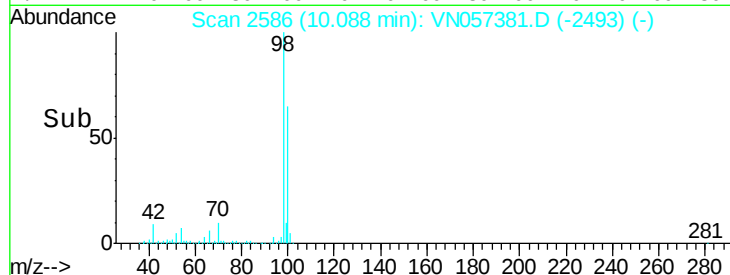
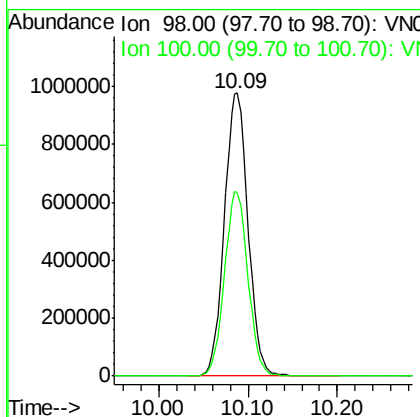
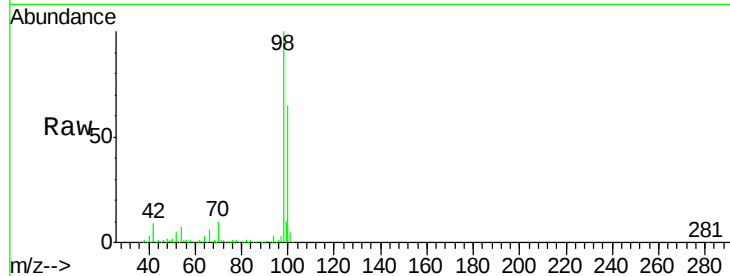
#50
Toluene-d8
Concen: 48.531 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057381.D
Acq: 17 Aug 2019 2:28

Instrument :
MSVOA_N
ClientSampled :
2S-G3-(1)

Tot Ion: 98 Resp: 1787542
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

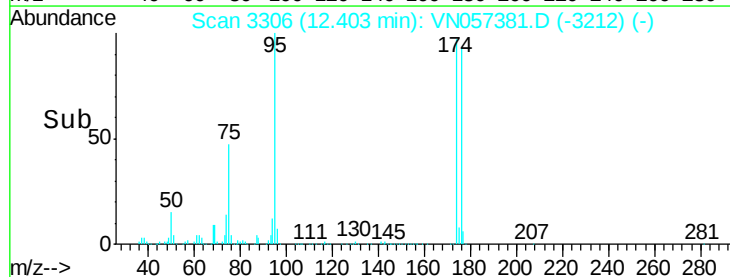
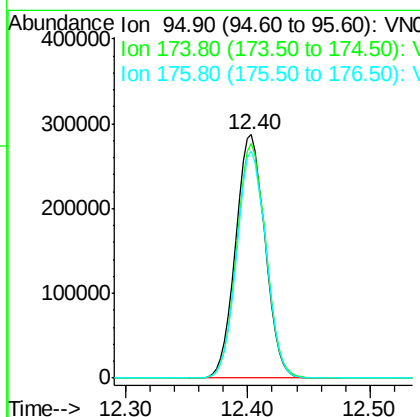
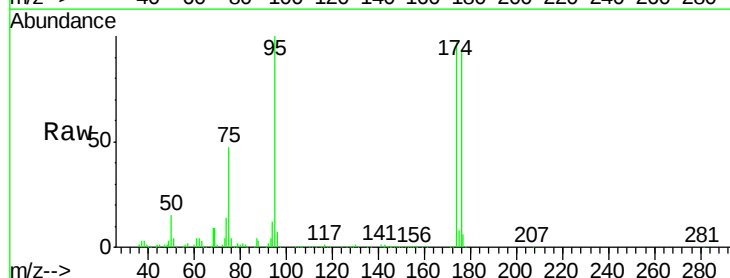
Manual Integrations
APPROVED

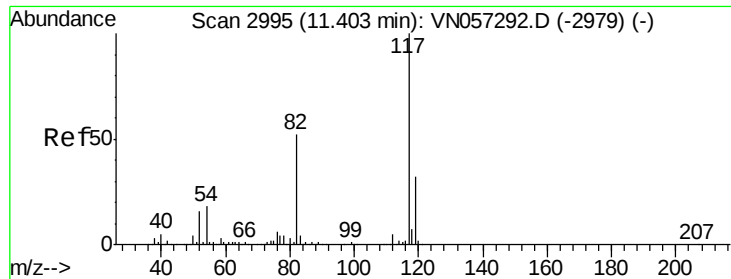
MMDadoda
8/19/2019 12:19:59 PM



#62
4-Bromofluorobenzene
Concen: 36.760 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057381.D
Acq: 17 Aug 2019 2:28

Tgt Ion: 95 Resp: 478492
Ion Ratio Lower Upper
95 100
174 95.6 0.0 185.0
176 92.5 0.0 181.0





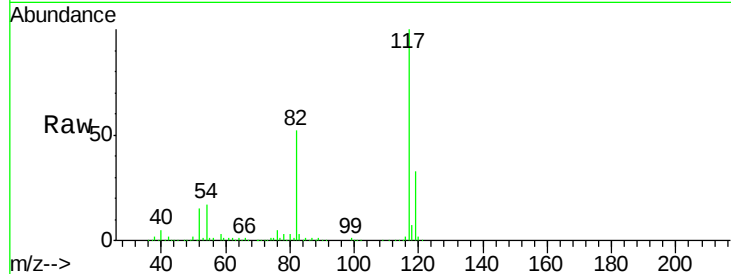
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057381.D
Acq: 17 Aug 2019 2:28

Instrument :
MSVOA_N
ClientSampled :
2S-G3-(1)

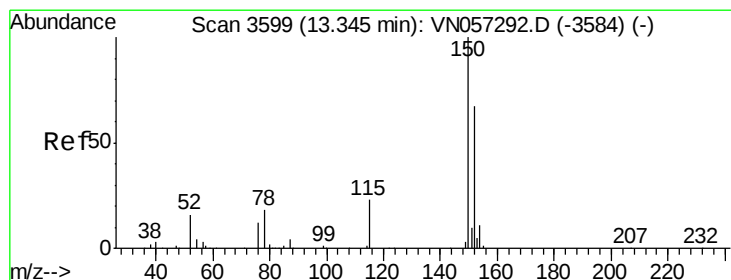
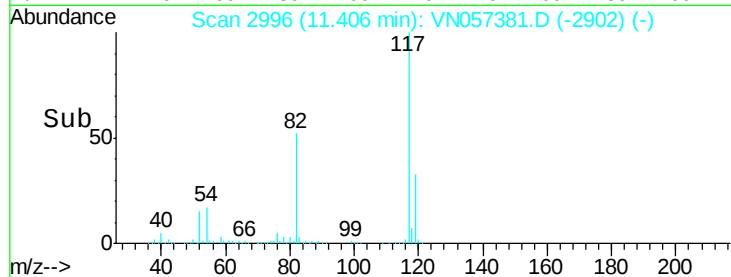
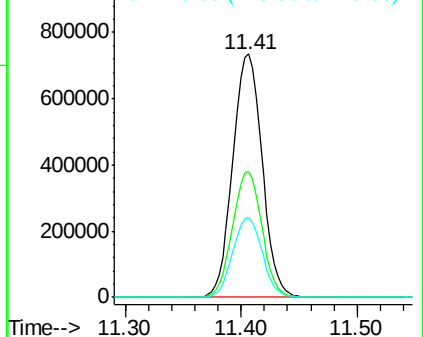
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.2	61.8
119	32.6	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:59 PM

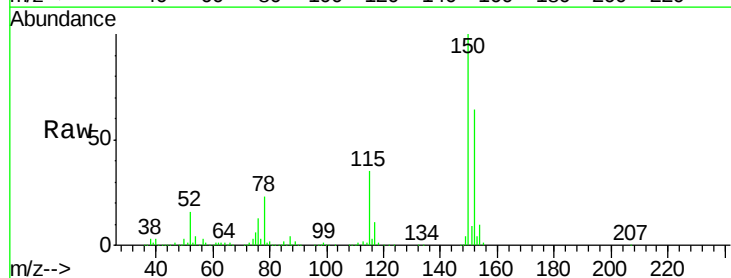


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057381.D
Acq: 17 Aug 2019 2:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.3	81.9
150	154.2	0.0	344.4



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

