

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057338.D
 Acq On : 15 Aug 2019 17:54
 Operator : JC/SP
 Sample : K4264-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:10 AM

Quant Time: Aug 16 02:34:38 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	1109893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1537605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1292346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320663	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	515334	42.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.42%	
35) Dibromofluoromethane	7.58	113	462641	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
50) Toluene-d8	10.09	98	1809655	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	465458	35.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.46%	
Target Compounds						
20) Methylene Chloride	4.55	84	18279	1.561	ug/l	97
43) Isopropyl Acetate	8.16	43	218766m	9.852	ug/l	

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

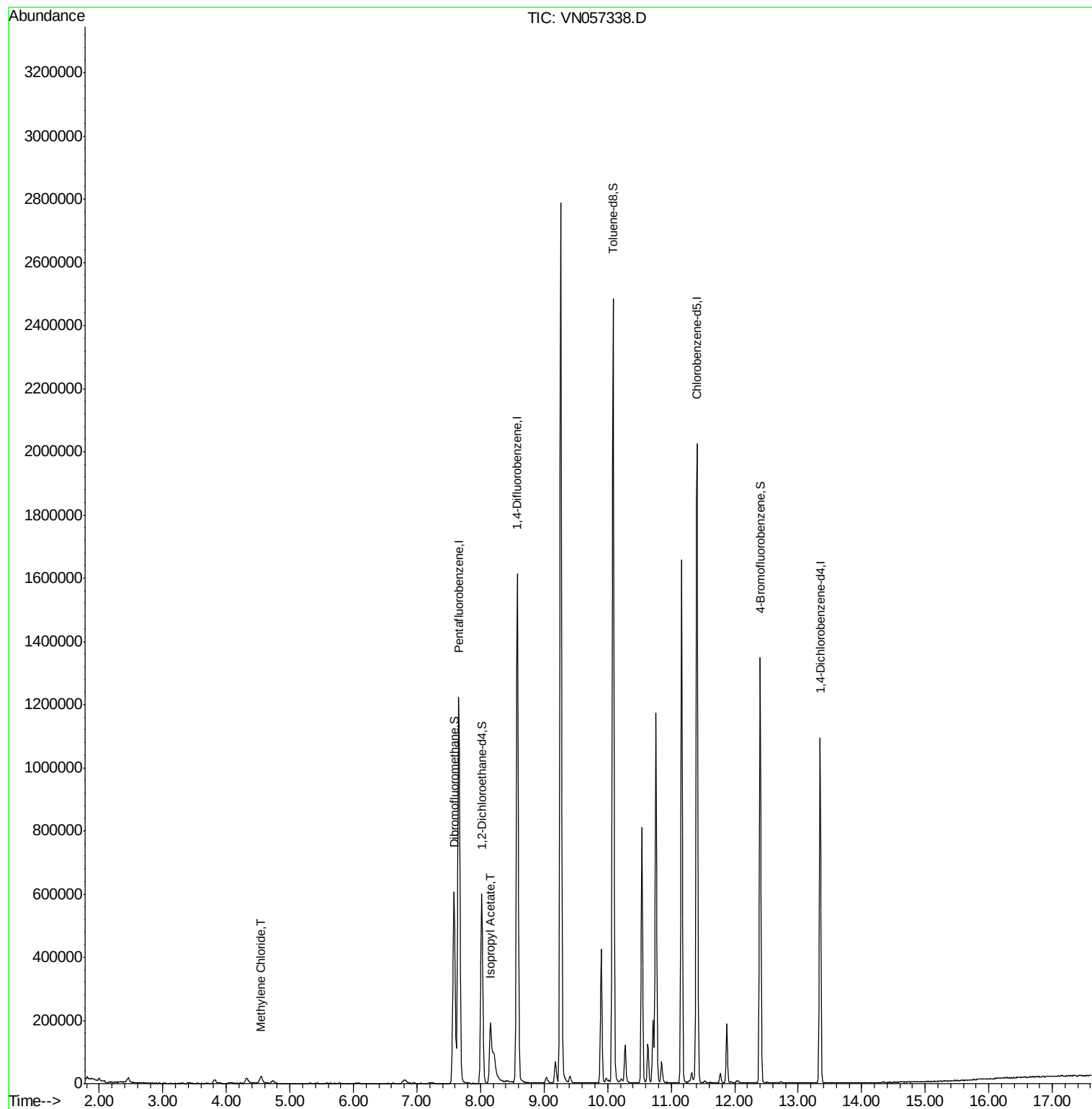
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
Data File : VN057338.D
Acq On : 15 Aug 2019 17:54
Operator : JC/SP
Sample : K4264-18
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

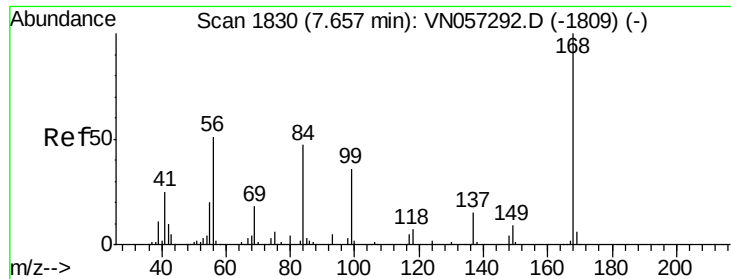
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G2-(3)

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:54:10 AM

Quant Time: Aug 16 02:34:38 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G2-(3)

Tot Ion:168 Resp: 1109893

Ion Ratio Lower Upper

168 100

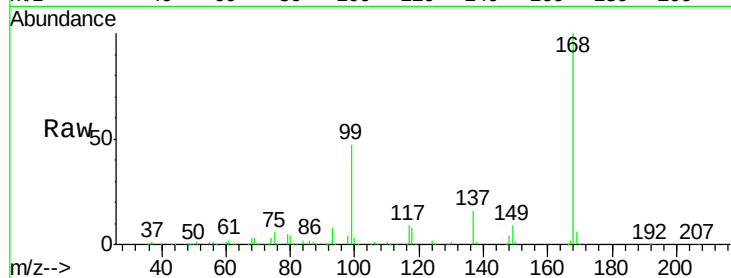
99 47.3 39.4 59.2

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

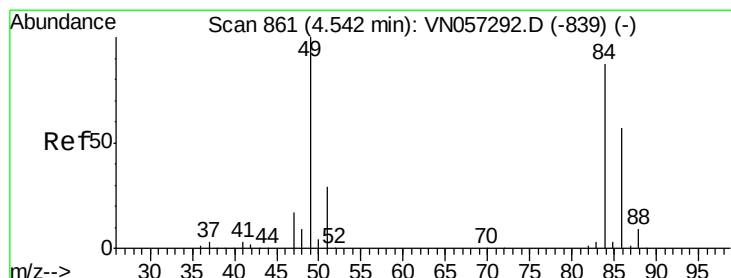
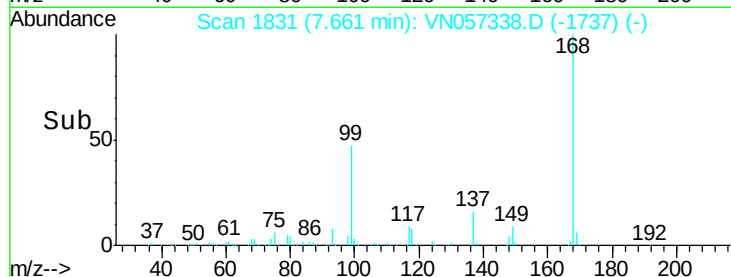
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 1.561 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.01 min

Lab File: VN057338.D

Acq: 15 Aug 2019 17:54

Tgt Ion: 84 Resp: 18279

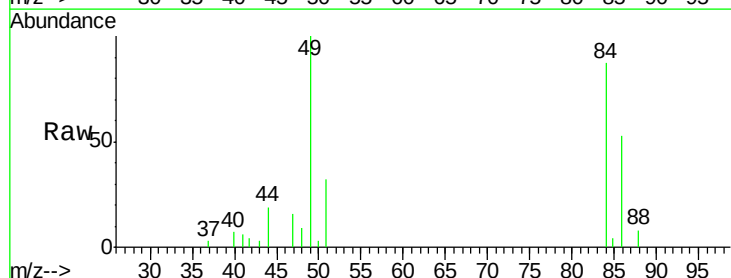
Ion Ratio Lower Upper

84 100

49 115.1 92.0 138.0

51 37.3 27.1 40.7

86 61.1 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

10000

8000

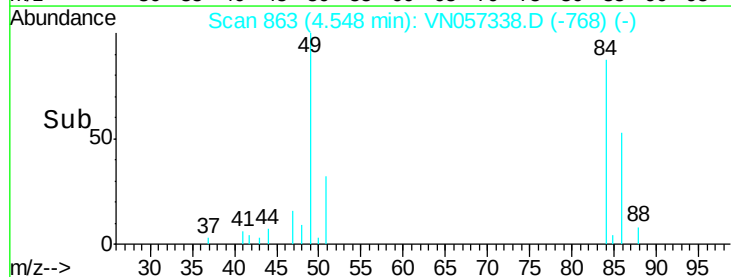
6000

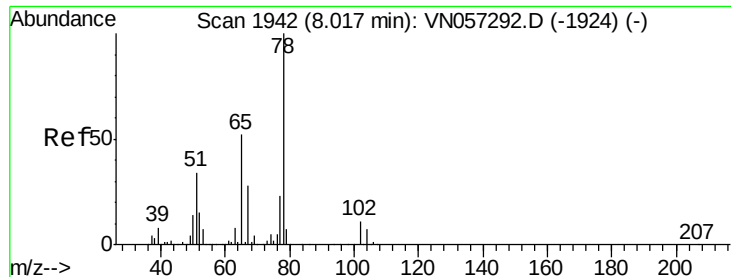
4000

2000

0

Time-->





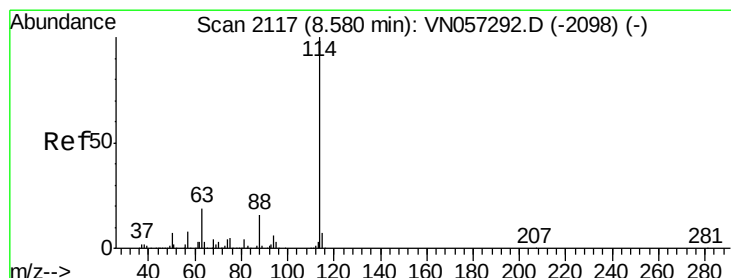
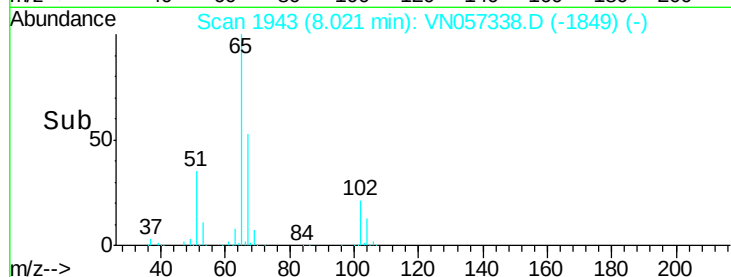
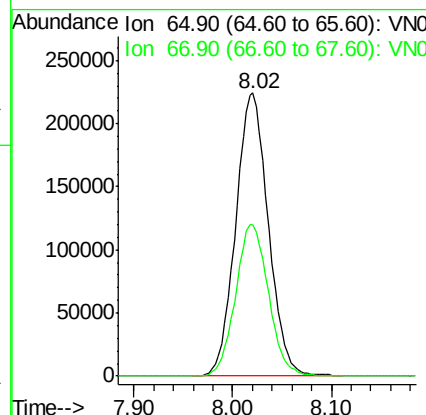
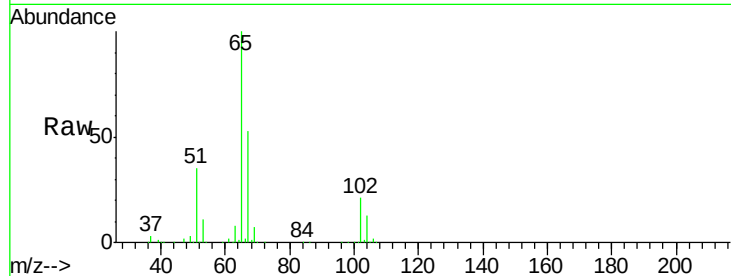
#33
 1,2-Dichloroethane-d4
 Concen: 42.711 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	515334		
67	54.0	0.0	107.4	

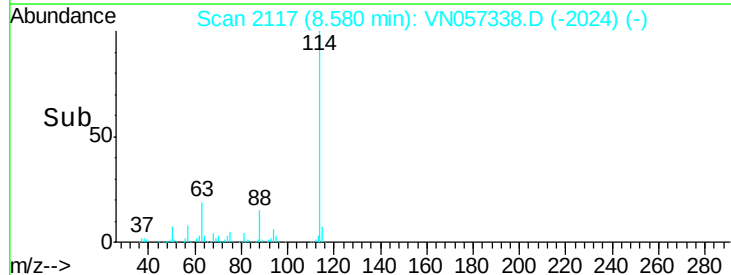
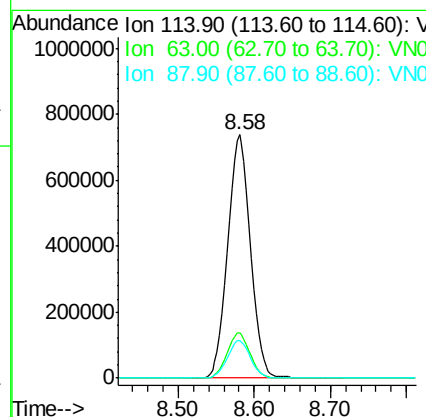
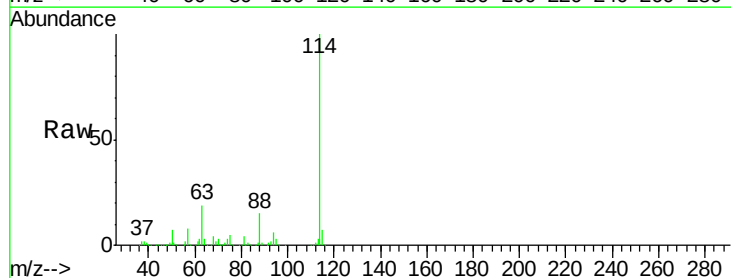
Manual Integrations
 APPROVED

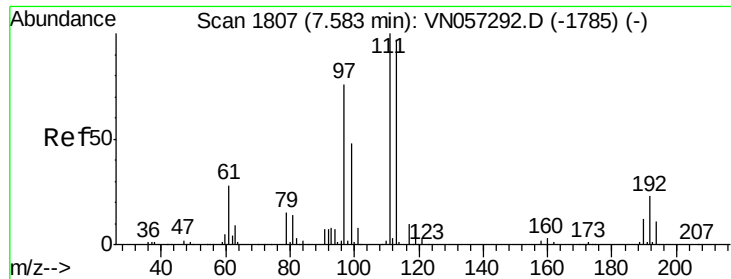
MMdadoda
 8/19/2019 1:54:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1537605		
63	18.5	0.0	38.8	
88	15.4	0.0	31.4	





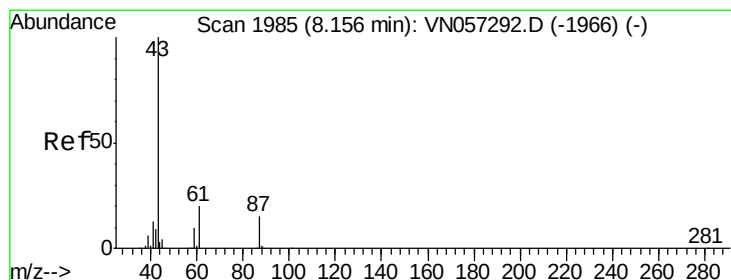
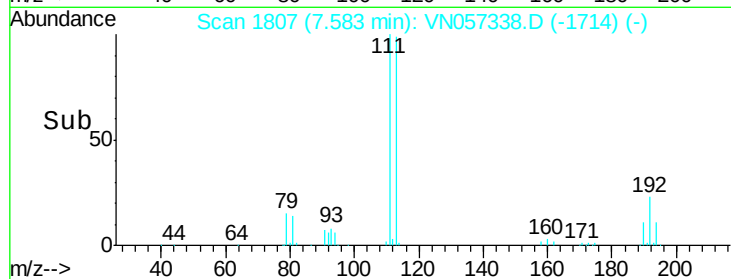
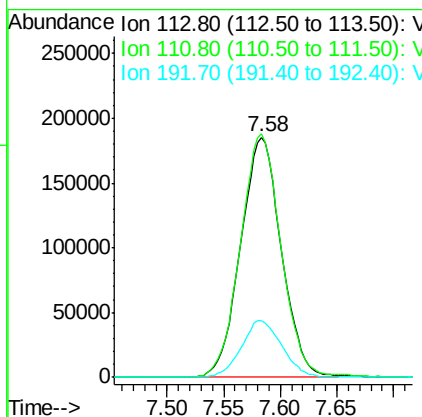
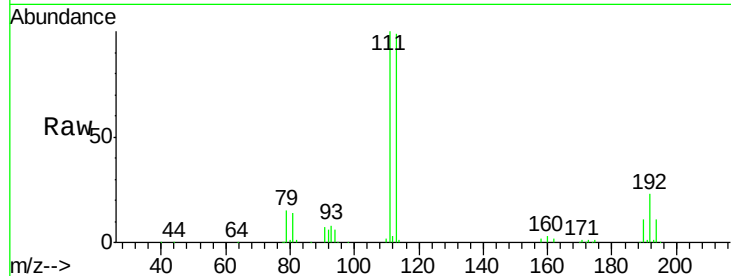
#35
 Dibromofluoromethane
 Concen: 45.900 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G2-(3)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	462641		
111	101.9	82.1	123.1	
192	23.6	19.3	28.9	

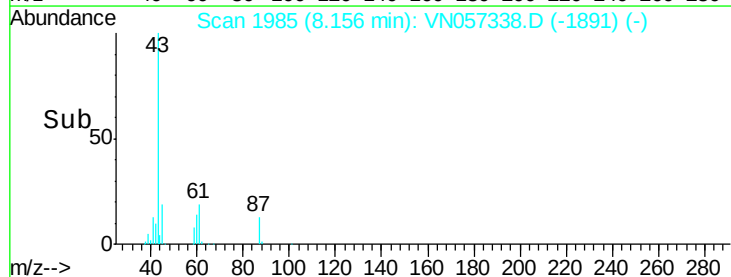
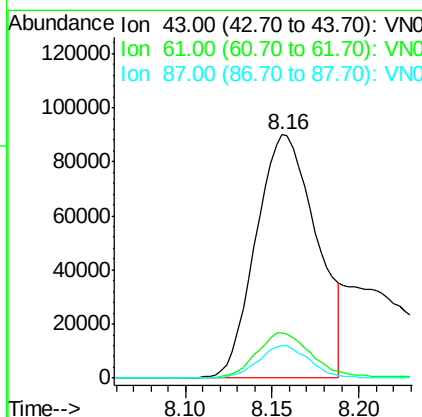
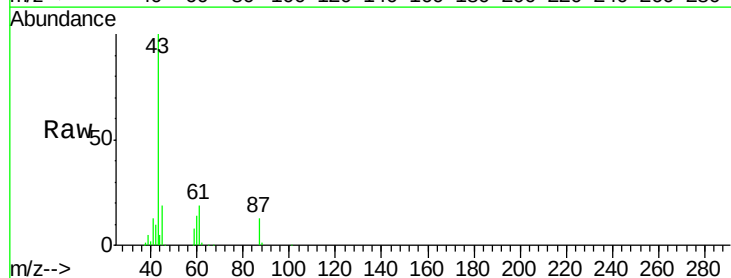
Manual Integrations
 APPROVED

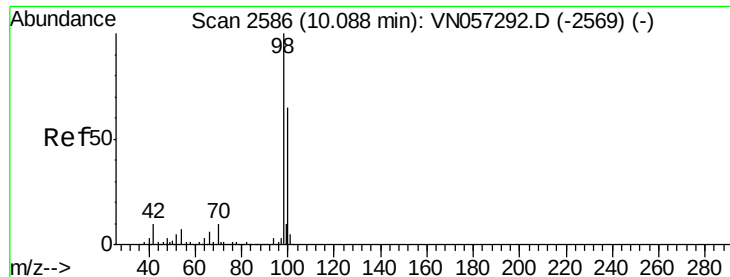
MMdadoda
 8/19/2019 1:54:10 AM



#43
 Isopropyl Acetate
 Concen: 9.852 ug/l m
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057338.D
 Acq: 15 Aug 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	218766		
61	17.6	21.6	32.4#	
87	11.3	11.4	17.0#	





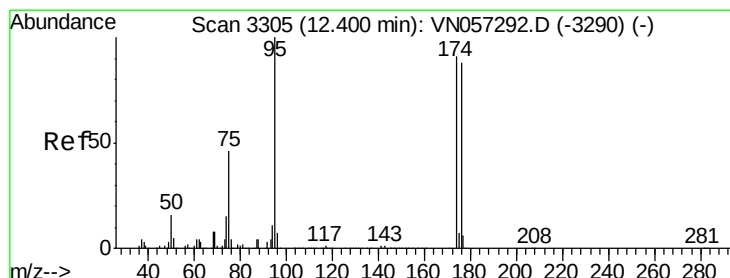
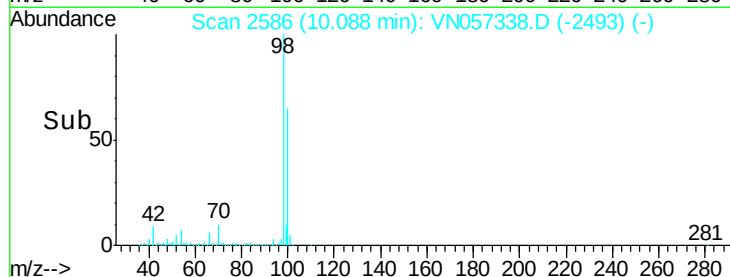
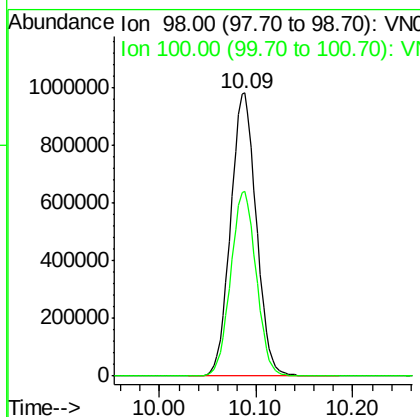
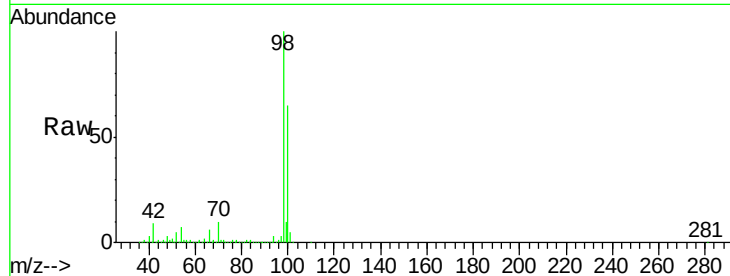
#50
Toluene-d8
Concen: 49.088 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G2-(3)

Tot Ion: 98 Resp: 1809655
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

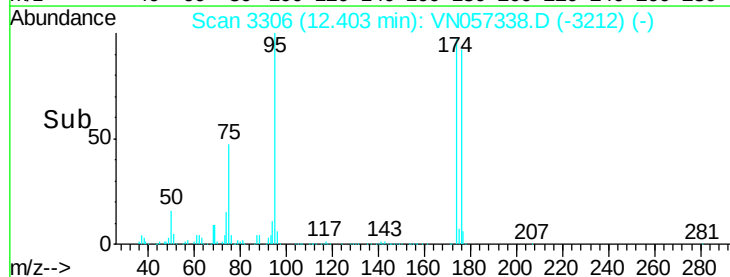
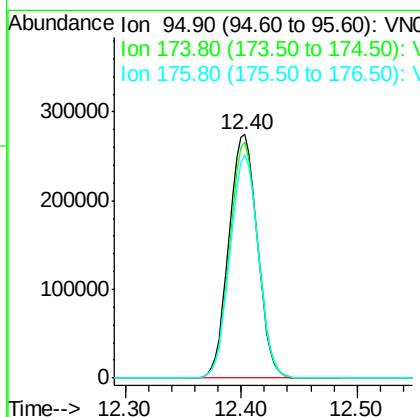
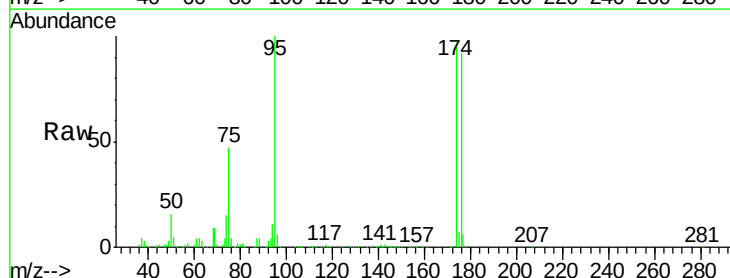
Manual Integrations
APPROVED

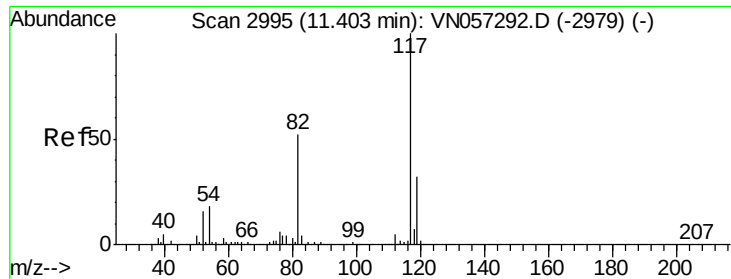
MMdadoda
8/19/2019 1:54:10 AM



#62
4-Bromofluorobenzene
Concen: 35.728 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Tgt Ion: 95 Resp: 465458
Ion Ratio Lower Upper
95 100
174 95.5 0.0 185.0
176 90.9 0.0 181.0





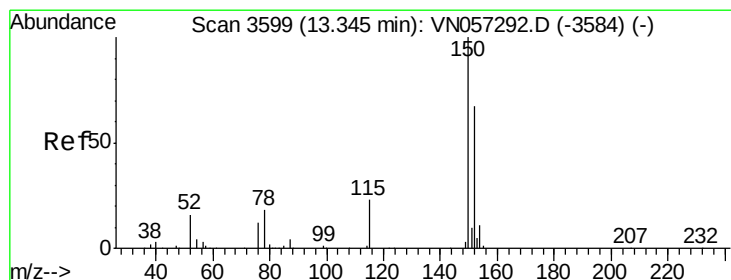
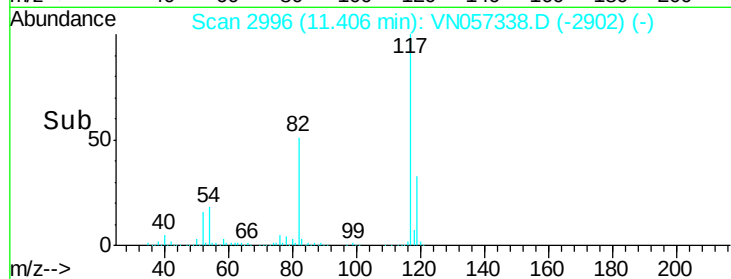
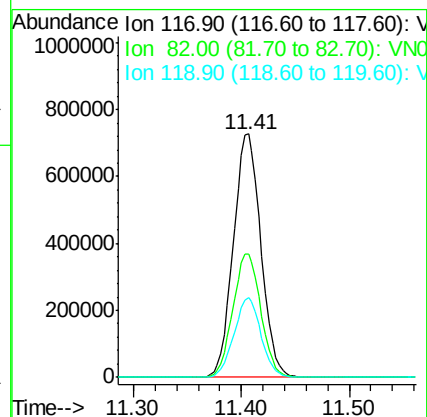
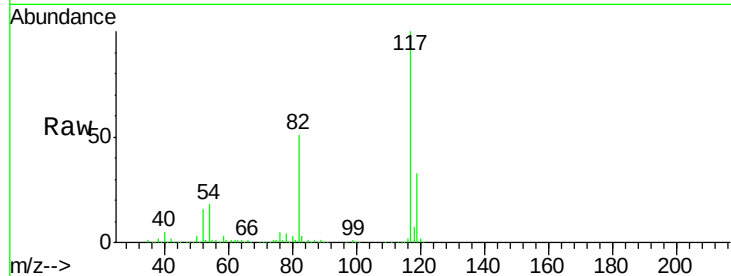
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G2-(3)

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.2	61.8
119	32.6	25.8	38.8

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:54:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057338.D
Acq: 15 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.3	81.9
150	157.0	0.0	344.4

