

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057343.D
 Acq On : 15 Aug 2019 19:55
 Operator : JC/SP
 Sample : K4265-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-C-(0)

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:12 AM

Quant Time: Aug 16 03:26:50 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	1117045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1572009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1325078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	530914	43.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.44%	
35) Dibromofluoromethane	7.58	113	468063	45.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.84%	
50) Toluene-d8	10.09	98	1825129	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.40	95	489920	36.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.56%	
Target Compounds						
20) Methylene Chloride	4.54	84	22139	1.878	ug/l	92
43) Isopropyl Acetate	8.16	43	214486m	9.401	ug/l	

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

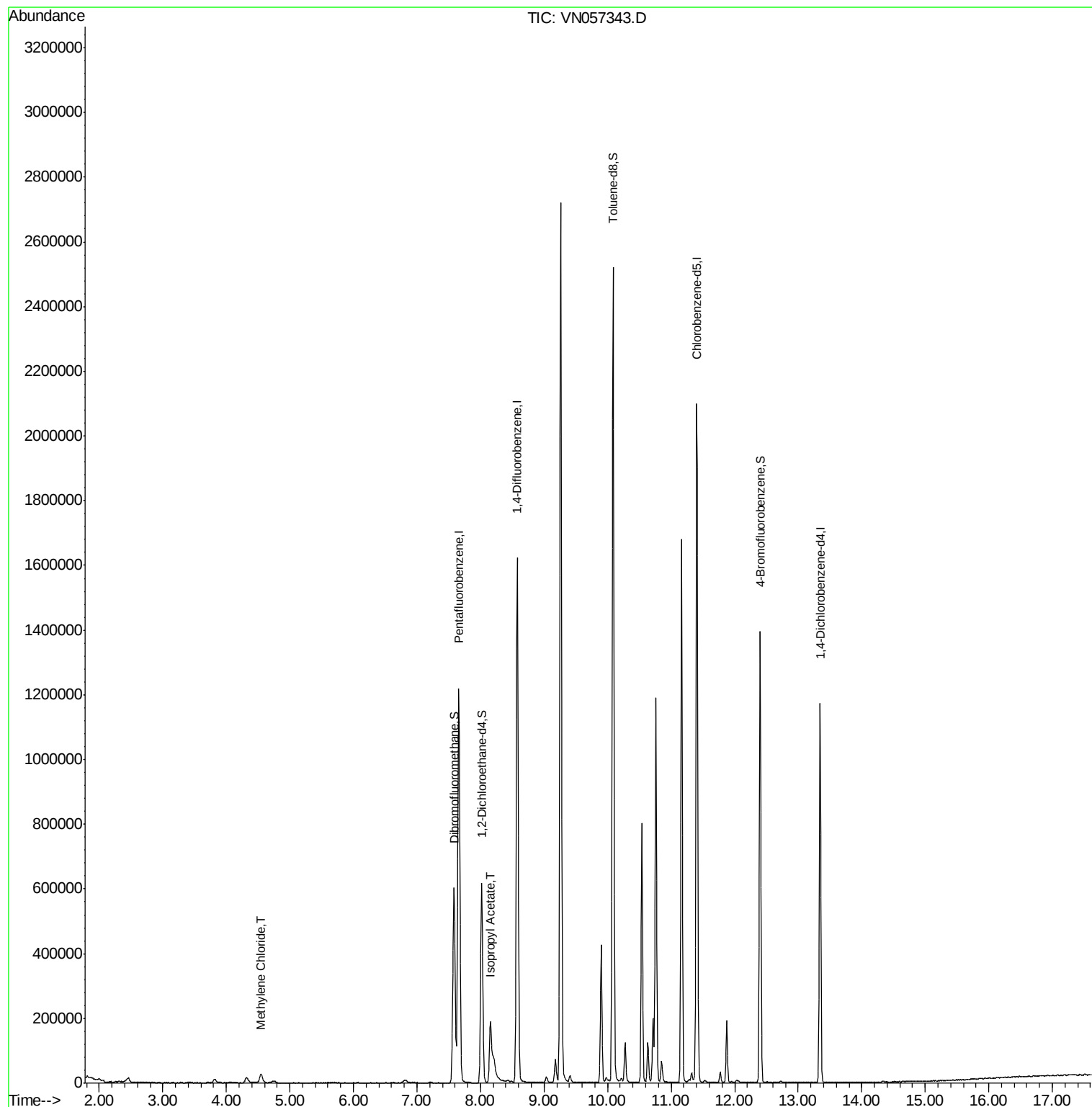
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081619\
Data File : VN057343.D
Acq On : 15 Aug 2019 19:55
Operator : JC/SP
Sample : K4265-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 28 Sample Multiplier: 1

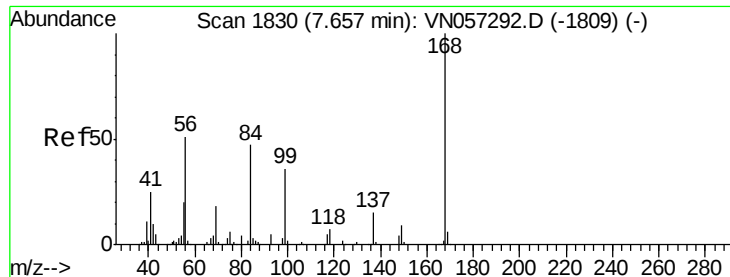
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C-(0)

Manual Integrations
APPROVED

MMDadoda
8/19/2019 1:54:12 AM

Quant Time: Aug 16 03:26:50 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: VN057343.D

Acq: 15 Aug 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-C-(0)

Tot Ion:168 Resp: 1117045

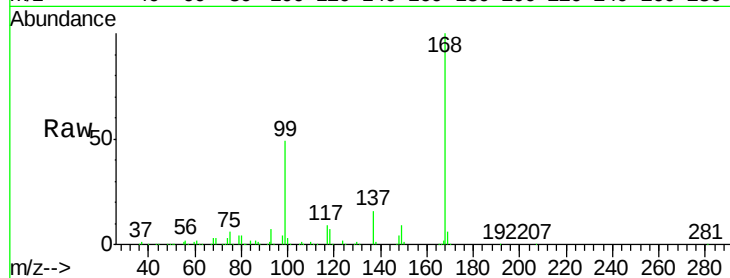
Ion Ratio Lower Upper

168 100

99 48.5 39.4 59.2

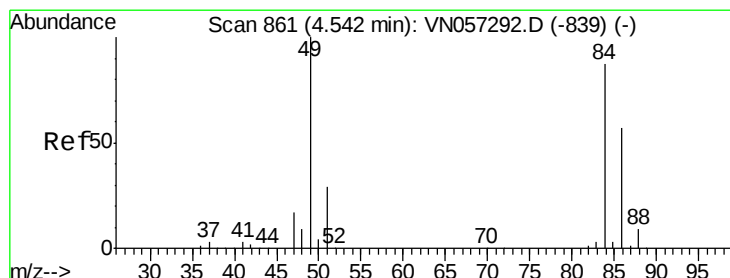
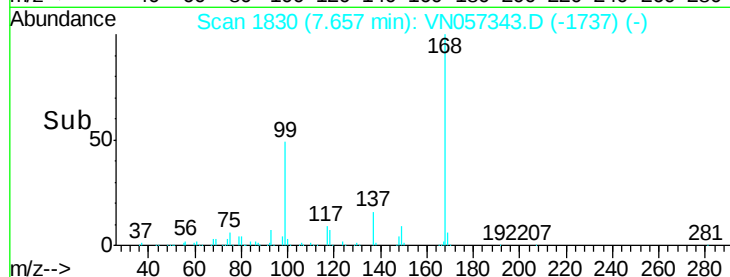
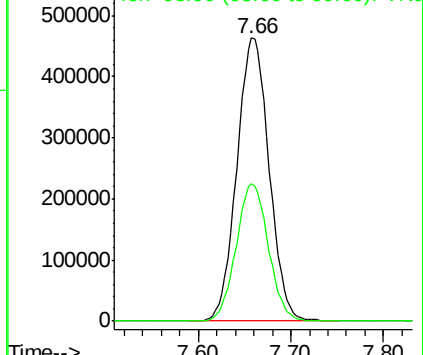
Manual Integrations
APPROVED

MMDadoda
8/19/2019 1:54:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 1.878 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN057343.D

Acq: 15 Aug 2019 19:55

Tgt Ion: 84 Resp: 22139

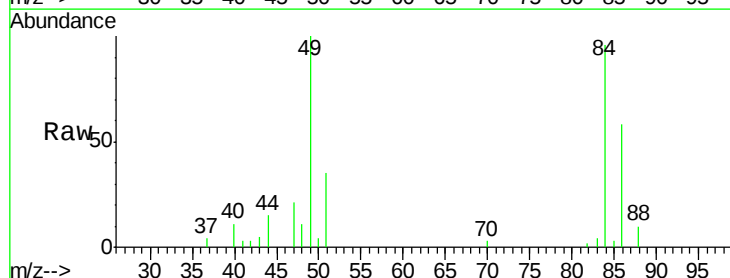
Ion Ratio Lower Upper

84 100

49 103.8 92.0 138.0

51 36.6 27.1 40.7

86 59.7 52.2 78.2

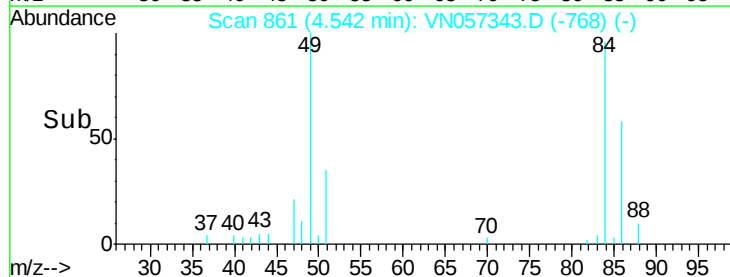
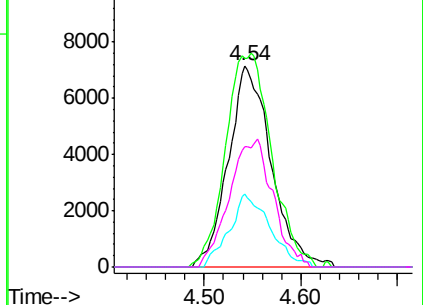


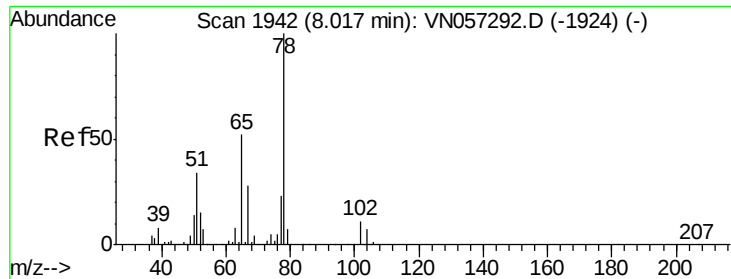
Abundance Ion 83.90 (83.60 to 84.60): VNO

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





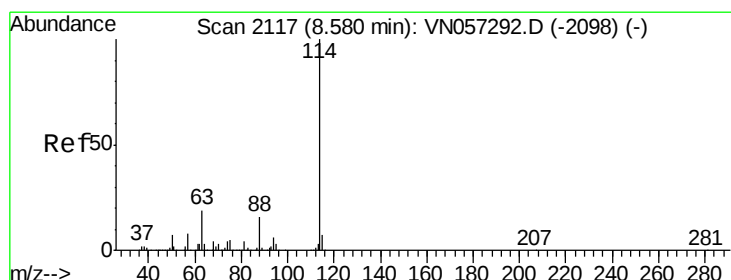
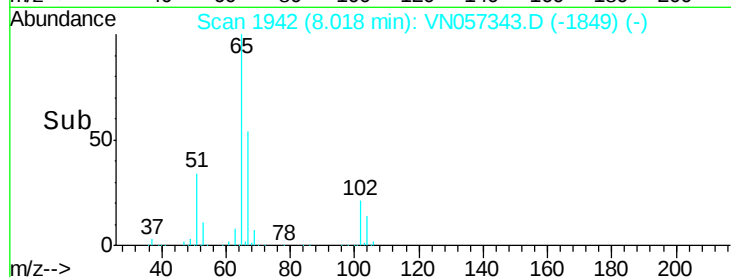
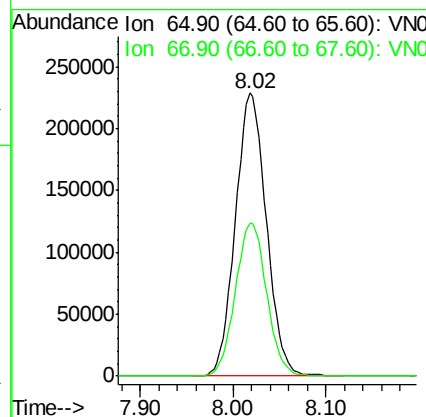
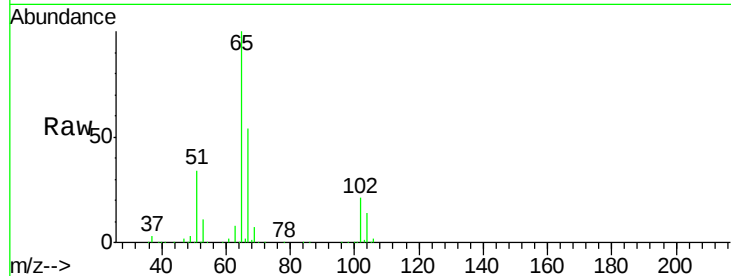
#33
 1,2-Dichloroethane-d4
 Concen: 43.720 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057343.D
 Acq: 15 Aug 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-C-(0)

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	107.4	

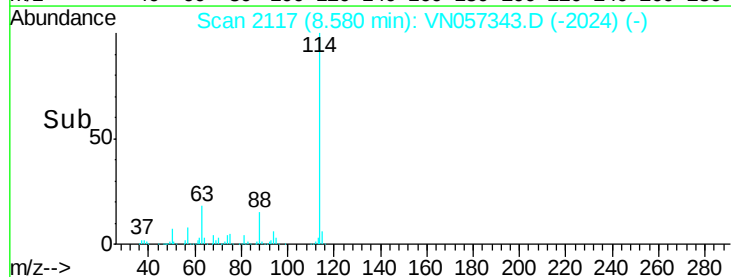
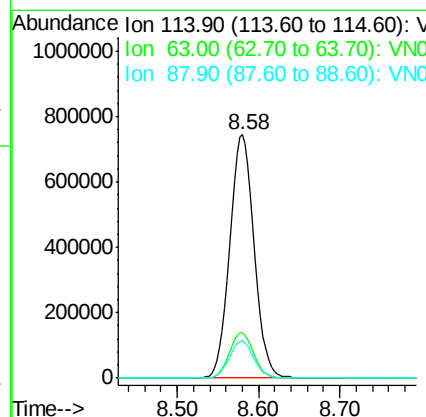
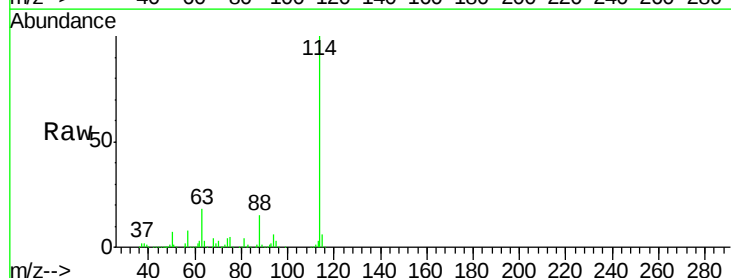
Manual Integrations
 APPROVED

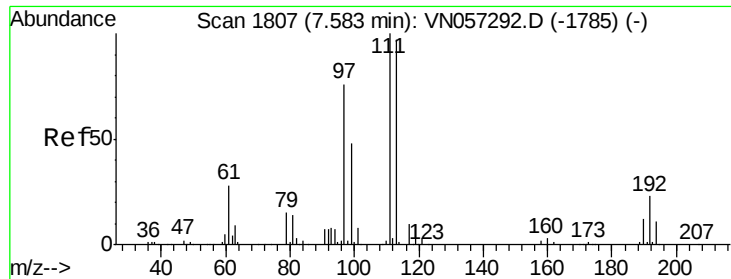
MMDadoda
 8/19/2019 1:54:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057343.D
 Acq: 15 Aug 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	38.8	
88	15.2	0.0	31.4	





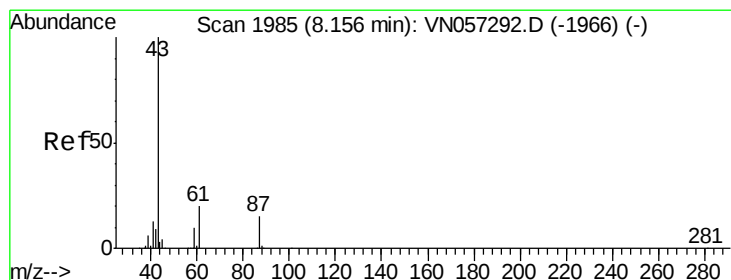
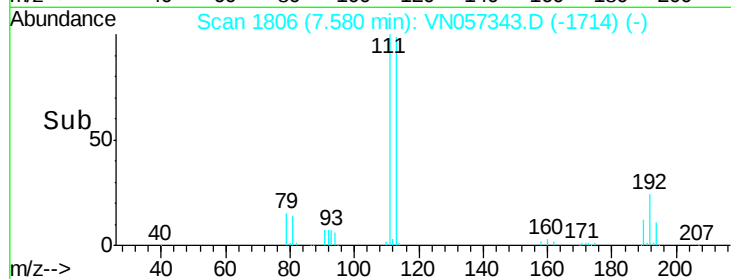
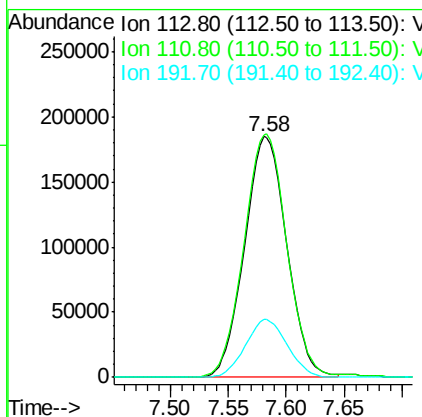
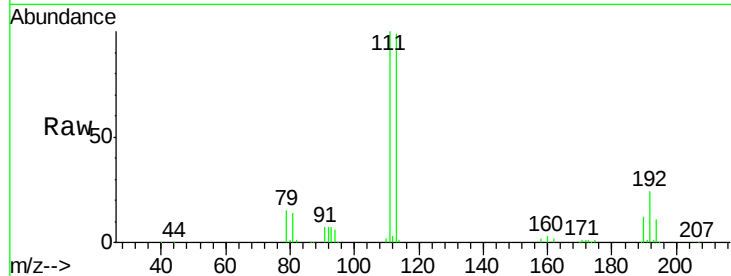
#35
 Dibromofluoromethane
 Concen: 45.422 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057343.D
 Acq: 15 Aug 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-4-C-(0)

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.1	123.1	
192	23.8	19.3	28.9	

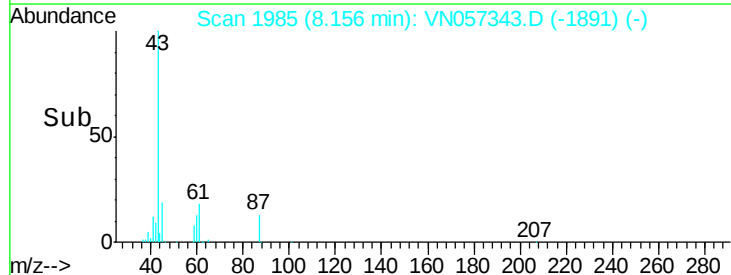
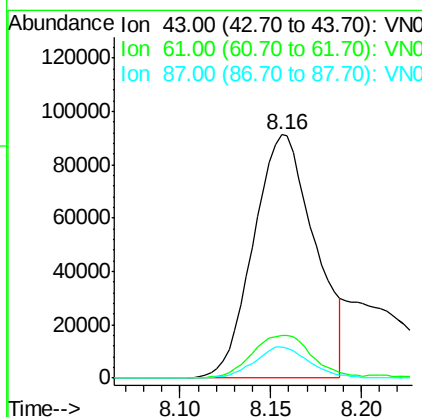
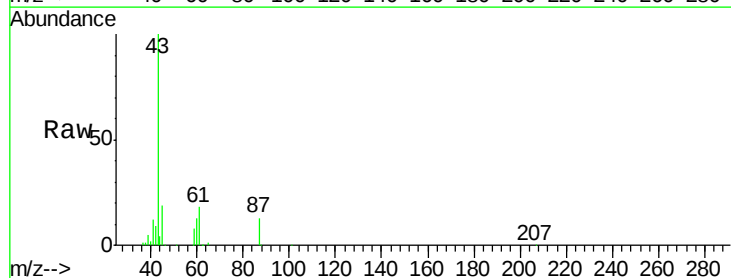
Manual Integrations
 APPROVED

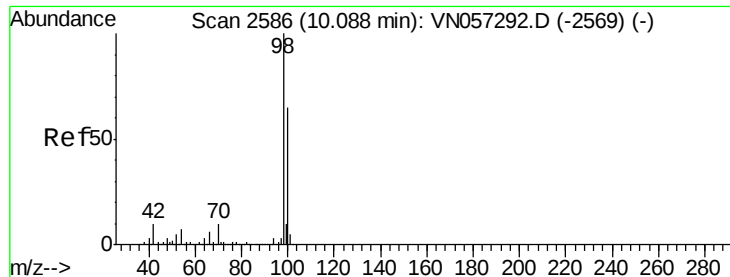
MMdadoda
 8/19/2019 1:54:12 AM



#43
 Isopropyl Acetate
 Concen: 9.401 ug/l m
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057343.D
 Acq: 15 Aug 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	17.4	21.6	32.4#	
87	11.6	11.4	17.0	





#50

Toluene-d8

Concen: 48.424 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057343.D

Acq: 15 Aug 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-4-C(0)

Tot Ion: 98 Resp: 1825129

Ion Ratio Lower Upper

98 100

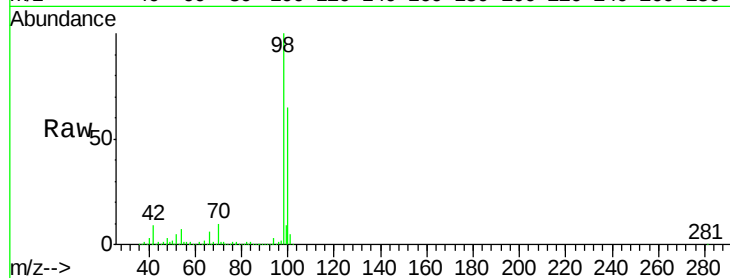
100 65.1 51.9 77.9

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:54:12 AM



Abundance Ion 98.00 (97.70 to 98.70): VN057292.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057343.D (-2493) (-)

10.09

1000000

800000

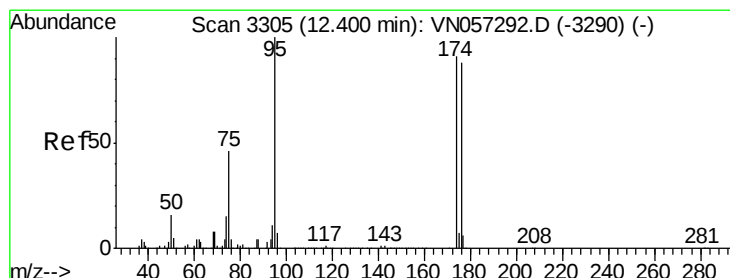
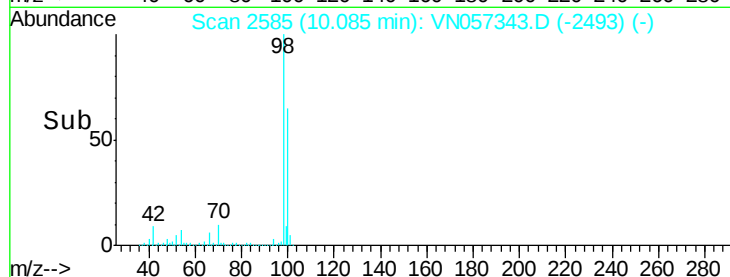
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 36.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057343.D

Acq: 15 Aug 2019 19:55

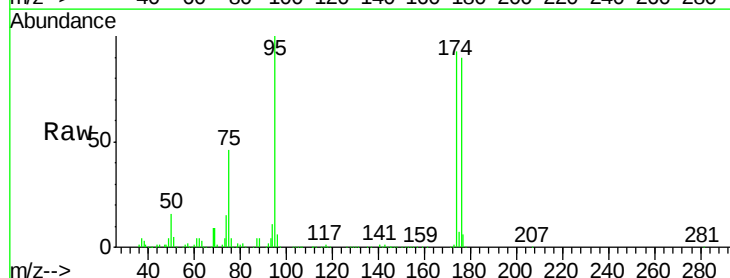
Tgt Ion: 95 Resp: 489920

Ion Ratio Lower Upper

95 100

174 94.5 0.0 185.0

176 90.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VN057292.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057343.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN057343.D (-3212) (-)

12.40

400000

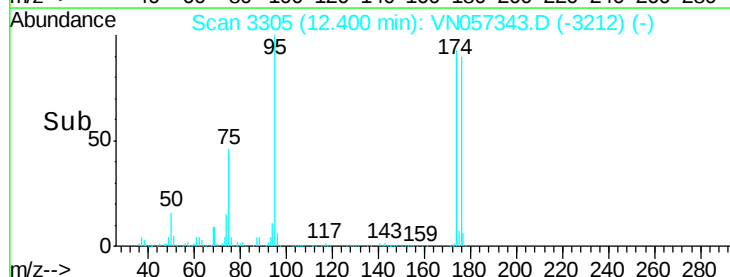
300000

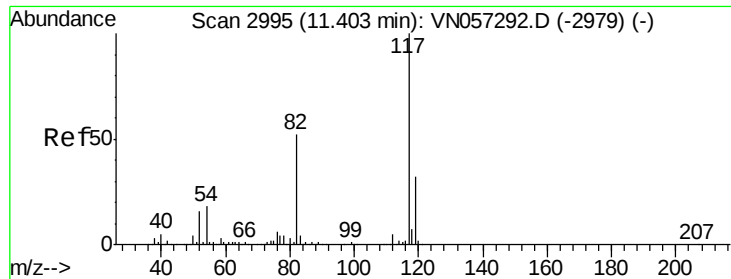
200000

100000

0

Time-->





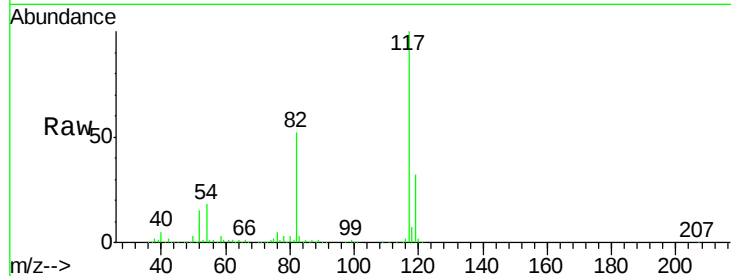
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057343.D
Acq: 15 Aug 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-4-C(0)

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.2	61.8
119	31.9	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
8/19/2019 1:54:12 AM

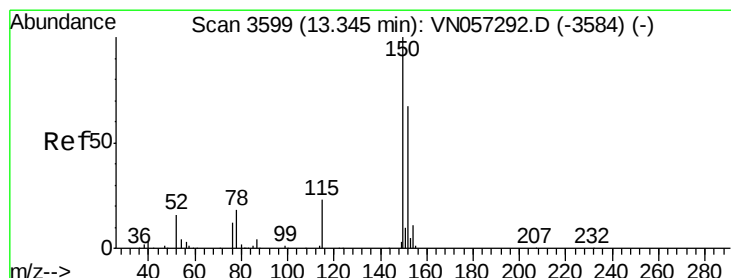
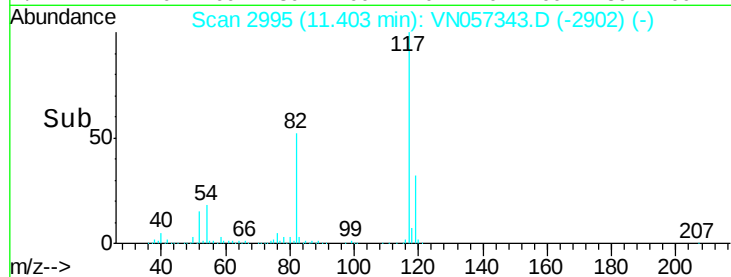
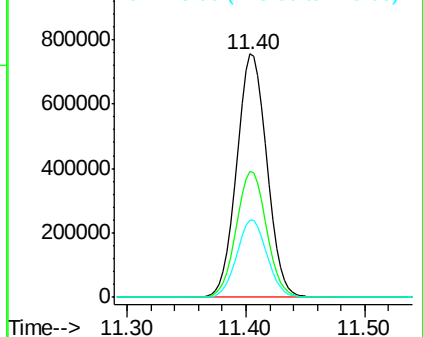


Abundance

Ion 116.90 (116.60 to 117.60): V

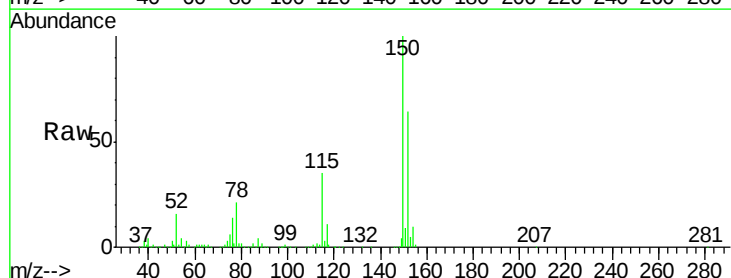
Ion 82.00 (81.70 to 82.70): V

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: VN057343.D
Acq: 15 Aug 2019 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.3	81.9
150	156.7	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

