

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057340.D
 Acq On : 15 Aug 2019 18:42
 Operator : JC/SP
 Sample : K4264-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G4-(3)

Manual Integrations
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MMdadoda
 8/19/2019 1:54:11 AM

Quant Time: Aug 16 02:39:07 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	1090279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1533843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1289474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330117	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	515705	43.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.02%	
35) Dibromofluoromethane	7.58	113	465007	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
50) Toluene-d8	10.09	98	1792968	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	474096	36.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.96%	
Target Compounds						
20) Methylene Chloride	4.55	84	19068	1.658	ug/l	98
43) Isopropyl Acetate	8.16	43	195028m	8.682	ug/l	

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

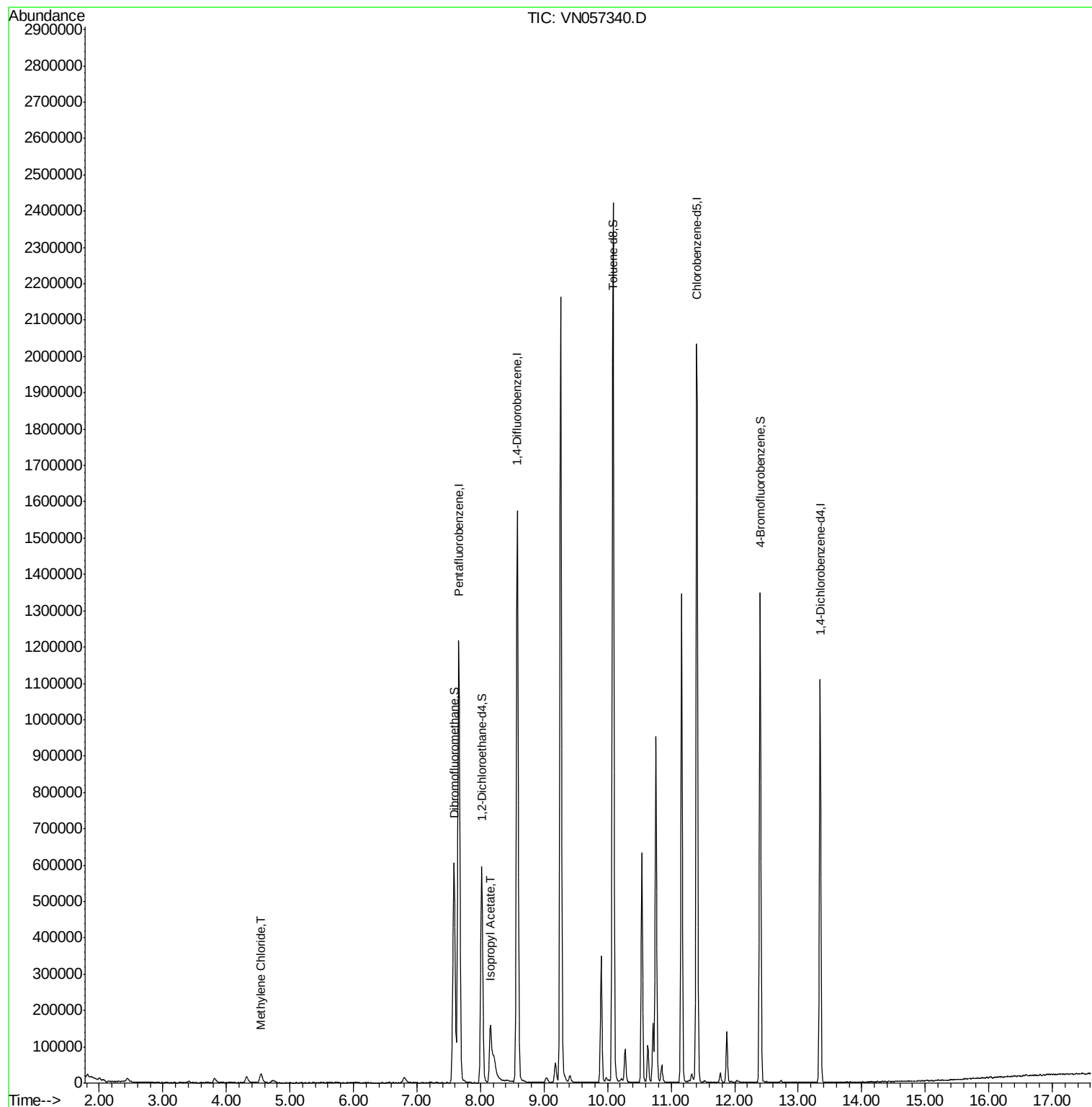
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081619\
Data File : VN057340.D
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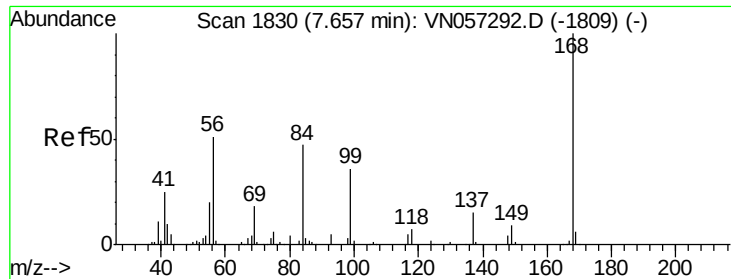
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G4-(3)

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Quant Time: Aug 16 02:39:07 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# 1831

Delta R.T. 0.00 min

Lab File: VN057340.D

Acq: 15 Aug 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G4-(3)

Tot Ion:168 Resp: 1090279

Ion Ratio Lower Upper

168 100

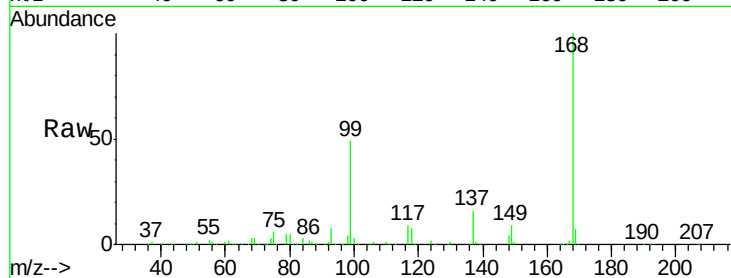
99 49.3 39.4 59.2

Manual Integrations

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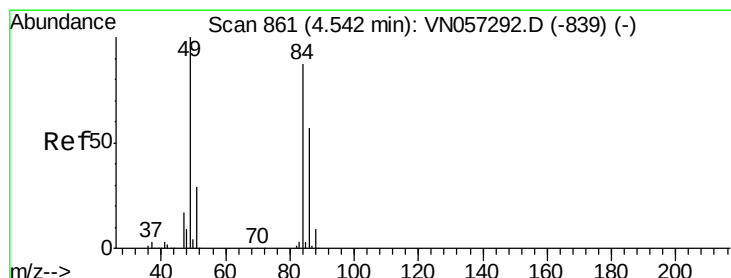
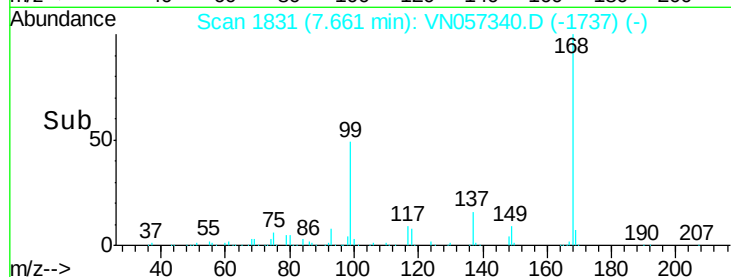
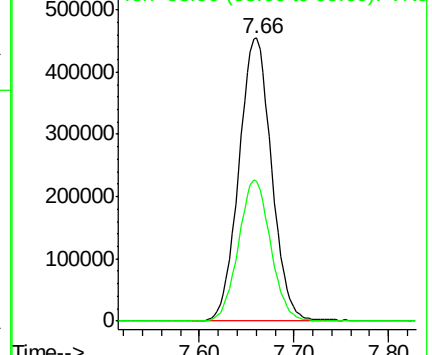
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 1.658 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN057340.D

Acq: 15 Aug 2019 18:42

Tgt Ion: 84 Resp: 19068

Ion Ratio Lower Upper

84 100

49 118.5 92.0 138.0

51 35.6 27.1 40.7

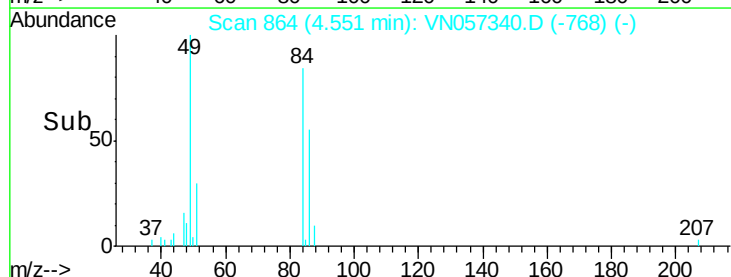
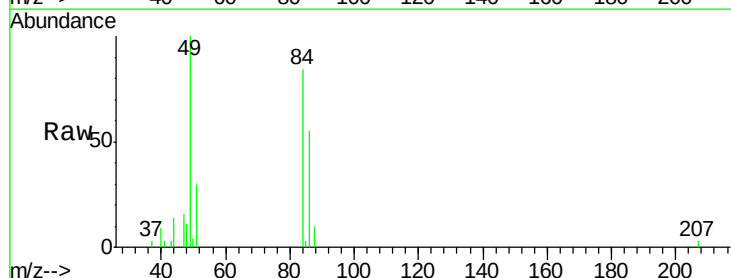
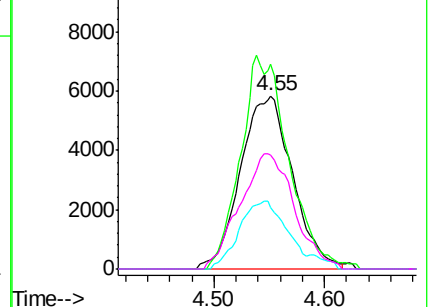
86 65.5 52.2 78.2

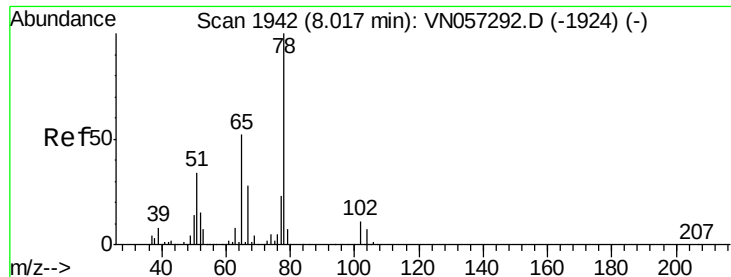
Abundance Ion 83.90 (83.60 to 84.60): VNO

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





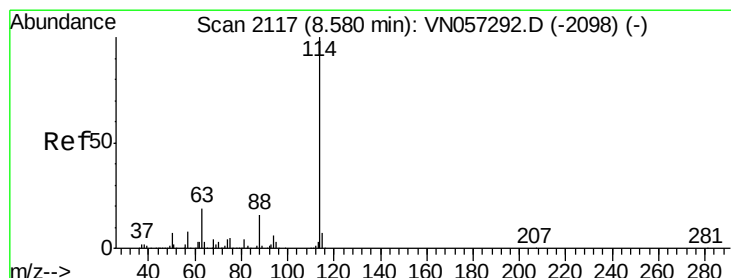
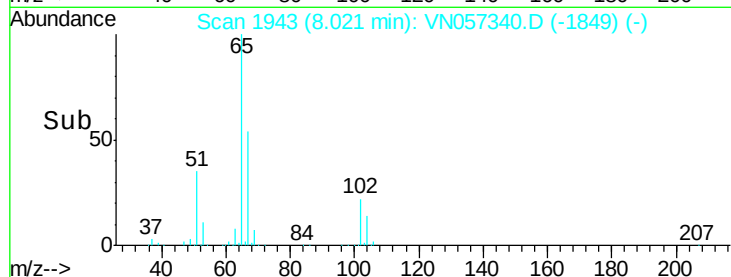
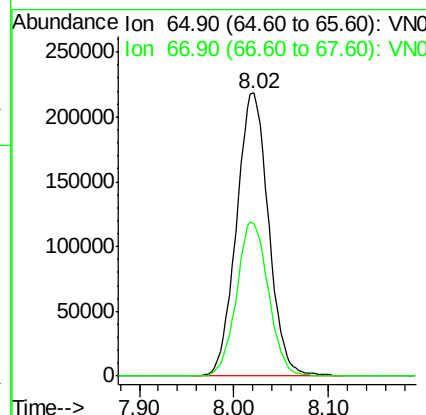
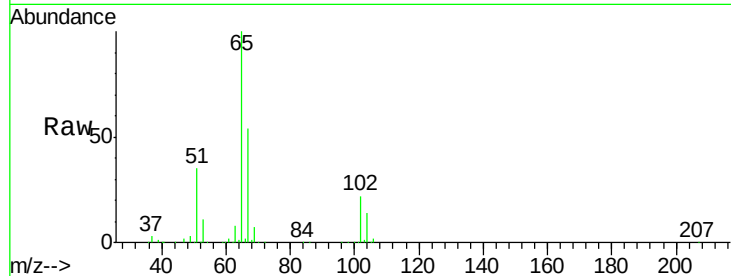
#33
 1,2-Dichloroethane-d4
 Concen: 43.510 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057340.D
 Acq: 15 Aug 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G4-(3)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	515705		
67	54.1	0.0	107.4	

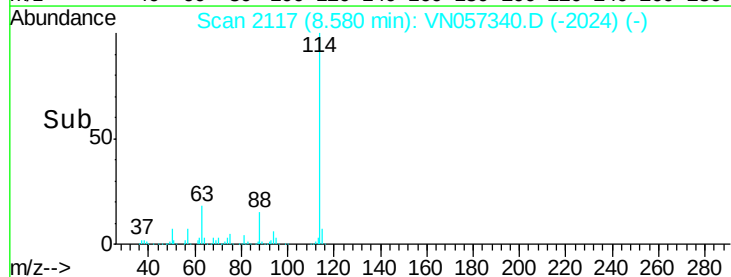
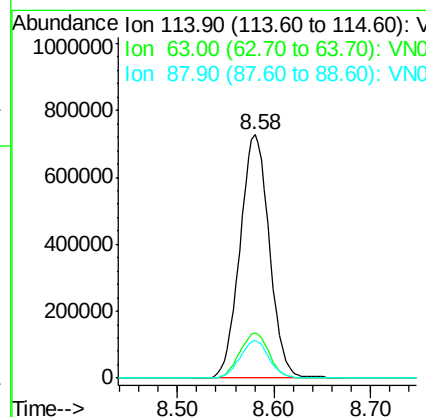
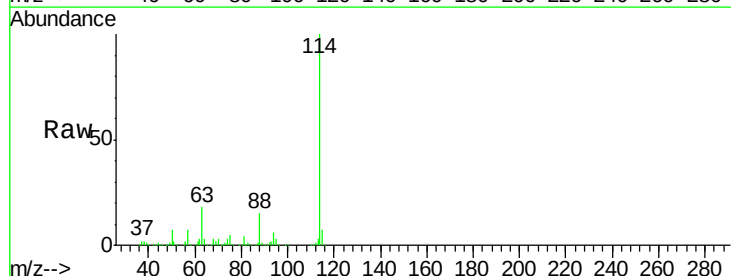
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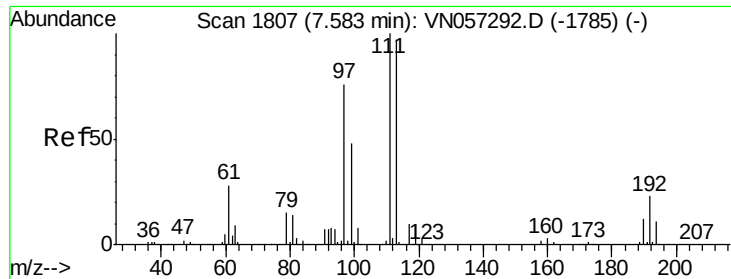
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057340.D
 Acq: 15 Aug 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1533843		
63	18.3	0.0	38.8	
88	15.2	0.0	31.4	





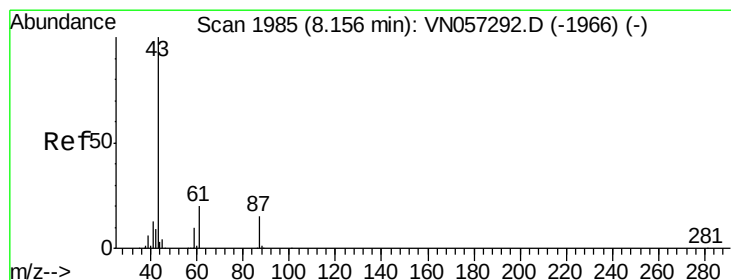
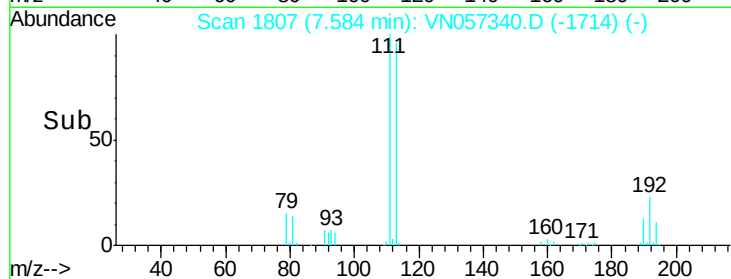
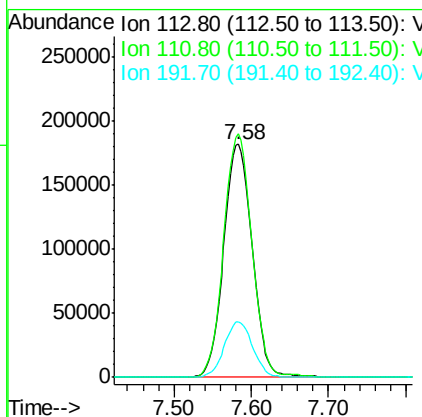
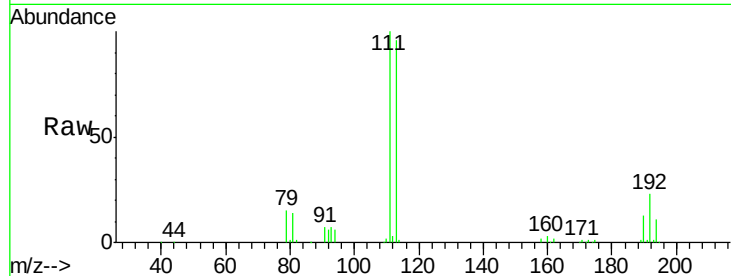
#35
 Dibromofluoromethane
 Concen: 46.248 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057340.D
 Acq: 15 Aug 2019 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-G4-(3)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	465007		
111	102.7		82.1	123.1
192	23.7		19.3	28.9

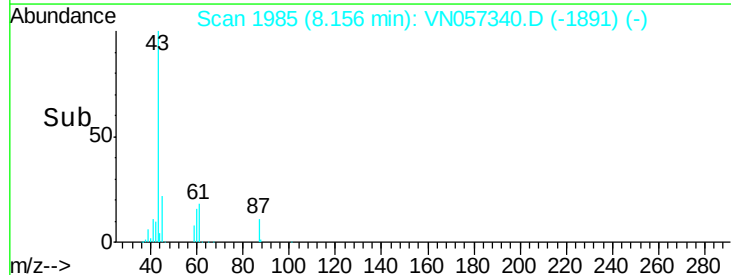
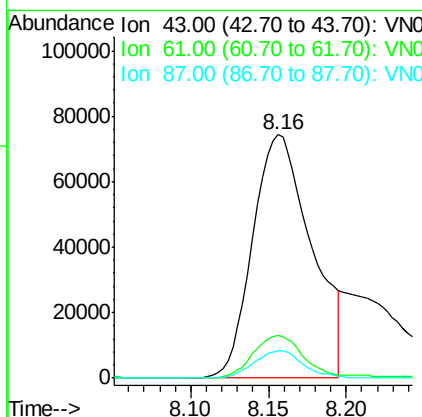
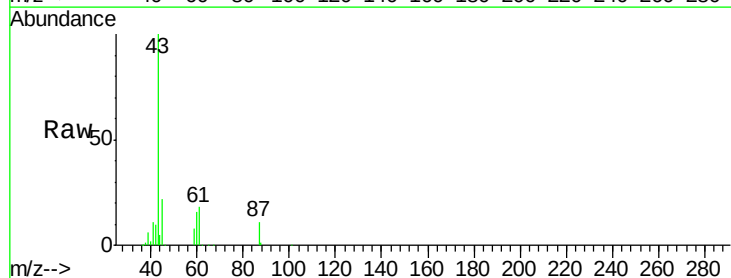
Manual Integrations
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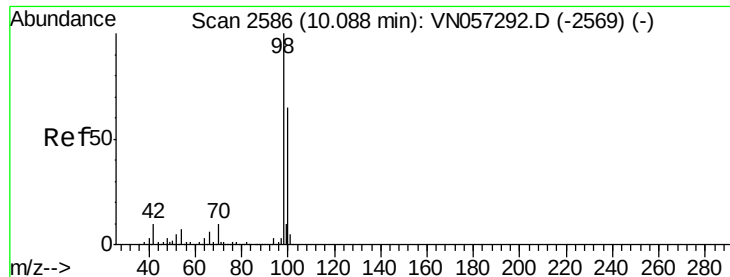
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#43
 Isopropyl Acetate
 Concen: 8.682 ug/l m
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057340.D
 Acq: 15 Aug 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	195028		
61	15.1		21.6	32.4#
87	9.4		11.4	17.0#





#50

Toluene-d8

Concen: 48.755 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057340.D

Acq: 15 Aug 2019 18:42

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-G4-(3)

Tot Ion: 98 Resp: 1792968

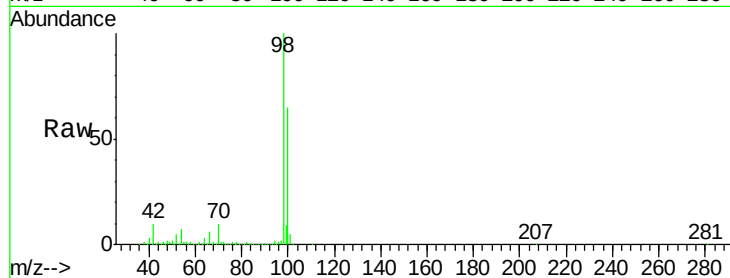
Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9

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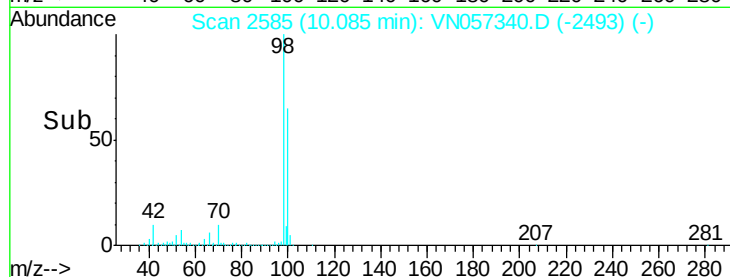
Abundance Ion 98.00 (97.70 to 98.70): VN057292.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057292.D (-2569) (-)

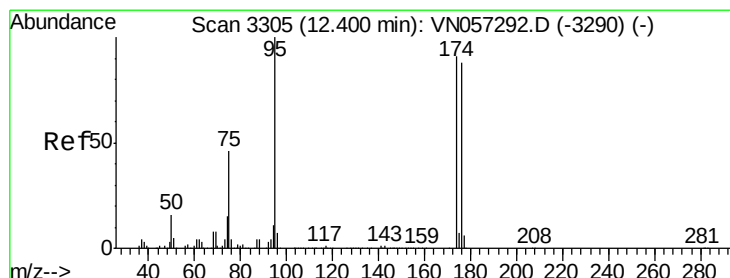
10.09

10.10

10.20



Time-->



#62

4-Bromofluorobenzene

Concen: 36.480 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057340.D

Acq: 15 Aug 2019 18:42

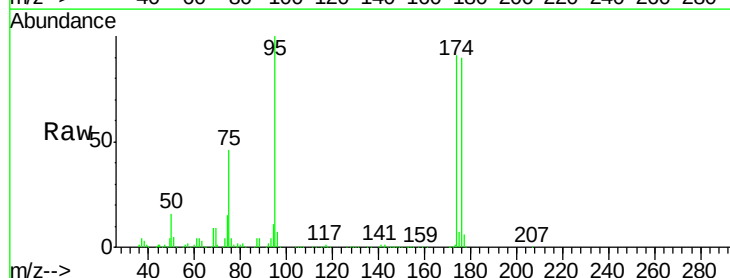
Tgt Ion: 95 Resp: 474096

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.0

176 92.3 0.0 181.0



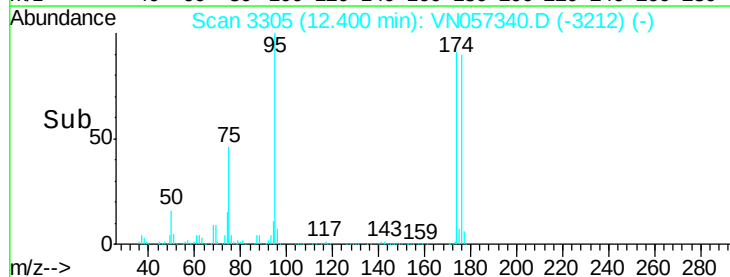
Abundance Ion 94.90 (94.60 to 95.60): VN057292.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057292.D (-3290) (-)

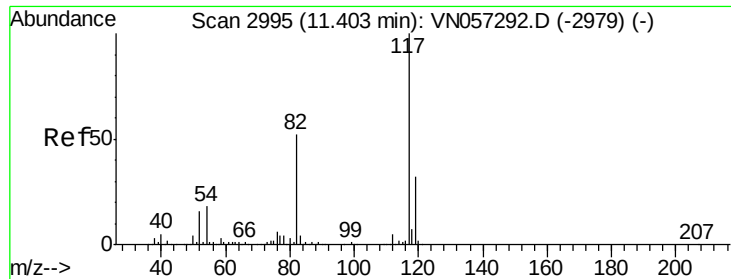
Ion 175.80 (175.50 to 176.50): VN057292.D (-3290) (-)

12.40

12.50



Time-->



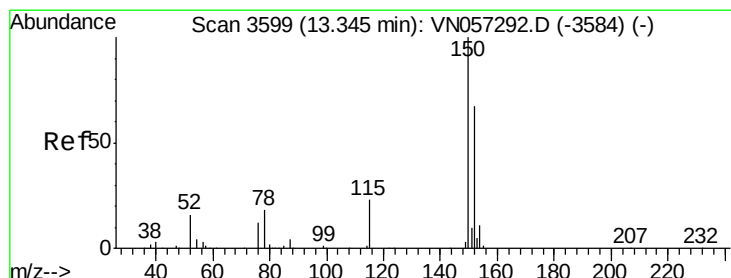
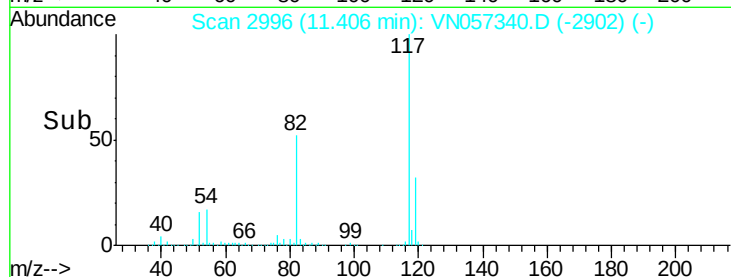
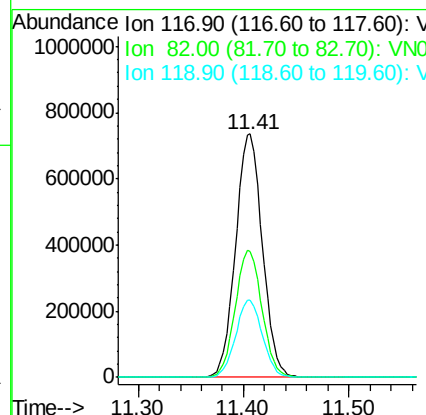
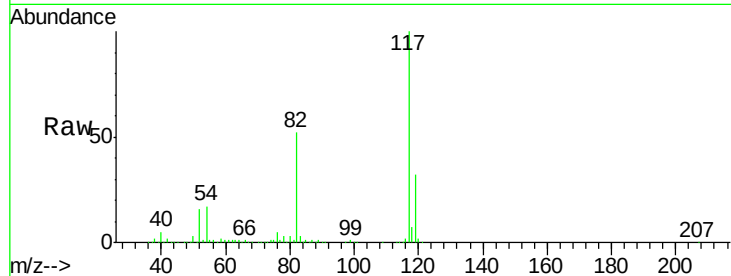
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057340.D
Acq: 15 Aug 2019 18:42

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-G4-(3)

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.2	61.8
119	31.8	25.8	38.8

Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057340.D
Acq: 15 Aug 2019 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	154.9	0.0	344.4

