

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057331.D
 Acq On : 15 Aug 2019 15:03
 Operator : JC/SP
 Sample : K4264-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C3-(3)

Quant Time: Aug 16 02:19:22 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

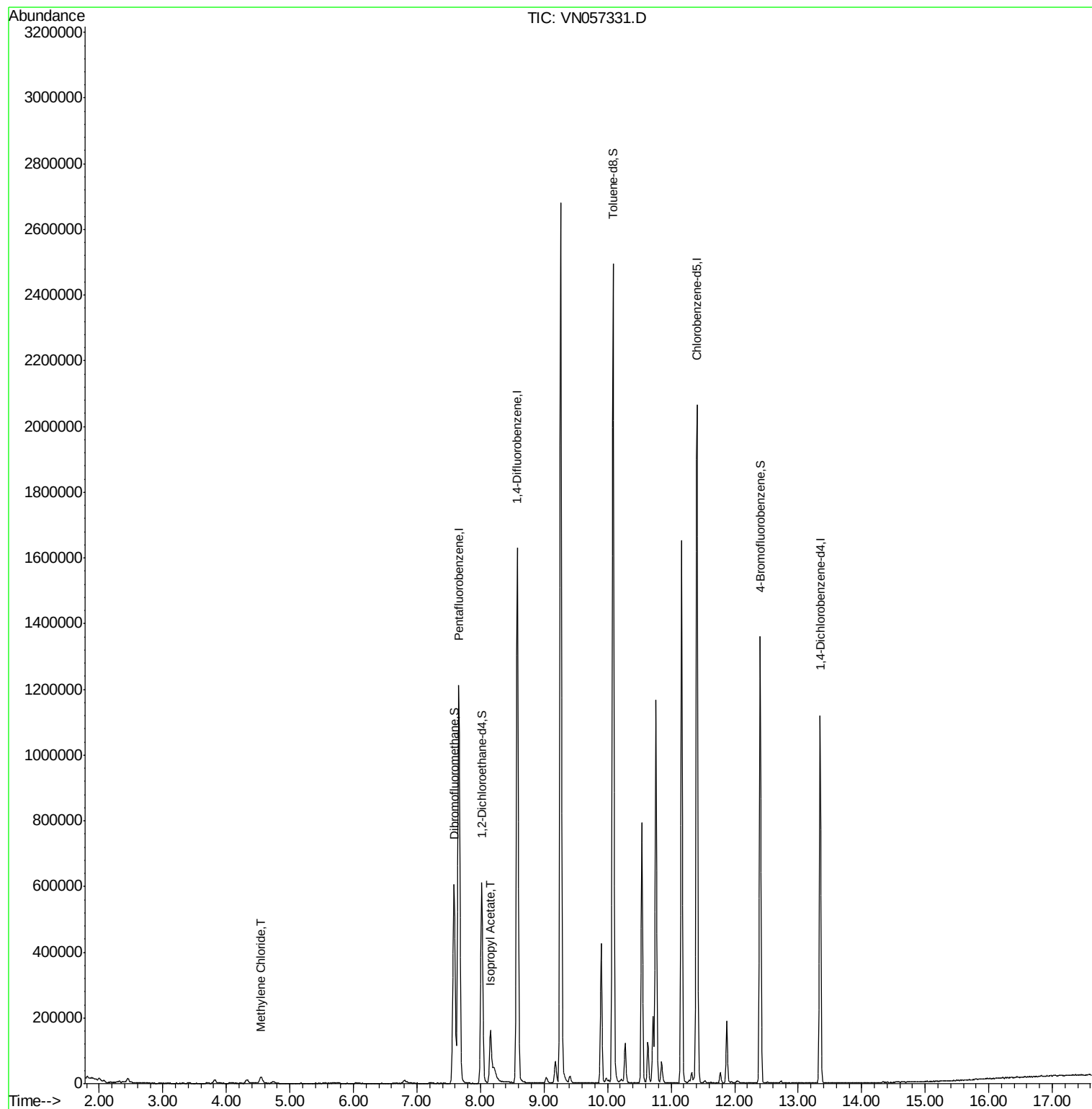
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1119785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1566444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1306762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332853	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	528362	43.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.80%	
35) Dibromofluoromethane	7.58	113	472673	46.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.06%	
50) Toluene-d8	10.09	98	1824922	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.40	95	480040	36.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.34%	
Target Compounds						
20) Methylene Chloride	4.54	84	16415	1.389	ug/l	88
43) Isopropyl Acetate	8.16	43	199277	8.687	ug/l #	88

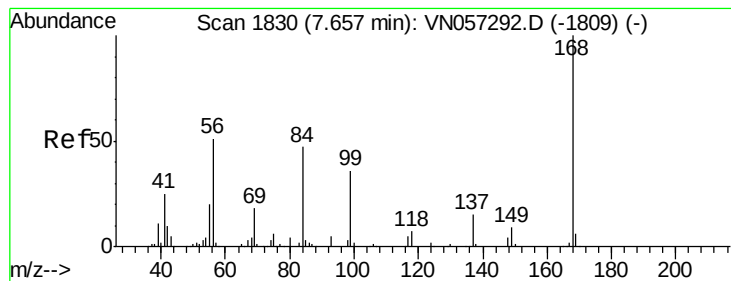
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 15 11:33:14 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057331.D

Acq: 15 Aug 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

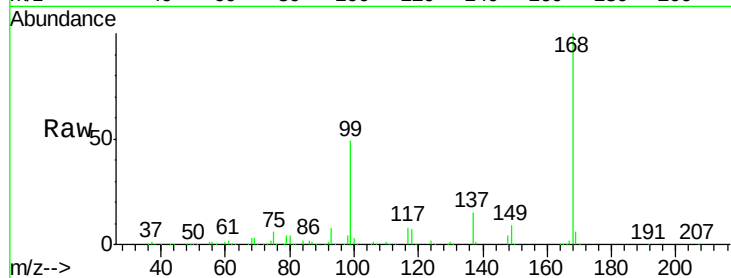
REACTOR-3-C3-(3)

Tot Ion:168 Resp: 1119785

Ion Ratio Lower Upper

168 100

99 48.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

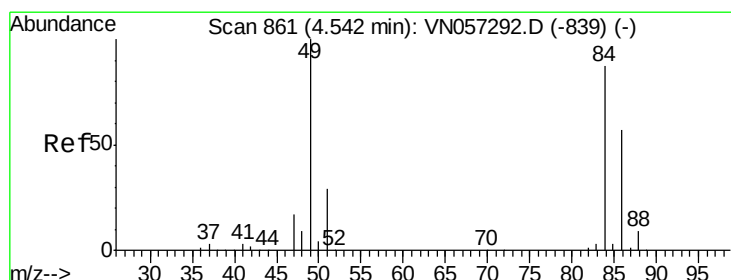
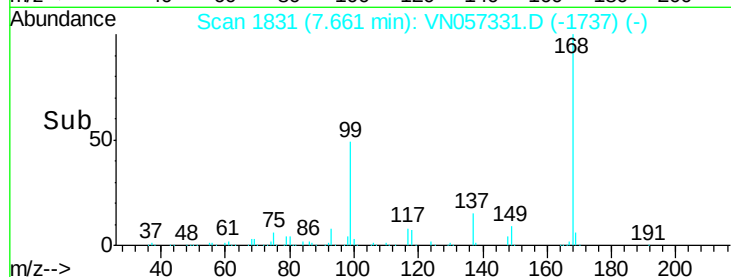
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 1.389 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN057331.D

Acq: 15 Aug 2019 15:03

Tgt Ion: 84 Resp: 16415

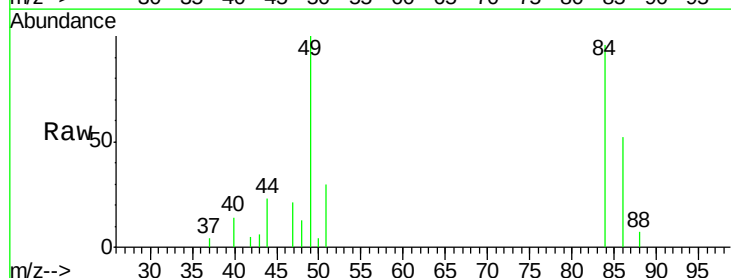
Ion Ratio Lower Upper

84 100

49 100.6 92.0 138.0

51 30.6 27.1 40.7

86 54.0 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

8000

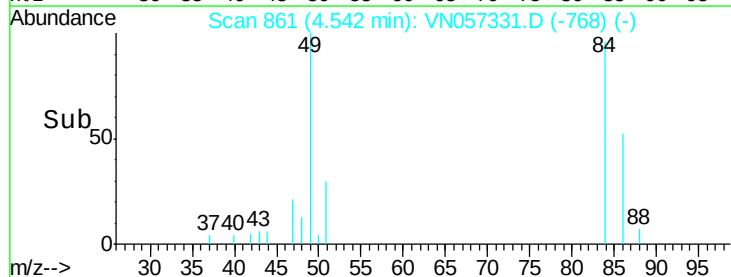
6000

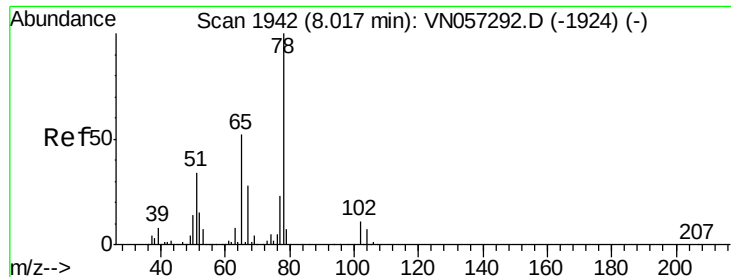
4000

2000

0

Time-->

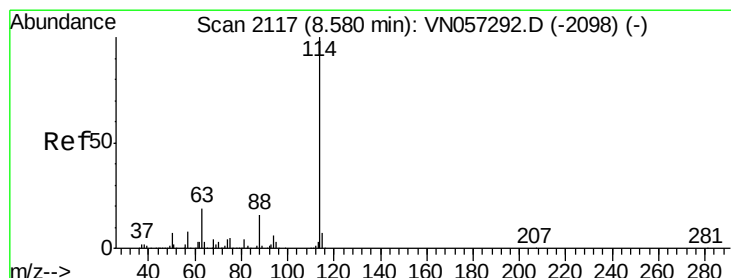
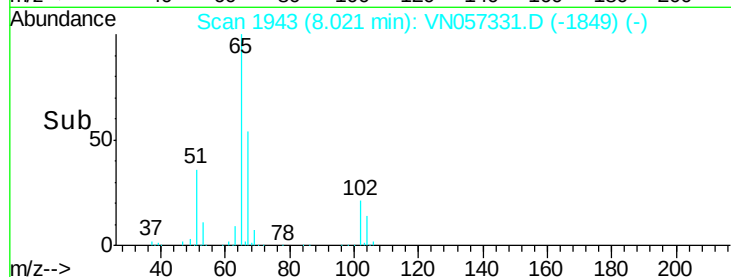
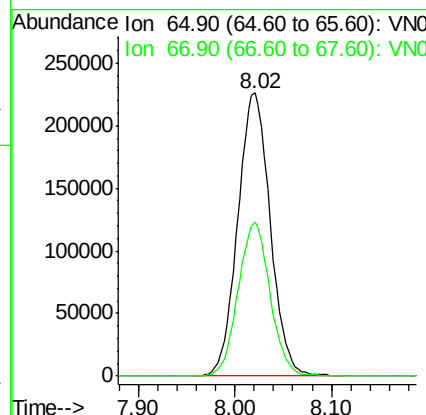
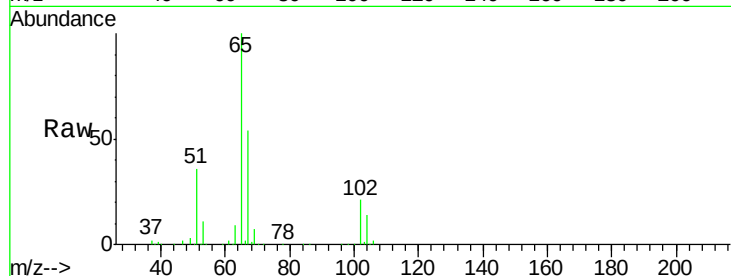




#33
 1,2-Dichloroethane-d4
 Concen: 43.403 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057331.D
 Acq: 15 Aug 2019 15:03

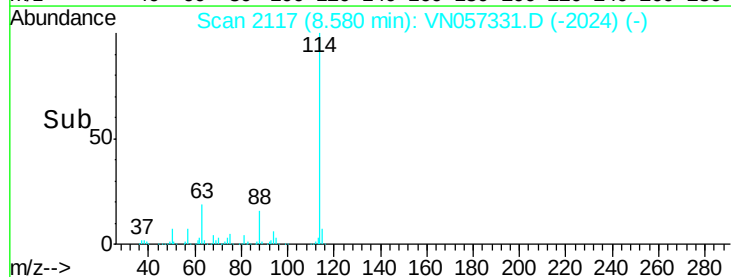
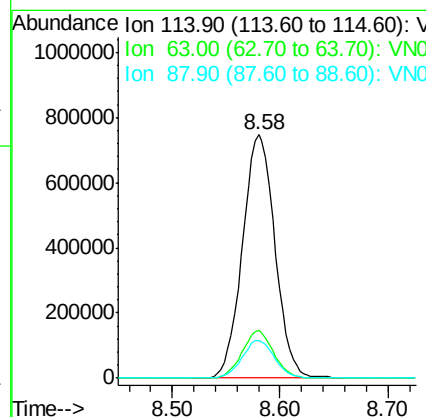
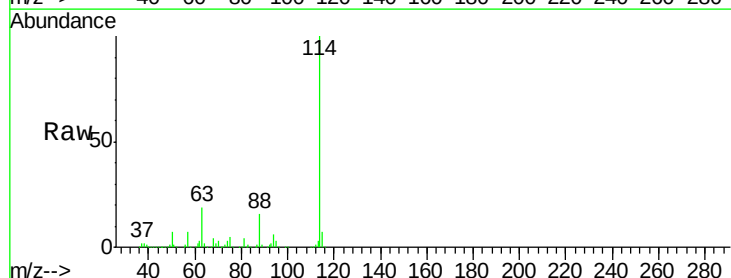
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C3-(3)

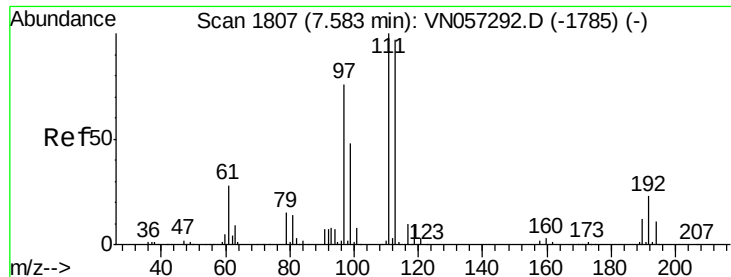
Tot Ion: 65 Resp: 528362
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057331.D
 Acq: 15 Aug 2019 15:03

Tgt Ion: 114 Resp: 1566444
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.5 0.0 31.4

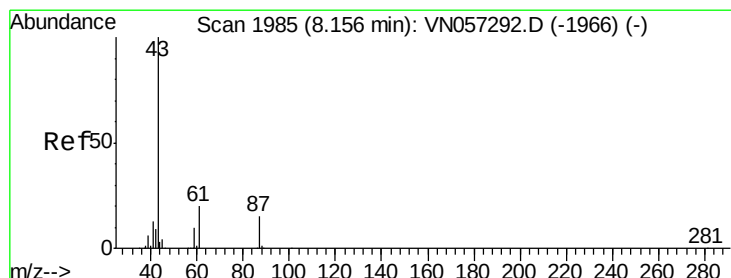
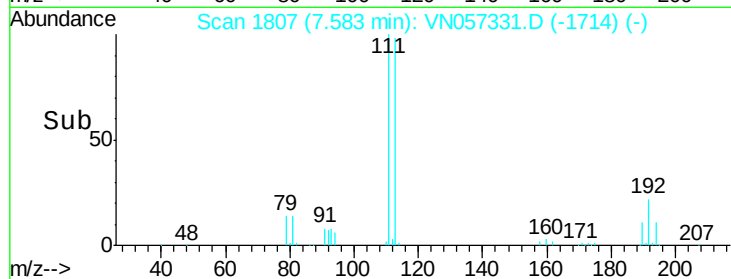
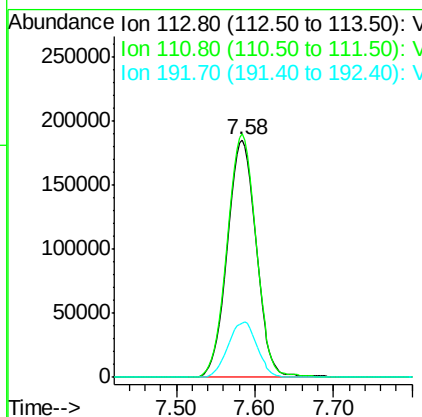
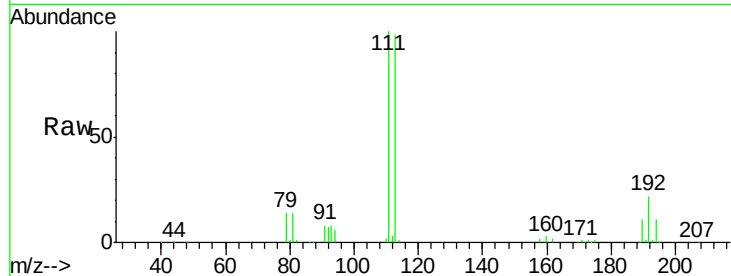




#35
 Dibromofluoromethane
 Concen: 46.032 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057331.D
 Acq: 15 Aug 2019 15:03

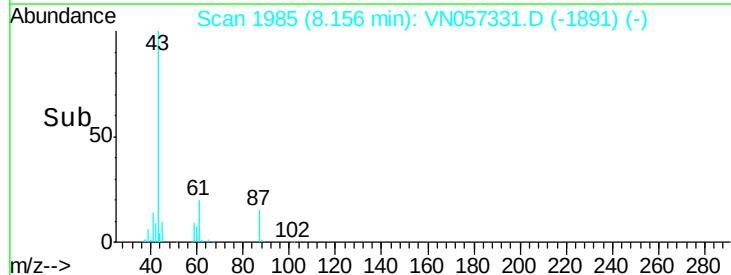
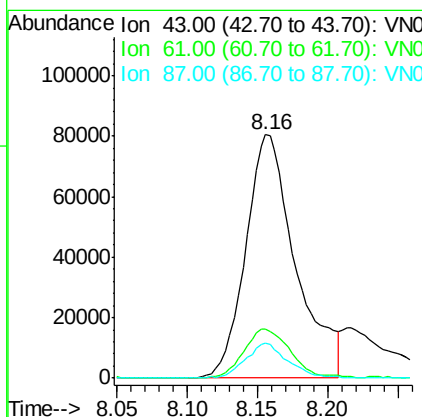
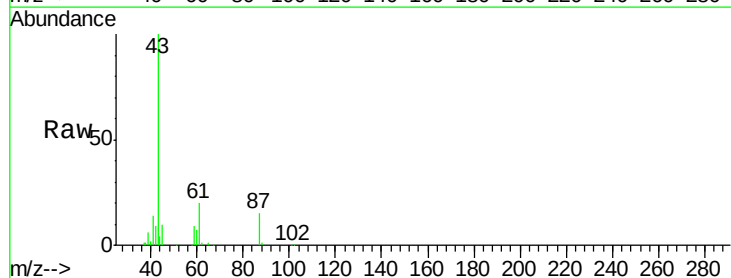
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-C3-(3)

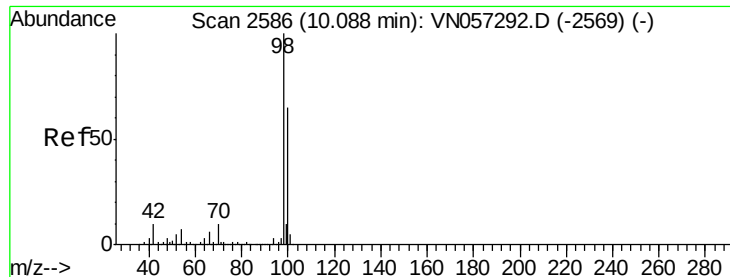
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.1	123.1
192	23.5	19.3	28.9



#43
 Isopropyl Acetate
 Concen: 8.687 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057331.D
 Acq: 15 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.9	21.6	32.4#
87	12.1	11.4	17.0

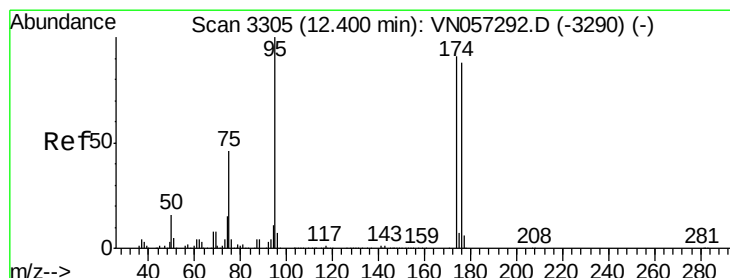
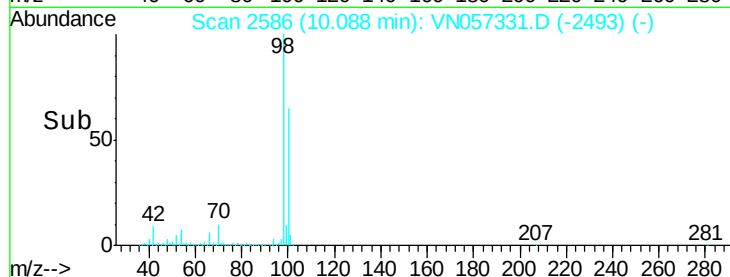
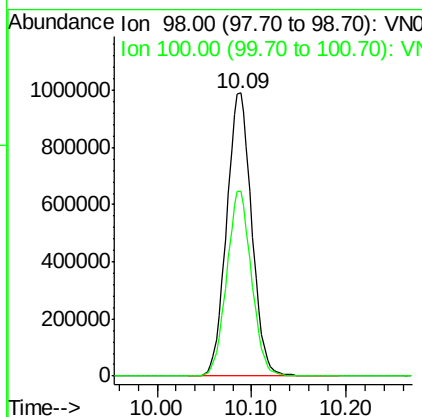
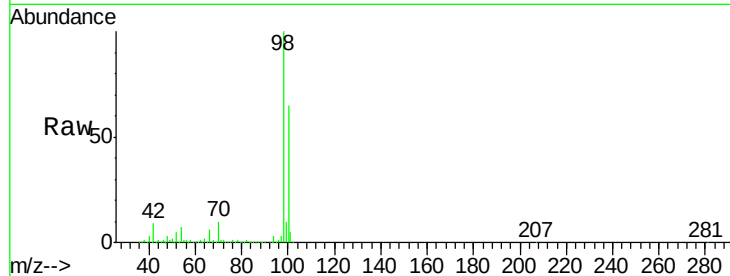




#50
Toluene-d8
Concen: 48.591 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057331.D
Acq: 15 Aug 2019 15:03

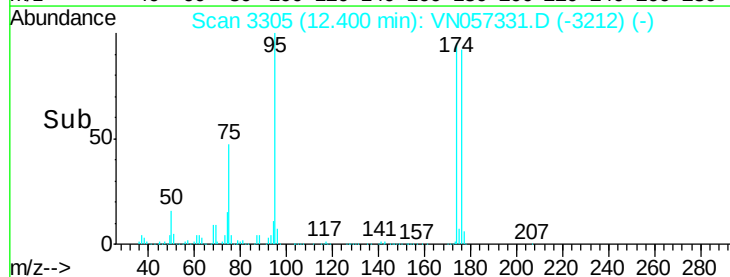
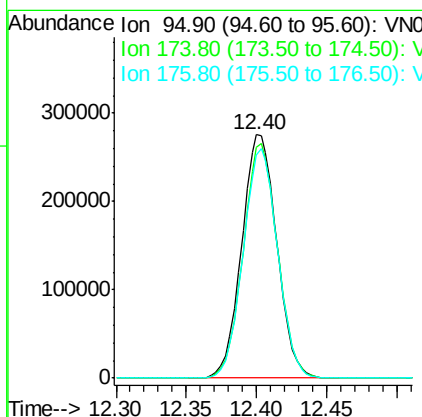
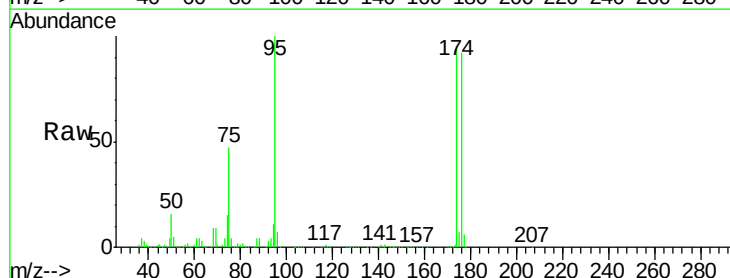
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-C3-(3)

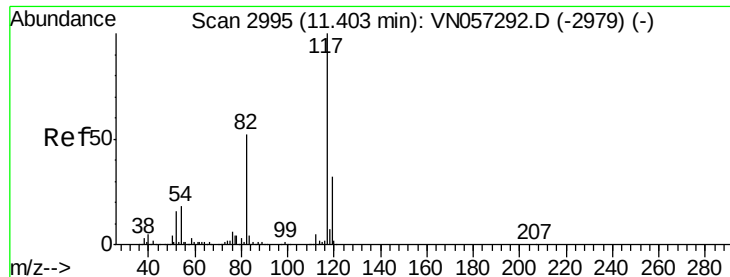
Tot Ion: 98 Resp: 1824922
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 36.169 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057331.D
Acq: 15 Aug 2019 15:03

Tgt Ion: 95 Resp: 480040
Ion Ratio Lower Upper
95 100
174 94.2 0.0 185.0
176 92.7 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: VN057331.D

Acq: 15 Aug 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-C3-(3)

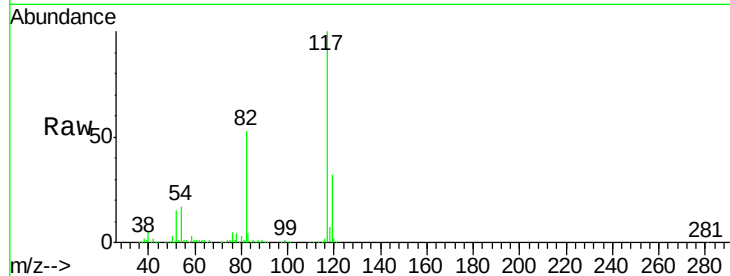
Tot Ion:117 Resp: 1306762

Ion Ratio Lower Upper

117 100

82 52.8 41.2 61.8

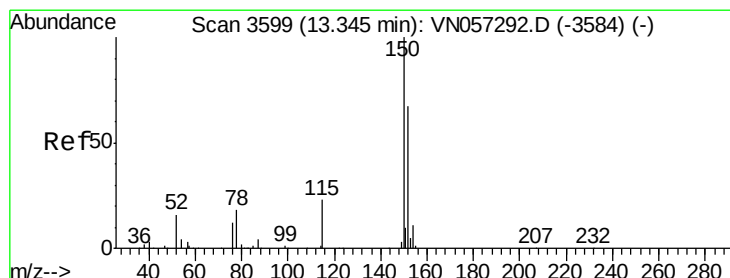
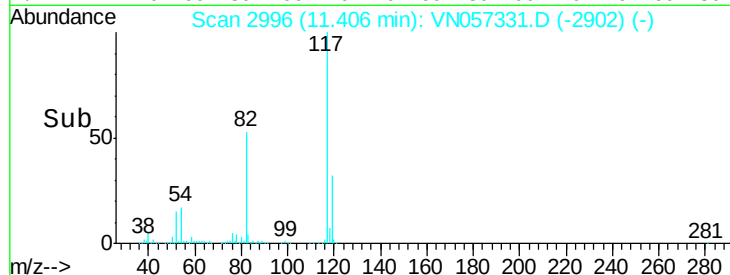
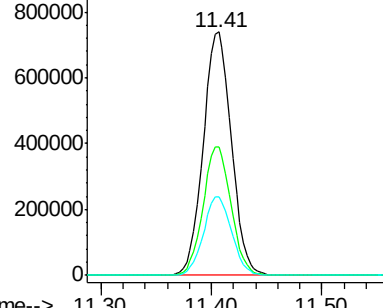
119 32.4 25.8 38.8



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: VN057331.D

Acq: 15 Aug 2019 15:03

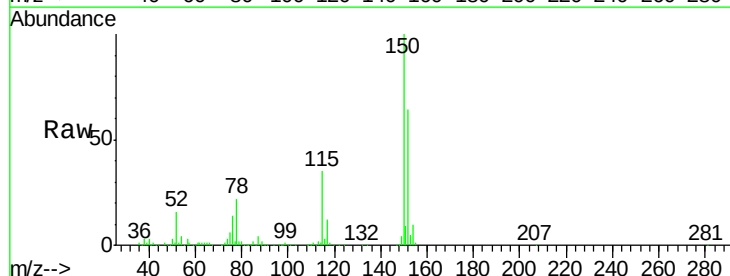
Tgt Ion:152 Resp: 332853

Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

150 156.8 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

