

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057299.D
 Acq On : 14 Aug 2019 20:42
 Operator : JC/SP
 Sample : K4231-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-D-(2)

Quant Time: Aug 15 08:41:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

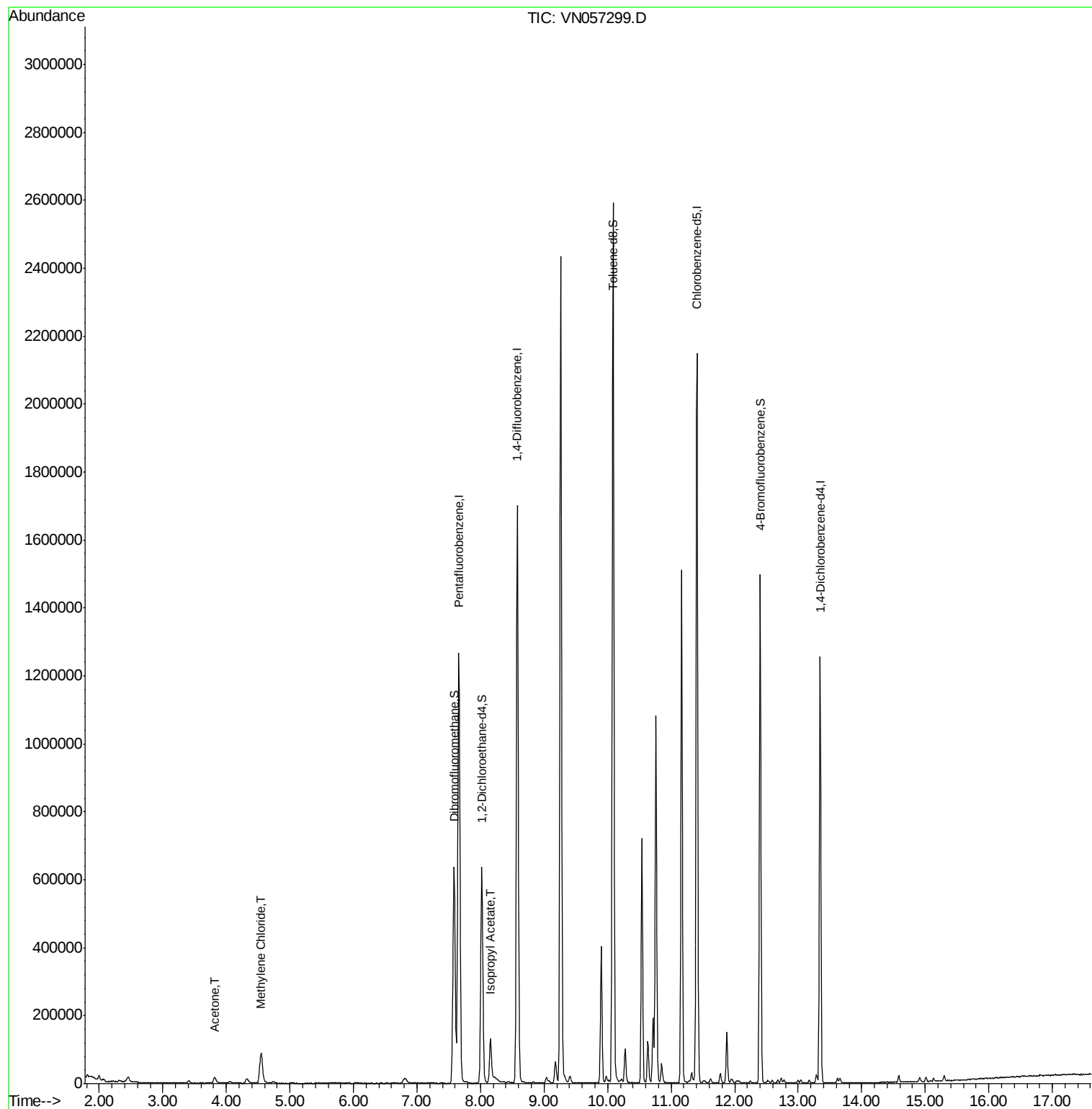
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1156149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1631184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1364908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368375	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	545045	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.74%	
35) Dibromofluoromethane	7.58	113	495284	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
50) Toluene-d8	10.09	98	1890267	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	525063	37.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.98%	
Target Compounds						
16) Acetone	3.81	43	28629	6.566	ug/l	91
20) Methylene Chloride	4.54	84	73807	6.050	ug/l	99
43) Isopropyl Acetate	8.16	43	160594	5.891	ug/l #	92

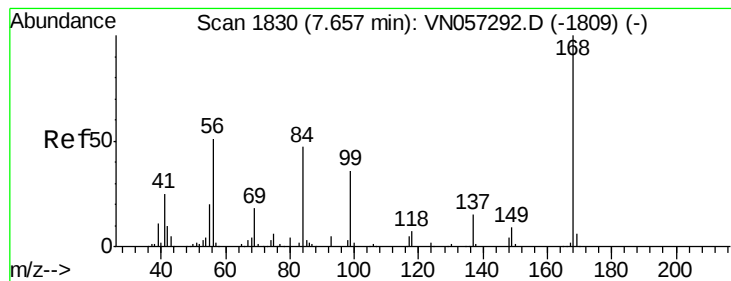
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057299.D

Acq: 14 Aug 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

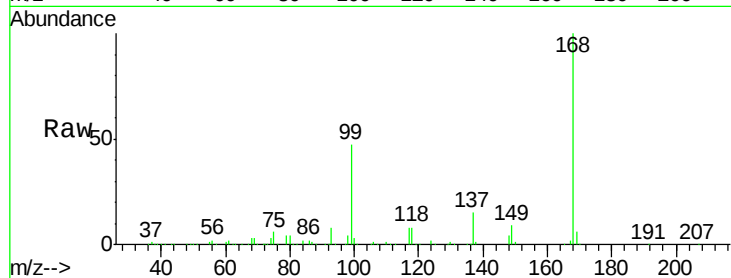
REACTOR-3-D-(2)

Tot Ion:168 Resp: 1156149

Ion Ratio Lower Upper

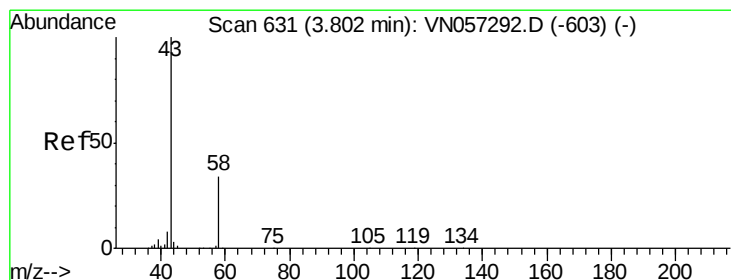
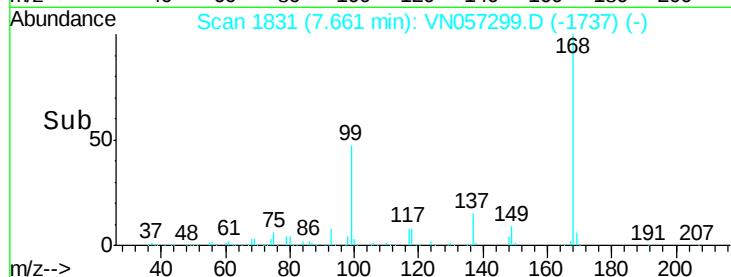
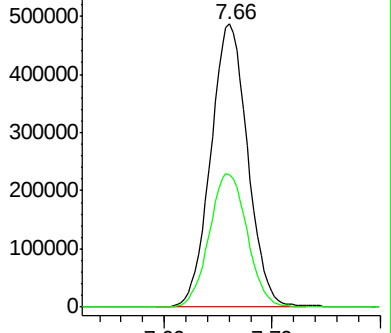
168 100

99 46.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 6.566 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057299.D

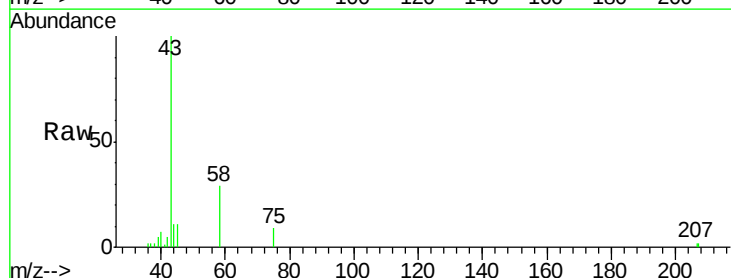
Acq: 14 Aug 2019 20:42

Tgt Ion: 43 Resp: 28629

Ion Ratio Lower Upper

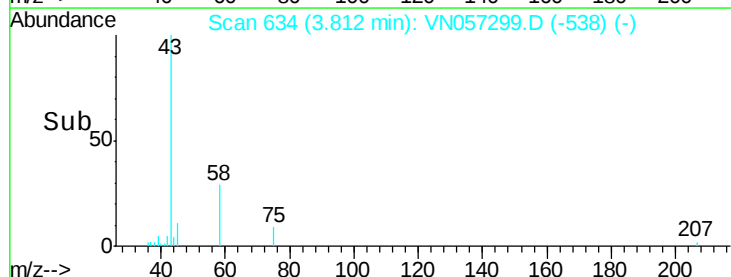
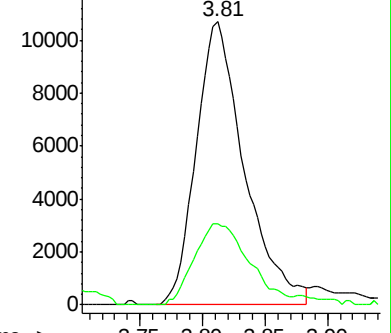
43 100

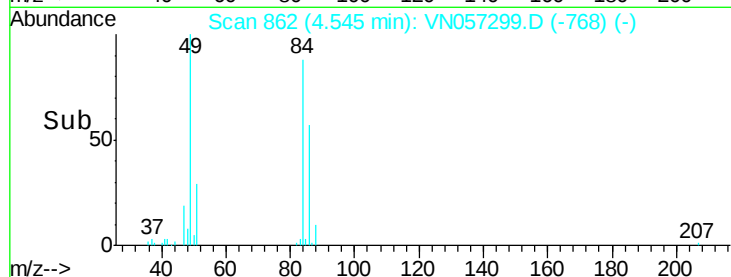
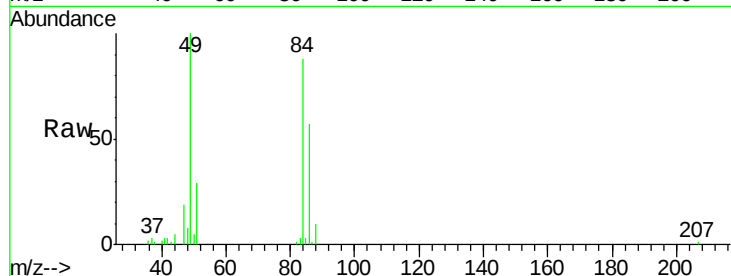
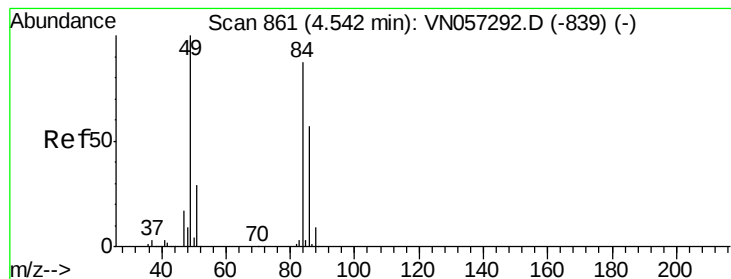
58 28.8 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methvlene Chloride

Concen: 6.050 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN057299.D

Acq: 14 Aug 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-D-(2)

Tot Ion: 84 Resp: 73807

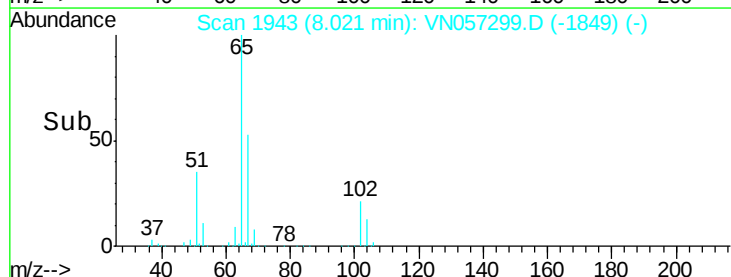
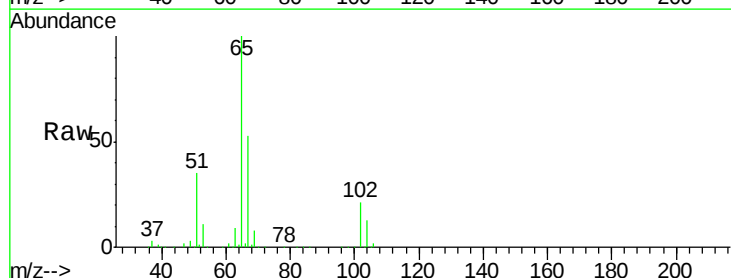
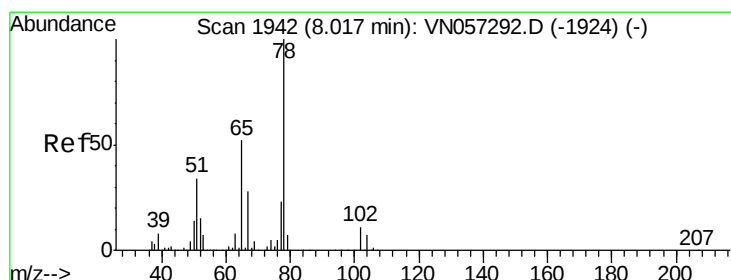
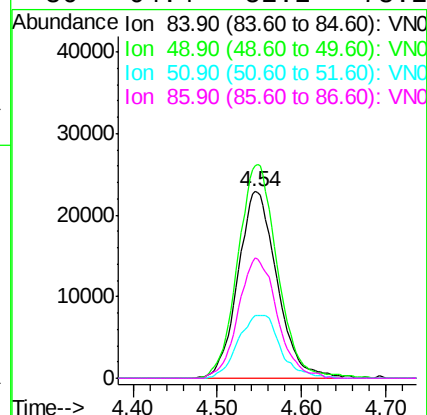
Ion	Ratio	Lower	Upper
84	100		
49	113.6	92.0	138.0
51	33.4	27.1	40.7
86	64.4	52.2	78.2

84 100

49 113.6 92.0 138.0

51 33.4 27.1 40.7

86 64.4 52.2 78.2



#33

1,2-Dichloroethane-d4

Concen: 43.366 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057299.D

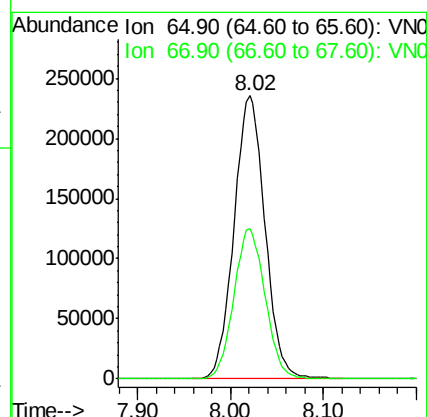
Acq: 14 Aug 2019 20:42

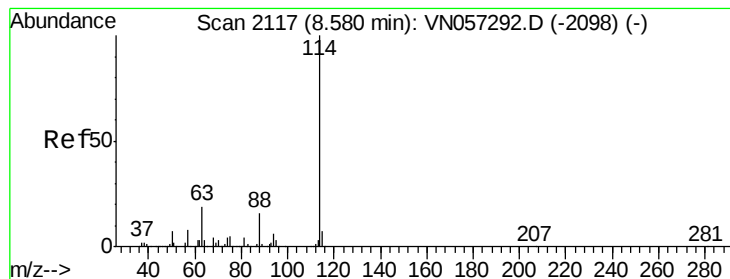
Tgt Ion: 65 Resp: 545045

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.4

65 100

67 53.5 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: VN057299.D

Acq: 14 Aug 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-D-(2)

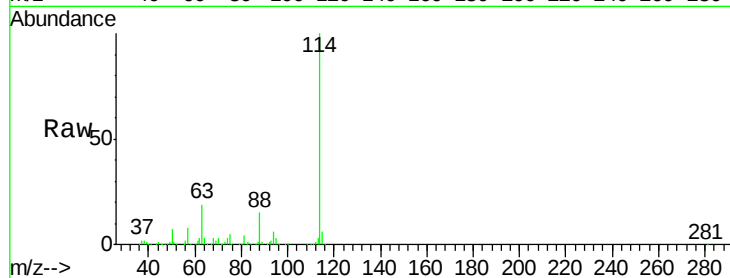
Tot Ion:114 Resp: 1631184

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.8

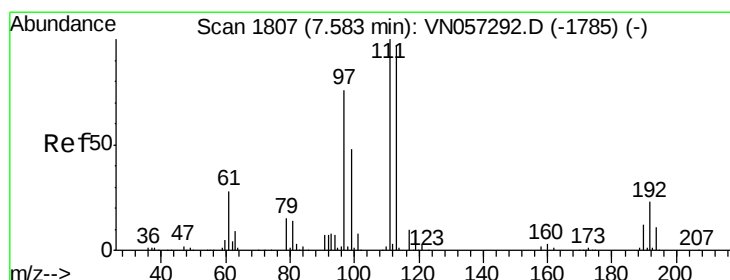
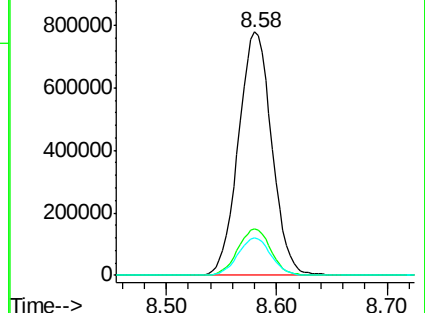
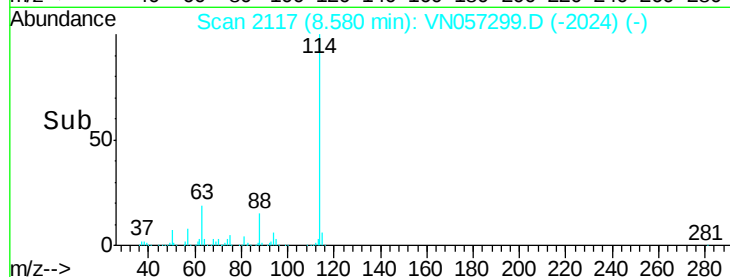
88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.320 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057299.D

Acq: 14 Aug 2019 20:42

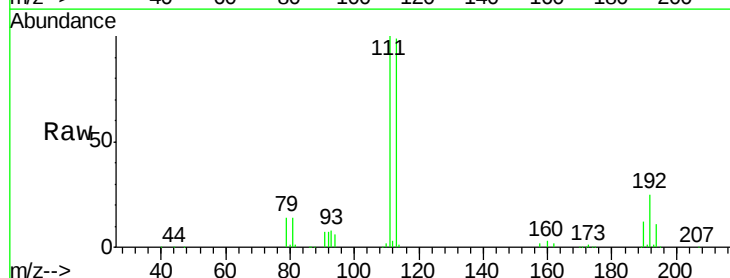
Tgt Ion:113 Resp: 495284

Ion Ratio Lower Upper

113 100

111 101.1 82.1 123.1

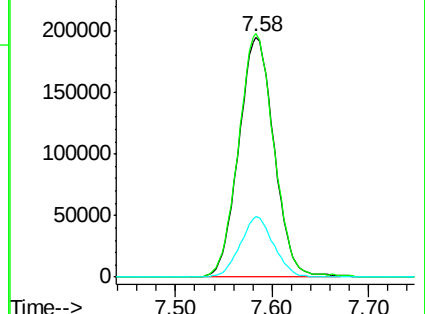
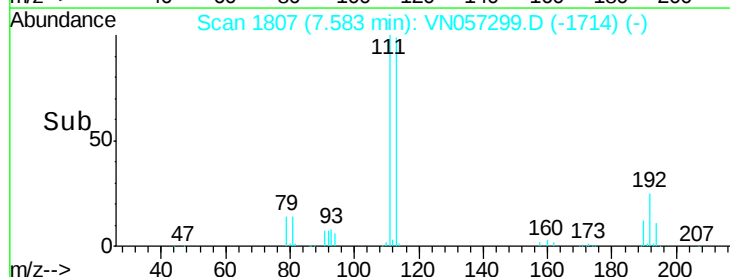
192 23.9 19.3 28.9

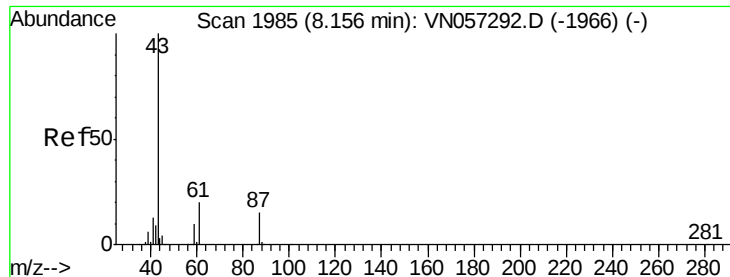


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 5.891 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057299.D

Acq: 14 Aug 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-D-(2)

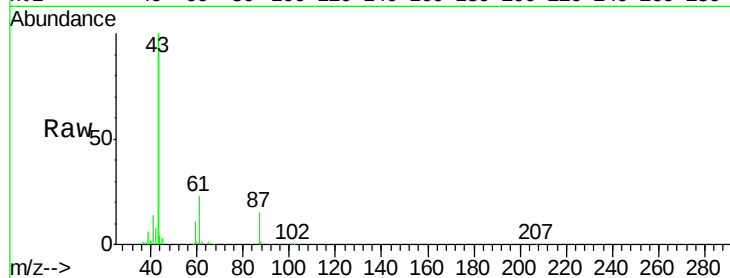
Tot Ion: 43 Resp: 160594

Ion Ratio Lower Upper

43 100

61 21.1 21.6 32.4#

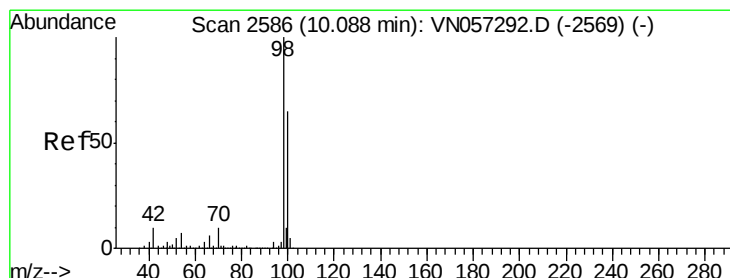
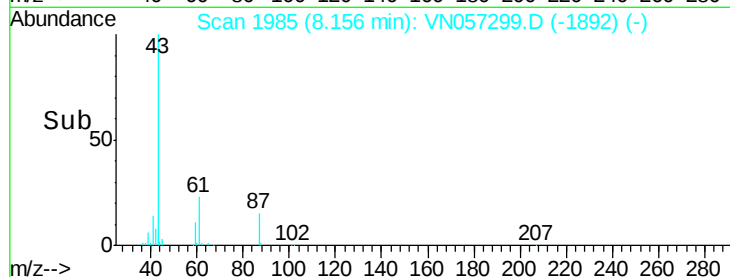
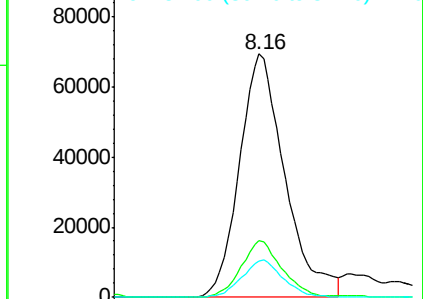
87 13.9 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.333 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057299.D

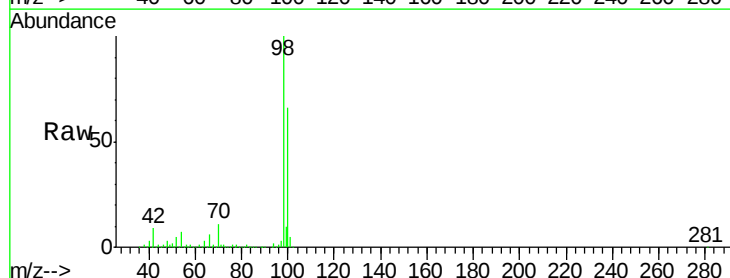
Acq: 14 Aug 2019 20:42

Tgt Ion: 98 Resp: 1890267

Ion Ratio Lower Upper

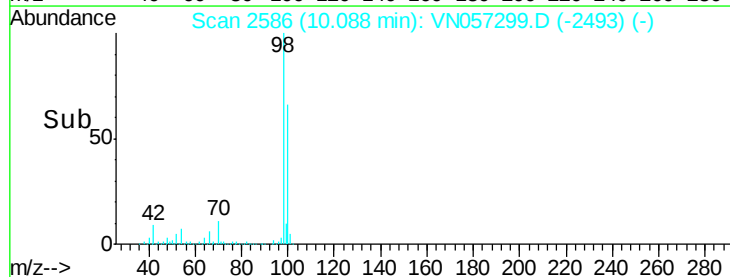
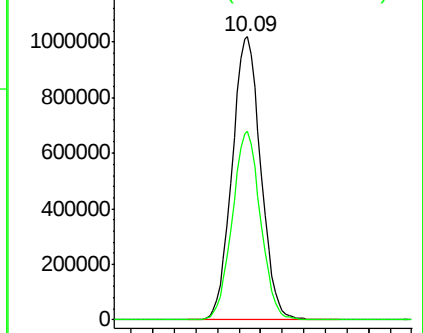
98 100

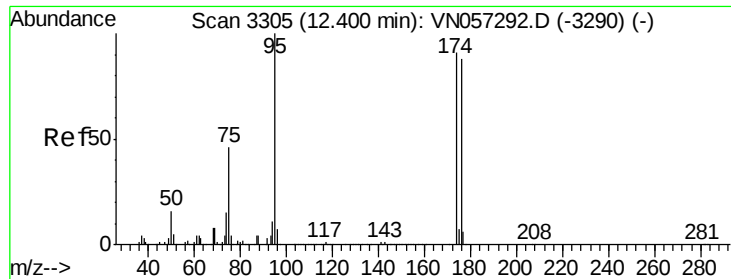
100 65.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

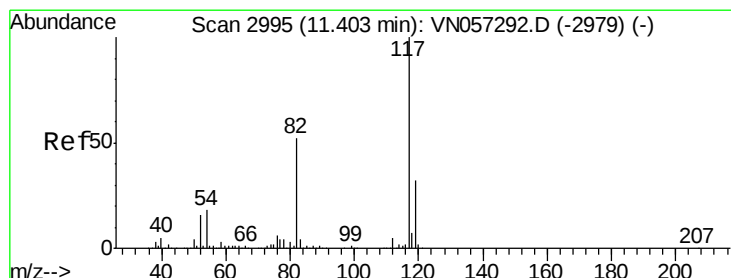
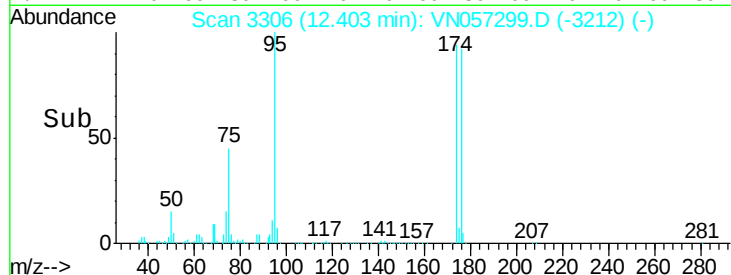
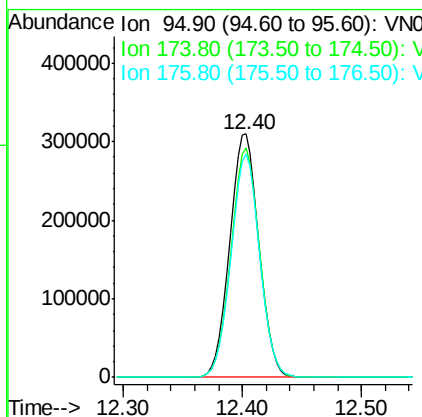
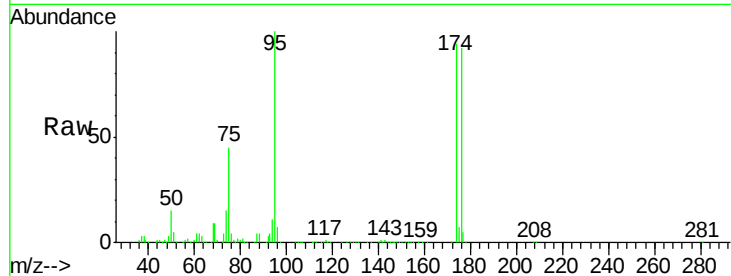




#62
4-Bromofluorobenzene
Concen: 37.991 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057299.D
Acq: 14 Aug 2019 20:42

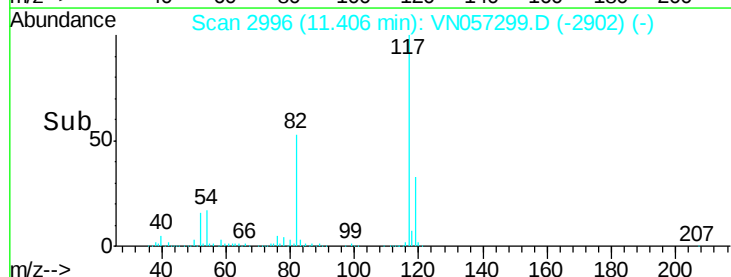
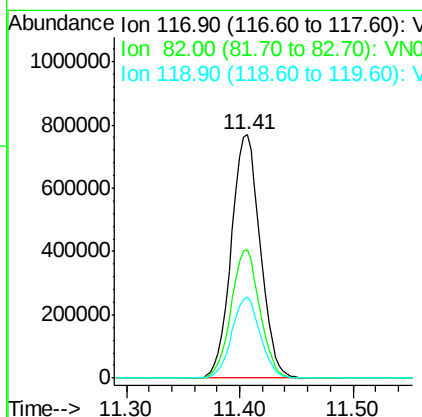
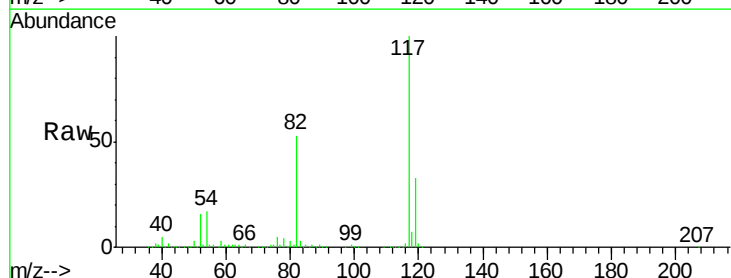
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-D-(2)

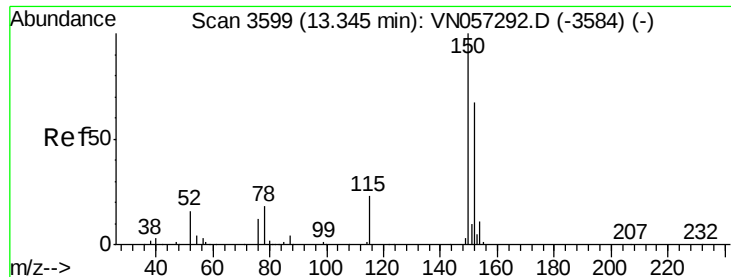
Tot Ion: 95 Resp: 525063
Ion Ratio Lower Upper
95 100
174 92.7 0.0 185.0
176 90.1 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057299.D
Acq: 14 Aug 2019 20:42

Tgt Ion: 117 Resp: 1364908
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 33.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057299.D

Acq: 14 Aug 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-D-(2)

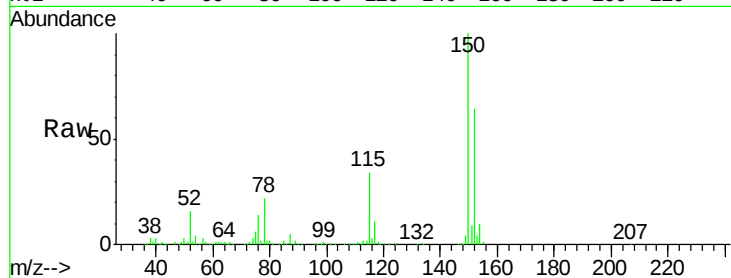
Tot Ion:152 Resp: 368375

Ion Ratio Lower Upper

152 100

115 55.2 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

