

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057237.D
 Acq On : 13 Aug 2019 00:08
 Operator : JC/SP
 Sample : K4231-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-3-F-(0-3)

Quant Time: Aug 13 03:47:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

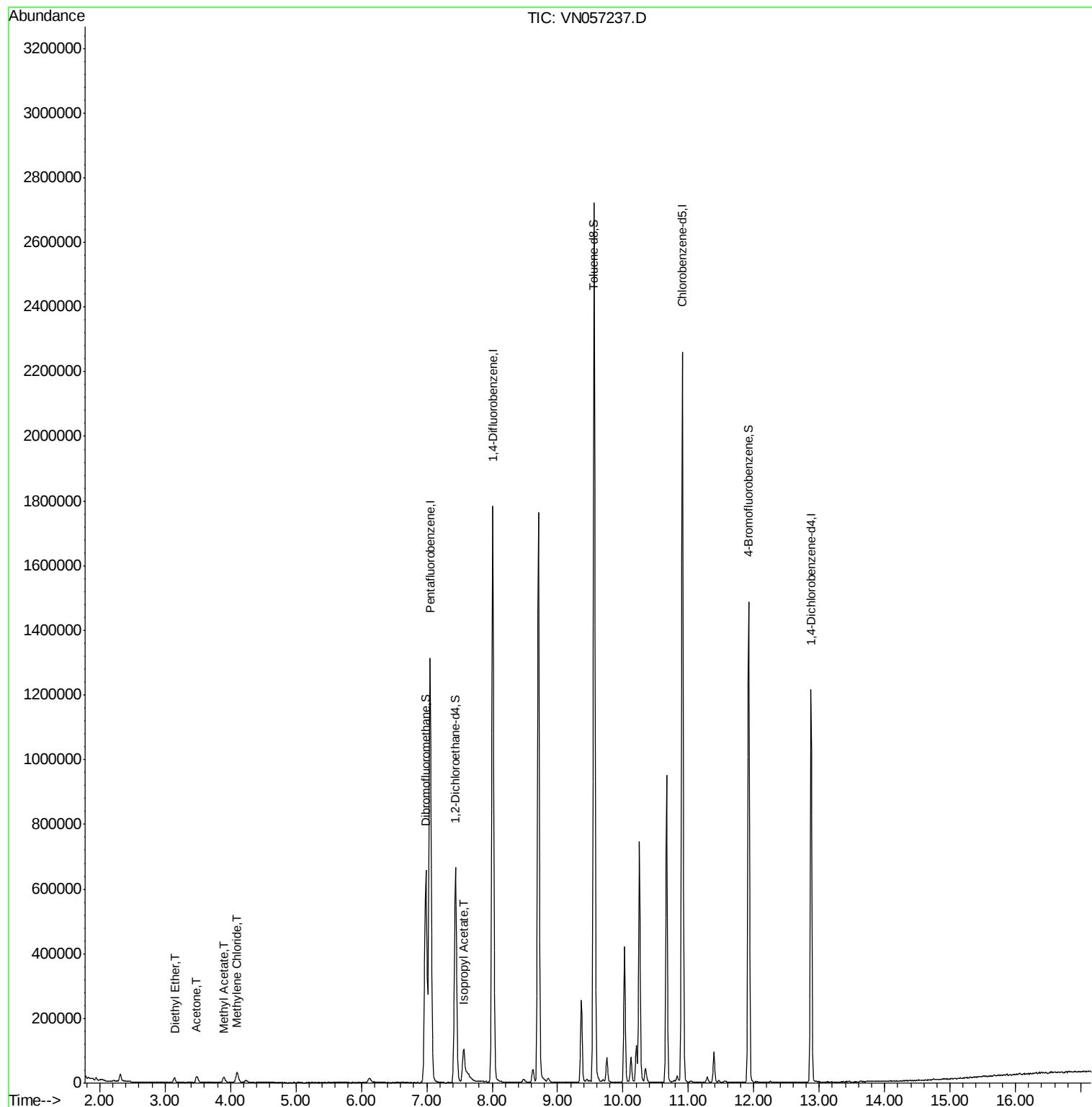
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1268032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1775422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1441808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	359626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	595821	45.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.38%	
35) Dibromofluoromethane	6.99	113	535140	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	
50) Toluene-d8	9.56	98	2038571	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.92	95	515014	37.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.00%	
Target Compounds						
8) Diethyl Ether	3.15	74	7985	1.142	ug/l	99
16) Acetone	3.48	43	27574	7.001	ug/l	91
18) Methyl Acetate	3.90	43	29464	1.879	ug/l	98
20) Methylene Chloride	4.10	84	24068	1.852	ug/l #	95
43) Isopropyl Acetate	7.57	43	145060	7.054	ug/l #	79

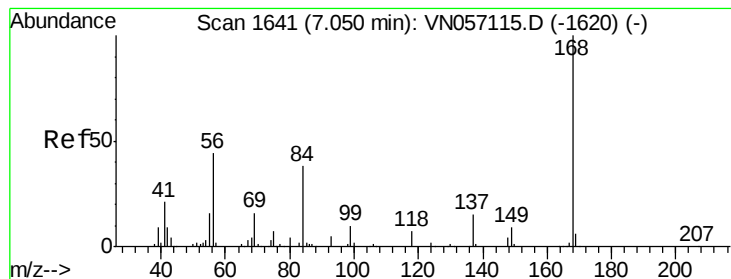
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

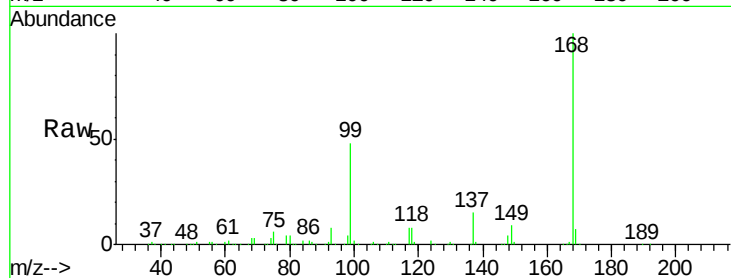
REACTOR-3-F-(0-3)

Tot Ion:168 Resp: 1268032

Ion Ratio Lower Upper

168 100

99 48.3 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

500000

400000

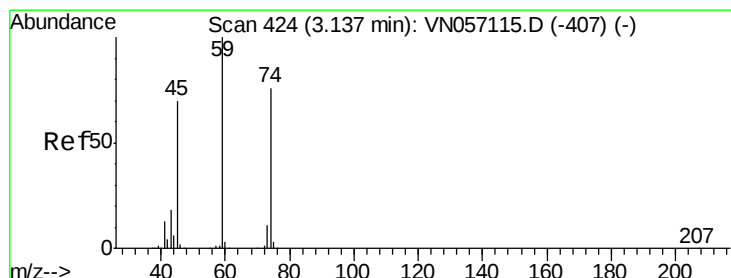
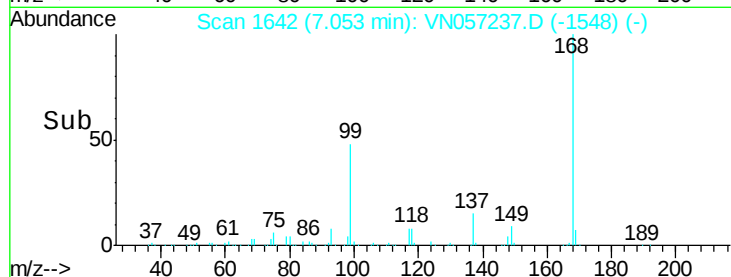
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.142 ug/l

RT: 3.15 min Scan# 427

Delta R.T. 0.01 min

Lab File: VN057237.D

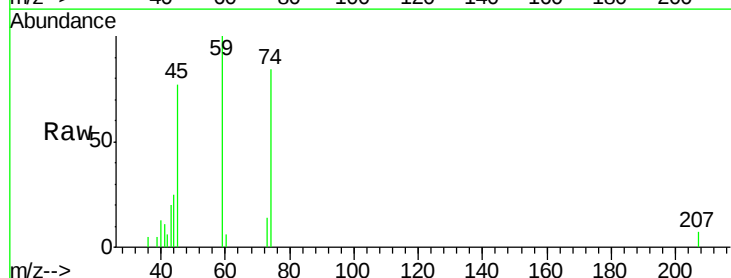
Acq: 13 Aug 2019 00:08

Tgt Ion: 74 Resp: 7985

Ion Ratio Lower Upper

74 100

45 91.9 46.3 138.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.15

4000

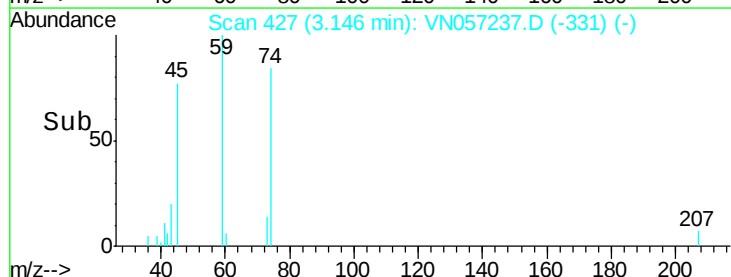
3000

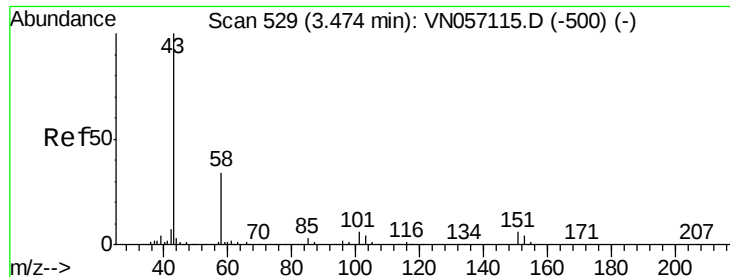
2000

1000

0

Time-->

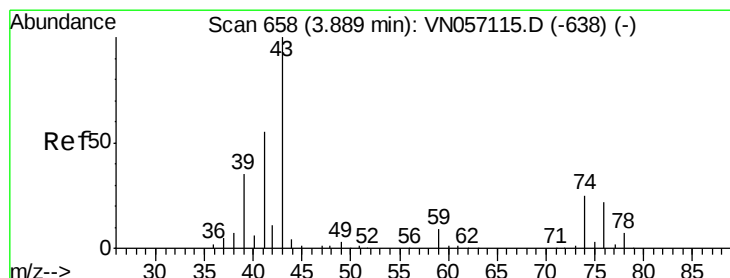
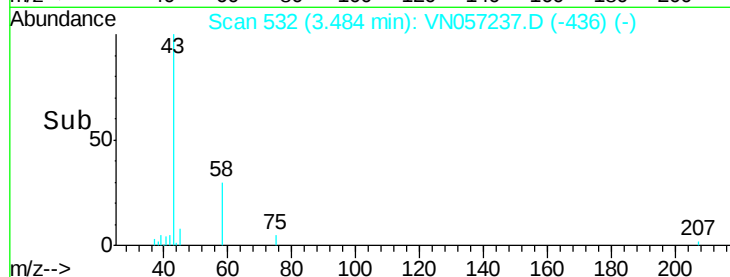
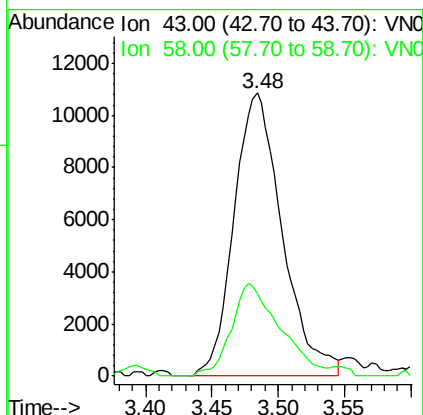
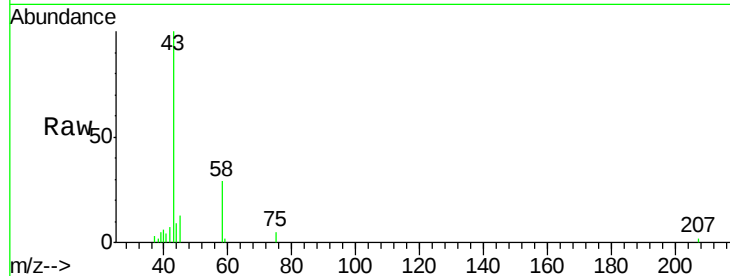




#16
Acetone
Concen: 7.001 ug/l
RT: 3.48 min Scan# 532
Delta R.T. 0.01 min
Lab File: VN057237.D
Acq: 13 Aug 2019 00:08

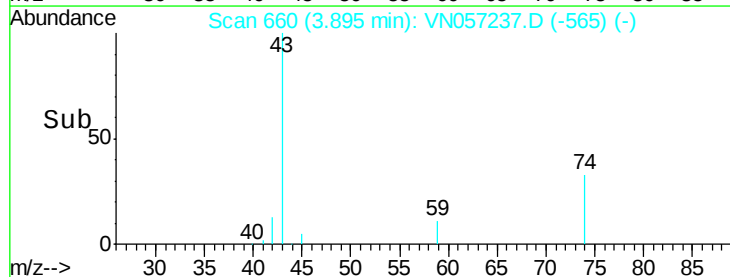
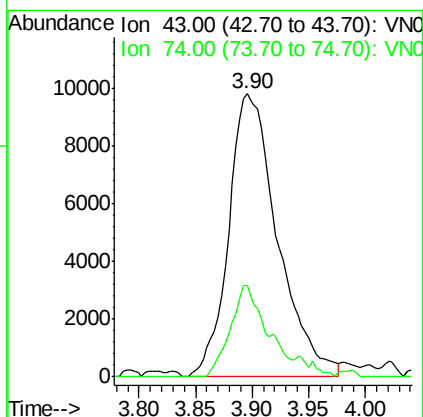
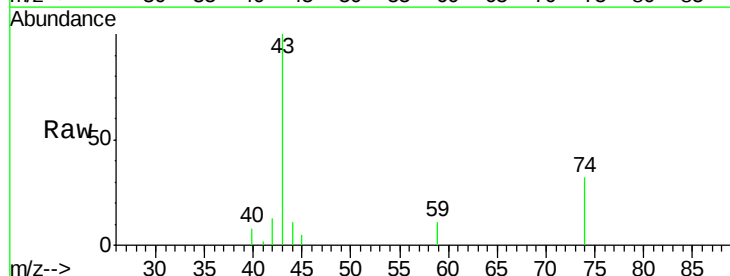
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-F-(0-3)

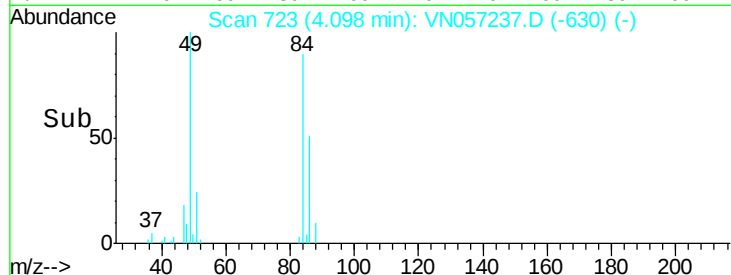
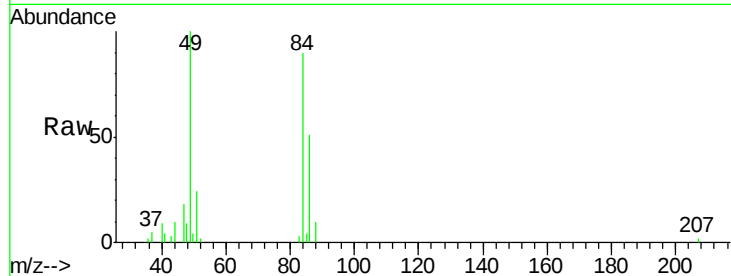
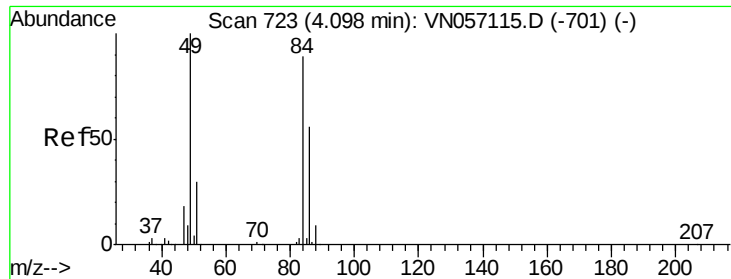
Tot Ion: 43 Resp: 27574
Ion Ratio Lower Upper
43 100
58 29.3 27.4 41.2



#18
Methyl Acetate
Concen: 1.879 ug/l
RT: 3.90 min Scan# 660
Delta R.T. 0.01 min
Lab File: VN057237.D
Acq: 13 Aug 2019 00:08

Tgt Ion: 43 Resp: 29464
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.4

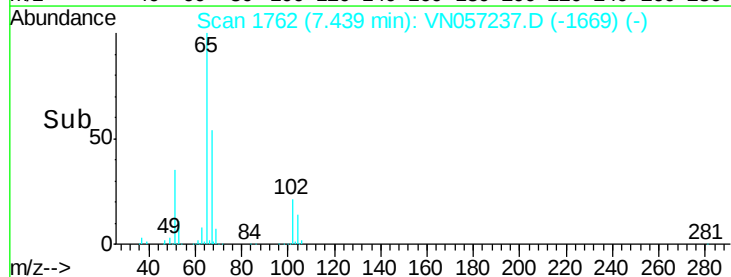
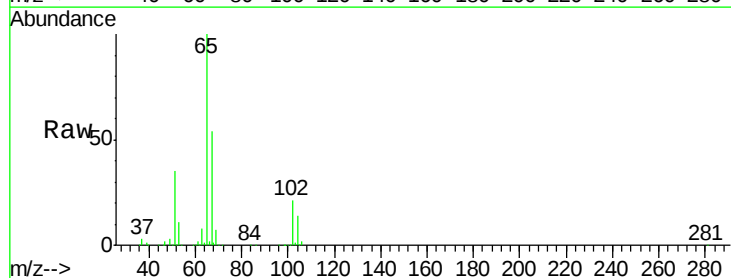
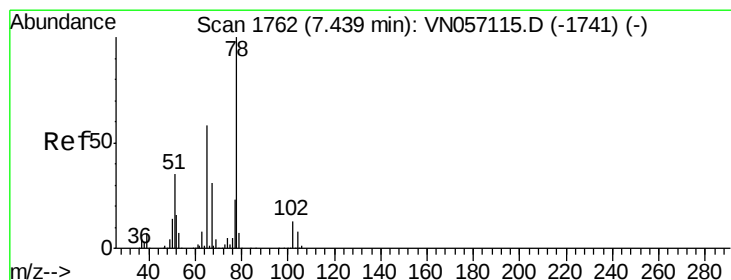
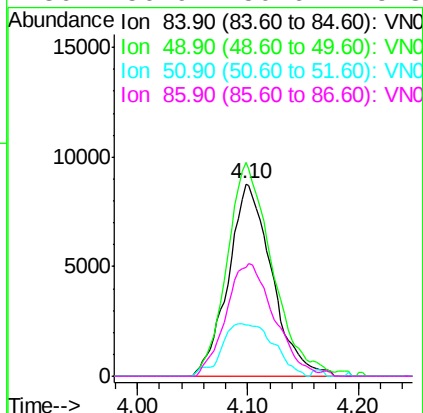




#20
Methvlene Chloride
Concen: 1.852 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057237.D
Acq: 13 Aug 2019 00:08

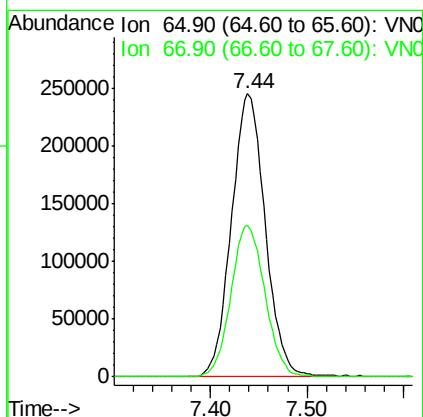
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-3-F-(0-3)

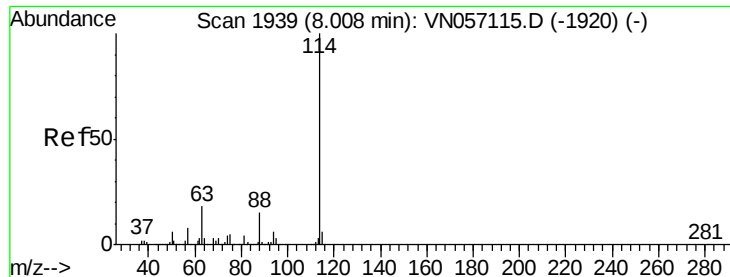
Tot Ion	84	Resp	24068
Ion	Ratio	Lower	Upper
84	100		
49	111.0	89.5	134.3
51	26.7	27.2	40.8#
86	56.9	50.6	75.8



#33
1,2-Dichloroethane-d4
Concen: 45.689 ug/l
RT: 7.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VN057237.D
Acq: 13 Aug 2019 00:08

Tgt Ion	65	Resp	595821
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-F-(0-3)

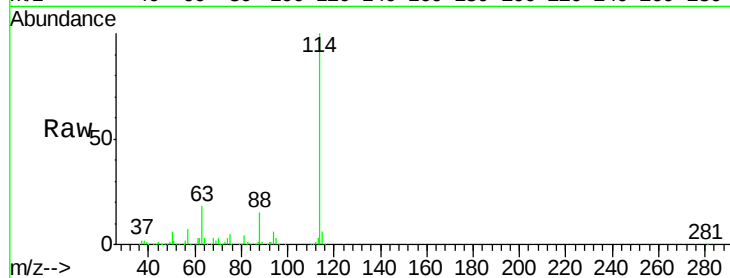
Tot Ion:114 Resp: 1775422

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.2

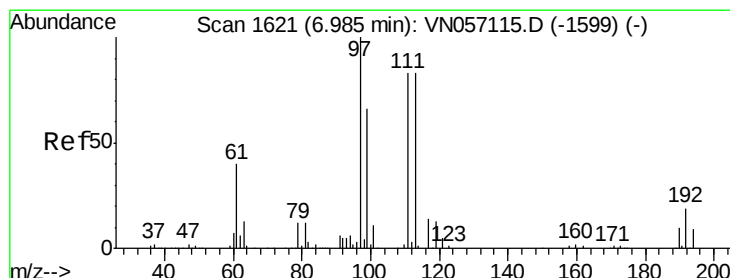
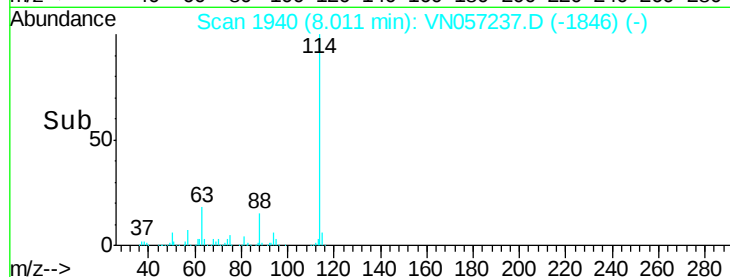
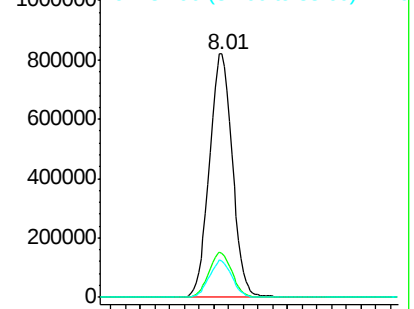
88 15.2 0.0 30.0



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: 48.033 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

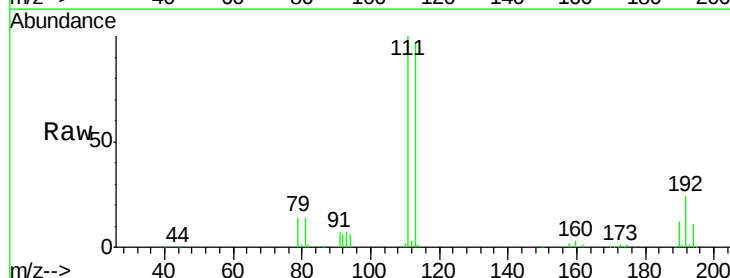
Tgt Ion:113 Resp: 535140

Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

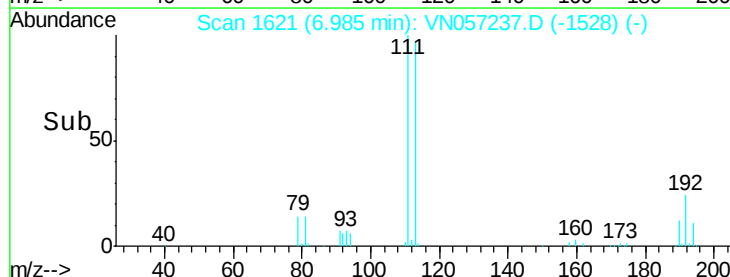
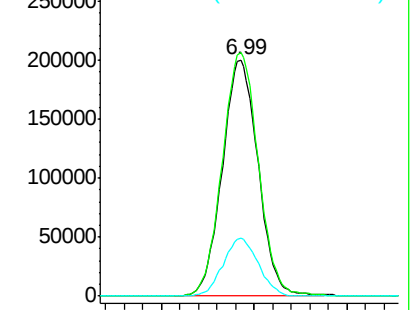
192 24.1 19.0 28.4

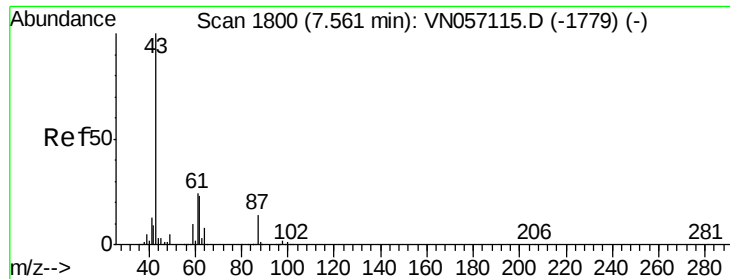


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 7.054 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.01 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-F(0-3)

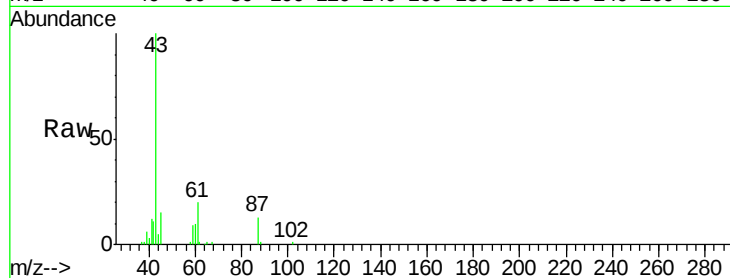
Tot Ion: 43 Resp: 145060

Ion Ratio Lower Upper

43 100

61 16.2 24.2 36.2#

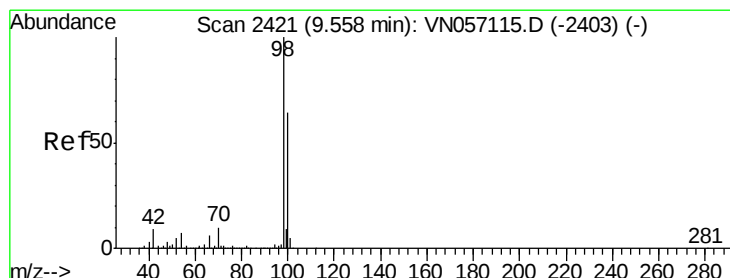
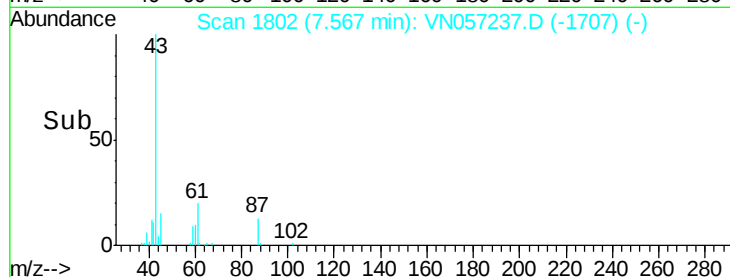
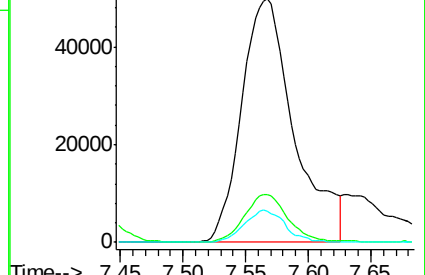
87 10.3 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057237.D (-1707) (-)

Ion 61.00 (60.70 to 61.70): VN057237.D (-1707) (-)

Ion 87.00 (86.70 to 87.70): VN057237.D (-1707) (-)



#50

Toluene-d8

Concen: 47.827 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. -0.00 min

Lab File: VN057237.D

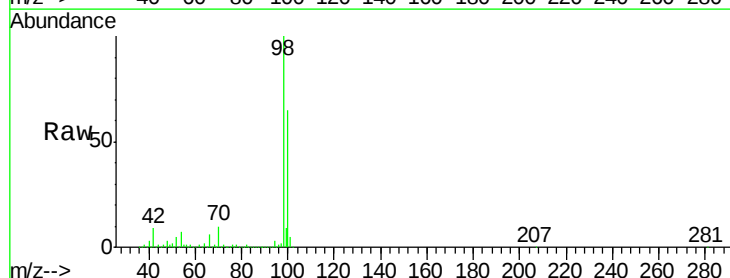
Acq: 13 Aug 2019 00:08

Tgt Ion: 98 Resp: 2038571

Ion Ratio Lower Upper

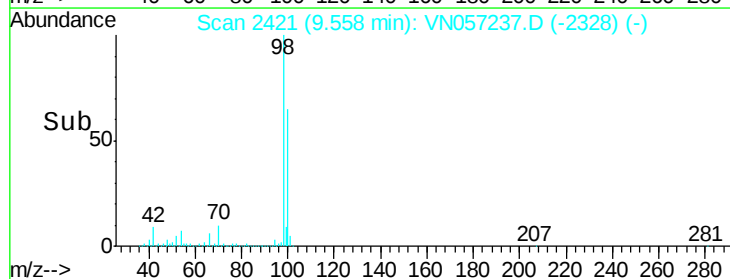
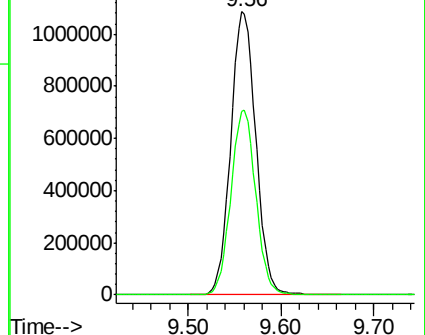
98 100

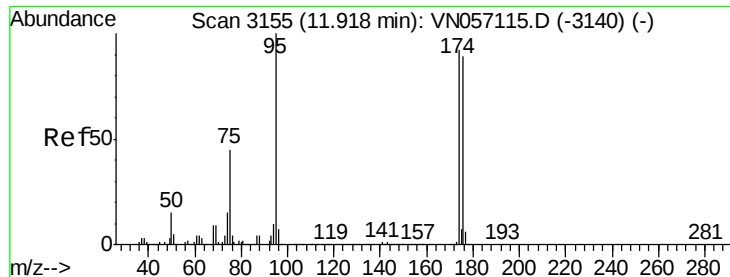
100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN057237.D (-2328) (-)

Ion 100.00 (99.70 to 100.70): VN057237.D (-2328) (-)





#62

4-Bromofluorobenzene

Concen: 37.500 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

REACTOR-3-F-(0-3)

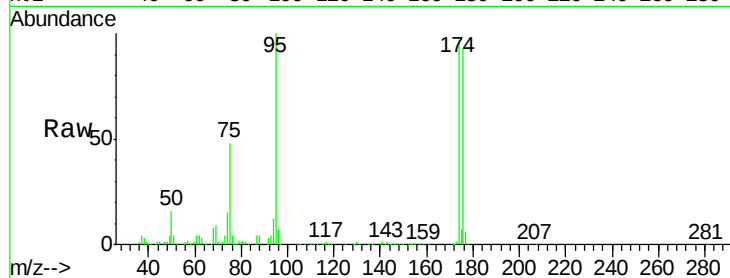
Tot Ion: 95 Resp: 515014

Ion Ratio Lower Upper

95 100

174 96.6 0.0 185.0

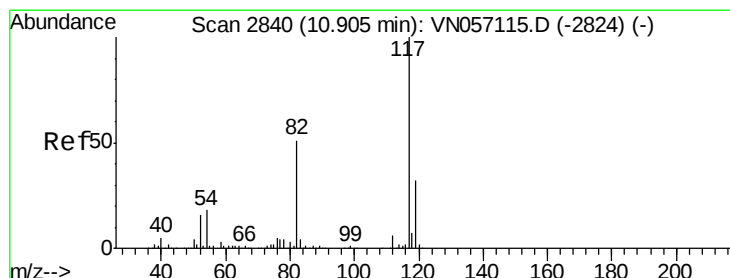
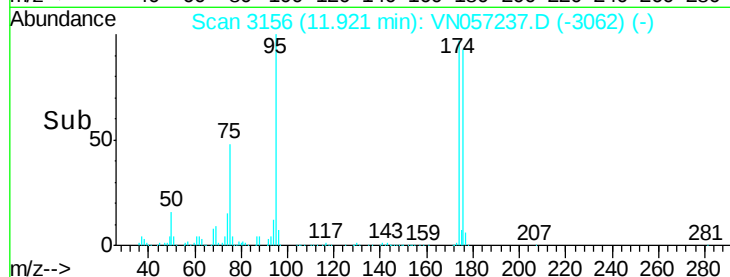
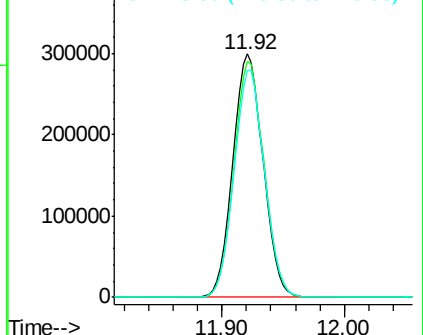
176 93.6 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VN057115.D (-3140) (-)

Ion 173.80 (173.50 to 174.50): VN057115.D (-3140) (-)

Ion 175.80 (175.50 to 176.50): VN057115.D (-3140) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

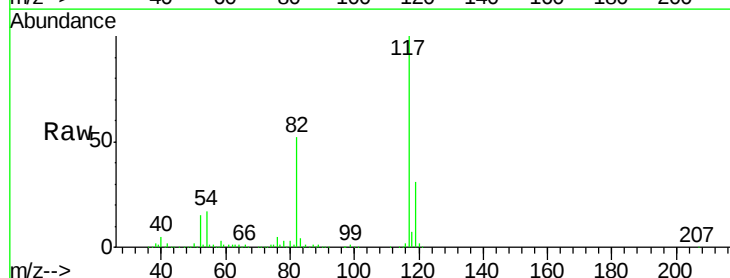
Tgt Ion: 117 Resp: 1441808

Ion Ratio Lower Upper

117 100

82 51.7 40.8 61.2

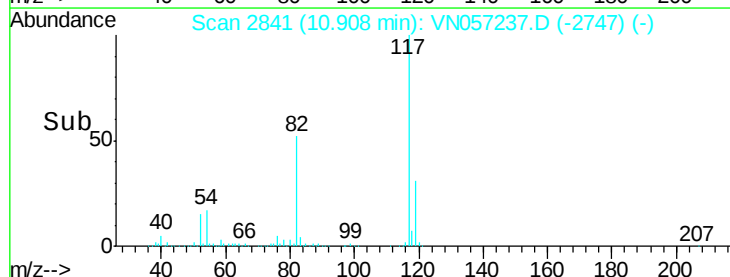
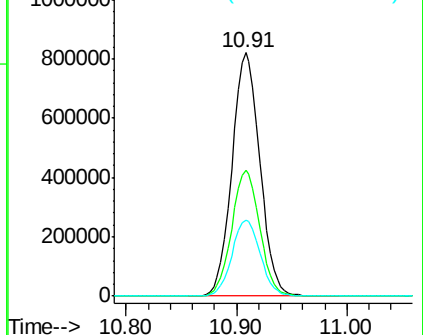
119 31.4 25.7 38.5

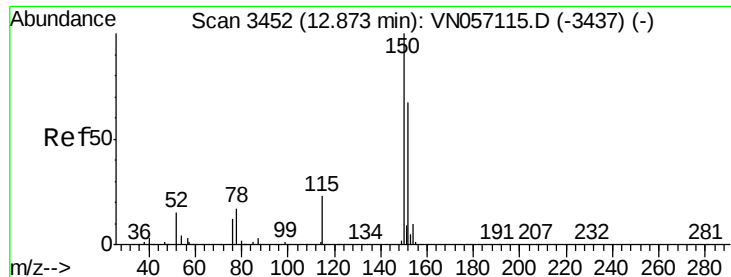


Abundance Ion 116.90 (116.60 to 117.60): VN057115.D (-2824) (-)

Ion 82.00 (81.70 to 82.70): VN057115.D (-2824) (-)

Ion 118.90 (118.60 to 119.60): VN057115.D (-2824) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057237.D

Acq: 13 Aug 2019 00:08

Instrument :

MSVOA_N

ClientSampleId :

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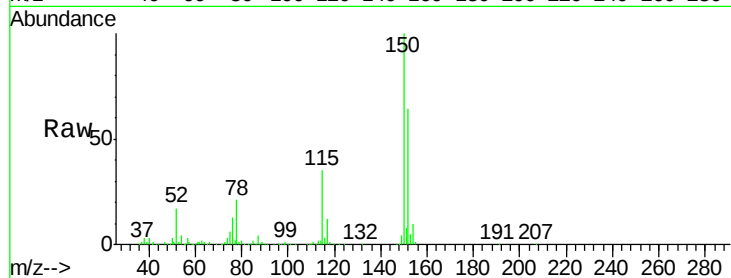
Tot Ion:152 Resp: 359626

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.5

150 158.2 0.0 341.6



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

