

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063400.D
 Acq On : 17 Sep 2020 6:15
 Operator : JC/MD
 Sample : L4015-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-6E-(B-4)

Quant Time: Sep 17 06:46:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

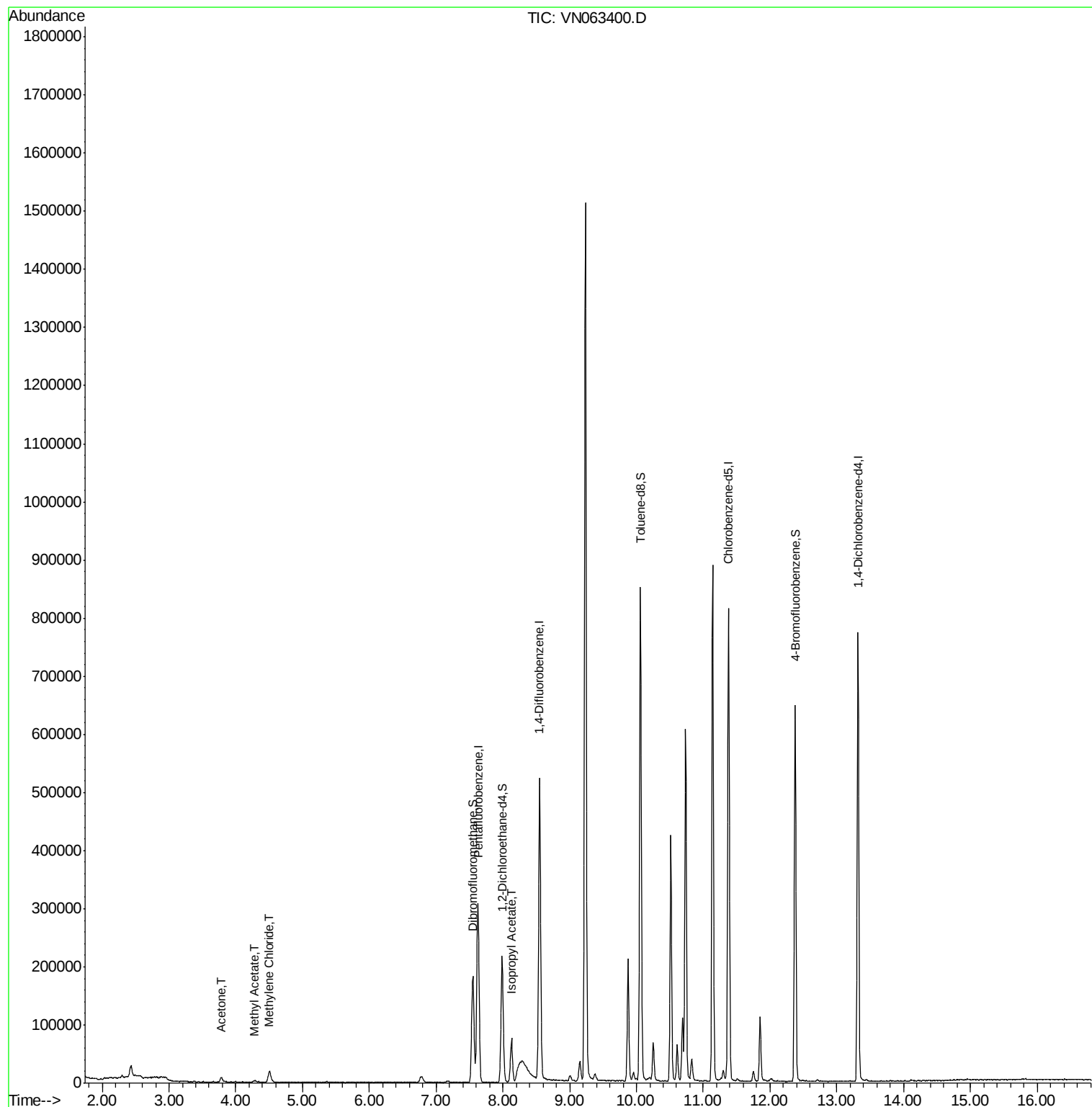
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	227080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	428800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184189	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	191763	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
35) Dibromofluoromethane	7.55	113	140261	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	10.06	98	557803	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.38	95	217079	53.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
Target Compounds						
16) Acetone	3.78	43	16284	13.108	ug/l	96
18) Methyl Acetate	4.29	43	4385	1.390	ug/l #	85
20) Methylene Chloride	4.51	84	13648	4.336	ug/l #	84
43) Isopropyl Acetate	8.13	43	89120	11.116	ug/l	99

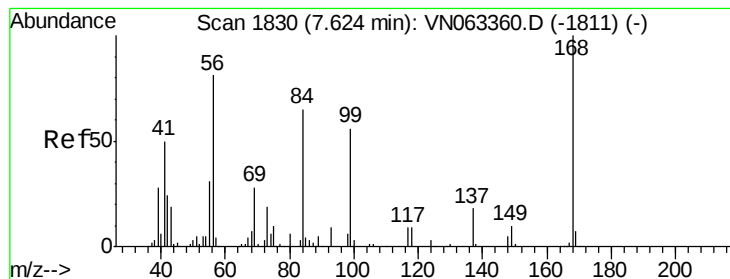
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

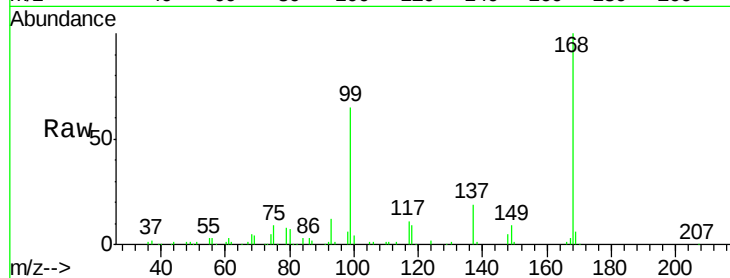
Instrument :
MSVOA_N
ClientSampleId :
REACTOR-6E-(B-4)

Tot Ion:168 Resp: 227080

Ion Ratio Lower Upper

168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

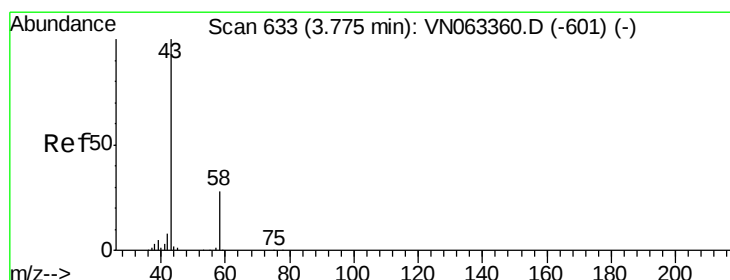
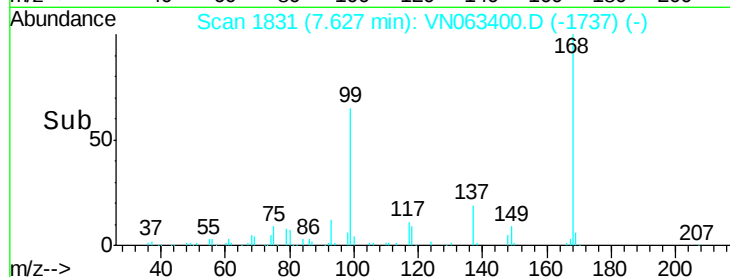
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 13.108 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063400.D

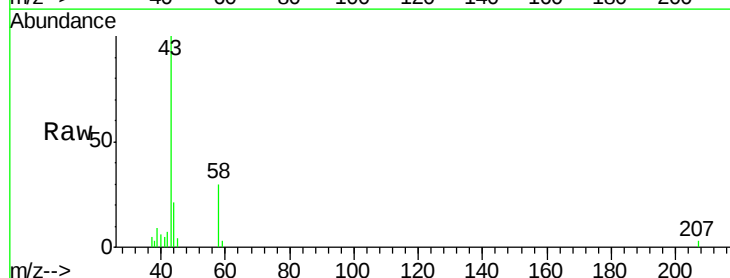
Acq: 17 Sep 2020 6:15

Tgt Ion: 43 Resp: 16284

Ion Ratio Lower Upper

43 100

58 30.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

6000

5000

4000

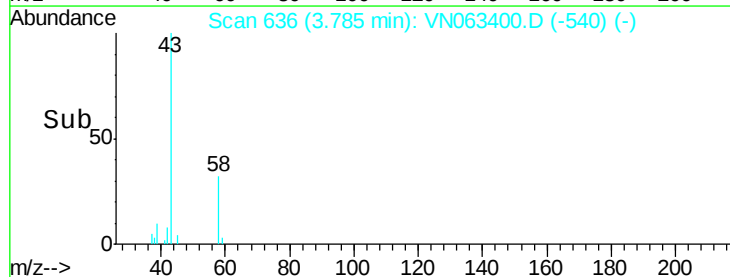
3000

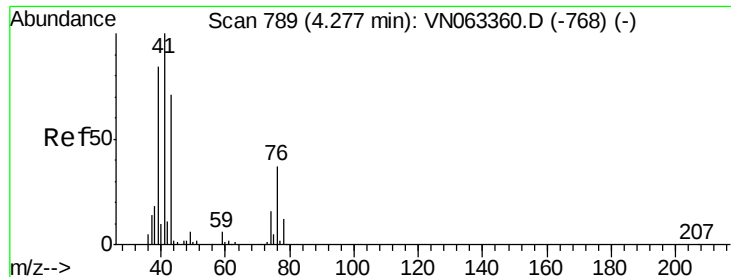
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





#18

Methyl Acetate

Concen: 1.390 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

Instrument :

MSVOA_N

ClientSampleId :

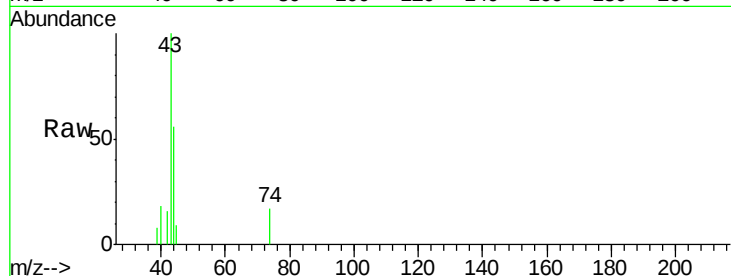
REACTOR-6E-(B-4)

Tot Ion: 43 Resp: 4385

Ion Ratio Lower Upper

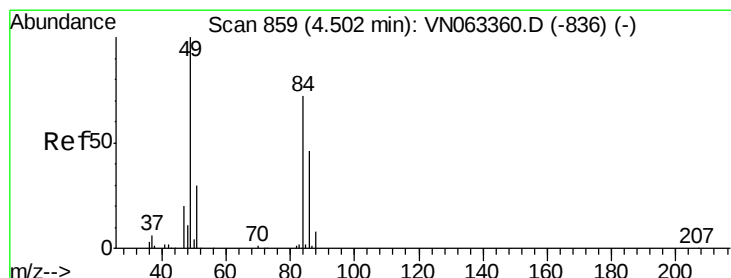
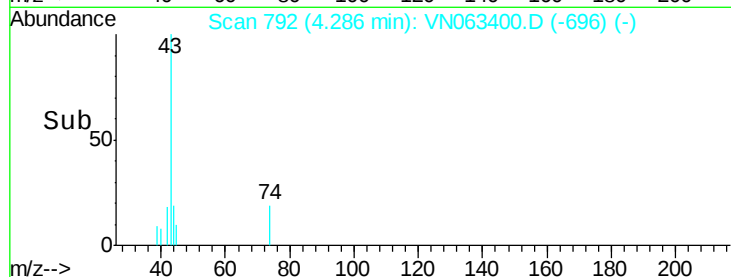
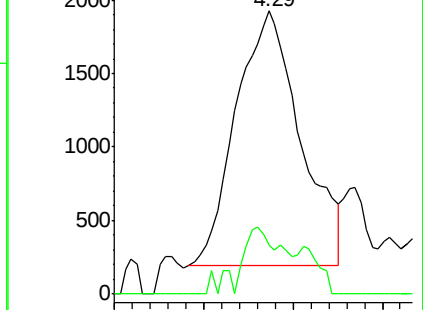
43 100

74 14.7 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063360.D (-768) (-)



#20

Methylene Chloride

Concen: 4.336 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

Tgt Ion: 84 Resp: 13648

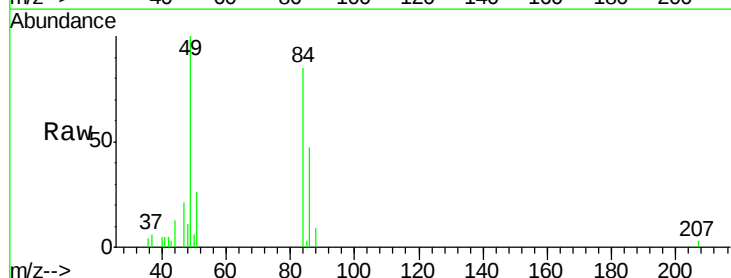
Ion Ratio Lower Upper

84 100

49 117.2 110.7 166.1

51 30.4 32.9 49.3#

86 54.9 51.1 76.7

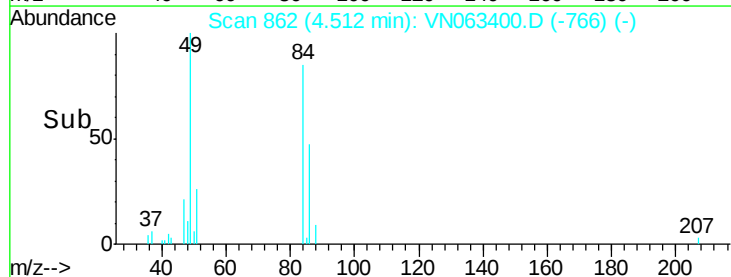
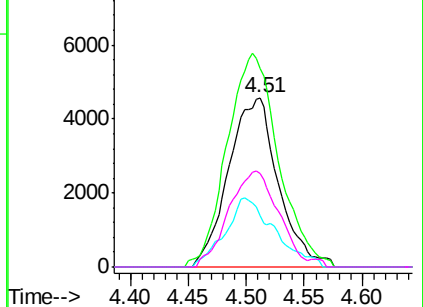


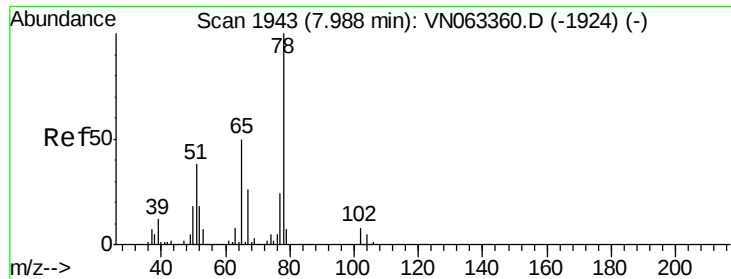
Abundance Ion 83.90 (83.60 to 84.60): VN063360.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN063360.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN063360.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN063360.D (-836) (-)

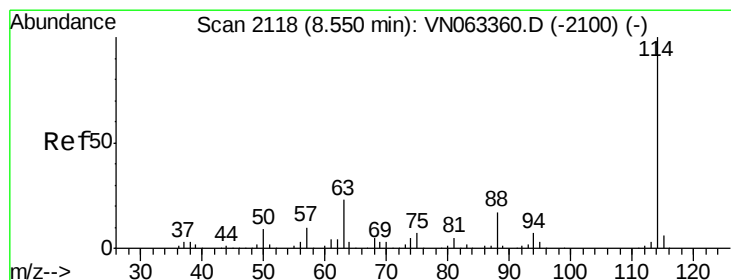
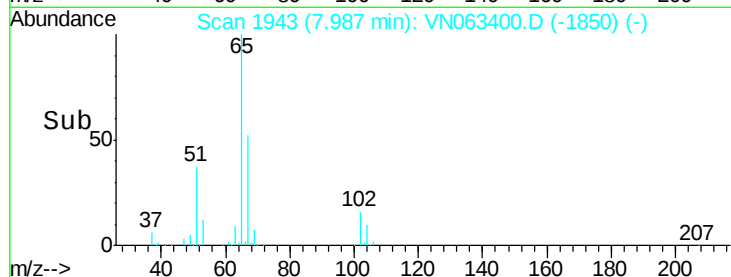
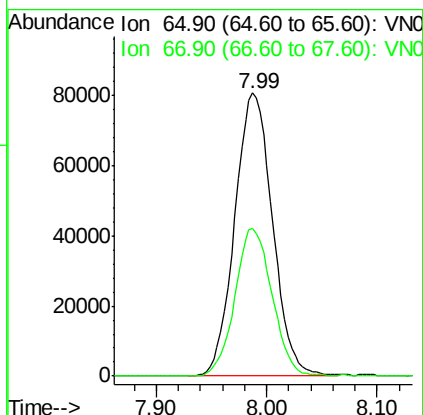
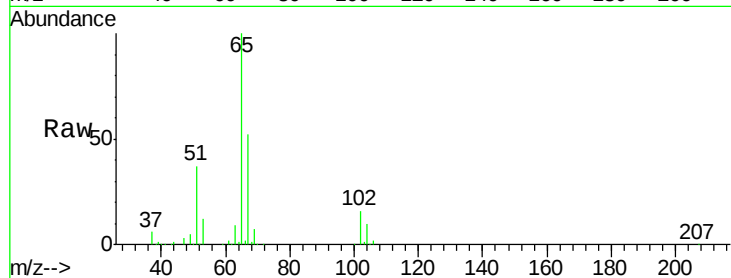




#33
 1,2-Dichloroethane-d4
 Concen: 49.609 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063400.D
 Acq: 17 Sep 2020 6:15

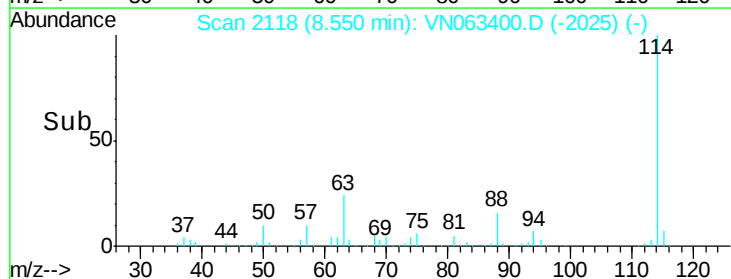
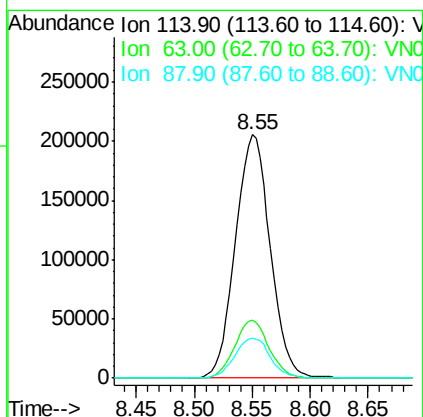
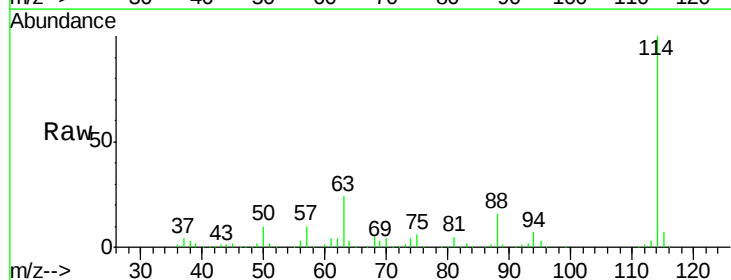
Instrument :
 MSVOA_N
 ClientSampleId :
 REACTOR-6E-(B-4)

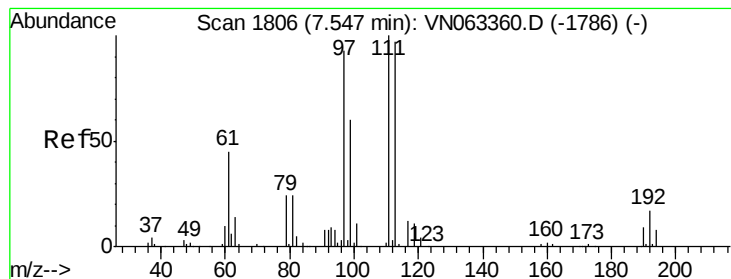
Tot Ion: 65 Resp: 191763
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063400.D
 Acq: 17 Sep 2020 6:15

Tgt Ion: 114 Resp: 428800
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.4
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.250 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-6E-(B-4)

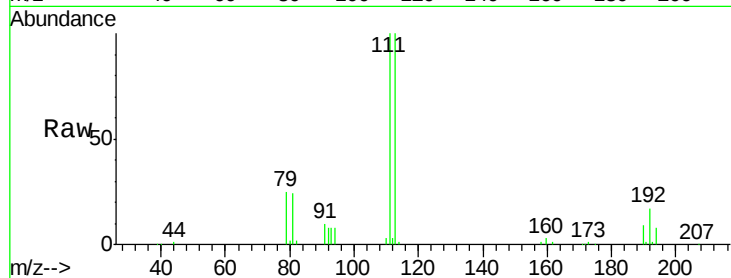
Tot Ion:113 Resp: 140261

Ion Ratio Lower Upper

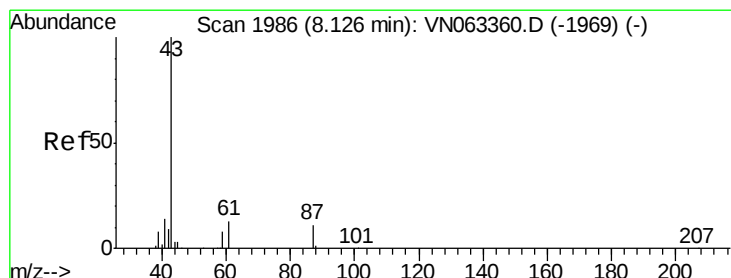
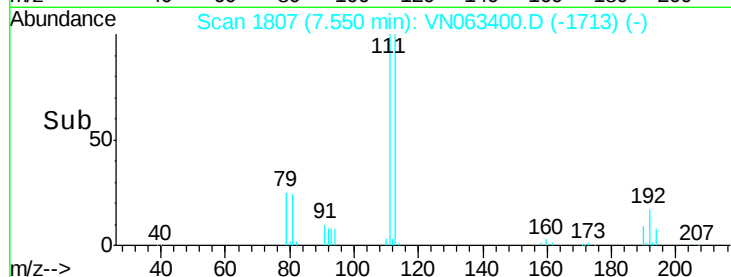
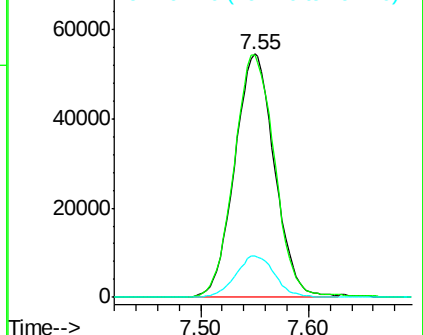
113 100

111 101.0 82.9 124.3

192 16.8 13.9 20.9



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: 11.116 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

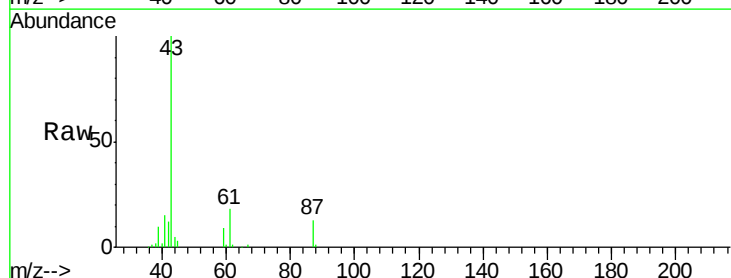
Tgt Ion: 43 Resp: 89120

Ion Ratio Lower Upper

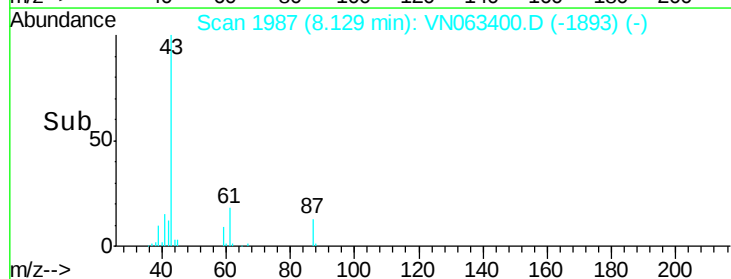
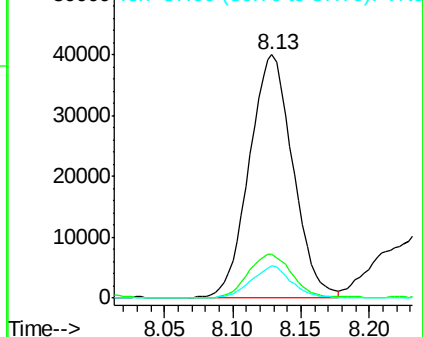
43 100

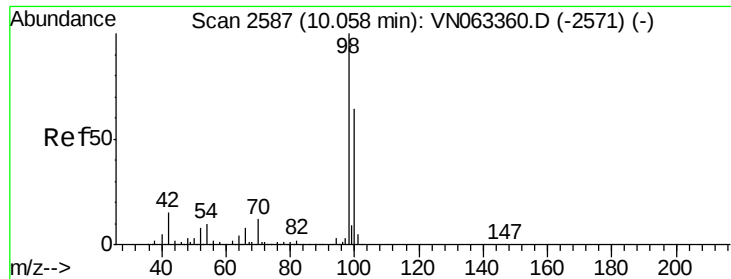
61 18.0 14.2 21.2

87 12.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.973 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

Instrument :

MSVOA_N

ClientSampleId :

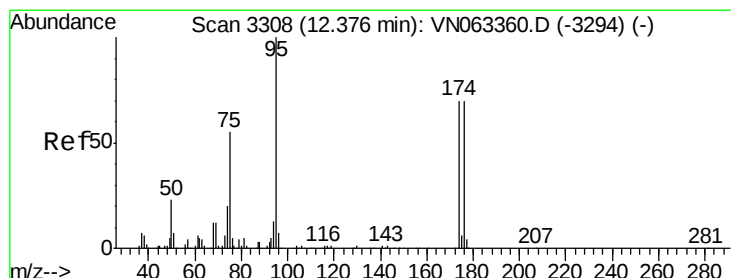
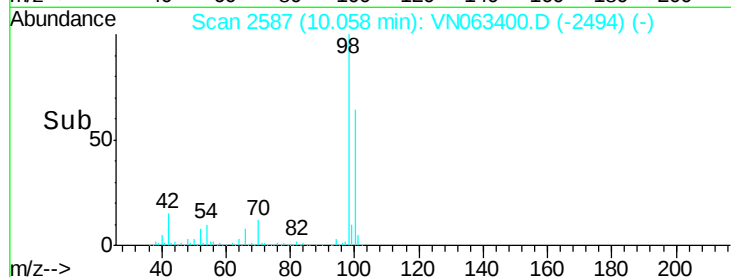
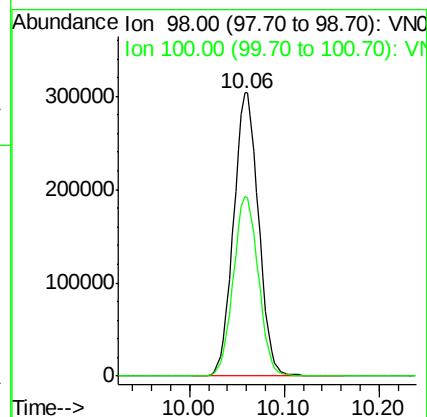
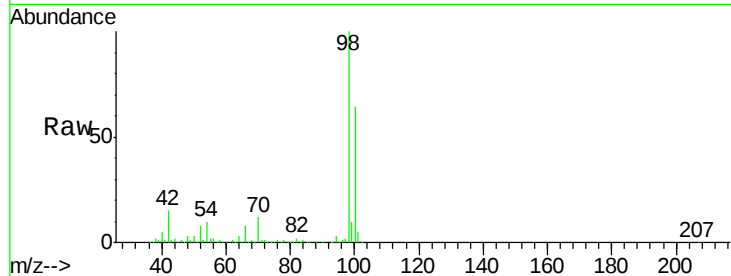
REACTOR-6E-(B-4)

Tot Ion: 98 Resp: 557803

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.052 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063400.D

Acq: 17 Sep 2020 6:15

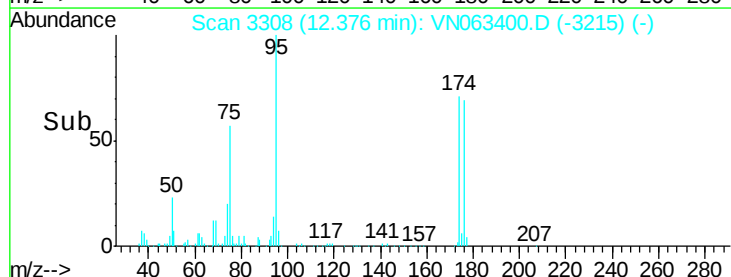
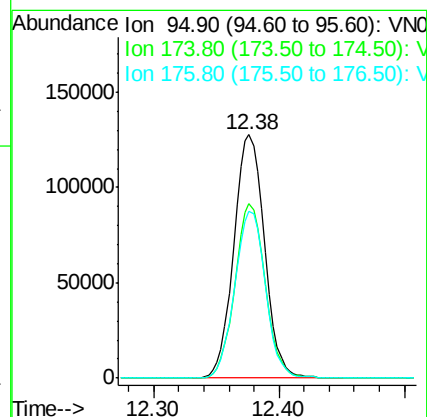
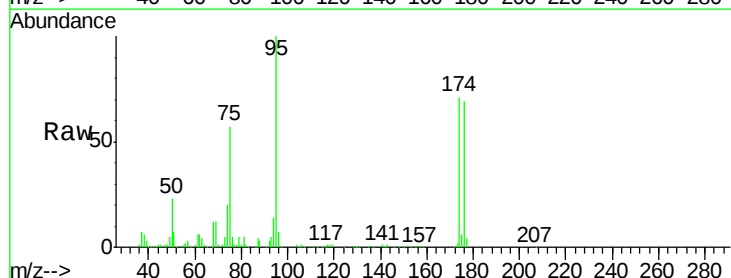
Tgt Ion: 95 Resp: 217079

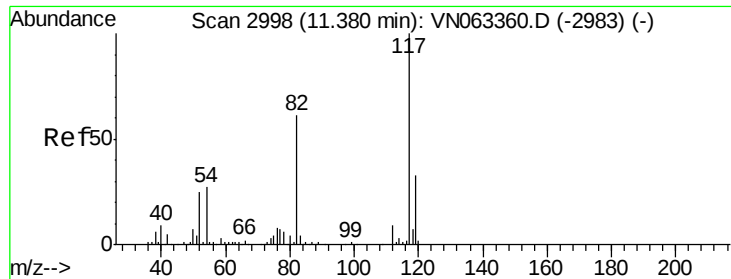
Ion Ratio Lower Upper

95 100

174 70.6 0.0 140.8

176 68.8 0.0 137.6

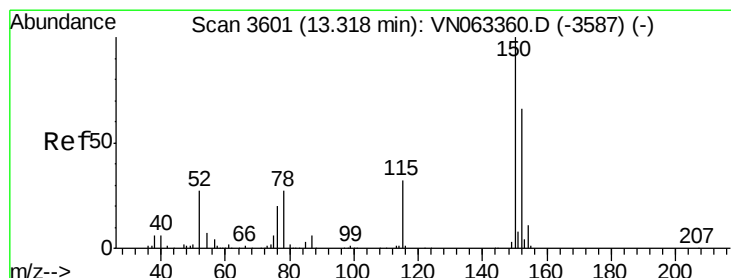
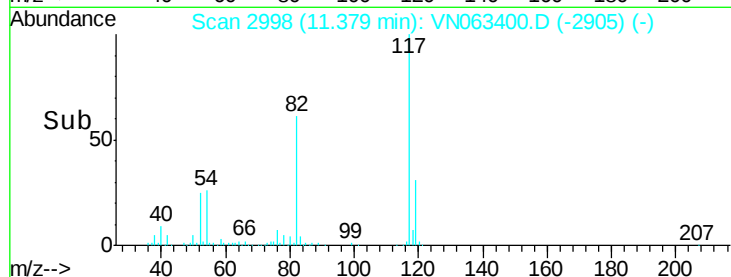
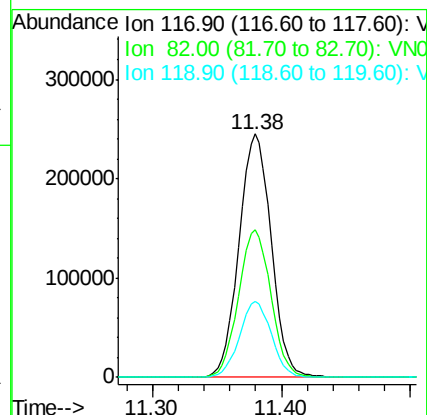
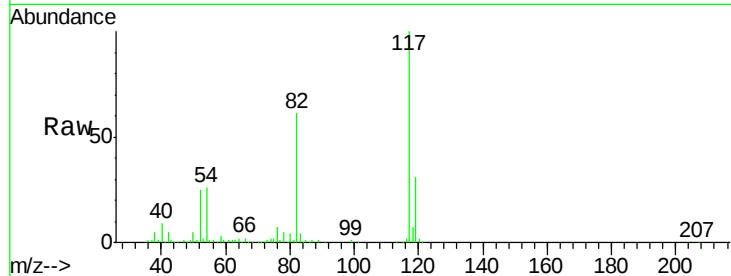




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063400.D
Acq: 17 Sep 2020 6:15

Instrument :
MSVOA_N
ClientSampleId :
REACTOR-6E-(B-4)

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	49.2	73.8
119	31.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063400.D
Acq: 17 Sep 2020 6:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	32.2	96.6
150	157.7	0.0	343.4

