

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062560.D
 Acq On : 20 Jul 2020 14:28
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 21 00:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	44651	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	237321	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	216483	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	118453	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	12.38	95	96093	26.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.93%
63) Toluene-d8	10.06	98	307035	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

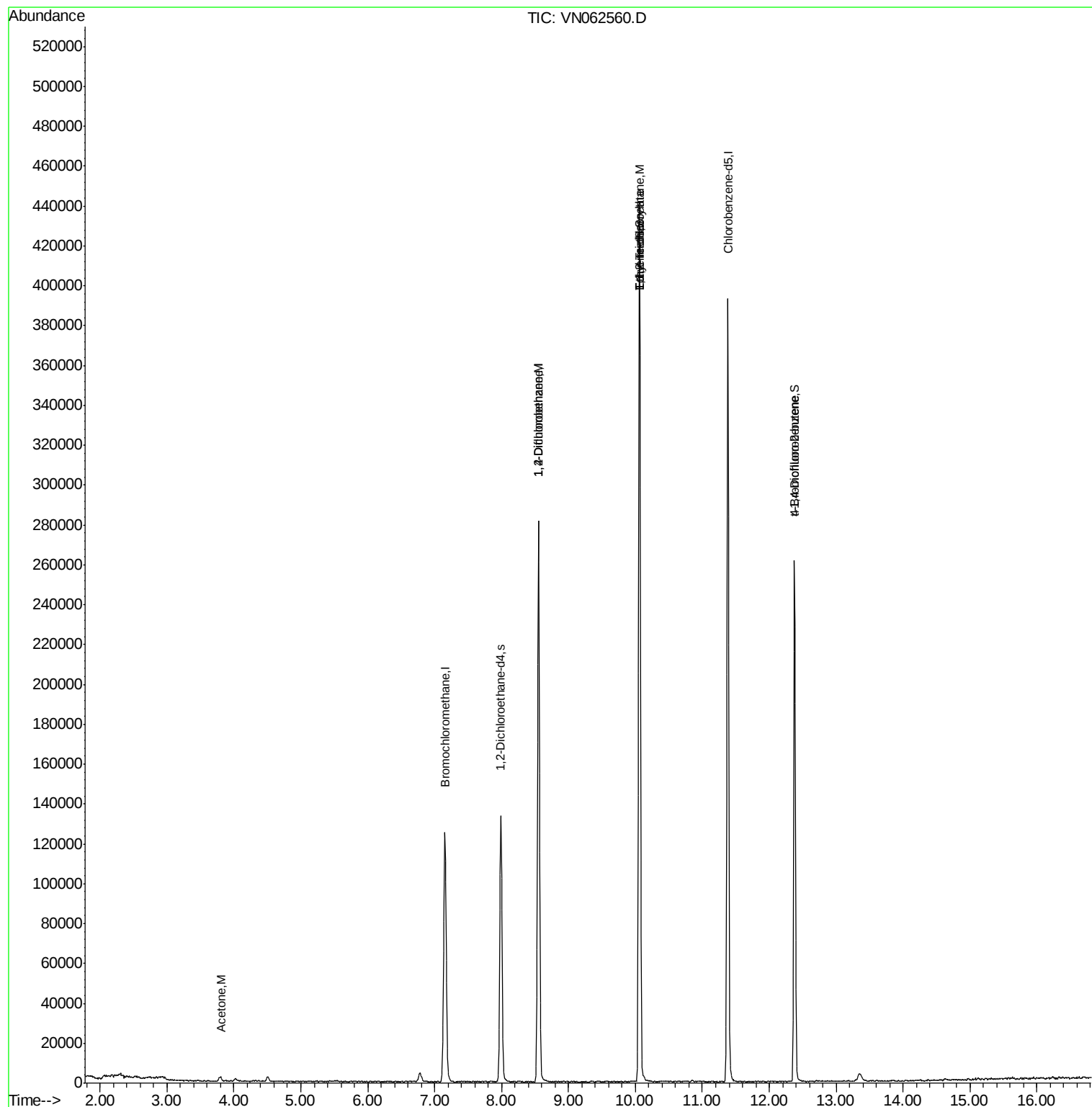
					Ovalue	
15) Acetone	3.80	58	1088	2.210	ug/l	# 21
36) 1,2-Dichloroethane	8.55	62	9001	2.094	ug/l	# 77
50) 1,1,2-Trichloroethane	10.07	97	11164	4.056	ug/l	# 1
51) Ethyl methacrylate	10.07	69	1041	0.225	ug/l	# 75
77) t-1,4-Dichloro-2-butene	12.38	75	50792	33.970	ug/l	# 11

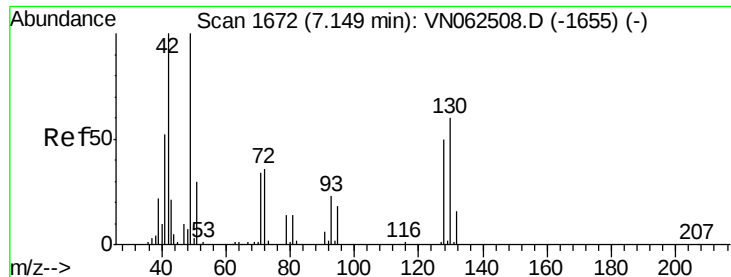
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062560.D

Acq: 20 Jul 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

IBLK

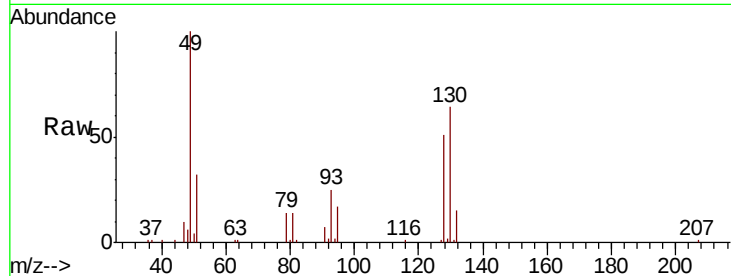
Tot Ion:128 Resp: 44651

Ion Ratio Lower Upper

128 100

49 208.3 0.0 525.0

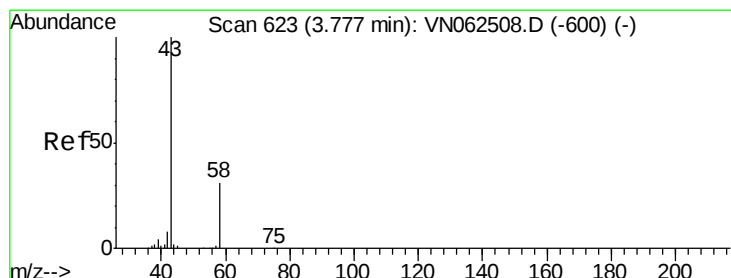
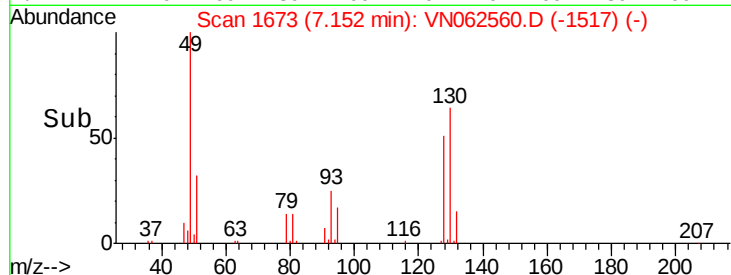
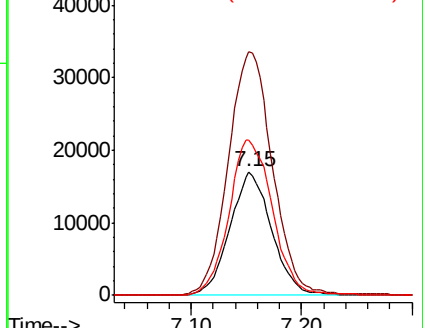
130 131.4 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 2.210 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN062560.D

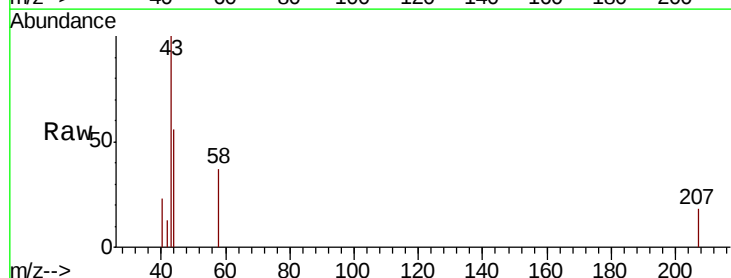
Acq: 20 Jul 2020 14:28

Tgt Ion: 58 Resp: 1088

Ion Ratio Lower Upper

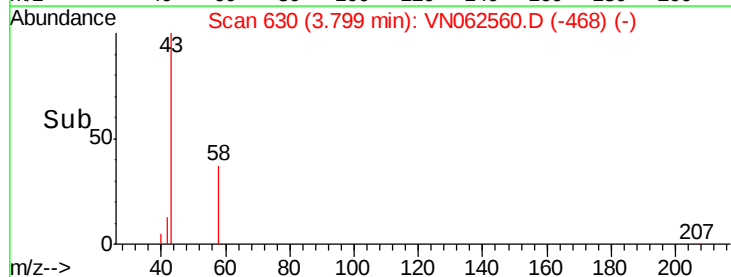
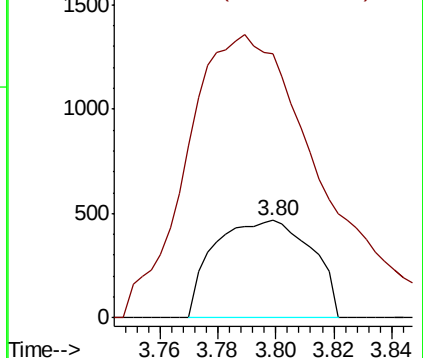
58 100

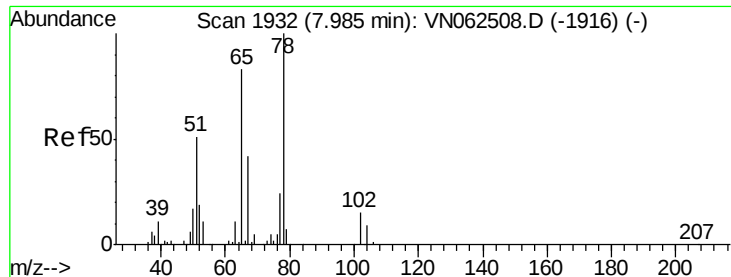
43 162.8 261.1 391.7#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.881 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062560.D

Acq: 20 Jul 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

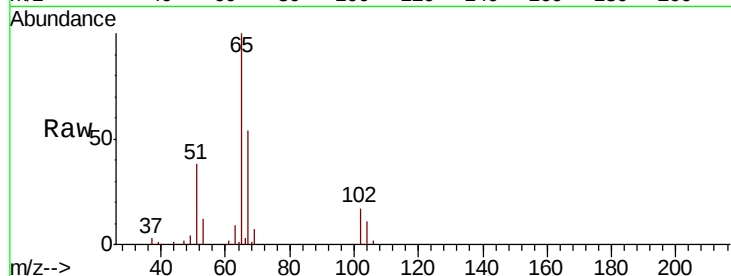
IBLK

Tot Ion: 65 Resp: 118453

Ion Ratio Lower Upper

65 100

67 52.3 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN062508.D (-1916) (-)

Ion 67.00 (66.70 to 67.70): VN062508.D (-1916) (-)

7.99

60000

50000

40000

30000

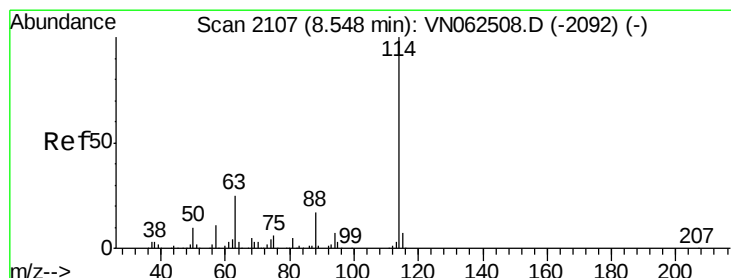
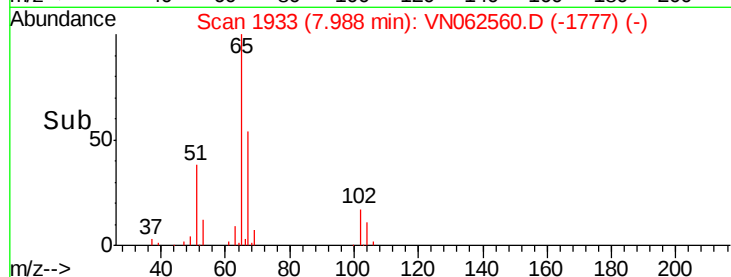
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062560.D

Acq: 20 Jul 2020 14:28

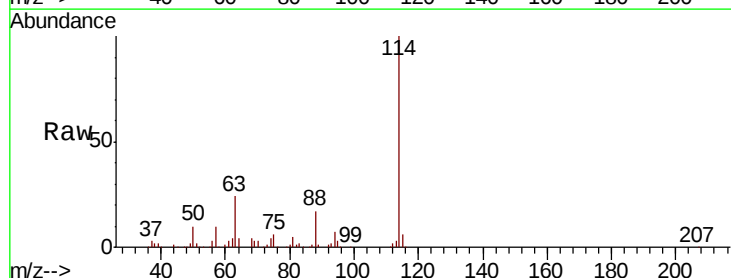
Tgt Ion: 114 Resp: 237321

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.0

88 17.3 13.5 20.3



Abundance Ion 114.00 (113.70 to 114.70): VN062508.D (-2092) (-)

Ion 63.00 (62.70 to 63.70): VN062508.D (-2092) (-)

Ion 88.00 (87.70 to 88.70): VN062508.D (-2092) (-)

150000

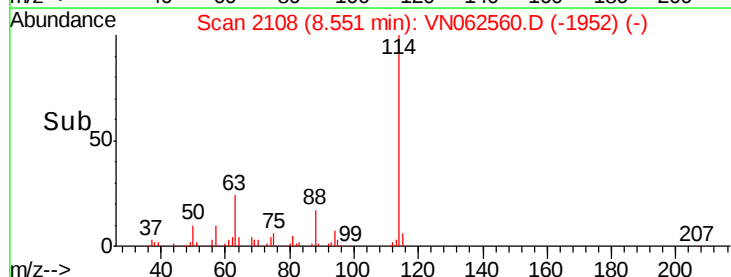
100000

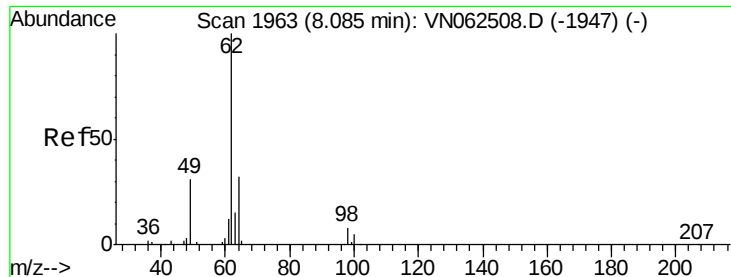
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->





#36

1,2-Dichloroethane

Concen: 2.094 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.47 min

Lab File: VN062560.D

Acq: 20 Jul 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

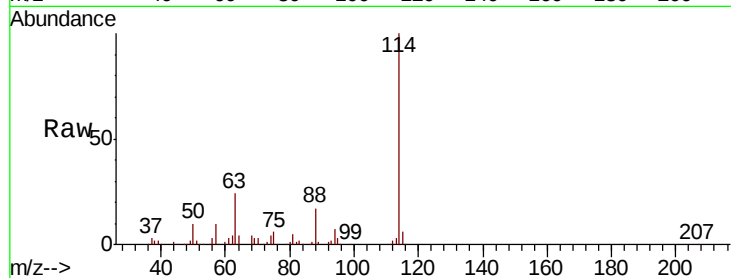
IBLK

Tot Ion: 62 Resp: 9001

Ion Ratio Lower Upper

62 100

98 0.0 6.6 9.8#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

8.55

4000

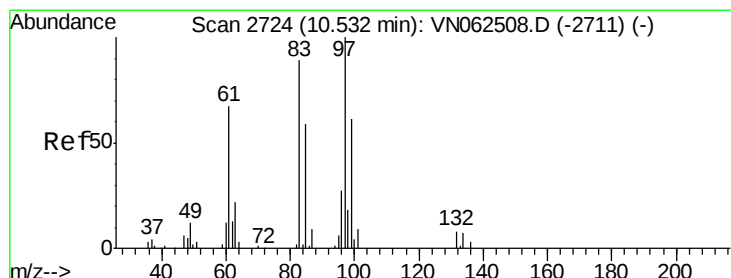
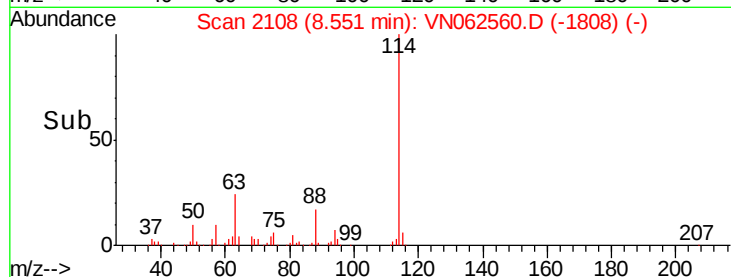
3000

2000

1000

0

Time-->



#50

1,1,2-Trichloroethane

Concen: 4.056 ug/l

RT: 10.07 min Scan# 2580

Delta R.T. -0.46 min

Lab File: VN062560.D

Acq: 20 Jul 2020 14:28

Tgt Ion: 97 Resp: 11164

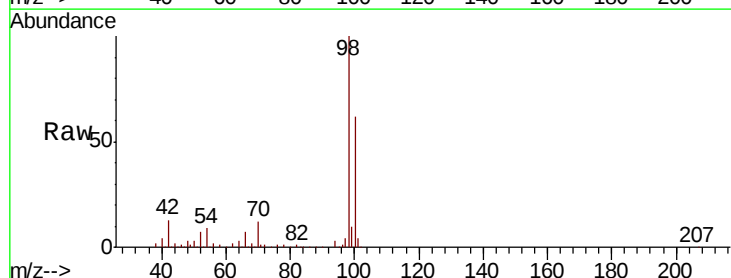
Ion Ratio Lower Upper

97 100

83 3.8 71.3 106.9#

85 0.0 47.2 70.8#

99 245.5 48.4 72.6#



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0

25000

20000

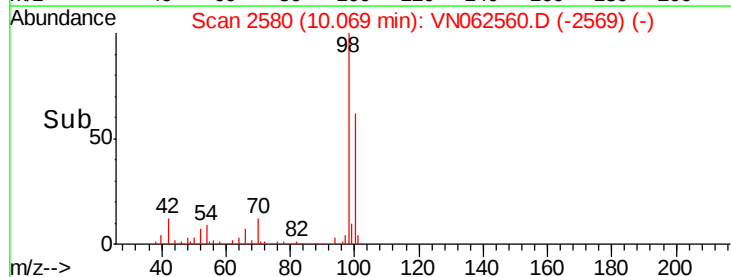
15000

10000

5000

0

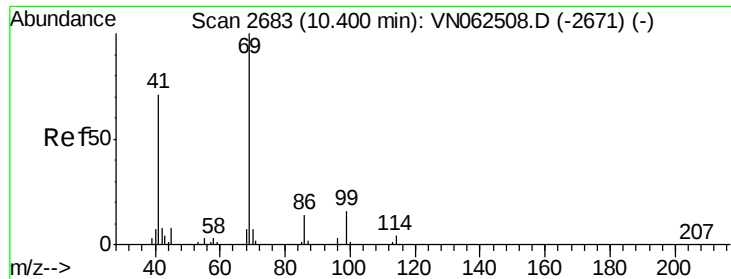
Time-->



10.07

10.05

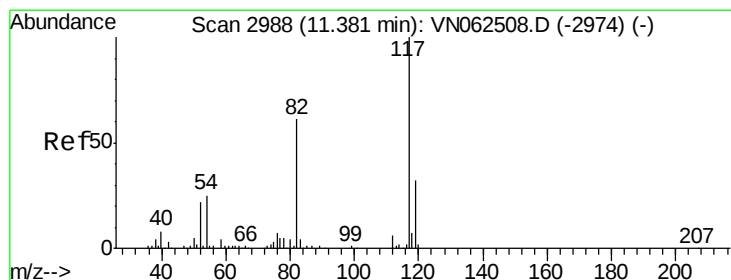
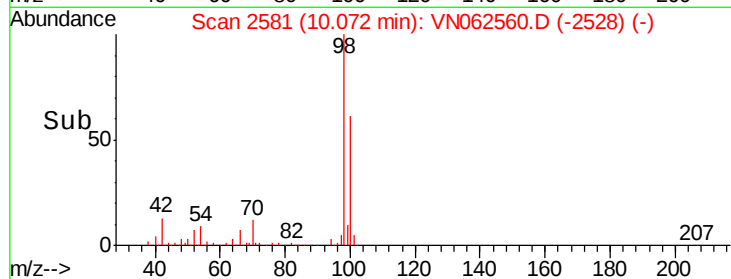
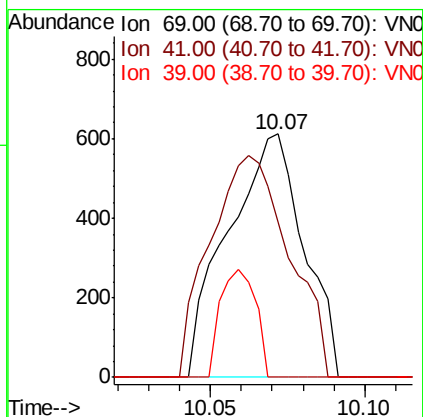
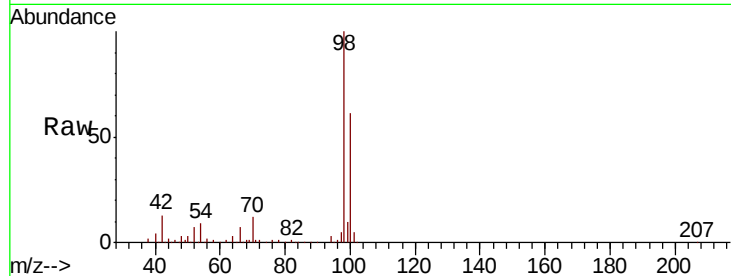
10.10



#51
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 10.07 min Scan# 2581
Delta R.T. -0.33 min
Lab File: VN062560.D
Acq: 20 Jul 2020 14:28

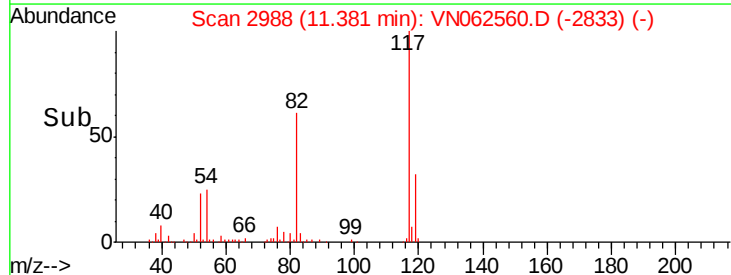
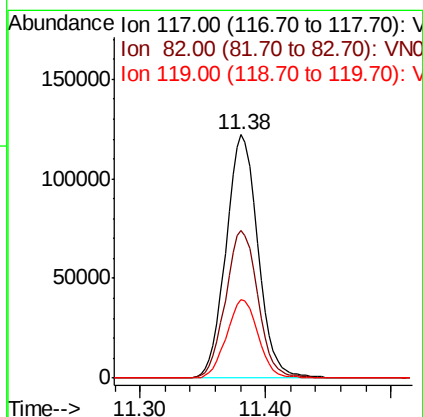
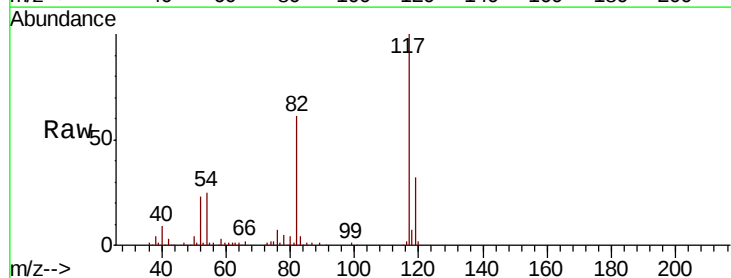
Instrument :
MSVOA_N
ClientSampled :
IBLK

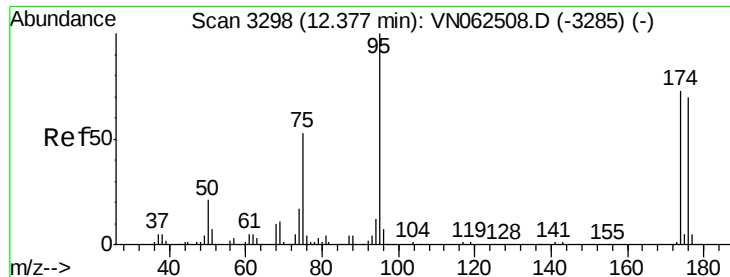
Tot Ion: 69 Resp: 1041
Ion Ratio Lower Upper
69 100
41 64.1 35.6 106.8
39 0.0 17.2 51.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062560.D
Acq: 20 Jul 2020 14:28

Tgt Ion: 117 Resp: 216483
Ion Ratio Lower Upper
117 100
82 61.5 49.0 73.6
119 31.9 25.6 38.4





#60

4-Bromofluorobenzene

Concen: 26.084 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062560.D

Acq: 20 Jul 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK

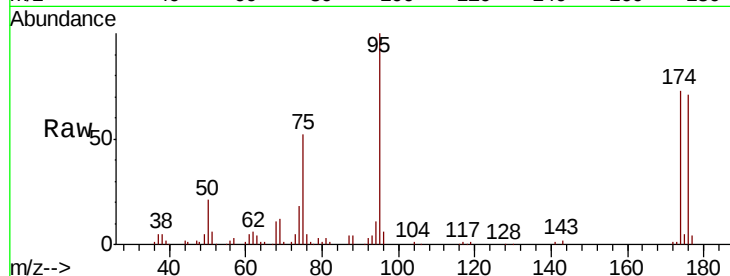
Tot Ion: 95 Resp: 96093

Ion Ratio Lower Upper

95 100

174 71.8 57.5 86.3

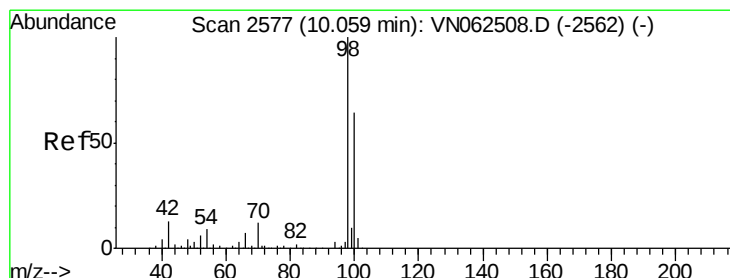
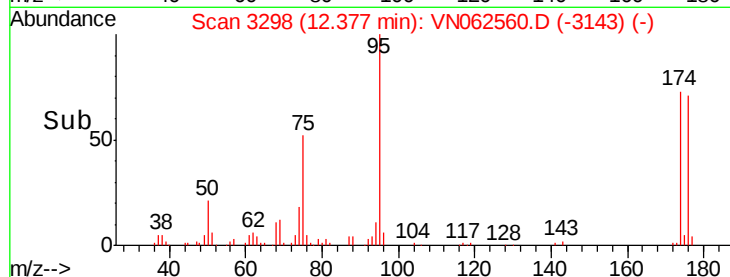
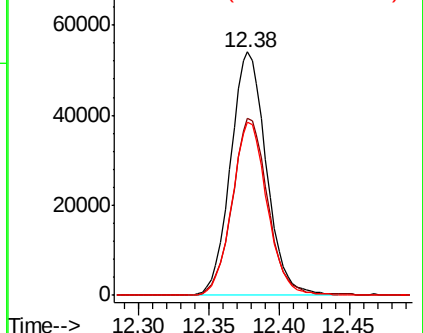
176 69.9 56.3 84.5



Abundance Ion 95.00 (94.70 to 95.70): VN062508.D (-3285) (-)

Ion 174.00 (173.70 to 174.70): VN062508.D (-3285) (-)

Ion 176.00 (175.70 to 176.70): VN062508.D (-3285) (-)



#63

Toluene-d8

Concen: 30.015 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062560.D

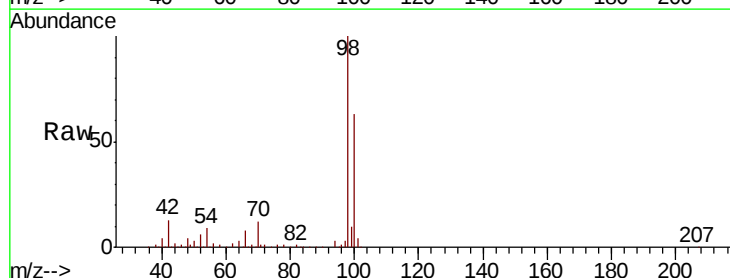
Acq: 20 Jul 2020 14:28

Tgt Ion: 98 Resp: 307035

Ion Ratio Lower Upper

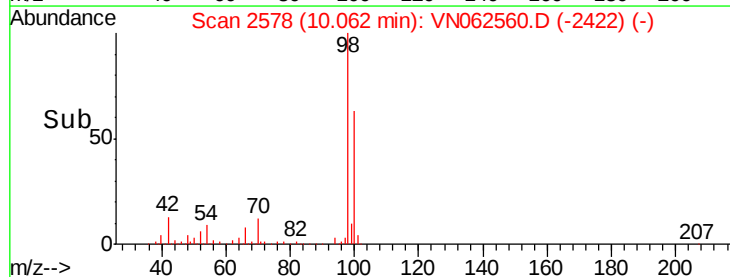
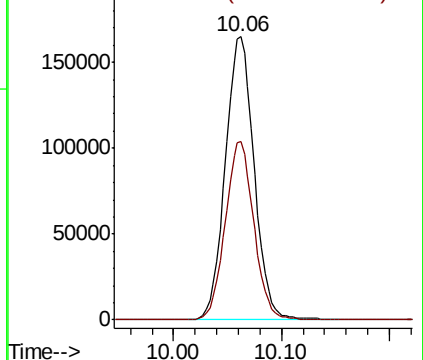
98 100

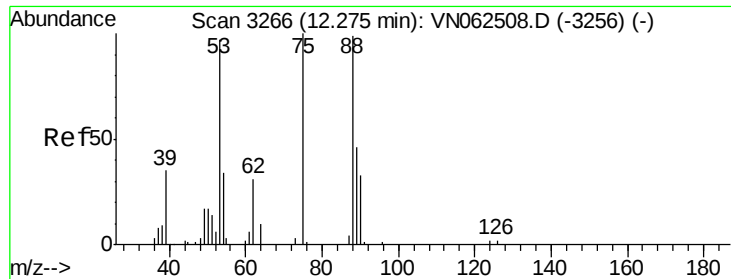
100 62.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN062508.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062508.D (-2562) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 33.970 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062560.D
Acq: 20 Jul 2020 14:28

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion: 75 Resp: 50792
Ion Ratio Lower Upper
75 100
53 0.0 48.3 144.8#
89 0.0 23.3 69.8#

