

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064037.D
 Acq On : 9 Oct 2020 14:51
 Operator : JC/MD
 Sample : L4301-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 10 01:29:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50838	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	254894	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	237553	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	133944	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	12.38	95	98006	24.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.40%
63) Toluene-d8	10.06	98	314402	29.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.33%

Target Compounds

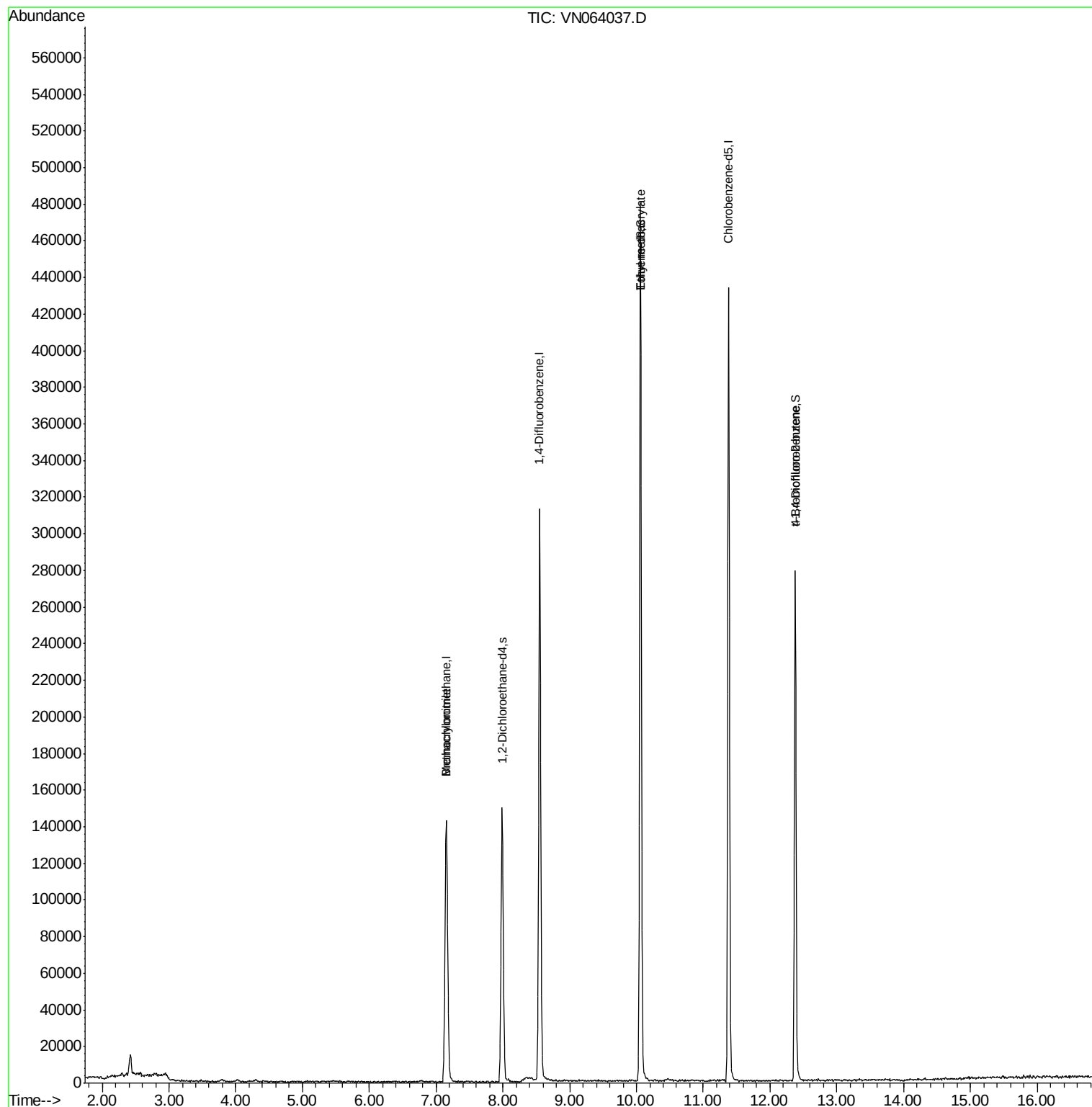
					Ovalue	
35) Methacrylonitrile	7.16	41	656	0.315	ug/l #	39
51) Ethyl methacrylate	10.07	69	1366	0.293	ug/l #	67
77) t-1,4-Dichloro-2-butene	12.38	75	53121	32.851	ug/l #	12

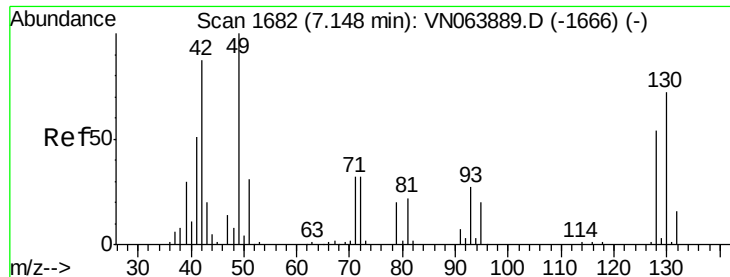
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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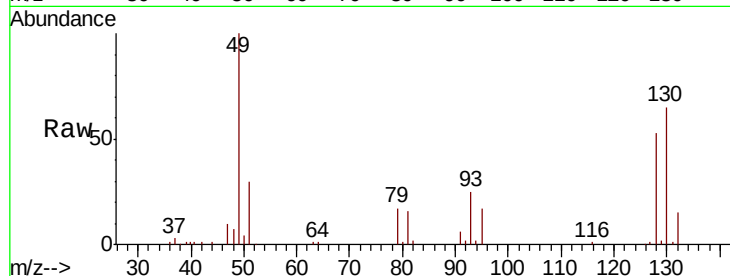




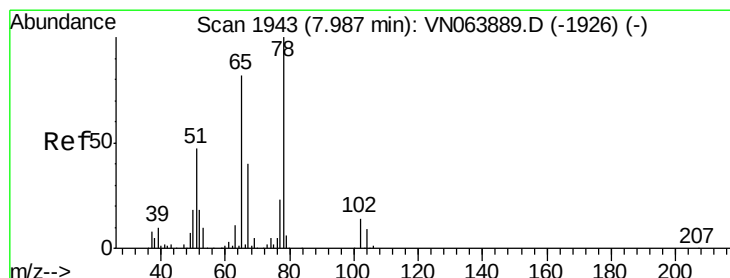
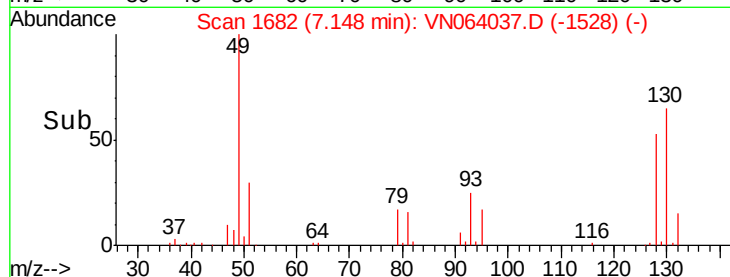
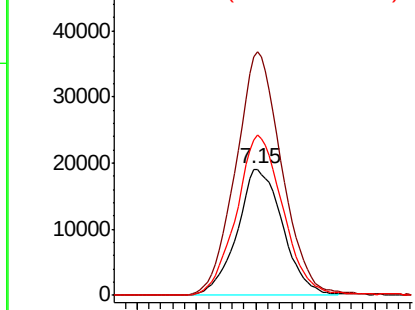
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064037.D
 Acq: 9 Oct 2020 14:51

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:128 Resp: 50838
 Ion Ratio Lower Upper
 128 100
 49 194.4 0.0 437.5
 130 128.3 0.0 327.3

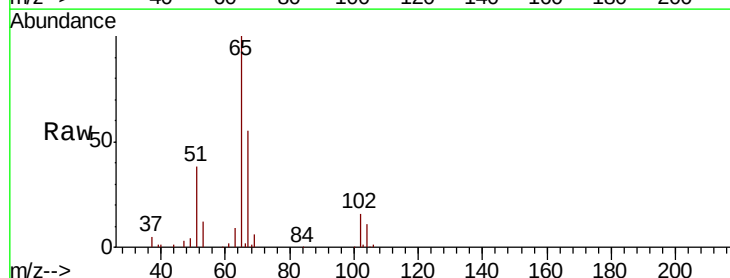


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

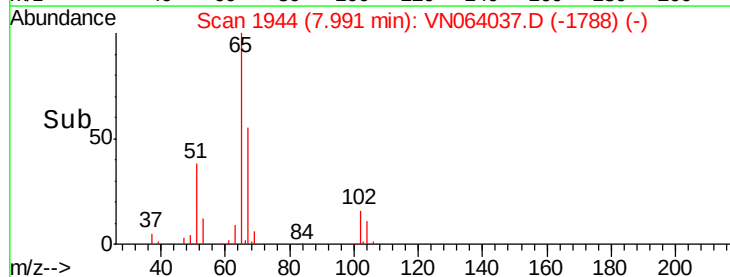
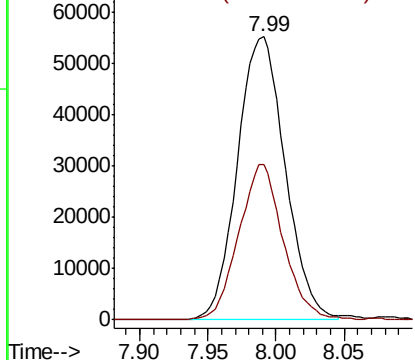


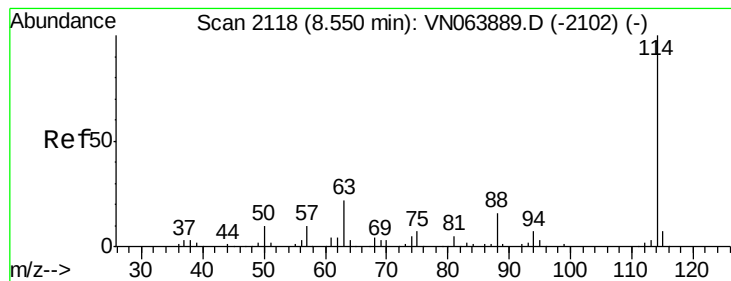
#27
 1,2-Dichloroethane-d4
 Concen: 29.337 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064037.D
 Acq: 9 Oct 2020 14:51

Tgt Ion: 65 Resp: 133944
 Ion Ratio Lower Upper
 65 100
 67 51.1 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN
 Ion 67.00 (66.70 to 67.70): VN





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064037.D

Acq: 9 Oct 2020 14:51

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

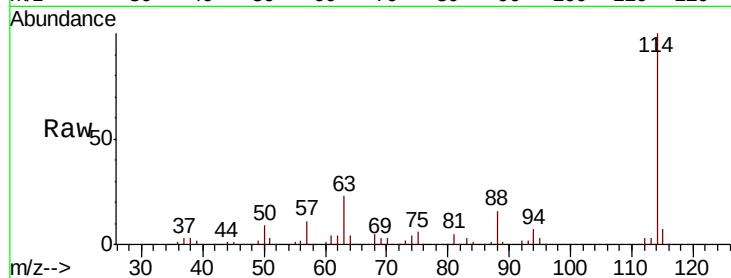
Tot Ion:114 Resp: 254894

Ion Ratio Lower Upper

114 100

63 23.5 17.0 25.6

88 16.4 12.6 18.8

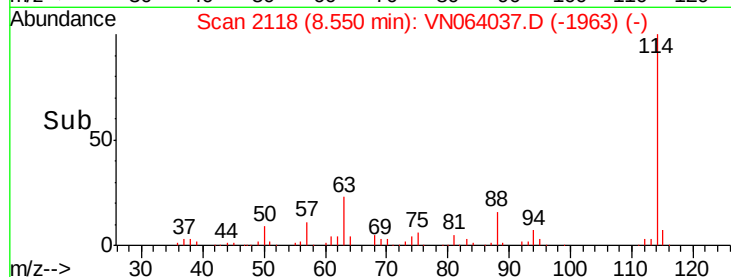


Abundance Ion 114.00 (113.70 to 114.70): VN063889.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN063889.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN063889.D (-2102) (-)

Time-->



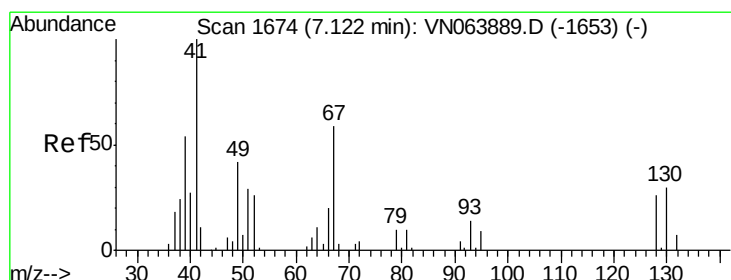
Abundance

Ion 114.00 (113.70 to 114.70): VN064037.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN064037.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN064037.D (-1963) (-)

Time-->



#35

Methacrylonitrile

Concen: 0.315 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.03 min

Lab File: VN064037.D

Acq: 9 Oct 2020 14:51

Tgt Ion: 41 Resp: 656

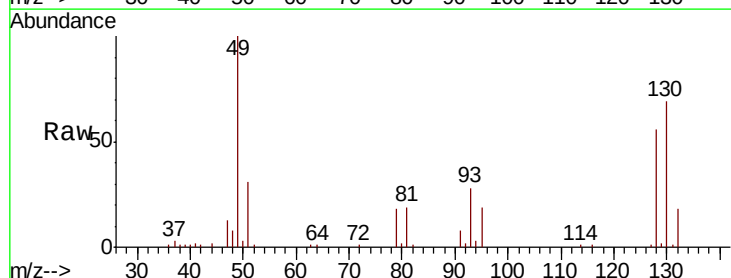
Ion Ratio Lower Upper

41 100

39 13.8 23.7 71.1#

67 0.0 31.6 94.7#

52 43.0 13.1 39.3#



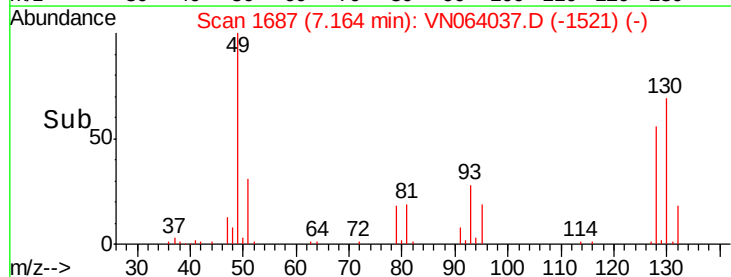
Abundance Ion 41.00 (40.70 to 41.70): VN063889.D (-1653) (-)

Ion 39.00 (38.70 to 39.70): VN063889.D (-1653) (-)

Ion 67.00 (66.70 to 67.70): VN063889.D (-1653) (-)

Ion 52.00 (51.70 to 52.70): VN063889.D (-1653) (-)

Time-->



Abundance

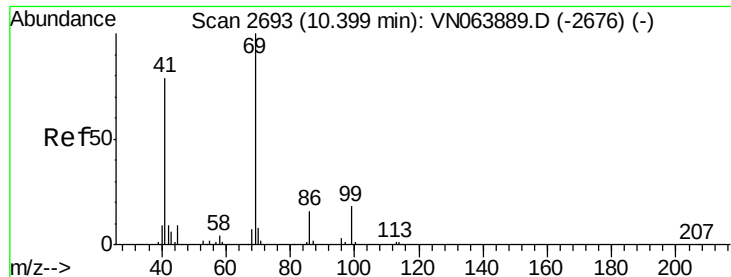
Ion 41.00 (40.70 to 41.70): VN064037.D (-1521) (-)

Ion 39.00 (38.70 to 39.70): VN064037.D (-1521) (-)

Ion 67.00 (66.70 to 67.70): VN064037.D (-1521) (-)

Ion 52.00 (51.70 to 52.70): VN064037.D (-1521) (-)

Time-->



#51

Ethyl methacrylate

Concen: 0.293 ug/l

RT: 10.07 min Scan# 2590

Delta R.T. -0.33 min

Lab File: VN064037.D

Acq: 9 Oct 2020 14:51

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

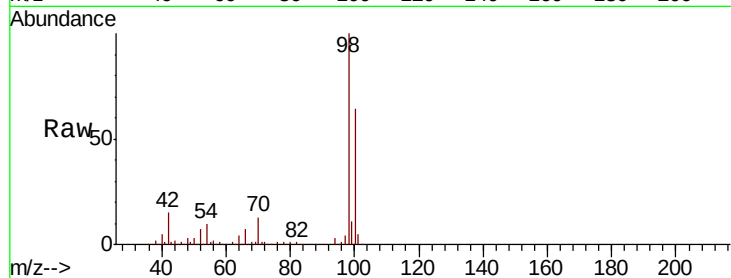
Tot Ion: 69 Resp: 1366

Ion Ratio Lower Upper

69 100

41 84.9 32.1 96.5

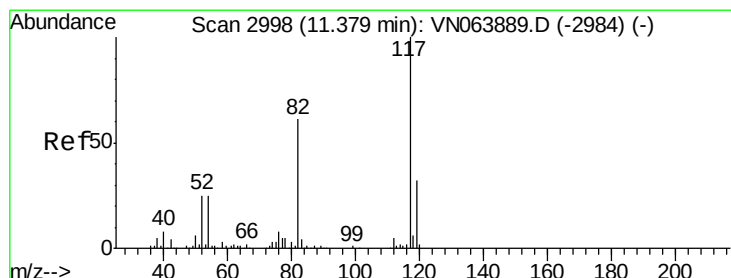
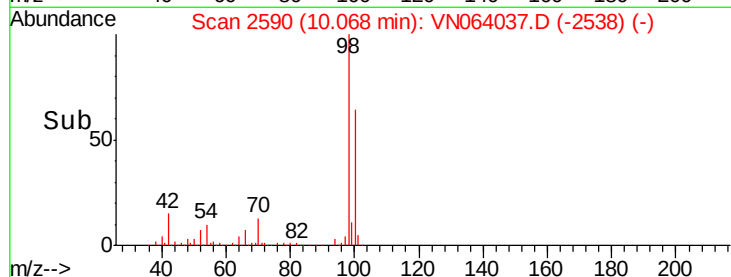
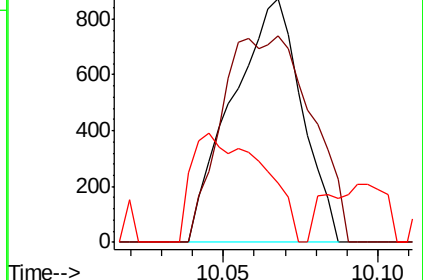
39 6.5 16.1 48.3#



Abundance Ion 69.00 (68.70 to 69.70): VN063889.D (-2676) (-)

Ion 41.00 (40.70 to 41.70): VN063889.D (-2676) (-)

Ion 39.00 (38.70 to 39.70): VN063889.D (-2676) (-)



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064037.D

Acq: 9 Oct 2020 14:51

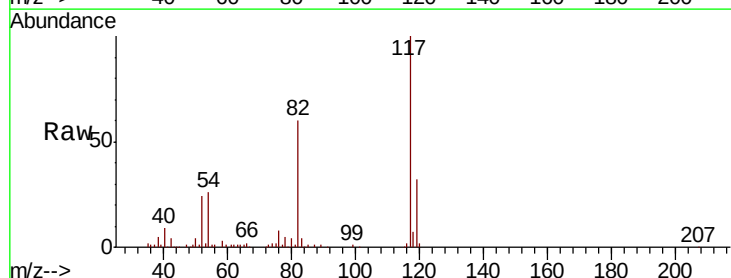
Tgt Ion: 117 Resp: 237553

Ion Ratio Lower Upper

117 100

82 58.6 44.9 67.3

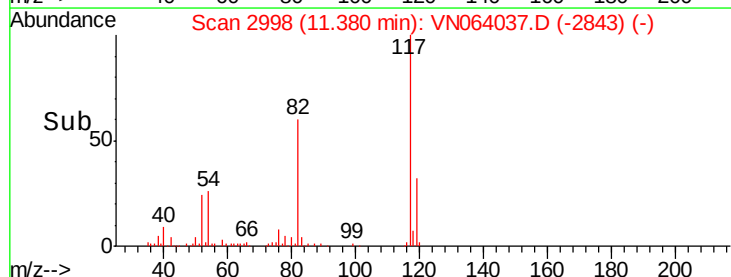
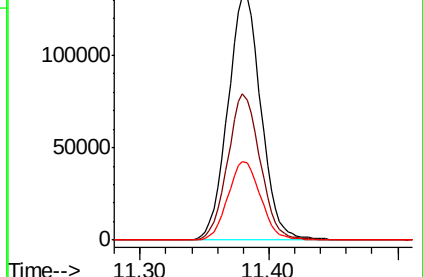
119 31.6 26.0 39.0

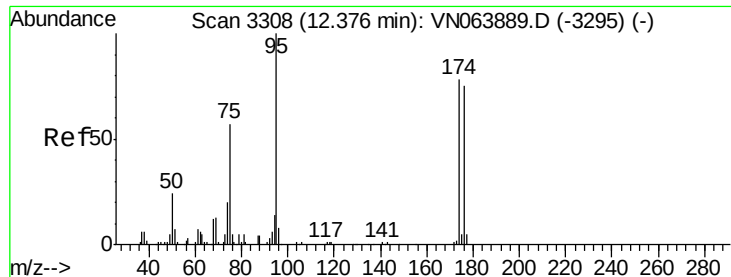


Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN063889.D (-2984) (-)

Ion 119.00 (118.70 to 119.70): VN063889.D (-2984) (-)

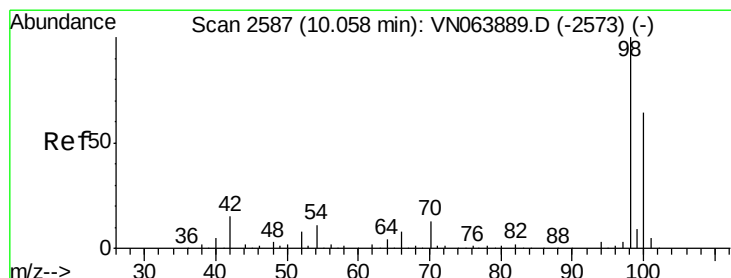
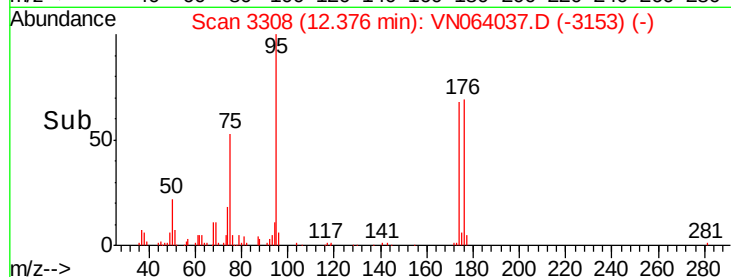
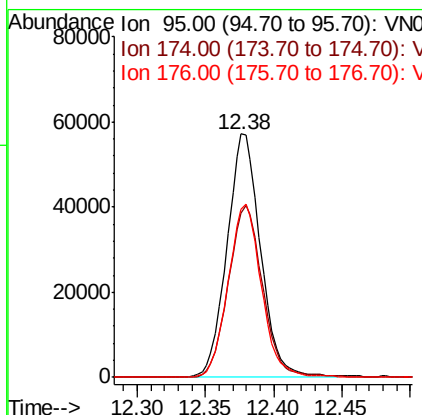
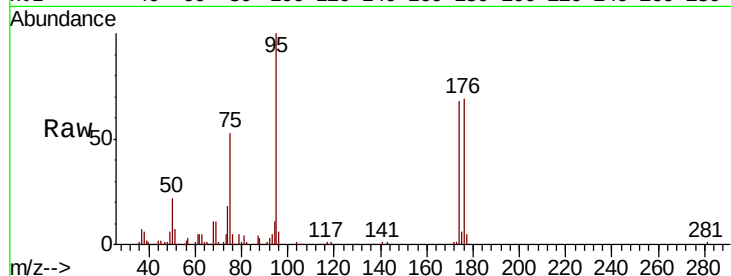




#60
4-Bromofluorobenzene
Concen: 24.125 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064037.D
Acq: 9 Oct 2020 14:51

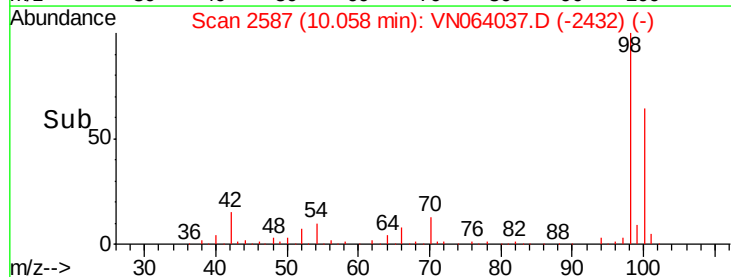
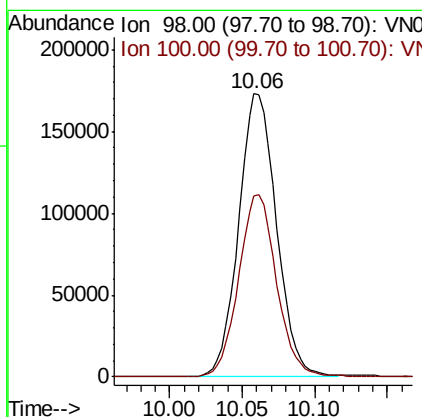
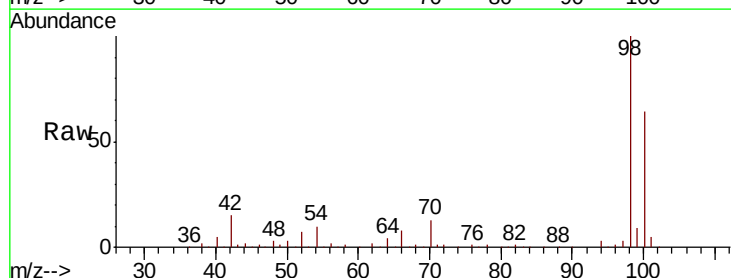
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

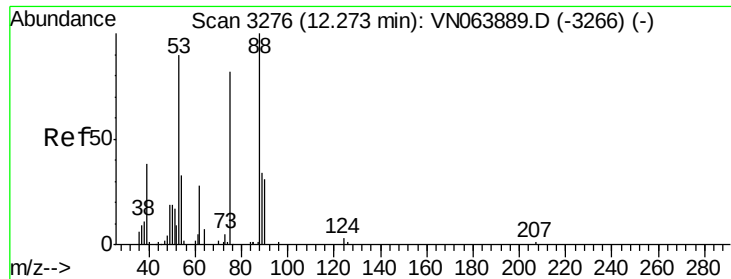
Tot Ion: 95 Resp: 98006
Ion Ratio Lower Upper
95 100
174 72.1 70.1 105.1
176 70.3 66.8 100.2



#63
Toluene-d8
Concen: 29.204 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064037.D
Acq: 9 Oct 2020 14:51

Tgt Ion: 98 Resp: 314402
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.851 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064037.D
 Acq: 9 Oct 2020 14:51

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion: 75 Resp: 53121
 Ion Ratio Lower Upper
 75 100
 53 0.0 47.0 141.0#
 89 0.0 22.9 68.7#

